APPENDIX 5.3 BIG-1

AIR QUALITY TECHNICAL REPORT

*PART 2

115	486533.18	3855943.15	4.13874	0.47408	3.23946	2.89508	1.272	1.625	1.291	0.47408	2.89E+01	8.76E-01	3.37E-04	1.02E-01	3.99E-01	1.53E-01	9.15E+00	3.22E+00	3.63E+01
116	486583.18	3855943.15	4.03317	0.47815	3.26686	2.93312	1.29	1.634	1.2917	0.47815	2.81E+01	8.83E-01	3.40E-04	1.03E-01	4.04E-01	1.54E-01	9.15E+00	3.25E+00	3.56E+01
117	486633.18	3855943.15	3.96736	0.47444	3.15209	2.80451	1.391	1.579	1.2579	0.47444	2.77E+01	8.76E-01	3.28E-04	9.87E-02	4.36E-01	1.48E-01	8.91E+00	3.23E+00	3.49E+01
118	486683.18	3855943.15	3.86443	0.47554	3.09611	2.78717	1.259	1.583	1.262	0.47554	2.69E+01	8.78E-01	3.22E-04	9.81E-02	3.94E-01	1.49E-01	8.94E+00	3.23E+00	3.42E+01
119	486733.18	3855943.15	3.7389	0.47316	2.95439	2.74246	1.15	1.552	1.2564	0.47316	2.61E+01	8.74E-01	3.08E-04	9.65E-02	3.60E-01	1.46E-01	8.90E+00	3.22E+00	3.32E+01
120	486783.18	3855943.15	3.61213	0.47844	2.93599	2.70202	1.239	1.54	1.2552	0.47844	2.52E+01	8.84E-01	3.06E-04	9.51E-02	3.88E-01	1.45E-01	8.89E+00	3.25E+00	3.23E+01
121	486533.18	3855993.15	4.20012	0.50458	3.22105	3.17963	1.328	1.747	1.3562	0.50458	2.93E+01	9.32E-01	3.35E-04	1.12E-01	4.16E-01	1.64E-01	9.61E+00	3.43E+00	3.71E+01
122	486583.18	3855993.15	4.13359	0.49512	3.18037	3.16342	1.359	1.74	1.3619	0.49512	2.88E+01	9.14E-01	3.31E-04	1.11E-01	4.26E-01	1.64E-01	9.65E+00	3.37E+00	3.67E+01
123	486633.18	3855993.15	4.04955	0.49372	3.11316	3.11305	1.407	1.681	1.3376	0.49372	2.82E+01	9.12E-01	3.24E-04	1.10E-01	4.41E-01	1.58E-01	9.48E+00	3.36E+00	3.60E+01
124	486683.18	3855993.15	3.95872	0.49448	3.04948	3.05301	1.476	1.645	1.3055	0.49448	2.76E+01	9.13E-01	3.17E-04	1.07E-01	4.63E-01	1.55E-01	9.25E+00	3.36E+00	3.51E+01
125	486733.18	3855993.15	3.85341	0.49261	2.97521	2.95247	1.433	1.631	1.2927	0.49261	2.69E+01	9.10E-01	3.10E-04	1.04E-01	4.49E-01	1.53E-01	9.16E+00	3.35E+00	3.43E+01
126	486783.18	3855993.15	3.71796	0.49328	2.91847	2.92078	1.264	1.622	1.2968	0.49328	2.59E+01	9.11E-01	3.04E-04	1.03E-01	3.96E-01	1.52E-01	9.19E+00	3.35E+00	3.33E+01
127	486533.18	3856043.15	4.26974	0.54137	3.07234	3.60401	1.423	1.9	1.4618	0.54137	2.98E+01	1.00E+00	3.20E-04	1.27E-01	4.46E-01	1.79E-01	1.04E+01	3.68E+00	3.82E+01
128	486583.18	3856043.15	4.18196	0.52648	2.99879	3.59725	1.445	1.847	1.4526	0.52648	2.92E+01	9.72E-01	3.12E-04	1.27E-01	4.53E-01	1.74E-01	1.03E+01	3.58E+00	3.76E+01
129	486633.18	3856043.15	4.13571	0.51388	2.90881	3.46358	1.481	1.801	1.4162	0.51388	2.88E+01	9.49E-01	3.03E-04	1.22E-01	4.64E-01	1.69E-01	1.00E+01	3.49E+00	3.71E+01
130	486683.18	3856043.15	4.0406	0.52064	2.80475	3.41607	1.536	1.797	1.4234	0.52064	2.82E+01	9.62E-01	2.92E-04	1.20E-01	4.81E-01	1.69E-01	1.01E+01	3.54E+00	3.64E+01
131	486733.18	3856043.15	3.96025	0.51801	2.79445	3.2949	1.576	1.764	1.3893	0.51801	2.76E+01	9.57E-01	2.91E-04	1.16E-01	4.94E-01	1.66E-01	9.84E+00	3.52E+00	3.57E+01
132	486783.18	3856043.15	3.81208	0.5168	2.72855	3.29768	1.522	1.766	1.389	0.5168	2.66E+01	9.54E-01	2.84E-04	1.16E-01	4.77E-01	1.66E-01	9.84E+00	3.51E+00	3.46E+01
133	486533.18	3856093.15	4.40279	0.57169	2.91214	4.37123	1.642	2.109	1.5898	0.57169	3.07E+01	1.06E+00	3.03E-04	1.54E-01	5.14E-01	1.98E-01	1.13E+01	3.89E+00	4.00E+01
134	486583.18	3856093.15	4.26438	0.56772	2.84789	4.23297	1.577	2.061	1.5861	0.56772	2.97E+01	1.05E+00	2.96E-04	1.49E-01	4.94E-01	1.94E-01	1.12E+01	3.86E+00	3.90E+01
135	486633.18	3856093.15	4.18094	0.5482	2.74555	4.09797	1.567	1.995	1.5526	0.5482	2.91E+01	1.01E+00	2.86E-04	1.44E-01	4.91E-01	1.88E-01	1.10E+01	3.73E+00	3.83E+01
136	486683.18	3856093.15	4.11558	0.54508	2.71286	3.94861	1.639	1.973	1.5353	0.54508	2.87E+01	1.01E+00	2.82E-04	1.39E-01	5.13E-01	1.85E-01	1.09E+01	3.71E+00	3.77E+01
137	486733.18	3856093.15	4.04438	0.54217	2.65267	3.73374	1.704	1.942	1.4771	0.54217	2.82E+01	1.00E+00	2.76E-04	1.31E-01	5.34E-01	1.83E-01	1.05E+01	3.69E+00	3.68E+01
138	486783.18	3856093.15	3.92723	0.54651	2.59851	3.56422	1.69	1.936	1.4654	0.54651	2.74E+01	1.01E+00	2.71E-04	1.25E-01	5.30E-01	1.82E-01	1.04E+01	3.72E+00	3.59E+01
139	486533.18	3856143.15	4.52457	0.59212	2.86394	5.12952	1.752	2.414	1.7277	0.59212	3.15E+01	1.09E+00	2.98E-04	1.81E-01	5.49E-01	2.27E-01	1.22E+01	4.03E+00	4.18E+01
140	486583.18	3856143.15	4.42617	0.5869	2.77905	4.86405	1.836	2.351	1.6856	0.5869	3.09E+01	1.08E+00	2.89E-04	1.71E-01	5.75E-01	2.21E-01	1.19E+01	3.99E+00	4.09E+01
141	486633.18	3856143.15	4.29799	0.58991	2.72362	4.65685	1.765	2.305	1.6719	0.58991	3.00E+01	1.09E+00	2.84E-04	1.64E-01	5.53E-01	2.17E-01	1.18E+01	4.01E+00	3.98E+01
142	486683.18	3856143.15	4.17663	0.5726	2.63409	4.38303	1.747	2.229	1.6373	0.5726	2.91E+01	1.06E+00	2.74E-04	1.54E-01	5.48E-01	2.10E-01	1.16E+01	3.89E+00	3.88E+01
143	486733.18	3856143.15	4.10969	0.56831	2.57418	4.12605	1.777	2.161	1.6017	0.56831	2.87E+01	1.05E+00	2.68E-04	1.45E-01	5.57E-01	2.03E-01	1.13E+01	3.86E+00	3.81E+01
144	486783.18	3856143.15	4.02489	0.57676	2.54769	3.89126	1.921	2.11	1.6329	0.57676	2.81E+01	1.07E+00	2.65E-04	1.37E-01	6.02E-01	1.98E-01	1.16E+01	3.92E+00	3.77E+01
145	486533.18	3856193.15	4.63778	0.63226	2.84912	5.98893	2.002	2.785	1.9294	0.63226	3.23E+01	1.17E+00	2.97E-04	2.11E-01	6.27E-01	2.62E-01	1.37E+01	4.30E+00	4.40E+01
146	486583.18	3856193.15	4.55371	0.61086	2.75604	5.52936	1.927	2.603	1.8495	0.61086	3.17E+01	1.13E+00	2.87E-04	1.95E-01	6.04E-01	2.45E-01	1.31E+01	4.15E+00	4.29E+01
147	486633.18	3856193.15	4.43117	0.61336	2.68393	5.19726	2.016	2.515	1.8364	0.61336	3.09E+01	1.13E+00	2.79E-04	1.83E-01	6.32E-01	2.36E-01	1.30E+01	4.17E+00	4.19E+01
148	486683.18	3856193.15	4.30999	0.61646	2.60355	4.92256	1.965	2.431	1.8394	0.61646	3.00E+01	1.14E+00	2.71E-04	1.73E-01	6.16E-01	2.29E-01	1.30E+01	4.19E+00	4.10E+01
149	486733.18	3856193.15	4.17849	0.59733	2.50122	4.59442	1.959	2.334	1.7802	0.59733	2.91E+01	1.10E+00	2.60E-04	1.62E-01	6.14E-01	2.19E-01	1.26E+01	4.06E+00	3.98E+01
150	486783.18	3856193.15	4.07942	0.60504	2.44387	4.31831	1.963	2.247	1.749	0.60504	2.84E+01	1.12E+00	2.54E-04	1.52E-01	6.15E-01	2.11E-01	1.24E+01	4.11E+00	3.88E+01
151	486533.18	3856243.15	4.75674	0.64772	2.67423	6.89254	2.118	3.07	2.1909	0.64772	3.32E+01	1.20E+00	2.78E-04	2.43E-01	6.64E-01	2.89E-01	1.55E+01	4.40E+00	4.67E+01
152	486583.18	3856243.15	4.64265	0.64177	2.58764	6.27576	2.212	2.894	2.0921	0.64177	3.24E+01	1.19E+00	2.69E-04	2.21E-01	6.93E-01	2.72E-01	1.48E+01	4.36E+00	4.52E+01
153	486633.18	3856243.15	4.53505	0.63073	2.50401	5.79118	2.176	2.742	2.0193	0.63073	3.16E+01	1.16E+00	2.61E-04	2.04E-01	6.82E-01	2.58E-01	1.43E+01	4.29E+00	4.39E+01
154	486683.18	3856243.15	4.4161	0.63098	2.45275	5.39924	2.224	2.634	1.9546	0.63098	3.08E+01	1.17E+00	2.55E-04	1.90E-01	6.97E-01	2.48E-01	1.38E+01	4.29E+00	4.26E+01
155	486733.18	3856243.15	4.29249	0.63432	2.41149	5.10035	2.133	2.544	1.905	0.63432	2.99E+01	1.17E+00	2.51E-04	1.80E-01	6.68E-01	2.39E-01	1.35E+01	4.31E+00	4.14E+01
156	486783.18	3856243.15	4.18194	0.62243	2.38243	4.77084	2.144	2.453	1.8321	0.62243	2.92E+01	1.15E+00	2.48E-04	1.68E-01	6.72E-01	2.31E-01	1.30E+01	4.23E+00	4.01E+01
157	486533.18	3856293.15	4.85386	0.6569	2.76334	8.06951	2.472	3.382	2.4416	0.6569	3.38E+01	1.21E+00	2.88E-04	2.84E-01	7.75E-01	3.18E-01	1.73E+01	4.47E+00	4.93E+01
158	486583.18	3856293.15	4.73522	0.65644	2.719	7.18035	2.483	3.166	2.2706	0.65644	3.30E+01	1.21E+00	2.83E-04	2.53E-01	7.78E-01	2.98E-01	1.61E+01	4.46E+00	4.72E+01
159	486633.18	3856293.15	4.61939	0.65304	2.67256	6.50211	2.449	2.996	2.1602	0.65304	3.22E+01	1.21E+00	2.78E-04	2.29E-01	7.67E-01	2.82E-01	1.53E+01	4.44E+00	4.56E+01
160	486683.18	3856293.15	4.50568	0.64698	2.60945	5.95414	2.547	2.847	2.0879	0.64698	3.14E+01	1.19E+00	2.72E-04	2.10E-01	7.98E-01	2.68E-01	1.48E+01	4.40E+00	4.43E+01
161	486733.18	3856293.15	4.38388	0.6485	2.53786	5.50564	2.523	2.736	2.0436	0.6485	3.06E+01	1.20E+00	2.64E-04	1.94E-01	7.90E-01	2.57E-01	1.45E+01	4.41E+00	4.31E+01
162	486783.18	3856293.15	4.27001	0.65046	2.44841	5.16316	2.406	2.617	1.983	0.65046	2.98E+01	1.20E+00	2.55E-04	1.82E-01	7.54E-01	2.46E-01	1.40E+01	4.42E+00	4.18E+01
163	486783.18	3856343.15	4.34872	0.66813	2.50945	5.62685	2.92	2.783	2.1557	0.66813	3.03E+01	1.23E+00	2.61E-04	1.98E-01	9.15E-01	2.62E-01	1.53E+01	4.54E+00	4.37E+01
164	486833.18	3856343.15	4.23699	0.67632	2.46877	5.20203	2.734	2.662	2.0696	0.67632	2.95E+01	1.25E+00	2.57E-04	1.83E-01	8.56E-01	2.50E-01	1.47E+01	4.60E+00	4.21E+01
165	486883.18	3856343.15	4.12242	0.67461	2.48529	4.88675	2.683	2.542	1.9862	0.67461	2.87E+01	1.25E+00	2.59E-04	1.72E-01	8.41E-01	2.39E-01	1.41E+01	4.59E+00	4.07E+01
166	486783.18	3856393.15	4.42497	0.68184	2.26429	6.19649	3.352	2.96	2.3072	0.68184	3.08E+01	1.26E+00	2.36E-04	2.18E-01	1.05E+00	2.78E-01	1.63E+01	4.64E+00	4.54E+01
167	486833.18	3856393.15	4.31116	0.69085	2.24951	5.68145	3.293	2.821	2.217	0.69085	3.01E+01	1.28E+00	2.34E-04	2.00E-01	1.03E+00	2.65E-01	1.57E+01	4.70E+00	4.38E+01
168	486883.18	3856393.15	4.21191	0.69278	2.42723	5.25053	3.129	2.694	2.1076	0.69278	2.94E+01	1.28E+00	2.53E-04	1.85E-01	9.80E-01	2.53E-01	1.49E+01	4.71E+00	4.23E+01
169	487208.74	3856886.11	4.14327	0.86171	1.93008	7.55249	33.35	3.629	2.4417	0.86171	2.89E+01	1.59E+00	2.01E-04	2.66E-01	1.05E+01	3.41E-01	1.73E+01	5.86E+00	5.30E+01
170	487258.74	3856886.11	4.01517	0.85914	1.94577	6.70402	32.63	3.437	2.3344	0.85914	2.80E+01	1.59E+00	2.03E-04	2.36E-01	1.02E+01	3.23E-01	1.65E+01	5.84E+00	5.11E+01
171	487308.74	3856886.11	3.88773	0.84576	1.85397	6.04229	32.24	3.273	2.2292	0.84576	2.71E+01	1.56E+00	1.93E-04	2.13E-01	1.01E+01	3.08E-01	1.58E+01	5.75E+00	4.93E+01
172	487358.74	3856886.11	3.78419	0.83195	1.77202	5.54921	36.5	3.114	2.137	0.83195	2.64E+01	1.54E+00	1.84E-04	1.95E-01	1.14E+01	2.93E-01	1.51E+01	5.66E+00	4.93E+01
173	487208.74	3856936.11	4.27233	0.88889	1.81482	8.81587	39.57	3.935	2.589	0.88889	2.98E+01	1.64E+00	1.89E-04	3.10E-01	1.24E+01	3.70E-01	1.83E+01	6.04E+00	5.68E+01

174	487258.74	3856936.11	4.14129	0.88141	1.75576	7.65275	41.44	3.7	2.4596	0.88141	2.89E+01	1.63E+00	1.83E-04	2.69E-01	1.30E+01	3.48E-01	1.74E+01	5.99E+00	5.55E+01
175	487308.74	3856936.11	4.01323	0.87607	1.79472	6.76636	39.66	3.48	2.3454	0.87607	2.80E+01	1.62E+00	1.87E-04	2.38E-01	1.24E+01	3.27E-01	1.66E+01	5.96E+00	5.33E+01
176	487358.74	3856936.11	3.88652	0.86814	1.7798	6.08148	38.34	3.315	2.2447	0.86814	2.71E+01	1.60E+00	1.85E-04	2.14E-01	1.20E+01	3.12E-01	1.59E+01	5.90E+00	5.12E+01
177	487208.74	3856986.11	4.43045	0.91591	1.73481	10.48567	43.14	4.307	2.8161	0.91591	3.09E+01	1.69E+00	1.81E-04	3.69E-01	1.35E+01	4.05E-01	2.00E+01	6.23E+00	6.06E+01
178	487258.74	3856986.11	4.28166	0.91502	1.72304	8.85401	41.9	3.986	2.5996	0.91502	2.99E+01	1.69E+00	1.79E-04	3.12E-01	1.31E+01	3.75E-01	1.84E+01	6.22E+00	5.76E+01
179	487308.74	3856986.11	4.14955	0.91005	1.68136	7.73331	42.1	3.74	2.4695	0.91005	2.89E+01	1.68E+00	1.75E-04	2.72E-01	1.32E+01	3.52E-01	1.75E+01	6.19E+00	5.57E+01
180	487358.74	3856986.11	4.02238	0.90981	1.63987	6.80919	41.74	3.511	2.3513	0.90981	2.80E+01	1.68E+00	1.71E-04	2.40E-01	1.31E+01	3.30E-01	1.67E+01	6.19E+00	5.38E+01
181	487208.74	3857036.11	4.63217	0.94468	1.58211	13.8269	47.23	4.772	3.0553	0.94468	3.23E+01	1.74E+00	1.65E-04	4.87E-01	1.48E+01	4.49E-01	2.16E+01	6.42E+00	6.50E+01
182	487258.74	3857036.11	4.428	0.94454	1.6337	10.6033	46.95	4.366	2.828	0.94454	3.09E+01	1.74E+00	1.70E-04	3.73E-01	1.47E+01	4.10E-01	2.00E+01	6.42E+00	6.17E+01
183	487308.74	3857036.11	4.27771	0.95741	1.6401	8.83755	46.37	4.013	2.611	0.95741	2.98E+01	1.77E+00	1.71E-04	3.11E-01	1.45E+01	3.77E-01	1.85E+01	6.51E+00	5.88E+01
184	487358.74	3857036.11	4.14713	0.95858	1.55506	7.68109	44.87	3.758	2.4625	0.95858	2.89E+01	1.77E+00	1.62E-04	2.70E-01	1.41E+01	3.53E-01	1.74E+01	6.52E+00	5.63E+01
185	487427.14	3856878.23	3.63506	0.81058	1.69101	4.94562	39.65	2.913	2.0058	0.81058	2.53E+01	1.50E+00	1.76E-04	1.74E-01	1.24E+01	2.74E-01	1.42E+01	5.51E+00	4.84E+01
186	487477.14	3856878.23	3.5476	0.80699	1.64331	4.63552	41.86	2.805	1.9346	0.80699	2.47E+01	1.49E+00	1.71E-04	1.63E-01	1.31E+01	2.64E-01	1.37E+01	5.49E+00	4.80E+01
187	487527.14	3856878.23	3.46961	0.80766	1.62441	4.37418	45.19	2.698	1.8769	0.80766	2.42E+01	1.49E+00	1.69E-04	1.54E-01	1.42E+01	2.54E-01	1.33E+01	5.49E+00	4.81E+01
188	487427.14	3856928.23	3.70954	0.84588	1.75458	5.32119	40.66	3.085	2.091	0.84588	2.59E+01	1.56E+00	1.83E-04	1.87E-01	1.27E+01	2.90E-01	1.48E+01	5.75E+00	4.97E+01
189	487477.14	3856928.23	3.62008	0.82743	1.73143	4.95905	44.29	2.943	2.0151	0.82743	2.52E+01	1.53E+00	1.80E-04	1.75E-01	1.39E+01	2.77E-01	1.43E+01	5.63E+00	4.97E+01
190	487527.14	3856928.23	3.53581	0.82776	1.65635	4.64338	48	2.839	1.9408	0.82776	2.47E+01	1.53E+00	1.72E-04	1.63E-01	1.50E+01	2.67E-01	1.38E+01	5.63E+00	4.98E+01
191	487577.14	3856928.23	3.45767	0.82693	1.54815	4.37478	49.64	2.733	1.8759	0.82693	2.41E+01	1.53E+00	1.61E-04	1.54E-01	1.56E+01	2.57E-01	1.33E+01	5.62E+00	4.93E+01
192	487627.14	3856928.23	3.38648	0.8229	1.52466	4.14697	49.05	2.656	1.8152	0.8229	2.36E+01	1.52E+00	1.59E-04	1.46E-01	1.54E+01	2.50E-01	1.29E+01	5.60E+00	4.82E+01
193	487677.14	3856928.23	3.3167	0.83643	1.48407	3.92873	50.6	2.591	1.7539	0.83643	2.31E+01	1.54E+00	1.55E-04	1.38E-01	1.59E+01	2.44E-01	1.24E+01	5.69E+00	4.76E+01
194	487727.14	3856928.23	3.25028	0.85105	1.45878	3.74153	51.97	2.503	1.6961	0.85105	2.27E+01	1.57E+00	1.52E-04	1.32E-01	1.63E+01	2.35E-01	1.20E+01	5.79E+00	4.71E+01
195	487777.14	3856928.23	3.19164	0.85485	1.4925	3.58287	53.52	2.397	1.6466	0.85485	2.23E+01	1.58E+00	1.55E-04	1.26E-01	1.68E+01	2.25E-01	1.17E+01	5.81E+00	4.68E+01
196	487427.14	3856978.23	3.83138	0.88866	1.66	5.81505	42.13	3.291	2.1935	0.88866	2.67E+01	1.64E+00	1.73E-04	2.05E-01	1.32E+01	3.09E-01	1.55E+01	6.04E+00	5.16E+01
197	487477.14	3856978.23	3.70104	0.87338	1.66548	5.33854	43.77	3.117	2.0986	0.87338	2.58E+01	1.61E+00	1.73E-04	1.88E-01	1.37E+01	2.93E-01	1.49E+01	5.94E+00	5.05E+01
198	487527.14	3856978.23	3.60911	0.86719	1.65986	4.95214	44.46	2.982	2.0162	0.86719	2.52E+01	1.60E+00	1.73E-04	1.74E-01	1.39E+01	2.80E-01	1.43E+01	5.90E+00	4.95E+01
199	487577.14	3856978.23	3.52416	0.85771	1.66703	4.6343	48.03	2.882	1.9428	0.85771	2.46E+01	1.58E+00	1.74E-04	1.63E-01	1.50E+01	2.71E-01	1.38E+01	5.83E+00	4.96E+01
200	487627.14	3856978.23	3.45058	0.85974	1.60105	4.37406	50.65	2.785	1.8731	0.85974	2.41E+01	1.59E+00	1.67E-04	1.54E-01	1.59E+01	2.62E-01	1.33E+01	5.85E+00	4.94E+01
201	487677.14	3856978.23	3.37903	0.87491	1.54202	4.13078	52.86	2.702	1.813	0.87491	2.36E+01	1.62E+00	1.61E-04	1.45E-01	1.66E+01	2.54E-01	1.28E+01	5.95E+00	4.90E+01
202	487727.14	3856978.23	3.31723	0.8612	1.47625	3.9333	56.34	2.6	1.7642	0.8612	2.31E+01	1.59E+00	1.54E-04	1.38E-01	1.77E+01	2.44E-01	1.25E+01	5.86E+00	4.94E+01
203	487777.14	3856978.23	3.24667	0.8971	1.50783	3.71631	55.71	2.536	1.694	0.8971	2.26E+01	1.66E+00	1.57E-04	1.31E-01	1.75E+01	2.38E-01	1.20E+01	6.10E+00	4.80E+01
204	487427.14	3857028.23	3.96295	0.93236	1.62175	6.42599	43.84	3.475	2.2935	0.93236	2.76E+01	1.72E+00	1.69E-04	2.26E-01	1.37E+01	3.27E-01	1.63E+01	6.34E+00	5.35E+01
205	487477.14	3857028.23	3.84941	0.91791	1.67711	5.79935	43.61	3.34	2.1937	0.91791	2.68E+01	1.70E+00	1.75E-04	2.04E-01	1.37E+01	3.14E-01	1.55E+01	6.24E+00	5.20E+01
206	487527.14	3857028.23	3.72352	0.90224	1.62148	5.33122	45.98	3.189	2.0975	0.90224	2.60E+01	1.67E+00	1.69E-04	1.88E-01	1.44E+01	3.00E-01	1.49E+01	6.14E+00	5.12E+01
207	487577.14	3857028.23	3.61897	0.90108	1.5167	4.93839	48.05	3.029	2.0156	0.90108	2.52E+01	1.66E+00	1.58E-04	1.74E-01	1.51E+01	2.85E-01	1.43E+01	6.13E+00	5.06E+01
208	487627.14	3857028.23	3.53793	0.89769	1.53248	4.63233	49.8	2.923	1.9463	0.89769	2.47E+01	1.66E+00	1.60E-04	1.63E-01	1.56E+01	2.75E-01	1.38E+01	6.10E+00	5.01E+01
209	487677.14	3857028.23	3.45941	0.90725	1.57645	4.3469	52.28	2.838	1.8643	0.90725	2.41E+01	1.68E+00	1.64E-04	1.53E-01	1.64E+01	2.67E-01	1.32E+01	6.17E+00	4.96E+01
210	487727.14	3857028.23	3.38381	0.92313	1.57772	4.09204	55.44	2.769	1.8065	0.92313	2.36E+01	1.70E+00	1.64E-04	1.44E-01	1.74E+01	2.60E-01	1.28E+01	6.28E+00	4.96E+01
211	487777.14	3857028.23	3.31432	0.92598	1.5225	3.8853	57.25	2.672	1.7489	0.92598	2.31E+01	1.71E+00	1.59E-04	1.37E-01	1.79E+01	2.51E-01	1.24E+01	6.30E+00	4.92E+01
212	487427.14	3857078.23	4.09744	0.97067	1.54525	7.13916	45.39	3.707	2.3976	0.97067	2.86E+01	1.79E+00	1.61E-04	2.51E-01	1.42E+01	3.48E-01	1.70E+01	6.60E+00	5.56E+01
213	487477.14	3857078.23	3.97947	0.95534	1.6607	6.40247	44.23	3.544	2.294	0.95534	2.77E+01	1.76E+00	1.73E-04	2.25E-01	1.39E+01	3.33E-01	1.63E+01	6.50E+00	5.37E+01
214	487527.14	3857078.23	3.86302	0.95354	1.60579	5.79383	46.86	3.401	2.195	0.95354	2.69E+01	1.76E+00	1.67E-04	2.04E-01	1.47E+01	3.20E-01	1.56E+01	6.48E+00	5.30E+01
215	487577.14	3857078.23	3.73656	0.9482	1.47756	5.29744	49.42	3.258	2.0954	0.9482	2.61E+01	1.75E+00	1.54E-04	1.86E-01	1.55E+01	3.06E-01	1.48E+01	6.45E+00	5.22E+01
216	487627.14	3857078.23	3.62097	0.94759	1.45596	4.92215	49.71	3.081	2.0193	0.94759	2.52E+01	1.75E+00	1.52E-04	1.73E-01	1.56E+01	2.90E-01	1.43E+01	6.44E+00	5.09E+01
217	487677.14	3857078.23	3.53039	0.95009	1.4657	4.59686	49.52	2.98	1.9337	0.95009	2.46E+01	1.75E+00	1.53E-04	1.62E-01	1.55E+01	2.80E-01	1.37E+01	6.46E+00	4.96E+01
218	487727.14	3857078.23	3.44972	0.95197	1.45681	4.31298	52.36	2.892	1.8528	0.95197	2.41E+01	1.76E+00	1.52E-04	1.52E-01	1.64E+01	2.72E-01	1.31E+01	6.47E+00	4.93E+01
219	487777.14	3857078.23	3.37562	0.94742	1.46459	4.0888	55.15	2.779	1.8023	0.94742	2.35E+01	1.75E+00	1.52E-04	1.44E-01	1.73E+01	2.61E-01	1.28E+01	6.44E+00	4.93E+01
220	487427.14	3857128.23	4.23668	1.01785	1.56791	7.76	46.83	3.966	2.5258	1.01785	2.95E+01	1.88E+00	1.63E-04	2.73E-01	1.47E+01	3.73E-01	1.79E+01	6.92E+00	5.77E+01
221	487477.14	3857128.23	4.10655	1.00844	1.72313	7.05802	46.23	3.769	2.4063	1.00844	2.86E+01	1.86E+00	1.79E-04	2.48E-01	1.45E+01	3.54E-01	1.70E+01	6.86E+00	5.58E+01
222	487527.14	3857128.23	3.98725	1.00073	1.56513	6.38267	48.14	3.627	2.3015	1.00073	2.78E+01	1.85E+00	1.63E-04	2.25E-01	1.51E+01	3.41E-01	1.63E+01	6.80E+00	5.48E+01
223	487577.14	3857128.23	3.87224	0.99255	1.37934	5.75809	48.08	3.474	2.2029	0.99255	2.70E+01	1.83E+00	1.44E-04	2.03E-01	1.51E+01	3.27E-01	1.56E+01	6.75E+00	5.33E+01
224	487627.14	3857128.23	3.75431	0.98597	1.3624	5.29246	48.71	3.336	2.0995	0.98597	2.62E+01	1.82E+00	1.42E-04	1.86E-01	1.53E+01	3.14E-01	1.49E+01	6.70E+00	5.19E+01
225	487677.14	3857128.23	3.6355	0.97452	1.38565	4.93904	48.7	3.134	2.0207	0.97452	2.53E+01	1.80E+00	1.44E-04	1.74E-01	1.53E+01	2.95E-01	1.43E+01	6.63E+00	5.06E+01
226	487727.14	3857128.23	3.53229	0.98529	1.411	4.5965	51.29	3.028	1.9256	0.98529	2.46E+01	1.82E+00	1.47E-04	1.62E-01	1.61E+01	2.85E-01	1.36E+01	6.70E+00	4.99E+01
227	487777.14	3857128.23	3.45236	0.97587	1.38341	4.34142	52.74	2.909	1.8482	0.97587	2.41E+01	1.80E+00	1.44E-04	1.53E-01	1.65E+01	2.73E-01	1.31E+01	6.64E+00	4.93E+01
228	488049.44	3856539.39	2.69938	0.67915	1.64747	2.22691	11.95	1.698	1.1526	0.67915	1.88E+01	1.25E+00	1.72E-04	7.84E-02	3.74E+00	1.60E-01	8.17E+00	4.62E+00	2.76E+01
229	488099.44	3856539.39	2.66749	0.67493	1.65989	2.17077	13.01	1.659	1.1318	0.67493	1.86E+01	1.25E+00	1.73E-04	7.64E-02	4.08E+00	1.56E-01	8.02E+00	4.59E+00	2.76E+01
230	488149.44	3856539.39	2.63241	0.67561	1.63712	2.12411	14.23	1.648	1.1136	0.67561	1.84E+01	1.25E+00	1.70E-04	7.48E-02	4.46E+00	1.55E-01	7.89E+00	4.59E+00	2.76E+01
231	488049.44	3856589.39	2.70065	0.68696	1.53623	2.38394	15.79	1.748	1.1733	0.68696	1.88E+01	1.27E+00	1.60E-04	8.39E-02	4.95E+00	1.64E-01	8.31E+00	4.67E+00	2.89E+01
232	488099.44	3856589.39	2.66659	0.69675	1.46853	2.29576	17.1	1.709	1.1531	0.69675	1.86E+01	1.29E+00	1.53E-04	8.08E-02	5.36E+00	1.61E-01	8.17E+00	4.74E+00	2.89E+01

233	488149.44	3856589.39	2.63306	0.69587	1.45957	2.178	17.7	1.692	1.1347	0.69587	1.84E+01	1.29E+00	1.52E-04	7.67E-02	5.55E+00	1.59E-01	8.04E+00	4.73E+00	2.87E+01
234	488199.44	3856589.39	2.60467	0.6894	1.50325	2.132	17.63	1.682	1.113	0.6894	1.82E+01	1.27E+00	1.56E-04	7.50E-02	5.52E+00	1.58E-01	7.89E+00	4.69E+00	2.84E+01
235	488249.44	3856589.39	2.56522	0.69916	1.51811	2.0848	18.66	1.685	1.1044	0.69916	1.79E+01	1.29E+00	1.58E-04	7.34E-02	5.85E+00	1.58E-01	7.83E+00	4.75E+00	2.83E+01
236	488049.44	3856639.39	2.7095	0.70365	1.80069	2.45898	21.6	1.81	1.1977	0.70365	1.89E+01	1.30E+00	1.87E-04	8.65E-02	6.77E+00	1.70E-01	8.49E+00	4.78E+00	3.09E+01
237	488099.44	3856639.39	2.67529	0.70152	1.69729	2.41026	21.29	1.754	1.1779	0.70152	1.87E+01	1.30E+00	1.77E-04	8.48E-02	6.67E+00	1.65E-01	8.35E+00	4.77E+00	3.04E+01
238	488149.44	3856639.39	2.64221	0.70246	1.60132	2.34619	21.69	1.735	1.1586	0.70246	1.84E+01	1.30E+00	1.67E-04	8.26E-02	6.79E+00	1.63E-01	8.21E+00	4.78E+00	3.02E+01
239	488199.44	3856639.39	2.60671	0.71148	1.54544	2.23908	22.16	1.742	1.1416	0.71148	1.82E+01	1.31E+00	1.61E-04	7.88E-02	6.94E+00	1.64E-01	8.09E+00	4.84E+00	2.99E+01
240	488249.44	3856639.39	2.57416	0.7213	1.53372	2.13661	22.55	1.718	1.1205	0.7213	1.79E+01	1.33E+00	1.60E-04	7.52E-02	7.06E+00	1.61E-01	7.94E+00	4.90E+00	2.96E+01
241	488299.44	3856639.39	2.54036	0.72495	1.54449	2.09184	23.39	1.695	1.1127	0.72495	1.77E+01	1.34E+00	1.61E-04	7.36E-02	7.33E+00	1.59E-01	7.88E+00	4.93E+00	2.96E+01
242	488349.44	3856639.39	2.50799	0.72095	1.4838	2.05034	23.35	1.673	1.1008	0.72095	1.75E+01	1.33E+00	1.54E-04	7.22E-02	7.32E+00	1.57E-01	7.80E+00	4.90E+00	2.93E+01
243	488399.44	3856639.39	2.46845	0.72324	1.46666	2.01231	23.68	1.629	1.0972	0.72324	1.72E+01	1.34E+00	1.53E-04	7.08E-02	7.42E+00	1.53E-01	7.77E+00	4.92E+00	2.90E+01
244	488099.44	3856689.39	2.67511	0.73326	1.633	2.47205	27.23	1.827	1.2052	0.73326	1.87E+01	1.35E+00	1.70E-04	8.70E-02	8.53E+00	1.72E-01	8.54E+00	4.99E+00	3.23E+01
245	488149.44	3856689.39	2.63565	0.72904	1.65605	2.42363	28.35	1.799	1.1853	0.72904	1.84E+01	1.35E+00	1.72E-04	8.53E-02	8.88E+00	1.69E-01	8.40E+00	4.96E+00	3.23E+01
246	488199.44	3856689.39	2.59797	0.73143	1.69472	2.37732	28.81	1.788	1.1681	0.73143	1.81E+01	1.35E+00	1.76E-04	8.37E-02	9.03E+00	1.68E-01	8.28E+00	4.97E+00	3.20E+01
247	488249.44	3856689.39	2.56738	0.72641	1.67051	2.31044	29.81	1.76	1.1441	0.72641	1.79E+01	1.34E+00	1.74E-04	8.13E-02	9.34E+00	1.65E-01	8.11E+00	4.94E+00	3.20E+01
248	488299.44	3856689.39	2.5327	0.73343	1.6188	2.18558	29.83	1.745	1.1336	0.73343	1.77E+01	1.35E+00	1.69E-04	7.69E-02	9.35E+00	1.64E-01	8.03E+00	4.99E+00	3.16E+01
249	488349.44	3856689.39	2.49756	0.74013	1.59149	2.09823	29.68	1.718	1.1233	0.74013	1.74E+01	1.37E+00	1.66E-04	7.38E-02	9.30E+00	1.62E-01	7.96E+00	5.03E+00	3.12E+01
250	488399.44	3856689.39	2.47972	0.73131	1.56586	2.05811	29.14	1.659	1.1074	0.73131	1.73E+01	1.35E+00	1.63E-04	7.24E-02	9.13E+00	1.56E-01	7.85E+00	4.97E+00	3.09E+01
251	488099.44	3856739.39	2.69862	0.76639	1.56051	2.52889	37.14	1.899	1.2411	0.76639	1.88E+01	1.42E+00	1.62E-04	8.90E-02	1.16E+01	1.78E-01	8.79E+00	5.21E+00	3.57E+01
252	488149.44	3856739.39	2.67048	0.75705	1.53115	2.4813	37.03	1.875	1.2154	0.75705	1.86E+01	1.40E+00	1.59E-04	8.73E-02	1.16E+01	1.76E-01	8.61E+00	5.15E+00	3.53E+01
253	488199.44	3856739.39	2.62715	0.76372	1.5694	2.43245	35.96	1.869	1.195	0.76372	1.83E+01	1.41E+00	1.63E-04	8.56E-02	1.13E+01	1.76E-01	8.47E+00	5.19E+00	3.45E+01
254	488249.44	3856739.39	2.59449	0.75687	1.56149	2.38622	34.36	1.821	1.1768	0.75687	1.81E+01	1.40E+00	1.63E-04	8.40E-02	1.08E+01	1.71E-01	8.34E+00	5.15E+00	3.37E+01
255	488299.44	3856739.39	2.57083	0.74296	1.56636	2.33666	33.14	1.783	1.1521	0.74296	1.79E+01	1.37E+00	1.63E-04	8.22E-02	1.04E+01	1.68E-01	8.16E+00	5.05E+00	3.30E+01
256	488349.44	3856739.39	2.52276	0.74692	1.6888	2.25443	32.02	1.751	1.1445	0.74692	1.76E+01	1.38E+00	1.76E-04	7.93E-02	1.00E+01	1.65E-01	8.11E+00	5.08E+00	3.23E+01
257	488399.44	3856739.39	2.48762	0.75211	1.71756	2.13389	31.25	1.71	1.1392	0.75211	1.73E+01	1.39E+00	1.79E-04	7.51E-02	9.79E+00	1.61E-01	8.07E+00	5.11E+00	3.17E+01
258	487999.44	3856789.39	2.80722	0.78112	1.55248	2.74292	46.55	1.998	1.3574	0.78112	1.96E+01	1.44E+00	1.62E-04	9.65E-02	1.46E+01	1.88E-01	9.62E+00	5.31E+00	4.02E+01
259	488049.44	3856789.39	2.76432	0.7823	1.54794	2.67619	44.46	1.966	1.323	0.7823	1.93E+01	1.44E+00	1.61E-04	9.42E-02	1.39E+01	1.85E-01	9.37E+00	5.32E+00	3.90E+01
260	488099.44	3856789.39	2.72044	0.7914	1.55463	2.61329	41.64	1.948	1.2839	0.7914	1.90E+01	1.46E+00	1.62E-04	9.20E-02	1.30E+01	1.83E-01	9.10E+00	5.38E+00	3.75E+01
261	488149.44	3856789.39	2.68693	0.78698	1.57005	2.55887	39.76	1.943	1.2515	0.78698	1.87E+01	1.45E+00	1.63E-04	9.01E-02	1.25E+01	1.83E-01	8.87E+00	5.35E+00	3.64E+01
262	488199.44	3856789.39	2.65156	0.78652	1.53702	2.47942	38.5	1.924	1.2237	0.78652	1.85E+01	1.45E+00	1.60E-04	8.73E-02	1.21E+01	1.81E-01	8.67E+00	5.35E+00	3.56E+01
263	488249.44	3856789.39	2.61592	0.77895	1.65457	2.42648	37.8	1.894	1.205	0.77895	1.82E+01	1.44E+00	1.72E-04	8.54E-02	1.18E+01	1.78E-01	8.54E+00	5.30E+00	3.50E+01
264	488299.44	3856789.39	2.57898	0.76744	1.666	2.38005	37.1	1.854	1.1799	0.76744	1.80E+01	1.42E+00	1.73E-04	8.38E-02	1.16E+01	1.74E-01	8.36E+00	5.22E+00	3.44E+01
265	488349.44	3856789.39	2.52742	0.77374	1.82395	2.32587	35.53	1.802	1.1613	0.77374	1.76E+01	1.43E+00	1.90E-04	8.19E-02	1.11E+01	1.69E-01	8.23E+00	5.26E+00	3.34E+01
266	488399.44	3856789.39	2.49324	0.77448	1.80454	2.27712	33.94	1.747	1.1541	0.77448	1.74E+01	1.43E+00	1.88E-04	8.01E-02	1.06E+01	1.64E-01	8.18E+00	5.27E+00	3.26E+01
267	487949.44	3856839.39	2.89569	0.79762	1.57678	2.91301	51.52	2.136	1.4269	0.79762	2.02E+01	1.47E+00	1.64E-04	1.03E-01	1.61E+01	2.01E-01	1.01E+01	5.42E+00	4.28E+01
268	487999.44	3856839.39	2.85386	0.80239	1.57353	2.82822	49.61	2.09	1.3934	0.80239	1.99E+01	1.48E+00	1.64E-04	9.95E-02	1.55E+01	1.96E-01	9.87E+00	5.46E+00	4.16E+01
269	488049.44	3856839.39	2.81426	0.80866	1.56862	2.75355	46.5	2.032	1.3623	0.80866	1.96E+01	1.49E+00	1.63E-04	9.69E-02	1.46E+01	1.91E-01	9.65E+00	5.50E+00	4.01E+01
270	488099.44	3856839.39	2.76482	0.81421	1.58462	2.68544	43.75	2.003	1.3304	0.81421	1.93E+01	1.50E+00	1.65E-04	9.45E-02	1.37E+01	1.88E-01	9.43E+00	5.54E+00	3.87E+01
271	488149.44	3856839.39	2.71487	0.81469	1.54616	2.62326	42.31	1.996	1.2928	0.81469	1.89E+01	1.50E+00	1.61E-04	9.23E-02	1.33E+01	1.88E-01	9.16E+00	5.54E+00	3.76E+01
272	488199.44	3856839.39	2.67123	0.81114	1.63752	2.55587	41.02	1.973	1.2578	0.81114	1.86E+01	1.50E+00	1.70E-04	9.00E-02	1.29E+01	1.85E-01	8.91E+00	5.52E+00	3.66E+01
273	487949.44	3856889.39	2.95998	0.82356	1.49273	3.02212	54.94	2.198	1.4674	0.82356	2.06E+01	1.52E+00	1.55E-04	1.06E-01	1.72E+01	2.07E-01	1.04E+01	5.60E+00	4.45E+01
274	487999.44	3856889.39	2.88662	0.83628	1.48302	2.9222	52.63	2.165	1.4274	0.83628	2.01E+01	1.54E+00	1.54E-04	1.03E-01	1.65E+01	2.03E-01	1.01E+01	5.69E+00	4.29E+01
275	488049.44	3856889.39	2.83705	0.82858	1.51535	2.84026	50.75	2.117	1.3974	0.82858	1.98E+01	1.53E+00	1.58E-04	1.00E-01	1.59E+01	1.99E-01	9.90E+00	5.63E+00	4.18E+01
276	488099.44	3856889.39	2.79079	0.83181	1.51106	2.76141	47.64	2.091	1.3625	0.83181	1.95E+01	1.54E+00	1.57E-04	9.72E-02	1.49E+01	1.97E-01	9.65E+00	5.66E+00	4.02E+01
277	488635.86	3857895.05	3.42484	1.46746	6.79304	4.47146	16.13	4.851	1.8307	1.46746	2.39E+01	2.71E+00	7.07E-04	1.57E-01	5.06E+00	4.56E-01	1.30E+01	9.98E+00	3.52E+01
278	489137.64	3857804.15	2.87514	1.16851	4.59606	2.91926	16.6	3.399	1.3288	1.16851	2.00E+01	2.16E+00	4.78E-04	1.03E-01	5.20E+00	3.20E-01	9.41E+00	7.95E+00	2.93E+01
279	488617.32	3857859.41	3.37582	1.44798	7.01345	4.3692	17.52	4.824	1.8108	1.44798	2.35E+01	2.67E+00	7.30E-04	1.54E-01	5.49E+00	4.53E-01	1.28E+01	9.85E+00	3.53E+01
280	488667.32	3857859.41	3.30616	1.41581	6.78539	4.16976	16.04	4.631	1.7462	1.41581	2.30E+01	2.61E+00	7.06E-04	1.47E-01	5.03E+00	4.35E-01	1.24E+01	9.63E+00	3.40E+01
281	488717.32	3857859.41	3.24491	1.38784	6.59953	3.9884	16.2	4.464	1.6776	1.38784	2.26E+01	2.56E+00	6.87E-04	1.40E-01	5.08E+00	4.20E-01	1.19E+01	9.44E+00	3.33E+01
282	488767.32	3857859.41	3.18766	1.36445	6.31217	3.81676	16.18	4.335	1.6215	1.36445	2.22E+01	2.52E+00	6.57E-04	1.34E-01	5.07E+00	4.07E-01	1.15E+01	9.28E+00	3.26E+01
283	488617.32	3857909.41	3.51268	1.49543	6.99579	4.64219	15.78	4.975	1.8734	1.49543	2.45E+01	2.76E+00	7.28E-04	1.63E-01	4.94E+00	4.68E-01	1.33E+01	1.02E+01	3.59E+01
284	488667.32	3857909.41	3.41222	1.47109	6.7662	4.36848	15.06	4.79	1.8126	1.47109	2.38E+01	2.72E+00	7.04E-04	1.54E-01	4.72E+00	4.50E-01	1.28E+01	1.00E+01	3.47E+01
285	488717.32	3857909.41	3.34407	1.4306	6.47966	4.20367	14.33	4.609	1.7469	1.4306	2.33E+01	2.64E+00	6.75E-04	1.48E-01	4.49E+00	4.33E-01	1.24E+01	9.73E+00	3.37E+01
286	488767.32	3857909.41	3.27819	1.40914	6.17924	4.00577	14.16	4.497	1.6879	1.40914	2.29E+01	2.60E+00	6.43E-04	1.41E-01	4.44E+00	4.23E-01	1.20E+01	9.58E+00	3.28E+01
287	488417.32	3857959.41	4.1102	1.65927	8.71919	6.88081	18.9	6.47	2.2853	1.65927	2.87E+01	3.06E+00	9.08E-04	2.42E-01	5.92E+00	6.08E-01	1.62E+01	1.13E+01	4.34E+01
288	488467.32	3857959.41	3.98217	1.64429	8.30318	6.20115	17.96	6.04	2.1889	1.64429	2.78E+01	3.04E+00	8.64E-04	2.18E-01	5.63E+00	5.68E-01	1.55E+01	1.12E+01	4.15E+01
289	488517.32	3857959.41	3.86905	1.6237	7.90528	5.66662	16.62	5.714	2.1174	1.6237	2.70E+01	3.00E+00	8.23E-04	1.99E-01	5.21E+00	5.37E-01	1.50E+01	1.10E+01	3.99E+01
290	488567.32	3857959.41	3.76495	1.58284	7.52177	5.27558	15.08	5.418	2.0361	1.58284	2.62E+01	2.92E+00	7.83E-04	1.86E-01	4.72E+00	5.09E-01	1.44E+01	1.08E+01	3.83E+01
291	488617.32	3857959.41	3.65332	1.55194	7.1358	4.98422	14.49	5.165	1.9493	1.55194	2.55E+01	2.87E+00	7.43E-04	1.75E-01	4.54E+00	4.85E-01	1.38E+01	1.06E+01	3.68E+01

292	488667.32	3857959.41	3.54906	1.52088	6.89766	4.76507	13.55	4.956	1.8754	1.52088	2.47E+01	2.81E+00	7.18E-04	1.68E-01	4.25E+00	4.66E-01	1.33E+01	1.03E+01	3.54E+01
293	488717.32	3857959.41	3.45805	1.49432	6.58333	4.54052	12.43	4.759	1.8072	1.49432	2.41E+01	2.76E+00	6.85E-04	1.60E-01	3.90E+00	4.47E-01	1.28E+01	1.02E+01	3.40E+01
294	488767.32	3857959.41	3.39705	1.46476	6.32444	4.32499	12.1	4.554	1.7465	1.46476	2.37E+01	2.71E+00	6.58E-04	1.52E-01	3.79E+00	4.28E-01	1.24E+01	9.96E+00	3.32E+01
295	488417.32	3858009.41	4.33028	1.74849	9.14019	7.77422	17.34	7.007	2.4001	1.74849	3.02E+01	3.23E+00	9.52E-04	2.74E-01	5.43E+00	6.59E-01	1.70E+01	1.19E+01	4.49E+01
296	488467.32	3858009.41	4.1531	1.72473	8.66551	6.87182	17.08	6.414	2.3245	1.72473	2.90E+01	3.19E+00	9.02E-04	2.42E-01	5.35E+00	6.03E-01	1.65E+01	1.17E+01	4.31E+01
297	488517.32	3858009.41	4.02447	1.69354	8.19885	6.26887	15.77	6.028	2.2298	1.69354	2.81E+01	3.13E+00	8.54E-04	2.21E-01	4.94E+00	5.67E-01	1.58E+01	1.15E+01	4.12E+01
298	488567.32	3858009.41	3.91006	1.66031	7.71912	5.81406	14.75	5.675	2.1599	1.66031	2.73E+01	3.07E+00	8.04E-04	2.05E-01	4.62E+00	5.33E-01	1.53E+01	1.13E+01	3.97E+01
299	488617.32	3858009.41	3.80976	1.6174	7.26312	5.50917	12.92	5.325	2.0613	1.6174	2.66E+01	2.99E+00	7.56E-04	1.94E-01	4.05E+00	5.01E-01	1.46E+01	1.10E+01	3.79E+01
300	488667.32	3858009.41	3.69466	1.58257	6.8415	5.17071	12.35	5.027	1.9576	1.58257	2.58E+01	2.92E+00	7.12E-04	1.82E-01	3.87E+00	4.73E-01	1.39E+01	1.08E+01	3.63E+01
301	488717.32	3858009.41	3.59065	1.55306	6.51143	4.8577	11.64	4.848	1.882	1.55306	2.50E+01	2.87E+00	6.78E-04	1.71E-01	3.65E+00	4.56E-01	1.33E+01	1.06E+01	3.49E+01
302	488767.32	3858009.41	3.54204	1.52301	6.24394	4.60188	11.09	4.695	1.8199	1.52301	2.47E+01	2.81E+00	6.50E-04	1.62E-01	3.47E+00	4.41E-01	1.29E+01	1.04E+01	3.41E+01
303	488417.32	3858059.41	4.5457	1.84949	7.74781	8.85241	15.77	7.606	2.5544	1.84949	3.17E+01	3.42E+00	8.07E-04	3.12E-01	4.94E+00	7.15E-01	1.81E+01	1.26E+01	4.66E+01
304	488467.32	3858059.41	4.38505	1.82426	7.37168	7.6545	15.63	6.972	2.4791	1.82426	3.06E+01	3.37E+00	7.67E-04	2.69E-01	4.90E+00	6.55E-01	1.76E+01	1.24E+01	4.49E+01
305	488517.32	3858059.41	4.20503	1.77669	7.01819	6.93065	15.14	6.456	2.3886	1.77669	2.93E+01	3.28E+00	7.31E-04	2.44E-01	4.74E+00	6.07E-01	1.69E+01	1.21E+01	4.30E+01
306	488567.32	3858059.41	4.08228	1.74489	6.70485	6.398	14.34	6.013	2.2986	1.74489	2.85E+01	3.22E+00	6.98E-04	2.25E-01	4.49E+00	5.65E-01	1.63E+01	1.19E+01	4.14E+01
307	488617.32	3858059.41	3.9735	1.71729	6.4368	6.01313	13.02	5.689	2.1853	1.71729	2.77E+01	3.17E+00	6.70E-04	2.12E-01	4.08E+00	5.35E-01	1.55E+01	1.17E+01	3.95E+01
308	488667.32	3858059.41	3.85906	1.66949	6.16217	5.59575	11.76	5.387	2.069	1.66949	2.69E+01	3.08E+00	6.42E-04	1.97E-01	3.68E+00	5.06E-01	1.47E+01	1.14E+01	3.77E+01
309	488417.32	3858109.41	4.74188	1.97475	7.2369	11.11265	11.89	8.154	2.6984	1.97475	3.31E+01	3.65E+00	7.53E-04	3.91E-01	3.73E+00	7.67E-01	1.91E+01	1.34E+01	4.73E+01
310	488467.32	3858109.41	4.58891	1.91483	6.91766	9.23177	13.75	7.391	2.6036	1.91483	3.20E+01	3.54E+00	7.20E-04	3.25E-01	4.31E+00	6.95E-01	1.84E+01	1.30E+01	4.63E+01
311	488517.32	3858109.41	4.43166	1.87926	6.61809	7.95633	13.95	6.821	2.5124	1.87926	3.09E+01	3.47E+00	6.89E-04	2.80E-01	4.37E+00	6.41E-01	1.78E+01	1.28E+01	4.47E+01
312	488567.32	3858109.41	4.27935	1.84407	6.3025	7.21763	13.74	6.43	2.4083	1.84407	2.98E+01	3.41E+00	6.56E-04	2.54E-01	4.31E+00	6.04E-01	1.71E+01	1.25E+01	4.29E+01
313	488617.32	3858109.41	4.15917	1.80636	6.00004	6.5505	12.88	6.049	2.3036	1.80636	2.90E+01	3.34E+00	6.25E-04	2.31E-01	4.04E+00	5.69E-01	1.63E+01	1.23E+01	4.12E+01
314	488667.32	3858109.41	4.03462	1.76286	5.71377	6.14657	11.75	5.743	2.1979	1.76286	2.81E+01	3.26E+00	5.95E-04	2.16E-01	3.68E+00	5.40E-01	1.56E+01	1.20E+01	3.94E+01
315	488769.93	3858449.27	4.47584	2.6419	3.62602	13.76595	6.698	8.085	2.9579	2.6419	3.12E+01	4.88E+00	3.77E-04	4.85E-01	2.10E+00	7.60E-01	2.10E+01	1.80E+01	4.24E+01
316	488819.93	3858449.27	4.3604	2.5434	3.29561	11.03586	6.288	7.377	2.7819	2.5434	3.04E+01	4.70E+00	3.43E-04	3.88E-01	1.97E+00	6.93E-01	1.97E+01	1.73E+01	4.06E+01
317	488819.93	3858499.27	4.41414	2.72633	3.61108	14.11803	6.287	8.216	2.9912	2.72633	3.08E+01	5.04E+00	3.76E-04	4.97E-01	1.97E+00	7.72E-01	2.12E+01	1.85E+01	4.17E+01
318	488869.93	3858499.27	4.39228	2.62578	3.55936	11.85088	5.779	7.31	2.807	2.62578	3.06E+01	4.85E+00	3.71E-04	4.17E-01	1.81E+00	6.87E-01	1.99E+01	1.79E+01	4.04E+01
319	488869.93	3858549.27	4.59135	2.789	3.65079	14.70687	5.908	8.424	3.0245	2.789	3.20E+01	5.15E+00	3.80E-04	5.18E-01	1.85E+00	7.92E-01	2.14E+01	1.90E+01	4.28E+01
320	489438.17	3859571.48	3.22255	2.60385	4.4049	5.1411	1.511	2.819	2.6729	2.60385	2.25E+01	4.81E+00	4.59E-04	1.81E-01	4.73E-01	2.65E-01	1.89E+01	1.77E+01	2.94E+01
321	489488.17	3859571.48	3.01961	2.72928	4.97332	5.05923	1.329	2.831	2.7819	2.72928	2.11E+01	5.04E+00	5.18E-04	1.78E-01	4.16E-01	2.66E-01	1.97E+01	1.86E+01	2.81E+01
322	489538.17	3859571.48	2.8376	2.89776	4.99048	4.96511	1.384	2.864	2.9382	2.89776	1.98E+01	5.35E+00	5.20E-04	1.75E-01	4.34E-01	2.69E-01	2.08E+01	1.97E+01	2.71E+01
323	489588.17	3859571.48	2.74253	3.08591	5.45522	5.03925	1.338	2.983	3.1178	3.08591	1.91E+01	5.70E+00	5.68E-04	1.77E-01	4.19E-01	2.80E-01	2.21E+01	2.10E+01	2.68E+01
324	489438.17	3859621.48	3.2058	2.35815	3.43728	4.97294	1.522	2.709	2.403	2.35815	2.23E+01	4.36E+00	3.58E-04	1.75E-01	4.77E-01	2.55E-01	1.70E+01	1.60E+01	2.86E+01
325	489488.17	3859621.48	3.05352	2.50009	3.76869	4.83542	1.411	2.698	2.5274	2.50009	2.13E+01	4.62E+00	3.92E-04	1.70E-01	4.42E-01	2.54E-01	1.79E+01	1.70E+01	2.77E+01
326	489538.17	3859621.48	2.90205	2.62502	3.52148	4.71843	1.316	2.771	2.6117	2.62502	2.02E+01	4.85E+00	3.67E-04	1.66E-01	4.12E-01	2.60E-01	1.85E+01	1.78E+01	2.66E+01
327	489588.17	3859621.48	2.77091	2.77638	3.54543	4.65948	1.347	2.733	2.7967	2.77638	1.93E+01	5.13E+00	3.69E-04	1.64E-01	4.22E-01	2.57E-01	1.98E+01	1.89E+01	2.62E+01
328	489238.17	3859671.48	3.93159	1.86351	2.47699	10.26491	1.676	2.641	1.8074	1.86351	2.74E+01	3.44E+00	2.58E-04	3.61E-01	5.25E-01	2.48E-01	1.28E+01	1.27E+01	3.21E+01
329	489288.17	3859671.48	3.74042	1.92583	2.60646	7.51461	1.582	2.627	1.8744	1.92583	2.61E+01	3.56E+00	2.71E-04	2.64E-01	4.96E-01	2.47E-01	1.33E+01	1.31E+01	3.08E+01
330	489338.17	3859671.48	3.45116	2.00264	2.87532	6.09105	1.48	2.667	1.9721	2.00264	2.41E+01	3.70E+00	2.99E-04	2.14E-01	4.64E-01	2.51E-01	1.40E+01	1.36E+01	2.90E+01
331	489388.17	3859671.48	3.29555	2.11916	2.71296	5.32016	1.473	2.631	2.0709	2.11916	2.30E+01	3.91E+00	2.82E-04	1.87E-01	4.62E-01	2.47E-01	1.47E+01	1.44E+01	2.80E+01
332	489438.17	3859671.48	3.21621	2.21759	2.83977	4.76462	1.448	2.661	2.2171	2.21759	2.24E+01	4.10E+00	2.96E-04	1.68E-01	4.54E-01	2.50E-01	1.57E+01	1.51E+01	2.80E+01
333	489488.17	3859671.48	3.12673	2.32454	2.71706	4.61741	1.493	2.609	2.3753	2.32454	2.18E+01	4.29E+00	2.83E-04	1.63E-01	4.68E-01	2.45E-01	1.68E+01	1.58E+01	2.80E+01
334	489538.17	3859671.48	2.99943	2.41776	2.53237	4.56087	1.297	2.642	2.5032	2.41776	2.09E+01	4.47E+00	2.64E-04	1.61E-01	4.07E-01	2.48E-01	1.77E+01	1.64E+01	2.75E+01
335	489588.17	3859671.48	2.86737	2.56838	2.94086	4.49494	1.291	2.663	2.6011	2.56838	2.00E+01	4.74E+00	3.06E-04	1.58E-01	4.04E-01	2.50E-01	1.84E+01	1.75E+01	2.65E+01
336	489238.17	3859721.48	3.74655	1.7398	2.69998	10.28145	1.52	2.706	1.7383	1.7398	2.61E+01	3.21E+00	2.81E-04	3.62E-01	4.76E-01	2.54E-01	1.23E+01	1.18E+01	3.09E+01
337	489288.17	3859721.48	3.59453	1.81796	2.57303	7.51295	1.621	2.597	1.8305	1.81796	2.51E+01	3.36E+00	2.68E-04	2.64E-01	5.08E-01	2.44E-01	1.30E+01	1.24E+01	3.00E+01
338	489338.17	3859721.48	3.46427	1.89458	2.31378	5.95569	1.502	2.564	1.8896	1.89458	2.42E+01	3.50E+00	2.41E-04	2.10E-01	4.71E-01	2.41E-01	1.34E+01	1.29E+01	2.91E+01
339	489388.17	3859721.48	3.32066	1.96123	2.18116	5.2006	1.46	2.544	1.9635	1.96123	2.32E+01	3.62E+00	2.27E-04	1.83E-01	4.57E-01	2.39E-01	1.39E+01	1.33E+01	2.82E+01
340	489438.17	3859721.48	3.2282	2.03385	2.2091	4.71753	1.445	2.568	2.0424	2.03385	2.25E+01	3.76E+00	2.30E-04	1.66E-01	4.53E-01	2.41E-01	1.45E+01	1.38E+01	2.78E+01
341	489488.17	3859721.48	3.09554	2.18354	1.92126	4.43136	1.379	2.619	2.1964	2.18354	2.16E+01	4.03E+00	2.00E-04	1.56E-01	4.32E-01	2.46E-01	1.56E+01	1.48E+01	2.72E+01
342	489538.17	3859721.48	2.96617	2.27398	2.44055	4.39096	1.402	2.583	2.3246	2.27398	2.07E+01	4.20E+00	2.54E-04	1.55E-01	4.39E-01	2.43E-01	1.65E+01	1.55E+01	2.67E+01
343	489588.17	3859721.48	2.91385	2.36302	2.63578	4.34953	1.193	2.574	2.4266	2.36302	2.03E+01	4.36E+00	2.74E-04	1.53E-01	3.74E-01	2.42E-01	1.72E+01	1.61E+01	2.66E+01
344	489238.17	3859771.48	3.3624	1.67488	2.16664	10.25138	1.335	2.7	1.6462	1.67488	2.34E+01	3.09E+00	2.26E-04	3.61E-01	4.18E-01	2.54E-01	1.17E+01	1.14E+01	2.78E+01
345	489288.17	3859771.48	3.3203	1.72751	2.03157	7.49856	1.537	2.607	1.7253	1.72751	2.31E+01	3.19E+00	2.11E-04	2.64E-01	4.82E-01	2.45E-01	1.22E+01	1.17E+01	2.78E+01
346	489338.17	3859771.48	3.29304	1.76985	1.93621	5.93307	1.536	2.54	1.794	1.76985	2.30E+01	3.27E+00	2.02E-04	2.09E-01	4.81E-01	2.39E-01	1.27E+01	1.20E+01	2.78E+01
347	489388.17	3859771.48	3.24085	1.86575	1.91143	5.09737	1.439	2.525	1.8499	1.86575	2.26E+01	3.45E+00	1.99E-04	1.79E-01	4.51E-01	2.37E-01	1.31E+01	1.27E+01	2.73E+01
348	489438.17	3859771.48	3.1148	1.92787	1.79612	4.67537	1.436	2.555	1.9365	1.92787	2.17E+01	3.56E+00	1.87E-04	1.65E-01	4.50E-01	2.40E-01	1.37E+01	1.31E+01	2.67E+01
349	489488.17	3859771.48	3.00931	2.02829	1.91632	4.29609	1.384	2.541	2.029	2.02829	2.10E+01	3.75E+00	2.00E-04	1.51E-01	4.34E-01	2.39E-01	1.44E+01	1.38E+01	2.61E+01
350	489538.17	3859771.48	2.92669	2.15131	2.0067	4.22477	1.399	2.496	2.1747	2.15131	2.04E+01	3.97E+00	2.09E-04	1.49E-01	4.38E-01	2.35E-01	1.54E+01	1.46E+01	2.60E+01

351	489588.17	3859771.48	2.84543	2.27686	2.38186	4.19708	1.289	2.507	2.3036	2.27686	1.98E+01	4.21E+00	2.48E-04	1.48E-01	4.04E-01	2.36E-01	1.63E+01	1.55E+01	2.57E+01
352	489238.17	3859821.48	3.08432	1.59994	1.61113	10.22035	1.171	2.697	1.5613	1.59994	2.15E+01	2.95E+00	1.68E-04	3.60E-01	3.67E-01	2.53E-01	1.11E+01	1.09E+01	2.56E+01
353	489288.17	3859821.48	3.12008	1.66024	1.50507	7.5021	1.385	2.565	1.6184	1.66024	2.18E+01	3.07E+00	1.57E-04	2.64E-01	4.34E-01	2.41E-01	1.15E+01	1.13E+01	2.59E+01
354	489338.17	3859821.48	3.05562	1.70171	1.69677	5.89873	1.559	2.518	1.6827	1.70171	2.13E+01	3.14E+00	1.77E-04	2.08E-01	4.89E-01	2.37E-01	1.19E+01	1.16E+01	2.57E+01
355	489388.17	3859821.48	3.08382	1.76668	1.71525	5.02815	1.459	2.459	1.7455	1.76668	2.15E+01	3.26E+00	1.79E-04	1.77E-01	4.57E-01	2.31E-01	1.24E+01	1.20E+01	2.60E+01
356	489438.17	3859821.48	3.10343	1.85438	1.69413	4.54209	1.423	2.469	1.8212	1.85438	2.16E+01	3.42E+00	1.76E-04	1.60E-01	4.46E-01	2.32E-01	1.29E+01	1.26E+01	2.62E+01
357	489488.17	3859821.48	3.03164	1.93937	1.90606	4.18714	1.416	2.463	1.9176	1.93937	2.11E+01	3.58E+00	1.98E-04	1.47E-01	4.44E-01	2.31E-01	1.36E+01	1.32E+01	2.59E+01
358	489538.17	3859821.48	2.84951	2.01931	1.93006	4.09463	1.313	2.472	1.9868	2.01931	1.99E+01	3.73E+00	2.01E-04	1.44E-01	4.11E-01	2.32E-01	1.41E+01	1.37E+01	2.47E+01
359	489588.17	3859821.48	2.74212	2.09565	1.86772	4.07296	1.4	2.449	2.1137	2.09565	1.91E+01	3.87E+00	1.94E-04	1.43E-01	4.39E-01	2.30E-01	1.50E+01	1.43E+01	2.45E+01
360	489238.17	3859871.48	3.08524	1.54375	1.12806	10.17002	1.054	2.736	1.4712	1.54375	2.15E+01	2.85E+00	1.17E-04	3.58E-01	3.30E-01	2.57E-01	1.04E+01	1.05E+01	2.52E+01
361	489288.17	3859871.48	3.05261	1.57525	1.33291	7.49657	1.2	2.638	1.5066	1.57525	2.13E+01	2.91E+00	1.39E-04	2.64E-01	3.76E-01	2.48E-01	1.07E+01	1.07E+01	2.50E+01
362	489338.17	3859871.48	3.07215	1.61382	1.43446	5.87653	1.419	2.568	1.5685	1.61382	2.14E+01	2.98E+00	1.49E-04	2.07E-01	4.45E-01	2.41E-01	1.11E+01	1.10E+01	2.54E+01
363	489388.17	3859871.48	3.01268	1.66632	1.43861	4.9701	1.491	2.561	1.6376	1.66632	2.10E+01	3.08E+00	1.50E-04	1.75E-01	4.67E-01	2.41E-01	1.16E+01	1.13E+01	2.52E+01
364	489438.17	3859871.48	2.97434	1.75283	1.6817	4.39231	1.404	2.489	1.7264	1.75283	2.07E+01	3.24E+00	1.75E-04	1.55E-01	4.40E-01	2.34E-01	1.22E+01	1.19E+01	2.51E+01
365	489488.17	3859871.48	2.95521	1.83697	1.73633	4.029	1.41	2.415	1.8032	1.83697	2.06E+01	3.39E+00	1.81E-04	1.42E-01	4.42E-01	2.27E-01	1.28E+01	1.25E+01	2.51E+01
366	489538.17	3859871.48	2.9328	1.91506	1.76562	3.97414	1.36	2.395	1.8719	1.91506	2.04E+01	3.54E+00	1.84E-04	1.40E-01	4.26E-01	2.25E-01	1.33E+01	1.30E+01	2.50E+01
367	489588.17	3859871.48	2.85914	1.97563	1.64387	3.90176	1.259	2.324	1.9373	1.97563	1.99E+01	3.65E+00	1.71E-04	1.37E-01	3.94E-01	2.18E-01	1.37E+01	1.34E+01	2.46E+01
368	489238.17	3859921.48	3.25713	1.50118	1.11348	10.09367	0.966	2.799	1.4095	1.50118	2.27E+01	2.77E+00	1.16E-04	3.55E-01	3.03E-01	2.63E-01	9.99E+00	1.02E+01	2.62E+01
369	489288.17	3859921.48	3.23855	1.53339	1.21782	7.33167	1.082	2.716	1.4372	1.53339	2.26E+01	2.83E+00	1.27E-04	2.58E-01	3.39E-01	2.55E-01	1.02E+01	1.04E+01	2.60E+01
370	489338.17	3859921.48	3.27023	1.56409	1.39105	5.7684	1.238	2.662	1.4731	1.56409	2.28E+01	2.89E+00	1.45E-04	2.03E-01	3.88E-01	2.50E-01	1.04E+01	1.06E+01	2.63E+01
371	489388.17	3859921.48	3.24048	1.61071	1.43043	4.79298	1.447	2.571	1.5328	1.61071	2.26E+01	2.97E+00	1.49E-04	1.69E-01	4.53E-01	2.42E-01	1.09E+01	1.10E+01	2.63E+01
372	489438.17	3859921.48	3.14466	1.66285	1.43497	4.16775	1.432	2.464	1.6012	1.66285	2.19E+01	3.07E+00	1.49E-04	1.47E-01	4.49E-01	2.32E-01	1.13E+01	1.13E+01	2.59E+01
373	489488.17	3859921.48	3.10604	1.70059	1.54563	3.86221	1.395	2.394	1.6787	1.70059	2.17E+01	3.14E+00	1.61E-04	1.36E-01	4.37E-01	2.25E-01	1.19E+01	1.16E+01	2.59E+01
374	489538.17	3859921.48	3.08142	1.75359	1.50854	3.80274	1.391	2.332	1.7492	1.75359	2.15E+01	3.24E+00	1.57E-04	1.34E-01	4.36E-01	2.19E-01	1.24E+01	1.19E+01	2.60E+01
375	489588.17	3859921.48	2.99441	1.81244	1.61412	3.71519	1.287	2.303	1.7946	1.81244	2.09E+01	3.35E+00	1.68E-04	1.31E-01	4.03E-01	2.16E-01	1.27E+01	1.23E+01	2.54E+01
376	489238.17	3859971.48	3.66787	1.46679	1.04594	9.96138	0.883	2.811	1.3466	1.46679	2.56E+01	2.71E+00	1.09E-04	3.51E-01	2.77E-01	2.64E-01	9.54E+00	9.97E+00	2.87E+01
377	489288.17	3859971.48	3.57127	1.49218	1.18819	7.25189	0.98	2.738	1.3771	1.49218	2.49E+01	2.76E+00	1.24E-04	2.55E-01	3.07E-01	2.57E-01	9.76E+00	1.01E+01	2.81E+01
378	489338.17	3859971.48	3.4162	1.5236	1.16829	5.64066	1.113	2.71	1.4144	1.5236	2.38E+01	2.81E+00	1.22E-04	1.99E-01	3.49E-01	2.55E-01	1.00E+01	1.04E+01	2.71E+01
379	489388.17	3859971.48	3.29276	1.55328	1.12865	4.5737	1.283	2.558	1.4595	1.55328	2.30E+01	2.87E+00	1.17E-04	1.61E-01	4.02E-01	2.40E-01	1.03E+01	1.06E+01	2.64E+01
380	489438.17	3859971.48	3.16262	1.57183	1.30641	3.88088	1.462	2.368	1.4952	1.57183	2.20E+01	2.90E+00	1.36E-04	1.37E-01	4.58E-01	2.23E-01	1.06E+01	1.07E+01	2.57E+01
381	489488.17	3859971.48	3.10653	1.5818	1.2301	3.37357	1.383	2.22	1.5279	1.5818	2.17E+01	2.92E+00	1.28E-04	1.19E-01	4.33E-01	2.09E-01	1.08E+01	1.08E+01	2.54E+01
382	489538.17	3859971.48	3.05699	1.58916	1.37715	3.19014	1.394	2.21	1.552	1.58916	2.13E+01	2.94E+00	1.43E-04	1.12E-01	4.37E-01	2.08E-01	1.10E+01	1.08E+01	2.52E+01
383	489588.17	3859971.48	3.01481	1.56899	1.35016	3.01978	1.355	2.128	1.5705	1.56899	2.10E+01	2.90E+00	1.41E-04	1.06E-01	4.25E-01	2.00E-01	1.11E+01	1.07E+01	2.51E+01
384	483577.7	3854071	2.56563	1.4504	0.41256	6.01819	0.383	4.302	2.6658	1.4504	1.79E+01	2.68E+00	4.30E-05	2.12E-01	1.20E-01	4.04E-01	1.89E+01	9.86E+00	3.03E+01
385	483627.7	3854071	2.37867	1.36416	0.4156	5.32828	0.393	3.946	2.5144	1.36416	1.66E+01	2.52E+00	4.33E-05	1.88E-01	1.23E-01	3.71E-01	1.78E+01	9.28E+00	2.83E+01
386	483677.7	3854071	2.17995	1.2602	0.4024	4.72727	0.391	3.565	2.3641	1.2602	1.52E+01	2.33E+00	4.19E-05	1.66E-01	1.22E-01	3.35E-01	1.68E+01	8.57E+00	2.63E+01
387	483727.7	3854071	2.07089	1.19348	0.38849	4.29983	0.367	3.219	2.2521	1.19348	1.44E+01	2.20E+00	4.04E-05	1.51E-01	1.15E-01	3.03E-01	1.60E+01	8.12E+00	2.51E+01
388	483777.7	3854071	2.00437	1.08559	0.37683	3.88468	0.358	2.868	2.0671	1.08559	1.40E+01	2.01E+00	3.92E-05	1.37E-01	1.12E-01	2.70E-01	1.46E+01	7.38E+00	2.38E+01
389	483577.7	3854121	2.6353	1.46054	0.45167	7.3161	0.374	4.786	2.9797	1.46054	1.84E+01	2.70E+00	4.70E-05	2.57E-01	1.17E-01	4.50E-01	2.11E+01	9.93E+00	3.31E+01
390	483627.7	3854121	2.50953	1.34486	0.44692	6.27856	0.385	4.34	2.7129	1.34486	1.75E+01	2.48E+00	4.65E-05	2.21E-01	1.21E-01	4.08E-01	1.92E+01	9.14E+00	3.08E+01
391	483677.7	3854121	2.3833	1.20993	0.42616	5.33289	0.395	3.775	2.5426	1.20993	1.66E+01	2.23E+00	4.44E-05	1.88E-01	1.24E-01	3.55E-01	1.80E+01	8.23E+00	2.93E+01
392	483727.7	3854121	2.22273	1.08009	0.45172	4.6931	0.401	3.354	2.3184	1.08009	1.55E+01	1.99E+00	4.70E-05	1.65E-01	1.26E-01	3.15E-01	1.64E+01	7.34E+00	2.72E+01
393	483777.7	3854121	2.10863	1.01667	0.40621	4.2148	0.368	3.047	2.1796	1.01667	1.47E+01	1.88E+00	4.23E-05	1.48E-01	1.15E-01	2.86E-01	1.54E+01	6.91E+00	2.57E+01
394	483577.7	3854171	2.73564	1.38066	0.49568	9.29808	0.406	5.189	3.135	1.38066	1.91E+01	2.55E+00	5.16E-05	3.27E-01	1.27E-01	4.88E-01	2.22E+01	9.39E+00	3.54E+01
395	483627.7	3854171	2.61262	1.22552	0.4763	7.2203	0.379	4.371	2.8083	1.22552	1.82E+01	2.26E+00	4.96E-05	2.54E-01	1.19E-01	4.11E-01	1.99E+01	8.33E+00	3.28E+01
396	483677.7	3854171	2.48053	1.10409	0.47946	6.09249	0.386	3.867	2.5879	1.10409	1.73E+01	2.04E+00	4.99E-05	2.14E-01	1.21E-01	3.64E-01	1.83E+01	7.51E+00	3.09E+01
397	483727.7	3854171	2.37543	1.02521	0.46818	5.40346	0.389	3.502	2.4281	1.02521	1.66E+01	1.89E+00	4.87E-05	1.90E-01	1.22E-01	3.29E-01	1.72E+01	6.97E+00	2.93E+01
398	483777.7	3854171	2.26586	0.93851	0.47403	4.71461	0.379	3.105	2.2816	0.93851	1.58E+01	1.73E+00	4.93E-05	1.66E-01	1.19E-01	2.92E-01	1.62E+01	6.38E+00	2.79E+01
399	483827.7	3854171	2.16065	0.85881	0.57065	3.99095	0.373	2.677	2.114	0.85881	1.51E+01	1.59E+00	5.94E-05	1.40E-01	1.17E-01	2.52E-01	1.50E+01	5.84E+00	2.63E+01
400	483877.7	3854171	2.10061	0.78342	0.65422	3.58632	0.371	2.474	2.0113	0.78342	1.46E+01	1.45E+00	6.81E-05	1.26E-01	1.16E-01	2.33E-01	1.43E+01	5.33E+00	2.55E+01
401	483727.7	3854221	2.46005	0.98937	0.51598	6.38379	0.388	3.853	2.6221	0.98937	1.72E+01	1.83E+00	5.37E-05	2.25E-01	1.21E-01	3.62E-01	1.86E+01	6.73E+00	3.15E+01
402	483777.7	3854221	2.36971	0.88932	0.59013	5.55058	0.391	3.363	2.3664	0.88932	1.65E+01	1.64E+00	6.14E-05	1.95E-01	1.22E-01	3.16E-01	1.68E+01	6.05E+00	2.95E+01
403	483827.7	3854221	2.28214	0.85886	0.68383	5.07283	0.383	3.183	2.3157	0.85886	1.59E+01	1.59E+00	7.12E-05	1.79E-01	1.20E-01	2.99E-01	1.64E+01	5.84E+00	2.87E+01
404	483877.7	3854221	2.21593	0.79868	0.73529	4.36225	0.381	2.812	2.1579	0.79868	1.54E+01	1.48E+00	7.65E-05	1.54E-01	1.19E-01	2.64E-01	1.53E+01	5.43E+00	2.73E+01
405	489150.19	3858726.45	3.82558	2.89767	2.41993	13.51665	3.487	6.983	2.8623	2.89767	2.67E+01	5.35E+00	2.52E-04	4.76E-01	1.09E+00	6.56E-01	2.03E+01	1.97E+01	3.48E+01
406	489200.19	3858726.45	3.71488	2.75608	2.40481	19.59498	3.433	6.476	2.7244	2.75608	2.59E+01	5.09E+00	2.50E-04	6.90E-01	1.08E+00	6.09E-01	1.93E+01	1.87E+01	3.39E+01
407	489150.19	3858776.45	3.83623	3.18484	2.11867	15.55596	3.663	7.695	3.1271	3.18484	2.67E+01	5.88E+00	2.21E-04	5.48E-01	1.15E+00	7.23E-01	2.22E+01	2.17E+01	3.55E+01
408	489200.19	3858776.45	3.7323	3.02722	2.1125	21.10444	3.114	7.067	2.9544	3.02722	2.60E+01	5.59E+00	2.20E-04	7.43E-01	9.76E-01	6.64E-01	2.09E+01	2.06E+01	3.43E+01
409	488919.6	3856400.76	2.14416	0.60033	1.3187	1.54656	12.17	1.311	0.9087	0.60033	1.49E+01	1.11E+00	1.37E-04	5.44E-02	3.81E+00	1.23E-01	6.44E+00	4.08E+00	2.24E+01

410	488919.6	3856450.76	2.16983	0.61112	1.36206	1.56404	14.03	1.339	0.9198	0.61112	1.51E+01	1.13E+00	1.42E-04	5.50E-02	4.40E+00	1.26E-01	6.52E+00	4.16E+00	2.32E+01
411	488969.6	3856450.76	2.1562	0.60572	1.4146	1.54339	13.85	1.311	0.9164	0.60572	1.50E+01	1.12E+00	1.47E-04	5.43E-02	4.34E+00	1.23E-01	6.49E+00	4.12E+00	2.30E+01
412	488919.6	3856500.76	2.19764	0.61761	1.40097	1.60793	15.75	1.362	0.9274	0.61761	1.53E+01	1.14E+00	1.46E-04	5.66E-02	4.93E+00	1.28E-01	6.57E+00	4.20E+00	2.40E+01
413	488969.6	3856500.76	2.18143	0.61635	1.41348	1.59128	16.33	1.332	0.9256	0.61635	1.52E+01	1.14E+00	1.47E-04	5.60E-02	5.12E+00	1.25E-01	6.56E+00	4.19E+00	2.40E+01
414	488919.6	3856550.76	2.19755	0.63235	1.41943	1.63785	17.66	1.375	0.9362	0.63235	1.53E+01	1.17E+00	1.48E-04	5.76E-02	5.53E+00	1.29E-01	6.63E+00	4.30E+00	2.45E+01
415	488969.6	3856550.76	2.17841	0.62643	1.42522	1.62149	17.49	1.357	0.9308	0.62643	1.52E+01	1.16E+00	1.48E-04	5.71E-02	5.48E+00	1.28E-01	6.59E+00	4.26E+00	2.43E+01
416	488819.6	3856600.76	2.24035	0.65737	1.54589	1.72633	20.5	1.446	0.9607	0.65737	1.56E+01	1.21E+00	1.61E-04	6.08E-02	6.42E+00	1.36E-01	6.81E+00	4.47E+00	2.58E+01
417	488869.6	3856600.76	2.2187	0.65035	1.51983	1.6989	20.55	1.429	0.9541	0.65035	1.55E+01	1.20E+00	1.58E-04	5.98E-02	6.44E+00	1.34E-01	6.76E+00	4.42E+00	2.56E+01
418	488919.6	3856600.76	2.19725	0.64772	1.47485	1.66052	20.14	1.408	0.9491	0.64772	1.53E+01	1.20E+00	1.54E-04	5.84E-02	6.31E+00	1.32E-01	6.72E+00	4.40E+00	2.53E+01
419	488819.6	3856650.76	2.23624	0.67585	1.54758	1.74586	23.5	1.476	0.9684	0.67585	1.56E+01	1.25E+00	1.61E-04	6.14E-02	7.36E+00	1.39E-01	6.86E+00	4.60E+00	2.67E+01
420	488869.6	3856650.76	2.21815	0.67011	1.54378	1.72217	22.64	1.453	0.961	0.67011	1.55E+01	1.24E+00	1.61E-04	6.06E-02	7.09E+00	1.37E-01	6.81E+00	4.56E+00	2.62E+01
421	488819.6	3856700.76	2.2692	0.69548	1.52134	1.77881	25.18	1.51	0.9768	0.69548	1.58E+01	1.28E+00	1.58E-04	6.26E-02	7.89E+00	1.42E-01	6.92E+00	4.73E+00	2.74E+01
422	488869.6	3856700.76	2.24569	0.68976	1.45841	1.74819	24.83	1.504	0.9688	0.68976	1.57E+01	1.27E+00	1.52E-04	6.15E-02	7.78E+00	1.41E-01	6.86E+00	4.69E+00	2.71E+01
423	488819.6	3856750.76	2.28818	0.71739	1.56941	1.82021	26.34	1.547	0.9959	0.71739	1.60E+01	1.32E+00	1.63E-04	6.41E-02	8.25E+00	1.45E-01	7.06E+00	4.88E+00	2.79E+01
424	488869.6	3856750.76	2.26261	0.71428	1.43999	1.78187	25.54	1.579	0.9796	0.71428	1.58E+01	1.32E+00	1.50E-04	6.27E-02	8.00E+00	1.48E-01	6.94E+00	4.86E+00	2.74E+01
425	488819.6	3857050.76	2.39222	0.84952	1.64337	2.1583	30.51	1.896	1.1279	0.84952	1.67E+01	1.57E+00	1.71E-04	7.60E-02	9.56E+00	1.78E-01	7.99E+00	5.78E+00	3.03E+01
426	488869.6	3857050.76	2.35957	0.84561	1.63957	2.12233	29.27	1.877	1.1121	0.84561	1.65E+01	1.56E+00	1.71E-04	7.47E-02	9.17E+00	1.76E-01	7.88E+00	5.75E+00	2.96E+01
427	488919.6	3857050.76	2.32893	0.83975	1.64099	2.08833	28.39	1.851	1.0945	0.83975	1.62E+01	1.55E+00	1.71E-04	7.35E-02	8.89E+00	1.74E-01	7.76E+00	5.71E+00	2.90E+01
428	488819.6	3857100.76	2.41347	0.87751	1.61081	2.19466	31.56	1.952	1.1429	0.87751	1.68E+01	1.62E+00	1.68E-04	7.72E-02	9.89E+00	1.83E-01	8.10E+00	5.97E+00	3.07E+01
429	488869.6	3857100.76	2.38879	0.87107	1.53716	2.15714	30.52	1.929	1.1288	0.87107	1.67E+01	1.61E+00	1.60E-04	7.59E-02	9.56E+00	1.81E-01	8.00E+00	5.92E+00	3.02E+01
430	488919.6	3857100.76	2.36376	0.87108	1.57104	2.12044	29.43	1.928	1.1129	0.87108	1.65E+01	1.61E+00	1.64E-04	7.46E-02	9.22E+00	1.81E-01	7.89E+00	5.92E+00	2.95E+01
431	488819.6	3857150.76	2.45064	0.91051	1.43955	2.24466	32.15	2.051	1.1635	0.91051	1.71E+01	1.68E+00	1.50E-04	7.90E-02	1.01E+01	1.93E-01	8.24E+00	6.19E+00	3.12E+01
432	488869.6	3857150.76	2.41446	0.90899	1.45535	2.19728	30.44	2.031	1.1443	0.90899	1.68E+01	1.68E+00	1.52E-04	7.73E-02	9.54E+00	1.91E-01	8.11E+00	6.18E+00	3.02E+01
433	488919.6	3857150.76	2.38425	0.90518	1.50833	2.15695	29.25	1.988	1.1268	0.90518	1.66E+01	1.67E+00	1.57E-04	7.59E-02	9.16E+00	1.87E-01	7.98E+00	6.16E+00	2.95E+01
434	488969.6	3857150.76	2.35957	0.90197	1.60727	2.12057	28.1	1.953	1.1103	0.90197	1.65E+01	1.67E+00	1.67E-04	7.46E-02	8.80E+00	1.84E-01	7.87E+00	6.13E+00	2.89E+01
435	488819.6	3857200.76	2.50129	0.94325	1.54104	2.33693	33.4	2.125	1.1826	0.94325	1.74E+01	1.74E+00	1.60E-04	8.23E-02	1.05E+01	2.00E-01	8.38E+00	6.41E+00	3.19E+01
436	488869.6	3857200.76	2.47069	0.94562	1.5787	2.27575	31.86	2.099	1.1617	0.94562	1.72E+01	1.75E+00	1.64E-04	8.01E-02	9.98E+00	1.97E-01	8.23E+00	6.43E+00	3.10E+01
437	488919.6	3857200.76	2.43515	0.9403	1.5992	2.19612	30.37	2.053	1.1425	0.9403	1.70E+01	1.74E+00	1.66E-04	7.73E-02	9.52E+00	1.93E-01	8.10E+00	6.39E+00	3.02E+01
438	488969.6	3857200.76	2.40174	0.93008	1.68493	2.15817	28.84	2.004	1.1239	0.93008	1.67E+01	1.72E+00	1.75E-04	7.60E-02	9.04E+00	1.88E-01	7.96E+00	6.32E+00	2.94E+01
439	488819.6	3857250.76	2.53261	0.96467	1.59432	2.38123	32.72	2.206	1.2034	0.96467	1.77E+01	1.78E+00	1.66E-04	8.38E-02	1.03E+01	2.07E-01	8.53E+00	6.56E+00	3.19E+01
440	488869.6	3857250.76	2.50353	0.96013	1.6775	2.33698	30.89	2.15	1.1812	0.96013	1.75E+01	1.77E+00	1.75E-04	8.23E-02	9.68E+00	2.02E-01	8.37E+00	6.53E+00	3.10E+01
441	488919.6	3857250.76	2.47582	0.95963	1.80022	2.29361	29.74	2.114	1.1598	0.95963	1.73E+01	1.77E+00	1.87E-04	8.07E-02	9.32E+00	1.99E-01	8.22E+00	6.53E+00	3.03E+01
442	488969.6	3857250.76	2.44953	0.95705	2.0057	2.22265	28.59	2.088	1.1406	0.95705	1.71E+01	1.77E+00	2.09E-04	7.82E-02	8.96E+00	1.96E-01	8.08E+00	6.51E+00	2.97E+01
443	488819.6	3857300.76	2.56376	0.97973	1.80415	2.42751	31.28	2.259	1.2256	0.97973	1.79E+01	1.81E+00	1.88E-04	8.54E-02	9.80E+00	2.12E-01	8.68E+00	6.66E+00	3.18E+01
444	488869.6	3857300.76	2.53389	0.97313	2.07878	2.38708	30.09	2.232	1.2017	0.97313	1.77E+01	1.80E+00	2.16E-04	8.40E-02	9.43E+00	2.10E-01	8.51E+00	6.62E+00	3.11E+01
445	488919.6	3857300.76	2.50488	0.96702	2.21861	2.35287	29	2.217	1.1785	0.96702	1.75E+01	1.79E+00	2.31E-04	8.28E-02	9.09E+00	2.08E-01	8.35E+00	6.58E+00	3.04E+01
446	488819.6	3857450.76	2.67206	1.04486	2.88156	2.63711	29.29	2.734	1.3014	1.04486	1.86E+01	1.93E+00	3.00E-04	9.28E-02	9.18E+00	2.57E-01	9.22E+00	7.10E+00	3.22E+01
447	488869.6	3857450.76	2.63584	1.03205	2.96057	2.60102	28.31	2.645	1.272	1.03205	1.84E+01	1.91E+00	3.08E-04	9.15E-02	8.87E+00	2.49E-01	9.01E+00	7.02E+00	3.15E+01
448	488919.6	3857450.76	2.59932	1.02208	2.98258	2.56554	27.32	2.604	1.2446	1.02208	1.81E+01	1.89E+00	3.11E-04	9.03E-02	8.56E+00	2.45E-01	8.82E+00	6.95E+00	3.08E+01
449	488819.6	3857500.76	2.72246	1.07126	3.32595	2.72803	29.69	2.8	1.3278	1.07126	1.90E+01	1.98E+00	3.46E-04	9.60E-02	9.30E+00	2.63E-01	9.41E+00	7.28E+00	3.27E+01
450	488869.6	3857500.76	2.67832	1.05887	3.39707	2.67859	28.22	2.746	1.3014	1.05887	1.87E+01	1.96E+00	3.54E-04	9.43E-02	8.84E+00	2.58E-01	9.22E+00	7.20E+00	3.18E+01
451	488919.6	3857500.76	2.63856	1.04798	3.30439	2.63032	26.91	2.704	1.2729	1.04798	1.84E+01	1.94E+00	3.44E-04	9.26E-02	8.43E+00	2.54E-01	9.02E+00	7.13E+00	3.10E+01
452	488819.6	3857550.76	2.7825	1.09753	3.59706	2.85056	28.05	2.936	1.3488	1.09753	1.94E+01	2.03E+00	3.74E-04	1.00E-01	8.79E+00	2.76E-01	9.56E+00	7.46E+00	3.27E+01
453	488869.6	3857550.76	2.72247	1.08532	3.79606	2.78902	26.88	2.895	1.3336	1.08532	1.90E+01	2.00E+00	3.95E-04	9.82E-02	8.42E+00	2.72E-01	9.45E+00	7.38E+00	3.18E+01
454	488919.6	3857550.76	2.66752	1.07723	3.84254	2.69393	26.1	2.824	1.3039	1.07723	1.86E+01	1.99E+00	4.00E-04	9.48E-02	8.18E+00	2.65E-01	9.24E+00	7.33E+00	3.10E+01
455	489663.71	3860900.05	1.87529	0.83708	0.26634	2.78605	0.357	1.872	0.7762	0.83708	1.31E+01	1.55E+00	2.77E-05	9.81E-02	1.12E-01	1.76E-01	5.50E+00	5.69E+00	1.48E+01
456	489813.71	3860900.05	1.62762	0.87747	0.27237	2.4096	0.553	1.711	0.8029	0.87747	1.13E+01	1.62E+00	2.84E-05	8.48E-02	1.73E-01	1.61E-01	5.69E+00	5.97E+00	1.31E+01
457	489863.71	3860900.05	1.58564	0.89998	0.28393	2.3191	0.633	1.695	0.8112	0.89998	1.11E+01	1.66E+00	2.96E-05	8.16E-02	1.98E-01	1.59E-01	5.75E+00	6.12E+00	1.28E+01
458	489913.71	3860900.05	1.57909	0.91642	0.29532	2.21814	0.721	1.68	0.8306	0.91642	1.10E+01	1.69E+00	3.07E-05	7.81E-02	2.26E-01	1.58E-01	5.89E+00	6.23E+00	1.28E+01
459	489963.71	3860900.05	1.57356	0.94605	0.30018	2.166	0.807	1.658	0.8599	0.94605	1.10E+01	1.75E+00	3.13E-05	7.62E-02	2.53E-01	1.56E-01	6.09E+00	6.43E+00	1.29E+01
460	490013.71	3860900.05	1.55025	0.96893	0.26585	2.12549	0.843	1.635	0.88	0.96893	1.08E+01	1.79E+00	2.77E-05	7.48E-02	2.64E-01	1.54E-01	6.24E+00	6.59E+00	1.27E+01
461	490063.71	3860900.05	1.5427	0.97716	0.24204	2.10152	0.947	1.58	0.8906	0.97716	1.08E+01	1.80E+00	2.52E-05	7.40E-02	2.97E-01	1.49E-01	6.31E+00	6.64E+00	1.27E+01
462	489663.71	3860950.05	1.8449	0.8299	0.24855	2.77261	0.32	1.891	0.7592	0.8299	1.29E+01	1.53E+00	2.59E-05	9.76E-02	1.00E-01	1.78E-01	5.38E+00	5.64E+00	1.45E+01
463	489813.71	3860950.05	1.61954	0.85137	0.25616	2.40226	0.516	1.69	0.7776	0.85137	1.13E+01	1.57E+00	2.67E-05	8.46E-02	1.62E-01	1.59E-01	5.51E+00	5.79E+00	1.30E+01
464	489863.71	3860950.05	1.55311	0.85772	0.26744	2.29169	0.573	1.622	0.7816	0.85772	1.08E+01	1.58E+00	2.78E-05	8.07E-02	1.79E-01	1.52E-01	5.54E+00	5.83E+00	1.25E+01
465	489913.71	3860950.05	1.51963	0.88208	0.27765	2.19806	0.654	1.601	0.7938	0.88208	1.06E+01	1.63E+00	2.89E-05	7.74E-02	2.05E-01	1.51E-01	5.62E+00	6.00E+00	1.23E+01
466	489963.71	3860950.05	1.4932	0.89445	0.28142	2.15066	0.74	1.572	0.8037	0.89445	1.04E+01	1.65E+00	2.93E-05	7.57E-02	2.32E-01	1.48E-01	5.69E+00	6.08E+00	1.21E+01
467	490013.71	3860950.05	1.48143	0.90998	0.26343	2.09884	0.798	1.534	0.8215	0.90998	1.03E+01	1.68E+00	2.74E-05	7.39E-02	2.50E-01	1.44E-01	5.82E+00	6.19E+00	1.21E+01
468	490063.71	3860950.05	1.4606	0.92935	0.24234	2.08695	0.844	1.506	0.8387	0.92935	1.02E+01	1.72E+00	2.52E-05	7.35E-02	2.64E-01	1.42E-01	5.94E+00	6.32E+00	1.20E+01

469	489513.71	3861000.05	1.93185	0.77364	0.25304	3.46988	0.226	1.928	0.7295	0.77364	1.35E+01	1.43E+00	2.63E-05	1.22E-01	7.09E-02	1.81E-01	5.17E+00	5.26E+00	1.52E+01
470	489563.71	3861000.05	1.87155	0.78716	0.30198	3.18872	0.233	1.883	0.7333	0.78716	1.30E+01	1.45E+00	3.14E-05	1.12E-01	7.31E-02	1.77E-01	5.20E+00	5.35E+00	1.47E+01
471	489613.71	3861000.05	1.82719	0.79197	0.24059	2.97907	0.264	1.874	0.739	0.79197	1.27E+01	1.46E+00	2.50E-05	1.05E-01	8.27E-02	1.76E-01	5.24E+00	5.39E+00	1.44E+01
472	489663.71	3861000.05	1.777	0.80785	0.23518	2.78653	0.291	1.869	0.7438	0.80785	1.24E+01	1.49E+00	2.45E-05	9.81E-02	9.11E-02	1.76E-01	5.27E+00	5.49E+00	1.40E+01
473	489713.71	3861000.05	1.72467	0.81794	0.24003	2.61802	0.334	1.86	0.7476	0.81794	1.20E+01	1.51E+00	2.50E-05	9.21E-02	1.05E-01	1.75E-01	5.30E+00	5.56E+00	1.36E+01
474	489763.71	3861000.05	1.67243	0.82236	0.23285	2.49337	0.384	1.811	0.7518	0.82236	1.17E+01	1.52E+00	2.42E-05	8.78E-02	1.20E-01	1.70E-01	5.33E+00	5.59E+00	1.33E+01
475	489813.71	3861000.05	1.59757	0.82993	0.24102	2.38576	0.472	1.736	0.7588	0.82993	1.11E+01	1.53E+00	2.51E-05	8.40E-02	1.48E-01	1.63E-01	5.38E+00	5.64E+00	1.28E+01
476	489863.71	3861000.05	1.53992	0.83385	0.25253	2.28058	0.521	1.682	0.7635	0.83385	1.07E+01	1.54E+00	2.63E-05	8.03E-02	1.63E-01	1.58E-01	5.41E+00	5.67E+00	1.24E+01
477	489913.71	3861000.05	1.48522	0.84231	0.26202	2.18515	0.593	1.629	0.7756	0.84231	1.04E+01	1.56E+00	2.73E-05	7.69E-02	1.86E-01	1.53E-01	5.50E+00	5.73E+00	1.21E+01
478	489963.71	3861000.05	1.44989	0.86798	0.25947	2.14205	0.674	1.587	0.7817	0.86798	1.01E+01	1.60E+00	2.70E-05	7.54E-02	2.11E-01	1.49E-01	5.54E+00	5.90E+00	1.18E+01
479	490013.71	3861000.05	1.4275	0.89268	0.25296	2.09677	0.757	1.542	0.7958	0.89268	9.95E+00	1.65E+00	2.63E-05	7.38E-02	2.37E-01	1.45E-01	5.64E+00	6.07E+00	1.16E+01
480	490063.71	3861000.05	1.42506	0.9001	0.23841	2.06355	0.79	1.492	0.8069	0.9001	9.94E+00	1.66E+00	2.48E-05	7.26E-02	2.48E-01	1.40E-01	5.72E+00	6.12E+00	1.17E+01
481	489513.71	3861050.05	1.92083	0.7618	0.28575	3.48995	0.214	1.857	0.7167	0.7618	1.34E+01	1.41E+00	2.97E-05	1.23E-01	6.69E-02	1.75E-01	5.08E+00	5.18E+00	1.51E+01
482	489563.71	3861050.05	1.85381	0.76507	0.27573	3.20286	0.22	1.824	0.7201	0.76507	1.29E+01	1.41E+00	2.87E-05	1.13E-01	6.89E-02	1.71E-01	5.10E+00	5.20E+00	1.46E+01
483	489613.71	3861050.05	1.80759	0.78001	0.23526	2.98243	0.241	1.836	0.7266	0.78001	1.26E+01	1.44E+00	2.45E-05	1.05E-01	7.56E-02	1.73E-01	5.15E+00	5.30E+00	1.42E+01
484	489663.71	3861050.05	1.74966	0.78174	0.22554	2.78576	0.269	1.843	0.7289	0.78174	1.22E+01	1.44E+00	2.35E-05	9.80E-02	8.42E-02	1.73E-01	5.16E+00	5.32E+00	1.38E+01
485	489713.71	3861050.05	1.68682	0.7951	0.2261	2.61428	0.3	1.833	0.7321	0.7951	1.18E+01	1.47E+00	2.35E-05	9.20E-02	9.39E-02	1.72E-01	5.19E+00	5.41E+00	1.34E+01
486	489763.71	3861050.05	1.63382	0.80687	0.2188	2.47036	0.349	1.819	0.7384	0.80687	1.14E+01	1.49E+00	2.28E-05	8.69E-02	1.09E-01	1.71E-01	5.23E+00	5.49E+00	1.30E+01
487	489813.71	3861050.05	1.58025	0.81489	0.22699	2.36617	0.403	1.8	0.7449	0.81489	1.10E+01	1.51E+00	2.36E-05	8.33E-02	1.26E-01	1.69E-01	5.28E+00	5.54E+00	1.26E+01
488	489863.71	3861050.05	1.52244	0.82002	0.23819	2.26907	0.487	1.73	0.7483	0.82002	1.06E+01	1.51E+00	2.48E-05	7.99E-02	1.53E-01	1.63E-01	5.30E+00	5.58E+00	1.22E+01
489	489913.71	3861050.05	1.46154	0.82707	0.2475	2.16859	0.537	1.655	0.7566	0.82707	1.02E+01	1.53E+00	2.58E-05	7.63E-02	1.68E-01	1.56E-01	5.36E+00	5.62E+00	1.19E+01
490	489963.71	3861050.05	1.41471	0.83465	0.24793	2.13117	0.612	1.611	0.7665	0.83465	9.86E+00	1.54E+00	2.58E-05	7.50E-02	1.92E-01	1.51E-01	5.43E+00	5.68E+00	1.16E+01
491	490013.71	3861050.05	1.38881	0.85546	0.24224	2.09134	0.693	1.579	0.7771	0.85546	9.68E+00	1.58E+00	2.52E-05	7.36E-02	2.17E-01	1.48E-01	5.51E+00	5.82E+00	1.14E+01
492	490063.71	3861050.05	1.3602	0.87223	0.22805	2.04296	0.75	1.544	0.7858	0.87223	9.48E+00	1.61E+00	2.37E-05	7.19E-02	2.35E-01	1.45E-01	5.57E+00	5.93E+00	1.12E+01
493	489513.71	3861100.05	1.89998	0.75295	0.28927	3.50112	0.2	1.809	0.7061	0.75295	1.32E+01	1.39E+00	3.01E-05	1.23E-01	6.26E-02	1.70E-01	5.00E+00	5.12E+00	1.49E+01
494	489563.71	3861100.05	1.85386	0.75383	0.2713	3.20571	0.214	1.789	0.7068	0.75383	1.29E+01	1.39E+00	2.82E-05	1.13E-01	6.70E-02	1.68E-01	5.01E+00	5.13E+00	1.45E+01
495	489613.71	3861100.05	1.78804	0.75242	0.22903	2.9736	0.221	1.756	0.7071	0.75242	1.25E+01	1.39E+00	2.38E-05	1.05E-01	6.93E-02	1.65E-01	5.01E+00	5.12E+00	1.41E+01
496	489663.71	3861100.05	1.74489	0.76545	0.21858	2.77101	0.25	1.711	0.7119	0.76545	1.22E+01	1.41E+00	2.28E-05	9.75E-02	7.82E-02	1.61E-01	5.04E+00	5.20E+00	1.38E+01
497	489713.71	3861100.05	1.68144	0.76921	0.21327	2.60738	0.272	1.645	0.7179	0.76921	1.17E+01	1.42E+00	2.22E-05	9.18E-02	8.52E-02	1.55E-01	5.09E+00	5.23E+00	1.33E+01
498	489763.71	3861100.05	1.61393	0.78483	0.2064	2.46776	0.313	1.603	0.7239	0.78483	1.13E+01	1.45E+00	2.15E-05	8.69E-02	9.81E-02	1.51E-01	5.13E+00	5.34E+00	1.28E+01
499	489813.71	3861100.05	1.55264	0.79921	0.21436	2.35531	0.358	1.633	0.7313	0.79921	1.08E+01	1.48E+00	2.23E-05	8.29E-02	1.12E-01	1.53E-01	5.18E+00	5.43E+00	1.24E+01
500	489863.71	3861100.05	1.49571	0.81037	0.22478	2.26209	0.431	1.636	0.7383	0.81037	1.04E+01	1.50E+00	2.34E-05	7.96E-02	1.35E-01	1.54E-01	5.23E+00	5.51E+00	1.20E+01
501	489913.71	3861100.05	1.42881	0.81545	0.23407	2.17416	0.492	1.617	0.7406	0.81545	9.96E+00	1.51E+00	2.44E-05	7.65E-02	1.54E-01	1.52E-01	5.25E+00	5.54E+00	1.16E+01
502	489963.71	3861100.05	1.37284	0.82348	0.24083	2.10713	0.556	1.598	0.7501	0.82348	9.57E+00	1.52E+00	2.51E-05	7.42E-02	1.74E-01	1.50E-01	5.31E+00	5.60E+00	1.12E+01
503	490013.71	3861100.05	1.34366	0.83085	0.23172	2.0637	0.631	1.551	0.7592	0.83085	9.37E+00	1.53E+00	2.41E-05	7.26E-02	1.98E-01	1.46E-01	5.38E+00	5.65E+00	1.10E+01
504	490063.71	3861100.05	1.32242	0.84771	0.21625	2.01967	0.709	1.511	0.7692	0.84771	9.22E+00	1.57E+00	2.25E-05	7.11E-02	2.22E-01	1.42E-01	5.45E+00	5.76E+00	1.09E+01
505	489713.71	3861150.05	1.68055	0.75677	0.2074	2.60516	0.252	1.624	0.7107	0.75677	1.17E+01	1.40E+00	2.16E-05	9.17E-02	7.89E-02	1.53E-01	5.04E+00	5.15E+00	1.33E+01
506	489763.71	3861150.05	1.59546	0.76227	0.19574	2.46659	0.281	1.589	0.718	0.76227	1.11E+01	1.41E+00	2.04E-05	8.68E-02	8.82E-02	1.49E-01	5.09E+00	5.18E+00	1.28E+01
507	489813.71	3861150.05	1.53741	0.78049	0.20316	2.35261	0.326	1.529	0.7259	0.78049	1.07E+01	1.44E+00	2.12E-05	8.28E-02	1.02E-01	1.44E-01	5.14E+00	5.31E+00	1.23E+01
508	489863.71	3861150.05	1.48273	0.79442	0.21221	2.25308	0.374	1.486	0.7324	0.79442	1.03E+01	1.47E+00	2.21E-05	7.93E-02	1.17E-01	1.40E-01	5.19E+00	5.40E+00	1.19E+01
509	489913.71	3861150.05	1.42973	0.80397	0.22164	2.17231	0.457	1.476	0.7372	0.80397	9.97E+00	1.48E+00	2.31E-05	7.65E-02	1.43E-01	1.39E-01	5.22E+00	5.47E+00	1.16E+01
510	489963.71	3861150.05	1.36313	0.81058	0.22789	2.09358	0.503	1.505	0.7422	0.81058	9.50E+00	1.50E+00	2.37E-05	7.37E-02	1.58E-01	1.41E-01	5.26E+00	5.51E+00	1.11E+01
511	490013.71	3861150.05	1.30169	0.81811	0.21634	2.04129	0.573	1.521	0.7525	0.81811	9.08E+00	1.51E+00	2.25E-05	7.18E-02	1.79E-01	1.43E-01	5.33E+00	5.56E+00	1.07E+01
512	490063.71	3861150.05	1.28132	0.82843	0.20604	2.00109	0.648	1.485	0.765	0.82843	8.93E+00	1.53E+00	2.15E-05	7.04E-02	2.03E-01	1.40E-01	5.42E+00	5.63E+00	1.07E+01
513	489613.71	3861200.05	1.72624	0.73303	0.26048	2.96328	0.202	1.619	0.6865	0.73303	1.20E+01	1.35E+00	2.71E-05	1.04E-01	6.32E-02	1.52E-01	4.86E+00	4.98E+00	1.36E+01
514	489663.71	3861200.05	1.67797	0.73453	0.21373	2.7675	0.21	1.596	0.693	0.73453	1.17E+01	1.36E+00	2.23E-05	9.74E-02	6.59E-02	1.50E-01	4.91E+00	4.99E+00	1.33E+01
515	489713.71	3861200.05	1.67121	0.73692	0.19897	2.60379	0.235	1.574	0.6999	0.73692	1.17E+01	1.36E+00	2.07E-05	9.16E-02	7.36E-02	1.48E-01	4.96E+00	5.01E+00	1.33E+01
516	489763.71	3861200.05	1.606	0.75099	0.18667	2.46424	0.255	1.566	0.707	0.75099	1.12E+01	1.39E+00	1.94E-05	8.67E-02	7.99E-02	1.47E-01	5.01E+00	5.11E+00	1.28E+01
517	489813.71	3861200.05	1.53209	0.75684	0.19285	2.34528	0.294	1.513	0.7148	0.75684	1.07E+01	1.40E+00	2.01E-05	8.25E-02	9.22E-02	1.42E-01	5.06E+00	5.15E+00	1.23E+01
518	489863.71	3861200.05	1.4772	0.77731	0.20093	2.25195	0.336	1.468	0.724	0.77731	1.03E+01	1.44E+00	2.09E-05	7.93E-02	1.05E-01	1.38E-01	5.13E+00	5.29E+00	1.19E+01
519	489913.71	3861200.05	1.42724	0.79079	0.21034	2.16412	0.394	1.428	0.7284	0.79079	9.95E+00	1.46E+00	2.19E-05	7.62E-02	1.23E-01	1.34E-01	5.16E+00	5.38E+00	1.15E+01
520	489963.71	3861200.05	1.36048	0.80066	0.21569	2.08628	0.465	1.403	0.7327	0.80066	9.48E+00	1.48E+00	2.25E-05	7.34E-02	1.46E-01	1.32E-01	5.19E+00	5.44E+00	1.11E+01
521	490013.71	3861200.05	1.29276	0.80881	0.20111	2.0267	0.521	1.386	0.7395	0.80881	9.01E+00	1.49E+00	2.09E-05	7.13E-02	1.63E-01	1.30E-01	5.24E+00	5.50E+00	1.06E+01
522	490063.71	3861200.05	1.24376	0.81665	0.19759	1.98239	0.59	1.347	0.7493	0.81665	8.67E+00	1.51E+00	2.06E-05	6.98E-02	1.85E-01	1.27E-01	5.31E+00	5.55E+00	1.03E+01
523	489513.71	3861250.05	1.68852	0.71106	0.27201	3.44444	0.199	1.525	0.6637	0.71106	1.18E+01	1.31E+00	2.83E-05	1.21E-01	6.25E-02	1.43E-01	4.70E+00	4.84E+00	1.33E+01
524	489563.71	3861250.05	1.70741	0.72098	0.25006	3.17349	0.187	1.512	0.6707	0.72098	1.19E+01	1.33E+00	2.60E-05	1.12E-01	5.85E-02	1.42E-01	4.75E+00	4.90E+00	1.34E+01
525	489613.71	3861250.05	1.66608	0.72576	0.24722	2.96796	0.19	1.51	0.6769	0.72576	1.16E+01	1.34E+00	2.57E-05	1.04E-01	5.95E-02	1.42E-01	4.80E+00	4.94E+00	1.31E+01
526	489663.71	3861250.05	1.6184	0.72972	0.23584	2.77025	0.199	1.505	0.683	0.72972	1.13E+01	1.35E+00	2.46E-05	9.75E-02	6.23E-02	1.41E-01	4.84E+00	4.96E+00	1.28E+01
527	489713.71	3861250.05	1.58918	0.73688	0.19396	2.60364	0.213	1.509	0.6898	0.73688	1.11E+01	1.36E+00	2.02E-05	9.16E-02	6.69E-02	1.42E-01	4.89E+00	5.01E+00	1.26E+01

528	489763.71	3861250.05	1.59619	0.73879	0.18249	2.46401	0.236	1.485	0.6968	0.73879	1.11E+01	1.36E+00	1.90E-05	8.67E-02	7.41E-02	1.40E-01	4.94E+00	5.02E+00	1.27E+01
529	489813.71	3861250.05	1.52761	0.75288	0.18344	2.34398	0.265	1.452	0.7041	0.75288	1.07E+01	1.39E+00	1.91E-05	8.25E-02	8.29E-02	1.36E-01	4.99E+00	5.12E+00	1.22E+01
530	489863.71	3861250.05	1.47238	0.75858	0.19041	2.24713	0.304	1.393	0.7116	0.75858	1.03E+01	1.40E+00	1.98E-05	7.91E-02	9.51E-02	1.31E-01	5.04E+00	5.16E+00	1.19E+01
531	489913.71	3861250.05	1.42099	0.78065	0.19885	2.16079	0.351	1.331	0.7193	0.78065	9.91E+00	1.44E+00	2.07E-05	7.61E-02	1.10E-01	1.25E-01	5.10E+00	5.31E+00	1.14E+01
532	489963.71	3861250.05	1.36623	0.79482	0.20478	2.0835	0.419	1.308	0.7248	0.79482	9.52E+00	1.47E+00	2.13E-05	7.33E-02	1.31E-01	1.23E-01	5.14E+00	5.40E+00	1.11E+01
533	490013.71	3861250.05	1.30229	0.80631	0.18688	2.00692	0.472	1.303	0.7305	0.80631	9.08E+00	1.49E+00	1.95E-05	7.06E-02	1.48E-01	1.23E-01	5.18E+00	5.48E+00	1.06E+01
534	490063.71	3861250.05	1.23933	0.81292	0.19	1.9594	0.538	1.286	0.7368	0.81292	8.64E+00	1.50E+00	1.98E-05	6.90E-02	1.68E-01	1.21E-01	5.22E+00	5.53E+00	1.02E+01
535	489528.13	3861308.47	1.59446	0.694	0.27053	3.35855	0.197	1.49	0.6532	0.694	1.11E+01	1.28E+00	2.82E-05	1.18E-01	6.18E-02	1.40E-01	4.63E+00	4.72E+00	1.26E+01
536	489578.13	3861308.47	1.60529	0.70866	0.21905	3.09715	0.181	1.498	0.66	0.70866	1.12E+01	1.31E+00	2.28E-05	1.09E-01	5.69E-02	1.41E-01	4.68E+00	4.82E+00	1.27E+01
537	489628.13	3861308.47	1.60791	0.71715	0.23152	2.90142	0.182	1.456	0.666	0.71715	1.12E+01	1.32E+00	2.41E-05	1.02E-01	5.72E-02	1.37E-01	4.72E+00	4.88E+00	1.27E+01
538	489678.13	3861308.47	1.55858	0.72312	0.22917	2.71728	0.19	1.451	0.6727	0.72312	1.09E+01	1.34E+00	2.39E-05	9.56E-02	5.96E-02	1.36E-01	4.77E+00	4.92E+00	1.23E+01
539	489728.13	3861308.47	1.51771	0.72546	0.20191	2.5619	0.202	1.442	0.6793	0.72546	1.06E+01	1.34E+00	2.10E-05	9.02E-02	6.32E-02	1.36E-01	4.81E+00	4.93E+00	1.21E+01
540	489778.13	3861308.47	1.51656	0.7355	0.1772	2.42641	0.223	1.426	0.6856	0.7355	1.06E+01	1.36E+00	1.84E-05	8.54E-02	6.98E-02	1.34E-01	4.86E+00	5.00E+00	1.21E+01
541	489678.13	3861358.47	1.53131	0.71466	0.21841	2.71535	0.181	1.427	0.6623	0.71466	1.07E+01	1.32E+00	2.27E-05	9.56E-02	5.67E-02	1.34E-01	4.69E+00	4.86E+00	1.21E+01
542	489728.13	3861358.47	1.4819	0.71972	0.21378	2.56065	0.191	1.428	0.6687	0.71972	1.03E+01	1.33E+00	2.23E-05	9.01E-02	5.99E-02	1.34E-01	4.74E+00	4.89E+00	1.18E+01
543	489528.13	3861408.47	1.40136	0.66075	0.24192	3.35298	0.185	1.473	0.635	0.66075	9.77E+00	1.22E+00	2.52E-05	1.18E-01	5.78E-02	1.38E-01	4.50E+00	4.49E+00	1.13E+01
544	489578.13	3861408.47	1.4533	0.67584	0.21426	3.08955	0.186	1.449	0.6409	0.67584	1.01E+01	1.25E+00	2.23E-05	1.09E-01	5.82E-02	1.36E-01	4.54E+00	4.60E+00	1.16E+01
545	489628.13	3861408.47	1.44787	0.6874	0.21536	2.9001	0.174	1.446	0.6483	0.6874	1.01E+01	1.27E+00	2.24E-05	1.02E-01	5.46E-02	1.36E-01	4.59E+00	4.67E+00	1.16E+01
546	489678.13	3861408.47	1.45416	0.70282	0.21396	2.7141	0.174	1.405	0.654	0.70282	1.01E+01	1.30E+00	2.23E-05	9.55E-02	5.44E-02	1.32E-01	4.63E+00	4.78E+00	1.16E+01
547	489728.13	3861408.47	1.44916	0.71214	0.20279	2.55859	0.181	1.392	0.6598	0.71214	1.01E+01	1.32E+00	2.11E-05	9.01E-02	5.68E-02	1.31E-01	4.67E+00	4.84E+00	1.15E+01
548	489528.13	3861458.47	1.2973	0.64911	0.21792	3.36697	0.175	1.468	0.6278	0.64911	9.04E+00	1.20E+00	2.27E-05	1.19E-01	5.49E-02	1.38E-01	4.45E+00	4.41E+00	1.06E+01
549	489578.13	3861458.47	1.35698	0.65983	0.21197	3.09406	0.183	1.435	0.6339	0.65983	9.46E+00	1.22E+00	2.21E-05	1.09E-01	5.73E-02	1.35E-01	4.49E+00	4.49E+00	1.10E+01
550	489628.13	3861458.47	1.38536	0.67383	0.21274	2.89415	0.174	1.423	0.6399	0.67383	9.66E+00	1.24E+00	2.21E-05	1.02E-01	5.44E-02	1.34E-01	4.53E+00	4.58E+00	1.11E+01
551	489678.13	3861458.47	1.37881	0.68331	0.2119	2.70741	0.172	1.401	0.6457	0.68331	9.61E+00	1.26E+00	2.21E-05	9.53E-02	5.37E-02	1.32E-01	4.58E+00	4.65E+00	1.11E+01
552	489728.13	3861458.47	1.37935	0.69913	0.19939	2.55007	0.171	1.366	0.651	0.69913	9.62E+00	1.29E+00	2.08E-05	8.98E-02	5.34E-02	1.28E-01	4.61E+00	4.75E+00	1.10E+01
553	489528.13	3861508.47	1.21134	0.63756	0.20562	3.36705	0.168	1.461	0.6212	0.63756	8.45E+00	1.18E+00	2.14E-05	1.19E-01	5.26E-02	1.37E-01	4.40E+00	4.34E+00	1.00E+01
554	489578.13	3861508.47	1.25586	0.64772	0.19738	3.08584	0.171	1.418	0.6268	0.64772	8.76E+00	1.20E+00	2.05E-05	1.09E-01	5.37E-02	1.33E-01	4.44E+00	4.40E+00	1.03E+01
555	489628.13	3861508.47	1.30826	0.65776	0.21012	2.87353	0.175	1.39	0.6327	0.65776	9.12E+00	1.21E+00	2.19E-05	1.01E-01	5.48E-02	1.31E-01	4.48E+00	4.47E+00	1.06E+01
556	489678.13	3861508.47	1.32252	0.67032	0.20966	2.69803	0.168	1.393	0.6384	0.67032	9.22E+00	1.24E+00	2.18E-05	9.50E-02	5.26E-02	1.31E-01	4.52E+00	4.56E+00	1.07E+01
557	489728.13	3861508.47	1.31606	0.67954	0.20304	2.54199	0.165	1.353	0.6446	0.67954	9.18E+00	1.26E+00	2.11E-05	8.95E-02	5.18E-02	1.27E-01	4.57E+00	4.62E+00	1.06E+01
558	489628.13	3861558.47	1.21667	0.65008	0.19832	2.86445	0.171	1.371	0.6308	0.65008	8.48E+00	1.20E+00	2.06E-05	1.01E-01	5.35E-02	1.29E-01	4.47E+00	4.42E+00	1.00E+01
559	489678.13	3861558.47	1.24854	0.66087	0.20771	2.69494	0.167	1.36	0.6372	0.66087	8.70E+00	1.22E+00	2.16E-05	9.49E-02	5.22E-02	1.28E-01	4.52E+00	4.49E+00	1.02E+01
560	489728.13	3861558.47	1.26079	0.67319	0.20204	2.54432	0.163	1.341	0.6437	0.67319	8.79E+00	1.24E+00	2.10E-05	8.96E-02	5.11E-02	1.26E-01	4.56E+00	4.58E+00	1.03E+01
561	489357.08	3861015.81	2.083	0.74676	0.34319	5.19473	0.252	2.04	0.7083	0.74676	1.45E+01	1.38E+00	3.57E-05	1.83E-01	7.88E-02	1.92E-01	5.02E+00	5.08E+00	1.63E+01
562	489407.08	3861015.81	2.03788	0.75715	0.3072	4.36439	0.227	1.982	0.7131	0.75715	1.42E+01	1.40E+00	3.20E-05	1.54E-01	7.12E-02	1.86E-01	5.05E+00	5.15E+00	1.59E+01
563	489457.08	3861015.81	2.00658	0.76119	0.29717	3.86311	0.206	1.933	0.7183	0.76119	1.40E+01	1.41E+00	3.09E-05	1.36E-01	6.46E-02	1.82E-01	5.09E+00	5.18E+00	1.57E+01
564	489357.08	3861065.81	1.99516	0.72831	0.33453	5.24569	0.244	1.967	0.6971	0.72831	1.39E+01	1.35E+00	3.48E-05	1.85E-01	7.64E-02	1.85E-01	4.94E+00	4.95E+00	1.57E+01
565	489407.08	3861065.81	1.99666	0.74031	0.29842	4.42885	0.232	1.959	0.7009	0.74031	1.39E+01	1.37E+00	3.11E-05	1.56E-01	7.26E-02	1.84E-01	4.97E+00	5.03E+00	1.56E+01
566	489457.08	3861065.81	1.95091	0.75167	0.2845	3.90102	0.21	1.9	0.7052	0.75167	1.36E+01	1.39E+00	2.96E-05	1.37E-01	6.58E-02	1.79E-01	5.00E+00	5.11E+00	1.53E+01
567	489357.08	3861115.81	1.84702	0.70079	0.33839	5.23681	0.234	1.814	0.6834	0.70079	1.29E+01	1.29E+00	3.52E-05	1.84E-01	7.33E-02	1.71E-01	4.84E+00	4.77E+00	1.47E+01
568	489407.08	3861115.81	1.88708	0.72169	0.2952	4.46642	0.234	1.828	0.69	0.72169	1.32E+01	1.33E+00	3.07E-05	1.57E-01	7.33E-02	1.72E-01	4.89E+00	4.91E+00	1.49E+01
569	489457.08	3861115.81	1.89852	0.73397	0.27776	3.93848	0.213	1.811	0.6943	0.73397	1.32E+01	1.36E+00	2.89E-05	1.39E-01	6.69E-02	1.70E-01	4.92E+00	4.99E+00	1.49E+01
570	489407.08	3861165.81	1.7831	0.7071	0.31178	4.44317	0.225	1.743	0.6796	0.7071	1.24E+01	1.31E+00	3.25E-05	1.56E-01	7.06E-02	1.64E-01	4.82E+00	4.81E+00	1.41E+01
571	489457.08	3861165.81	1.81422	0.72008	0.27465	3.93666	0.217	1.73	0.6831	0.72008	1.26E+01	1.33E+00	2.86E-05	1.39E-01	6.79E-02	1.63E-01	4.84E+00	4.90E+00	1.43E+01
572	489407.08	3861215.81	1.68015	0.69561	0.3254	4.46488	0.214	1.64	0.6633	0.69561	1.17E+01	1.28E+00	3.39E-05	1.57E-01	6.71E-02	1.54E-01	4.70E+00	4.73E+00	1.33E+01
573	489457.08	3861215.81	1.72152	0.70764	0.28976	3.92942	0.218	1.623	0.6683	0.70764	1.20E+01	1.31E+00	3.02E-05	1.38E-01	6.82E-02	1.53E-01	4.74E+00	4.81E+00	1.36E+01
574	489407.08	3861265.81	1.56917	0.67689	0.33581	4.34674	0.206	1.563	0.6493	0.67689	1.09E+01	1.25E+00	3.50E-05	1.53E-01	6.44E-02	1.47E-01	4.60E+00	4.60E+00	1.26E+01
575	489457.08	3861265.81	1.61486	0.69102	0.30793	3.87706	0.206	1.548	0.6547	0.69102	1.13E+01	1.28E+00	3.21E-05	1.36E-01	6.47E-02	1.45E-01	4.64E+00	4.70E+00	1.28E+01
576	489309.86	3861110.14	1.81695	0.69114	0.43472	6.27794	0.243	1.861	0.6782	0.69114	1.27E+01	1.28E+00	4.53E-05	2.21E-01	7.60E-02	1.75E-01	4.81E+00	4.70E+00	1.45E+01
577	489407.08	3861315.81	1.46319	0.66166	0.33781	4.34214	0.201	1.504	0.6387	0.66166	1.02E+01	1.22E+00	3.52E-05	1.53E-01	6.29E-02	1.41E-01	4.53E+00	4.50E+00	1.18E+01
578	489457.08	3861315.81	1.51842	0.67204	0.32123	3.87965	0.196	1.494	0.6444	0.67204	1.06E+01	1.24E+00	3.34E-05	1.37E-01	6.15E-02	1.40E-01	4.57E+00	4.57E+00	1.22E+01
579	488906.03	3861006.75	1.83567	0.67923	0.41708	3.02672	0.149	2.286	0.6613	0.67923	1.28E+01	1.25E+00	4.34E-05	1.07E-01	4.66E-02	2.15E-01	4.69E+00	4.62E+00	1.45E+01
580	488956.03	3861006.75	1.87855	0.68731	0.48291	3.31207	0.134	2.272	0.6679	0.68731	1.31E+01	1.27E+00	5.03E-05	1.17E-01	4.21E-02	2.14E-01	4.73E+00	4.67E+00	1.48E+01
581	488904.24	3861051.87	1.68829	0.67669	0.45457	2.64684	0.152	2.071	0.6641	0.67669	1.18E+01	1.25E+00	4.73E-05	9.32E-02	4.75E-02	1.95E-01	4.71E+00	4.60E+00	1.35E+01
582	488954.24	3861051.87	1.74192	0.6781	0.45544	3.06619	0.136	2.072	0.6594	0.6781	1.21E+01	1.25E+00	4.74E-05	1.08E-01	4.26E-02	1.95E-01	4.67E+00	4.61E+00	1.38E+01
583	489004.24	3861051.87	1.79728	0.69164	0.46684	3.23646	0.129	2.083	0.6688	0.69164	1.25E+01	1.28E+00	4.86E-05	1.14E-01	4.03E-02	1.96E-01	4.74E+00	4.70E+00	1.42E+01
584	488804.24	3861101.87	1.50984	0.64706	0.33247	2.4255	0.153	2.033	0.6269	0.64706	1.05E+01	1.20E+00	3.46E-05	8.54E-02	4.79E-02	1.91E-01	4.44E+00	4.40E+00	1.21E+01
585	488854.24	3861101.87	1.54998	0.65083	0.37387	2.54864	0.167	2.024	0.6368	0.65083	1.08E+01	1.20E+00	3.89E-05	8.97E-02	5.22E-02	1.90E-01	4.51E+00	4.43E+00	1.24E+01
586	488904.24	3861101.87	1.54762	0.65151	0.41383	3.01162	0.152	2.007	0.6342	0.65151	1.08E+01	1.20E+00	4.31E-05	1.06E-01	4.77E-02	1.89E-01	4.49E+00	4.43E+00	1.24E+01

587	488954.24	3861101.87	1.56233	0.66317	0.42744	3.38181	0.137	1.966	0.6468	0.66317	1.09E+01	1.22E+00	4.45E-05	1.19E-01	4.29E-02	1.85E-01	4.58E+00	4.51E+00	1.25E+01
588	489004.24	3861101.87	1.6044	0.66838	0.44749	3.82124	0.128	1.962	0.6524	0.66838	1.12E+01	1.23E+00	4.66E-05	1.34E-01	4.01E-02	1.84E-01	4.62E+00	4.54E+00	1.29E+01
589	488804.24	3861151.87	1.43473	0.63022	0.35446	2.4919	0.14	1.883	0.6068	0.63022	1.00E+01	1.16E+00	3.69E-05	8.77E-02	4.39E-02	1.77E-01	4.30E+00	4.29E+00	1.15E+01
590	488854.24	3861151.87	1.43617	0.63292	0.37969	2.79161	0.157	1.89	0.6149	0.63292	1.00E+01	1.17E+00	3.95E-05	9.83E-02	4.93E-02	1.78E-01	4.36E+00	4.30E+00	1.16E+01
591	489129.49	3861187.55	1.45287	0.64435	0.4433	6.37389	0.119	1.774	0.6357	0.64435	1.01E+01	1.19E+00	4.62E-05	2.24E-01	3.72E-02	1.67E-01	4.50E+00	4.38E+00	1.19E+01
592	489179.49	3861187.55	1.49301	0.65274	0.46041	8.94778	0.118	1.759	0.6413	0.65274	1.04E+01	1.21E+00	4.79E-05	3.15E-01	3.70E-02	1.65E-01	4.54E+00	4.44E+00	1.22E+01
593	488804.24	3861201.87	1.36073	0.62166	0.35638	2.49577	0.131	1.81	0.5982	0.62166	9.49E+00	1.15E+00	3.71E-05	8.78E-02	4.11E-02	1.70E-01	4.24E+00	4.23E+00	1.09E+01
594	488854.24	3861201.87	1.37537	0.62076	0.34879	2.79096	0.143	1.779	0.601	0.62076	9.59E+00	1.15E+00	3.63E-05	9.82E-02	4.47E-02	1.67E-01	4.26E+00	4.22E+00	1.11E+01
595	489129.49	3861237.55	1.36175	0.63789	0.42238	6.37344	0.117	1.726	0.63	0.63789	9.49E+00	1.18E+00	4.40E-05	2.24E-01	3.67E-02	1.62E-01	4.46E+00	4.34E+00	1.12E+01
596	489179.49	3861237.55	1.37977	0.64098	0.4369	9.15933	0.116	1.695	0.6334	0.64098	9.62E+00	1.18E+00	4.55E-05	3.22E-01	3.63E-02	1.59E-01	4.49E+00	4.36E+00	1.15E+01
597	488804.24	3861251.87	1.27941	0.61644	0.34182	2.50471	0.128	1.77	0.591	0.61644	8.92E+00	1.14E+00	3.56E-05	8.82E-02	4.01E-02	1.66E-01	4.19E+00	4.19E+00	1.03E+01
598	488854.24	3861251.87	1.29496	0.6133	0.33526	2.7865	0.132	1.734	0.592	0.6133	9.03E+00	1.13E+00	3.49E-05	9.81E-02	4.14E-02	1.63E-01	4.19E+00	4.17E+00	1.05E+01
599	488804.24	3861301.87	1.23651	0.61083	0.3279	2.52641	0.125	1.683	0.5821	0.61083	8.62E+00	1.13E+00	3.41E-05	8.89E-02	3.92E-02	1.58E-01	4.12E+00	4.15E+00	1.00E+01
600	488854.24	3861301.87	1.21356	0.60669	0.32612	2.7836	0.124	1.691	0.5857	0.60669	8.46E+00	1.12E+00	3.40E-05	9.80E-02	3.87E-02	1.59E-01	4.15E+00	4.13E+00	9.90E+00
601	490943.5	3860181.97	1.56187	2.79574	1.19271	3.6967	0.755	2.462	2.9794	2.79574	1.09E+01	5.16E+00	1.24E-04	1.30E-01	2.37E-01	2.31E-01	2.11E+01	1.90E+01	1.87E+01
602	490993.5	3860181.97	1.57616	3.06495	1.21795	3.80149	0.748	2.542	3.0739	3.06495	1.10E+01	5.66E+00	1.27E-04	1.34E-01	2.34E-01	2.39E-01	2.18E+01	2.08E+01	1.82E+01
603	491043.5	3860181.97	1.59847	3.29793	1.12125	3.90317	0.748	2.627	3.276	3.29793	1.11E+01	6.09E+00	1.17E-04	1.37E-01	2.34E-01	2.47E-01	2.32E+01	2.24E+01	1.86E+01
604	491093.5	3860181.97	1.6242	3.55219	1.10025	3.87218	0.75	2.685	3.581	3.55219	1.13E+01	6.56E+00	1.15E-04	1.36E-01	2.35E-01	2.52E-01	2.54E+01	2.42E+01	1.97E+01
605	490943.5	3860231.97	1.53156	2.64226	0.85895	3.31254	0.703	2.301	2.7778	2.64226	1.07E+01	4.88E+00	8.94E-05	1.17E-01	2.20E-01	2.16E-01	1.97E+01	1.80E+01	1.78E+01
606	490993.5	3860231.97	1.51966	2.79405	1.01176	3.4411	0.738	2.363	2.9072	2.79405	1.06E+01	5.16E+00	1.05E-04	1.21E-01	2.31E-01	2.22E-01	2.06E+01	1.90E+01	1.79E+01
607	491043.5	3860231.97	1.51688	2.95864	1.13853	3.53719	0.732	2.387	3.0077	2.95864	1.06E+01	5.46E+00	1.19E-04	1.24E-01	2.29E-01	2.24E-01	2.13E+01	2.01E+01	1.78E+01
608	491093.5	3860231.97	1.53417	3.15805	1.05768	3.56781	0.733	2.453	3.1587	3.15805	1.07E+01	5.83E+00	1.10E-04	1.26E-01	2.30E-01	2.31E-01	2.24E+01	2.15E+01	1.80E+01
609	490943.5	3860281.97	1.50158	2.49654	0.64705	2.99215	0.615	2.113	2.438	2.49654	1.05E+01	4.61E+00	6.74E-05	1.05E-01	1.93E-01	1.99E-01	1.73E+01	1.70E+01	1.59E+01
610	490993.5	3860281.97	1.46088	2.60853	0.7361	3.12963	0.669	2.177	2.6071	2.60853	1.02E+01	4.82E+00	7.66E-05	1.10E-01	2.10E-01	2.05E-01	1.85E+01	1.77E+01	1.63E+01
611	491043.5	3860281.97	1.44311	2.71994	0.83354	3.19426	0.723	2.252	2.8117	2.71994	1.01E+01	5.02E+00	8.68E-05	1.12E-01	2.27E-01	2.12E-01	1.99E+01	1.85E+01	1.71E+01
612	491093.5	3860281.97	1.44035	2.82032	0.96216	3.28472	0.715	2.27	2.8698	2.82032	1.00E+01	5.21E+00	1.00E-04	1.16E-01	2.24E-01	2.13E-01	2.03E+01	1.92E+01	1.70E+01
613	490943.5	3860331.97	1.47331	2.33645	0.67368	2.81745	0.562	2.028	2.252	2.33645	1.03E+01	4.32E+00	7.01E-05	9.92E-02	1.76E-01	1.91E-01	1.60E+01	1.59E+01	1.51E+01
614	490993.5	3860331.97	1.46763	2.43661	0.60884	2.80244	0.59	2.031	2.3676	2.43661	1.02E+01	4.50E+00	6.34E-05	9.86E-02	1.85E-01	1.91E-01	1.68E+01	1.66E+01	1.54E+01
615	491043.5	3860331.97	1.43143	2.5393	0.63327	2.9062	0.63	2.041	2.4859	2.5393	9.98E+00	4.69E+00	6.59E-05	1.02E-01	1.97E-01	1.92E-01	1.76E+01	1.73E+01	1.55E+01
616	491093.5	3860331.97	1.3987	2.64011	0.71277	3.02073	0.708	2.123	2.65	2.64011	9.75E+00	4.88E+00	7.42E-05	1.06E-01	2.22E-01	2.00E-01	1.88E+01	1.80E+01	1.60E+01
617	490086.72	3859935.12	2.24461	2.49631	1.90591	3.95413	1.053	2.315	2.5089	2.49631	1.56E+01	4.61E+00	1.98E-04	1.39E-01	3.30E-01	2.18E-01	1.78E+01	1.70E+01	2.17E+01
618	490136.72	3859935.12	2.19229	2.55756	2.2393	4.13674	0.932	2.297	2.575	2.55756	1.53E+01	4.72E+00	2.33E-04	1.46E-01	2.92E-01	2.16E-01	1.82E+01	1.74E+01	2.15E+01
619	490186.72	3859935.12	2.14881	2.70345	1.73238	4.24909	0.968	2.299	2.6393	2.70345	1.50E+01	4.99E+00	1.80E-04	1.50E-01	3.03E-01	2.16E-01	1.87E+01	1.84E+01	2.10E+01
620	490236.72	3859935.12	2.10974	2.81648	1.7451	4.31049	1.075	2.349	2.7679	2.81648	1.47E+01	5.20E+00	1.82E-04	1.52E-01	3.37E-01	2.21E-01	1.96E+01	1.92E+01	2.11E+01
621	490286.72	3859935.12	2.06206	2.88305	1.93868	4.31355	1.179	2.451	2.8527	2.88305	1.44E+01	5.32E+00	2.02E-04	1.52E-01	3.69E-01	2.30E-01	2.02E+01	1.96E+01	2.11E+01
622	490336.72	3859935.12	2.03051	2.98267	1.46212	4.33575	1.2	2.564	2.9085	2.98267	1.42E+01	5.51E+00	1.52E-04	1.53E-01	3.76E-01	2.41E-01	2.06E+01	2.03E+01	2.08E+01
623	490386.72	3859935.12	1.99645	3.12451	1.58835	4.41453	1.114	2.582	2.9872	3.12451	1.39E+01	5.77E+00	1.65E-04	1.55E-01	3.49E-01	2.43E-01	2.12E+01	2.12E+01	2.04E+01
624	490436.72	3859935.12	1.96257	3.29811	1.68462	4.37476	0.901	2.612	3.2754	3.29811	1.37E+01	6.09E+00	1.75E-04	1.54E-01	2.82E-01	2.46E-01	2.32E+01	2.24E+01	2.12E+01
625	490486.72	3859935.12	1.93428	3.5284	1.70524	4.46529	0.749	2.735	3.5068	3.5284	1.35E+01	6.52E+00	1.78E-04	1.57E-01	2.35E-01	2.57E-01	2.48E+01	2.40E+01	2.15E+01
626	490536.72	3859935.12	1.92438	3.70734	2.06076	4.73377	0.816	2.963	3.8203	3.70734	1.34E+01	6.85E+00	2.15E-04	1.67E-01	2.56E-01	2.79E-01	2.71E+01	2.52E+01	2.28E+01
627	490586.72	3859935.12	1.89386	3.99619	2.14547	5.2505	0.884	3.298	4.1414	3.99619	1.32E+01	7.38E+00	2.23E-04	1.85E-01	2.77E-01	3.10E-01	2.93E+01	2.72E+01	2.35E+01
628	490636.72	3859935.12	1.87473	4.28442	2.13757	5.76303	0.87	3.651	4.4207	4.28442	1.31E+01	7.91E+00	2.23E-04	2.03E-01	2.72E-01	3.43E-01	3.13E+01	2.91E+01	2.40E+01
629	490686.72	3859935.12	1.88828	4.92035	2.04806	6.50785	0.869	4.074	4.8953	4.92035	1.32E+01	9.09E+00	2.13E-04	2.29E-01	2.72E-01	3.83E-01	3.47E+01	3.35E+01	2.44E+01
630	490736.72	3859935.12	1.91856	5.5686	2.39532	7.03115	0.876	4.504	5.3774	5.5686	1.34E+01	1.03E+01	2.49E-04	2.47E-01	2.74E-01	4.23E-01	3.81E+01	3.79E+01	2.48E+01
631	490086.72	3859985.12	2.24048	2.2799	1.2599	3.81474	0.907	2.273	2.2865	2.2799	1.56E+01	4.21E+00	1.31E-04	1.34E-01	2.84E-01	2.14E-01	1.62E+01	1.55E+01	2.12E+01
632	490136.72	3859985.12	2.18681	2.3544	1.8113	3.90822	1.007	2.278	2.38	2.3544	1.52E+01	4.35E+00	1.89E-04	1.38E-01	3.16E-01	2.14E-01	1.69E+01	1.60E+01	2.11E+01
633	490186.72	3859985.12	2.14707	2.42538	1.78656	3.93175	0.859	2.296	2.4371	2.42538	1.50E+01	4.48E+00	1.86E-04	1.38E-01	2.69E-01	2.16E-01	1.73E+01	1.65E+01	2.08E+01
634	490236.72	3859985.12	2.11338	2.51811	1.50386	3.99009	0.943	2.312	2.5093	2.51811	1.47E+01	4.65E+00	1.57E-04	1.40E-01	2.96E-01	2.17E-01	1.78E+01	1.71E+01	2.07E+01
635	490286.72	3859985.12	2.07405	2.68107	1.53781	4.03768	1.033	2.348	2.6321	2.68107	1.45E+01	4.95E+00	1.60E-04	1.42E-01	3.24E-01	2.21E-01	1.86E+01	1.82E+01	2.05E+01
636	490336.72	3859985.12	2.03291	2.75304	1.70931	4.05509	1.138	2.436	2.6885	2.75304	1.42E+01	5.08E+00	1.78E-04	1.43E-01	3.57E-01	2.29E-01	1.90E+01	1.87E+01	2.03E+01
637	490386.72	3859985.12	2.00034	2.82935	1.27565	4.05714	1.181	2.592	2.768	2.82935	1.39E+01	5.23E+00	1.33E-04	1.43E-01	3.70E-01	2.44E-01	1.96E+01	1.92E+01	2.03E+01
638	490436.72	3859985.12	1.96277	2.96869	1.34916	3.98178	1.046	2.615	2.7948	2.96869	1.37E+01	5.48E+00	1.40E-04	1.40E-01	3.28E-01	2.46E-01	1.98E+01	2.02E+01	1.95E+01
639	490486.72	3859985.12	1.92206	3.10285	1.45954	4.11345	0.846	2.556	2.971	3.10285	1.34E+01	5.73E+00	1.52E-04	1.45E-01	2.65E-01	2.40E-01	2.11E+01	2.11E+01	1.97E+01
640	490536.72	3859985.12	1.88184	3.34753	1.37737	4.1891	0.704	2.564	3.3632	3.34753	1.31E+01	6.18E+00	1.43E-04	1.47E-01	2.21E-01	2.41E-01	2.38E+01	2.28E+01	2.10E+01
641	490586.72	3859985.12	1.849	3.4951	1.6552	4.49317	0.773	2.719	3.5067	3.4951	1.29E+01	6.46E+00	1.72E-04	1.58E-01	2.42E-01	2.56E-01	2.48E+01	2.38E+01	2.11E+01
642	490636.72	3859985.12	1.83624	3.68062	1.86683	4.93371	0.838	2.928	3.8108	3.68062	1.28E+01	6.80E+00	1.94E-04	1.74E-01	2.62E-01	2.75E-01	2.70E+01	2.50E+01	2.23E+01
643	490686.72	3859985.12	1.85836	3.95497	1.9556	5.32543	0.844	3.323	4.017	3.95497	1.30E+01	7.30E+00	2.04E-04	1.87E-01	2.65E-01	3.12E-01	2.85E+01	2.69E+01	2.26E+01
644	490736.72	3859985.12	1.85857	4.27967	1.82112	5.81962	0.846	3.623	4.2955	4.27967	1.30E+01	7.90E+00	1.90E-04	2.05E-01	2.65E-01	3.41E-01	3.04E+01	2.91E+01	2.30E+01
645	490786.72	3859985.12	1.84805	4.70299	1.77904	6.09379	0.835	3.802	4.5345	4.70299	1.29E+01	8.69E+00	1.85E-04	2.14E-01	2.62E-01	3.57E-01	3.21E+01	3.20E+01	2.26E+01

646	490086.72	3860035.12	2.21512	2.09977	0.95056	3.67192	0.853	2.266	2.1107	2.09977	1.54E+01	3.88E+00	9.90E-05	1.29E-01	2.67E-01	2.13E-01	1.50E+01	1.43E+01	2.06E+01
647	490136.72	3860035.12	2.17575	2.14907	1.38248	3.61047	0.89	2.288	2.1789	2.14907	1.52E+01	3.97E+00	1.44E-04	1.27E-01	2.79E-01	2.15E-01	1.54E+01	1.46E+01	2.06E+01
648	490186.72	3860035.12	2.13527	2.23643	1.69455	3.63345	0.966	2.301	2.2629	2.23643	1.49E+01	4.13E+00	1.76E-04	1.28E-01	3.03E-01	2.16E-01	1.60E+01	1.52E+01	2.05E+01
649	490236.72	3860035.12	2.09831	2.3042	1.47887	3.672	0.801	2.3	2.3052	2.3042	1.46E+01	4.26E+00	1.54E-04	1.29E-01	2.51E-01	2.16E-01	1.63E+01	1.57E+01	2.01E+01
650	490286.72	3860035.12	2.06218	2.34634	1.31415	3.75465	0.916	2.307	2.3386	2.34634	1.44E+01	4.33E+00	1.37E-04	1.32E-01	2.87E-01	2.17E-01	1.66E+01	1.60E+01	2.00E+01
651	490336.72	3860035.12	2.02102	2.46597	1.37001	3.8559	0.991	2.313	2.4491	2.46597	1.41E+01	4.55E+00	1.43E-04	1.36E-01	3.11E-01	2.17E-01	1.74E+01	1.68E+01	1.99E+01
652	490386.72	3860035.12	1.97958	2.6271	1.5062	3.79747	1.105	2.33	2.4912	2.6271	1.38E+01	4.85E+00	1.57E-04	1.34E-01	3.46E-01	2.19E-01	1.77E+01	1.79E+01	1.91E+01
653	490436.72	3860035.12	1.93874	2.71244	1.15277	3.75296	1.162	2.434	2.5845	2.71244	1.35E+01	5.01E+00	1.20E-04	1.32E-01	3.64E-01	2.29E-01	1.83E+01	1.84E+01	1.91E+01
654	490486.72	3860035.12	1.8937	2.82272	1.20168	3.82526	0.985	2.534	2.6503	2.82272	1.32E+01	5.21E+00	1.25E-04	1.35E-01	3.09E-01	2.38E-01	1.88E+01	1.92E+01	1.87E+01
655	490536.72	3860035.12	1.8473	2.95233	1.28408	3.89902	0.799	2.512	2.7172	2.95233	1.29E+01	5.45E+00	1.34E-04	1.37E-01	2.50E-01	2.36E-01	1.93E+01	2.01E+01	1.81E+01
656	490586.72	3860035.12	1.8201	3.10438	1.24365	3.99216	0.674	2.503	3.1006	3.10438	1.27E+01	5.73E+00	1.29E-04	1.41E-01	2.11E-01	2.35E-01	2.20E+01	2.11E+01	1.99E+01
657	490636.72	3860035.12	1.84192	3.1788	1.30646	4.1436	0.734	2.569	3.241	3.1788	1.28E+01	5.87E+00	1.36E-04	1.46E-01	2.30E-01	2.42E-01	2.30E+01	2.16E+01	2.07E+01
658	490686.72	3860035.12	1.84569	3.31845	1.58666	4.49618	0.784	2.7	3.4181	3.31845	1.29E+01	6.13E+00	1.65E-04	1.58E-01	2.46E-01	2.54E-01	2.42E+01	2.26E+01	2.13E+01
659	490736.72	3860035.12	1.83008	3.59846	1.72355	4.74524	0.816	3.005	3.7442	3.59846	1.28E+01	6.65E+00	1.79E-04	1.67E-01	2.56E-01	2.82E-01	2.65E+01	2.45E+01	2.22E+01
660	490786.72	3860035.12	1.7935	3.77493	1.69337	5.0626	0.823	3.214	3.9213	3.77493	1.25E+01	6.97E+00	1.76E-04	1.78E-01	2.58E-01	3.02E-01	2.78E+01	2.57E+01	2.23E+01
661	490836.72	3860035.12	1.76392	3.99389	1.55405	5.33202	0.807	3.335	4.1427	3.99389	1.23E+01	7.38E+00	1.62E-04	1.88E-01	2.53E-01	3.14E-01	2.94E+01	2.72E+01	2.26E+01
662	490086.72	3860085.12	2.12816	1.99341	0.76846	3.46937	0.874	2.292	2.0087	1.99341	1.48E+01	3.68E+00	8.00E-05	1.22E-01	2.74E-01	2.15E-01	1.42E+01	1.36E+01	1.98E+01
663	490136.72	3860085.12	2.1089	2.01868	0.9251	3.45322	0.827	2.269	2.0254	2.01868	1.47E+01	3.73E+00	9.63E-05	1.22E-01	2.59E-01	2.13E-01	1.44E+01	1.37E+01	1.96E+01
664	490186.72	3860085.12	2.07571	2.0668	1.31768	3.33046	0.875	2.308	2.0701	2.0668	1.45E+01	3.82E+00	1.37E-04	1.17E-01	2.74E-01	2.17E-01	1.47E+01	1.41E+01	1.95E+01
665	490236.72	3860085.12	2.03906	2.13947	1.5566	3.35009	0.919	2.32	2.1297	2.13947	1.42E+01	3.95E+00	1.62E-04	1.18E-01	2.88E-01	2.18E-01	1.51E+01	1.45E+01	1.93E+01
666	490286.72	3860085.12	1.99926	2.22042	1.23822	3.48691	0.76	2.28	2.1805	2.22042	1.39E+01	4.10E+00	1.29E-04	1.23E-01	2.38E-01	2.14E-01	1.54E+01	1.51E+01	1.90E+01
667	490336.72	3860085.12	1.95528	2.25108	1.16299	3.5802	0.891	2.274	2.1987	2.25108	1.36E+01	4.16E+00	1.21E-04	1.26E-01	2.79E-01	2.14E-01	1.56E+01	1.53E+01	1.87E+01
668	490386.72	3860085.12	1.90918	2.27033	1.22864	3.54238	0.951	2.303	2.2345	2.27033	1.33E+01	4.19E+00	1.28E-04	1.25E-01	2.98E-01	2.17E-01	1.58E+01	1.54E+01	1.85E+01
669	490436.72	3860085.12	1.8517	2.45672	1.33369	3.52603	1.073	2.309	2.3455	2.45672	1.29E+01	4.54E+00	1.39E-04	1.24E-01	3.36E-01	2.17E-01	1.66E+01	1.67E+01	1.80E+01
670	490486.72	3860085.12	1.81388	2.57454	1.04612	3.5376	1.128	2.333	2.4405	2.57454	1.26E+01	4.75E+00	1.09E-04	1.25E-01	3.53E-01	2.19E-01	1.73E+01	1.75E+01	1.79E+01
671	490536.72	3860085.12	1.78398	2.6724	1.06812	3.59145	0.928	2.393	2.513	2.6724	1.24E+01	4.94E+00	1.11E-04	1.26E-01	2.91E-01	2.25E-01	1.78E+01	1.82E+01	1.76E+01
672	490586.72	3860085.12	1.76188	2.76936	1.13356	3.64218	0.754	2.433	2.5471	2.76936	1.23E+01	5.11E+00	1.18E-04	1.28E-01	2.36E-01	2.29E-01	1.80E+01	1.88E+01	1.72E+01
673	490636.72	3860085.12	1.77049	2.82786	1.11627	3.71787	0.649	2.426	2.6943	2.82786	1.23E+01	5.22E+00	1.16E-04	1.31E-01	2.03E-01	2.28E-01	1.91E+01	1.92E+01	1.80E+01
674	490686.72	3860085.12	1.76351	2.9271	1.06782	3.84589	0.701	2.443	3.0543	2.9271	1.23E+01	5.41E+00	1.11E-04	1.35E-01	2.20E-01	2.30E-01	2.16E+01	1.99E+01	2.00E+01
675	490736.72	3860085.12	1.75267	3.02953	1.2777	4.05628	0.738	2.534	3.2028	3.02953	1.22E+01	5.60E+00	1.33E-04	1.43E-01	2.31E-01	2.38E-01	2.27E+01	2.06E+01	2.05E+01
676	490786.72	3860085.12	1.74074	3.17481	1.48518	4.31384	0.79	2.686	3.4214	3.17481	1.21E+01	5.86E+00	1.55E-04	1.52E-01	2.48E-01	2.52E-01	2.42E+01	2.16E+01	2.13E+01
677	490836.72	3860085.12	1.70767	3.31384	1.54023	4.41348	0.8	2.839	3.5586	3.31384	1.19E+01	6.12E+00	1.60E-04	1.55E-01	2.51E-01	2.67E-01	2.52E+01	2.25E+01	2.14E+01
678	490086.72	3860135.12	2.02674	1.83791	0.65674	3.2939	0.857	2.197	1.8812	1.83791	1.41E+01	3.39E+00	6.84E-05	1.16E-01	2.69E-01	2.06E-01	1.33E+01	1.25E+01	1.89E+01
679	490136.72	3860135.12	2.00262	1.87794	0.69775	3.24276	0.821	2.2	1.9162	1.87794	1.40E+01	3.47E+00	7.26E-05	1.14E-01	2.57E-01	2.07E-01	1.36E+01	1.28E+01	1.88E+01
680	490186.72	3860135.12	1.97774	1.91915	0.96996	3.17283	0.802	2.208	1.94	1.91915	1.38E+01	3.54E+00	1.01E-04	1.12E-01	2.51E-01	2.08E-01	1.37E+01	1.30E+01	1.86E+01
681	490236.72	3860135.12	1.95898	1.97683	1.21833	3.11432	0.854	2.258	1.9586	1.97683	1.37E+01	3.65E+00	1.27E-04	1.10E-01	2.68E-01	2.12E-01	1.39E+01	1.34E+01	1.83E+01
682	490286.72	3860135.12	1.94236	2.03234	1.39102	3.23087	0.846	2.292	1.9857	2.03234	1.35E+01	3.75E+00	1.45E-04	1.14E-01	2.65E-01	2.15E-01	1.41E+01	1.38E+01	1.81E+01
683	490336.72	3860135.12	1.93135	2.12477	1.04699	3.28698	0.736	2.28	2.0518	2.12477	1.35E+01	3.92E+00	1.09E-04	1.16E-01	2.31E-01	2.14E-01	1.45E+01	1.44E+01	1.80E+01
684	490386.72	3860135.12	1.88853	2.14988	1.03847	3.26365	0.863	2.271	2.0589	2.14988	1.32E+01	3.97E+00	1.08E-04	1.15E-01	2.70E-01	2.14E-01	1.46E+01	1.46E+01	1.77E+01
685	490436.72	3860135.12	1.83889	2.15179	1.10601	3.24271	0.925	2.312	2.0643	2.15179	1.28E+01	3.97E+00	1.15E-04	1.14E-01	2.90E-01	2.17E-01	1.46E+01	1.46E+01	1.74E+01
686	490486.72	3860135.12	1.80459	2.25033	1.19285	3.27474	1.038	2.265	2.2151	2.25033	1.26E+01	4.16E+00	1.24E-04	1.15E-01	3.25E-01	2.13E-01	1.57E+01	1.53E+01	1.78E+01
687	490536.72	3860135.12	1.76517	2.426	0.95792	3.37885	1.073	2.282	2.2947	2.426	1.23E+01	4.48E+00	9.97E-05	1.19E-01	3.36E-01	2.15E-01	1.63E+01	1.65E+01	1.72E+01
688	490586.72	3860135.12	1.73602	2.49841	0.95632	3.44235	0.876	2.325	2.3674	2.49841	1.21E+01	4.61E+00	9.96E-05	1.21E-01	2.74E-01	2.19E-01	1.68E+01	1.70E+01	1.71E+01
689	490636.72	3860135.12	1.71826	2.57385	1.00996	3.48741	0.713	2.334	2.3901	2.57385	1.20E+01	4.75E+00	1.05E-04	1.23E-01	2.23E-01	2.19E-01	1.69E+01	1.75E+01	1.67E+01
690	490686.72	3860135.12	1.69253	2.64126	1.00245	3.50675	0.627	2.345	2.4614	2.64126	1.18E+01	4.88E+00	1.04E-04	1.23E-01	1.96E-01	2.20E-01	1.74E+01	1.80E+01	1.67E+01
691	490736.72	3860135.12	1.66323	2.73658	0.91482	3.58453	0.669	2.34	2.7359	2.73658	1.16E+01	5.05E+00	9.52E-05	1.26E-01	2.10E-01	2.20E-01	1.94E+01	1.86E+01	1.80E+01
692	490786.72	3860135.12	1.62928	2.82429	1.02773	3.77909	0.693	2.402	2.9455	2.82429	1.14E+01	5.22E+00	1.07E-04	1.33E-01	2.17E-01	2.26E-01	2.09E+01	1.92E+01	1.88E+01
693	490836.72	3860135.12	1.6229	2.88204	1.23228	4.00168	0.763	2.506	3.0523	2.88204	1.13E+01	5.32E+00	1.28E-04	1.41E-01	2.39E-01	2.36E-01	2.16E+01	1.96E+01	1.93E+01
694	490086.72	3860185.12	1.97697	1.69561	0.4642	3.07821	0.849	2.121	1.7386	1.69561	1.38E+01	3.13E+00	4.83E-05	1.08E-01	2.66E-01	1.99E-01	1.23E+01	1.15E+01	1.83E+01
695	490136.72	3860185.12	1.93254	1.77155	0.60065	3.08041	0.817	2.138	1.819	1.77155	1.35E+01	3.27E+00	6.25E-05	1.08E-01	2.56E-01	2.01E-01	1.29E+01	1.20E+01	1.82E+01
696	490186.72	3860185.12	1.88882	1.80574	0.63315	3.03583	0.806	2.146	1.8625	1.80574	1.32E+01	3.34E+00	6.59E-05	1.07E-01	2.53E-01	2.02E-01	1.32E+01	1.23E+01	1.80E+01
697	490236.72	3860185.12	1.86842	1.83799	0.92926	3.0117	0.777	2.14	1.8749	1.83799	1.30E+01	3.39E+00	9.67E-05	1.06E-01	2.44E-01	2.01E-01	1.33E+01	1.25E+01	1.78E+01
698	490286.72	3860185.12	1.85971	1.89415	1.0999	2.99764	0.818	2.15	1.9014	1.89415	1.30E+01	3.50E+00	1.15E-04	1.06E-01	2.56E-01	2.02E-01	1.35E+01	1.29E+01	1.76E+01
699	490336.72	3860185.12	1.85403	1.92667	1.14524	3.04888	0.78	2.177	1.8985	1.92667	1.29E+01	3.56E+00	1.19E-04	1.07E-01	2.44E-01	2.05E-01	1.35E+01	1.31E+01	1.74E+01
700	490386.72	3860185.12	1.83258	1.98043	0.89458	3.04808	0.717	2.194	1.9321	1.98043	1.28E+01	3.66E+00	9.31E-05	1.07E-01	2.25E-01	2.06E-01	1.37E+01	1.35E+01	1.72E+01
701	490436.72	3860185.12	1.80094	2.0143	0.93198	3.02476	0.828	2.181	1.9406	2.0143	1.26E+01	3.72E+00	9.70E-05	1.06E-01	2.59E-01	2.05E-01	1.37E+01	1.37E+01	1.69E+01
702	490486.72	3860185.12	1.76083	2.02713	1.00045	3.10177	0.902	2.225	1.9499	2.02713	1.23E+01	3.74E+00	1.04E-04	1.09E-01	2.83E-01	2.09E-01	1.38E+01	1.38E+01	1.67E+01
703	490536.72	3860185.12	1.74519	2.06727	1.0789	3.14152	1.007	2.202	2.0827	2.06727	1.22E+01	3.82E+00	1.12E-04	1.11E-01	3.16E-01	2.07E-01	1.48E+01	1.41E+01	1.73E+01
704	490586.72	3860185.12	1.7319	2.26544	0.87999	3.24312	1.014	2.182	2.1455	2.26544	1.21E+01	4.18E+00	9.16E-05	1.14E-01	3.18E-01	2.05E-01	1.52E+01	1.54E+01	1.67E+01

705	490636.72	3860185.12	1.70347	2.36559	0.86706	3.28986	0.826	2.239	2.2344	2.36559	1.19E+01	4.37E+00	9.03E-05	1.16E-01	2.59E-01	2.10E-01	1.58E+01	1.61E+01	1.66E+01
706	490686.72	3860185.12	1.66599	2.44166	0.91031	3.34186	0.675	2.235	2.279	2.44166	1.16E+01	4.51E+00	9.48E-05	1.18E-01	2.11E-01	2.10E-01	1.61E+01	1.66E+01	1.62E+01
707	490736.72	3860185.12	1.62671	2.48812	0.89424	3.31974	0.605	2.255	2.3425	2.48812	1.13E+01	4.60E+00	9.31E-05	1.17E-01	1.90E-01	2.12E-01	1.66E+01	1.69E+01	1.61E+01
708	490786.72	3860185.12	1.60439	2.56905	0.86835	3.41094	0.641	2.291	2.4771	2.56905	1.12E+01	4.74E+00	9.04E-05	1.20E-01	2.01E-01	2.15E-01	1.76E+01	1.75E+01	1.65E+01
709	490836.72	3860185.12	1.59633	2.62564	0.86172	3.52681	0.659	2.305	2.7667	2.62564	1.11E+01	4.85E+00	8.97E-05	1.24E-01	2.07E-01	2.17E-01	1.96E+01	1.79E+01	1.83E+01
710	490086.72	3860235.12	2.00787	1.61334	0.44398	2.9335	0.899	2.112	1.6466	1.61334	1.40E+01	2.98E+00	4.62E-05	1.03E-01	2.82E-01	1.98E-01	1.17E+01	1.10E+01	1.83E+01
711	490136.72	3860235.12	1.95911	1.63552	0.52248	2.87594	0.813	2.112	1.6814	1.63552	1.37E+01	3.02E+00	5.44E-05	1.01E-01	2.55E-01	1.99E-01	1.19E+01	1.11E+01	1.80E+01
712	490186.72	3860235.12	1.91642	1.66806	0.56367	2.85401	0.77	2.103	1.731	1.66806	1.34E+01	3.08E+00	5.87E-05	1.00E-01	2.41E-01	1.98E-01	1.23E+01	1.13E+01	1.79E+01
713	490236.72	3860235.12	1.86038	1.73183	0.65757	2.86674	0.795	2.095	1.7813	1.73183	1.30E+01	3.20E+00	6.85E-05	1.01E-01	2.49E-01	1.97E-01	1.26E+01	1.18E+01	1.76E+01
714	490286.72	3860235.12	1.81549	1.7385	0.83272	2.85214	0.76	2.074	1.8101	1.7385	1.27E+01	3.21E+00	8.67E-05	1.00E-01	2.38E-01	1.95E-01	1.28E+01	1.18E+01	1.74E+01
715	490336.72	3860235.12	1.78905	1.79174	1.01986	2.87793	0.784	2.071	1.8326	1.79174	1.25E+01	3.31E+00	1.06E-04	1.01E-01	2.46E-01	1.95E-01	1.30E+01	1.22E+01	1.71E+01
716	490386.72	3860235.12	1.7611	1.83461	0.98566	2.90694	0.716	2.093	1.8335	1.83461	1.23E+01	3.39E+00	1.03E-04	1.02E-01	2.24E-01	1.97E-01	1.30E+01	1.25E+01	1.67E+01
717	490436.72	3860235.12	1.74986	1.86329	0.7745	2.91411	0.699	2.068	1.8323	1.86329	1.22E+01	3.44E+00	8.06E-05	1.03E-01	2.19E-01	1.94E-01	1.30E+01	1.27E+01	1.65E+01
718	490486.72	3860235.12	1.728	1.91779	0.83381	2.94198	0.796	2.048	1.8733	1.91779	1.20E+01	3.54E+00	8.68E-05	1.04E-01	2.49E-01	1.93E-01	1.33E+01	1.30E+01	1.64E+01
719	490536.72	3860235.12	1.68814	1.93542	0.90543	2.9992	0.874	2.106	1.8843	1.93542	1.18E+01	3.57E+00	9.43E-05	1.06E-01	2.74E-01	1.98E-01	1.34E+01	1.32E+01	1.61E+01
720	490586.72	3860235.12	1.6496	1.98196	0.98441	3.01843	0.977	2.11	1.9528	1.98196	1.15E+01	3.66E+00	1.02E-04	1.06E-01	3.06E-01	1.98E-01	1.38E+01	1.35E+01	1.61E+01
721	490636.72	3860235.12	1.61903	2.08109	0.80969	3.0615	0.957	2.095	2.0325	2.08109	1.13E+01	3.84E+00	8.43E-05	1.08E-01	3.00E-01	1.97E-01	1.44E+01	1.42E+01	1.60E+01
722	490686.72	3860235.12	1.59106	2.26716	0.79399	3.11083	0.782	2.146	2.1324	2.26716	1.11E+01	4.19E+00	8.27E-05	1.09E-01	2.45E-01	2.02E-01	1.51E+01	1.54E+01	1.55E+01
723	490736.72	3860235.12	1.56934	2.3331	0.82958	3.12832	0.639	2.15	2.1999	2.3331	1.09E+01	4.31E+00	8.64E-05	1.10E-01	2.00E-01	2.02E-01	1.56E+01	1.59E+01	1.55E+01
724	490786.72	3860235.12	1.57118	2.39192	0.80045	3.14421	0.586	2.159	2.2671	2.39192	1.10E+01	4.42E+00	8.33E-05	1.11E-01	1.84E-01	2.03E-01	1.61E+01	1.63E+01	1.57E+01
725	490086.72	3860285.12	2.01231	1.51127	0.43602	2.80429	0.952	2.097	1.5484	1.51127	1.40E+01	2.79E+00	4.54E-05	9.87E-02	2.98E-01	1.97E-01	1.10E+01	1.03E+01	1.81E+01
726	490136.72	3860285.12	1.95575	1.55302	0.44499	2.73175	0.859	2.068	1.583	1.55302	1.36E+01	2.87E+00	4.63E-05	9.61E-02	2.69E-01	1.94E-01	1.12E+01	1.06E+01	1.77E+01
727	490186.72	3860285.12	1.9079	1.57597	0.50419	2.74276	0.78	2.023	1.6082	1.57597	1.33E+01	2.91E+00	5.25E-05	9.65E-02	2.44E-01	1.90E-01	1.14E+01	1.07E+01	1.74E+01
728	490236.72	3860285.12	1.86335	1.60368	0.50554	2.77503	0.712	2	1.6637	1.60368	1.30E+01	2.96E+00	5.26E-05	9.77E-02	2.23E-01	1.88E-01	1.18E+01	1.09E+01	1.73E+01
729	490286.72	3860285.12	1.80852	1.63708	0.63458	2.75874	0.784	1.966	1.6854	1.63708	1.26E+01	3.02E+00	6.61E-05	9.71E-02	2.46E-01	1.85E-01	1.19E+01	1.11E+01	1.70E+01
730	490336.72	3860285.12	1.76846	1.68451	0.7765	2.74087	0.747	1.955	1.7504	1.68451	1.23E+01	3.11E+00	8.08E-05	9.65E-02	2.34E-01	1.84E-01	1.24E+01	1.15E+01	1.69E+01
731	490386.72	3860285.12	1.72756	1.72603	0.92862	2.7629	0.752	1.969	1.8048	1.72603	1.20E+01	3.19E+00	9.67E-05	9.72E-02	2.36E-01	1.85E-01	1.28E+01	1.17E+01	1.68E+01
732	490436.72	3860285.12	1.68981	1.76793	0.85925	2.75452	0.662	1.986	1.7766	1.76793	1.18E+01	3.27E+00	8.95E-05	9.69E-02	2.07E-01	1.87E-01	1.26E+01	1.20E+01	1.61E+01
733	490486.72	3860285.12	1.65454	1.7951	0.6949	2.80983	0.681	1.984	1.7695	1.7951	1.15E+01	3.32E+00	7.23E-05	9.89E-02	2.14E-01	1.87E-01	1.25E+01	1.22E+01	1.57E+01
734	490536.72	3860285.12	1.6174	1.84641	0.7468	2.86105	0.766	1.979	1.7872	1.84641	1.13E+01	3.41E+00	7.77E-05	1.01E-01	2.40E-01	1.86E-01	1.27E+01	1.26E+01	1.53E+01
735	490586.72	3860285.12	1.58593	1.88787	0.81825	2.87925	0.842	2.035	1.8302	1.88787	1.11E+01	3.49E+00	8.52E-05	1.01E-01	2.64E-01	1.91E-01	1.30E+01	1.28E+01	1.52E+01
736	490636.72	3860285.12	1.56391	1.92647	0.89713	2.87881	0.947	2.038	1.8794	1.92647	1.09E+01	3.56E+00	9.34E-05	1.01E-01	2.97E-01	1.92E-01	1.33E+01	1.31E+01	1.53E+01
737	490686.72	3860285.12	1.55569	1.98434	0.7478	2.91257	0.903	2.044	1.9907	1.98434	1.08E+01	3.66E+00	7.79E-05	1.03E-01	2.83E-01	1.92E-01	1.41E+01	1.35E+01	1.57E+01
738	490736.72	3860285.12	1.54326	2.12368	0.729	2.93625	0.74	2.093	2.0192	2.12368	1.08E+01	3.92E+00	7.59E-05	1.03E-01	2.32E-01	1.97E-01	1.43E+01	1.44E+01	1.51E+01
739	490786.72	3860285.12	1.53617	2.25927	0.76074	2.96366	0.605	2.083	2.1189	2.25927	1.07E+01	4.17E+00	7.92E-05	1.04E-01	1.90E-01	1.96E-01	1.50E+01	1.54E+01	1.50E+01
740	490086.72	3860335.12	1.97969	1.42719	0.40771	2.65492	0.893	1.992	1.4442	1.42719	1.38E+01	2.64E+00	4.24E-05	9.34E-02	2.80E-01	1.87E-01	1.02E+01	9.70E+00	1.75E+01
741	490136.72	3860335.12	1.93092	1.46611	0.43456	2.62175	0.91	1.996	1.5013	1.46611	1.35E+01	2.71E+00	4.52E-05	9.23E-02	2.85E-01	1.88E-01	1.06E+01	9.97E+00	1.74E+01
742	490186.72	3860335.12	1.86221	1.49773	0.45907	2.61828	0.822	2.007	1.5338	1.49773	1.30E+01	2.77E+00	4.78E-05	9.22E-02	2.58E-01	1.89E-01	1.09E+01	1.02E+01	1.70E+01
743	490236.72	3860335.12	1.8166	1.53449	0.48407	2.65394	0.751	2	1.556	1.53449	1.27E+01	2.83E+00	5.04E-05	9.34E-02	2.35E-01	1.88E-01	1.10E+01	1.04E+01	1.66E+01
744	490286.72	3860335.12	1.78985	1.56319	0.52248	2.67018	0.703	1.98	1.6054	1.56319	1.25E+01	2.89E+00	5.44E-05	9.40E-02	2.20E-01	1.86E-01	1.14E+01	1.06E+01	1.66E+01
745	490336.72	3860335.12	1.75211	1.58618	0.59609	2.65853	0.763	1.95	1.6304	1.58618	1.22E+01	2.93E+00	6.21E-05	9.36E-02	2.39E-01	1.83E-01	1.16E+01	1.08E+01	1.64E+01
746	490386.72	3860335.12	1.70971	1.61318	0.72969	2.58673	0.736	1.918	1.6585	1.61318	1.19E+01	2.98E+00	7.60E-05	9.10E-02	2.31E-01	1.80E-01	1.18E+01	1.10E+01	1.62E+01
747	490436.72	3860335.12	1.66267	1.66524	0.84949	2.61095	0.722	1.916	1.746	1.66524	1.16E+01	3.08E+00	8.84E-05	9.19E-02	2.26E-01	1.80E-01	1.24E+01	1.13E+01	1.62E+01
748	490486.72	3860335.12	1.63248	1.73814	0.7601	2.63678	0.634	1.927	1.7662	1.73814	1.14E+01	3.21E+00	7.91E-05	9.28E-02	1.99E-01	1.81E-01	1.25E+01	1.18E+01	1.58E+01
749	490536.72	3860335.12	1.60495	1.75142	0.63292	2.65719	0.665	1.918	1.7657	1.75142	1.12E+01	3.23E+00	6.59E-05	9.35E-02	2.08E-01	1.80E-01	1.25E+01	1.19E+01	1.55E+01
750	490586.72	3860335.12	1.58655	1.77797	0.6711	2.70009	0.744	1.914	1.7482	1.77797	1.11E+01	3.28E+00	6.99E-05	9.50E-02	2.33E-01	1.80E-01	1.24E+01	1.21E+01	1.51E+01
751	490636.72	3860335.12	1.56499	1.84987	0.73731	2.70343	0.812	1.966	1.7926	1.84987	1.09E+01	3.42E+00	7.68E-05	9.52E-02	2.55E-01	1.85E-01	1.27E+01	1.26E+01	1.50E+01
752	490686.72	3860335.12	1.54241	1.88985	0.82071	2.73932	0.919	1.96	1.8398	1.88985	1.08E+01	3.49E+00	8.54E-05	9.64E-02	2.88E-01	1.84E-01	1.30E+01	1.29E+01	1.50E+01
753	490736.72	3860335.12	1.52982	1.93722	0.69281	2.73734	0.854	1.978	1.9401	1.93722	1.07E+01	3.58E+00	7.21E-05	9.63E-02	2.68E-01	1.86E-01	1.37E+01	1.32E+01	1.54E+01
754	490786.72	3860335.12	1.52235	2.01973	0.67117	2.76349	0.702	2.02	1.983	2.01973	1.06E+01	3.73E+00	6.99E-05	9.73E-02	2.20E-01	1.90E-01	1.41E+01	1.37E+01	1.52E+01
755	490086.72	3860385.12	1.91152	1.34282	0.3777	2.53259	0.82	1.967	1.3531	1.34282	1.33E+01	2.48E+00	3.93E-05	8.91E-02	2.57E-01	1.85E-01	9.59E+00	9.13E+00	1.68E+01
756	490136.72	3860385.12	1.85544	1.37039	0.41269	2.52958	0.89	1.905	1.4046	1.37039	1.29E+01	2.53E+00	4.30E-05	8.90E-02	2.79E-01	1.79E-01	9.95E+00	9.32E+00	1.66E+01
757	490186.72	3860385.12	1.81745	1.39791	0.41961	2.48528	0.869	1.908	1.4531	1.39791	1.27E+01	2.58E+00	4.37E-05	8.75E-02	2.72E-01	1.79E-01	1.03E+01	9.51E+00	1.66E+01
758	490236.72	3860385.12	1.78319	1.44669	0.45698	2.49028	0.788	1.912	1.4882	1.44669	1.24E+01	2.67E+00	4.76E-05	8.76E-02	2.47E-01	1.80E-01	1.05E+01	9.84E+00	1.63E+01
759	490286.72	3860385.12	1.75353	1.47202	0.46192	2.49713	0.724	1.891	1.5078	1.47202	1.22E+01	2.72E+00	4.81E-05	8.79E-02	2.27E-01	1.78E-01	1.07E+01	1.00E+01	1.61E+01
760	490336.72	3860385.12	1.7296	1.50541	0.50306	2.52894	0.694	1.864	1.5615	1.50541	1.21E+01	2.78E+00	5.24E-05	8.90E-02	2.17E-01	1.75E-01	1.11E+01	1.02E+01	1.61E+01
761	490386.72	3860385.12	1.7049	1.54202	0.5655	2.47791	0.741	1.866	1.5928	1.54202	1.19E+01	2.85E+00	5.89E-05	8.72E-02	2.32E-01	1.75E-01	1.13E+01	1.05E+01	1.60E+01
762	490436.72	3860385.12	1.67045	1.57783	0.68458	2.47356	0.722	1.853	1.6256	1.57783	1.16E+01	2.91E+00	7.13E-05	8.71E-02	2.26E-01	1.74E-01	1.15E+01	1.07E+01	1.58E+01
763	490486.72	3860385.12	1.62742	1.6261	0.78418	2.51488	0.693	1.863	1.6681	1.6261	1.13E+01	3.00E+00	8.16E-05	8.85E-02	2.17E-01	1.75E-01	1.18E+01	1.11E+01	1.56E+01

764	490536.72	3860385.12	1.5919	1.66862	0.63331	2.53653	0.621	1.89	1.7168	1.66862	1.11E+01	3.08E+00	6.59E-05	8.93E-02	1.95E-01	1.78E-01	1.22E+01	1.13E+01	1.55E+01
765	490586.72	3860385.12	1.57628	1.7147	0.57762	2.56111	0.649	1.878	1.7366	1.7147	1.10E+01	3.17E+00	6.01E-05	9.01E-02	2.03E-01	1.76E-01	1.23E+01	1.17E+01	1.53E+01
766	490636.72	3860385.12	1.56367	1.74899	0.60509	2.57522	0.727	1.866	1.7556	1.74899	1.09E+01	3.23E+00	6.30E-05	9.06E-02	2.28E-01	1.75E-01	1.24E+01	1.19E+01	1.52E+01
767	490686.72	3860385.12	1.53985	1.78533	0.66449	2.58018	0.783	1.89	1.7903	1.78533	1.07E+01	3.30E+00	6.92E-05	9.08E-02	2.45E-01	1.78E-01	1.27E+01	1.21E+01	1.51E+01
768	490736.72	3860385.12	1.5133	1.84591	0.74309	2.63047	0.893	1.894	1.8137	1.84591	1.06E+01	3.41E+00	7.74E-05	9.26E-02	2.80E-01	1.78E-01	1.29E+01	1.26E+01	1.48E+01
769	490786.72	3860385.12	1.50635	1.91452	0.64371	2.63837	0.808	1.903	1.8838	1.91452	1.05E+01	3.54E+00	6.70E-05	9.29E-02	2.53E-01	1.79E-01	1.33E+01	1.30E+01	1.49E+01
770	490136.72	3860435.12	1.84617	1.29834	0.36485	2.40057	0.818	1.875	1.3237	1.29834	1.29E+01	2.40E+00	3.80E-05	8.45E-02	2.56E-01	1.76E-01	9.38E+00	8.83E+00	1.63E+01
771	490186.72	3860435.12	1.79501	1.32345	0.41355	2.40144	0.886	1.858	1.3647	1.32345	1.25E+01	2.44E+00	4.31E-05	8.45E-02	2.78E-01	1.75E-01	9.67E+00	9.00E+00	1.62E+01
772	490236.72	3860435.12	1.75697	1.33942	0.39339	2.4096	0.832	1.829	1.4251	1.33942	1.22E+01	2.47E+00	4.10E-05	8.48E-02	2.61E-01	1.72E-01	1.01E+01	9.11E+00	1.62E+01
773	490286.72	3860435.12	1.72659	1.39006	0.43718	2.41888	0.755	1.827	1.4543	1.39006	1.20E+01	2.57E+00	4.55E-05	8.51E-02	2.37E-01	1.72E-01	1.03E+01	9.45E+00	1.60E+01
774	490336.72	3860435.12	1.6989	1.42298	0.44238	2.41665	0.684	1.838	1.4759	1.42298	1.18E+01	2.63E+00	4.61E-05	8.51E-02	2.14E-01	1.73E-01	1.05E+01	9.68E+00	1.57E+01
775	490386.72	3860435.12	1.67739	1.45095	0.47962	2.41686	0.685	1.842	1.5292	1.45095	1.17E+01	2.68E+00	4.99E-05	8.51E-02	2.15E-01	1.73E-01	1.08E+01	9.87E+00	1.58E+01
776	490436.72	3860435.12	1.65321	1.49453	0.53752	2.40191	0.72	1.836	1.5517	1.49453	1.15E+01	2.76E+00	5.60E-05	8.45E-02	2.25E-01	1.73E-01	1.10E+01	1.02E+01	1.56E+01
777	490486.72	3860435.12	1.62679	1.54376	0.63804	2.38745	0.708	1.828	1.5961	1.54376	1.13E+01	2.85E+00	6.64E-05	8.40E-02	2.22E-01	1.72E-01	1.13E+01	1.05E+01	1.55E+01
778	490536.72	3860435.12	1.59803	1.60023	0.68836	2.39992	0.662	1.829	1.6299	1.60023	1.11E+01	2.96E+00	7.17E-05	8.45E-02	2.07E-01	1.72E-01	1.15E+01	1.09E+01	1.52E+01
779	490586.72	3860435.12	1.56496	1.62743	0.53162	2.4101	0.611	1.857	1.6566	1.62743	1.09E+01	3.01E+00	5.53E-05	8.48E-02	1.91E-01	1.75E-01	1.17E+01	1.11E+01	1.50E+01
780	490636.72	3860435.12	1.54415	1.67827	0.52788	2.41609	0.635	1.855	1.6803	1.67827	1.08E+01	3.10E+00	5.50E-05	8.50E-02	1.99E-01	1.74E-01	1.19E+01	1.14E+01	1.48E+01
781	490686.72	3860435.12	1.52243	1.72435	0.54653	2.4504	0.711	1.845	1.7204	1.72435	1.06E+01	3.18E+00	5.69E-05	8.62E-02	2.23E-01	1.73E-01	1.22E+01	1.17E+01	1.47E+01
782	490736.72	3860435.12	1.49347	1.77672	0.59866	2.50061	0.755	1.849	1.7612	1.77672	1.04E+01	3.28E+00	6.23E-05	8.80E-02	2.37E-01	1.74E-01	1.25E+01	1.21E+01	1.46E+01
783	490786.72	3860435.12	1.48455	1.82025	0.67269	2.55413	0.868	1.857	1.7844	1.82025	1.03E+01	3.36E+00	7.00E-05	8.99E-02	2.72E-01	1.75E-01	1.26E+01	1.24E+01	1.45E+01
784	490136.72	3860485.12	1.83737	1.22249	0.33912	2.33575	0.753	1.906	1.1947	1.22249	1.28E+01	2.26E+00	3.53E-05	8.22E-02	2.36E-01	1.79E-01	8.46E+00	8.31E+00	1.57E+01
785	490186.72	3860485.12	1.79886	1.25629	0.3836	2.34514	0.816	1.885	1.2833	1.25629	1.25E+01	2.32E+00	3.99E-05	8.25E-02	2.56E-01	1.77E-01	9.09E+00	8.54E+00	1.59E+01
786	490236.72	3860485.12	1.75019	1.2908	0.39776	2.33628	0.879	1.856	1.3388	1.2908	1.22E+01	2.38E+00	4.14E-05	8.22E-02	2.76E-01	1.74E-01	9.49E+00	8.78E+00	1.58E+01
787	490286.72	3860485.12	1.705	1.3111	0.41319	2.33576	0.797	1.831	1.3986	1.3111	1.19E+01	2.42E+00	4.30E-05	8.22E-02	2.50E-01	1.72E-01	9.91E+00	8.92E+00	1.58E+01
788	490336.72	3860485.12	1.6746	1.34965	0.42084	2.32298	0.722	1.789	1.43	1.34965	1.17E+01	2.49E+00	4.38E-05	8.18E-02	2.26E-01	1.68E-01	1.01E+01	9.18E+00	1.56E+01
789	490386.72	3860485.12	1.64965	1.39614	0.42189	2.30671	0.657	1.782	1.4574	1.39614	1.15E+01	2.58E+00	4.39E-05	8.12E-02	2.06E-01	1.68E-01	1.03E+01	9.49E+00	1.54E+01
790	490436.72	3860485.12	1.63451	1.42667	0.45981	2.30904	0.677	1.78	1.5069	1.42667	1.14E+01	2.63E+00	4.79E-05	8.13E-02	2.12E-01	1.67E-01	1.07E+01	9.70E+00	1.55E+01
791	490486.72	3860485.12	1.61316	1.45105	0.51212	2.28169	0.7	1.783	1.5229	1.45105	1.12E+01	2.68E+00	5.33E-05	8.03E-02	2.19E-01	1.68E-01	1.08E+01	9.87E+00	1.53E+01
792	490536.72	3860485.12	1.58937	1.49446	0.59099	2.2916	0.688	1.779	1.5381	1.49446	1.11E+01	2.76E+00	6.15E-05	8.07E-02	2.16E-01	1.67E-01	1.09E+01	1.02E+01	1.50E+01
793	490586.72	3860485.12	1.56674	1.54485	0.61202	2.30841	0.627	1.812	1.5774	1.54485	1.09E+01	2.85E+00	6.37E-05	8.12E-02	1.97E-01	1.70E-01	1.12E+01	1.05E+01	1.49E+01
794	490636.72	3860485.12	1.54452	1.58392	0.46319	2.32172	0.601	1.808	1.6154	1.58392	1.08E+01	2.93E+00	4.82E-05	8.17E-02	1.88E-01	1.70E-01	1.14E+01	1.08E+01	1.48E+01
795	490686.72	3860485.12	1.51201	1.61841	0.47033	2.31143	0.622	1.81	1.6461	1.61841	1.05E+01	2.99E+00	4.90E-05	8.14E-02	1.95E-01	1.70E-01	1.17E+01	1.10E+01	1.46E+01
796	490736.72	3860485.12	1.49527	1.68459	0.49414	2.37342	0.687	1.817	1.6697	1.68459	1.04E+01	3.11E+00	5.14E-05	8.35E-02	2.15E-01	1.71E-01	1.18E+01	1.15E+01	1.44E+01
797	490786.72	3860485.12	1.46303	1.74753	0.53897	2.34073	0.728	1.835	1.7177	1.74753	1.02E+01	3.23E+00	5.61E-05	8.24E-02	2.28E-01	1.72E-01	1.22E+01	1.19E+01	1.42E+01
798	490136.72	3860535.12	1.82606	1.17491	0.31168	2.28965	0.747	1.872	1.1545	1.17491	1.27E+01	2.17E+00	3.24E-05	8.06E-02	2.34E-01	1.76E-01	8.18E+00	7.99E+00	1.56E+01
799	490186.72	3860535.12	1.79406	1.19371	0.33122	2.28638	0.753	1.891	1.1751	1.19371	1.25E+01	2.20E+00	3.45E-05	8.05E-02	2.36E-01	1.78E-01	8.33E+00	8.12E+00	1.54E+01
800	490236.72	3860535.12	1.75533	1.21994	0.40565	2.26305	0.814	1.901	1.2282	1.21994	1.22E+01	2.25E+00	4.22E-05	7.97E-02	2.55E-01	1.79E-01	8.70E+00	8.30E+00	1.54E+01
801	490286.72	3860535.12	1.7083	1.26716	0.38079	2.24202	0.842	1.911	1.2957	1.26716	1.19E+01	2.34E+00	3.96E-05	7.89E-02	2.64E-01	1.80E-01	9.18E+00	8.62E+00	1.53E+01
802	490336.72	3860535.12	1.67438	1.29321	0.41476	2.1982	0.764	1.864	1.3744	1.29321	1.17E+01	2.39E+00	4.32E-05	7.74E-02	2.40E-01	1.75E-01	9.74E+00	8.79E+00	1.55E+01
803	490386.72	3860535.12	1.64895	1.32013	0.3909	2.16274	0.693	1.799	1.4105	1.32013	1.15E+01	2.44E+00	4.07E-05	7.61E-02	2.17E-01	1.69E-01	9.99E+00	8.98E+00	1.54E+01
804	490436.72	3860535.12	1.62495	1.37554	0.40587	2.18938	0.633	1.771	1.4366	1.37554	1.13E+01	2.54E+00	4.23E-05	7.71E-02	1.98E-01	1.66E-01	1.02E+01	9.35E+00	1.51E+01
805	490486.72	3860535.12	1.60232	1.40566	0.4411	2.1861	0.669	1.753	1.4793	1.40566	1.12E+01	2.60E+00	4.59E-05	7.69E-02	2.10E-01	1.65E-01	1.05E+01	9.56E+00	1.51E+01
806	490536.72	3860535.12	1.58187	1.43598	0.49442	2.18859	0.682	1.757	1.5035	1.43598	1.10E+01	2.65E+00	5.15E-05	7.70E-02	2.14E-01	1.65E-01	1.07E+01	9.76E+00	1.50E+01
807	490586.72	3860535.12	1.55866	1.44245	0.55345	2.22388	0.66	1.741	1.4937	1.44245	1.09E+01	2.66E+00	5.76E-05	7.83E-02	2.07E-01	1.64E-01	1.06E+01	9.81E+00	1.48E+01
808	490636.72	3860535.12	1.53796	1.48862	0.55257	2.22567	0.604	1.757	1.5134	1.48862	1.07E+01	2.75E+00	5.75E-05	7.83E-02	1.89E-01	1.65E-01	1.07E+01	1.01E+01	1.45E+01
809	490686.72	3860535.12	1.51736	1.54509	0.43777	2.19749	0.591	1.793	1.5661	1.54509	1.06E+01	2.85E+00	4.56E-05	7.73E-02	1.85E-01	1.68E-01	1.11E+01	1.05E+01	1.45E+01
810	490736.72	3860535.12	1.48797	1.58472	0.43566	2.21082	0.608	1.794	1.6008	1.58472	1.04E+01	2.93E+00	4.54E-05	7.78E-02	1.91E-01	1.69E-01	1.13E+01	1.08E+01	1.43E+01
811	490786.72	3860535.12	1.46412	1.63757	0.45018	2.2103	0.663	1.787	1.6311	1.63757	1.02E+01	3.02E+00	4.69E-05	7.78E-02	2.08E-01	1.68E-01	1.16E+01	1.11E+01	1.41E+01
812	490136.72	3860585.12	1.80293	1.13751	0.29176	2.24837	0.778	1.86	1.1198	1.13751	1.26E+01	2.10E+00	3.04E-05	7.91E-02	2.44E-01	1.75E-01	7.93E+00	7.73E+00	1.54E+01
813	490186.72	3860585.12	1.76966	1.1533	0.30171	2.20224	0.712	1.852	1.1353	1.1533	1.23E+01	2.13E+00	3.14E-05	7.75E-02	2.23E-01	1.74E-01	8.04E+00	7.84E+00	1.51E+01
814	490236.72	3860585.12	1.74831	1.17413	0.34453	2.20106	0.747	1.867	1.1631	1.17413	1.22E+01	2.17E+00	3.59E-05	7.75E-02	2.34E-01	1.75E-01	8.24E+00	7.98E+00	1.51E+01
815	490286.72	3860585.12	1.72063	1.19606	0.38455	2.20515	0.81	1.886	1.2132	1.19606	1.20E+01	2.21E+00	4.00E-05	7.76E-02	2.54E-01	1.77E-01	8.60E+00	8.13E+00	1.52E+01
816	490336.72	3860585.12	1.67781	1.23933	0.40148	2.13763	0.807	1.884	1.2792	1.23933	1.17E+01	2.29E+00	4.18E-05	7.52E-02	2.53E-01	1.77E-01	9.06E+00	8.43E+00	1.51E+01
817	490386.72	3860585.12	1.64505	1.27471	0.39279	2.0861	0.732	1.849	1.3361	1.27471	1.15E+01	2.35E+00	4.09E-05	7.34E-02	2.29E-01	1.74E-01	9.47E+00	8.67E+00	1.51E+01
818	490436.72	3860585.12	1.6267	1.30467	0.37359	2.1135	0.654	1.816	1.3469	1.30467	1.13E+01	2.41E+00	3.89E-05	7.44E-02	2.05E-01	1.71E-01	9.54E+00	8.87E+00	1.49E+01
819	490486.72	3860585.12	1.60611	1.34535	0.39471	2.14941	0.613	1.769	1.3913	1.34535	1.12E+01	2.48E+00	4.11E-05	7.57E-02	1.92E-01	1.66E-01	9.86E+00	9.15E+00	1.48E+01
820	490536.72	3860585.12	1.57366	1.38869	0.4267	2.14647	0.663	1.739	1.457	1.38869	1.10E+01	2.56E+00	4.44E-05	7.55E-02	2.08E-01	1.63E-01	1.03E+01	9.44E+00	1.49E+01
821	490586.72	3860585.12	1.53888	1.38943	0.46658	2.09817	0.66	1.724	1.4419	1.38943	1.07E+01	2.57E+00	4.86E-05	7.38E-02	2.07E-01	1.62E-01	1.02E+01	9.45E+00	1.45E+01
822	490636.72	3860585.12	1.52089	1.40926	0.52282	2.07867	0.629	1.723	1.451	1.40926	1.06E+01	2.60E+00	5.44E-05	7.32E-02	1.97E-01	1.62E-01	1.03E+01	9.58E+00	1.43E+01

823	490686.72	3860585.12	1.50268	1.442	0.50417	2.03663	0.593	1.73	1.4652	1.442	1.05E+01	2.66E+00	5.25E-05	7.17E-02	1.86E-01	1.63E-01	1.04E+01	9.81E+00	1.41E+01
824	490736.72	3860585.12	1.48395	1.49598	0.42462	2.09816	0.582	1.771	1.4993	1.49598	1.03E+01	2.76E+00	4.42E-05	7.38E-02	1.82E-01	1.66E-01	1.06E+01	1.02E+01	1.40E+01
825	490786.72	3860585.12	1.45561	1.54963	0.41037	2.13943	0.59	1.767	1.5346	1.54963	1.01E+01	2.86E+00	4.27E-05	7.53E-02	1.85E-01	1.66E-01	1.09E+01	1.05E+01	1.38E+01
826	490136.72	3860635.12	1.77497	1.10167	0.26971	2.23271	0.753	1.837	1.0883	1.10167	1.24E+01	2.03E+00	2.81E-05	7.86E-02	2.36E-01	1.73E-01	7.71E+00	7.49E+00	1.51E+01
827	490186.72	3860635.12	1.74364	1.12294	0.28639	2.17565	0.734	1.832	1.1064	1.12294	1.22E+01	2.07E+00	2.98E-05	7.66E-02	2.30E-01	1.72E-01	7.84E+00	7.64E+00	1.49E+01
828	490236.72	3860635.12	1.71271	1.14571	0.30417	2.15334	0.691	1.803	1.1265	1.14571	1.19E+01	2.12E+00	3.17E-05	7.58E-02	2.16E-01	1.69E-01	7.98E+00	7.79E+00	1.47E+01
829	490286.72	3860635.12	1.6844	1.16567	0.36669	2.14146	0.744	1.82	1.1534	1.16567	1.17E+01	2.15E+00	3.82E-05	7.54E-02	2.33E-01	1.71E-01	8.17E+00	7.93E+00	1.46E+01
830	490336.72	3860635.12	1.65684	1.18786	0.3491	2.10127	0.807	1.85	1.1993	1.18786	1.16E+01	2.19E+00	3.63E-05	7.40E-02	2.53E-01	1.74E-01	8.50E+00	8.08E+00	1.47E+01
831	490386.72	3860635.12	1.61333	1.21648	0.39052	2.06177	0.774	1.833	1.2616	1.21648	1.12E+01	2.25E+00	4.07E-05	7.26E-02	2.42E-01	1.72E-01	8.94E+00	8.27E+00	1.46E+01
832	490436.72	3860635.12	1.58049	1.25656	0.3646	2.03329	0.702	1.803	1.3038	1.25656	1.10E+01	2.32E+00	3.80E-05	7.16E-02	2.20E-01	1.70E-01	9.24E+00	8.54E+00	1.45E+01
833	490486.72	3860635.12	1.55954	1.27712	0.36008	2.03478	0.599	1.769	1.3083	1.27712	1.09E+01	2.36E+00	3.75E-05	7.16E-02	1.88E-01	1.66E-01	9.27E+00	8.68E+00	1.42E+01
834	490536.72	3860635.12	1.53467	1.31167	0.3796	2.06104	0.603	1.741	1.3307	1.31167	1.07E+01	2.42E+00	3.95E-05	7.25E-02	1.89E-01	1.64E-01	9.43E+00	8.92E+00	1.41E+01
835	490586.72	3860635.12	1.50396	1.33253	0.40886	2.03427	0.652	1.697	1.3696	1.33253	1.05E+01	2.46E+00	4.26E-05	7.16E-02	2.04E-01	1.59E-01	9.70E+00	9.06E+00	1.40E+01
836	490636.72	3860635.12	1.47495	1.36756	0.43854	2.01256	0.639	1.685	1.4126	1.36756	1.03E+01	2.53E+00	4.57E-05	7.08E-02	2.00E-01	1.58E-01	1.00E+01	9.30E+00	1.39E+01
837	490686.72	3860635.12	1.46153	1.38182	0.4959	1.97167	0.599	1.686	1.4227	1.38182	1.02E+01	2.55E+00	5.16E-05	6.94E-02	1.88E-01	1.59E-01	1.01E+01	9.40E+00	1.38E+01
838	490736.72	3860635.12	1.45265	1.39604	0.43801	1.9652	0.583	1.7	1.4314	1.39604	1.01E+01	2.58E+00	4.56E-05	6.92E-02	1.83E-01	1.60E-01	1.01E+01	9.49E+00	1.38E+01
839	490786.72	3860635.12	1.44978	1.44839	0.41251	2.04199	0.573	1.729	1.453	1.44839	1.01E+01	2.68E+00	4.29E-05	7.19E-02	1.80E-01	1.63E-01	1.03E+01	9.85E+00	1.36E+01
840	490136.72	3860685.12	1.73242	1.08394	0.24727	2.18994	0.753	1.783	1.0627	1.08394	1.21E+01	2.00E+00	2.57E-05	7.71E-02	2.36E-01	1.68E-01	7.53E+00	7.37E+00	1.47E+01
841	490186.72	3860685.12	1.70929	1.09188	0.2755	2.16398	0.727	1.807	1.0687	1.09188	1.19E+01	2.02E+00	2.87E-05	7.62E-02	2.28E-01	1.70E-01	7.57E+00	7.42E+00	1.46E+01
842	490236.72	3860685.12	1.68245	1.11366	0.2777	2.12946	0.697	1.785	1.0927	1.11366	1.17E+01	2.06E+00	2.89E-05	7.49E-02	2.19E-01	1.68E-01	7.74E+00	7.57E+00	1.44E+01
843	490286.72	3860685.12	1.65452	1.13917	0.31589	2.07902	0.689	1.752	1.1123	1.13917	1.15E+01	2.10E+00	3.29E-05	7.32E-02	2.16E-01	1.65E-01	7.88E+00	7.75E+00	1.42E+01
844	490336.72	3860685.12	1.63445	1.16022	0.33968	2.06272	0.742	1.782	1.1429	1.16022	1.14E+01	2.14E+00	3.54E-05	7.26E-02	2.32E-01	1.67E-01	8.10E+00	7.89E+00	1.42E+01
845	490386.72	3860685.12	1.60982	1.17837	0.34152	2.04815	0.803	1.785	1.1868	1.17837	1.12E+01	2.18E+00	3.56E-05	7.21E-02	2.52E-01	1.68E-01	8.41E+00	8.01E+00	1.43E+01
846	490436.72	3860685.12	1.56988	1.18828	0.37193	1.99787	0.742	1.789	1.2351	1.18828	1.09E+01	2.19E+00	3.87E-05	7.03E-02	2.32E-01	1.68E-01	8.75E+00	8.08E+00	1.43E+01
847	490486.72	3860685.12	1.53844	1.22011	0.34442	1.97395	0.674	1.753	1.2666	1.22011	1.07E+01	2.25E+00	3.59E-05	6.95E-02	2.11E-01	1.65E-01	8.97E+00	8.30E+00	1.41E+01
848	490536.72	3860685.12	1.52034	1.25435	0.35391	1.98201	0.572	1.717	1.2799	1.25435	1.06E+01	2.32E+00	3.68E-05	6.98E-02	1.79E-01	1.61E-01	9.07E+00	8.53E+00	1.39E+01
849	490586.72	3860685.12	1.49809	1.27265	0.36833	1.99914	0.594	1.682	1.3046	1.27265	1.04E+01	2.35E+00	3.83E-05	7.04E-02	1.86E-01	1.58E-01	9.24E+00	8.65E+00	1.38E+01
850	490636.72	3860685.12	1.47073	1.31519	0.39589	1.95665	0.644	1.651	1.342	1.31519	1.03E+01	2.43E+00	4.12E-05	6.89E-02	2.02E-01	1.55E-01	9.51E+00	8.94E+00	1.37E+01
851	490686.72	3860685.12	1.4438	1.33976	0.41554	1.91873	0.619	1.632	1.3631	1.33976	1.01E+01	2.47E+00	4.33E-05	6.75E-02	1.94E-01	1.53E-01	9.66E+00	9.11E+00	1.35E+01
852	490736.72	3860685.12	1.42812	1.3511	0.46914	1.89072	0.574	1.641	1.3878	1.3511	9.96E+00	2.50E+00	4.88E-05	6.65E-02	1.80E-01	1.54E-01	9.83E+00	9.19E+00	1.35E+01
853	490786.72	3860685.12	1.41946	1.37568	0.38599	1.93057	0.575	1.672	1.4145	1.37568	9.90E+00	2.54E+00	4.02E-05	6.79E-02	1.80E-01	1.57E-01	1.00E+01	9.35E+00	1.35E+01
854	490136.72	3860735.12	1.68238	1.06657	0.24745	2.12896	0.813	1.729	1.0199	1.06657	1.17E+01	1.97E+00	2.58E-05	7.49E-02	2.55E-01	1.63E-01	7.23E+00	7.25E+00	1.42E+01
855	490186.72	3860735.12	1.63301	1.06681	0.25015	2.08828	0.716	1.728	1.028	1.06681	1.14E+01	1.97E+00	2.60E-05	7.35E-02	2.24E-01	1.62E-01	7.28E+00	7.25E+00	1.38E+01
856	490236.72	3860735.12	1.58661	1.08218	0.26465	2.05817	0.705	1.737	1.0435	1.08218	1.11E+01	2.00E+00	2.76E-05	7.24E-02	2.21E-01	1.63E-01	7.39E+00	7.36E+00	1.36E+01
857	490286.72	3860735.12	1.55948	1.11493	0.28316	2.04174	0.667	1.727	1.0819	1.11493	1.09E+01	2.06E+00	2.95E-05	7.19E-02	2.09E-01	1.62E-01	7.67E+00	7.58E+00	1.35E+01
858	490336.72	3860735.12	1.53735	1.13081	0.33064	2.02885	0.684	1.695	1.0985	1.13081	1.07E+01	2.09E+00	3.44E-05	7.14E-02	2.14E-01	1.59E-01	7.78E+00	7.69E+00	1.33E+01
859	490386.72	3860735.12	1.51552	1.14665	0.31017	2.02659	0.74	1.703	1.1287	1.14665	1.06E+01	2.12E+00	3.23E-05	7.13E-02	2.32E-01	1.60E-01	8.00E+00	7.80E+00	1.33E+01
860	490436.72	3860735.12	1.49009	1.16476	0.36781	1.99041	0.783	1.711	1.1747	1.16476	1.04E+01	2.15E+00	3.83E-05	7.01E-02	2.45E-01	1.61E-01	8.32E+00	7.92E+00	1.34E+01
861	490486.72	3860735.12	1.45572	1.17515	0.3514	1.95005	0.71	1.731	1.2157	1.17515	1.01E+01	2.17E+00	3.66E-05	6.86E-02	2.22E-01	1.63E-01	8.61E+00	7.99E+00	1.34E+01
862	490536.72	3860735.12	1.42845	1.19076	0.33957	1.92798	0.628	1.703	1.2362	1.19076	9.96E+00	2.20E+00	3.54E-05	6.79E-02	1.97E-01	1.60E-01	8.76E+00	8.10E+00	1.32E+01
863	490586.72	3860735.12	1.42571	1.23004	0.34939	1.93564	0.553	1.677	1.2599	1.23004	9.94E+00	2.27E+00	3.64E-05	6.81E-02	1.73E-01	1.58E-01	8.93E+00	8.36E+00	1.32E+01
864	490636.72	3860735.12	1.41728	1.24793	0.36105	1.92805	0.586	1.652	1.2844	1.24793	9.88E+00	2.30E+00	3.76E-05	6.79E-02	1.84E-01	1.55E-01	9.10E+00	8.49E+00	1.32E+01
865	490686.72	3860735.12	1.41069	1.28882	0.3836	1.86535	0.636	1.633	1.3184	1.28882	9.83E+00	2.38E+00	3.99E-05	6.57E-02	1.99E-01	1.53E-01	9.34E+00	8.76E+00	1.32E+01
866	490736.72	3860735.12	1.39745	1.31671	0.39799	1.84176	0.605	1.605	1.3466	1.31671	9.74E+00	2.43E+00	4.14E-05	6.48E-02	1.90E-01	1.51E-01	9.54E+00	8.95E+00	1.32E+01
867	490136.72	3860785.12	1.62108	1.03905	0.24704	2.10255	0.858	1.677	0.9809	1.03905	1.13E+01	1.92E+00	2.57E-05	7.40E-02	2.69E-01	1.58E-01	6.95E+00	7.07E+00	1.36E+01
868	490186.72	3860785.12	1.58465	1.04428	0.23519	2.06543	0.742	1.66	0.9929	1.04428	1.10E+01	1.93E+00	2.45E-05	7.27E-02	2.33E-01	1.56E-01	7.03E+00	7.10E+00	1.34E+01
869	490236.72	3860785.12	1.55726	1.05109	0.24907	2.02739	0.687	1.66	1.0059	1.05109	1.09E+01	1.94E+00	2.59E-05	7.14E-02	2.15E-01	1.56E-01	7.13E+00	7.15E+00	1.32E+01
870	490286.72	3860785.12	1.51338	1.05914	0.25854	2.00435	0.669	1.658	1.0203	1.05914	1.06E+01	1.96E+00	2.69E-05	7.05E-02	2.10E-01	1.56E-01	7.23E+00	7.20E+00	1.30E+01
871	490336.72	3860785.12	1.48107	1.06923	0.29262	1.99152	0.641	1.642	1.0365	1.06923	1.03E+01	1.97E+00	3.05E-05	7.01E-02	2.01E-01	1.54E-01	7.34E+00	7.27E+00	1.28E+01
872	490386.72	3860785.12	1.46762	1.08473	0.30361	1.98622	0.683	1.635	1.0533	1.08473	1.02E+01	2.00E+00	3.16E-05	6.99E-02	2.14E-01	1.54E-01	7.46E+00	7.38E+00	1.28E+01
873	490436.72	3860785.12	1.45384	1.11625	0.2917	1.97598	0.737	1.645	1.1	1.11625	1.01E+01	2.06E+00	3.04E-05	6.95E-02	2.31E-01	1.55E-01	7.79E+00	7.59E+00	1.29E+01
874	490486.72	3860785.12	1.4353	1.14531	0.3518	1.93577	0.75	1.644	1.1544	1.14531	1.00E+01	2.12E+00	3.66E-05	6.81E-02	2.35E-01	1.54E-01	8.18E+00	7.79E+00	1.30E+01
875	490536.72	3860785.12	1.4092	1.15673	0.33064	1.90064	0.681	1.657	1.1918	1.15673	9.82E+00	2.14E+00	3.44E-05	6.69E-02	2.13E-01	1.56E-01	8.44E+00	7.87E+00	1.30E+01
876	490586.72	3860785.12	1.3839	1.16538	0.33613	1.87346	0.578	1.649	1.2066	1.16538	9.65E+00	2.15E+00	3.50E-05	6.59E-02	1.81E-01	1.55E-01	8.55E+00	7.92E+00	1.28E+01
877	490636.72	3860785.12	1.3706	1.20008	0.34444	1.88434	0.545	1.626	1.2412	1.20008	9.56E+00	2.22E+00	3.59E-05	6.63E-02	1.71E-01	1.53E-01	8.79E+00	8.16E+00	1.28E+01
878	490686.72	3860785.12	1.35603	1.22969	0.35518	1.82809	0.578	1.603	1.2675	1.22969	9.45E+00	2.27E+00	3.70E-05	6.43E-02	1.81E-01	1.51E-01	8.98E+00	8.36E+00	1.27E+01
879	490736.72	3860785.12	1.34098	1.25365	0.36317	1.76652	0.625	1.598	1.299	1.25365	9.35E+00	2.32E+00	3.78E-05	6.22E-02	1.96E-01	1.50E-01	9.20E+00	8.52E+00	1.28E+01
880	490086.72	3860835.12	1.60737	1.00753	0.20976	2.12597	0.959	1.68	0.9253	1.00753	1.12E+01	1.86E+00	2.18E-05	7.48E-02	3.00E-01	1.58E-01	6.56E+00	6.85E+00	1.33E+01
881	490136.72	3860835.12	1.595	1.01938	0.22577	2.0907	0.887	1.666	0.9452	1.01938	1.11E+01	1.88E+00	2.35E-05	7.36E-02	2.78E-01	1.57E-01	6.70E+00	6.93E+00	1.33E+01

882	490186.72	3860835.12	1.5672	1.02492	0.22013	2.03823	0.806	1.647	0.9628	1.02492	1.09E+01	1.89E+00	2.29E-05	7.17E-02	2.52E-01	1.55E-01	6.82E+00	6.97E+00	1.32E+01
883	490236.72	3860835.12	1.53505	1.0303	0.23635	2.00881	0.685	1.626	0.9731	1.0303	1.07E+01	1.90E+00	2.46E-05	7.07E-02	2.15E-01	1.53E-01	6.89E+00	7.01E+00	1.29E+01
884	490286.72	3860835.12	1.50211	1.03862	0.24904	1.97117	0.662	1.615	0.9873	1.03862	1.05E+01	1.92E+00	2.59E-05	6.94E-02	2.07E-01	1.52E-01	7.00E+00	7.06E+00	1.28E+01
885	490336.72	3860835.12	1.46798	1.04142	0.26527	1.96548	0.647	1.608	1.0045	1.04142	1.02E+01	1.92E+00	2.76E-05	6.92E-02	2.03E-01	1.51E-01	7.12E+00	7.08E+00	1.26E+01
886	490386.72	3860835.12	1.42907	1.05118	0.2996	1.95466	0.627	1.584	1.0175	1.05118	9.96E+00	1.94E+00	3.12E-05	6.88E-02	1.96E-01	1.49E-01	7.21E+00	7.15E+00	1.24E+01
887	490436.72	3860835.12	1.40761	1.06811	0.27802	1.93158	0.68	1.578	1.033	1.06811	9.81E+00	1.97E+00	2.89E-05	6.80E-02	2.13E-01	1.48E-01	7.32E+00	7.26E+00	1.23E+01
888	490486.72	3860835.12	1.39674	1.08423	0.31622	1.91114	0.735	1.564	1.0654	1.08423	9.74E+00	2.00E+00	3.29E-05	6.73E-02	2.30E-01	1.47E-01	7.55E+00	7.37E+00	1.24E+01
889	490536.72	3860835.12	1.37738	1.09749	0.33515	1.86745	0.718	1.547	1.1061	1.09749	9.60E+00	2.03E+00	3.49E-05	6.57E-02	2.25E-01	1.45E-01	7.84E+00	7.46E+00	1.24E+01
890	490586.72	3860835.12	1.35102	1.11595	0.32414	1.83987	0.653	1.544	1.1496	1.11595	9.42E+00	2.06E+00	3.37E-05	6.48E-02	2.05E-01	1.45E-01	8.15E+00	7.59E+00	1.25E+01
891	490636.72	3860835.12	1.32644	1.14977	0.3324	1.83377	0.533	1.536	1.1882	1.14977	9.25E+00	2.12E+00	3.46E-05	6.45E-02	1.67E-01	1.44E-01	8.42E+00	7.82E+00	1.23E+01
892	490686.72	3860835.12	1.31063	1.17632	0.33961	1.79866	0.542	1.523	1.2256	1.17632	9.14E+00	2.17E+00	3.54E-05	6.33E-02	1.70E-01	1.43E-01	8.68E+00	8.00E+00	1.24E+01
893	490736.72	3860835.12	1.29991	1.21321	0.34951	1.73408	0.57	1.507	1.2553	1.21321	9.06E+00	2.24E+00	3.64E-05	6.10E-02	1.79E-01	1.42E-01	8.89E+00	8.25E+00	1.23E+01
894	490086.72	3860885.12	1.55801	0.98757	0.23209	2.09824	0.973	1.591	0.9024	0.98757	1.09E+01	1.82E+00	2.42E-05	7.38E-02	3.05E-01	1.50E-01	6.39E+00	6.72E+00	1.29E+01
895	490136.72	3860885.12	1.53256	0.99476	0.20189	2.07122	0.914	1.574	0.9101	0.99476	1.07E+01	1.84E+00	2.10E-05	7.29E-02	2.86E-01	1.48E-01	6.45E+00	6.76E+00	1.27E+01
896	490186.72	3860885.12	1.52712	1.00444	0.20767	2.0186	0.843	1.567	0.9273	1.00444	1.06E+01	1.86E+00	2.16E-05	7.10E-02	2.64E-01	1.47E-01	6.57E+00	6.83E+00	1.27E+01
897	490236.72	3860885.12	1.51101	1.01226	0.22228	1.98515	0.739	1.549	0.9475	1.01226	1.05E+01	1.87E+00	2.31E-05	6.99E-02	2.32E-01	1.46E-01	6.71E+00	6.88E+00	1.27E+01
898	490286.72	3860885.12	1.4846	1.01697	0.23576	1.95351	0.659	1.539	0.9554	1.01697	1.04E+01	1.88E+00	2.45E-05	6.88E-02	2.06E-01	1.45E-01	6.77E+00	6.92E+00	1.25E+01
899	490336.72	3860885.12	1.44706	1.02372	0.24599	1.91224	0.638	1.509	0.9696	1.02372	1.01E+01	1.89E+00	2.56E-05	6.73E-02	2.00E-01	1.42E-01	6.87E+00	6.96E+00	1.23E+01
900	490386.72	3860885.12	1.42722	1.02753	0.27202	1.93626	0.624	1.502	0.9897	1.02753	9.95E+00	1.90E+00	2.83E-05	6.81E-02	1.96E-01	1.41E-01	7.01E+00	6.99E+00	1.23E+01
901	490436.72	3860885.12	1.39245	1.03893	0.27392	1.91801	0.628	1.497	1.0038	1.03893	9.71E+00	1.92E+00	2.85E-05	6.75E-02	1.97E-01	1.41E-01	7.11E+00	7.06E+00	1.21E+01
902	490486.72	3860885.12	1.37422	1.055	0.25516	1.88377	0.678	1.475	1.0173	1.055	9.58E+00	1.95E+00	2.66E-05	6.63E-02	2.13E-01	1.39E-01	7.21E+00	7.17E+00	1.20E+01
903	490536.72	3860885.12	1.36001	1.06945	0.32989	1.85914	0.732	1.455	1.0497	1.06945	9.48E+00	1.98E+00	3.43E-05	6.54E-02	2.29E-01	1.37E-01	7.44E+00	7.27E+00	1.21E+01
904	490586.72	3860885.12	1.33588	1.08173	0.31547	1.82467	0.685	1.448	1.0881	1.08173	9.31E+00	2.00E+00	3.28E-05	6.42E-02	2.15E-01	1.36E-01	7.71E+00	7.36E+00	1.21E+01
905	490636.72	3860885.12	1.30749	1.09354	0.32043	1.79886	0.604	1.432	1.1171	1.09354	9.12E+00	2.02E+00	3.34E-05	6.33E-02	1.89E-01	1.35E-01	7.91E+00	7.44E+00	1.20E+01
906	490686.72	3860885.12	1.2814	1.1077	0.32834	1.76672	0.492	1.421	1.1434	1.1077	8.93E+00	2.05E+00	3.42E-05	6.22E-02	1.54E-01	1.34E-01	8.10E+00	7.53E+00	1.19E+01
907	490736.72	3860885.12	1.2723	1.12329	0.33516	1.70584	0.538	1.404	1.1792	1.12329	8.87E+00	2.07E+00	3.49E-05	6.00E-02	1.69E-01	1.32E-01	8.36E+00	7.64E+00	1.20E+01
908	490086.72	3860935.12	1.49373	0.94147	0.24035	2.09084	0.931	1.515	0.8547	0.94147	1.04E+01	1.74E+00	2.50E-05	7.36E-02	2.92E-01	1.42E-01	6.06E+00	6.40E+00	1.23E+01
909	490136.72	3860935.12	1.49591	0.9671	0.22339	2.04287	0.935	1.488	0.8875	0.9671	1.04E+01	1.79E+00	2.33E-05	7.19E-02	2.93E-01	1.40E-01	6.29E+00	6.58E+00	1.24E+01
910	490186.72	3860935.12	1.46894	0.97718	0.19946	2.00194	0.87	1.488	0.9032	0.97718	1.02E+01	1.80E+00	2.08E-05	7.05E-02	2.72E-01	1.40E-01	6.40E+00	6.64E+00	1.23E+01
911	490236.72	3860935.12	1.44676	0.98627	0.21121	1.94747	0.8	1.487	0.9218	0.98627	1.01E+01	1.82E+00	2.20E-05	6.85E-02	2.51E-01	1.40E-01	6.53E+00	6.71E+00	1.22E+01
912	490286.72	3860935.12	1.43994	0.99906	0.22197	1.91796	0.68	1.48	0.938	0.99906	1.00E+01	1.85E+00	2.31E-05	6.75E-02	2.13E-01	1.39E-01	6.65E+00	6.79E+00	1.22E+01
913	490336.72	3860935.12	1.43178	1.00215	0.23109	1.89086	0.634	1.469	0.9378	1.00215	9.98E+00	1.85E+00	2.41E-05	6.66E-02	1.98E-01	1.38E-01	6.64E+00	6.81E+00	1.21E+01
914	490386.72	3860935.12	1.39245	1.0105	0.25119	1.89468	0.618	1.455	0.9569	1.0105	9.71E+00	1.87E+00	2.62E-05	6.67E-02	1.94E-01	1.37E-01	6.78E+00	6.87E+00	1.19E+01
915	490436.72	3860935.12	1.38395	1.01593	0.27519	1.90225	0.601	1.435	0.9769	1.01593	9.65E+00	1.88E+00	2.86E-05	6.70E-02	1.88E-01	1.35E-01	6.92E+00	6.91E+00	1.19E+01
916	490486.72	3860935.12	1.34833	1.02711	0.25338	1.86914	0.629	1.432	0.9885	1.02711	9.40E+00	1.90E+00	2.64E-05	6.58E-02	1.97E-01	1.35E-01	7.00E+00	6.98E+00	1.17E+01
917	490536.72	3860935.12	1.3369	1.04313	0.27153	1.83941	0.677	1.414	1.0017	1.04313	9.32E+00	1.93E+00	2.83E-05	6.47E-02	2.12E-01	1.33E-01	7.10E+00	7.09E+00	1.17E+01
918	490586.72	3860935.12	1.32698	1.05612	0.31751	1.8098	0.724	1.397	1.0351	1.05612	9.25E+00	1.95E+00	3.31E-05	6.37E-02	2.27E-01	1.31E-01	7.33E+00	7.18E+00	1.18E+01
919	490636.72	3860935.12	1.30161	1.06748	0.3092	1.78385	0.658	1.382	1.0727	1.06748	9.07E+00	1.97E+00	3.22E-05	6.28E-02	2.06E-01	1.30E-01	7.60E+00	7.26E+00	1.18E+01
920	490686.72	3860935.12	1.27405	1.08182	0.3171	1.73653	0.557	1.362	1.0968	1.08182	8.88E+00	2.00E+00	3.30E-05	6.11E-02	1.75E-01	1.28E-01	7.77E+00	7.36E+00	1.17E+01
921	490736.72	3860935.12	1.25186	1.09582	0.32402	1.69513	0.476	1.344	1.1296	1.09582	8.73E+00	2.02E+00	3.37E-05	5.97E-02	1.49E-01	1.26E-01	8.00E+00	7.45E+00	1.16E+01
922	490786.72	3860935.12	1.24142	1.1074	0.33044	1.6436	0.535	1.32	1.1613	1.1074	8.65E+00	2.05E+00	3.44E-05	5.78E-02	1.68E-01	1.24E-01	8.23E+00	7.53E+00	1.17E+01
923	490836.72	3860935.12	1.24523	1.13257	0.32931	1.58631	0.556	1.316	1.189	1.13257	8.68E+00	2.09E+00	3.43E-05	5.58E-02	1.74E-01	1.24E-01	8.42E+00	7.70E+00	1.19E+01
924	490086.72	3860985.12	1.41999	0.91187	0.2352	2.0681	0.831	1.461	0.8183	0.91187	9.90E+00	1.68E+00	2.45E-05	7.28E-02	2.60E-01	1.37E-01	5.80E+00	6.20E+00	1.17E+01
925	490136.72	3860985.12	1.39033	0.9219	0.23647	2.01149	0.92	1.447	0.8272	0.9219	9.69E+00	1.70E+00	2.46E-05	7.08E-02	2.88E-01	1.36E-01	5.86E+00	6.27E+00	1.15E+01
926	490186.72	3860985.12	1.38556	0.93761	0.21235	1.9794	0.896	1.445	0.851	0.93761	9.66E+00	1.73E+00	2.21E-05	6.97E-02	2.81E-01	1.36E-01	6.03E+00	6.38E+00	1.15E+01
927	490236.72	3860985.12	1.38771	0.95192	0.19549	1.93065	0.828	1.439	0.8685	0.95192	9.67E+00	1.76E+00	2.04E-05	6.80E-02	2.59E-01	1.35E-01	6.15E+00	6.47E+00	1.16E+01
928	490286.72	3860985.12	1.3725	0.96192	0.21479	1.88884	0.735	1.43	0.8898	0.96192	9.57E+00	1.78E+00	2.24E-05	6.65E-02	2.30E-01	1.34E-01	6.30E+00	6.54E+00	1.15E+01
929	490336.72	3860985.12	1.36919	0.99288	0.22096	1.8652	0.632	1.415	0.92	0.99288	9.55E+00	1.83E+00	2.30E-05	6.56E-02	1.98E-01	1.33E-01	6.52E+00	6.75E+00	1.15E+01
930	490386.72	3860985.12	1.35672	1.00479	0.22993	1.85801	0.611	1.395	0.9285	1.00479	9.46E+00	1.86E+00	2.39E-05	6.54E-02	1.91E-01	1.31E-01	6.58E+00	6.83E+00	1.14E+01
931	490436.72	3860985.12	1.34071	1.01359	0.25737	1.8725	0.599	1.383	0.9517	1.01359	9.35E+00	1.87E+00	2.68E-05	6.59E-02	1.88E-01	1.30E-01	6.74E+00	6.89E+00	1.15E+01
932	490486.72	3860985.12	1.33583	1.01866	0.25352	1.85454	0.578	1.361	0.9765	1.01866	9.31E+00	1.88E+00	2.64E-05	6.53E-02	1.81E-01	1.28E-01	6.92E+00	6.93E+00	1.16E+01
933	490536.72	3860985.12	1.30399	1.02559	0.23877	1.8156	0.628	1.335	0.9844	1.02559	9.09E+00	1.89E+00	2.49E-05	6.39E-02	1.97E-01	1.26E-01	6.98E+00	6.97E+00	1.14E+01
934	490586.72	3860985.12	1.29866	1.03657	0.29466	1.78769	0.674	1.317	0.9947	1.03657	9.05E+00	1.91E+00	3.07E-05	6.29E-02	2.11E-01	1.24E-01	7.05E+00	7.05E+00	1.14E+01
935	490636.72	3860985.12	1.29627	1.04662	0.30097	1.76305	0.694	1.316	1.0251	1.04662	9.04E+00	1.93E+00	3.13E-05	6.21E-02	2.18E-01	1.24E-01	7.26E+00	7.12E+00	1.15E+01
936	490686.72	3860985.12	1.27434	1.05943	0.30369	1.69994	0.63	1.318	1.0617	1.05943	8.88E+00	1.96E+00	3.16E-05	5.98E-02	1.97E-01	1.24E-01	7.52E+00	7.20E+00	1.15E+01
937	490736.72	3860985.12	1.24673	1.07059	0.31321	1.64548	0.514	1.301	1.0839	1.07059	8.69E+00	1.98E+00	3.26E-05	5.79E-02	1.61E-01	1.22E-01	7.68E+00	7.28E+00	1.14E+01
938	490786.72	3860985.12	1.2217	1.08216	0.31952	1.60564	0.474	1.281	1.1165	1.08216	8.52E+00	2.00E+00	3.33E-05	5.65E-02	1.48E-01	1.20E-01	7.91E+00	7.36E+00	1.14E+01
939	490836.72	3860985.12	1.20999	1.09568	0.32447	1.57442	0.532	1.27	1.1476	1.09568	8.44E+00	2.02E+00	3.38E-05	5.54E-02	1.67E-01	1.19E-01	8.13E+00	7.45E+00	1.15E+01
940	490086.72	3861035.12	1.37277	0.87796	0.22873	2.02054	0.777	1.52	0.7942	0.87796	9.57E+00	1.62E+00	2.38E-05	7.11E-02	2.43E-01	1.43E-01	5.63E+00	5.97E+00	1.13E+01

941	490136.72	3861035.12	1.35898	0.89416	0.23514	1.9822	0.852	1.471	0.804	0.89416	9.47E+00	1.65E+00	2.45E-05	6.98E-02	2.67E-01	1.38E-01	5.70E+00	6.08E+00	1.12E+01
942	490186.72	3861035.12	1.35213	0.91773	0.23121	1.94781	0.89	1.441	0.8189	0.91773	9.43E+00	1.69E+00	2.41E-05	6.86E-02	2.79E-01	1.35E-01	5.80E+00	6.24E+00	1.12E+01
943	490236.72	3861035.12	1.33822	0.93152	0.1918	1.91952	0.854	1.417	0.8362	0.93152	9.33E+00	1.72E+00	2.00E-05	6.76E-02	2.68E-01	1.33E-01	5.92E+00	6.33E+00	1.11E+01
944	490286.72	3861035.12	1.3299	0.94362	0.20591	1.87346	0.788	1.387	0.854	0.94362	9.27E+00	1.74E+00	2.14E-05	6.59E-02	2.47E-01	1.30E-01	6.05E+00	6.42E+00	1.11E+01
945	490336.72	3861035.12	1.31681	0.96052	0.21511	1.84004	0.675	1.352	0.8773	0.96052	9.18E+00	1.77E+00	2.24E-05	6.48E-02	2.12E-01	1.27E-01	6.22E+00	6.53E+00	1.10E+01
946	490386.72	3861035.12	1.31527	0.98167	0.21754	1.83128	0.609	1.333	0.8969	0.98167	9.17E+00	1.81E+00	2.26E-05	6.45E-02	1.91E-01	1.25E-01	6.35E+00	6.68E+00	1.10E+01
947	490436.72	3861035.12	1.30357	0.99609	0.23379	1.8217	0.587	1.326	0.9096	0.99609	9.09E+00	1.84E+00	2.43E-05	6.41E-02	1.84E-01	1.25E-01	6.44E+00	6.77E+00	1.10E+01
948	490486.72	3861035.12	1.26342	1.01715	0.25547	1.83342	0.582	1.322	0.9335	1.01715	8.81E+00	1.88E+00	2.66E-05	6.45E-02	1.82E-01	1.24E-01	6.61E+00	6.92E+00	1.08E+01
949	490536.72	3861035.12	1.23816	1.03082	0.23798	1.80069	0.575	1.311	0.9681	1.03082	8.63E+00	1.90E+00	2.48E-05	6.34E-02	1.80E-01	1.23E-01	6.86E+00	7.01E+00	1.08E+01
950	490586.72	3861035.12	1.23917	1.04075	0.23804	1.75466	0.626	1.286	0.9979	1.04075	8.64E+00	1.92E+00	2.48E-05	6.18E-02	1.96E-01	1.21E-01	7.07E+00	7.08E+00	1.09E+01
951	490636.72	3861035.12	1.24188	1.05146	0.29932	1.70462	0.672	1.302	1.0096	1.05146	8.66E+00	1.94E+00	3.12E-05	6.00E-02	2.11E-01	1.22E-01	7.15E+00	7.15E+00	1.10E+01
952	490686.72	3861035.12	1.24535	1.06142	0.29373	1.64701	0.664	1.308	1.0385	1.06142	8.68E+00	1.96E+00	3.06E-05	5.80E-02	2.08E-01	1.23E-01	7.36E+00	7.22E+00	1.12E+01
953	490736.72	3861035.12	1.23352	1.06847	0.30003	1.60904	0.581	1.307	1.0737	1.06847	8.60E+00	1.97E+00	3.12E-05	5.66E-02	1.82E-01	1.23E-01	7.61E+00	7.27E+00	1.13E+01
954	490786.72	3861035.12	1.21126	1.0772	0.30885	1.60165	0.475	1.294	1.0927	1.0772	8.44E+00	1.99E+00	3.22E-05	5.64E-02	1.49E-01	1.22E-01	7.74E+00	7.32E+00	1.12E+01
955	490836.72	3861035.12	1.18934	1.086	0.31508	1.56749	0.472	1.287	1.1081	1.086	8.29E+00	2.01E+00	3.28E-05	5.52E-02	1.48E-01	1.21E-01	7.85E+00	7.38E+00	1.11E+01
956	490086.72	3861085.12	1.33128	0.86453	0.21899	1.99076	0.737	1.528	0.779	0.86453	9.28E+00	1.60E+00	2.28E-05	7.01E-02	2.31E-01	1.44E-01	5.52E+00	5.88E+00	1.10E+01
957	490136.72	3861085.12	1.30655	0.87508	0.22535	1.95522	0.772	1.505	0.7904	0.87508	9.11E+00	1.62E+00	2.35E-05	6.88E-02	2.42E-01	1.42E-01	5.60E+00	5.95E+00	1.08E+01
958	490186.72	3861085.12	1.28798	0.88737	0.23008	1.92622	0.874	1.481	0.8028	0.88737	8.98E+00	1.64E+00	2.40E-05	6.78E-02	2.74E-01	1.39E-01	5.69E+00	6.03E+00	1.08E+01
959	490236.72	3861085.12	1.2901	0.89523	0.18235	1.89819	0.864	1.446	0.8143	0.89523	8.99E+00	1.65E+00	1.90E-05	6.68E-02	2.71E-01	1.36E-01	5.77E+00	6.09E+00	1.08E+01
960	490286.72	3861085.12	1.29375	0.90392	0.19878	1.8618	0.815	1.41	0.8295	0.90392	9.02E+00	1.67E+00	2.07E-05	6.55E-02	2.55E-01	1.33E-01	5.88E+00	6.15E+00	1.09E+01
961	490336.72	3861085.12	1.28892	0.91281	0.20782	1.81705	0.732	1.373	0.8479	0.91281	8.99E+00	1.69E+00	2.16E-05	6.40E-02	2.29E-01	1.29E-01	6.01E+00	6.21E+00	1.09E+01
962	490386.72	3861085.12	1.27873	0.93731	0.2148	1.81549	0.624	1.356	0.8687	0.93731	8.91E+00	1.73E+00	2.24E-05	6.39E-02	1.95E-01	1.27E-01	6.15E+00	6.37E+00	1.08E+01
963	490436.72	3861085.12	1.25624	0.97224	0.22128	1.78235	0.587	1.337	0.8884	0.97224	8.76E+00	1.80E+00	2.30E-05	6.27E-02	1.84E-01	1.26E-01	6.29E+00	6.61E+00	1.06E+01
964	490486.72	3861085.12	1.254	0.98827	0.23955	1.76122	0.572	1.324	0.9063	0.98827	8.74E+00	1.83E+00	2.49E-05	6.20E-02	1.79E-01	1.24E-01	6.42E+00	6.72E+00	1.06E+01
965	490536.72	3861085.12	1.2242	1.00487	0.23951	1.74929	0.565	1.316	0.9252	1.00487	8.53E+00	1.86E+00	2.49E-05	6.16E-02	1.77E-01	1.24E-01	6.56E+00	6.83E+00	1.05E+01
966	490586.72	3861085.12	1.18931	1.0184	0.22908	1.69814	0.577	1.301	0.9499	1.0184	8.29E+00	1.88E+00	2.38E-05	5.98E-02	1.81E-01	1.22E-01	6.73E+00	6.92E+00	1.03E+01
967	490636.72	3861085.12	1.17524	1.02775	0.25698	1.65305	0.624	1.286	0.9835	1.02775	8.19E+00	1.90E+00	2.68E-05	5.82E-02	1.96E-01	1.21E-01	6.97E+00	6.99E+00	1.04E+01
968	490686.72	3861085.12	1.17635	1.04099	0.28718	1.6357	0.67	1.295	1.0018	1.04099	8.20E+00	1.92E+00	2.99E-05	5.76E-02	2.10E-01	1.22E-01	7.10E+00	7.08E+00	1.05E+01
969	490736.72	3861085.12	1.17712	1.0538	0.28842	1.60018	0.638	1.295	1.0362	1.0538	8.21E+00	1.95E+00	3.00E-05	5.63E-02	2.00E-01	1.22E-01	7.34E+00	7.17E+00	1.07E+01
970	490786.72	3861085.12	1.17077	1.06841	0.29652	1.56428	0.537	1.289	1.0735	1.06841	8.16E+00	1.97E+00	3.09E-05	5.51E-02	1.68E-01	1.21E-01	7.61E+00	7.27E+00	1.08E+01
971	490836.72	3861085.12	1.15507	1.07724	0.30428	1.54558	0.441	1.264	1.097	1.07724	8.05E+00	1.99E+00	3.17E-05	5.44E-02	1.38E-01	1.19E-01	7.77E+00	7.33E+00	1.08E+01
972	490086.72	3861135.12	1.27236	0.83924	0.20742	1.97967	0.7	1.486	0.7722	0.83924	8.87E+00	1.55E+00	2.16E-05	6.97E-02	2.19E-01	1.40E-01	5.47E+00	5.71E+00	1.06E+01
973	490136.72	3861135.12	1.24716	0.85971	0.21284	1.92857	0.73	1.442	0.7838	0.85971	8.69E+00	1.59E+00	2.22E-05	6.79E-02	2.29E-01	1.36E-01	5.55E+00	5.85E+00	1.04E+01
974	490186.72	3861135.12	1.24594	0.87077	0.22665	1.9066	0.782	1.409	0.7959	0.87077	8.69E+00	1.61E+00	2.36E-05	6.71E-02	2.45E-01	1.32E-01	5.64E+00	5.92E+00	1.05E+01
975	490236.72	3861135.12	1.2262	0.88099	0.1856	1.8704	0.848	1.39	0.8069	0.88099	8.55E+00	1.63E+00	1.93E-05	6.58E-02	2.66E-01	1.31E-01	5.72E+00	5.99E+00	1.04E+01
976	490286.72	3861135.12	1.23401	0.89014	0.19001	1.84405	0.837	1.373	0.8155	0.89014	8.60E+00	1.64E+00	1.98E-05	6.49E-02	2.62E-01	1.29E-01	5.78E+00	6.05E+00	1.04E+01
977	490336.72	3861135.12	1.23747	0.89856	0.20396	1.80049	0.777	1.356	0.8241	0.89856	8.63E+00	1.66E+00	2.12E-05	6.34E-02	2.44E-01	1.27E-01	5.84E+00	6.11E+00	1.05E+01
978	490386.72	3861135.12	1.24074	0.90899	0.21067	1.78667	0.675	1.341	0.844	0.90899	8.65E+00	1.68E+00	2.19E-05	6.29E-02	2.11E-01	1.26E-01	5.98E+00	6.18E+00	1.05E+01
979	490436.72	3861135.12	1.24182	0.91908	0.21604	1.76605	0.586	1.323	0.8599	0.91908	8.66E+00	1.70E+00	2.25E-05	6.22E-02	1.84E-01	1.24E-01	6.09E+00	6.25E+00	1.06E+01
980	490486.72	3861135.12	1.21913	0.93547	0.22691	1.72506	0.566	1.31	0.8663	0.93547	8.50E+00	1.73E+00	2.36E-05	6.07E-02	1.77E-01	1.23E-01	6.14E+00	6.36E+00	1.04E+01
981	490536.72	3861135.12	1.19861	0.94879	0.23706	1.71342	0.555	1.29	0.8734	0.94879	8.36E+00	1.75E+00	2.47E-05	6.03E-02	1.74E-01	1.21E-01	6.19E+00	6.45E+00	1.02E+01
982	490586.72	3861135.12	1.17195	0.9632	0.22942	1.66374	0.545	1.28	0.8815	0.9632	8.17E+00	1.78E+00	2.39E-05	5.86E-02	1.71E-01	1.20E-01	6.25E+00	6.55E+00	1.00E+01
983	490636.72	3861135.12	1.15669	0.98803	0.22094	1.63583	0.579	1.266	0.9182	0.98803	8.06E+00	1.82E+00	2.30E-05	5.76E-02	1.81E-01	1.19E-01	6.51E+00	6.72E+00	1.00E+01
984	490686.72	3861135.12	1.13733	1.01318	0.26526	1.61156	0.623	1.252	0.9603	1.01318	7.93E+00	1.87E+00	2.76E-05	5.67E-02	1.95E-01	1.18E-01	6.80E+00	6.89E+00	1.01E+01
985	490736.72	3861135.12	1.12581	1.02283	0.27756	1.57799	0.665	1.245	0.9854	1.02283	7.85E+00	1.89E+00	2.89E-05	5.55E-02	2.09E-01	1.17E-01	6.98E+00	6.96E+00	1.01E+01
986	490786.72	3861135.12	1.12756	1.03597	0.28488	1.54071	0.607	1.243	1.019	1.03597	7.86E+00	1.91E+00	2.97E-05	5.42E-02	1.90E-01	1.17E-01	7.22E+00	7.04E+00	1.03E+01
987	490836.72	3861135.12	1.12679	1.04652	0.29301	1.51688	0.496	1.239	1.051	1.04652	7.86E+00	1.93E+00	3.05E-05	5.34E-02	1.56E-01	1.16E-01	7.45E+00	7.12E+00	1.04E+01
988	490086.72	3861185.12	1.25324	0.82478	0.19694	1.96913	0.642	1.366	0.7598	0.82478	8.74E+00	1.52E+00	2.05E-05	6.93E-02	2.01E-01	1.28E-01	5.38E+00	5.61E+00	1.04E+01
989	490136.72	3861185.12	1.22122	0.83294	0.20044	1.91313	0.692	1.326	0.7692	0.83294	8.51E+00	1.54E+00	2.09E-05	6.73E-02	2.17E-01	1.25E-01	5.45E+00	5.66E+00	1.02E+01
990	490186.72	3861185.12	1.18071	0.85252	0.21685	1.88034	0.724	1.319	0.7803	0.85252	8.23E+00	1.57E+00	2.26E-05	6.62E-02	2.27E-01	1.24E-01	5.53E+00	5.80E+00	9.96E+00
991	490236.72	3861185.12	1.16858	0.86264	0.19906	1.84791	0.801	1.297	0.7924	0.86264	8.15E+00	1.59E+00	2.07E-05	6.50E-02	2.51E-01	1.22E-01	5.61E+00	5.87E+00	9.93E+00
992	490286.72	3861185.12	1.14666	0.87413	0.18297	1.81464	0.82	1.285	0.8043	0.87413	7.99E+00	1.61E+00	1.90E-05	6.39E-02	2.57E-01	1.21E-01	5.70E+00	5.94E+00	9.80E+00
993	490336.72	3861185.12	1.15978	0.8799	0.21192	1.77856	0.8	1.268	0.8102	0.8799	8.09E+00	1.63E+00	2.21E-05	6.26E-02	2.51E-01	1.19E-01	5.74E+00	5.98E+00	9.90E+00
994	490386.72	3861185.12	1.17498	0.88985	0.20344	1.75504	0.73	1.256	0.8205	0.88985	8.19E+00	1.64E+00	2.12E-05	6.18E-02	2.29E-01	1.18E-01	5.81E+00	6.05E+00	1.00E+01
995	490436.72	3861185.12	1.18711	0.90161	0.21165	1.75036	0.622	1.248	0.8384	0.90161	8.28E+00	1.67E+00	2.20E-05	6.16E-02	1.95E-01	1.17E-01	5.94E+00	6.13E+00	1.01E+01
996	490486.72	3861185.12	1.19689	0.91164	0.21837	1.70806	0.564	1.24	0.8585	0.91164	8.34E+00	1.68E+00	2.27E-05	6.01E-02	1.77E-01	1.17E-01	6.08E+00	6.20E+00	1.03E+01
997	490536.72	3861185.12	1.1822	0.92608	0.23128	1.67798	0.539	1.24	0.8696	0.92608	8.24E+00	1.71E+00	2.41E-05	5.91E-02	1.69E-01	1.17E-01	6.16E+00	6.30E+00	1.02E+01
998	490586.72	3861185.12	1.15641	0.94408	0.22428	1.64323	0.54	1.255	0.8751	0.94408	8.06E+00	1.74E+00	2.33E-05	5.78E-02	1.69E-01	1.18E-01	6.20E+00	6.42E+00	9.93E+00
999	490636.72	3861185.12	1.11799	0.95023	0.21725	1.62086	0.529	1.256	0.8787	0.95023	7.79E+00	1.76E+00	2.26E-05	5.70E-02	1.66E-01	1.18E-01	6.23E+00	6.46E+00	9.65E+00

1000	490686.72	3861185.12	1.11111	0.96164	0.22897	1.59345	0.58	1.252	0.8901	0.96164	7.75E+00	1.78E+00	2.38E-05	5.61E-02	1.82E-01	1.18E-01	6.31E+00	6.54E+00	9.65E+00
1001	490736.72	3861185.12	1.10744	0.97499	0.25159	1.57214	0.622	1.222	0.9195	0.97499	7.72E+00	1.80E+00	2.62E-05	5.53E-02	1.95E-01	1.15E-01	6.52E+00	6.63E+00	9.77E+00
1002	490786.72	3861185.12	1.09398	0.98099	0.26796	1.5406	0.645	1.198	0.9437	0.98099	7.63E+00	1.81E+00	2.79E-05	5.42E-02	2.02E-01	1.13E-01	6.69E+00	6.67E+00	9.82E+00
1003	490836.72	3861185.12	1.08215	0.99822	0.28223	1.50692	0.561	1.184	0.9871	0.99822	7.54E+00	1.84E+00	2.94E-05	5.30E-02	1.76E-01	1.11E-01	6.99E+00	6.79E+00	9.93E+00
1004	490086.72	3861235.12	1.21817	0.81349	0.18809	1.94823	0.585	1.282	0.7448	0.81349	8.49E+00	1.50E+00	1.96E-05	6.86E-02	1.83E-01	1.21E-01	5.28E+00	5.53E+00	1.01E+01
1005	490136.72	3861235.12	1.17945	0.82209	0.18911	1.90288	0.657	1.263	0.7553	0.82209	8.22E+00	1.52E+00	1.97E-05	6.70E-02	2.06E-01	1.19E-01	5.35E+00	5.59E+00	9.89E+00
1006	490186.72	3861235.12	1.17595	0.83209	0.19907	1.85816	0.686	1.249	0.7666	0.83209	8.20E+00	1.54E+00	2.07E-05	6.54E-02	2.15E-01	1.17E-01	5.43E+00	5.66E+00	9.91E+00
1007	490236.72	3861235.12	1.14886	0.84686	0.2142	1.83368	0.721	1.241	0.7764	0.84686	8.01E+00	1.56E+00	2.23E-05	6.45E-02	2.26E-01	1.17E-01	5.50E+00	5.76E+00	9.72E+00
1008	490386.72	3861235.12	1.09587	0.87556	0.20338	1.73443	0.764	1.241	0.807	0.87556	7.64E+00	1.62E+00	2.12E-05	6.10E-02	2.39E-01	1.17E-01	5.72E+00	5.95E+00	9.44E+00
1009	490436.72	3861235.12	1.10914	0.88515	0.20624	1.7193	0.671	1.24	0.8168	0.88515	7.73E+00	1.63E+00	2.15E-05	6.05E-02	2.10E-01	1.17E-01	5.79E+00	6.02E+00	9.52E+00
1010	490486.72	3861235.12	1.12257	0.89566	0.21164	1.69349	0.573	1.235	0.8307	0.89566	7.83E+00	1.65E+00	2.20E-05	5.96E-02	1.79E-01	1.16E-01	5.89E+00	6.09E+00	9.63E+00
1011	490536.72	3861235.12	1.13571	0.91012	0.21984	1.64956	0.544	1.226	0.8537	0.91012	7.92E+00	1.68E+00	2.29E-05	5.81E-02	1.71E-01	1.15E-01	6.05E+00	6.19E+00	9.80E+00
1012	490586.72	3861235.12	1.13509	0.92442	0.22259	1.63377	0.519	1.218	0.868	0.92442	7.91E+00	1.71E+00	2.32E-05	5.75E-02	1.63E-01	1.15E-01	6.15E+00	6.29E+00	9.82E+00
1013	490636.72	3861235.12	1.10678	0.93496	0.21209	1.60195	0.523	1.208	0.8758	0.93496	7.72E+00	1.73E+00	2.21E-05	5.64E-02	1.64E-01	1.14E-01	6.21E+00	6.36E+00	9.62E+00
1014	490686.72	3861235.12	1.07536	0.94591	0.20902	1.58462	0.531	1.211	0.8902	0.94591	7.50E+00	1.75E+00	2.18E-05	5.58E-02	1.66E-01	1.14E-01	6.31E+00	6.43E+00	9.46E+00
1015	490736.72	3861235.12	1.06557	0.96014	0.22776	1.56042	0.58	1.214	0.9047	0.96014	7.43E+00	1.77E+00	2.37E-05	5.49E-02	1.82E-01	1.14E-01	6.41E+00	6.53E+00	9.43E+00
1016	490786.72	3861235.12	1.0628	0.97372	0.24068	1.53922	0.621	1.193	0.9208	0.97372	7.41E+00	1.80E+00	2.51E-05	5.42E-02	1.95E-01	1.12E-01	6.52E+00	6.62E+00	9.47E+00
1017	490836.72	3861235.12	1.06495	0.97914	0.2593	1.50635	0.621	1.173	0.94	0.97914	7.42E+00	1.81E+00	2.70E-05	5.30E-02	1.95E-01	1.10E-01	6.66E+00	6.66E+00	9.59E+00
1018	490086.72	3861285.12	1.21709	0.81579	0.18083	1.92953	0.533	1.248	0.7356	0.81579	8.49E+00	1.51E+00	1.88E-05	6.79E-02	1.67E-01	1.17E-01	5.21E+00	5.55E+00	1.00E+01
1019	490136.72	3861285.12	1.17703	0.82312	0.17863	1.89899	0.603	1.262	0.7465	0.82312	8.21E+00	1.52E+00	1.86E-05	6.68E-02	1.89E-01	1.19E-01	5.29E+00	5.60E+00	9.79E+00
1020	490186.72	3861285.12	1.14484	0.82888	0.18651	1.84944	0.651	1.253	0.7567	0.82888	7.98E+00	1.53E+00	1.94E-05	6.51E-02	2.04E-01	1.18E-01	5.36E+00	5.64E+00	9.62E+00
1021	490236.72	3861285.12	1.11999	0.83495	0.20918	1.81567	0.681	1.252	0.7673	0.83495	7.81E+00	1.54E+00	2.18E-05	6.39E-02	2.13E-01	1.18E-01	5.44E+00	5.68E+00	9.50E+00
1022	490386.72	3861285.12	1.0677	0.8674	0.20725	1.71151	0.765	1.244	0.7987	0.8674	7.44E+00	1.60E+00	2.16E-05	6.02E-02	2.40E-01	1.17E-01	5.66E+00	5.90E+00	9.22E+00
1023	490436.72	3861285.12	1.05144	0.87884	0.19963	1.69765	0.727	1.22	0.8085	0.87884	7.33E+00	1.62E+00	2.08E-05	5.98E-02	2.28E-01	1.15E-01	5.73E+00	5.98E+00	9.11E+00
1024	490486.72	3861285.12	1.05914	0.88675	0.20783	1.67512	0.619	1.191	0.8141	0.88675	7.38E+00	1.64E+00	2.16E-05	5.90E-02	1.94E-01	1.12E-01	5.77E+00	6.03E+00	9.13E+00
1025	490536.72	3861285.12	1.06632	0.89708	0.21199	1.63169	0.542	1.174	0.8228	0.89708	7.43E+00	1.66E+00	2.21E-05	5.74E-02	1.70E-01	1.10E-01	5.83E+00	6.10E+00	9.16E+00
1026	490586.72	3861285.12	1.07978	0.9086	0.22128	1.60111	0.519	1.164	0.842	0.9086	7.53E+00	1.68E+00	2.30E-05	5.64E-02	1.63E-01	1.09E-01	5.97E+00	6.18E+00	9.32E+00
1027	490636.72	3861285.12	1.08341	0.91359	0.20726	1.58597	0.515	1.139	0.8497	0.91359	7.55E+00	1.69E+00	2.16E-05	5.58E-02	1.61E-01	1.07E-01	6.02E+00	6.21E+00	9.37E+00
1028	490686.72	3861285.12	1.05372	0.92922	0.19839	1.57138	0.51	1.135	0.867	0.92922	7.35E+00	1.72E+00	2.07E-05	5.53E-02	1.60E-01	1.07E-01	6.14E+00	6.32E+00	9.21E+00
1029	490736.72	3861285.12	1.0323	0.94792	0.20535	1.55446	0.534	1.14	0.8902	0.94792	7.20E+00	1.75E+00	2.14E-05	5.47E-02	1.67E-01	1.07E-01	6.31E+00	6.45E+00	9.14E+00
1030	490786.72	3861285.12	1.01643	0.95867	0.21528	1.5275	0.579	1.159	0.9037	0.95867	7.09E+00	1.77E+00	2.24E-05	5.38E-02	1.81E-01	1.09E-01	6.40E+00	6.52E+00	9.08E+00
1031	490836.72	3861285.12	1.01295	0.96749	0.23331	1.49165	0.616	1.178	0.9163	0.96749	7.06E+00	1.79E+00	2.43E-05	5.25E-02	1.93E-01	1.11E-01	6.49E+00	6.58E+00	9.12E+00
1032	490061.24	3859716.13	2.41076	4.33605	4.02164	5.74562	1.376	3.222	4.1591	4.33605	1.68E+01	8.01E+00	4.19E-04	2.02E-01	4.31E-01	3.03E-01	2.95E+01	2.95E+01	2.57E+01
1033	490111.24	3859716.13	2.42049	4.5311	3.40755	6.14522	1.312	3.338	4.672	4.5311	1.69E+01	8.37E+00	3.55E-04	2.16E-01	4.11E-01	3.14E-01	3.31E+01	3.08E+01	2.85E+01
1034	490161.24	3859716.13	2.36906	4.90776	3.95865	6.3749	1.257	3.403	5.0406	4.90776	1.65E+01	9.06E+00	4.12E-04	2.24E-01	3.94E-01	3.20E-01	3.57E+01	3.34E+01	2.89E+01
1035	490211.24	3859716.13	2.34272	5.32449	4.39894	6.44867	1.208	3.514	5.4293	5.32449	1.63E+01	9.83E+00	4.58E-04	2.27E-01	3.78E-01	3.30E-01	3.85E+01	3.62E+01	2.94E+01
1036	490061.24	3859766.13	2.32013	3.76619	3.02193	5.0018	1.237	2.868	3.5484	3.76619	1.62E+01	6.96E+00	3.15E-04	1.76E-01	3.87E-01	2.70E-01	2.51E+01	2.56E+01	2.35E+01
1037	490111.24	3859766.13	2.30214	3.94646	3.26988	5.41277	1.318	2.983	3.7907	3.94646	1.60E+01	7.29E+00	3.40E-04	1.91E-01	4.13E-01	2.80E-01	2.69E+01	2.68E+01	2.42E+01
1038	490161.24	3859766.13	2.32185	4.07897	2.69516	5.60771	1.274	3.08	3.9836	4.07897	1.62E+01	7.53E+00	2.81E-04	1.97E-01	3.99E-01	2.90E-01	2.82E+01	2.77E+01	2.51E+01
1039	490211.24	3859766.13	2.27253	4.29843	2.95097	5.74425	1.234	3.16	4.3279	4.29843	1.58E+01	7.94E+00	3.07E-04	2.02E-01	3.87E-01	2.97E-01	3.07E+01	2.92E+01	2.61E+01
1040	490061.24	3859816.13	2.31695	3.21875	2.75507	4.56079	1.039	2.642	3.1362	3.21875	1.62E+01	5.94E+00	2.87E-04	1.61E-01	3.26E-01	2.48E-01	2.22E+01	2.19E+01	2.32E+01
1041	490111.24	3859816.13	2.27552	3.37669	2.48296	4.85471	1.182	2.705	3.2429	3.37669	1.59E+01	6.24E+00	2.58E-04	1.71E-01	3.70E-01	2.54E-01	2.30E+01	2.30E+01	2.29E+01
1042	490161.24	3859816.13	2.25817	3.57873	2.71185	5.12534	1.264	2.774	3.4265	3.57873	1.57E+01	6.61E+00	2.82E-04	1.80E-01	3.96E-01	2.61E-01	2.43E+01	2.43E+01	2.31E+01
1043	490211.24	3859816.13	2.21245	3.69783	2.16591	5.14198	1.253	2.847	3.5542	3.69783	1.54E+01	6.83E+00	2.25E-04	1.81E-01	3.93E-01	2.68E-01	2.52E+01	2.51E+01	2.31E+01
1044	490061.24	3859866.13	2.28814	2.79362	2.5064	4.30442	1.082	2.417	2.765	2.79362	1.60E+01	5.16E+00	2.61E-04	1.51E-01	3.39E-01	2.27E-01	1.96E+01	1.90E+01	2.24E+01
1045	490111.24	3859866.13	2.2417	2.94257	2.26883	4.37051	0.998	2.432	2.8677	2.94257	1.56E+01	5.43E+00	2.36E-04	1.54E-01	3.13E-01	2.29E-01	2.03E+01	2.00E+01	2.21E+01
1046	490161.24	3859866.13	2.20314	3.06935	2.10841	4.49756	1.131	2.532	2.9847	3.06935	1.54E+01	5.67E+00	2.19E-04	1.58E-01	3.54E-01	2.38E-01	2.11E+01	2.09E+01	2.21E+01
1047	490211.24	3859866.13	2.14582	3.17351	2.3116	4.72767	1.22	2.631	3.1101	3.17351	1.50E+01	5.86E+00	2.41E-04	1.66E-01	3.82E-01	2.47E-01	2.20E+01	2.16E+01	2.21E+01
1048	490061.24	3859916.13	2.29615	2.53581	1.86694	3.91459	1.064	2.353	2.5447	2.53581	1.60E+01	4.68E+00	1.94E-04	1.38E-01	3.34E-01	2.21E-01	1.80E+01	1.72E+01	2.22E+01
1049	490111.24	3859916.13	2.22182	2.61655	2.40393	4.13555	0.992	2.33	2.6324	2.61655	1.55E+01	4.83E+00	2.50E-04	1.46E-01	3.11E-01	2.19E-01	1.87E+01	1.78E+01	2.19E+01
1050	490161.24	3859916.13	2.16349	2.74954	1.8795	4.30034	0.96	2.318	2.7032	2.74954	1.51E+01	5.08E+00	1.96E-04	1.51E-01	3.01E-01	2.18E-01	1.92E+01	1.87E+01	2.13E+01
1051	490211.24	3859916.13	2.1306	2.86841	1.83569	4.41691	1.083	2.367	2.8054	2.86841	1.49E+01	5.30E+00	1.91E-04	1.55E-01	3.39E-01	2.22E-01	1.99E+01	1.95E+01	2.12E+01
1052	490229.25	3859815.26	2.19384	3.76332	2.20258	5.12865	1.24	2.896	3.6175	3.76332	1.53E+01	6.95E+00	2.29E-04	1.81E-01	3.88E-01	2.72E-01	2.56E+01	2.56E+01	2.31E+01
1053	490279.25	3859815.26	2.15402	3.9202	2.45518	5.16091	1.195	3.002	3.9685	3.9202	1.50E+01	7.24E+00	2.56E-04	1.82E-01	3.74E-01	2.82E-01	2.81E+01	2.67E+01	2.46E+01
1054	490329.25	3859815.26	2.12162	4.05714	2.87733	5.07875	1.006	3.065	4.0954	4.05714	1.48E+01	7.49E+00	3.00E-04	1.79E-01	3.15E-01	2.88E-01	2.90E+01	2.76E+01	2.45E+01
1055	490379.25	3859815.26	2.11533	4.39685	3.00005	5.36012	0.882	3.188	4.3862	4.39685	1.47E+01	8.12E+00	3.12E-04	1.89E-01	2.76E-01	3.00E-01	3.11E+01	2.99E+01	2.48E+01
1056	490429.25	3859815.26	2.10269	4.89009	3.14602	6.00054	0.931	3.46	4.7994	4.89009	1.47E+01	9.03E+00	3.28E-04	2.11E-01	2.92E-01	3.25E-01	3.40E+01	3.33E+01	2.53E+01
1057	490229.25	3859865.26	2.13719	3.21597	2.25799	4.75359	1.265	2.678	3.1572	3.21597	1.49E+01	5.94E+00	2.35E-04	1.67E-01	3.96E-01	2.52E-01	2.24E+01	2.19E+01	2.22E+01
1058	490279.25	3859865.26	2.09701	3.37613	1.81996	4.84064	1.219	2.705	3.2462	3.37613	1.46E+01	6.24E+00	1.89E-04	1.70E-01	3.82E-01	2.54E-01	2.30E+01	2.30E+01	2.17E+01

1059	490329.25	3859865.26	2.05373	3.572	2.06347	4.86628	1.153	2.785	3.5277	3.572	1.43E+01	6.60E+00	2.15E-04	1.71E-01	3.61E-01	2.62E-01	2.50E+01	2.43E+01	2.24E+01
1060	490379.25	3859865.26	2.05142	3.77542	2.08949	4.91311	0.941	2.858	3.779	3.77542	1.43E+01	6.97E+00	2.18E-04	1.73E-01	2.95E-01	2.69E-01	2.68E+01	2.57E+01	2.31E+01
1061	490429.25	3859865.26	2.04858	3.99438	2.49375	5.08836	0.82	2.997	3.9884	3.99438	1.43E+01	7.38E+00	2.60E-04	1.79E-01	2.57E-01	2.82E-01	2.83E+01	2.72E+01	2.35E+01
1062	490229.25	3859915.26	2.12222	2.89889	1.86876	4.44089	1.11	2.401	2.8402	2.89889	1.48E+01	5.35E+00	1.95E-04	1.56E-01	3.48E-01	2.26E-01	2.01E+01	1.97E+01	2.13E+01
1063	490279.25	3859915.26	2.09075	2.96677	1.98762	4.45664	1.222	2.528	2.9337	2.96677	1.46E+01	5.48E+00	2.07E-04	1.57E-01	3.83E-01	2.38E-01	2.08E+01	2.02E+01	2.14E+01
1064	490329.25	3859915.26	2.04842	3.09425	1.55346	4.45612	1.199	2.6	3.0054	3.09425	1.43E+01	5.71E+00	1.62E-04	1.57E-01	3.76E-01	2.44E-01	2.13E+01	2.10E+01	2.10E+01
1065	490379.25	3859915.26	2.00603	3.25164	1.76688	4.53602	1.083	2.628	3.1371	3.25164	1.40E+01	6.01E+00	1.84E-04	1.60E-01	3.39E-01	2.47E-01	2.22E+01	2.21E+01	2.09E+01
1066	490429.25	3859915.26	1.96863	3.48716	1.7343	4.52004	0.88	2.739	3.4931	3.48716	1.37E+01	6.44E+00	1.81E-04	1.59E-01	2.76E-01	2.57E-01	2.47E+01	2.37E+01	2.19E+01
1067	490451.43	3859872.59	2.03675	3.97905	2.43234	5.107	0.82	3.017	4.0118	3.97905	1.42E+01	7.35E+00	2.53E-04	1.80E-01	2.57E-01	2.84E-01	2.84E+01	2.71E+01	2.36E+01
1068	490501.43	3859872.59	2.00174	4.29684	2.61153	5.47512	0.906	3.264	4.3619	4.29684	1.40E+01	7.94E+00	2.72E-04	1.93E-01	2.84E-01	3.07E-01	3.09E+01	2.92E+01	2.44E+01
1069	490551.43	3859872.59	1.98144	4.81564	2.50026	5.96325	0.893	3.635	4.8013	4.81564	1.38E+01	8.89E+00	2.60E-04	2.10E-01	2.80E-01	3.42E-01	3.40E+01	3.27E+01	2.48E+01
1070	490601.43	3859872.59	1.968	5.68008	2.78341	6.60385	0.898	4.052	5.5389	5.68008	1.37E+01	1.05E+01	2.90E-04	2.32E-01	2.81E-01	3.81E-01	3.92E+01	3.86E+01	2.57E+01
1071	490451.43	3859922.59	1.95419	3.51743	1.67198	4.50864	0.825	2.725	3.5087	3.51743	1.36E+01	6.50E+00	1.74E-04	1.59E-01	2.58E-01	2.56E-01	2.49E+01	2.39E+01	2.17E+01
1072	490501.43	3859922.59	1.95254	3.6675	2.03356	4.62153	0.78	2.896	3.6926	3.6675	1.36E+01	6.77E+00	2.12E-04	1.63E-01	2.44E-01	2.72E-01	2.62E+01	2.49E+01	2.23E+01
1073	490551.43	3859922.59	1.93726	3.90454	2.20378	5.11479	0.87	3.155	4.0442	3.90454	1.35E+01	7.21E+00	2.29E-04	1.80E-01	2.73E-01	2.97E-01	2.87E+01	2.66E+01	2.36E+01
1074	490601.43	3859922.59	1.89491	4.27506	2.28653	5.54645	0.866	3.533	4.4155	4.27506	1.32E+01	7.90E+00	2.38E-04	1.95E-01	2.71E-01	3.32E-01	3.13E+01	2.91E+01	2.41E+01
1075	482129.67	3852241.07	0.56032	3.11145	0.10093	0.14859	0.171	0.205	3.1383	3.11145	3.91E+00	5.75E+00	1.05E-05	5.23E-03	5.35E-02	1.92E-02	2.22E+01	2.12E+01	1.08E+01
1076	482029.67	3852291.07	0.65863	4.44747	0.09633	0.1517	0.179	0.184	4.4834	4.44747	4.59E+00	8.21E+00	1.00E-05	5.34E-03	5.60E-02	1.73E-02	3.18E+01	3.02E+01	1.44E+01
1077	482079.67	3852291.07	0.62769	3.91666	0.09729	0.1528	0.175	0.198	3.9449	3.91666	4.38E+00	7.23E+00	1.01E-05	5.38E-03	5.49E-02	1.86E-02	2.80E+01	2.66E+01	1.30E+01
1078	482129.67	3852291.07	0.58699	3.4264	0.10144	0.15114	0.173	0.21	3.4694	3.4264	4.09E+00	6.33E+00	1.06E-05	5.32E-03	5.41E-02	1.97E-02	2.46E+01	2.33E+01	1.18E+01
1079	482179.67	3852291.07	0.55755	2.99886	0.1023	0.15171	0.173	0.208	2.986	2.99886	3.89E+00	5.54E+00	1.07E-05	5.34E-03	5.41E-02	1.95E-02	2.12E+01	2.04E+01	1.03E+01
1080	482229.67	3852291.07	0.52858	2.51607	0.10203	0.15132	0.168	0.201	2.5334	2.51607	3.69E+00	4.65E+00	1.06E-05	5.33E-03	5.27E-02	1.89E-02	1.80E+01	1.71E+01	9.25E+00
1081	482029.67	3852341.07	0.7328	5.04246	0.09796	0.15831	0.184	0.186	5.075	5.04246	5.11E+00	9.31E+00	1.02E-05	5.57E-03	5.77E-02	1.75E-02	3.60E+01	3.43E+01	1.62E+01
1082	482079.67	3852341.07	0.6735	4.38038	0.09858	0.15431	0.182	0.196	4.4586	4.38038	4.70E+00	8.09E+00	1.03E-05	5.43E-03	5.71E-02	1.84E-02	3.16E+01	2.98E+01	1.47E+01
1083	482129.67	3852341.07	0.62624	3.93269	0.10379	0.15471	0.178	0.211	3.9327	3.93269	4.37E+00	7.26E+00	1.08E-05	5.45E-03	5.57E-02	1.98E-02	2.79E+01	2.67E+01	1.28E+01
1084	482179.67	3852341.07	0.58277	3.38542	0.10369	0.15462	0.177	0.217	3.3934	3.38542	4.06E+00	6.25E+00	1.08E-05	5.44E-03	5.53E-02	2.04E-02	2.40E+01	2.30E+01	1.14E+01
1085	482259.06	3852400.14	0.5656	3.51511	0.10904	0.15953	0.179	0.218	3.4702	3.51511	3.94E+00	6.49E+00	1.14E-05	5.61E-03	5.59E-02	2.05E-02	2.46E+01	2.39E+01	1.12E+01
1086	482309.06	3852400.14	0.55536	2.82395	0.12117	0.15909	0.177	0.214	2.8222	2.82395	3.87E+00	5.22E+00	1.26E-05	5.60E-03	5.55E-02	2.01E-02	2.00E+01	1.92E+01	9.96E+00
1087	482209.06	3852450.14	0.65007	4.1739	0.11019	0.16142	0.188	0.235	4.1943	4.1739	4.53E+00	7.71E+00	1.15E-05	5.68E-03	5.88E-02	2.21E-02	2.97E+01	2.84E+01	1.37E+01
1088	482259.06	3852450.14	0.60533	3.83799	0.11098	0.16262	0.182	0.228	3.8287	3.83799	4.22E+00	7.09E+00	1.16E-05	5.72E-03	5.70E-02	2.15E-02	2.71E+01	2.61E+01	1.24E+01
1089	482309.06	3852450.14	0.57049	3.30786	0.11895	0.16371	0.181	0.222	3.284	3.30786	3.98E+00	6.11E+00	1.24E-05	5.76E-03	5.66E-02	2.09E-02	2.33E+01	2.25E+01	1.09E+01
1090	482209.06	3852500.14	0.71765	4.6225	0.11269	0.16758	0.193	0.237	4.677	4.6225	5.00E+00	8.54E+00	1.17E-05	5.90E-03	6.06E-02	2.23E-02	3.31E+01	3.14E+01	1.53E+01
1091	482259.06	3852500.14	0.65167	4.15967	0.11191	0.1657	0.191	0.24	4.1886	4.15967	4.54E+00	7.68E+00	1.17E-05	5.83E-03	5.99E-02	2.26E-02	2.97E+01	2.83E+01	1.37E+01
1092	482309.06	3852500.14	0.60398	3.77689	0.11562	0.16598	0.185	0.232	3.7752	3.77689	4.21E+00	6.98E+00	1.20E-05	5.84E-03	5.81E-02	2.18E-02	2.67E+01	2.57E+01	1.23E+01
1093	482283.91	3852513.62	0.63568	4.06498	0.11281	0.16688	0.191	0.24	4.0943	4.06498	4.43E+00	7.51E+00	1.17E-05	5.87E-03	5.99E-02	2.25E-02	2.90E+01	2.76E+01	1.34E+01
1094	482333.91	3852513.62	0.59506	3.69757	0.12351	0.16736	0.185	0.235	3.6981	3.69757	4.15E+00	6.83E+00	1.29E-05	5.89E-03	5.80E-02	2.21E-02	2.62E+01	2.51E+01	1.21E+01
1095	482283.91	3852563.62	0.70565	4.48146	0.11527	0.17091	0.198	0.251	4.4746	4.48146	4.92E+00	8.28E+00	1.20E-05	6.02E-03	6.19E-02	2.36E-02	3.17E+01	3.05E+01	1.45E+01
1096	482333.91	3852563.62	0.63479	4.06411	0.12151	0.17217	0.195	0.247	4.0776	4.06411	4.43E+00	7.51E+00	1.26E-05	6.06E-03	6.10E-02	2.33E-02	2.89E+01	2.76E+01	1.33E+01
1097	482383.91	3852563.62	0.60795	3.70154	0.13354	0.17234	0.189	0.239	3.7303	3.70154	4.24E+00	6.84E+00	1.39E-05	6.07E-03	5.92E-02	2.24E-02	2.64E+01	2.52E+01	1.24E+01
1098	482283.91	3852613.62	0.78861	5.21117	0.11728	0.17992	0.203	0.254	5.1884	5.21117	5.50E+00	9.62E+00	1.22E-05	6.33E-03	6.37E-02	2.39E-02	3.68E+01	3.54E+01	1.65E+01
1099	482333.91	3852613.62	0.70336	4.49379	0.12156	0.17803	0.202	0.258	4.5049	4.49379	4.90E+00	8.30E+00	1.27E-05	6.27E-03	6.32E-02	2.43E-02	3.19E+01	3.06E+01	1.47E+01
1100	482383.91	3852613.62	0.64578	4.05748	0.1333	0.17788	0.198	0.251	4.0874	4.05748	4.50E+00	7.49E+00	1.39E-05	6.26E-03	6.19E-02	2.36E-02	2.90E+01	2.76E+01	1.35E+01
1101	482602.38	3852600.87	0.55011	2.22211	0.16259	0.17422	0.18	0.226	2.2586	2.22211	3.84E+00	4.10E+00	1.69E-05	6.13E-03	5.63E-02	2.12E-02	1.60E+01	1.51E+01	8.92E+00
1102	482652.38	3852600.87	0.52278	2.00081	0.17461	0.1814	0.177	0.23	2.0692	2.00081	3.64E+00	3.70E+00	1.82E-05	6.38E-03	5.53E-02	2.17E-02	1.47E+01	1.36E+01	8.48E+00
1103	482702.38	3852600.87	0.50936	1.67388	0.17941	0.1783	0.173	0.233	1.8026	1.67388	3.55E+00	3.09E+00	1.87E-05	6.28E-03	5.43E-02	2.19E-02	1.28E+01	1.14E+01	8.12E+00
1104	482552.38	3852650.87	0.5895	2.90408	0.16162	0.18405	0.189	0.231	2.9195	2.90408	4.11E+00	5.36E+00	1.68E-05	6.48E-03	5.93E-02	2.17E-02	2.07E+01	1.97E+01	1.05E+01
1105	482602.38	3852650.87	0.57232	2.52252	0.16288	0.18263	0.19	0.229	2.5361	2.52252	3.99E+00	4.66E+00	1.70E-05	6.43E-03	5.96E-02	2.16E-02	1.80E+01	1.72E+01	9.55E+00
1106	482652.38	3852650.87	0.55015	2.31688	0.17589	0.17973	0.182	0.233	2.3316	2.31688	3.84E+00	4.28E+00	1.83E-05	6.33E-03	5.71E-02	2.19E-02	1.65E+01	1.58E+01	8.97E+00
1107	482702.38	3852650.87	0.53411	2.11358	0.18366	0.18643	0.179	0.242	2.1885	2.11358	3.72E+00	3.90E+00	1.91E-05	6.56E-03	5.60E-02	2.27E-02	1.55E+01	1.44E+01	8.85E+00
1108	482552.38	3852700.87	0.61891	3.37494	0.16452	0.1883	0.197	0.24	3.3271	3.37494	4.31E+00	6.23E+00	1.71E-05	6.63E-03	6.17E-02	2.26E-02	2.36E+01	2.29E+01	1.13E+01
1109	482602.38	3852700.87	0.58899	3.04952	0.16422	0.19006	0.192	0.236	3.0269	3.04952	4.11E+00	5.63E+00	1.71E-05	6.69E-03	6.01E-02	2.22E-02	2.14E+01	2.07E+01	1.05E+01
1110	482652.38	3852700.87	0.57142	2.89912	0.17718	0.18897	0.193	0.235	2.8736	2.89912	3.98E+00	5.35E+00	1.84E-05	6.65E-03	6.05E-02	2.21E-02	2.04E+01	1.97E+01	1.01E+01
1111	482702.38	3852700.87	0.55933	2.4878	0.18761	0.19477	0.186	0.248	2.5426	2.4878	3.90E+00	4.59E+00	1.95E-05	6.86E-03	5.83E-02	2.33E-02	1.80E+01	1.69E+01	9.68E+00
1112	482452.38	3852750.87	0.74271	4.72784	0.15179	0.20158	0.21	0.267	4.7548	4.72784	5.18E+00	8.73E+00	1.58E-05	7.09E-03	6.57E-02	2.51E-02	3.37E+01	3.21E+01	1.55E+01
1113	482521.29	3852749.74	0.689	4.00234	0.16919	0.19489	0.207	0.256	3.9317	4.00234	4.80E+00	7.39E+00	1.76E-05	6.86E-03	6.50E-02	2.40E-02	2.79E+01	2.72E+01	1.29E+01
1114	482571.29	3852749.74	0.63691	3.59474	0.16791	0.19324	0.204	0.248	3.5416	3.59474	4.44E+00	6.64E+00	1.75E-05	6.80E-03	6.40E-02	2.33E-02	2.51E+01	2.44E+01	1.18E+01
1115	482521.29	3852799.74	0.74209	4.53543	0.17373	0.2128	0.213	0.266	4.4979	4.53543	5.17E+00	8.38E+00	1.81E-05	7.49E-03	6.66E-02	2.50E-02	3.19E+01	3.08E+01	1.47E+01
1116	482571.29	3852799.74	0.69013	4.01052	0.17401	0.20176	0.212	0.259	3.9456	4.01052	4.81E+00	7.41E+00	1.81E-05	7.10E-03	6.63E-02	2.43E-02	2.80E+01	2.73E+01	1.30E+01
1117	482621.29	3852799.74	0.63716	3.6216	0.17092	0.19952	0.208	0.252	3.5803	3.6216	4.44E+00	6.69E+00	1.78E-05	7.02E-03	6.51E-02	2.36E-02	2.54E+01	2.46E+01	1.20E+01

1118	482571.29	3852849.74	0.74218	4.51536	0.18211	0.22242	0.215	0.27	4.4859	4.51536	5.17E+00	8.34E+00	1.90E-05	7.83E-03	6.75E-02	2.54E-02	3.18E+01	3.07E+01	1.47E+01
1119	482621.29	3852849.74	0.70002	4.0191	0.17464	0.20915	0.215	0.264	3.988	4.0191	4.88E+00	7.42E+00	1.82E-05	7.36E-03	6.75E-02	2.48E-02	2.83E+01	2.73E+01	1.33E+01
1120	482577.42	3852901.55	0.82366	4.97831	0.1905	0.2303	0.224	0.279	5.0105	4.97831	5.74E+00	9.19E+00	1.98E-05	8.11E-03	7.03E-02	2.62E-02	3.55E+01	3.39E+01	1.67E+01
1121	482627.42	3852901.55	0.74875	4.44718	0.18121	0.23028	0.22	0.274	4.4375	4.44718	5.22E+00	8.21E+00	1.89E-05	8.10E-03	6.88E-02	2.58E-02	3.14E+01	3.02E+01	1.47E+01
1122	482629.96	3852955.85	0.83675	4.98572	0.19113	0.24285	0.228	0.284	5.0039	4.98572	5.83E+00	9.21E+00	1.99E-05	8.55E-03	7.14E-02	2.67E-02	3.55E+01	3.39E+01	1.67E+01
1123	482679.96	3852955.85	0.76967	4.36069	0.18653	0.24047	0.224	0.295	4.4148	4.36069	5.37E+00	8.05E+00	1.94E-05	8.46E-03	7.02E-02	2.78E-02	3.13E+01	2.97E+01	1.52E+01
1124	482781.63	3853034.48	0.79553	3.74433	0.2167	0.24659	0.235	0.323	3.7942	3.74433	5.55E+00	6.92E+00	2.26E-05	8.68E-03	7.35E-02	3.04E-02	2.69E+01	2.55E+01	1.40E+01
1125	482831.63	3853034.48	0.72966	3.25603	0.21712	0.2582	0.229	0.305	3.3051	3.25603	5.09E+00	6.01E+00	2.26E-05	9.09E-03	7.18E-02	2.86E-02	2.34E+01	2.21E+01	1.25E+01
1126	482881.63	3853034.48	0.69855	2.76528	0.21659	0.25761	0.226	0.293	2.802	2.76528	4.87E+00	5.11E+00	2.25E-05	9.07E-03	7.07E-02	2.75E-02	1.99E+01	1.88E+01	1.11E+01
1127	482781.63	3853084.48	0.89136	3.88434	0.22258	0.26935	0.239	0.329	3.9674	3.88434	6.21E+00	7.17E+00	2.32E-05	9.48E-03	7.49E-02	3.09E-02	2.81E+01	2.64E+01	1.52E+01
1128	482831.63	3853084.48	0.80827	3.45637	0.22135	0.27332	0.24	0.319	3.5453	3.45637	5.64E+00	6.38E+00	2.30E-05	9.62E-03	7.52E-02	3.00E-02	2.51E+01	2.35E+01	1.38E+01
1129	482881.63	3853084.48	0.72596	3.08631	0.22077	0.26512	0.233	0.315	3.1375	3.08631	5.06E+00	5.70E+00	2.30E-05	9.33E-03	7.31E-02	2.96E-02	2.22E+01	2.10E+01	1.21E+01
1130	482781.63	3853134.48	0.95481	4.13635	0.22847	0.28012	0.244	0.339	4.2778	4.13635	6.66E+00	7.64E+00	2.38E-05	9.86E-03	7.66E-02	3.19E-02	3.03E+01	2.81E+01	1.66E+01
1131	482831.63	3853134.48	0.86891	3.65794	0.2263	0.27967	0.242	0.327	3.7313	3.65794	6.06E+00	6.76E+00	2.36E-05	9.84E-03	7.58E-02	3.08E-02	2.64E+01	2.49E+01	1.45E+01
1132	482881.63	3853134.48	0.79807	3.248	0.22525	0.27989	0.244	0.335	3.273	3.248	5.56E+00	6.00E+00	2.34E-05	9.85E-03	7.66E-02	3.15E-02	2.32E+01	2.21E+01	1.28E+01
1133	482831.63	3853184.48	0.92919	3.8221	0.23143	0.28877	0.25	0.342	3.9193	3.8221	6.48E+00	7.06E+00	2.41E-05	1.02E-02	7.83E-02	3.21E-02	2.78E+01	2.60E+01	1.54E+01
1134	482881.63	3853184.48	0.84659	3.44217	0.23044	0.29911	0.244	0.354	3.5079	3.44217	5.90E+00	6.36E+00	2.40E-05	1.05E-02	7.65E-02	3.33E-02	2.49E+01	2.34E+01	1.38E+01
1135	484154.84	3854250.98	2.29051	0.57551	0.82638	2.75605	0.358	1.771	1.4783	0.57551	1.60E+01	1.06E+00	8.60E-05	9.70E-02	1.12E-01	1.66E-01	1.05E+01	3.91E+00	2.40E+01
1136	484204.84	3854250.98	2.28278	0.57178	0.76176	2.60899	0.352	1.675	1.4464	0.57178	1.59E+01	1.06E+00	7.93E-05	9.18E-02	1.10E-01	1.57E-01	1.02E+01	3.89E+00	2.37E+01
1137	484154.84	3854300.98	2.54631	0.53786	0.88092	2.87608	0.378	1.757	1.5351	0.53786	1.78E+01	9.93E-01	9.17E-05	1.01E-01	1.18E-01	1.65E-01	1.09E+01	3.66E+00	2.63E+01
1138	484204.84	3854300.98	2.50895	0.54205	0.83773	2.80157	0.37	1.729	1.4874	0.54205	1.75E+01	1.00E+00	8.72E-05	9.86E-02	1.16E-01	1.63E-01	1.05E+01	3.69E+00	2.57E+01
1139	484074.19	3854519.8	3.54769	0.50082	2.18035	7.37702	0.44	3.363	2.669	0.50082	2.47E+01	9.25E-01	2.27E-04	2.60E-01	1.38E-01	3.16E-01	1.89E+01	3.41E+00	4.19E+01
1140	484124.19	3854519.8	3.55767	0.50026	2.04707	5.94743	0.428	2.809	2.3468	0.50026	2.48E+01	9.24E-01	2.13E-04	2.09E-01	1.34E-01	2.64E-01	1.66E+01	3.40E+00	3.96E+01
1141	484074.19	3854569.8	3.86074	0.53002	2.70983	10.51007	0.453	4.012	3.3227	0.53002	2.69E+01	9.79E-01	2.82E-04	3.70E-01	1.42E-01	3.77E-01	2.35E+01	3.60E+00	4.87E+01
1142	484124.19	3854569.8	3.84132	0.47838	2.7999	7.82198	0.451	3.194	2.7266	0.47838	2.68E+01	8.84E-01	2.91E-04	2.75E-01	1.41E-01	3.00E-01	1.93E+01	3.25E+00	4.44E+01
1143	485205.11	3855188.89	4.41506	0.60724	2.24189	7.88006	0.611	3.63	3.2544	0.60724	3.08E+01	1.12E+00	2.33E-04	2.77E-01	1.91E-01	3.41E-01	2.31E+01	4.13E+00	5.16E+01
1144	485255.11	3855188.89	4.35125	0.58179	2.13456	6.6421	0.578	3.305	2.8507	0.58179	3.03E+01	1.07E+00	2.22E-04	2.34E-01	1.81E-01	3.11E-01	2.02E+01	3.96E+00	4.84E+01
1145	485205.11	3855238.89	4.61297	0.6059	2.41843	9.06021	0.603	3.775	3.3624	0.6059	3.22E+01	1.12E+00	2.52E-04	3.19E-01	1.89E-01	3.55E-01	2.38E+01	4.12E+00	5.38E+01
1146	485255.11	3855238.89	4.47491	0.60292	2.3384	7.57685	0.621	3.458	3.1313	0.60292	3.12E+01	1.11E+00	2.43E-04	2.67E-01	1.95E-01	3.25E-01	2.22E+01	4.10E+00	5.12E+01
1147	485205.11	3855288.89	4.74764	0.65086	2.55409	12.90912	0.688	4.845	3.984	0.65086	3.31E+01	1.20E+00	2.66E-04	4.54E-01	2.15E-01	4.55E-01	2.82E+01	4.43E+00	5.92E+01
1148	485255.11	3855288.89	4.59403	0.6426	2.48553	10.20991	0.625	4.205	3.4692	0.6426	3.20E+01	1.19E+00	2.59E-04	3.59E-01	1.96E-01	3.95E-01	2.46E+01	4.37E+00	5.44E+01
1149	485255.11	3855338.89	4.78001	0.67647	2.84422	13.86022	0.726	4.933	4.0733	0.67647	3.33E+01	1.25E+00	2.96E-04	4.88E-01	2.28E-01	4.64E-01	2.89E+01	4.60E+00	6.00E+01
1150	485305.11	3855338.89	4.61765	0.65906	2.81092	10.85538	0.681	4.255	3.571	0.65906	3.22E+01	1.22E+00	2.93E-04	3.82E-01	2.14E-01	4.00E-01	2.53E+01	4.48E+00	5.52E+01
1151	485852.5	3855635.28	4.13065	0.68386	3.83171	6.05754	0.846	2.963	2.3887	0.68386	2.88E+01	1.26E+00	3.99E-04	2.13E-01	2.65E-01	2.79E-01	1.69E+01	4.65E+00	4.31E+01
1152	485902.5	3855635.28	4.07204	0.65609	3.83339	5.37359	0.845	2.69	2.1676	0.65609	2.84E+01	1.21E+00	3.99E-04	1.89E-01	2.65E-01	2.53E-01	1.54E+01	4.46E+00	4.12E+01
1153	485852.5	3855685.28	4.3087	0.69825	4.08183	6.93168	0.869	3.148	2.5408	0.69825	3.00E+01	1.29E+00	4.25E-04	2.44E-01	2.72E-01	2.96E-01	1.80E+01	4.75E+00	4.54E+01
1154	485902.5	3855685.28	4.21702	0.67567	3.94043	5.88644	0.887	2.809	2.2738	0.67567	2.94E+01	1.25E+00	4.10E-04	2.07E-01	2.78E-01	2.64E-01	1.61E+01	4.59E+00	4.29E+01
1155	485852.5	3855735.28	4.50969	0.70739	4.66035	8.16899	0.997	3.409	2.6739	0.70739	3.14E+01	1.31E+00	4.85E-04	2.88E-01	3.12E-01	3.20E-01	1.89E+01	4.81E+00	4.78E+01
1156	485902.5	3855735.28	4.37315	0.69614	4.43774	7.04439	0.934	3.09	2.4345	0.69614	3.05E+01	1.29E+00	4.62E-04	2.48E-01	2.93E-01	2.90E-01	1.72E+01	4.73E+00	4.51E+01
1157	485852.5	3855785.28	4.67069	0.73238	5.49306	10.07675	1.102	4.06	2.9954	0.73238	3.26E+01	1.35E+00	5.72E-04	3.55E-01	3.45E-01	3.82E-01	2.12E+01	4.98E+00	5.12E+01
1158	485902.5	3855785.28	4.56962	0.70483	5.23968	8.34359	1.07	3.286	2.6041	0.70483	3.19E+01	1.30E+00	5.45E-04	2.94E-01	3.35E-01	3.09E-01	1.85E+01	4.79E+00	4.78E+01
1159	486809.46	3856465.28	4.46918	0.69882	2.55014	6.7478	4.104	3.152	2.4158	0.69882	3.12E+01	1.29E+00	2.65E-04	2.37E-01	1.29E+00	2.96E-01	1.71E+01	4.75E+00	4.66E+01
1160	486859.46	3856465.28	4.3476	0.70672	2.40192	6.13291	4.122	2.994	2.3241	0.70672	3.03E+01	1.31E+00	2.50E-04	2.16E-01	1.29E+00	2.81E-01	1.65E+01	4.81E+00	4.51E+01
1161	486909.46	3856465.28	4.23546	0.71086	2.40474	5.64519	4.058	2.845	2.2278	0.71086	2.95E+01	1.31E+00	2.50E-04	1.99E-01	1.27E+00	2.67E-01	1.58E+01	4.83E+00	4.35E+01
1162	486809.46	3856515.28	4.5564	0.71954	2.28725	7.60106	4.334	3.382	2.5287	0.71954	3.18E+01	1.33E+00	2.38E-04	2.68E-01	1.36E+00	3.18E-01	1.79E+01	4.89E+00	4.81E+01
1163	486859.46	3856515.28	4.41867	0.72483	2.2781	6.75272	4.711	3.191	2.4033	0.72483	3.08E+01	1.34E+00	2.37E-04	2.38E-01	1.48E+00	3.00E-01	1.70E+01	4.93E+00	4.63E+01
1164	486909.46	3856515.28	4.30099	0.72498	2.3743	6.13592	4.767	3.034	2.3065	0.72498	3.00E+01	1.34E+00	2.47E-04	2.16E-01	1.49E+00	2.85E-01	1.63E+01	4.93E+00	4.47E+01
1165	486980.94	3856357.95	3.90202	0.65231	2.35163	4.36585	3.089	2.372	1.8816	0.65231	2.72E+01	1.20E+00	2.45E-04	1.54E-01	9.68E-01	2.23E-01	1.33E+01	4.44E+00	3.86E+01
1166	487030.94	3856357.95	3.74712	0.6492	2.36934	4.03557	3.156	2.294	1.8217	0.6492	2.61E+01	1.20E+00	2.47E-04	1.42E-01	9.89E-01	2.16E-01	1.29E+01	4.41E+00	3.72E+01
1167	486980.94	3856407.95	4.02938	0.6806	2.2782	4.72169	3.562	2.501	1.9881	0.6806	2.81E+01	1.26E+00	2.37E-04	1.66E-01	1.12E+00	2.35E-01	1.41E+01	4.63E+00	4.03E+01
1168	487030.94	3856407.95	3.8672	0.67055	2.22591	4.41701	3.692	2.408	1.9166	0.67055	2.70E+01	1.24E+00	2.32E-04	1.55E-01	1.16E+00	2.26E-01	1.36E+01	4.56E+00	3.88E+01
1169	487447.18	3856437.45	3.2236	0.63967	1.98745	2.97617	4.402	1.889	1.4555	0.63967	2.25E+01	1.18E+00	2.07E-04	1.05E-01	1.38E+00	1.78E-01	1.03E+01	4.35E+00	3.13E+01
1170	487497.18	3856437.45	3.17011	0.62919	1.92096	2.86885	4.375	1.848	1.4147	0.62919	2.21E+01	1.16E+00	2.00E-04	1.01E-01	1.37E+00	1.74E-01	1.00E+01	4.28E+00	3.07E+01
1171	487547.18	3856437.45	3.11752	0.62294	1.85509	2.77382	4.289	1.831	1.3795	0.62294	2.17E+01	1.15E+00	1.93E-04	9.76E-02	1.34E+00	1.72E-01	9.77E+00	4.24E+00	3.00E+01
1172	487447.18	3856487.45	3.26127	0.67084	2.06382	3.10249	4.971	1.952	1.5115	0.67084	2.27E+01	1.24E+00	2.15E-04	1.09E-01	1.56E+00	1.83E-01	1.07E+01	4.56E+00	3.20E+01
1173	487497.18	3856487.45	3.2108	0.65529	2.02947	2.98768	5.109	1.93	1.457	0.65529	2.24E+01	1.21E+00	2.11E-04	1.05E-01	1.60E+00	1.81E-01	1.03E+01	4.46E+00	3.14E+01
1174	487547.18	3856487.45	3.15978	0.64228	2.00727	2.88485	5.219	1.911	1.4172	0.64228	2.20E+01	1.19E+00	2.09E-04	1.02E-01	1.64E+00	1.80E-01	1.00E+01	4.37E+00	3.08E+01
1175	487447.18	3856537.45	3.28336	0.68736	2.02955	3.22728	5.747	2.056	1.5533	0.68736	2.29E+01	1.27E+00	2.11E-04	1.14E-01	1.80E+00	1.93E-01	1.10E+01	4.67E+00	3.26E+01
1176	487497.18	3856537.45	3.23155	0.67945	2.02334	3.10894	6.156	2.029	1.4963	0.67945	2.25E+01	1.25E+00	2.11E-04	1.09E-01	1.93E+00	1.91E-01	1.06E+01	4.62E+00	3.20E+01

1177	487547.18	3856537.45	3.17589	0.67005	2.04564	2.99875	6.78	2.002	1.4455	0.67005	2.21E+01	1.24E+00	2.13E-04	1.06E-01	2.12E+00	1.88E-01	1.02E+01	4.56E+00	3.15E+01
1178	489285.89	3858826.54	3.57937	3.0117	1.91165	16.33743	2.699	6.637	2.9324	3.0117	2.50E+01	5.56E+00	1.99E-04	5.75E-01	8.46E-01	6.24E-01	2.08E+01	2.05E+01	3.29E+01
1179	489335.89	3858826.54	3.48776	2.85113	2.05286	13.18374	3.059	6.219	2.7868	2.85113	2.43E+01	5.27E+00	2.14E-04	4.64E-01	9.58E-01	5.85E-01	1.97E+01	1.94E+01	3.19E+01
1180	489385.89	3858826.54	3.38648	2.73406	2.05779	11.25582	3.31	5.873	2.653	2.73406	2.36E+01	5.05E+00	2.14E-04	3.96E-01	1.04E+00	5.52E-01	1.88E+01	1.86E+01	3.09E+01
1181	489435.89	3858826.54	3.30423	2.62985	2.25684	9.81787	2.988	5.508	2.5133	2.62985	2.30E+01	4.86E+00	2.35E-04	3.46E-01	9.36E-01	5.18E-01	1.78E+01	1.79E+01	2.96E+01
1182	489485.89	3858826.54	3.23018	2.51101	2.63836	8.72235	2.662	5.176	2.4098	2.51101	2.25E+01	4.64E+00	2.75E-04	3.07E-01	8.34E-01	4.87E-01	1.71E+01	1.71E+01	2.88E+01
1183	489535.89	3858826.54	3.15431	2.42713	2.55914	7.96214	2.832	4.952	2.3124	2.42713	2.20E+01	4.48E+00	2.66E-04	2.80E-01	8.87E-01	4.65E-01	1.64E+01	1.65E+01	2.80E+01
1184	489585.89	3858826.54	3.08582	2.32609	2.84248	7.26671	3.089	4.765	2.217	2.32609	2.15E+01	4.30E+00	2.96E-04	2.56E-01	9.68E-01	4.48E-01	1.57E+01	1.58E+01	2.74E+01
1185	489635.89	3858826.54	3.01941	2.23661	2.7787	6.85614	3.089	4.597	2.1372	2.23661	2.11E+01	4.13E+00	2.89E-04	2.41E-01	9.68E-01	4.32E-01	1.51E+01	1.52E+01	2.68E+01
1186	489685.89	3858826.54	2.95821	2.15939	2.28273	6.4558	2.819	4.428	2.0484	2.15939	2.06E+01	3.99E+00	2.38E-04	2.27E-01	8.83E-01	4.16E-01	1.45E+01	1.47E+01	2.60E+01
1187	489735.89	3858826.54	2.90084	2.08668	2.24961	6.22382	2.512	4.269	2.0274	2.08668	2.02E+01	3.85E+00	2.34E-04	2.19E-01	7.87E-01	4.01E-01	1.44E+01	1.42E+01	2.57E+01
1188	489785.89	3858826.54	2.84594	2.03707	2.33385	5.95038	2.593	4.126	1.9974	2.03707	1.98E+01	3.76E+00	2.43E-04	2.09E-01	8.13E-01	3.88E-01	1.42E+01	1.39E+01	2.53E+01
1189	489835.89	3858826.54	2.79545	1.99262	2.34724	5.6898	2.713	3.989	1.9572	1.99262	1.95E+01	3.68E+00	2.44E-04	2.00E-01	8.50E-01	3.75E-01	1.39E+01	1.35E+01	2.49E+01
1190	489885.89	3858826.54	2.74585	1.94278	2.0931	5.50018	2.891	3.87	1.9045	1.94278	1.91E+01	3.59E+00	2.18E-04	1.94E-01	9.06E-01	3.64E-01	1.35E+01	1.32E+01	2.45E+01
1191	489935.89	3858826.54	2.6978	1.85122	2.00909	5.32457	2.976	3.742	1.8244	1.85122	1.88E+01	3.42E+00	2.09E-04	1.87E-01	9.33E-01	3.52E-01	1.29E+01	1.26E+01	2.40E+01
1192	489985.89	3858826.54	2.64981	1.79231	1.94659	5.12321	2.801	3.655	1.7391	1.79231	1.85E+01	3.31E+00	2.03E-04	1.80E-01	8.77E-01	3.44E-01	1.23E+01	1.22E+01	2.33E+01
1193	490035.89	3858826.54	2.58523	1.72912	1.89836	4.93334	2.631	3.555	1.6812	1.72912	1.80E+01	3.19E+00	1.98E-04	1.74E-01	8.24E-01	3.34E-01	1.19E+01	1.18E+01	2.27E+01
1194	489285.89	3858876.54	3.63244	3.31356	1.79016	17.66692	2.642	7.099	3.1869	3.31356	2.53E+01	6.12E+00	1.86E-04	6.22E-01	8.28E-01	6.67E-01	2.26E+01	2.25E+01	3.36E+01
1195	489335.89	3858876.54	3.52569	3.12722	1.90624	14.01073	2.506	6.615	3	3.12722	2.46E+01	5.78E+00	1.98E-04	4.93E-01	7.85E-01	6.22E-01	2.13E+01	2.13E+01	3.22E+01
1196	489385.89	3858876.54	3.41233	2.95629	1.93168	11.6645	2.838	6.261	2.8538	2.95629	2.38E+01	5.46E+00	2.01E-04	4.11E-01	8.89E-01	5.88E-01	2.02E+01	2.01E+01	3.13E+01
1197	489435.89	3858876.54	3.31924	2.84038	2.10814	10.06562	3.057	5.965	2.7156	2.84038	2.31E+01	5.25E+00	2.19E-04	3.54E-01	9.58E-01	5.61E-01	1.92E+01	1.93E+01	3.02E+01
1198	489485.89	3858876.54	3.24041	2.73059	2.29914	8.98973	2.795	5.621	2.5775	2.73059	2.26E+01	5.04E+00	2.39E-04	3.16E-01	8.76E-01	5.28E-01	1.83E+01	1.86E+01	2.91E+01
1199	489535.89	3858876.54	3.16494	2.61366	2.43703	8.20345	2.379	5.265	2.4658	2.61366	2.21E+01	4.83E+00	2.54E-04	2.89E-01	7.46E-01	4.95E-01	1.75E+01	1.78E+01	2.81E+01
1200	489585.89	3858876.54	3.10859	2.51345	2.83391	7.55728	2.557	4.966	2.3576	2.51345	2.17E+01	4.64E+00	2.95E-04	2.66E-01	8.01E-01	4.67E-01	1.67E+01	1.71E+01	2.75E+01
1201	489635.89	3858876.54	3.05275	2.41603	2.89059	7.0539	2.799	4.768	2.2754	2.41603	2.13E+01	4.46E+00	3.01E-04	2.48E-01	8.77E-01	4.48E-01	1.61E+01	1.64E+01	2.70E+01
1202	489685.89	3858876.54	2.99472	2.30606	2.58936	6.83516	2.816	4.582	2.1974	2.30606	2.09E+01	4.26E+00	2.70E-04	2.41E-01	8.82E-01	4.31E-01	1.56E+01	1.57E+01	2.66E+01
1203	489735.89	3858876.54	2.93011	2.20817	2.34849	6.47624	2.731	4.433	2.1032	2.20817	2.04E+01	4.08E+00	2.44E-04	2.28E-01	8.56E-01	4.17E-01	1.49E+01	1.50E+01	2.59E+01
1204	489785.89	3858876.54	2.86534	2.13546	2.26899	6.20788	2.319	4.3	2.0313	2.13546	2.00E+01	3.94E+00	2.36E-04	2.18E-01	7.27E-01	4.04E-01	1.44E+01	1.45E+01	2.51E+01
1205	489835.89	3858876.54	2.81	2.07732	2.37467	5.94014	2.384	4.175	2.0264	2.07732	1.96E+01	3.84E+00	2.47E-04	2.09E-01	7.47E-01	3.92E-01	1.44E+01	1.41E+01	2.50E+01
1206	489885.89	3858876.54	2.75718	2.03024	2.1878	5.70016	2.478	4.041	1.9908	2.03024	1.92E+01	3.75E+00	2.28E-04	2.01E-01	7.76E-01	3.80E-01	1.41E+01	1.38E+01	2.46E+01
1207	489935.89	3858876.54	2.71062	1.98266	1.95203	5.47474	2.623	3.914	1.9352	1.98266	1.89E+01	3.66E+00	2.03E-04	1.93E-01	8.22E-01	3.68E-01	1.37E+01	1.35E+01	2.42E+01
1208	489985.89	3858876.54	2.66519	1.87556	1.98723	5.28039	2.824	3.777	1.8473	1.87556	1.86E+01	3.46E+00	2.07E-04	1.86E-01	8.85E-01	3.55E-01	1.31E+01	1.28E+01	2.38E+01
1209	490035.89	3858876.54	2.61576	1.81411	1.92527	5.06693	2.684	3.668	1.7578	1.81411	1.82E+01	3.35E+00	2.00E-04	1.78E-01	8.41E-01	3.45E-01	1.25E+01	1.23E+01	2.31E+01
1210	489285.89	3858926.54	3.6654	3.64284	1.7709	20.04523	2.875	8.414	3.5212	3.64284	2.56E+01	6.73E+00	1.84E-04	7.06E-01	9.01E-01	7.91E-01	2.49E+01	2.48E+01	3.49E+01
1211	489335.89	3858926.54	3.53988	3.44689	1.77601	15.64984	2.388	7.516	3.3128	3.44689	2.47E+01	6.37E+00	1.85E-04	5.51E-01	7.48E-01	7.06E-01	2.35E+01	2.34E+01	3.31E+01
1212	489385.89	3858926.54	3.43221	3.25811	1.89738	13.20281	2.314	6.941	3.1195	3.25811	2.39E+01	6.02E+00	1.98E-04	4.65E-01	7.25E-01	6.52E-01	2.21E+01	2.22E+01	3.17E+01
1213	489435.89	3858926.54	3.34646	3.0699	1.99009	11.25875	2.638	6.475	2.9484	3.0699	2.33E+01	5.67E+00	2.07E-04	3.96E-01	8.26E-01	6.09E-01	2.09E+01	2.09E+01	3.08E+01
1214	489485.89	3858926.54	3.28529	2.9394	2.24739	9.76334	2.824	6.066	2.7848	2.9394	2.29E+01	5.43E+00	2.34E-04	3.44E-01	8.85E-01	5.70E-01	1.97E+01	2.00E+01	2.99E+01
1215	489535.89	3858926.54	3.22076	2.81384	2.24798	8.84576	2.621	5.688	2.6461	2.81384	2.25E+01	5.20E+00	2.34E-04	3.11E-01	8.21E-01	5.35E-01	1.87E+01	1.91E+01	2.89E+01
1216	489585.89	3858926.54	3.14455	2.71023	2.6818	8.11122	2.205	5.35	2.5362	2.71023	2.19E+01	5.01E+00	2.79E-04	2.85E-01	6.91E-01	5.03E-01	1.80E+01	1.84E+01	2.79E+01
1217	489635.89	3858926.54	3.07003	2.60795	2.87923	7.51866	2.321	5.083	2.4462	2.60795	2.14E+01	4.82E+00	3.00E-04	2.65E-01	7.27E-01	4.78E-01	1.73E+01	1.77E+01	2.73E+01
1218	489685.89	3858926.54	3.01267	2.49435	2.74117	7.10283	2.544	4.832	2.3479	2.49435	2.10E+01	4.61E+00	2.85E-04	2.50E-01	7.97E-01	4.54E-01	1.66E+01	1.70E+01	2.68E+01
1219	489735.89	3858926.54	2.94609	2.3953	2.61874	6.84708	2.578	4.637	2.2698	2.3953	2.05E+01	4.42E+00	2.73E-04	2.41E-01	8.08E-01	4.36E-01	1.61E+01	1.63E+01	2.62E+01
1220	489785.89	3858926.54	2.885	2.30439	2.57701	6.47809	2.575	4.464	2.1967	2.30439	2.01E+01	4.26E+00	2.68E-04	2.28E-01	8.07E-01	4.20E-01	1.56E+01	1.57E+01	2.57E+01
1221	489835.89	3858926.54	2.83444	2.20279	2.55285	6.2155	2.222	4.305	2.1151	2.20279	1.98E+01	4.07E+00	2.66E-04	2.19E-01	6.96E-01	4.05E-01	1.50E+01	1.50E+01	2.52E+01
1222	489885.89	3858926.54	2.7896	2.13003	2.32116	5.93644	2.195	4.172	2.0803	2.13003	1.94E+01	3.93E+00	2.42E-04	2.09E-01	6.88E-01	3.92E-01	1.47E+01	1.45E+01	2.49E+01
1223	489935.89	3858926.54	2.74044	2.06645	2.03703	5.61797	2.276	4.046	2.0332	2.06645	1.91E+01	3.82E+00	2.12E-04	1.98E-01	7.13E-01	3.80E-01	1.44E+01	1.41E+01	2.46E+01
1224	489985.89	3858926.54	2.69203	2.01027	2.13875	5.34685	2.389	3.918	1.9705	2.01027	1.88E+01	3.71E+00	2.23E-04	1.88E-01	7.49E-01	3.68E-01	1.40E+01	1.37E+01	2.41E+01
1225	490035.89	3858926.54	2.64315	1.88333	1.89801	5.108	2.549	3.794	1.875	1.88333	1.84E+01	3.48E+00	1.98E-04	1.80E-01	7.99E-01	3.57E-01	1.33E+01	1.28E+01	2.37E+01
1226	489335.89	3858976.54	3.58917	3.82735	1.83543	19.97851	2.605	9.274	3.6484	3.82735	2.50E+01	7.07E+00	1.91E-04	7.03E-01	8.16E-01	8.72E-01	2.58E+01	2.60E+01	3.43E+01
1227	489385.89	3858976.54	3.51559	3.59734	1.94449	16.0872	2.233	7.834	3.4287	3.59734	2.45E+01	6.64E+00	2.02E-04	5.66E-01	7.00E-01	7.36E-01	2.43E+01	2.45E+01	3.30E+01
1228	489435.89	3858976.54	3.48368	3.40763	1.95636	13.13685	2.152	7.161	3.2525	3.40763	2.43E+01	6.29E+00	2.04E-04	4.62E-01	6.74E-01	6.73E-01	2.30E+01	2.32E+01	3.23E+01
1229	489485.89	3858976.54	3.41607	3.20336	2.28312	11.2736	2.456	6.648	3.0704	3.20336	2.38E+01	5.92E+00	2.38E-04	3.97E-01	7.70E-01	6.25E-01	2.18E+01	2.18E+01	3.15E+01
1230	489535.89	3858976.54	3.29727	3.04413	2.37022	9.95454	2.624	6.173	2.9029	3.04413	2.30E+01	5.62E+00	2.47E-04	3.50E-01	8.22E-01	5.80E-01	2.06E+01	2.07E+01	3.02E+01
1231	489585.89	3858976.54	3.19474	2.90048	2.76634	8.98222	2.46	5.773	2.761	2.90048	2.23E+01	5.36E+00	2.88E-04	3.16E-01	7.71E-01	5.43E-01	1.96E+01	1.97E+01	2.91E+01
1232	489635.89	3858976.54	3.0985	2.78206	2.88385	8.21202	2.055	5.413	2.6354	2.78206	2.16E+01	5.14E+00	3.00E-04	2.89E-01	6.44E-01	5.09E-01	1.87E+01	1.89E+01	2.79E+01
1233	489685.89	3858976.54	3.00929	2.69099	3.17491	7.59332	2.115	5.123	2.5184	2.69099	2.10E+01	4.97E+00	3.31E-04	2.67E-01	6.63E-01	4.82E-01	1.78E+01	1.83E+01	2.69E+01
1234	489735.89	3858976.54	2.95772	2.58181	2.88842	7.1726	2.314	4.877	2.4245	2.58181	2.06E+01	4.77E+00	3.01E-04	2.52E-01	7.25E-01	4.58E-01	1.72E+01	1.76E+01	2.64E+01
1235	489785.89	3858976.54	2.92456	2.48735	2.83241	6.79629	2.383	4.675	2.3459	2.48735	2.04E+01	4.59E+00	2.95E-04	2.39E-01	7.47E-01	4.39E-01	1.66E+01	1.69E+01	2.61E+01

1236	489835.89	3858976.54	2.87547	2.39186	2.59078	6.41788	2.329	4.505	2.2694	2.39186	2.00E+01	4.42E+00	2.70E-04	2.26E-01	7.30E-01	4.23E-01	1.61E+01	1.63E+01	2.57E+01
1237	489885.89	3858976.54	2.8297	2.28481	2.43592	6.10208	2.147	4.329	2.1874	2.28481	1.97E+01	4.22E+00	2.54E-04	2.15E-01	6.73E-01	4.07E-01	1.55E+01	1.55E+01	2.52E+01
1238	489935.89	3858976.54	2.77003	2.19507	2.17402	5.81594	2.033	4.173	2.1417	2.19507	1.93E+01	4.05E+00	2.26E-04	2.05E-01	6.37E-01	3.92E-01	1.52E+01	1.49E+01	2.48E+01
1239	489985.89	3858976.54	2.71772	2.11183	2.08453	5.57061	2.098	4.033	2.0737	2.11183	1.89E+01	3.90E+00	2.17E-04	1.96E-01	6.57E-01	3.79E-01	1.47E+01	1.44E+01	2.44E+01
1240	490035.89	3858976.54	2.67057	1.98714	2.05226	5.21431	2.21	3.774	1.974	1.98714	1.86E+01	3.67E+00	2.14E-04	1.84E-01	6.92E-01	3.55E-01	1.40E+01	1.35E+01	2.40E+01
1241	489385.89	3859026.54	3.5427	3.99661	2.06052	19.58159	2.386	10.79	3.8439	3.99661	2.47E+01	7.38E+00	2.15E-04	6.89E-01	7.48E-01	1.01E+00	2.72E+01	2.72E+01	3.46E+01
1242	489435.89	3859026.54	3.59937	3.78379	2.13908	16.56442	2.159	8.509	3.6278	3.78379	2.51E+01	6.99E+00	2.23E-04	5.83E-01	6.76E-01	8.00E-01	2.57E+01	2.57E+01	3.41E+01
1243	489485.89	3859026.54	3.49561	3.5609	2.22758	13.54166	2.036	7.491	3.4196	3.5609	2.44E+01	6.58E+00	2.32E-04	4.77E-01	6.38E-01	7.04E-01	2.42E+01	2.42E+01	3.28E+01
1244	489535.89	3859026.54	3.34692	3.34093	2.56323	11.6237	2.293	6.837	3.2214	3.34093	2.33E+01	6.17E+00	2.67E-04	4.09E-01	7.19E-01	6.43E-01	2.28E+01	2.27E+01	3.14E+01
1245	489585.89	3859026.54	3.23807	3.16149	2.75993	10.33794	2.439	6.313	3.0439	3.16149	2.26E+01	5.84E+00	2.87E-04	3.64E-01	7.64E-01	5.93E-01	2.16E+01	2.15E+01	3.02E+01
1246	489635.89	3859026.54	3.18675	3.00109	2.98944	9.2893	2.313	5.871	2.8529	3.00109	2.22E+01	5.54E+00	3.11E-04	3.27E-01	7.25E-01	5.52E-01	2.02E+01	2.04E+01	2.92E+01
1247	489685.89	3859026.54	3.10155	2.86	3.84	8.45529	1.94	5.468	2.7065	2.86	2.16E+01	5.28E+00	4.00E-04	2.98E-01	6.08E-01	5.14E-01	1.92E+01	1.94E+01	2.81E+01
1248	489735.89	3859026.54	3.01684	2.74183	3.1009	7.80097	1.961	5.19	2.5952	2.74183	2.10E+01	5.06E+00	3.23E-04	2.75E-01	6.14E-01	4.88E-01	1.84E+01	1.86E+01	2.72E+01
1249	489785.89	3859026.54	2.94915	2.65084	3.14213	7.36275	2.109	4.95	2.4953	2.65084	2.06E+01	4.90E+00	3.27E-04	2.59E-01	6.61E-01	4.65E-01	1.77E+01	1.80E+01	2.65E+01
1250	489835.89	3859026.54	2.87094	2.55859	2.92856	6.8755	2.218	4.72	2.4018	2.55859	2.00E+01	4.73E+00	3.05E-04	2.42E-01	6.95E-01	4.44E-01	1.70E+01	1.74E+01	2.57E+01
1251	489885.89	3859026.54	2.81731	2.45214	2.65435	6.47181	2.144	4.524	2.3083	2.45214	1.96E+01	4.53E+00	2.76E-04	2.28E-01	6.72E-01	4.25E-01	1.64E+01	1.67E+01	2.52E+01
1252	489935.89	3859026.54	2.77721	2.35107	2.49805	6.12515	2.074	4.347	2.212	2.35107	1.94E+01	4.34E+00	2.60E-04	2.16E-01	6.50E-01	4.09E-01	1.57E+01	1.60E+01	2.47E+01
1253	489985.89	3859026.54	2.72657	2.25221	2.20388	5.79254	1.878	4.187	2.17	2.25221	1.90E+01	4.16E+00	2.29E-04	2.04E-01	5.88E-01	3.94E-01	1.54E+01	1.53E+01	2.44E+01
1254	490035.89	3859026.54	2.69257	2.0862	2.47331	5.3741	1.957	3.849	2.0213	2.0862	1.88E+01	3.85E+00	2.57E-04	1.89E-01	6.13E-01	3.62E-01	1.43E+01	1.42E+01	2.39E+01
1255	489485.89	3859076.54	3.41004	3.95011	2.58462	18.89536	2.096	9.021	3.8411	3.95011	2.38E+01	7.30E+00	2.69E-04	6.65E-01	6.57E-01	8.48E-01	2.72E+01	2.69E+01	3.36E+01
1256	489535.89	3859076.54	3.38297	3.72155	2.78368	14.59912	1.916	7.765	3.6159	3.72155	2.36E+01	6.87E+00	2.90E-04	5.14E-01	6.00E-01	7.30E-01	2.56E+01	2.53E+01	3.26E+01
1257	489585.89	3859076.54	3.38165	3.47596	3.33428	12.17136	2.147	7.046	3.3889	3.47596	2.36E+01	6.42E+00	3.47E-04	4.28E-01	6.73E-01	6.62E-01	2.40E+01	2.36E+01	3.21E+01
1258	489635.89	3859076.54	3.30506	3.30681	3.60101	10.78886	2.269	6.479	3.1604	3.30681	2.30E+01	6.11E+00	3.75E-04	3.80E-01	7.11E-01	6.09E-01	2.24E+01	2.25E+01	3.08E+01
1259	489685.89	3859076.54	3.21439	3.14579	4.01354	9.67844	2.188	5.981	2.9812	3.14579	2.24E+01	5.81E+00	4.18E-04	3.41E-01	6.86E-01	5.62E-01	2.11E+01	2.14E+01	2.95E+01
1260	489735.89	3859076.54	3.1319	2.98926	3.40735	8.82031	1.833	5.592	2.8303	2.98926	2.18E+01	5.52E+00	3.55E-04	3.10E-01	5.74E-01	5.26E-01	2.01E+01	2.03E+01	2.85E+01
1261	489785.89	3859076.54	3.04557	2.84085	3.44955	8.09332	1.84	5.298	2.6809	2.84085	2.12E+01	5.25E+00	3.59E-04	2.85E-01	5.77E-01	4.98E-01	1.90E+01	1.93E+01	2.75E+01
1262	489835.89	3859076.54	2.97695	2.73318	3.07141	7.55037	1.932	5.035	2.5553	2.73318	2.08E+01	5.05E+00	3.20E-04	2.66E-01	6.05E-01	4.73E-01	1.81E+01	1.86E+01	2.67E+01
1263	489885.89	3859076.54	2.8973	2.60984	2.98902	7.04874	2.072	4.798	2.4622	2.60984	2.02E+01	4.82E+00	3.11E-04	2.48E-01	6.49E-01	4.51E-01	1.74E+01	1.77E+01	2.61E+01
1264	489935.89	3859076.54	2.83184	2.52301	2.85768	6.61425	1.974	4.593	2.3618	2.52301	1.97E+01	4.66E+00	2.98E-04	2.33E-01	6.19E-01	4.32E-01	1.67E+01	1.72E+01	2.53E+01
1265	489985.89	3859076.54	2.78975	2.41593	2.94765	6.2055	1.935	4.383	2.2542	2.41593	1.94E+01	4.46E+00	3.07E-04	2.18E-01	6.06E-01	4.12E-01	1.60E+01	1.64E+01	2.47E+01
1266	490035.89	3859076.54	2.7485	2.22642	3.23209	5.71601	1.794	3.99	2.126	2.22642	1.92E+01	4.11E+00	3.36E-04	2.01E-01	5.62E-01	3.75E-01	1.51E+01	1.51E+01	2.43E+01
1267	489585.89	3859126.54	3.56645	3.89965	3.49775	15.60425	1.821	8.36	3.779	3.89965	2.49E+01	7.20E+00	3.64E-04	5.49E-01	5.71E-01	7.86E-01	2.68E+01	2.65E+01	3.42E+01
1268	489635.89	3859126.54	3.52597	3.64523	4.28625	13.09271	2.008	7.229	3.5429	3.64523	2.46E+01	6.73E+00	4.46E-04	4.61E-01	6.29E-01	6.80E-01	2.51E+01	2.48E+01	3.34E+01
1269	489685.89	3859126.54	3.42103	3.45629	4.66867	11.23303	2.113	6.65	3.3017	3.45629	2.39E+01	6.38E+00	4.86E-04	3.95E-01	6.62E-01	6.25E-01	2.34E+01	2.35E+01	3.18E+01
1270	489735.89	3859126.54	3.26672	3.28635	4.34628	10.01419	2.041	6.087	3.1081	3.28635	2.28E+01	6.07E+00	4.52E-04	3.52E-01	6.40E-01	5.72E-01	2.20E+01	2.23E+01	3.01E+01
1271	489785.89	3859126.54	3.13671	3.12921	3.80964	9.11239	1.736	5.707	2.9568	3.12921	2.19E+01	5.78E+00	3.97E-04	3.21E-01	5.44E-01	5.36E-01	2.09E+01	2.13E+01	2.87E+01
1272	489835.89	3859126.54	3.04853	2.9498	3.7392	8.36049	1.732	5.385	2.7845	2.9498	2.13E+01	5.45E+00	3.89E-04	2.94E-01	5.43E-01	5.06E-01	1.97E+01	2.01E+01	2.77E+01
1273	489885.89	3859126.54	2.99279	2.81262	3.41541	7.72184	1.797	5.086	2.6429	2.81262	2.09E+01	5.19E+00	3.56E-04	2.72E-01	5.63E-01	4.78E-01	1.87E+01	1.91E+01	2.70E+01
1274	489935.89	3859126.54	2.92387	2.67472	3.29123	7.192	1.939	4.828	2.5277	2.67472	2.04E+01	4.94E+00	3.43E-04	2.53E-01	6.07E-01	4.54E-01	1.79E+01	1.82E+01	2.64E+01
1275	489985.89	3859126.54	2.84107	2.57135	3.79275	6.72972	1.822	4.567	2.3959	2.57135	1.98E+01	4.75E+00	3.95E-04	2.37E-01	5.71E-01	4.29E-01	1.70E+01	1.75E+01	2.53E+01
1276	490035.89	3859126.54	2.74397	2.38734	3.99011	6.24611	1.789	4.315	2.2388	2.38734	1.91E+01	4.41E+00	4.15E-04	2.20E-01	5.61E-01	4.06E-01	1.59E+01	1.62E+01	2.44E+01
1277	489585.89	3859176.54	3.58798	4.34789	4.4796	20.00222	1.928	11.96	4.2515	4.34789	2.50E+01	8.03E+00	4.66E-04	7.04E-01	6.04E-01	1.12E+00	3.01E+01	2.96E+01	3.60E+01
1278	489635.89	3859176.54	3.55706	4.08207	5.33382	18.07708	1.743	8.899	3.9456	4.08207	2.48E+01	7.54E+00	5.55E-04	6.36E-01	5.46E-01	8.37E-01	2.80E+01	2.78E+01	3.46E+01
1279	489685.89	3859176.54	3.4116	3.82256	5.90604	13.81096	1.875	7.746	3.6996	3.82256	2.38E+01	7.06E+00	6.15E-04	4.86E-01	5.87E-01	7.28E-01	2.62E+01	2.60E+01	3.29E+01
1280	489735.89	3859176.54	3.29382	3.61739	5.64724	11.93471	1.971	6.804	3.4531	3.61739	2.30E+01	6.68E+00	5.88E-04	4.20E-01	6.18E-01	6.40E-01	2.45E+01	2.46E+01	3.12E+01
1281	489785.89	3859176.54	3.22172	3.42592	5.08585	10.43468	1.906	6.272	3.2462	3.42592	2.25E+01	6.33E+00	5.29E-04	3.67E-01	5.97E-01	5.90E-01	2.30E+01	2.33E+01	3.00E+01
1282	489835.89	3859176.54	3.17983	3.25423	5.12106	9.39414	1.653	5.79	3.0864	3.25423	2.22E+01	6.01E+00	5.33E-04	3.31E-01	5.18E-01	5.44E-01	2.19E+01	2.21E+01	2.93E+01
1283	489885.89	3859176.54	3.09101	3.06278	4.60223	8.55134	1.632	5.415	2.9147	3.06278	2.15E+01	5.66E+00	4.79E-04	3.01E-01	5.11E-01	5.09E-01	2.07E+01	2.08E+01	2.84E+01
1284	489935.89	3859176.54	2.95397	2.92739	4.93421	7.90481	1.698	5.131	2.7466	2.92739	2.06E+01	5.41E+00	5.14E-04	2.78E-01	5.32E-01	4.82E-01	1.95E+01	1.99E+01	2.68E+01
1285	489985.89	3859176.54	2.83833	2.75823	5.28815	7.32645	1.829	4.798	2.6495	2.75823	1.98E+01	5.09E+00	5.51E-04	2.58E-01	5.73E-01	4.51E-01	1.88E+01	1.88E+01	2.62E+01
1286	490035.89	3859176.54	2.77983	2.64043	5.54213	6.83941	1.684	4.569	2.4751	2.64043	1.94E+01	4.88E+00	5.77E-04	2.41E-01	5.28E-01	4.30E-01	1.75E+01	1.80E+01	2.50E+01
1287	489685.89	3859226.54	3.44079	4.28195	8.06735	19.71146	1.679	9.849	4.2226	4.28195	2.40E+01	7.91E+00	8.40E-04	6.94E-01	5.26E-01	9.26E-01	2.99E+01	2.91E+01	3.48E+01
1288	489735.89	3859226.54	3.46496	4.01192	8.3113	15.14998	1.737	8.03	3.9416	4.01192	2.42E+01	7.41E+00	8.65E-04	5.33E-01	5.44E-01	7.55E-01	2.79E+01	2.73E+01	3.40E+01
1289	489785.89	3859226.54	3.38236	3.78298	7.16155	12.67836	1.846	7.169	3.6646	3.78298	2.36E+01	6.99E+00	7.46E-04	4.46E-01	5.78E-01	6.74E-01	2.60E+01	2.57E+01	3.25E+01
1290	489835.89	3859226.54	3.29138	3.56791	6.62966	10.90675	1.773	6.451	3.4166	3.56791	2.29E+01	6.59E+00	6.90E-04	3.84E-01	5.55E-01	6.06E-01	2.42E+01	2.43E+01	3.10E+01
1291	489885.89	3859226.54	3.11812	3.37735	6.61548	9.72792	1.578	5.908	3.2339	3.37735	2.17E+01	6.24E+00	6.89E-04	3.42E-01	4.94E-01	5.55E-01	2.29E+01	2.30E+01	2.93E+01
1292	489935.89	3859226.54	3.0249	3.17363	7.46593	8.79758	1.544	5.454	3.0517	3.17363	2.11E+01	5.86E+00	7.77E-04	3.10E-01	4.84E-01	5.13E-01	2.16E+01	2.16E+01	2.83E+01
1293	489985.89	3859226.54	2.93618	2.97297	7.89213	7.97325	1.618	5.005	2.8655	2.97297	2.05E+01	5.49E+00	8.22E-04	2.81E-01	5.07E-01	4.70E-01	2.03E+01	2.02E+01	2.73E+01
1294	490035.89	3859226.54	2.84159	2.84746	6.74194	7.44205	1.736	4.79	2.7585	2.84746	1.98E+01	5.26E+00	7.02E-04	2.62E-01	5.44E-01	4.50E-01	1.95E+01	1.94E+01	2.65E+01

1295	489735.89	3859276.54	3.44688	4.58936	13.35368	19.31157	1.623	12	4.5234	4.58936	2.40E+01	8.48E+00	1.39E-03	6.80E-01	5.09E-01	1.13E+00	3.20E+01	3.12E+01	3.57E+01
1296	489785.89	3859276.54	3.49879	4.22376	11.86873	17.53196	1.618	8.59	4.2005	4.22376	2.44E+01	7.80E+00	1.24E-03	6.17E-01	5.07E-01	8.07E-01	2.98E+01	2.87E+01	3.52E+01
1297	489835.89	3859276.54	3.38664	3.95526	10.11312	13.7478	1.733	7.375	3.9105	3.95526	2.36E+01	7.31E+00	1.05E-03	4.84E-01	5.43E-01	6.93E-01	2.77E+01	2.69E+01	3.34E+01
1298	489885.89	3859276.54	3.22864	3.72763	11.76079	11.51925	1.649	6.699	3.6591	3.72763	2.25E+01	6.88E+00	1.22E-03	4.05E-01	5.17E-01	6.30E-01	2.59E+01	2.53E+01	3.15E+01
1299	489935.89	3859276.54	3.10316	3.50603	11.90193	10.12367	1.507	6.057	3.4102	3.50603	2.16E+01	6.48E+00	1.24E-03	3.56E-01	4.72E-01	5.69E-01	2.42E+01	2.38E+01	2.98E+01
1300	489985.89	3859276.54	3.01409	3.15357	10.41958	8.95317	1.471	5.41	3.0733	3.15357	2.10E+01	5.82E+00	1.08E-03	3.15E-01	4.61E-01	5.09E-01	2.18E+01	2.14E+01	2.85E+01
1301	490035.89	3859276.54	2.91524	3.09233	12.48584	8.30336	1.538	5.175	2.9767	3.09233	2.03E+01	5.71E+00	1.30E-03	2.92E-01	4.82E-01	4.86E-01	2.11E+01	2.10E+01	2.74E+01
1302	490458.06	3859590.74	2.85803	4.33636	10.02756	13.32231	1.144	6.795	4.3337	4.33636	1.99E+01	8.01E+00	1.04E-03	4.69E-01	3.58E-01	6.39E-01	3.07E+01	2.95E+01	3.06E+01
1303	490508.06	3859590.74	2.77549	3.94426	9.21218	11.43017	0.977	6.134	3.9704	3.94426	1.93E+01	7.28E+00	9.59E-04	4.02E-01	3.06E-01	5.77E-01	2.81E+01	2.68E+01	2.92E+01
1304	490558.06	3859590.74	2.69637	3.62006	8.88974	10.02619	0.97	5.618	3.6551	3.62006	1.88E+01	6.69E+00	9.25E-04	3.53E-01	3.04E-01	5.28E-01	2.59E+01	2.46E+01	2.80E+01
1305	490608.06	3859590.74	2.61682	3.24261	8.73356	8.75181	1.041	4.968	3.2466	3.24261	1.82E+01	5.99E+00	9.09E-04	3.08E-01	3.26E-01	4.67E-01	2.30E+01	2.20E+01	2.63E+01
1306	490658.06	3859590.74	2.5421	2.92223	8.20861	7.59361	1.137	4.528	2.9582	2.92223	1.77E+01	5.40E+00	8.55E-04	2.67E-01	3.56E-01	4.26E-01	2.10E+01	1.99E+01	2.53E+01
1307	490708.06	3859590.74	2.47415	2.64185	7.4062	6.58775	1.11	4.121	2.6804	2.64185	1.72E+01	4.88E+00	7.71E-04	2.32E-01	3.48E-01	3.87E-01	1.90E+01	1.80E+01	2.41E+01
1308	490758.06	3859590.74	2.42284	2.40583	6.66072	5.82259	1.032	3.772	2.4174	2.40583	1.69E+01	4.44E+00	6.93E-04	2.05E-01	3.23E-01	3.55E-01	1.71E+01	1.64E+01	2.30E+01
1309	490808.06	3859590.74	2.3792	2.19602	6.29959	5.37132	1.046	3.502	2.2002	2.19602	1.66E+01	4.06E+00	6.56E-04	1.89E-01	3.28E-01	3.29E-01	1.56E+01	1.49E+01	2.21E+01
1310	490858.06	3859590.74	2.32458	2.03467	5.99556	4.86644	1.102	3.286	1.9985	2.03467	1.62E+01	3.76E+00	6.24E-04	1.71E-01	3.45E-01	3.09E-01	1.42E+01	1.38E+01	2.11E+01
1311	490458.06	3859640.74	2.93826	5.16947	10.06747	23.0545	1.159	9.307	5.1994	5.16947	2.05E+01	9.55E+00	1.05E-03	8.11E-01	3.63E-01	8.75E-01	3.68E+01	3.52E+01	3.38E+01
1312	490508.06	3859640.74	2.91515	4.81224	9.38941	16.85097	1.113	7.778	4.8061	4.81224	2.03E+01	8.89E+00	9.77E-04	5.93E-01	3.49E-01	7.31E-01	3.41E+01	3.27E+01	3.22E+01
1313	490558.06	3859640.74	2.84959	4.42726	8.43908	13.52545	0.952	6.877	4.4576	4.42726	1.99E+01	8.18E+00	8.79E-04	4.76E-01	2.98E-01	6.46E-01	3.16E+01	3.01E+01	3.09E+01
1314	490608.06	3859640.74	2.757	3.9087	7.70198	11.44182	0.946	6.145	3.9649	3.9087	1.92E+01	7.22E+00	8.02E-04	4.03E-01	2.96E-01	5.78E-01	2.81E+01	2.66E+01	2.92E+01
1315	490658.06	3859640.74	2.67073	3.38657	7.51054	9.63068	0.977	5.357	3.4219	3.38657	1.86E+01	6.25E+00	7.82E-04	3.39E-01	3.06E-01	5.04E-01	2.42E+01	2.30E+01	2.72E+01
1316	490708.06	3859640.74	2.57724	3.05882	6.96812	8.24467	1.072	4.768	3.0929	3.05882	1.80E+01	5.65E+00	7.25E-04	2.90E-01	3.36E-01	4.48E-01	2.19E+01	2.08E+01	2.58E+01
1317	490758.06	3859640.74	2.49332	2.74381	6.75589	7.11048	1.099	4.222	2.7685	2.74381	1.74E+01	5.07E+00	7.03E-04	2.50E-01	3.44E-01	3.97E-01	1.96E+01	1.87E+01	2.44E+01
1318	490808.06	3859640.74	2.40821	2.56107	6.46975	6.40349	1.003	3.929	2.5728	2.56107	1.68E+01	4.73E+00	6.74E-04	2.25E-01	3.14E-01	3.69E-01	1.82E+01	1.74E+01	2.32E+01
1319	490858.06	3859640.74	2.34839	2.37604	6.11648	5.82863	0.99	3.696	2.3791	2.37604	1.64E+01	4.39E+00	6.37E-04	2.05E-01	3.10E-01	3.47E-01	1.69E+01	1.62E+01	2.23E+01
1320	490608.06	3859690.74	2.90231	4.8862	8.12811	17.05071	0.931	7.739	4.9538	4.8862	2.02E+01	9.02E+00	8.46E-04	6.00E-01	2.92E-01	7.27E-01	3.51E+01	3.32E+01	3.28E+01
1321	490658.06	3859690.74	2.79076	4.12925	7.54646	13.41976	0.923	6.66	4.1858	4.12925	1.95E+01	7.63E+00	7.86E-04	4.72E-01	2.89E-01	6.26E-01	2.97E+01	2.81E+01	3.01E+01
1322	490708.06	3859690.74	2.68471	3.65789	6.94211	11.22972	0.942	5.745	3.6969	3.65789	1.87E+01	6.76E+00	7.23E-04	3.95E-01	2.95E-01	5.40E-01	2.62E+01	2.49E+01	2.80E+01
1323	490758.06	3859690.74	2.58805	3.27007	6.20244	9.38739	1.013	4.959	3.2856	3.27007	1.80E+01	6.04E+00	6.46E-04	3.30E-01	3.17E-01	4.66E-01	2.33E+01	2.22E+01	2.62E+01
1324	490808.06	3859690.74	2.50381	3.01888	5.73132	8.02605	1.087	4.483	2.989	3.01888	1.75E+01	5.58E+00	5.97E-04	2.82E-01	3.41E-01	4.21E-01	2.12E+01	2.05E+01	2.47E+01
1325	490858.06	3859690.74	2.42751	2.86934	5.49374	7.48604	0.989	4.319	2.8761	2.86934	1.69E+01	5.30E+00	5.72E-04	2.63E-01	3.10E-01	4.06E-01	2.04E+01	1.95E+01	2.41E+01
1326	490708.06	3859740.74	2.86578	4.60999	6.76675	17.29384	0.896	7.629	4.7306	4.60999	2.00E+01	8.51E+00	7.04E-04	6.09E-01	2.81E-01	7.17E-01	3.35E+01	3.13E+01	3.23E+01
1327	490758.06	3859740.74	2.75147	4.19493	6.72651	13.72236	0.918	6.687	4.2504	4.19493	1.92E+01	7.75E+00	7.00E-04	4.83E-01	2.87E-01	6.29E-01	3.01E+01	2.85E+01	2.99E+01
1328	490808.06	3859740.74	2.65355	3.79431	6.31548	11.43209	0.947	5.968	3.8524	3.79431	1.85E+01	7.01E+00	6.57E-04	4.02E-01	2.97E-01	5.61E-01	2.73E+01	2.58E+01	2.83E+01
1329	490858.06	3859740.74	2.55502	3.52259	6.01297	10.14469	1.023	5.413	3.5701	3.52259	1.78E+01	6.51E+00	6.26E-04	3.57E-01	3.21E-01	5.09E-01	2.53E+01	2.40E+01	2.68E+01
1330	490786.56	3859749.39	2.71893	4.1352	6.47489	13.25598	0.92	6.568	4.1914	4.1352	1.90E+01	7.64E+00	6.74E-04	4.67E-01	2.88E-01	6.17E-01	2.97E+01	2.81E+01	2.95E+01
1331	490836.56	3859749.39	2.62062	3.76882	6.10582	11.24854	0.971	5.872	3.8315	3.76882	1.83E+01	6.96E+00	6.36E-04	3.96E-01	3.04E-01	5.52E-01	2.71E+01	2.56E+01	2.80E+01
1332	490786.56	3859799.39	2.82712	5.65046	4.93677	23.33484	0.877	9.078	5.7376	5.65046	1.97E+01	1.04E+01	5.14E-04	8.21E-01	2.75E-01	8.53E-01	4.07E+01	3.84E+01	3.43E+01
1333	490836.56	3859799.39	2.76946	4.88302	5.18218	16.88821	0.897	7.684	5.0464	4.88302	1.93E+01	9.02E+00	5.39E-04	5.94E-01	2.81E-01	7.22E-01	3.58E+01	3.32E+01	3.25E+01
1334	492307.84	3854508.36	1.12039	0.2608	0.63625	0.54485	0.907	0.433	0.3402	0.2608	7.81E+00	4.82E-01	6.62E-05	1.92E-02	2.84E-01	4.07E-02	2.41E+00	1.77E+00	9.27E+00
1335	486445.7	3854753.6	2.18332	0.25722	1.45976	1.12393	0.553	0.755	0.7255	0.25722	1.52E+01	4.75E-01	1.52E-04	3.96E-02	1.73E-01	7.10E-02	5.14E+00	1.75E+00	1.94E+01
1336	472599.75	3877830.11	0.04126	0.06144	0.01736	0.03792	0.016	0.053	0.0594	0.06144	2.88E-01	1.13E-01	1.81E-06	1.33E-03	5.05E-03	5.02E-03	4.21E-01	4.18E-01	4.15E-01
1337	493107.48	3866840.19	0.23629	0.1282	0.0348	0.18474	0.03	0.191	0.1333	0.1282	1.65E+00	2.37E-01	3.62E-06	6.50E-03	9.46E-03	1.80E-02	9.44E-01	8.72E-01	1.99E+00
1338	495815.79	3861662.87	0.70453	2.36936	0.44495	0.76549	0.439	0.926	2.3842	2.36936	4.91E+00	4.38E+00	4.63E-05	2.69E-02	1.38E-01	8.71E-02	1.69E+01	1.61E+01	1.03E+01
1339	480272.33	3841389.2	0.07727	0.05688	0.02512	0.04341	0.098	0.046	0.054	0.05688	5.39E-01	1.05E-01	2.62E-06	1.53E-03	3.08E-02	4.30E-03	3.83E-01	3.87E-01	6.76E-01
1340	497005.18	3862813.64	0.43939	1.87167	0.19163	0.40038	0.251	0.494	1.8692	1.87167	3.06E+00	3.46E+00	1.99E-05	1.41E-02	7.88E-02	4.64E-02	1.32E+01	1.27E+01	7.18E+00
1341	493677.33	3860302.55	1.22391	1.00952	1.24549	2.03504	0.835	10.1	0.9959	1.00952	8.53E+00	1.86E+00	1.30E-04	7.16E-02	2.62E-01	9.49E-01	7.06E+00	6.86E+00	1.19E+01
1342	493727.33	3860302.55	1.21911	0.99067	1.23721	1.97484	0.865	10.05	0.9769	0.99067	8.50E+00	1.83E+00	1.29E-04	6.95E-02	2.71E-01	9.44E-01	6.92E+00	6.74E+00	1.18E+01
1343	493777.33	3860302.55	1.21507	0.97248	1.22769	1.92775	0.891	10.14	0.9571	0.97248	8.47E+00	1.80E+00	1.28E-04	6.78E-02	2.79E-01	9.53E-01	6.78E+00	6.61E+00	1.17E+01
1344	493827.33	3860302.55	1.21139	0.95911	1.21658	1.90004	0.902	10.13	0.9407	0.95911	8.45E+00	1.77E+00	1.27E-04	6.69E-02	2.83E-01	9.52E-01	6.67E+00	6.52E+00	1.17E+01
1345	493877.33	3860302.55	1.20523	0.94177	1.20151	1.86518	0.877	9.937	0.9254	0.94177	8.40E+00	1.74E+00	1.25E-04	6.56E-02	2.75E-01	9.34E-01	6.56E+00	6.40E+00	1.16E+01
1346	493927.33	3860302.55	1.19783	0.92873	1.18588	1.84655	0.863	9.672	0.9055	0.92873	8.35E+00	1.72E+00	1.23E-04	6.50E-02	2.70E-01	9.09E-01	6.42E+00	6.32E+00	1.14E+01
1347	493977.33	3860302.55	1.20188	0.90961	1.17408	1.82139	0.884	9.862	0.8891	0.90961	8.38E+00	1.68E+00	1.22E-04	6.41E-02	2.77E-01	9.27E-01	6.30E+00	6.19E+00	1.14E+01
1348	494027.33	3860302.55	1.20066	0.89319	1.13956	1.79254	0.911	9.957	0.8729	0.89319	8.37E+00	1.65E+00	1.19E-04	6.31E-02	2.85E-01	9.36E-01	6.18E+00	6.07E+00	1.14E+01
1349	493677.33	3860352.55	1.21782	1.05846	1.23776	2.06279	0.79	7.163	1.0343	1.05846	8.49E+00	1.95E+00	1.29E-04	7.26E-02	2.48E-01	6.73E-01	7.33E+00	7.20E+00	1.16E+01
1350	493727.33	3860352.55	1.20595	1.03292	1.22062	2.0104	0.794	7.038	1.0055	1.03292	8.41E+00	1.91E+00	1.27E-04	7.08E-02	2.49E-01	6.62E-01	7.12E+00	7.02E+00	1.14E+01
1351	493777.33	3860352.55	1.19671	1.00537	1.20446	1.96407	0.813	7.002	0.9872	1.00537	8.34E+00	1.86E+00	1.25E-04	6.91E-02	2.55E-01	6.58E-01	6.99E+00	6.84E+00	1.13E+01
1352	493827.33	3860352.55	1.18937	0.97831	1.18849	1.91547	0.841	7.014	0.9662	0.97831	8.29E+00	1.81E+00	1.24E-04	6.74E-02	2.63E-01	6.59E-01	6.85E+00	6.65E+00	1.13E+01
1353	493877.33	3860352.55	1.18443	0.95891	1.18186	1.87676	0.864	7.054	0.9459	0.95891	8.26E+00	1.77E+00	1.23E-04	6.61E-02	2.71E-01	6.63E-01	6.70E+00	6.52E+00	1.12E+01

1354	493927.33	3860352.55	1.18324	0.93871	1.1672	1.84881	0.88	7.211	0.9178	0.93871	8.25E+00	1.73E+00	1.22E-04	6.51E-02	2.76E-01	6.78E-01	6.50E+00	6.38E+00	1.11E+01
1355	493977.33	3860352.55	1.18506	0.93721	1.15659	1.82721	0.86	7.307	0.8972	0.93721	8.26E+00	1.73E+00	1.20E-04	6.43E-02	2.69E-01	6.87E-01	6.36E+00	6.37E+00	1.10E+01
1356	494027.33	3860352.55	1.18036	0.91803	1.14529	1.79943	0.846	7.227	0.8833	0.91803	8.23E+00	1.70E+00	1.19E-04	6.33E-02	2.65E-01	6.79E-01	6.26E+00	6.24E+00	1.09E+01
1357	493677.33	3860402.55	1.20582	1.06634	1.26823	2.06607	0.758	5.61	1.0704	1.06634	8.41E+00	1.97E+00	1.32E-04	7.27E-02	2.37E-01	5.27E-01	7.58E+00	7.25E+00	1.15E+01
1358	493727.33	3860402.55	1.19756	1.051	1.23332	2.02224	0.77	5.591	1.0504	1.051	8.35E+00	1.94E+00	1.28E-04	7.12E-02	2.41E-01	5.26E-01	7.44E+00	7.15E+00	1.14E+01
1359	493777.33	3860402.55	1.19414	1.03138	1.19805	2.00864	0.767	5.702	1.0156	1.03138	8.33E+00	1.90E+00	1.25E-04	7.07E-02	2.40E-01	5.36E-01	7.20E+00	7.01E+00	1.13E+01
1360	493827.33	3860402.55	1.1827	1.01517	1.17948	1.98317	0.774	5.628	0.9954	1.01517	8.25E+00	1.87E+00	1.23E-04	6.98E-02	2.43E-01	5.29E-01	7.05E+00	6.90E+00	1.11E+01
1361	493877.33	3860402.55	1.1743	0.9977	1.18043	1.94308	0.792	5.593	0.9768	0.9977	8.19E+00	1.84E+00	1.23E-04	6.84E-02	2.48E-01	5.26E-01	6.92E+00	6.78E+00	1.10E+01
1362	493927.33	3860402.55	1.17283	0.98204	1.16011	1.88793	0.818	5.632	0.9517	0.98204	8.18E+00	1.81E+00	1.21E-04	6.64E-02	2.56E-01	5.29E-01	6.74E+00	6.68E+00	1.09E+01
1363	493977.33	3860402.55	1.17412	0.96781	1.13983	1.83157	0.842	5.66	0.9227	0.96781	8.19E+00	1.79E+00	1.19E-04	6.45E-02	2.64E-01	5.32E-01	6.54E+00	6.58E+00	1.08E+01
1364	494027.33	3860402.55	1.16555	0.94206	1.12728	1.79197	0.857	5.673	0.9043	0.94206	8.13E+00	1.74E+00	1.17E-04	6.31E-02	2.68E-01	5.33E-01	6.41E+00	6.41E+00	1.07E+01
1365	493677.33	3860452.55	1.19889	1.06817	1.32318	1.82996	0.771	4.844	1.0919	1.06817	8.36E+00	1.97E+00	1.38E-04	6.44E-02	2.42E-01	4.55E-01	7.74E+00	7.26E+00	1.16E+01
1366	493727.33	3860452.55	1.18567	1.06007	1.29683	1.83884	0.74	4.796	1.0856	1.06007	8.27E+00	1.96E+00	1.35E-04	6.47E-02	2.32E-01	4.51E-01	7.69E+00	7.21E+00	1.15E+01
1367	493777.33	3860452.55	1.17873	1.04328	1.2624	1.84653	0.733	4.755	1.0699	1.04328	8.22E+00	1.93E+00	1.31E-04	6.50E-02	2.30E-01	4.47E-01	7.58E+00	7.09E+00	1.14E+01
1368	493827.33	3860452.55	1.17616	1.02393	1.23397	1.85311	0.75	4.737	1.047	1.02393	8.20E+00	1.89E+00	1.28E-04	6.52E-02	2.35E-01	4.45E-01	7.42E+00	6.96E+00	1.13E+01
1369	493877.33	3860452.55	1.17124	1.01532	1.20458	1.84933	0.743	4.695	1.0227	1.01532	8.17E+00	1.88E+00	1.25E-04	6.51E-02	2.33E-01	4.41E-01	7.25E+00	6.90E+00	1.11E+01
1370	493927.33	3860452.55	1.1722	0.99996	1.16985	1.86871	0.758	4.74	0.9866	0.99996	8.17E+00	1.85E+00	1.22E-04	6.58E-02	2.38E-01	4.46E-01	6.99E+00	6.80E+00	1.10E+01
1371	493977.33	3860452.55	1.16511	0.98562	1.14031	1.83328	0.775	4.863	0.9638	0.98562	8.12E+00	1.82E+00	1.19E-04	6.45E-02	2.43E-01	4.57E-01	6.83E+00	6.70E+00	1.08E+01
1372	494027.33	3860452.55	1.15789	0.97245	1.12301	1.79709	0.795	4.888	0.9422	0.97245	8.07E+00	1.80E+00	1.17E-04	6.33E-02	2.49E-01	4.59E-01	6.68E+00	6.61E+00	1.07E+01
1373	493677.33	3860502.55	1.19215	1.11881	1.22856	1.56818	0.764	4.268	1.1048	1.11881	8.31E+00	2.07E+00	1.28E-04	5.52E-02	2.39E-01	4.01E-01	7.83E+00	7.61E+00	1.13E+01
1374	493727.33	3860502.55	1.1811	1.11381	1.2446	1.5926	0.754	4.203	1.104	1.11381	8.23E+00	2.06E+00	1.30E-04	5.61E-02	2.36E-01	3.95E-01	7.82E+00	7.57E+00	1.12E+01
1375	493777.33	3860502.55	1.17314	1.09286	1.25656	1.62182	0.753	4.127	1.0882	1.09286	8.18E+00	2.02E+00	1.31E-04	5.71E-02	2.36E-01	3.88E-01	7.71E+00	7.43E+00	1.12E+01
1376	493827.33	3860502.55	1.16558	1.07041	1.24655	1.63549	0.724	4.052	1.0755	1.07041	8.13E+00	1.98E+00	1.30E-04	5.76E-02	2.27E-01	3.81E-01	7.62E+00	7.28E+00	1.11E+01
1377	493877.33	3860502.55	1.16151	1.03083	1.24914	1.63947	0.716	4.062	1.0507	1.03083	8.10E+00	1.90E+00	1.30E-04	5.77E-02	2.24E-01	3.82E-01	7.44E+00	7.01E+00	1.11E+01
1378	493927.33	3860502.55	1.15939	1.00008	1.23223	1.65185	0.731	4.184	1.0222	1.00008	8.08E+00	1.85E+00	1.28E-04	5.81E-02	2.29E-01	3.93E-01	7.24E+00	6.80E+00	1.11E+01
1379	493977.33	3860502.55	1.15072	0.99045	1.20786	1.66248	0.725	4.255	1.0099	0.99045	8.02E+00	1.83E+00	1.26E-04	5.85E-02	2.27E-01	4.00E-01	7.16E+00	6.73E+00	1.10E+01
1380	494027.33	3860502.55	1.14498	0.97868	1.17803	1.67619	0.739	4.178	0.989	0.97868	7.98E+00	1.81E+00	1.23E-04	5.90E-02	2.32E-01	3.93E-01	7.01E+00	6.65E+00	1.08E+01
1381	493627.33	3860552.55	1.18393	1.18997	1.17883	1.67963	0.767	3.797	1.1504	1.18997	8.25E+00	2.20E+00	1.23E-04	5.91E-02	2.40E-01	3.57E-01	8.15E+00	8.09E+00	1.12E+01
1382	493677.33	3860552.55	1.17422	1.1799	1.16328	1.63451	0.773	3.738	1.1561	1.1799	8.19E+00	2.18E+00	1.21E-04	5.75E-02	2.42E-01	3.51E-01	8.19E+00	8.02E+00	1.12E+01
1383	493727.33	3860552.55	1.1654	1.17048	1.1618	1.57009	0.76	3.709	1.1598	1.17048	8.12E+00	2.16E+00	1.21E-04	5.53E-02	2.38E-01	3.49E-01	8.22E+00	7.96E+00	1.12E+01
1384	493777.33	3860552.55	1.1597	1.14175	1.1584	1.52952	0.747	3.723	1.1379	1.14175	8.09E+00	2.11E+00	1.21E-04	5.38E-02	2.34E-01	3.50E-01	8.06E+00	7.76E+00	1.11E+01
1385	493827.33	3860552.55	1.15615	1.10935	1.1644	1.48941	0.736	3.731	1.1035	1.10935	8.06E+00	2.05E+00	1.21E-04	5.24E-02	2.31E-01	3.51E-01	7.82E+00	7.54E+00	1.10E+01
1386	493877.33	3860552.55	1.14822	1.09251	1.17718	1.45265	0.736	3.726	1.0947	1.09251	8.01E+00	2.02E+00	1.23E-04	5.11E-02	2.31E-01	3.50E-01	7.76E+00	7.43E+00	1.10E+01
1387	493927.33	3860552.55	1.14432	1.06866	1.1904	1.44517	0.71	3.778	1.0602	1.06866	7.98E+00	1.97E+00	1.24E-04	5.09E-02	2.22E-01	3.55E-01	7.51E+00	7.27E+00	1.08E+01
1388	493977.33	3860552.55	1.1414	1.03044	1.19821	1.45233	0.698	3.84	1.032	1.03044	7.96E+00	1.90E+00	1.25E-04	5.11E-02	2.19E-01	3.61E-01	7.31E+00	7.01E+00	1.08E+01
1389	494027.33	3860552.55	1.13304	1.0142	1.19288	1.46717	0.71	3.844	1.0157	1.0142	7.90E+00	1.87E+00	1.24E-04	5.16E-02	2.22E-01	3.61E-01	7.20E+00	6.90E+00	1.07E+01
1390	493627.33	3860602.55	1.16741	1.20588	1.12744	1.69895	0.698	3.459	1.204	1.20588	8.14E+00	2.23E+00	1.17E-04	5.98E-02	2.19E-01	3.25E-01	8.53E+00	8.20E+00	1.13E+01
1391	493727.33	3860602.55	1.12823	1.22005	1.11142	1.63913	0.746	3.412	1.2123	1.22005	7.87E+00	2.25E+00	1.16E-04	5.77E-02	2.34E-01	3.21E-01	8.59E+00	8.30E+00	1.10E+01
1392	493777.33	3860602.55	1.12512	1.1763	1.12233	1.59266	0.755	3.49	1.1682	1.1763	7.84E+00	2.17E+00	1.17E-04	5.61E-02	2.36E-01	3.28E-01	8.28E+00	8.00E+00	1.09E+01
1393	493827.33	3860602.55	1.11991	1.15949	1.1103	1.55085	0.746	3.45	1.153	1.15949	7.81E+00	2.14E+00	1.16E-04	5.46E-02	2.34E-01	3.24E-01	8.17E+00	7.88E+00	1.08E+01
1394	493877.33	3860602.55	1.11785	1.1193	1.10215	1.50975	0.734	3.261	1.1256	1.1193	7.79E+00	2.07E+00	1.15E-04	5.31E-02	2.30E-01	3.07E-01	7.97E+00	7.61E+00	1.08E+01
1395	493927.33	3860602.55	1.1138	1.0939	1.10238	1.45924	0.721	3.332	1.1037	1.0939	7.77E+00	2.02E+00	1.15E-04	5.14E-02	2.26E-01	3.13E-01	7.82E+00	7.44E+00	1.08E+01
1396	493977.33	3860602.55	1.1103	1.06954	1.10911	1.43382	0.723	3.53	1.0737	1.06954	7.74E+00	1.98E+00	1.15E-04	5.05E-02	2.26E-01	3.32E-01	7.61E+00	7.27E+00	1.07E+01
1397	494027.33	3860602.55	1.10275	1.05482	1.1166	1.40754	0.695	3.535	1.0747	1.05482	7.69E+00	1.95E+00	1.16E-04	4.95E-02	2.18E-01	3.32E-01	7.61E+00	7.17E+00	1.07E+01
1398	493627.33	3860652.55	1.15208	1.26579	1.07655	1.54935	0.63	3.319	1.2536	1.26579	8.03E+00	2.34E+00	1.12E-04	5.45E-02	1.97E-01	3.12E-01	8.88E+00	8.61E+00	1.12E+01
1399	493727.33	3860652.55	1.12688	1.28885	1.05776	1.48292	0.678	3.251	1.2934	1.28885	7.86E+00	2.38E+00	1.10E-04	5.22E-02	2.13E-01	3.06E-01	9.16E+00	8.76E+00	1.12E+01
1400	493777.33	3860652.55	1.11141	1.2528	1.06253	1.52731	0.711	3.177	1.2516	1.2528	7.75E+00	2.31E+00	1.11E-04	5.38E-02	2.23E-01	2.99E-01	8.87E+00	8.52E+00	1.10E+01
1401	493827.33	3860652.55	1.09753	1.22082	1.06946	1.54818	0.731	3.007	1.2066	1.22082	7.65E+00	2.25E+00	1.11E-04	5.45E-02	2.29E-01	2.83E-01	8.55E+00	8.30E+00	1.07E+01
1402	493877.33	3860652.55	1.09026	1.16971	1.06046	1.5542	0.739	3.124	1.1598	1.16971	7.60E+00	2.16E+00	1.10E-04	5.47E-02	2.32E-01	2.94E-01	8.22E+00	7.95E+00	1.06E+01
1403	493927.33	3860652.55	1.08579	1.13938	1.06257	1.51386	0.734	3.231	1.1367	1.13938	7.57E+00	2.10E+00	1.11E-04	5.33E-02	2.30E-01	3.04E-01	8.05E+00	7.75E+00	1.06E+01
1404	493977.33	3860652.55	1.08104	1.11445	1.06717	1.47475	0.721	3.289	1.1255	1.11445	7.54E+00	2.06E+00	1.11E-04	5.19E-02	2.26E-01	3.09E-01	7.97E+00	7.58E+00	1.06E+01
1405	494027.33	3860652.55	1.07875	1.07326	1.0519	1.46224	0.708	3.298	1.0976	1.07326	7.52E+00	1.98E+00	1.10E-04	5.15E-02	2.22E-01	3.10E-01	7.78E+00	7.30E+00	1.06E+01
1406	494311.06	3858401.99	0.85056	0.17248	0.5889	0.56422	1.836	0.499	0.1987	0.17248	5.93E+00	3.19E-01	6.13E-05	1.99E-02	5.75E-01	4.69E-02	1.41E+00	1.17E+00	7.13E+00
1407	494361.06	3858401.99	0.82351	0.17215	0.58252	0.55465	1.827	0.491	0.199	0.17215	5.74E+00	3.18E-01	6.06E-05	1.95E-02	5.73E-01	4.62E-02	1.41E+00	1.17E+00	6.94E+00
1408	494411.06	3858401.99	0.80896	0.17149	0.57208	0.54628	1.835	0.49	0.2007	0.17149	5.64E+00	3.17E-01	5.96E-05	1.92E-02	5.75E-01	4.61E-02	1.42E+00	1.17E+00	6.85E+00
1409	494461.06	3858401.99	0.80374	0.17084	0.5647	0.54174	1.855	0.515	0.2008	0.17084	5.60E+00	3.16E-01	5.88E-05	1.91E-02	5.81E-01	4.85E-02	1.42E+00	1.16E+00	6.83E+00
1410	494511.06	3858401.99	0.78606	0.16994	0.55458	0.53176	1.842	0.515	0.198	0.16994	5.48E+00	3.14E-01	5.77E-05	1.87E-02	5.77E-01	4.84E-02	1.40E+00	1.16E+00	6.69E+00
1411	494561.06	3858401.99	0.78189	0.16924	0.54294	0.5278	1.801	0.523	0.1946	0.16924	5.45E+00	3.13E-01	5.65E-05	1.86E-02	5.64E-01	4.91E-02	1.38E+00	1.15E+00	6.62E+00
1412	494611.06	3858401.99	0.76315	0.16915	0.5325	0.52392	1.759	0.525	0.1902	0.16915	5.32E+00	3.12E-01	5.54E-05	1.84E-02	5.51E-01	4.93E-02	1.35E+00	1.15E+00	6.45E+00

1413	494661.06	3858401.99	0.74744	0.16831	0.52705	0.52051	1.71	0.506	0.1878	0.16831	5.21E+00	3.11E-01	5.49E-05	1.83E-02	5.36E-01	4.76E-02	1.33E+00	1.14E+00	6.31E+00
1414	494711.06	3858401.99	0.7201	0.16704	0.51156	0.51381	1.648	0.493	0.183	0.16704	5.02E+00	3.09E-01	5.33E-05	1.81E-02	5.16E-01	4.64E-02	1.30E+00	1.14E+00	6.07E+00
1415	494761.06	3858401.99	0.71145	0.16565	0.50129	0.50996	1.63	0.504	0.1825	0.16565	4.96E+00	3.06E-01	5.22E-05	1.79E-02	5.11E-01	4.73E-02	1.29E+00	1.13E+00	6.01E+00
1416	494811.06	3858401.99	0.69681	0.16296	0.48491	0.50437	1.609	0.507	0.1805	0.16296	4.86E+00	3.01E-01	5.05E-05	1.78E-02	5.04E-01	4.77E-02	1.28E+00	1.11E+00	5.90E+00
1417	494861.06	3858401.99	0.68596	0.16013	0.4759	0.49914	1.592	0.505	0.178	0.16013	4.78E+00	2.96E-01	4.95E-05	1.76E-02	4.99E-01	4.75E-02	1.26E+00	1.09E+00	5.81E+00
1418	494911.06	3858401.99	0.67461	0.15516	0.47068	0.4931	1.566	0.519	0.1764	0.15516	4.70E+00	2.87E-01	4.90E-05	1.74E-02	4.91E-01	4.87E-02	1.25E+00	1.06E+00	5.74E+00
1419	494961.06	3858401.99	0.66449	0.15029	0.46717	0.48614	1.525	0.526	0.1765	0.15029	4.63E+00	2.78E-01	4.86E-05	1.71E-02	4.78E-01	4.95E-02	1.25E+00	1.02E+00	5.68E+00
1420	495011.06	3858401.99	0.65162	0.14869	0.4494	0.47852	1.469	0.501	0.1743	0.14869	4.54E+00	2.75E-01	4.68E-05	1.68E-02	4.60E-01	4.71E-02	1.23E+00	1.01E+00	5.57E+00
1421	495061.06	3858401.99	0.63997	0.14978	0.44075	0.47118	1.424	0.512	0.1749	0.14978	4.46E+00	2.77E-01	4.59E-05	1.66E-02	4.46E-01	4.81E-02	1.24E+00	1.02E+00	5.47E+00
1422	495111.06	3858401.99	0.61421	0.14876	0.43146	0.44776	1.359	0.508	0.1736	0.14876	4.28E+00	2.75E-01	4.49E-05	1.58E-02	4.26E-01	4.78E-02	1.23E+00	1.01E+00	5.26E+00
1423	495161.06	3858401.99	0.61071	0.15058	0.42797	0.44483	1.365	0.517	0.1764	0.15058	4.26E+00	2.78E-01	4.46E-05	1.57E-02	4.28E-01	4.86E-02	1.25E+00	1.02E+00	5.25E+00
1424	495211.06	3858401.99	0.59036	0.14569	0.42144	0.42863	1.33	0.529	0.1718	0.14569	4.12E+00	2.69E-01	4.39E-05	1.51E-02	4.17E-01	4.97E-02	1.22E+00	9.91E-01	5.09E+00
1425	495261.06	3858401.99	0.57926	0.14475	0.40946	0.41957	1.319	0.558	0.1692	0.14475	4.04E+00	2.67E-01	4.26E-05	1.48E-02	4.13E-01	5.24E-02	1.20E+00	9.84E-01	5.00E+00
1426	495311.06	3858401.99	0.56884	0.14318	0.40712	0.4119	1.299	0.567	0.1676	0.14318	3.97E+00	2.64E-01	4.24E-05	1.45E-02	4.07E-01	5.33E-02	1.19E+00	9.74E-01	4.92E+00
1427	495361.06	3858401.99	0.55985	0.14119	0.40486	0.40753	1.293	0.598	0.1661	0.14119	3.90E+00	2.61E-01	4.21E-05	1.43E-02	4.05E-01	5.62E-02	1.18E+00	9.60E-01	4.86E+00
1428	495411.06	3858401.99	0.55755	0.1417	0.40452	0.40433	1.291	0.606	0.1642	0.1417	3.89E+00	2.62E-01	4.21E-05	1.42E-02	4.04E-01	5.70E-02	1.16E+00	9.64E-01	4.82E+00
1429	495461.06	3858401.99	0.55599	0.14222	0.4035	0.40692	1.286	0.616	0.1632	0.14222	3.88E+00	2.63E-01	4.20E-05	1.43E-02	4.03E-01	5.79E-02	1.16E+00	9.67E-01	4.80E+00
1430	495511.06	3858401.99	0.55205	0.14274	0.40129	0.40302	1.28	0.621	0.1622	0.14274	3.85E+00	2.64E-01	4.18E-05	1.42E-02	4.01E-01	5.83E-02	1.15E+00	9.71E-01	4.76E+00
1431	495561.06	3858401.99	0.54236	0.14347	0.39418	0.39431	1.25	0.658	0.1616	0.14347	3.78E+00	2.65E-01	4.10E-05	1.39E-02	3.92E-01	6.18E-02	1.14E+00	9.76E-01	4.68E+00
1432	495611.06	3858401.99	0.54175	0.14275	0.39434	0.39291	1.247	0.746	0.1611	0.14275	3.78E+00	2.64E-01	4.11E-05	1.38E-02	3.91E-01	7.01E-02	1.14E+00	9.71E-01	4.69E+00
1433	495661.06	3858401.99	0.54575	0.14237	0.40276	0.39398	1.264	0.806	0.1617	0.14237	3.80E+00	2.63E-01	4.19E-05	1.39E-02	3.96E-01	7.58E-02	1.15E+00	9.68E-01	4.73E+00
1434	494311.06	3858451.99	0.90406	0.1837	0.59915	0.57467	1.88	0.532	0.2039	0.1837	6.30E+00	3.39E-01	6.24E-05	2.02E-02	5.89E-01	5.00E-02	1.44E+00	1.25E+00	7.50E+00
1435	494361.06	3858451.99	0.88868	0.18087	0.57004	0.56488	1.862	0.529	0.2016	0.18087	6.20E+00	3.34E-01	5.93E-05	1.99E-02	5.83E-01	4.97E-02	1.43E+00	1.23E+00	7.38E+00
1436	494411.06	3858451.99	0.87958	0.18151	0.55979	0.55469	1.829	0.534	0.2006	0.18151	6.13E+00	3.35E-01	5.83E-05	1.95E-02	5.73E-01	5.02E-02	1.42E+00	1.23E+00	7.30E+00
1437	494461.06	3858451.99	0.87005	0.17951	0.5566	0.54864	1.799	0.567	0.2014	0.17951	6.07E+00	3.32E-01	5.79E-05	1.93E-02	5.64E-01	5.33E-02	1.43E+00	1.22E+00	7.24E+00
1438	494511.06	3858451.99	0.86516	0.17852	0.55524	0.54681	1.789	0.57	0.2042	0.17852	6.03E+00	3.30E-01	5.78E-05	1.92E-02	5.61E-01	5.36E-02	1.45E+00	1.21E+00	7.23E+00
1439	494561.06	3858451.99	0.84366	0.17266	0.54974	0.53028	1.758	0.561	0.2032	0.17266	5.88E+00	3.19E-01	5.72E-05	1.87E-02	5.51E-01	5.27E-02	1.44E+00	1.17E+00	7.09E+00
1440	494611.06	3858451.99	0.82756	0.17115	0.53395	0.5219	1.757	0.557	0.2031	0.17115	5.77E+00	3.16E-01	5.56E-05	1.84E-02	5.50E-01	5.24E-02	1.44E+00	1.16E+00	6.98E+00
1441	494661.06	3858451.99	0.81037	0.17046	0.52037	0.51493	1.758	0.552	0.1974	0.17046	5.65E+00	3.15E-01	5.42E-05	1.81E-02	5.51E-01	5.19E-02	1.40E+00	1.16E+00	6.82E+00
1442	494711.06	3858451.99	0.79111	0.17037	0.51653	0.50972	1.76	0.546	0.1925	0.17037	5.52E+00	3.15E-01	5.38E-05	1.79E-02	5.51E-01	5.13E-02	1.36E+00	1.16E+00	6.66E+00
1443	494761.06	3858451.99	0.77457	0.17034	0.51616	0.50073	1.759	0.525	0.1892	0.17034	5.40E+00	3.15E-01	5.37E-05	1.76E-02	5.51E-01	4.93E-02	1.34E+00	1.16E+00	6.51E+00
1444	494811.06	3858451.99	0.75815	0.17027	0.5078	0.49388	1.723	0.55	0.1869	0.17027	5.29E+00	3.14E-01	5.29E-05	1.74E-02	5.40E-01	5.17E-02	1.32E+00	1.16E+00	6.38E+00
1445	494861.06	3858451.99	0.73626	0.16696	0.4955	0.48788	1.684	0.544	0.1851	0.16696	5.13E+00	3.08E-01	5.16E-05	1.72E-02	5.28E-01	5.11E-02	1.31E+00	1.14E+00	6.21E+00
1446	494911.06	3858451.99	0.71389	0.16367	0.47336	0.48194	1.614	0.552	0.1824	0.16367	4.98E+00	3.02E-01	4.93E-05	1.70E-02	5.06E-01	5.19E-02	1.29E+00	1.11E+00	6.03E+00
1447	494961.06	3858451.99	0.69496	0.15746	0.46861	0.47697	1.577	0.542	0.1776	0.15746	4.85E+00	2.91E-01	4.88E-05	1.68E-02	4.94E-01	5.10E-02	1.26E+00	1.07E+00	5.89E+00
1448	495011.06	3858451.99	0.67777	0.15299	0.45836	0.47092	1.526	0.522	0.175	0.15299	4.73E+00	2.83E-01	4.77E-05	1.66E-02	4.78E-01	4.90E-02	1.24E+00	1.04E+00	5.75E+00
1449	495061.06	3858451.99	0.6703	0.14993	0.45684	0.46739	1.52	0.536	0.1762	0.14993	4.67E+00	2.77E-01	4.76E-05	1.65E-02	4.76E-01	5.04E-02	1.25E+00	1.02E+00	5.72E+00
1450	495111.06	3858451.99	0.65654	0.14933	0.4512	0.46089	1.488	0.542	0.1751	0.14933	4.58E+00	2.76E-01	4.70E-05	1.62E-02	4.66E-01	5.09E-02	1.24E+00	1.02E+00	5.61E+00
1451	495161.06	3858451.99	0.64122	0.14994	0.44634	0.45293	1.438	0.552	0.1738	0.14994	4.47E+00	2.77E-01	4.65E-05	1.59E-02	4.51E-01	5.19E-02	1.23E+00	1.02E+00	5.48E+00
1452	495211.06	3858451.99	0.62184	0.14952	0.43962	0.43801	1.363	0.575	0.1734	0.14952	4.34E+00	2.76E-01	4.58E-05	1.54E-02	4.27E-01	5.40E-02	1.23E+00	1.02E+00	5.32E+00
1453	495261.06	3858451.99	0.61028	0.15065	0.43582	0.42744	1.32	0.616	0.1742	0.15065	4.25E+00	2.78E-01	4.54E-05	1.50E-02	4.14E-01	5.79E-02	1.23E+00	1.02E+00	5.23E+00
1454	495311.06	3858451.99	0.60146	0.15159	0.42867	0.42093	1.292	0.62	0.175	0.15159	4.19E+00	2.80E-01	4.46E-05	1.48E-02	4.05E-01	5.82E-02	1.24E+00	1.03E+00	5.16E+00
1455	495361.06	3858451.99	0.5947	0.14731	0.43007	0.41552	1.277	0.615	0.1735	0.14731	4.15E+00	2.72E-01	4.48E-05	1.46E-02	4.00E-01	5.78E-02	1.23E+00	1.00E+00	5.12E+00
1456	495411.06	3858451.99	0.59346	0.14726	0.42853	0.41269	1.284	0.64	0.1727	0.14726	4.14E+00	2.72E-01	4.46E-05	1.45E-02	4.02E-01	6.02E-02	1.22E+00	1.00E+00	5.11E+00
1457	495461.06	3858451.99	0.59136	0.14811	0.429	0.41112	1.296	0.656	0.1712	0.14811	4.12E+00	2.74E-01	4.47E-05	1.45E-02	4.06E-01	6.17E-02	1.21E+00	1.01E+00	5.08E+00
1458	495511.06	3858451.99	0.58302	0.14641	0.42912	0.40641	1.288	0.722	0.1675	0.14641	4.06E+00	2.70E-01	4.47E-05	1.43E-02	4.03E-01	6.79E-02	1.19E+00	9.96E-01	5.01E+00
1459	495561.06	3858451.99	0.5844	0.14798	0.43382	0.40812	1.299	0.773	0.1666	0.14798	4.07E+00	2.73E-01	4.52E-05	1.44E-02	4.07E-01	7.27E-02	1.18E+00	1.01E+00	5.02E+00
1460	495611.06	3858451.99	0.57456	0.14694	0.42909	0.4019	1.285	0.809	0.1645	0.14694	4.01E+00	2.71E-01	4.47E-05	1.41E-02	4.03E-01	7.61E-02	1.17E+00	9.99E-01	4.94E+00
1461	495661.06	3858451.99	0.57361	0.1477	0.42922	0.40137	1.277	0.888	0.1637	0.1477	4.00E+00	2.73E-01	4.47E-05	1.41E-02	4.00E-01	8.35E-02	1.16E+00	1.00E+00	4.93E+00
1462	494311.06	3858501.99	0.91566	0.19674	0.60112	0.5928	1.855	0.547	0.2173	0.19674	6.38E+00	3.63E-01	6.26E-05	2.09E-02	5.81E-01	5.14E-02	1.54E+00	1.34E+00	7.60E+00
1463	494361.06	3858501.99	0.90731	0.19426	0.58862	0.58115	1.853	0.552	0.2098	0.19426	6.33E+00	3.59E-01	6.13E-05	2.05E-02	5.80E-01	5.19E-02	1.49E+00	1.32E+00	7.50E+00
1464	494411.06	3858501.99	0.89882	0.18646	0.58163	0.56868	1.848	0.562	0.2065	0.18646	6.27E+00	3.44E-01	6.06E-05	2.00E-02	5.79E-01	5.28E-02	1.46E+00	1.27E+00	7.46E+00
1465	494461.06	3858501.99	0.89414	0.18355	0.57771	0.56201	1.846	0.597	0.2043	0.18355	6.23E+00	3.39E-01	6.01E-05	1.98E-02	5.78E-01	5.61E-02	1.45E+00	1.25E+00	7.43E+00
1466	494511.06	3858501.99	0.88016	0.18251	0.56716	0.55284	1.83	0.594	0.2004	0.18251	6.14E+00	3.37E-01	5.90E-05	1.95E-02	5.74E-01	5.58E-02	1.42E+00	1.24E+00	7.30E+00
1467	494561.06	3858501.99	0.8813	0.18481	0.56601	0.55316	1.824	0.602	0.2026	0.18481	6.14E+00	3.41E-01	5.89E-05	1.95E-02	5.71E-01	5.66E-02	1.44E+00	1.26E+00	7.31E+00
1468	494611.06	3858501.99	0.87182	0.18341	0.54578	0.54746	1.81	0.604	0.2041	0.18341	6.08E+00	3.39E-01	5.68E-05	1.93E-02	5.67E-01	5.68E-02	1.45E+00	1.25E+00	7.26E+00
1469	494661.06	3858501.99	0.86673	0.18339	0.53295	0.54099	1.796	0.607	0.2043	0.18339	6.04E+00	3.39E-01	5.55E-05	1.90E-02	5.63E-01	5.71E-02	1.45E+00	1.25E+00	7.22E+00
1470	494711.06	3858501.99	0.85683	0.17929	0.5241	0.53584	1.755	0.607	0.2038	0.17929	5.97E+00	3.31E-01	5.46E-05	1.89E-02	5.50E-01	5.70E-02	1.44E+00	1.22E+00	7.16E+00
1471	494761.06	3858501.99	0.83249	0.17192	0.51314	0.51435	1.706	0.587	0.1978	0.17192	5.80E+00	3.18E-01	5.34E-05	1.81E-02	5.34E-01	5.52E-02	1.40E+00	1.17E+00	6.96E+00

1472	494811.06	3858501.99	0.80522	0.17149	0.50928	0.50768	1.678	0.574	0.1931	0.17149	5.61E+00	3.17E-01	5.30E-05	1.79E-02	5.26E-01	5.39E-02	1.37E+00	1.17E+00	6.73E+00
1473	494861.06	3858501.99	0.79132	0.17141	0.5003	0.50094	1.672	0.592	0.1925	0.17141	5.52E+00	3.17E-01	5.21E-05	1.76E-02	5.24E-01	5.56E-02	1.36E+00	1.17E+00	6.63E+00
1474	494911.06	3858501.99	0.76029	0.17117	0.49178	0.48083	1.652	0.566	0.1873	0.17117	5.30E+00	3.16E-01	5.12E-05	1.69E-02	5.18E-01	5.32E-02	1.33E+00	1.16E+00	6.37E+00
1475	494961.06	3858501.99	0.74525	0.16563	0.47974	0.47342	1.644	0.567	0.1853	0.16563	5.20E+00	3.06E-01	4.99E-05	1.67E-02	5.15E-01	5.33E-02	1.31E+00	1.13E+00	6.27E+00
1476	495011.06	3858501.99	0.7146	0.16003	0.47881	0.46262	1.603	0.547	0.1807	0.16003	4.98E+00	2.96E-01	4.98E-05	1.63E-02	5.02E-01	5.14E-02	1.28E+00	1.09E+00	6.04E+00
1477	495061.06	3858501.99	0.70721	0.15707	0.4785	0.45887	1.583	0.571	0.1777	0.15707	4.93E+00	2.90E-01	4.98E-05	1.62E-02	4.96E-01	5.36E-02	1.26E+00	1.07E+00	5.98E+00
1478	495111.06	3858501.99	0.67753	0.15157	0.4709	0.45036	1.526	0.566	0.1742	0.15157	4.72E+00	2.80E-01	4.90E-05	1.59E-02	4.78E-01	5.32E-02	1.23E+00	1.03E+00	5.75E+00
1479	495161.06	3858501.99	0.66335	0.149	0.47119	0.44672	1.48	0.593	0.1732	0.149	4.62E+00	2.75E-01	4.91E-05	1.57E-02	4.64E-01	5.57E-02	1.23E+00	1.01E+00	5.65E+00
1480	495211.06	3858501.99	0.65016	0.14949	0.4718	0.44315	1.434	0.615	0.1729	0.14949	4.53E+00	2.76E-01	4.91E-05	1.56E-02	4.49E-01	5.78E-02	1.22E+00	1.02E+00	5.54E+00
1481	495261.06	3858501.99	0.64267	0.14989	0.46783	0.44085	1.41	0.629	0.1734	0.14989	4.48E+00	2.77E-01	4.87E-05	1.55E-02	4.42E-01	5.91E-02	1.23E+00	1.02E+00	5.48E+00
1482	495311.06	3858501.99	0.63883	0.15046	0.46642	0.4398	1.407	0.641	0.1751	0.15046	4.45E+00	2.78E-01	4.86E-05	1.55E-02	4.41E-01	6.03E-02	1.24E+00	1.02E+00	5.47E+00
1483	495361.06	3858501.99	0.63398	0.15198	0.46943	0.4388	1.404	0.679	0.1768	0.15198	4.42E+00	2.81E-01	4.89E-05	1.54E-02	4.40E-01	6.38E-02	1.25E+00	1.03E+00	5.44E+00
1484	495411.06	3858501.99	0.63129	0.15364	0.46337	0.43573	1.398	0.746	0.179	0.15364	4.40E+00	2.84E-01	4.82E-05	1.53E-02	4.38E-01	7.01E-02	1.27E+00	1.04E+00	5.43E+00
1485	495461.06	3858501.99	0.62768	0.15534	0.46033	0.433	1.375	0.766	0.1809	0.15534	4.38E+00	2.87E-01	4.79E-05	1.52E-02	4.31E-01	7.20E-02	1.28E+00	1.06E+00	5.41E+00
1486	495511.06	3858501.99	0.62156	0.15695	0.4585	0.42771	1.338	0.799	0.1811	0.15695	4.33E+00	2.90E-01	4.77E-05	1.51E-02	4.19E-01	7.51E-02	1.28E+00	1.07E+00	5.35E+00
1487	495561.06	3858501.99	0.62316	0.15872	0.45933	0.42567	1.35	0.888	0.1818	0.15872	4.34E+00	2.93E-01	4.78E-05	1.50E-02	4.23E-01	8.35E-02	1.29E+00	1.08E+00	5.37E+00
1488	495611.06	3858501.99	0.6151	0.15848	0.45134	0.41987	1.265	0.947	0.1792	0.15848	4.29E+00	2.93E-01	4.70E-05	1.48E-02	3.96E-01	8.90E-02	1.27E+00	1.08E+00	5.27E+00
1489	495661.06	3858501.99	0.61172	0.15817	0.45614	0.41787	1.321	0.961	0.1791	0.15817	4.26E+00	2.92E-01	4.75E-05	1.47E-02	4.14E-01	9.04E-02	1.27E+00	1.08E+00	5.27E+00
1490	494311.06	3858551.99	0.91495	0.19649	0.58143	0.60785	1.796	0.564	0.2254	0.19649	6.38E+00	3.63E-01	6.05E-05	2.14E-02	5.63E-01	5.30E-02	1.60E+00	1.34E+00	7.64E+00
1491	494361.06	3858551.99	0.91995	0.19817	0.56319	0.61152	1.812	0.572	0.2253	0.19817	6.41E+00	3.66E-01	5.86E-05	2.15E-02	5.68E-01	5.38E-02	1.60E+00	1.35E+00	7.67E+00
1492	494411.06	3858551.99	0.93294	0.19884	0.5773	0.62276	1.845	0.612	0.2248	0.19884	6.50E+00	3.67E-01	6.01E-05	2.19E-02	5.78E-01	5.76E-02	1.59E+00	1.35E+00	7.77E+00
1493	494461.06	3858551.99	0.93226	0.1974	0.55849	0.61807	1.836	0.643	0.2208	0.1974	6.50E+00	3.65E-01	5.81E-05	2.18E-02	5.75E-01	6.04E-02	1.56E+00	1.34E+00	7.74E+00
1494	494511.06	3858551.99	0.92332	0.19153	0.54807	0.61149	1.818	0.649	0.2151	0.19153	6.44E+00	3.54E-01	5.71E-05	2.15E-02	5.70E-01	6.10E-02	1.52E+00	1.30E+00	7.66E+00
1495	494561.06	3858551.99	0.91652	0.1878	0.5442	0.60716	1.802	0.646	0.2112	0.1878	6.39E+00	3.47E-01	5.67E-05	2.14E-02	5.65E-01	6.07E-02	1.50E+00	1.28E+00	7.60E+00
1496	494611.06	3858551.99	0.90401	0.18599	0.5351	0.599	1.798	0.629	0.2092	0.18599	6.30E+00	3.44E-01	5.57E-05	2.11E-02	5.63E-01	5.91E-02	1.48E+00	1.26E+00	7.51E+00
1497	494661.06	3858551.99	0.89375	0.18713	0.54359	0.59191	1.795	0.66	0.2072	0.18713	6.23E+00	3.46E-01	5.66E-05	2.08E-02	5.62E-01	6.20E-02	1.47E+00	1.27E+00	7.42E+00
1498	494711.06	3858551.99	0.87261	0.18766	0.54622	0.5801	1.783	0.659	0.2051	0.18766	6.08E+00	3.47E-01	5.69E-05	2.04E-02	5.59E-01	6.20E-02	1.45E+00	1.28E+00	7.25E+00
1499	494761.06	3858551.99	0.85963	0.18861	0.54428	0.57152	1.771	0.647	0.2037	0.18861	5.99E+00	3.48E-01	5.67E-05	2.01E-02	5.55E-01	6.08E-02	1.44E+00	1.28E+00	7.14E+00
1500	494811.06	3858551.99	0.85184	0.18262	0.54538	0.56432	1.75	0.636	0.2038	0.18262	5.94E+00	3.37E-01	5.68E-05	1.99E-02	5.48E-01	5.97E-02	1.44E+00	1.24E+00	7.11E+00
1501	494861.06	3858551.99	0.84199	0.17758	0.54562	0.54349	1.731	0.632	0.1987	0.17758	5.87E+00	3.28E-01	5.68E-05	1.91E-02	5.42E-01	5.94E-02	1.41E+00	1.21E+00	7.02E+00
1502	494911.06	3858551.99	0.81978	0.1724	0.54553	0.51548	1.676	0.64	0.1946	0.1724	5.72E+00	3.18E-01	5.68E-05	1.81E-02	5.25E-01	6.02E-02	1.38E+00	1.17E+00	6.84E+00
1503	494961.06	3858551.99	0.79688	0.17223	0.54545	0.50354	1.624	0.624	0.1936	0.17223	5.56E+00	3.18E-01	5.68E-05	1.77E-02	5.09E-01	5.87E-02	1.37E+00	1.17E+00	6.66E+00
1504	495011.06	3858551.99	0.77014	0.17043	0.53859	0.48949	1.594	0.597	0.1875	0.17043	5.37E+00	3.15E-01	5.61E-05	1.72E-02	4.99E-01	5.61E-02	1.33E+00	1.16E+00	6.43E+00
1505	495061.06	3858551.99	0.75169	0.16571	0.52713	0.47883	1.587	0.606	0.1851	0.16571	5.24E+00	3.06E-01	5.49E-05	1.69E-02	4.97E-01	5.70E-02	1.31E+00	1.13E+00	6.30E+00
1506	495111.06	3858551.99	0.71044	0.15833	0.51393	0.46319	1.565	0.596	0.1803	0.15833	4.95E+00	2.92E-01	5.35E-05	1.63E-02	4.90E-01	5.60E-02	1.28E+00	1.08E+00	6.01E+00
1507	495161.06	3858551.99	0.69032	0.15287	0.51175	0.45328	1.558	0.621	0.1752	0.15287	4.81E+00	2.82E-01	5.33E-05	1.60E-02	4.88E-01	5.84E-02	1.24E+00	1.04E+00	5.86E+00
1508	495211.06	3858551.99	0.67635	0.15089	0.50638	0.44387	1.516	0.65	0.1733	0.15089	4.72E+00	2.79E-01	5.27E-05	1.56E-02	4.75E-01	6.11E-02	1.23E+00	1.03E+00	5.75E+00
1509	495261.06	3858551.99	0.67043	0.14942	0.5017	0.43856	1.47	0.696	0.1732	0.14942	4.67E+00	2.76E-01	5.22E-05	1.54E-02	4.61E-01	6.54E-02	1.23E+00	1.02E+00	5.70E+00
1510	495311.06	3858551.99	0.66799	0.1506	0.49796	0.43704	1.464	0.753	0.1751	0.1506	4.66E+00	2.78E-01	5.18E-05	1.54E-02	4.59E-01	7.08E-02	1.24E+00	1.02E+00	5.70E+00
1511	495361.06	3858551.99	0.66342	0.15098	0.49459	0.43506	1.461	0.786	0.1769	0.15098	4.63E+00	2.79E-01	5.15E-05	1.53E-02	4.58E-01	7.38E-02	1.25E+00	1.03E+00	5.68E+00
1512	495411.06	3858551.99	0.66166	0.15171	0.4865	0.43497	1.454	0.819	0.1793	0.15171	4.61E+00	2.80E-01	5.06E-05	1.53E-02	4.56E-01	7.70E-02	1.27E+00	1.03E+00	5.68E+00
1513	495461.06	3858551.99	0.65748	0.15323	0.47988	0.43415	1.441	0.876	0.181	0.15323	4.58E+00	2.83E-01	5.00E-05	1.53E-02	4.52E-01	8.23E-02	1.28E+00	1.04E+00	5.66E+00
1514	495511.06	3858551.99	0.65771	0.15491	0.47536	0.43479	1.435	0.93	0.1835	0.15491	4.59E+00	2.86E-01	4.95E-05	1.53E-02	4.50E-01	8.74E-02	1.30E+00	1.05E+00	5.67E+00
1515	495561.06	3858551.99	0.65399	0.1565	0.46729	0.43554	1.428	0.964	0.1847	0.1565	4.56E+00	2.89E-01	4.86E-05	1.53E-02	4.48E-01	9.06E-02	1.31E+00	1.06E+00	5.65E+00
1516	495611.06	3858551.99	0.64945	0.15804	0.46433	0.43595	1.428	0.987	0.1844	0.15804	4.53E+00	2.92E-01	4.83E-05	1.53E-02	4.47E-01	9.27E-02	1.31E+00	1.07E+00	5.61E+00
1517	495661.06	3858551.99	0.64424	0.15839	0.46524	0.43608	1.42	1.002	0.1837	0.15839	4.49E+00	2.93E-01	4.84E-05	1.53E-02	4.45E-01	9.42E-02	1.30E+00	1.08E+00	5.56E+00
1518	494311.06	3858601.99	0.87778	0.18095	0.54858	0.60385	1.708	0.58	0.2159	0.18095	6.12E+00	3.34E-01	5.71E-05	2.13E-02	5.35E-01	5.45E-02	1.53E+00	1.23E+00	7.36E+00
1519	494361.06	3858601.99	0.93283	0.20026	0.56961	0.6306	1.761	0.614	0.2262	0.20026	6.50E+00	3.70E-01	5.93E-05	2.22E-02	5.52E-01	5.77E-02	1.60E+00	1.36E+00	7.75E+00
1520	494411.06	3858601.99	0.99063	0.2024	0.5994	0.6463	1.851	0.641	0.2364	0.2024	6.91E+00	3.74E-01	6.24E-05	2.27E-02	5.80E-01	6.02E-02	1.68E+00	1.38E+00	8.24E+00
1521	494461.06	3858601.99	0.98982	0.20358	0.60607	0.64388	1.855	0.679	0.2326	0.20358	6.90E+00	3.76E-01	6.31E-05	2.27E-02	5.81E-01	6.38E-02	1.65E+00	1.38E+00	8.21E+00
1522	494511.06	3858601.99	0.97458	0.20227	0.60619	0.62584	1.855	0.698	0.2288	0.20227	6.79E+00	3.74E-01	6.31E-05	2.20E-02	5.81E-01	6.56E-02	1.62E+00	1.38E+00	8.08E+00
1523	494561.06	3858601.99	0.97628	0.20276	0.61112	0.6277	1.849	0.69	0.2282	0.20276	6.81E+00	3.74E-01	6.36E-05	2.21E-02	5.79E-01	6.49E-02	1.62E+00	1.38E+00	8.09E+00
1524	494611.06	3858601.99	0.95632	0.19406	0.61024	0.61891	1.83	0.663	0.2223	0.19406	6.67E+00	3.58E-01	6.35E-05	2.18E-02	5.74E-01	6.23E-02	1.57E+00	1.32E+00	7.94E+00
1525	494661.06	3858601.99	0.9444	0.1901	0.61748	0.60976	1.808	0.694	0.2182	0.1901	6.58E+00	3.51E-01	6.43E-05	2.15E-02	5.67E-01	6.53E-02	1.55E+00	1.29E+00	7.84E+00
1526	494711.06	3858601.99	0.92464	0.18795	0.6216	0.59761	1.783	0.7	0.2138	0.18795	6.45E+00	3.47E-01	6.47E-05	2.10E-02	5.59E-01	6.58E-02	1.51E+00	1.28E+00	7.68E+00
1527	494761.06	3858601.99	0.90694	0.18858	0.61766	0.58508	1.757	0.698	0.2096	0.18858	6.32E+00	3.48E-01	6.43E-05	2.06E-02	5.51E-01	6.56E-02	1.49E+00	1.28E+00	7.51E+00
1528	494811.06	3858601.99	0.8723	0.18786	0.59881	0.55436	1.72	0.704	0.2039	0.18786	6.08E+00	3.47E-01	6.23E-05	1.95E-02	5.39E-01	6.61E-02	1.44E+00	1.28E+00	7.22E+00
1529	494861.06	3858601.99	0.85664	0.18869	0.58301	0.5489	1.711	0.713	0.2044	0.18869	5.97E+00	3.48E-01	6.07E-05	1.93E-02	5.36E-01	6.70E-02	1.45E+00	1.28E+00	7.11E+00
1530	494911.06	3858601.99	0.8372	0.18277	0.56545	0.5388	1.695	0.682	0.2027	0.18277	5.84E+00	3.38E-01	5.89E-05	1.90E-02	5.31E-01	6.41E-02	1.44E+00	1.24E+00	6.98E+00

1531	494961.06	3858601.99	0.82706	0.17661	0.55518	0.53033	1.685	0.679	0.1972	0.17661	5.77E+00	3.26E-01	5.78E-05	1.87E-02	5.28E-01	6.38E-02	1.40E+00	1.20E+00	6.90E+00
1532	495011.06	3858601.99	0.81521	0.17296	0.54543	0.51336	1.664	0.654	0.1953	0.17296	5.68E+00	3.19E-01	5.68E-05	1.81E-02	5.21E-01	6.15E-02	1.38E+00	1.18E+00	6.81E+00
1533	495061.06	3858601.99	0.79717	0.17273	0.53841	0.50394	1.611	0.637	0.1928	0.17273	5.56E+00	3.19E-01	5.61E-05	1.77E-02	5.05E-01	5.99E-02	1.37E+00	1.17E+00	6.65E+00
1534	495111.06	3858601.99	0.75562	0.16657	0.5353	0.4759	1.529	0.625	0.1877	0.16657	5.27E+00	3.08E-01	5.57E-05	1.67E-02	4.79E-01	5.88E-02	1.33E+00	1.13E+00	6.33E+00
1535	495161.06	3858601.99	0.73105	0.16338	0.5331	0.4697	1.488	0.697	0.1848	0.16338	5.10E+00	3.02E-01	5.55E-05	1.65E-02	4.66E-01	6.56E-02	1.31E+00	1.11E+00	6.15E+00
1536	495211.06	3858601.99	0.71983	0.15902	0.52542	0.46479	1.494	0.759	0.1818	0.15902	5.02E+00	2.94E-01	5.47E-05	1.64E-02	4.68E-01	7.14E-02	1.29E+00	1.08E+00	6.08E+00
1537	495261.06	3858601.99	0.70784	0.15541	0.51183	0.45948	1.505	0.768	0.1766	0.15541	4.93E+00	2.87E-01	5.33E-05	1.62E-02	4.72E-01	7.22E-02	1.25E+00	1.06E+00	5.98E+00
1538	495311.06	3858601.99	0.70092	0.15359	0.51207	0.45478	1.505	0.817	0.1755	0.15359	4.89E+00	2.84E-01	5.33E-05	1.60E-02	4.71E-01	7.68E-02	1.24E+00	1.04E+00	5.93E+00
1539	495361.06	3858601.99	0.69943	0.1538	0.51574	0.45434	1.508	0.871	0.1772	0.1538	4.88E+00	2.84E-01	5.37E-05	1.60E-02	4.73E-01	8.19E-02	1.26E+00	1.05E+00	5.94E+00
1540	495411.06	3858601.99	0.69793	0.15561	0.51914	0.45165	1.512	0.894	0.1791	0.15561	4.87E+00	2.87E-01	5.40E-05	1.59E-02	4.74E-01	8.40E-02	1.27E+00	1.06E+00	5.94E+00
1541	495461.06	3858601.99	0.69788	0.15828	0.52201	0.44998	1.514	0.933	0.1809	0.15828	4.87E+00	2.92E-01	5.43E-05	1.58E-02	4.75E-01	8.77E-02	1.28E+00	1.08E+00	5.94E+00
1542	495511.06	3858601.99	0.69035	0.15973	0.51946	0.44649	1.498	0.969	0.1816	0.15973	4.81E+00	2.95E-01	5.41E-05	1.57E-02	4.69E-01	9.11E-02	1.29E+00	1.09E+00	5.88E+00
1543	495561.06	3858601.99	0.6935	0.16349	0.51556	0.44665	1.477	1.02	0.1842	0.16349	4.83E+00	3.02E-01	5.37E-05	1.57E-02	4.63E-01	9.59E-02	1.30E+00	1.11E+00	5.90E+00
1544	495611.06	3858601.99	0.68342	0.16302	0.51284	0.44458	1.456	1.031	0.1849	0.16302	4.76E+00	3.01E-01	5.34E-05	1.56E-02	4.56E-01	9.69E-02	1.31E+00	1.11E+00	5.84E+00
1545	495661.06	3858601.99	0.68434	0.16344	0.51155	0.44396	1.456	1.061	0.1867	0.16344	4.77E+00	3.02E-01	5.33E-05	1.56E-02	4.56E-01	9.97E-02	1.32E+00	1.11E+00	5.86E+00
1546	494311.06	3858651.99	0.88086	0.18144	0.60839	0.59312	1.666	0.598	0.2168	0.18144	6.14E+00	3.35E-01	6.33E-05	2.09E-02	5.22E-01	5.62E-02	1.54E+00	1.23E+00	7.38E+00
1547	494361.06	3858651.99	0.94036	0.20237	0.63278	0.62263	1.726	0.625	0.2253	0.20237	6.56E+00	3.74E-01	6.59E-05	2.19E-02	5.41E-01	5.87E-02	1.60E+00	1.38E+00	7.77E+00
1548	494411.06	3858651.99	1.02088	0.2063	0.65402	0.66116	1.824	0.68	0.2443	0.2063	7.12E+00	3.81E-01	6.81E-05	2.33E-02	5.72E-01	6.39E-02	1.73E+00	1.40E+00	8.49E+00
1549	494461.06	3858651.99	1.02627	0.20664	0.66275	0.65867	1.857	0.709	0.2467	0.20664	7.15E+00	3.82E-01	6.90E-05	2.32E-02	5.82E-01	6.66E-02	1.75E+00	1.41E+00	8.55E+00
1550	494511.06	3858651.99	1.01828	0.20666	0.66665	0.64683	1.854	0.719	0.2437	0.20666	7.10E+00	3.82E-01	6.94E-05	2.28E-02	5.81E-01	6.76E-02	1.73E+00	1.41E+00	8.47E+00
1551	494561.06	3858651.99	1.01452	0.20787	0.65975	0.64255	1.842	0.723	0.2406	0.20787	7.07E+00	3.84E-01	6.87E-05	2.26E-02	5.77E-01	6.79E-02	1.70E+00	1.41E+00	8.42E+00
1552	494611.06	3858651.99	1.00719	0.20807	0.64547	0.63481	1.813	0.692	0.2365	0.20807	7.02E+00	3.84E-01	6.72E-05	2.23E-02	5.68E-01	6.50E-02	1.68E+00	1.41E+00	8.32E+00
1553	494661.06	3858651.99	0.99628	0.20604	0.64535	0.62508	1.797	0.698	0.2316	0.20604	6.95E+00	3.81E-01	6.72E-05	2.20E-02	5.63E-01	6.57E-02	1.64E+00	1.40E+00	8.22E+00
1554	494711.06	3858651.99	0.97146	0.19569	0.64423	0.61661	1.79	0.73	0.2261	0.19569	6.77E+00	3.61E-01	6.71E-05	2.17E-02	5.61E-01	6.86E-02	1.60E+00	1.33E+00	8.06E+00
1555	494761.06	3858651.99	0.95301	0.19123	0.64046	0.61059	1.786	0.733	0.2216	0.19123	6.64E+00	3.53E-01	6.67E-05	2.15E-02	5.60E-01	6.89E-02	1.57E+00	1.30E+00	7.92E+00
1556	494811.06	3858651.99	0.92543	0.18896	0.63172	0.60174	1.773	0.773	0.2146	0.18896	6.45E+00	3.49E-01	6.58E-05	2.12E-02	5.56E-01	7.26E-02	1.52E+00	1.28E+00	7.69E+00
1557	494861.06	3858651.99	0.9015	0.18927	0.62589	0.59254	1.746	0.778	0.2095	0.18927	6.28E+00	3.50E-01	6.52E-05	2.09E-02	5.47E-01	7.31E-02	1.48E+00	1.29E+00	7.47E+00
1558	494911.06	3858651.99	0.87336	0.18788	0.61016	0.5718	1.711	0.741	0.2037	0.18788	6.09E+00	3.47E-01	6.35E-05	2.01E-02	5.36E-01	6.96E-02	1.44E+00	1.28E+00	7.23E+00
1559	494961.06	3858651.99	0.85076	0.18805	0.59664	0.55444	1.673	0.716	0.2034	0.18805	5.93E+00	3.47E-01	6.21E-05	1.95E-02	5.24E-01	6.73E-02	1.44E+00	1.28E+00	7.05E+00
1560	495011.06	3858651.99	0.83489	0.18516	0.58631	0.54044	1.643	0.719	0.2026	0.18516	5.82E+00	3.42E-01	6.10E-05	1.90E-02	5.15E-01	6.76E-02	1.44E+00	1.26E+00	6.94E+00
1561	495061.06	3858651.99	0.8197	0.17654	0.57303	0.52531	1.608	0.699	0.1978	0.17654	5.71E+00	3.26E-01	5.97E-05	1.85E-02	5.04E-01	6.57E-02	1.40E+00	1.20E+00	6.83E+00
1562	495111.06	3858651.99	0.80136	0.17311	0.56891	0.50806	1.584	0.728	0.1964	0.17311	5.59E+00	3.20E-01	5.92E-05	1.79E-02	4.96E-01	6.84E-02	1.39E+00	1.18E+00	6.70E+00
1563	495161.06	3858651.99	0.78773	0.1726	0.55912	0.49941	1.575	0.77	0.19	0.1726	5.49E+00	3.19E-01	5.82E-05	1.76E-02	4.93E-01	7.24E-02	1.35E+00	1.17E+00	6.57E+00
1564	495211.06	3858651.99	0.77235	0.16691	0.55605	0.48224	1.537	0.796	0.1886	0.16691	5.38E+00	3.08E-01	5.79E-05	1.70E-02	4.81E-01	7.48E-02	1.34E+00	1.13E+00	6.47E+00
1565	495261.06	3858651.99	0.76737	0.16457	0.55208	0.47857	1.541	0.846	0.1866	0.16457	5.35E+00	3.04E-01	5.75E-05	1.68E-02	4.83E-01	7.95E-02	1.32E+00	1.12E+00	6.44E+00
1566	495311.06	3858651.99	0.75833	0.16096	0.5453	0.47213	1.508	0.877	0.1854	0.16096	5.29E+00	2.97E-01	5.68E-05	1.66E-02	4.73E-01	8.24E-02	1.31E+00	1.09E+00	6.37E+00
1567	495361.06	3858651.99	0.75308	0.15732	0.53813	0.46975	1.489	0.906	0.1833	0.15732	5.25E+00	2.91E-01	5.60E-05	1.65E-02	4.67E-01	8.51E-02	1.30E+00	1.07E+00	6.34E+00
1568	495411.06	3858651.99	0.74973	0.15547	0.53125	0.46961	1.476	0.949	0.1835	0.15547	5.23E+00	2.87E-01	5.53E-05	1.65E-02	4.63E-01	8.92E-02	1.30E+00	1.06E+00	6.32E+00
1569	495461.06	3858651.99	0.75059	0.15657	0.52222	0.47237	1.482	1.019	0.1847	0.15657	5.23E+00	2.89E-01	5.44E-05	1.66E-02	4.64E-01	9.58E-02	1.31E+00	1.06E+00	6.34E+00
1570	495511.06	3858651.99	0.73944	0.15784	0.51248	0.46529	1.468	1.057	0.1849	0.15784	5.16E+00	2.92E-01	5.34E-05	1.64E-02	4.60E-01	9.94E-02	1.31E+00	1.07E+00	6.26E+00
1571	495561.06	3858651.99	0.73307	0.15963	0.50115	0.45997	1.473	1.094	0.1853	0.15963	5.11E+00	2.95E-01	5.22E-05	1.62E-02	4.61E-01	1.03E-01	1.31E+00	1.09E+00	6.21E+00
1572	495611.06	3858651.99	0.71988	0.1609	0.49232	0.45228	1.474	1.104	0.1854	0.1609	5.02E+00	2.97E-01	5.13E-05	1.59E-02	4.62E-01	1.04E-01	1.31E+00	1.09E+00	6.12E+00
1573	495661.06	3858651.99	0.71712	0.16373	0.49273	0.45302	1.48	1.21	0.1872	0.16373	5.00E+00	3.02E-01	5.13E-05	1.59E-02	4.64E-01	1.14E-01	1.33E+00	1.11E+00	6.11E+00
1574	494311.06	3858701.99	0.90323	0.2006	0.66222	0.59894	1.727	0.646	0.2268	0.2006	6.30E+00	3.70E-01	6.89E-05	2.11E-02	5.41E-01	6.07E-02	1.61E+00	1.36E+00	7.53E+00
1575	494361.06	3858701.99	1.00737	0.20778	0.67699	0.64952	1.834	0.669	0.2405	0.20778	7.02E+00	3.84E-01	7.05E-05	2.29E-02	5.75E-01	6.29E-02	1.70E+00	1.41E+00	8.36E+00
1576	494411.06	3858701.99	1.06168	0.20912	0.69808	0.67555	1.878	0.697	0.2512	0.20912	7.40E+00	3.86E-01	7.27E-05	2.38E-02	5.88E-01	6.55E-02	1.78E+00	1.42E+00	8.82E+00
1577	494461.06	3858701.99	1.06337	0.20915	0.70167	0.66847	1.87	0.735	0.2522	0.20915	7.41E+00	3.86E-01	7.30E-05	2.35E-02	5.86E-01	6.91E-02	1.79E+00	1.42E+00	8.84E+00
1578	494511.06	3858701.99	1.05965	0.20929	0.71598	0.66464	1.858	0.76	0.2531	0.20929	7.39E+00	3.87E-01	7.45E-05	2.34E-02	5.82E-01	7.14E-02	1.79E+00	1.42E+00	8.82E+00
1579	494561.06	3858701.99	1.05222	0.20883	0.70749	0.65707	1.844	0.763	0.2527	0.20883	7.34E+00	3.86E-01	7.37E-05	2.31E-02	5.78E-01	7.17E-02	1.79E+00	1.42E+00	8.76E+00
1580	494611.06	3858701.99	1.02346	0.20797	0.693	0.64359	1.823	0.735	0.2464	0.20797	7.14E+00	3.84E-01	7.21E-05	2.27E-02	5.71E-01	6.91E-02	1.75E+00	1.41E+00	8.51E+00
1581	494661.06	3858701.99	1.02524	0.20935	0.6855	0.64601	1.804	0.752	0.2448	0.20935	7.15E+00	3.87E-01	7.14E-05	2.27E-02	5.65E-01	7.07E-02	1.73E+00	1.42E+00	8.50E+00
1582	494711.06	3858701.99	0.96201	0.20492	0.66561	0.61521	1.737	0.782	0.2295	0.20492	6.71E+00	3.78E-01	6.93E-05	2.17E-02	5.44E-01	7.35E-02	1.63E+00	1.39E+00	7.96E+00
1583	494761.06	3858701.99	0.98359	0.2053	0.66118	0.62471	1.76	0.775	0.2304	0.2053	6.86E+00	3.79E-01	6.88E-05	2.20E-02	5.51E-01	7.28E-02	1.63E+00	1.40E+00	8.12E+00
1584	494811.06	3858701.99	0.9523	0.19543	0.64951	0.60618	1.709	0.798	0.2254	0.19543	6.64E+00	3.61E-01	6.76E-05	2.13E-02	5.35E-01	7.50E-02	1.60E+00	1.33E+00	7.90E+00
1585	494861.06	3858701.99	0.93103	0.19097	0.64416	0.59159	1.665	0.827	0.2192	0.19097	6.49E+00	3.53E-01	6.71E-05	2.08E-02	5.22E-01	7.77E-02	1.55E+00	1.30E+00	7.72E+00
1586	494911.06	3858701.99	0.91502	0.18964	0.64152	0.57965	1.673	0.807	0.2148	0.18964	6.38E+00	3.50E-01	6.68E-05	2.04E-02	5.24E-01	7.58E-02	1.52E+00	1.29E+00	7.58E+00
1587	494961.06	3858701.99	0.87841	0.18595	0.63471	0.5573	1.642	0.771	0.2053	0.18595	6.12E+00	3.43E-01	6.61E-05	1.96E-02	5.14E-01	7.25E-02	1.45E+00	1.26E+00	7.26E+00
1588	495011.06	3858701.99	0.85816	0.1869	0.59536	0.54643	1.621	0.767	0.2028	0.1869	5.98E+00	3.45E-01	6.20E-05	1.92E-02	5.08E-01	7.21E-02	1.44E+00	1.27E+00	7.09E+00
1589	495061.06	3858701.99	0.84973	0.18744	0.58643	0.5411	1.633	0.778	0.2033	0.18744	5.92E+00	3.46E-01	6.11E-05	1.90E-02	5.12E-01	7.31E-02	1.44E+00	1.27E+00	7.04E+00

1590	495111.06	3858701.99	0.82623	0.17968	0.56534	0.53487	1.595	0.814	0.2018	0.17968	5.76E+00	3.32E-01	5.89E-05	1.88E-02	5.00E-01	7.65E-02	1.43E+00	1.22E+00	6.90E+00
1591	495161.06	3858701.99	0.81502	0.17632	0.55992	0.5213	1.578	0.856	0.1998	0.17632	5.68E+00	3.26E-01	5.83E-05	1.83E-02	4.95E-01	8.05E-02	1.42E+00	1.20E+00	6.82E+00
1592	495211.06	3858701.99	0.80199	0.17319	0.54966	0.51083	1.551	0.866	0.1984	0.17319	5.59E+00	3.20E-01	5.72E-05	1.80E-02	4.86E-01	8.14E-02	1.41E+00	1.18E+00	6.72E+00
1593	495261.06	3858701.99	0.7982	0.17259	0.54378	0.50817	1.547	0.891	0.1969	0.17259	5.56E+00	3.19E-01	5.66E-05	1.79E-02	4.85E-01	8.38E-02	1.40E+00	1.17E+00	6.69E+00
1594	495311.06	3858701.99	0.79483	0.17087	0.53971	0.50552	1.545	0.938	0.1941	0.17087	5.54E+00	3.16E-01	5.62E-05	1.78E-02	4.84E-01	8.82E-02	1.38E+00	1.16E+00	6.66E+00
1595	495361.06	3858701.99	0.78978	0.16911	0.53132	0.50218	1.542	0.989	0.1902	0.16911	5.51E+00	3.12E-01	5.53E-05	1.77E-02	4.83E-01	9.30E-02	1.35E+00	1.15E+00	6.61E+00
1596	495411.06	3858701.99	0.78852	0.16476	0.5285	0.5036	1.552	1.052	0.1891	0.16476	5.50E+00	3.04E-01	5.50E-05	1.77E-02	4.86E-01	9.89E-02	1.34E+00	1.12E+00	6.62E+00
1597	495461.06	3858701.99	0.78466	0.15949	0.53018	0.50217	1.556	1.1	0.1889	0.15949	5.47E+00	2.95E-01	5.52E-05	1.77E-02	4.88E-01	1.03E-01	1.34E+00	1.08E+00	6.63E+00
1598	495511.06	3858701.99	0.77925	0.15718	0.53098	0.49761	1.541	1.154	0.1883	0.15718	5.43E+00	2.90E-01	5.53E-05	1.75E-02	4.83E-01	1.08E-01	1.33E+00	1.07E+00	6.60E+00
1599	495561.06	3858701.99	0.77315	0.15891	0.53052	0.49301	1.525	1.187	0.1875	0.15891	5.39E+00	2.93E-01	5.52E-05	1.74E-02	4.78E-01	1.12E-01	1.33E+00	1.08E+00	6.54E+00
1600	495611.06	3858701.99	0.76667	0.1605	0.53002	0.48593	1.507	1.281	0.1861	0.1605	5.34E+00	2.96E-01	5.52E-05	1.71E-02	4.72E-01	1.20E-01	1.32E+00	1.09E+00	6.48E+00
1601	495661.06	3858701.99	0.76243	0.16154	0.528	0.48078	1.485	1.362	0.1875	0.16154	5.32E+00	2.98E-01	5.50E-05	1.69E-02	4.65E-01	1.28E-01	1.33E+00	1.10E+00	6.45E+00
1602	494311.06	3858751.99	0.96447	0.20813	0.70894	0.60097	1.645	0.667	0.2323	0.20813	6.72E+00	3.84E-01	7.38E-05	2.12E-02	5.15E-01	6.27E-02	1.65E+00	1.42E+00	7.94E+00
1603	494361.06	3858751.99	1.06654	0.2179	0.7168	0.67534	1.833	0.698	0.2538	0.2179	7.44E+00	4.02E-01	7.46E-05	2.38E-02	5.74E-01	6.56E-02	1.80E+00	1.48E+00	8.82E+00
1604	494411.06	3858751.99	1.10326	0.22011	0.72551	0.6994	1.881	0.744	0.2656	0.22011	7.69E+00	4.07E-01	7.55E-05	2.46E-02	5.90E-01	7.00E-02	1.88E+00	1.50E+00	9.17E+00
1605	494461.06	3858751.99	1.10599	0.21299	0.72147	0.70015	1.879	0.784	0.2659	0.21299	7.71E+00	3.93E-01	7.51E-05	2.46E-02	5.89E-01	7.37E-02	1.88E+00	1.45E+00	9.23E+00
1606	494511.06	3858751.99	1.104	0.21345	0.75902	0.70483	1.879	0.823	0.2654	0.21345	7.70E+00	3.94E-01	7.90E-05	2.48E-02	5.89E-01	7.73E-02	1.88E+00	1.45E+00	9.21E+00
1607	494561.06	3858751.99	1.09592	0.21248	0.75137	0.69236	1.862	0.82	0.2606	0.21248	7.64E+00	3.92E-01	7.82E-05	2.44E-02	5.83E-01	7.71E-02	1.85E+00	1.44E+00	9.12E+00
1608	494611.06	3858751.99	1.0732	0.21137	0.7551	0.67539	1.843	0.81	0.2546	0.21137	7.48E+00	3.90E-01	7.86E-05	2.38E-02	5.77E-01	7.62E-02	1.80E+00	1.44E+00	8.92E+00
1609	494661.06	3858751.99	1.06226	0.21062	0.7524	0.66464	1.823	0.82	0.2532	0.21062	7.41E+00	3.89E-01	7.83E-05	2.34E-02	5.71E-01	7.71E-02	1.79E+00	1.43E+00	8.83E+00
1610	494711.06	3858751.99	1.02753	0.20954	0.74128	0.64027	1.768	0.89	0.2457	0.20954	7.16E+00	3.87E-01	7.72E-05	2.25E-02	5.54E-01	8.37E-02	1.74E+00	1.42E+00	8.53E+00
1611	494761.06	3858751.99	1.01344	0.21037	0.73088	0.63456	1.752	0.888	0.2431	0.21037	7.07E+00	3.89E-01	7.61E-05	2.23E-02	5.49E-01	8.35E-02	1.72E+00	1.43E+00	8.40E+00
1612	494811.06	3858751.99	0.99055	0.21074	0.71503	0.61668	1.732	0.861	0.2345	0.21074	6.91E+00	3.89E-01	7.44E-05	2.17E-02	5.43E-01	8.09E-02	1.66E+00	1.43E+00	8.17E+00
1613	494861.06	3858751.99	0.96142	0.20138	0.6988	0.60441	1.68	0.851	0.2282	0.20138	6.70E+00	3.72E-01	7.27E-05	2.13E-02	5.26E-01	8.00E-02	1.62E+00	1.37E+00	7.95E+00
1614	494911.06	3858751.99	0.93396	0.19489	0.67892	0.58658	1.655	0.851	0.2228	0.19489	6.51E+00	3.60E-01	7.07E-05	2.06E-02	5.19E-01	8.00E-02	1.58E+00	1.33E+00	7.74E+00
1615	494961.06	3858751.99	0.91594	0.19073	0.66093	0.57164	1.638	0.832	0.219	0.19073	6.39E+00	3.52E-01	6.88E-05	2.01E-02	5.13E-01	7.82E-02	1.55E+00	1.30E+00	7.60E+00
1616	495011.06	3858751.99	0.90551	0.19018	0.65514	0.56495	1.607	0.841	0.2147	0.19018	6.31E+00	3.51E-01	6.82E-05	1.99E-02	5.03E-01	7.90E-02	1.52E+00	1.29E+00	7.49E+00
1617	495061.06	3858751.99	0.8864	0.18605	0.64898	0.55552	1.565	0.875	0.2077	0.18605	6.18E+00	3.44E-01	6.76E-05	1.96E-02	4.90E-01	8.22E-02	1.47E+00	1.27E+00	7.32E+00
1618	495111.06	3858751.99	0.86217	0.18685	0.60748	0.54676	1.533	0.893	0.2034	0.18685	6.01E+00	3.45E-01	6.32E-05	1.92E-02	4.80E-01	8.39E-02	1.44E+00	1.27E+00	7.11E+00
1619	495161.06	3858751.99	0.8485	0.187	0.601	0.54019	1.524	0.915	0.204	0.187	5.92E+00	3.45E-01	6.26E-05	1.90E-02	4.78E-01	8.61E-02	1.45E+00	1.27E+00	7.02E+00
1620	495211.06	3858751.99	0.83176	0.1861	0.59243	0.53137	1.515	0.941	0.2026	0.1861	5.80E+00	3.44E-01	6.17E-05	1.87E-02	4.75E-01	8.84E-02	1.44E+00	1.27E+00	6.89E+00
1621	495261.06	3858751.99	0.82748	0.18581	0.58763	0.53025	1.538	0.984	0.2023	0.18581	5.77E+00	3.43E-01	6.12E-05	1.87E-02	4.82E-01	9.25E-02	1.43E+00	1.26E+00	6.88E+00
1622	495311.06	3858751.99	0.82448	0.18548	0.58704	0.52912	1.551	1.024	0.2019	0.18548	5.75E+00	3.43E-01	6.11E-05	1.86E-02	4.86E-01	9.62E-02	1.43E+00	1.26E+00	6.86E+00
1623	495361.06	3858751.99	0.81875	0.18111	0.58598	0.52617	1.557	1.089	0.1993	0.18111	5.71E+00	3.34E-01	6.10E-05	1.85E-02	4.88E-01	1.02E-01	1.41E+00	1.23E+00	6.83E+00
1624	495411.06	3858751.99	0.81924	0.17564	0.58787	0.52434	1.568	1.127	0.1974	0.17564	5.71E+00	3.24E-01	6.12E-05	1.85E-02	4.91E-01	1.06E-01	1.40E+00	1.19E+00	6.86E+00
1625	495461.06	3858751.99	0.81466	0.17018	0.58738	0.52001	1.563	1.165	0.195	0.17018	5.68E+00	3.14E-01	6.11E-05	1.83E-02	4.90E-01	1.09E-01	1.38E+00	1.16E+00	6.84E+00
1626	495511.06	3858751.99	0.80723	0.16641	0.56373	0.51662	1.552	1.246	0.1911	0.16641	5.63E+00	3.07E-01	5.87E-05	1.82E-02	4.86E-01	1.17E-01	1.35E+00	1.13E+00	6.78E+00
1627	495561.06	3858751.99	0.79858	0.15949	0.55525	0.50843	1.542	1.338	0.1901	0.15949	5.57E+00	2.95E-01	5.78E-05	1.79E-02	4.83E-01	1.26E-01	1.35E+00	1.08E+00	6.75E+00
1628	495611.06	3858751.99	0.78932	0.15814	0.54918	0.50085	1.534	1.432	0.1888	0.15814	5.50E+00	2.92E-01	5.72E-05	1.76E-02	4.81E-01	1.35E-01	1.34E+00	1.08E+00	6.69E+00
1629	495661.06	3858751.99	0.7818	0.16055	0.54749	0.49781	1.523	1.52	0.1889	0.16055	5.45E+00	2.97E-01	5.70E-05	1.75E-02	4.77E-01	1.43E-01	1.34E+00	1.09E+00	6.63E+00
1630	494311.06	3858801.99	1.02018	0.21498	0.71032	0.64663	1.807	0.685	0.2465	0.21498	7.11E+00	3.97E-01	7.39E-05	2.28E-02	5.66E-01	6.44E-02	1.75E+00	1.46E+00	8.45E+00
1631	494361.06	3858801.99	1.10231	0.2199	0.73241	0.71272	1.875	0.723	0.2658	0.2199	7.68E+00	4.06E-01	7.62E-05	2.51E-02	5.87E-01	6.79E-02	1.88E+00	1.50E+00	9.16E+00
1632	494411.06	3858801.99	1.11781	0.22163	0.75214	0.73652	1.875	0.758	0.2723	0.22163	7.79E+00	4.09E-01	7.83E-05	2.59E-02	5.88E-01	7.12E-02	1.93E+00	1.51E+00	9.31E+00
1633	494461.06	3858801.99	1.12844	0.22257	0.76164	0.74343	1.881	0.81	0.2752	0.22257	7.87E+00	4.11E-01	7.93E-05	2.62E-02	5.89E-01	7.62E-02	1.95E+00	1.51E+00	9.41E+00
1634	494511.06	3858801.99	1.1321	0.22242	0.80727	0.74727	1.897	0.869	0.2752	0.22242	7.89E+00	4.11E-01	8.40E-05	2.63E-02	5.94E-01	8.17E-02	1.95E+00	1.51E+00	9.44E+00
1635	494561.06	3858801.99	1.12522	0.21807	0.80193	0.74499	1.904	0.888	0.2735	0.21807	7.84E+00	4.03E-01	8.35E-05	2.62E-02	5.96E-01	8.35E-02	1.94E+00	1.48E+00	9.41E+00
1636	494611.06	3858801.99	1.11531	0.21706	0.78412	0.72878	1.881	0.877	0.2707	0.21706	7.78E+00	4.01E-01	8.16E-05	2.57E-02	5.89E-01	8.25E-02	1.92E+00	1.48E+00	9.32E+00
1637	494661.06	3858801.99	1.10244	0.2154	0.76077	0.69905	1.84	0.889	0.265	0.2154	7.69E+00	3.98E-01	7.92E-05	2.46E-02	5.76E-01	8.35E-02	1.88E+00	1.46E+00	9.18E+00
1638	494711.06	3858801.99	1.08005	0.21388	0.74847	0.67194	1.805	0.978	0.2588	0.21388	7.53E+00	3.95E-01	7.79E-05	2.36E-02	5.66E-01	9.19E-02	1.83E+00	1.45E+00	8.99E+00
1639	494761.06	3858801.99	1.04889	0.21215	0.73724	0.64904	1.783	0.967	0.2518	0.21215	7.31E+00	3.92E-01	7.68E-05	2.28E-02	5.59E-01	9.09E-02	1.78E+00	1.44E+00	8.72E+00
1640	494811.06	3858801.99	1.01242	0.21064	0.71943	0.6323	1.75	0.959	0.2446	0.21064	7.06E+00	3.89E-01	7.49E-05	2.23E-02	5.48E-01	9.01E-02	1.73E+00	1.43E+00	8.41E+00
1641	494861.06	3858801.99	0.99815	0.21134	0.70771	0.62435	1.723	0.977	0.2371	0.21134	6.96E+00	3.90E-01	7.37E-05	2.20E-02	5.40E-01	9.18E-02	1.68E+00	1.44E+00	8.25E+00
1642	494911.06	3858801.99	0.97208	0.20974	0.69212	0.6085	1.671	0.929	0.2327	0.20974	6.78E+00	3.87E-01	7.21E-05	2.14E-02	5.24E-01	8.73E-02	1.65E+00	1.43E+00	8.02E+00
1643	494961.06	3858801.99	0.9523	0.20003	0.68297	0.59647	1.639	0.88	0.2266	0.20003	6.64E+00	3.69E-01	7.11E-05	2.10E-02	5.14E-01	8.27E-02	1.61E+00	1.36E+00	7.87E+00
1644	495011.06	3858801.99	0.93348	0.19497	0.67446	0.58353	1.609	0.911	0.2234	0.19497	6.51E+00	3.60E-01	7.02E-05	2.05E-02	5.04E-01	8.57E-02	1.58E+00	1.33E+00	7.74E+00
1645	495061.06	3858801.99	0.92172	0.19166	0.66616	0.57184	1.594	1.01	0.2215	0.19166	6.43E+00	3.54E-01	6.94E-05	2.01E-02	4.99E-01	9.49E-02	1.57E+00	1.30E+00	7.66E+00
1646	495111.06	3858801.99	0.89886	0.18514	0.6531	0.56147	1.581	0.984	0.2154	0.18514	6.27E+00	3.42E-01	6.80E-05	1.98E-02	4.95E-01	9.25E-02	1.53E+00	1.26E+00	7.48E+00
1647	495161.06	3858801.99	0.88115	0.18504	0.638	0.54905	1.559	0.99	0.2072	0.18504	6.14E+00	3.42E-01	6.64E-05	1.93E-02	4.89E-01	9.30E-02	1.47E+00	1.26E+00	7.30E+00
1648	495211.06	3858801.99	0.86977	0.18674	0.62654	0.54072	1.525	1.02	0.2053	0.18674	6.06E+00	3.45E-01	6.52E-05	1.90E-02	4.78E-01	9.59E-02	1.45E+00	1.27E+00	7.19E+00

1649	495261.06	3858801.99	0.86659	0.18731	0.61663	0.53862	1.502	1.09	0.2051	0.18731	6.04E+00	3.46E-01	6.42E-05	1.90E-02	4.71E-01	1.02E-01	1.45E+00	1.27E+00	7.16E+00
1650	495311.06	3858801.99	0.86556	0.18711	0.60803	0.53905	1.485	1.191	0.206	0.18711	6.03E+00	3.46E-01	6.33E-05	1.90E-02	4.65E-01	1.12E-01	1.46E+00	1.27E+00	7.16E+00
1651	495361.06	3858801.99	0.86041	0.18669	0.60021	0.53887	1.482	1.226	0.2066	0.18669	6.00E+00	3.45E-01	6.25E-05	1.90E-02	4.64E-01	1.15E-01	1.46E+00	1.27E+00	7.14E+00
1652	495411.06	3858801.99	0.86644	0.1862	0.60117	0.54106	1.503	1.297	0.2073	0.1862	6.04E+00	3.44E-01	6.26E-05	1.90E-02	4.71E-01	1.22E-01	1.47E+00	1.27E+00	7.20E+00
1653	495461.06	3858801.99	0.86093	0.18192	0.59191	0.5382	1.52	1.344	0.2044	0.18192	6.00E+00	3.36E-01	6.16E-05	1.89E-02	4.76E-01	1.26E-01	1.45E+00	1.24E+00	7.17E+00
1654	495511.06	3858801.99	0.85001	0.17617	0.579	0.53353	1.534	1.439	0.2005	0.17617	5.93E+00	3.25E-01	6.03E-05	1.88E-02	4.81E-01	1.35E-01	1.42E+00	1.20E+00	7.11E+00
1655	495561.06	3858801.99	0.84116	0.17059	0.56609	0.52909	1.543	1.469	0.1979	0.17059	5.86E+00	3.15E-01	5.89E-05	1.86E-02	4.83E-01	1.38E-01	1.40E+00	1.16E+00	7.06E+00
1656	495611.06	3858801.99	0.82625	0.16683	0.55554	0.52208	1.541	1.558	0.1948	0.16683	5.76E+00	3.08E-01	5.78E-05	1.84E-02	4.83E-01	1.46E-01	1.38E+00	1.13E+00	6.96E+00
1657	495661.06	3858801.99	0.82092	0.16363	0.54629	0.51842	1.544	1.693	0.1943	0.16363	5.72E+00	3.02E-01	5.69E-05	1.82E-02	4.84E-01	1.59E-01	1.38E+00	1.11E+00	6.95E+00
1658	494311.06	3858851.99	1.1155	0.22388	0.77091	0.70297	1.958	0.731	0.2788	0.22388	7.78E+00	4.13E-01	8.03E-05	2.47E-02	6.14E-01	6.87E-02	1.98E+00	1.52E+00	9.35E+00
1659	494361.06	3858851.99	1.17158	0.22699	0.79723	0.74104	1.953	0.792	0.2855	0.22699	8.17E+00	4.19E-01	8.30E-05	2.61E-02	6.12E-01	7.45E-02	2.02E+00	1.54E+00	9.78E+00
1660	494411.06	3858851.99	1.16602	0.22672	0.79912	0.74469	1.924	0.831	0.2818	0.22672	8.13E+00	4.19E-01	8.32E-05	2.62E-02	6.03E-01	7.81E-02	2.00E+00	1.54E+00	9.71E+00
1661	494461.06	3858851.99	1.1645	0.22584	0.80142	0.75793	1.907	0.878	0.2827	0.22584	8.12E+00	4.17E-01	8.34E-05	2.67E-02	5.98E-01	8.25E-02	2.00E+00	1.54E+00	9.71E+00
1662	494511.06	3858851.99	1.15662	0.22723	0.83941	0.75514	1.887	0.947	0.2834	0.22723	8.06E+00	4.20E-01	8.74E-05	2.66E-02	5.91E-01	8.90E-02	2.01E+00	1.55E+00	9.65E+00
1663	494561.06	3858851.99	1.14689	0.22719	0.82775	0.75478	1.866	0.982	0.281	0.22719	8.00E+00	4.20E-01	8.62E-05	2.66E-02	5.85E-01	9.23E-02	1.99E+00	1.54E+00	9.56E+00
1664	494611.06	3858851.99	1.13217	0.22338	0.8145	0.74854	1.839	0.973	0.2786	0.22338	7.89E+00	4.13E-01	8.48E-05	2.63E-02	5.76E-01	9.14E-02	1.97E+00	1.52E+00	9.45E+00
1665	494661.06	3858851.99	1.11387	0.21948	0.7981	0.73689	1.827	0.975	0.2748	0.21948	7.77E+00	4.05E-01	8.31E-05	2.59E-02	5.72E-01	9.16E-02	1.95E+00	1.49E+00	9.32E+00
1666	494711.06	3858851.99	1.09279	0.21788	0.77654	0.71892	1.806	1.023	0.2676	0.21788	7.62E+00	4.02E-01	8.08E-05	2.53E-02	5.66E-01	9.61E-02	1.90E+00	1.48E+00	9.12E+00
1667	494761.06	3858851.99	1.07208	0.21552	0.74708	0.69413	1.742	1.02	0.2612	0.21552	7.47E+00	3.98E-01	7.78E-05	2.44E-02	5.46E-01	9.59E-02	1.85E+00	1.47E+00	8.92E+00
1668	494811.06	3858851.99	1.053	0.21428	0.73525	0.66001	1.732	1.02	0.2538	0.21428	7.34E+00	3.96E-01	7.65E-05	2.32E-02	5.43E-01	9.59E-02	1.80E+00	1.46E+00	8.74E+00
1669	494861.06	3858851.99	1.03933	0.21353	0.72271	0.64868	1.712	1.062	0.2509	0.21353	7.25E+00	3.94E-01	7.52E-05	2.28E-02	5.36E-01	9.98E-02	1.78E+00	1.45E+00	8.63E+00
1670	494911.06	3858851.99	1.01499	0.21279	0.70469	0.63277	1.698	1.052	0.2451	0.21279	7.08E+00	3.93E-01	7.34E-05	2.23E-02	5.32E-01	9.89E-02	1.74E+00	1.45E+00	8.41E+00
1671	494961.06	3858851.99	0.99478	0.21292	0.69358	0.62147	1.697	1.028	0.2358	0.21292	6.94E+00	3.93E-01	7.22E-05	2.19E-02	5.32E-01	9.66E-02	1.67E+00	1.45E+00	8.20E+00
1672	495011.06	3858851.99	0.97841	0.21053	0.68474	0.61073	1.685	1.124	0.2337	0.21053	6.82E+00	3.89E-01	7.13E-05	2.15E-02	5.28E-01	1.06E-01	1.66E+00	1.43E+00	8.09E+00
1673	495061.06	3858851.99	0.95652	0.20044	0.669	0.59996	1.651	1.107	0.229	0.20044	6.67E+00	3.70E-01	6.96E-05	2.11E-02	5.17E-01	1.04E-01	1.62E+00	1.36E+00	7.94E+00
1674	495111.06	3858851.99	0.92269	0.19423	0.64312	0.57681	1.597	1.075	0.2226	0.19423	6.43E+00	3.59E-01	6.70E-05	2.03E-02	5.00E-01	1.01E-01	1.58E+00	1.32E+00	7.67E+00
1675	495161.06	3858851.99	0.90576	0.1915	0.63009	0.55711	1.551	1.11	0.22	0.1915	6.31E+00	3.54E-01	6.56E-05	1.96E-02	4.86E-01	1.04E-01	1.56E+00	1.30E+00	7.53E+00
1676	495211.06	3858851.99	0.90763	0.19048	0.62785	0.56081	1.542	1.262	0.2182	0.19048	6.33E+00	3.52E-01	6.54E-05	1.97E-02	4.83E-01	1.19E-01	1.55E+00	1.30E+00	7.55E+00
1677	495261.06	3858851.99	0.90445	0.18899	0.62081	0.55811	1.544	1.24	0.2158	0.18899	6.31E+00	3.49E-01	6.46E-05	1.96E-02	4.84E-01	1.17E-01	1.53E+00	1.29E+00	7.52E+00
1678	495311.06	3858851.99	0.90448	0.1893	0.61537	0.55676	1.549	1.334	0.2149	0.1893	6.31E+00	3.50E-01	6.41E-05	1.96E-02	4.85E-01	1.25E-01	1.52E+00	1.29E+00	7.52E+00
1679	495361.06	3858851.99	0.90224	0.19046	0.6086	0.55463	1.535	1.42	0.2144	0.19046	6.29E+00	3.52E-01	6.34E-05	1.95E-02	4.81E-01	1.33E-01	1.52E+00	1.30E+00	7.50E+00
1680	495411.06	3858851.99	0.89968	0.19226	0.6022	0.55449	1.52	1.533	0.2141	0.19226	6.27E+00	3.55E-01	6.27E-05	1.95E-02	4.76E-01	1.44E-01	1.52E+00	1.31E+00	7.48E+00
1681	495461.06	3858851.99	0.89694	0.19411	0.59968	0.55469	1.505	1.678	0.2142	0.19411	6.25E+00	3.59E-01	6.24E-05	1.95E-02	4.72E-01	1.58E-01	1.52E+00	1.32E+00	7.46E+00
1682	495511.06	3858851.99	0.89462	0.19271	0.58658	0.54802	1.482	1.69	0.2135	0.19271	6.24E+00	3.56E-01	6.11E-05	1.93E-02	4.64E-01	1.59E-01	1.51E+00	1.31E+00	7.44E+00
1683	495561.06	3858851.99	0.8747	0.18174	0.58225	0.53947	1.455	1.789	0.2099	0.18174	6.10E+00	3.36E-01	6.06E-05	1.90E-02	4.56E-01	1.68E-01	1.49E+00	1.24E+00	7.33E+00
1684	495611.06	3858851.99	0.86349	0.17633	0.58006	0.5318	1.44	1.899	0.2064	0.17633	6.02E+00	3.26E-01	6.04E-05	1.87E-02	4.51E-01	1.78E-01	1.46E+00	1.20E+00	7.26E+00
1685	495661.06	3858851.99	0.862	0.17135	0.57697	0.53211	1.463	2.06	0.2066	0.17135	6.01E+00	3.16E-01	6.01E-05	1.87E-02	4.59E-01	1.94E-01	1.46E+00	1.17E+00	7.30E+00
1686	494311.06	3858901.99	1.17116	0.23146	0.82427	0.75382	1.985	0.803	0.2961	0.23146	8.16E+00	4.27E-01	8.58E-05	2.65E-02	6.22E-01	7.55E-02	2.10E+00	1.57E+00	9.84E+00
1687	494361.06	3858901.99	1.19973	0.23673	0.83936	0.78459	1.987	0.844	0.2982	0.23673	8.36E+00	4.37E-01	8.74E-05	2.76E-02	6.23E-01	7.93E-02	2.11E+00	1.61E+00	1.00E+01
1688	494411.06	3858901.99	1.19649	0.23761	0.84004	0.78883	1.964	0.876	0.2941	0.23761	8.34E+00	4.39E-01	8.75E-05	2.78E-02	6.15E-01	8.24E-02	2.08E+00	1.62E+00	9.97E+00
1689	494461.06	3858901.99	1.1947	0.24006	0.87245	0.79619	1.967	0.928	0.2899	0.24006	8.33E+00	4.43E-01	9.08E-05	2.80E-02	6.16E-01	8.72E-02	2.05E+00	1.63E+00	9.93E+00
1690	494511.06	3858901.99	1.19003	0.24014	0.85778	0.78914	1.956	0.985	0.2886	0.24014	8.30E+00	4.44E-01	8.93E-05	2.78E-02	6.13E-01	9.26E-02	2.05E+00	1.63E+00	9.89E+00
1691	494561.06	3858901.99	1.17391	0.23689	0.83781	0.77096	1.932	1.038	0.2876	0.23689	8.18E+00	4.38E-01	8.72E-05	2.71E-02	6.05E-01	9.76E-02	2.04E+00	1.61E+00	9.78E+00
1692	494611.06	3858901.99	1.14805	0.23049	0.81479	0.74942	1.871	1.075	0.2829	0.23049	8.00E+00	4.26E-01	8.48E-05	2.64E-02	5.86E-01	1.01E-01	2.00E+00	1.57E+00	9.58E+00
1693	494661.06	3858901.99	1.13488	0.22858	0.80019	0.74206	1.844	1.104	0.2792	0.22858	7.91E+00	4.22E-01	8.33E-05	2.61E-02	5.78E-01	1.04E-01	1.98E+00	1.55E+00	9.47E+00
1694	494711.06	3858901.99	1.11434	0.2225	0.77403	0.71299	1.807	1.109	0.2753	0.2225	7.77E+00	4.11E-01	8.06E-05	2.51E-02	5.66E-01	1.04E-01	1.95E+00	1.51E+00	9.31E+00
1695	494761.06	3858901.99	1.08454	0.21989	0.74252	0.68141	1.757	1.112	0.2696	0.21989	7.56E+00	4.06E-01	7.73E-05	2.40E-02	5.51E-01	1.04E-01	1.91E+00	1.50E+00	9.06E+00
1696	494811.06	3858901.99	1.07136	0.21894	0.72953	0.67374	1.737	1.135	0.265	0.21894	7.47E+00	4.04E-01	7.59E-05	2.37E-02	5.44E-01	1.07E-01	1.88E+00	1.49E+00	8.94E+00
1697	494861.06	3858901.99	1.06263	0.21813	0.71719	0.66923	1.729	1.138	0.2606	0.21813	7.41E+00	4.03E-01	7.47E-05	2.36E-02	5.42E-01	1.07E-01	1.85E+00	1.48E+00	8.85E+00
1698	494911.06	3858901.99	1.03891	0.2157	0.69999	0.64234	1.666	1.118	0.2532	0.2157	7.24E+00	3.98E-01	7.29E-05	2.26E-02	5.22E-01	1.05E-01	1.79E+00	1.47E+00	8.62E+00
1699	494961.06	3858901.99	1.02616	0.21516	0.69165	0.63435	1.639	1.164	0.2489	0.21516	7.15E+00	3.97E-01	7.20E-05	2.23E-02	5.14E-01	1.09E-01	1.76E+00	1.46E+00	8.50E+00
1700	495011.06	3858901.99	1.01227	0.21501	0.68343	0.62861	1.61	1.271	0.2431	0.21501	7.06E+00	3.97E-01	7.11E-05	2.21E-02	5.04E-01	1.19E-01	1.72E+00	1.46E+00	8.36E+00
1701	495061.06	3858901.99	0.98717	0.21444	0.67466	0.61549	1.586	1.261	0.2337	0.21444	6.88E+00	3.96E-01	7.02E-05	2.17E-02	4.97E-01	1.19E-01	1.66E+00	1.46E+00	8.11E+00
1702	495111.06	3858901.99	0.94486	0.20634	0.65868	0.59448	1.564	1.307	0.2274	0.20634	6.59E+00	3.81E-01	6.86E-05	2.09E-02	4.90E-01	1.23E-01	1.61E+00	1.40E+00	7.81E+00
1703	495161.06	3858901.99	0.9352	0.19825	0.6549	0.58752	1.58	1.39	0.2251	0.19825	6.52E+00	3.66E-01	6.82E-05	2.07E-02	4.95E-01	1.31E-01	1.59E+00	1.35E+00	7.78E+00
1704	495211.06	3858901.99	0.94246	0.19529	0.65584	0.59127	1.61	1.471	0.2264	0.19529	6.57E+00	3.61E-01	6.83E-05	2.08E-02	5.05E-01	1.38E-01	1.60E+00	1.33E+00	7.87E+00
1705	495261.06	3858901.99	0.94077	0.19287	0.65059	0.58233	1.605	1.483	0.2247	0.19287	6.56E+00	3.56E-01	6.77E-05	2.05E-02	5.03E-01	1.39E-01	1.59E+00	1.31E+00	7.86E+00
1706	495311.06	3858901.99	0.93628	0.19113	0.64338	0.57548	1.581	1.587	0.2236	0.19113	6.53E+00	3.53E-01	6.70E-05	2.03E-02	4.95E-01	1.49E-01	1.58E+00	1.30E+00	7.83E+00
1707	495361.06	3858901.99	0.9339	0.18998	0.63836	0.57504	1.557	1.687	0.2228	0.18998	6.51E+00	3.51E-01	6.65E-05	2.02E-02	4.88E-01	1.59E-01	1.58E+00	1.29E+00	7.81E+00

1708	495411.06	3858901.99	0.93907	0.18997	0.63568	0.57773	1.541	1.799	0.2228	0.18997	6.55E+00	3.51E-01	6.62E-05	2.03E-02	4.83E-01	1.69E-01	1.58E+00	1.29E+00	7.86E+00
1709	495461.06	3858901.99	0.93175	0.19169	0.62891	0.57515	1.523	1.896	0.2208	0.19169	6.50E+00	3.54E-01	6.55E-05	2.02E-02	4.77E-01	1.78E-01	1.56E+00	1.30E+00	7.79E+00
1710	495511.06	3858901.99	0.91875	0.19387	0.61981	0.56302	1.521	2.064	0.2177	0.19387	6.41E+00	3.58E-01	6.45E-05	1.98E-02	4.77E-01	1.94E-01	1.54E+00	1.32E+00	7.68E+00
1711	495561.06	3858901.99	0.91021	0.19528	0.61179	0.55487	1.514	2.138	0.2153	0.19528	6.35E+00	3.61E-01	6.37E-05	1.95E-02	4.75E-01	2.01E-01	1.53E+00	1.33E+00	7.60E+00
1712	495611.06	3858901.99	0.89868	0.19304	0.60305	0.54901	1.487	2.248	0.2137	0.19304	6.27E+00	3.57E-01	6.28E-05	1.93E-02	4.66E-01	2.11E-01	1.51E+00	1.31E+00	7.52E+00
1713	495661.06	3858901.99	0.89746	0.18879	0.59877	0.54867	1.469	2.455	0.2137	0.18879	6.26E+00	3.49E-01	6.23E-05	1.93E-02	4.60E-01	2.31E-01	1.51E+00	1.28E+00	7.55E+00
1714	494311.06	3858951.99	1.23176	0.24544	0.87612	0.80349	1.992	0.847	0.3137	0.24544	8.59E+00	4.53E-01	9.12E-05	2.83E-02	6.24E-01	7.96E-02	2.22E+00	1.67E+00	1.03E+01
1715	494361.06	3858951.99	1.23376	0.24824	0.87557	0.83068	2.018	0.881	0.3125	0.24824	8.60E+00	4.58E-01	9.12E-05	2.92E-02	6.32E-01	8.28E-02	2.21E+00	1.69E+00	1.03E+01
1716	494411.06	3858951.99	1.21952	0.24678	0.87097	0.82592	1.999	0.926	0.3059	0.24678	8.50E+00	4.56E-01	9.07E-05	2.91E-02	6.26E-01	8.70E-02	2.17E+00	1.68E+00	1.02E+01
1717	494461.06	3858951.99	1.21772	0.24902	0.89602	0.83696	1.979	0.992	0.3012	0.24902	8.49E+00	4.60E-01	9.33E-05	2.95E-02	6.20E-01	9.33E-02	2.13E+00	1.69E+00	1.01E+01
1718	494511.06	3858951.99	1.20827	0.24791	0.89137	0.83504	1.962	1.018	0.2967	0.24791	8.42E+00	4.58E-01	9.28E-05	2.94E-02	6.15E-01	9.57E-02	2.10E+00	1.69E+00	1.00E+01
1719	494561.06	3858951.99	1.19197	0.24533	0.87868	0.82713	1.936	1.084	0.2921	0.24533	8.31E+00	4.53E-01	9.15E-05	2.91E-02	6.06E-01	1.02E-01	2.07E+00	1.67E+00	9.90E+00
1720	494611.06	3858951.99	1.16986	0.24157	0.85076	0.80725	1.899	1.102	0.2892	0.24157	8.16E+00	4.46E-01	8.86E-05	2.84E-02	5.95E-01	1.04E-01	2.05E+00	1.64E+00	9.74E+00
1721	494661.06	3858951.99	1.15234	0.23699	0.83118	0.78097	1.882	1.126	0.2868	0.23699	8.03E+00	4.38E-01	8.65E-05	2.75E-02	5.90E-01	1.06E-01	2.03E+00	1.61E+00	9.61E+00
1722	494711.06	3858951.99	1.1298	0.23184	0.80923	0.74234	1.856	1.151	0.2788	0.23184	7.88E+00	4.28E-01	8.42E-05	2.61E-02	5.82E-01	1.08E-01	1.98E+00	1.58E+00	9.42E+00
1723	494761.06	3858951.99	1.11076	0.22741	0.78588	0.71802	1.81	1.274	0.2733	0.22741	7.74E+00	4.20E-01	8.18E-05	2.53E-02	5.67E-01	1.20E-01	1.94E+00	1.55E+00	9.27E+00
1724	494811.06	3858951.99	1.09498	0.22263	0.77112	0.7016	1.78	1.382	0.2717	0.22263	7.63E+00	4.11E-01	8.03E-05	2.47E-02	5.58E-01	1.30E-01	1.92E+00	1.51E+00	9.17E+00
1725	494861.06	3858951.99	1.08564	0.22095	0.75297	0.69012	1.767	1.265	0.2698	0.22095	7.57E+00	4.08E-01	7.84E-05	2.43E-02	5.54E-01	1.19E-01	1.91E+00	1.50E+00	9.08E+00
1726	494911.06	3858951.99	1.07096	0.21991	0.72559	0.66881	1.729	1.267	0.2645	0.21991	7.47E+00	4.06E-01	7.55E-05	2.35E-02	5.42E-01	1.19E-01	1.87E+00	1.50E+00	8.94E+00
1727	494961.06	3858951.99	1.06178	0.21937	0.71726	0.6572	1.691	1.543	0.2612	0.21937	7.40E+00	4.05E-01	7.47E-05	2.31E-02	5.30E-01	1.45E-01	1.85E+00	1.49E+00	8.86E+00
1728	495011.06	3858951.99	1.03023	0.21647	0.69091	0.63228	1.648	1.436	0.2518	0.21647	7.18E+00	4.00E-01	7.19E-05	2.23E-02	5.17E-01	1.35E-01	1.78E+00	1.47E+00	8.57E+00
1729	495061.06	3858951.99	1.00106	0.21603	0.67034	0.60201	1.589	1.65	0.2403	0.21603	6.98E+00	3.99E-01	6.98E-05	2.12E-02	4.98E-01	1.55E-01	1.70E+00	1.47E+00	8.29E+00
1730	495111.06	3858951.99	0.97317	0.21197	0.65768	0.57581	1.538	1.627	0.2325	0.21197	6.78E+00	3.91E-01	6.85E-05	2.03E-02	4.82E-01	1.53E-01	1.65E+00	1.44E+00	8.04E+00
1731	495161.06	3858951.99	0.9878	0.21365	0.66246	0.59205	1.522	1.757	0.2349	0.21365	6.89E+00	3.95E-01	6.90E-05	2.08E-02	4.77E-01	1.65E-01	1.66E+00	1.45E+00	8.16E+00
1732	495211.06	3858951.99	0.98644	0.20869	0.66044	0.59698	1.51	1.811	0.2362	0.20869	6.88E+00	3.85E-01	6.88E-05	2.10E-02	4.73E-01	1.70E-01	1.67E+00	1.42E+00	8.18E+00
1733	495261.06	3858951.99	0.98491	0.2007	0.65898	0.60169	1.539	1.919	0.2375	0.2007	6.87E+00	3.71E-01	6.86E-05	2.12E-02	4.82E-01	1.80E-01	1.68E+00	1.36E+00	8.24E+00
1734	495311.06	3858951.99	0.97358	0.1941	0.65091	0.59179	1.539	1.957	0.2332	0.1941	6.79E+00	3.58E-01	6.78E-05	2.08E-02	4.82E-01	1.84E-01	1.65E+00	1.32E+00	8.17E+00
1735	495361.06	3858951.99	0.97425	0.19197	0.64701	0.5975	1.569	2.057	0.235	0.19197	6.79E+00	3.55E-01	6.74E-05	2.10E-02	4.92E-01	1.93E-01	1.66E+00	1.31E+00	8.21E+00
1736	495411.06	3858951.99	0.97678	0.19081	0.64587	0.60359	1.593	2.137	0.2356	0.19081	6.81E+00	3.52E-01	6.72E-05	2.12E-02	4.99E-01	2.01E-01	1.67E+00	1.30E+00	8.26E+00
1737	495461.06	3858951.99	0.97291	0.18981	0.64077	0.5974	1.597	2.35	0.2313	0.18981	6.78E+00	3.51E-01	6.67E-05	2.10E-02	5.01E-01	2.21E-01	1.64E+00	1.29E+00	8.22E+00
1738	495511.06	3858951.99	0.97119	0.18944	0.63867	0.60263	1.573	2.474	0.2283	0.18944	6.77E+00	3.50E-01	6.65E-05	2.12E-02	4.93E-01	2.33E-01	1.62E+00	1.29E+00	8.20E+00
1739	495561.06	3858951.99	0.95528	0.19034	0.62499	0.58679	1.531	2.495	0.2251	0.19034	6.66E+00	3.52E-01	6.51E-05	2.07E-02	4.80E-01	2.35E-01	1.59E+00	1.29E+00	8.05E+00
1740	495611.06	3858951.99	0.94285	0.19241	0.61796	0.57912	1.503	2.693	0.2229	0.19241	6.57E+00	3.55E-01	6.43E-05	2.04E-02	4.71E-01	2.53E-01	1.58E+00	1.31E+00	7.94E+00
1741	495661.06	3858951.99	0.94375	0.19489	0.61688	0.58293	1.495	2.874	0.2217	0.19489	6.58E+00	3.60E-01	6.42E-05	2.05E-02	4.68E-01	2.70E-01	1.57E+00	1.33E+00	7.94E+00
1742	494311.06	3859001.99	1.27881	0.25568	0.92328	0.9076	2.14	0.889	0.3261	0.25568	8.92E+00	4.72E-01	9.61E-05	3.19E-02	6.70E-01	8.36E-02	2.31E+00	1.74E+00	1.07E+01
1743	494361.06	3859001.99	1.26991	0.25643	0.91285	0.90585	2.049	0.899	0.3248	0.25643	8.85E+00	4.74E-01	9.50E-05	3.19E-02	6.42E-01	8.45E-02	2.30E+00	1.74E+00	1.06E+01
1744	494411.06	3859001.99	1.25778	0.25927	0.94164	0.90003	1.957	0.983	0.3201	0.25927	8.77E+00	4.79E-01	9.80E-05	3.17E-02	6.13E-01	9.24E-02	2.27E+00	1.76E+00	1.05E+01
1745	494461.06	3859001.99	1.24545	0.25841	0.93865	0.88865	1.946	1.021	0.3142	0.25841	8.68E+00	4.77E-01	9.77E-05	3.13E-02	6.10E-01	9.60E-02	2.23E+00	1.76E+00	1.04E+01
1746	494511.06	3859001.99	1.23279	0.25746	0.93324	0.87739	1.965	1.064	0.3083	0.25746	8.59E+00	4.76E-01	9.72E-05	3.09E-02	6.16E-01	1.00E-01	2.18E+00	1.75E+00	1.03E+01
1747	494561.06	3859001.99	1.21115	0.25341	0.91413	0.84895	1.961	1.107	0.3011	0.25341	8.44E+00	4.68E-01	9.52E-05	2.99E-02	6.15E-01	1.04E-01	2.13E+00	1.72E+00	1.01E+01
1748	494611.06	3859001.99	1.19428	0.24896	0.89734	0.82153	1.939	1.148	0.296	0.24896	8.33E+00	4.60E-01	9.34E-05	2.89E-02	6.07E-01	1.08E-01	2.10E+00	1.69E+00	9.93E+00
1749	494661.06	3859001.99	1.17463	0.24427	0.8762	0.78728	1.913	1.218	0.2907	0.24427	8.19E+00	4.51E-01	9.12E-05	2.77E-02	5.99E-01	1.14E-01	2.06E+00	1.66E+00	9.78E+00
1750	494711.06	3859001.99	1.15257	0.23724	0.85272	0.75838	1.884	1.284	0.2877	0.23724	8.04E+00	4.38E-01	8.88E-05	2.67E-02	5.90E-01	1.21E-01	2.04E+00	1.61E+00	9.64E+00
1751	494761.06	3859001.99	1.136	0.23505	0.835	0.74937	1.857	1.54	0.2857	0.23505	7.92E+00	4.34E-01	8.69E-05	2.64E-02	5.82E-01	1.45E-01	2.02E+00	1.60E+00	9.53E+00
1752	494811.06	3859001.99	1.12731	0.23401	0.81945	0.75002	1.832	1.695	0.2781	0.23401	7.86E+00	4.32E-01	8.53E-05	2.64E-02	5.74E-01	1.59E-01	1.97E+00	1.59E+00	9.43E+00
1753	494861.06	3859001.99	1.10978	0.22745	0.80405	0.73534	1.797	1.485	0.2746	0.22745	7.74E+00	4.20E-01	8.37E-05	2.59E-02	5.63E-01	1.40E-01	1.95E+00	1.55E+00	9.28E+00
1754	494911.06	3859001.99	1.09086	0.22161	0.78442	0.71286	1.77	1.764	0.2707	0.22161	7.61E+00	4.09E-01	8.17E-05	2.51E-02	5.54E-01	1.66E-01	1.92E+00	1.51E+00	9.17E+00
1755	494961.06	3859001.99	1.07768	0.21932	0.7651	0.68911	1.736	1.889	0.2675	0.21932	7.51E+00	4.05E-01	7.97E-05	2.43E-02	5.44E-01	1.78E-01	1.90E+00	1.49E+00	9.07E+00
1756	495011.06	3859001.99	1.02867	0.21648	0.71591	0.62814	1.676	1.928	0.253	0.21648	7.17E+00	4.00E-01	7.45E-05	2.21E-02	5.25E-01	1.81E-01	1.79E+00	1.47E+00	8.62E+00
1757	495061.06	3859001.99	1.02032	0.21604	0.7071	0.61902	1.653	2.054	0.2504	0.21604	7.11E+00	3.99E-01	7.36E-05	2.18E-02	5.18E-01	1.93E-01	1.77E+00	1.47E+00	8.55E+00
1758	495111.06	3859001.99	0.99925	0.21531	0.69204	0.59792	1.619	2.002	0.2412	0.21531	6.97E+00	3.98E-01	7.20E-05	2.10E-02	5.07E-01	1.88E-01	1.71E+00	1.46E+00	8.33E+00
1759	495161.06	3859001.99	1.01515	0.21575	0.6988	0.61796	1.614	2.383	0.2488	0.21575	7.08E+00	3.98E-01	7.27E-05	2.17E-02	5.06E-01	2.24E-01	1.76E+00	1.47E+00	8.52E+00
1760	495211.06	3859001.99	1.01062	0.21552	0.6953	0.61337	1.59	2.482	0.2471	0.21552	7.05E+00	3.98E-01	7.24E-05	2.16E-02	4.98E-01	2.33E-01	1.75E+00	1.47E+00	8.48E+00
1761	495261.06	3859001.99	1.01133	0.21522	0.68609	0.61453	1.567	2.521	0.249	0.21522	7.05E+00	3.97E-01	7.14E-05	2.16E-02	4.91E-01	2.37E-01	1.76E+00	1.46E+00	8.50E+00
1762	495311.06	3859001.99	1.00593	0.20979	0.6743	0.61214	1.555	2.671	0.2479	0.20979	7.01E+00	3.87E-01	7.02E-05	2.15E-02	4.87E-01	2.51E-01	1.76E+00	1.43E+00	8.49E+00
1763	495361.06	3859001.99	1.00686	0.20338	0.66669	0.61607	1.542	2.711	0.2477	0.20338	7.02E+00	3.76E-01	6.94E-05	2.17E-02	4.83E-01	2.55E-01	1.76E+00	1.38E+00	8.53E+00
1764	495411.06	3859001.99	1.00457	0.19578	0.6604	0.61845	1.508	2.826	0.2466	0.19578	7.00E+00	3.62E-01	6.88E-05	2.18E-02	4.73E-01	2.66E-01	1.75E+00	1.33E+00	8.54E+00
1765	495461.06	3859001.99	1.00371	0.19246	0.65289	0.62273	1.515	2.931	0.2423	0.19246	7.00E+00	3.55E-01	6.80E-05	2.19E-02	4.75E-01	2.76E-01	1.72E+00	1.31E+00	8.53E+00
1766	495511.06	3859001.99	0.98896	0.18958	0.63888	0.61303	1.526	3.012	0.239	0.18958	6.89E+00	3.50E-01	6.65E-05	2.16E-02	4.78E-01	2.83E-01	1.69E+00	1.29E+00	8.43E+00

1767	495561.06	3859001.99	0.98135	0.18875	0.63287	0.60917	1.531	3.161	0.2362	0.18875	6.84E+00	3.49E-01	6.59E-05	2.14E-02	4.80E-01	2.97E-01	1.67E+00	1.28E+00	8.38E+00
1768	495611.06	3859001.99	0.97215	0.18814	0.62793	0.59892	1.545	3.34	0.2301	0.18814	6.78E+00	3.47E-01	6.54E-05	2.11E-02	4.84E-01	3.14E-01	1.63E+00	1.28E+00	8.29E+00
1769	495661.06	3859001.99	0.97999	0.18979	0.62813	0.60712	1.569	3.627	0.2368	0.18979	6.83E+00	3.51E-01	6.54E-05	2.14E-02	4.92E-01	3.41E-01	1.68E+00	1.29E+00	8.42E+00
1770	494311.06	3859051.99	1.31225	0.2665	1.00472	0.98383	2.291	0.957	0.3331	0.2665	9.15E+00	4.92E-01	1.05E-04	3.46E-02	7.18E-01	8.99E-02	2.36E+00	1.81E+00	1.10E+01
1771	494361.06	3859051.99	1.30117	0.27225	1.01338	0.9867	2.29	0.981	0.3344	0.27225	9.07E+00	5.03E-01	1.05E-04	3.47E-02	7.18E-01	9.22E-02	2.37E+00	1.85E+00	1.09E+01
1772	494411.06	3859051.99	1.28629	0.2703	1.00596	0.97618	2.275	1.036	0.3326	0.2703	8.97E+00	4.99E-01	1.05E-04	3.44E-02	7.13E-01	9.74E-02	2.36E+00	1.84E+00	1.08E+01
1773	494461.06	3859051.99	1.2732	0.26673	0.99115	0.96351	2.195	1.074	0.3265	0.26673	8.88E+00	4.93E-01	1.03E-04	3.39E-02	6.88E-01	1.01E-01	2.31E+00	1.81E+00	1.07E+01
1774	494511.06	3859051.99	1.2581	0.2626	0.97263	0.93728	2.066	1.079	0.3201	0.2626	8.77E+00	4.85E-01	1.01E-04	3.30E-02	6.47E-01	1.01E-01	2.27E+00	1.79E+00	1.05E+01
1775	494561.06	3859051.99	1.24438	0.26127	0.95073	0.91433	1.946	1.102	0.314	0.26127	8.68E+00	4.83E-01	9.90E-05	3.22E-02	6.10E-01	1.04E-01	2.22E+00	1.78E+00	1.04E+01
1776	494611.06	3859051.99	1.22725	0.2577	0.9301	0.8834	1.876	1.309	0.3072	0.2577	8.56E+00	4.76E-01	9.68E-05	3.11E-02	5.88E-01	1.23E-01	2.18E+00	1.75E+00	1.02E+01
1777	494661.06	3859051.99	1.20677	0.25241	0.90744	0.84865	1.867	1.442	0.3	0.25241	8.41E+00	4.66E-01	9.45E-05	2.99E-02	5.85E-01	1.36E-01	2.13E+00	1.72E+00	1.00E+01
1778	494711.06	3859051.99	1.18492	0.24755	0.88377	0.81778	1.87	1.568	0.2947	0.24755	8.26E+00	4.57E-01	9.20E-05	2.88E-02	5.86E-01	1.47E-01	2.09E+00	1.68E+00	9.89E+00
1779	494761.06	3859051.99	1.16838	0.24197	0.85916	0.78897	1.87	1.796	0.2896	0.24197	8.15E+00	4.47E-01	8.94E-05	2.78E-02	5.86E-01	1.69E-01	2.05E+00	1.65E+00	9.78E+00
1780	494811.06	3859051.99	1.15491	0.2388	0.84278	0.77022	1.872	2.072	0.2881	0.2388	8.05E+00	4.41E-01	8.77E-05	2.71E-02	5.86E-01	1.95E-01	2.04E+00	1.62E+00	9.72E+00
1781	494861.06	3859051.99	1.14168	0.23602	0.82619	0.75236	1.85	1.962	0.2848	0.23602	7.96E+00	4.36E-01	8.60E-05	2.65E-02	5.80E-01	1.84E-01	2.02E+00	1.60E+00	9.60E+00
1782	494911.06	3859051.99	1.11879	0.23215	0.77548	0.72614	1.823	2.342	0.2744	0.23215	7.80E+00	4.29E-01	8.07E-05	2.56E-02	5.71E-01	2.20E-01	1.94E+00	1.58E+00	9.41E+00
1783	494961.06	3859051.99	1.08303	0.22393	0.72986	0.68	1.783	2.668	0.2676	0.22393	7.55E+00	4.14E-01	7.60E-05	2.39E-02	5.59E-01	2.51E-01	1.90E+00	1.52E+00	9.17E+00
1784	495011.06	3859051.99	1.06155	0.21669	0.71534	0.65837	1.742	2.96	0.2619	0.21669	7.40E+00	4.00E-01	7.45E-05	2.32E-02	5.46E-01	2.78E-01	1.86E+00	1.47E+00	9.03E+00
1785	495061.06	3859051.99	1.04858	0.21579	0.7016	0.64539	1.707	3.099	0.2586	0.21579	7.31E+00	3.99E-01	7.30E-05	2.27E-02	5.35E-01	2.91E-01	1.83E+00	1.47E+00	8.92E+00
1786	495111.06	3859051.99	1.0433	0.21571	0.69537	0.63805	1.676	3.256	0.2573	0.21571	7.27E+00	3.98E-01	7.24E-05	2.25E-02	5.25E-01	3.06E-01	1.82E+00	1.47E+00	8.88E+00
1787	495161.06	3859051.99	1.05298	0.21602	0.69169	0.65223	1.667	3.785	0.262	0.21602	7.34E+00	3.99E-01	7.20E-05	2.30E-02	5.22E-01	3.56E-01	1.86E+00	1.47E+00	9.03E+00
1788	495211.06	3859051.99	1.04526	0.21554	0.68087	0.64008	1.641	3.705	0.2583	0.21554	7.29E+00	3.98E-01	7.09E-05	2.25E-02	5.14E-01	3.48E-01	1.83E+00	1.47E+00	8.93E+00
1789	495261.06	3859051.99	1.05122	0.21559	0.67582	0.65135	1.631	3.994	0.2581	0.21559	7.33E+00	3.98E-01	7.04E-05	2.29E-02	5.11E-01	3.75E-01	1.83E+00	1.47E+00	9.00E+00
1790	495311.06	3859051.99	1.04565	0.21512	0.67267	0.64304	1.61	3.979	0.2535	0.21512	7.29E+00	3.97E-01	7.00E-05	2.26E-02	5.05E-01	3.74E-01	1.80E+00	1.46E+00	8.92E+00
1791	495361.06	3859051.99	1.04406	0.21482	0.66674	0.64142	1.592	4.194	0.2532	0.21482	7.28E+00	3.97E-01	6.94E-05	2.26E-02	4.99E-01	3.94E-01	1.79E+00	1.46E+00	8.92E+00
1792	495411.06	3859051.99	1.04397	0.21219	0.66025	0.64573	1.584	4.61	0.2531	0.21219	7.28E+00	3.92E-01	6.87E-05	2.27E-02	4.96E-01	4.33E-01	1.79E+00	1.44E+00	8.97E+00
1793	495461.06	3859051.99	1.04232	0.2059	0.65024	0.64253	1.579	4.782	0.251	0.2059	7.27E+00	3.80E-01	6.77E-05	2.26E-02	4.95E-01	4.50E-01	1.78E+00	1.40E+00	8.99E+00
1794	495511.06	3859051.99	1.03116	0.19905	0.63791	0.63339	1.549	4.555	0.2481	0.19905	7.19E+00	3.68E-01	6.64E-05	2.23E-02	4.85E-01	4.28E-01	1.76E+00	1.35E+00	8.90E+00
1795	495561.06	3859051.99	1.01844	0.19375	0.63578	0.6238	1.516	4.74	0.2434	0.19375	7.10E+00	3.58E-01	6.62E-05	2.20E-02	4.75E-01	4.46E-01	1.72E+00	1.32E+00	8.81E+00
1796	495611.06	3859051.99	1.00709	0.1916	0.62865	0.61958	1.48	4.774	0.2402	0.1916	7.02E+00	3.54E-01	6.54E-05	2.18E-02	4.64E-01	4.49E-01	1.70E+00	1.30E+00	8.71E+00
1797	495661.06	3859051.99	1.01355	0.19317	0.62924	0.6296	1.478	5.308	0.2413	0.19317	7.07E+00	3.57E-01	6.55E-05	2.22E-02	4.63E-01	4.99E-01	1.71E+00	1.31E+00	8.80E+00
1798	494311.06	3859101.99	1.34576	0.288	1.04029	1.01028	2.292	1.047	0.342	0.288	9.38E+00	5.32E-01	1.08E-04	3.56E-02	7.18E-01	9.84E-02	2.42E+00	1.96E+00	1.12E+01
1799	494361.06	3859101.99	1.33139	0.28562	1.02546	1.00175	2.257	1.071	0.3411	0.28562	9.28E+00	5.28E-01	1.07E-04	3.53E-02	7.07E-01	1.01E-01	2.42E+00	1.94E+00	1.11E+01
1800	494411.06	3859101.99	1.3195	0.28439	1.01331	0.99666	2.279	1.119	0.3407	0.28439	9.20E+00	5.25E-01	1.05E-04	3.51E-02	7.14E-01	1.05E-01	2.41E+00	1.93E+00	1.11E+01
1801	494461.06	3859101.99	1.30506	0.28024	0.98472	0.98645	2.237	1.205	0.3384	0.28024	9.10E+00	5.18E-01	1.03E-04	3.47E-02	7.01E-01	1.13E-01	2.40E+00	1.91E+00	1.10E+01
1802	494511.06	3859101.99	1.28682	0.27436	0.95081	0.96868	2.224	1.261	0.332	0.27436	8.97E+00	5.07E-01	9.90E-05	3.41E-02	6.97E-01	1.18E-01	2.35E+00	1.87E+00	1.08E+01
1803	494561.06	3859101.99	1.27035	0.27063	0.92331	0.95802	2.214	1.284	0.3257	0.27063	8.86E+00	5.00E-01	9.61E-05	3.37E-02	6.94E-01	1.21E-01	2.31E+00	1.84E+00	1.07E+01
1804	494611.06	3859101.99	1.25074	0.26387	0.88708	0.93534	2.11	1.417	0.3192	0.26387	8.72E+00	4.87E-01	9.24E-05	3.29E-02	6.61E-01	1.33E-01	2.26E+00	1.79E+00	1.05E+01
1805	494661.06	3859101.99	1.23576	0.2624	0.86398	0.91646	1.989	1.552	0.313	0.2624	8.62E+00	4.85E-01	8.99E-05	3.23E-02	6.23E-01	1.46E-01	2.22E+00	1.78E+00	1.03E+01
1806	494711.06	3859101.99	1.2119	0.25523	0.8337	0.87253	1.851	1.855	0.3056	0.25523	8.45E+00	4.71E-01	8.68E-05	3.07E-02	5.80E-01	1.74E-01	2.17E+00	1.74E+00	1.01E+01
1807	494761.06	3859101.99	1.20154	0.25445	0.82671	0.8634	1.822	2.613	0.2998	0.25445	8.38E+00	4.70E-01	8.61E-05	3.04E-02	5.71E-01	2.46E-01	2.12E+00	1.73E+00	1.01E+01
1808	494811.06	3859101.99	1.18307	0.24901	0.79845	0.8386	1.811	3.141	0.2942	0.24901	8.25E+00	4.60E-01	8.31E-05	2.95E-02	5.68E-01	2.95E-01	2.08E+00	1.69E+00	9.99E+00
1809	494861.06	3859101.99	1.16691	0.24248	0.77679	0.81731	1.802	3.092	0.29	0.24248	8.14E+00	4.48E-01	8.09E-05	2.88E-02	5.65E-01	2.91E-01	2.06E+00	1.65E+00	9.87E+00
1810	494911.06	3859101.99	1.14662	0.23762	0.75192	0.78458	1.791	3.678	0.2862	0.23762	7.99E+00	4.39E-01	7.83E-05	2.76E-02	5.61E-01	3.46E-01	2.03E+00	1.62E+00	9.78E+00
1811	494961.06	3859101.99	1.11255	0.23414	0.71735	0.72937	1.774	4.585	0.2761	0.23414	7.76E+00	4.32E-01	7.47E-05	2.57E-02	5.56E-01	4.31E-01	1.96E+00	1.59E+00	9.57E+00
1812	495011.06	3859101.99	1.07432	0.22638	0.69574	0.66598	1.751	4.441	0.2608	0.22638	7.49E+00	4.18E-01	7.24E-05	2.34E-02	5.49E-01	4.17E-01	1.85E+00	1.54E+00	9.21E+00
1813	495061.06	3859101.99	1.07334	0.22024	0.69211	0.67024	1.764	5.224	0.2644	0.22024	7.48E+00	4.07E-01	7.21E-05	2.36E-02	5.53E-01	4.91E-01	1.87E+00	1.50E+00	9.33E+00
1814	495111.06	3859101.99	1.06524	0.21539	0.67742	0.66493	1.755	5.723	0.2625	0.21539	7.43E+00	3.98E-01	7.05E-05	2.34E-02	5.50E-01	5.38E-01	1.86E+00	1.46E+00	9.33E+00
1815	495161.06	3859101.99	1.07135	0.21637	0.68217	0.67637	1.729	6.812	0.2683	0.21637	7.47E+00	4.00E-01	7.10E-05	2.38E-02	5.42E-01	6.40E-01	1.90E+00	1.47E+00	9.50E+00
1816	495211.06	3859101.99	1.06602	0.21559	0.67343	0.6693	1.695	7.186	0.2659	0.21559	7.43E+00	3.98E-01	7.01E-05	2.36E-02	5.31E-01	6.75E-01	1.88E+00	1.47E+00	9.48E+00
1817	495261.06	3859101.99	1.06573	0.21583	0.66903	0.6723	1.67	7.459	0.2673	0.21583	7.43E+00	3.99E-01	6.97E-05	2.37E-02	5.23E-01	7.01E-01	1.89E+00	1.47E+00	9.50E+00
1818	495311.06	3859101.99	1.06566	0.21542	0.66315	0.66915	1.647	7.662	0.2665	0.21542	7.43E+00	3.98E-01	6.90E-05	2.36E-02	5.16E-01	7.20E-01	1.89E+00	1.46E+00	9.51E+00
1819	495361.06	3859101.99	1.06346	0.21587	0.66634	0.67109	1.637	7.979	0.266	0.21587	7.41E+00	3.99E-01	6.94E-05	2.36E-02	5.13E-01	7.50E-01	1.88E+00	1.47E+00	9.52E+00
1820	495411.06	3859101.99	1.06251	0.21568	0.66602	0.67139	1.619	8.168	0.2594	0.21568	7.41E+00	3.98E-01	6.93E-05	2.36E-02	5.07E-01	7.68E-01	1.84E+00	1.47E+00	9.48E+00
1821	495461.06	3859101.99	1.06121	0.21448	0.65766	0.66608	1.605	8.023	0.257	0.21448	7.40E+00	3.96E-01	6.85E-05	2.34E-02	5.03E-01	7.54E-01	1.82E+00	1.46E+00	9.44E+00
1822	495511.06	3859101.99	1.05779	0.21126	0.65629	0.6637	1.586	7.825	0.2552	0.21126	7.37E+00	3.90E-01	6.83E-05	2.34E-02	4.97E-01	7.36E-01	1.81E+00	1.44E+00	9.39E+00
1823	495561.06	3859101.99	1.0475	0.20486	0.65657	0.65428	1.564	7.755	0.252	0.20486	7.30E+00	3.78E-01	6.84E-05	2.30E-02	4.90E-01	7.29E-01	1.79E+00	1.39E+00	9.32E+00
1824	495611.06	3859101.99	1.0396	0.20093	0.65084	0.64125	1.547	7.939	0.2484	0.20093	7.25E+00	3.71E-01	6.78E-05	2.26E-02	4.85E-01	7.46E-01	1.76E+00	1.37E+00	9.27E+00
1825	495661.06	3859101.99	1.0393	0.20303	0.65066	0.63958	1.543	8.415	0.247	0.20303	7.25E+00	3.75E-01	6.77E-05	2.25E-02	4.84E-01	7.91E-01	1.75E+00	1.38E+00	9.29E+00

1826	494311.06	3859151.99	1.35533	0.3089	1.00747	1.02673	2.325	1.143	0.3493	0.3089	9.45E+00	5.71E-01	1.05E-04	3.61E-02	7.28E-01	1.07E-01	2.47E+00	2.10E+00	1.13E+01
1827	494361.06	3859151.99	1.35015	0.30894	0.98978	1.02069	2.334	1.197	0.3494	0.30894	9.41E+00	5.71E-01	1.03E-04	3.59E-02	7.31E-01	1.13E-01	2.48E+00	2.10E+00	1.12E+01
1828	494411.06	3859151.99	1.33958	0.30337	0.96724	1.00364	2.318	1.244	0.3466	0.30337	9.34E+00	5.60E-01	1.01E-04	3.53E-02	7.26E-01	1.17E-01	2.46E+00	2.06E+00	1.12E+01
1829	494461.06	3859151.99	1.32392	0.29627	0.9508	0.99303	2.24	1.332	0.3436	0.29627	9.23E+00	5.47E-01	9.90E-05	3.50E-02	7.02E-01	1.25E-01	2.43E+00	2.01E+00	1.11E+01
1830	494511.06	3859151.99	1.30684	0.28538	0.92429	0.9732	2.168	1.356	0.3401	0.28538	9.11E+00	5.27E-01	9.62E-05	3.43E-02	6.79E-01	1.27E-01	2.41E+00	1.94E+00	1.09E+01
1831	494561.06	3859151.99	1.29454	0.28143	0.9043	0.96674	2.177	1.438	0.3378	0.28143	9.03E+00	5.20E-01	9.41E-05	3.40E-02	6.82E-01	1.35E-01	2.39E+00	1.91E+00	1.09E+01
1832	494611.06	3859151.99	1.27826	0.27503	0.86367	0.94673	2.175	1.661	0.3318	0.27503	8.91E+00	5.08E-01	8.99E-05	3.33E-02	6.81E-01	1.56E-01	2.35E+00	1.87E+00	1.08E+01
1833	494661.06	3859151.99	1.26477	0.27205	0.85135	0.93655	2.16	1.975	0.3257	0.27205	8.82E+00	5.02E-01	8.86E-05	3.30E-02	6.77E-01	1.86E-01	2.31E+00	1.85E+00	1.07E+01
1834	494711.06	3859151.99	1.25201	0.26898	0.84183	0.92694	2.156	2.433	0.32	0.26898	8.73E+00	4.97E-01	8.76E-05	3.26E-02	6.75E-01	2.29E-01	2.27E+00	1.83E+00	1.06E+01
1835	494761.06	3859151.99	1.23117	0.26378	0.81633	0.90116	2.05	3.399	0.3127	0.26378	8.58E+00	4.87E-01	8.50E-05	3.17E-02	6.42E-01	3.19E-01	2.22E+00	1.79E+00	1.05E+01
1836	494811.06	3859151.99	1.21118	0.25989	0.79545	0.87899	1.897	5.146	0.3061	0.25989	8.44E+00	4.80E-01	8.28E-05	3.09E-02	5.94E-01	4.84E-01	2.17E+00	1.77E+00	1.04E+01
1837	494861.06	3859151.99	1.19577	0.25612	0.78349	0.86032	1.795	7.405	0.2999	0.25612	8.34E+00	4.73E-01	8.16E-05	3.03E-02	5.62E-01	6.96E-01	2.12E+00	1.74E+00	1.05E+01
1838	494911.06	3859151.99	1.16918	0.24567	0.75499	0.82899	1.74	10.53	0.2928	0.24567	8.15E+00	4.54E-01	7.86E-05	2.92E-02	5.45E-01	9.89E-01	2.07E+00	1.67E+00	1.06E+01
1839	494961.06	3859151.99	1.14333	0.23544	0.72309	0.77765	1.715	12.17	0.284	0.23544	7.97E+00	4.35E-01	7.53E-05	2.74E-02	5.37E-01	1.14E+00	2.01E+00	1.60E+00	1.05E+01
1840	495011.06	3859151.99	1.11667	0.23317	0.70293	0.72455	1.687	13.96	0.2753	0.23317	7.79E+00	4.31E-01	7.32E-05	2.55E-02	5.29E-01	1.31E+00	1.95E+00	1.59E+00	1.04E+01
1841	495061.06	3859151.99	1.10918	0.23277	0.69769	0.72486	1.694	14.23	0.2712	0.23277	7.73E+00	4.30E-01	7.26E-05	2.55E-02	5.31E-01	1.34E+00	1.92E+00	1.58E+00	1.04E+01
1842	495111.06	3859151.99	1.09948	0.22706	0.69103	0.71911	1.696	14.83	0.2686	0.22706	7.67E+00	4.19E-01	7.19E-05	2.53E-02	5.31E-01	1.39E+00	1.90E+00	1.54E+00	1.04E+01
1843	495161.06	3859151.99	1.09945	0.22463	0.68944	0.7362	1.727	14.38	0.2703	0.22463	7.67E+00	4.15E-01	7.18E-05	2.59E-02	5.41E-01	1.35E+00	1.92E+00	1.53E+00	1.04E+01
1844	495211.06	3859151.99	1.09152	0.21874	0.68364	0.73225	1.736	15.81	0.27	0.21874	7.61E+00	4.04E-01	7.12E-05	2.58E-02	5.44E-01	1.49E+00	1.91E+00	1.49E+00	1.05E+01
1845	495261.06	3859151.99	1.08716	0.21802	0.67592	0.72787	1.744	15.36	0.2695	0.21802	7.58E+00	4.03E-01	7.04E-05	2.56E-02	5.46E-01	1.44E+00	1.91E+00	1.48E+00	1.04E+01
1846	495311.06	3859151.99	1.08467	0.21779	0.67187	0.7255	1.724	15.19	0.269	0.21779	7.56E+00	4.02E-01	6.99E-05	2.55E-02	5.40E-01	1.43E+00	1.91E+00	1.48E+00	1.04E+01
1847	495361.06	3859151.99	1.08207	0.21752	0.67154	0.7198	1.688	15.04	0.2684	0.21752	7.54E+00	4.02E-01	6.99E-05	2.53E-02	5.29E-01	1.41E+00	1.90E+00	1.48E+00	1.03E+01
1848	495411.06	3859151.99	1.08831	0.21884	0.68249	0.72563	1.665	13.92	0.2686	0.21884	7.59E+00	4.04E-01	7.11E-05	2.55E-02	5.22E-01	1.31E+00	1.90E+00	1.49E+00	1.03E+01
1849	495461.06	3859151.99	1.08639	0.21838	0.68338	0.71864	1.639	13.75	0.2682	0.21838	7.57E+00	4.03E-01	7.11E-05	2.53E-02	5.13E-01	1.29E+00	1.90E+00	1.48E+00	1.02E+01
1850	495511.06	3859151.99	1.07723	0.2167	0.676	0.70074	1.615	13.8	0.2615	0.2167	7.51E+00	4.00E-01	7.04E-05	2.47E-02	5.06E-01	1.30E+00	1.85E+00	1.47E+00	1.01E+01
1851	495561.06	3859151.99	1.06973	0.21571	0.6713	0.68862	1.597	13.75	0.2594	0.21571	7.46E+00	3.98E-01	6.99E-05	2.42E-02	5.01E-01	1.29E+00	1.84E+00	1.47E+00	1.00E+01
1852	495611.06	3859151.99	1.0633	0.21197	0.66544	0.68433	1.579	13.86	0.258	0.21197	7.41E+00	3.91E-01	6.93E-05	2.41E-02	4.95E-01	1.30E+00	1.83E+00	1.44E+00	1.00E+01
1853	495661.06	3859151.99	1.05879	0.20932	0.66144	0.67998	1.563	13.81	0.2553	0.20932	7.38E+00	3.87E-01	6.89E-05	2.39E-02	4.90E-01	1.30E+00	1.81E+00	1.42E+00	9.97E+00
1854	494311.06	3859201.99	1.36362	0.32482	1.03001	1.02673	2.188	1.239	0.3592	0.32482	9.51E+00	6.00E-01	1.07E-04	3.61E-02	6.86E-01	1.16E-01	2.55E+00	2.21E+00	1.13E+01
1855	494361.06	3859201.99	1.35281	0.32272	1.01463	1.03355	2.243	1.288	0.358	0.32272	9.43E+00	5.96E-01	1.06E-04	3.64E-02	7.03E-01	1.21E-01	2.54E+00	2.19E+00	1.12E+01
1856	494411.06	3859201.99	1.34215	0.31751	0.99011	1.02993	2.226	1.372	0.3564	0.31751	9.36E+00	5.86E-01	1.03E-04	3.62E-02	6.98E-01	1.29E-01	2.52E+00	2.16E+00	1.12E+01
1857	494461.06	3859201.99	1.3337	0.31109	0.96267	1.01323	2.223	1.429	0.3509	0.31109	9.30E+00	5.75E-01	1.00E-04	3.57E-02	6.96E-01	1.34E-01	2.49E+00	2.12E+00	1.11E+01
1858	494511.06	3859201.99	1.32588	0.30823	0.94244	1.00417	2.234	1.418	0.3486	0.30823	9.24E+00	5.69E-01	9.81E-05	3.53E-02	7.00E-01	1.33E-01	2.47E+00	2.10E+00	1.11E+01
1859	494561.06	3859201.99	1.30977	0.29753	0.91962	0.98513	2.242	1.539	0.3436	0.29753	9.13E+00	5.50E-01	9.57E-05	3.47E-02	7.02E-01	1.45E-01	2.43E+00	2.02E+00	1.10E+01
1860	494611.06	3859201.99	1.29436	0.28863	0.90364	0.96312	2.177	1.852	0.3402	0.28863	9.02E+00	5.33E-01	9.41E-05	3.39E-02	6.82E-01	1.74E-01	2.41E+00	1.96E+00	1.09E+01
1861	494661.06	3859201.99	1.28197	0.28423	0.89715	0.94448	2.116	2.181	0.337	0.28423	8.94E+00	5.25E-01	9.34E-05	3.32E-02	6.63E-01	2.05E-01	2.39E+00	1.93E+00	1.08E+01
1862	494711.06	3859201.99	1.26922	0.28004	0.89015	0.93332	2.097	2.657	0.3327	0.28004	8.85E+00	5.17E-01	9.27E-05	3.28E-02	6.57E-01	2.50E-01	2.36E+00	1.90E+00	1.08E+01
1863	494761.06	3859201.99	1.2528	0.27302	0.87169	0.91802	2.096	3.485	0.3261	0.27302	8.73E+00	5.04E-01	9.07E-05	3.23E-02	6.57E-01	3.28E-01	2.31E+00	1.86E+00	1.07E+01
1864	494811.06	3859201.99	1.23596	0.26754	0.84285	0.90456	2.093	5.77	0.3197	0.26754	8.62E+00	4.94E-01	8.77E-05	3.18E-02	6.56E-01	5.42E-01	2.27E+00	1.82E+00	1.08E+01
1865	494861.06	3859201.99	1.21825	0.26268	0.82044	0.88205	2.076	5.992	0.3122	0.26268	8.49E+00	4.85E-01	8.54E-05	3.10E-02	6.51E-01	5.63E-01	2.21E+00	1.79E+00	1.06E+01
1866	494911.06	3859201.99	1.1943	0.25437	0.79544	0.84946	1.915	5.117	0.304	0.25437	8.33E+00	4.70E-01	8.28E-05	2.99E-02	6.00E-01	4.81E-01	2.15E+00	1.73E+00	1.03E+01
1867	494961.06	3859201.99	1.1699	0.24224	0.77123	0.81775	1.764	4.626	0.2928	0.24224	8.16E+00	4.47E-01	8.03E-05	2.88E-02	5.53E-01	4.35E-01	2.07E+00	1.65E+00	1.00E+01
1868	495011.06	3859201.99	1.14031	0.23557	0.73265	0.7592	1.676	5.017	0.2804	0.23557	7.95E+00	4.35E-01	7.63E-05	2.67E-02	5.25E-01	4.72E-01	1.99E+00	1.60E+00	9.79E+00
1869	495061.06	3859201.99	1.14341	0.23534	0.74614	0.78482	1.652	5.587	0.2822	0.23534	7.97E+00	4.35E-01	7.77E-05	2.76E-02	5.18E-01	5.25E-01	2.00E+00	1.60E+00	9.88E+00
1870	495111.06	3859201.99	1.13811	0.23604	0.74134	0.78092	1.658	5.908	0.2822	0.23604	7.93E+00	4.36E-01	7.72E-05	2.75E-02	5.20E-01	5.55E-01	2.00E+00	1.61E+00	9.87E+00
1871	495161.06	3859201.99	1.13161	0.23585	0.73469	0.77379	1.667	5.936	0.2755	0.23585	7.89E+00	4.36E-01	7.65E-05	2.72E-02	5.22E-01	5.58E-01	1.95E+00	1.60E+00	9.78E+00
1872	495211.06	3859201.99	1.12207	0.22879	0.7229	0.76133	1.67	5.958	0.2705	0.22879	7.82E+00	4.23E-01	7.53E-05	2.68E-02	5.23E-01	5.60E-01	1.92E+00	1.56E+00	9.72E+00
1873	495261.06	3859201.99	1.1168	0.22955	0.71636	0.7603	1.679	5.869	0.2705	0.22955	7.79E+00	4.24E-01	7.46E-05	2.68E-02	5.26E-01	5.52E-01	1.92E+00	1.56E+00	9.67E+00
1874	495311.06	3859201.99	1.11117	0.22794	0.70952	0.75899	1.688	6.01	0.2705	0.22794	7.75E+00	4.21E-01	7.39E-05	2.67E-02	5.29E-01	5.65E-01	1.92E+00	1.55E+00	9.65E+00
1875	495361.06	3859201.99	1.10485	0.22919	0.70395	0.75774	1.702	6.179	0.2707	0.22919	7.70E+00	4.23E-01	7.33E-05	2.67E-02	5.33E-01	5.81E-01	1.92E+00	1.56E+00	9.63E+00
1876	495411.06	3859201.99	1.10398	0.23244	0.70129	0.76307	1.719	6.042	0.2721	0.23244	7.70E+00	4.29E-01	7.30E-05	2.69E-02	5.39E-01	5.68E-01	1.93E+00	1.58E+00	9.61E+00
1877	495461.06	3859201.99	1.09972	0.23138	0.69255	0.75718	1.711	6.106	0.2713	0.23138	7.67E+00	4.27E-01	7.21E-05	2.66E-02	5.36E-01	5.74E-01	1.92E+00	1.57E+00	9.58E+00
1878	495511.06	3859201.99	1.09549	0.23036	0.68501	0.74812	1.686	6.268	0.2705	0.23036	7.64E+00	4.25E-01	7.13E-05	2.63E-02	5.28E-01	5.89E-01	1.92E+00	1.57E+00	9.56E+00
1879	495561.06	3859201.99	1.08745	0.22541	0.67326	0.7293	1.645	6.267	0.268	0.22541	7.58E+00	4.16E-01	7.01E-05	2.57E-02	5.15E-01	5.89E-01	1.90E+00	1.53E+00	9.49E+00
1880	495611.06	3859201.99	1.08099	0.22252	0.66701	0.71936	1.617	6.044	0.2625	0.22252	7.54E+00	4.11E-01	6.94E-05	2.53E-02	5.07E-01	5.68E-01	1.86E+00	1.51E+00	9.39E+00
1881	495661.06	3859201.99	1.07492	0.22051	0.66356	0.71449	1.59	6.269	0.2609	0.22051	7.49E+00	4.07E-01	6.91E-05	2.51E-02	4.98E-01	5.89E-01	1.85E+00	1.50E+00	9.36E+00
1882	494311.06	3859251.99	1.35559	0.34856	1.10739	0.97982	2.005	1.376	0.3708	0.34856	9.45E+00	6.44E-01	1.15E-04	3.45E-02	6.28E-01	1.29E-01	2.63E+00	2.37E+00	1.11E+01
1883	494361.06	3859251.99	1.34865	0.34089	1.08512	0.97524	2.039	1.414	0.3678	0.34089	9.40E+00	6.30E-01	1.13E-04	3.43E-02	6.39E-01	1.33E-01	2.61E+00	2.32E+00	1.11E+01
1884	494411.06	3859251.99	1.34143	0.32982	1.06093	0.96559	2.021	1.435	0.3623	0.32982	9.35E+00	6.09E-01	1.10E-04	3.40E-02	6.33E-01	1.35E-01	2.57E+00	2.24E+00	1.11E+01

1885	494461.06	3859251.99	1.33102	0.32501	1.04501	0.96786	2.046	1.458	0.3591	0.32501	9.28E+00	6.00E-01	1.09E-04	3.41E-02	6.41E-01	1.37E-01	2.54E+00	2.21E+00	1.10E+01
1886	494511.06	3859251.99	1.32124	0.31479	1.02188	0.95622	2.09	1.549	0.3528	0.31479	9.21E+00	5.81E-01	1.06E-04	3.37E-02	6.55E-01	1.46E-01	2.50E+00	2.14E+00	1.10E+01
1887	494561.06	3859251.99	1.31163	0.31175	1.00198	0.95947	2.098	1.726	0.3496	0.31175	9.14E+00	5.76E-01	1.04E-04	3.38E-02	6.57E-01	1.62E-01	2.48E+00	2.12E+00	1.09E+01
1888	494611.06	3859251.99	1.30313	0.30597	0.97212	0.94684	2.114	1.968	0.345	0.30597	9.09E+00	5.65E-01	1.01E-04	3.33E-02	6.63E-01	1.85E-01	2.44E+00	2.08E+00	1.09E+01
1889	494661.06	3859251.99	1.29345	0.30237	0.95375	0.94937	2.125	2.345	0.3432	0.30237	9.02E+00	5.58E-01	9.93E-05	3.34E-02	6.66E-01	2.20E-01	2.43E+00	2.06E+00	1.09E+01
1890	494711.06	3859251.99	1.2798	0.29515	0.93479	0.94326	2.143	2.997	0.3401	0.29515	8.92E+00	5.45E-01	9.73E-05	3.32E-02	6.71E-01	2.82E-01	2.41E+00	2.01E+00	1.09E+01
1891	494761.06	3859251.99	1.26394	0.27941	0.88181	0.89244	2.081	3.817	0.3325	0.27941	8.81E+00	5.16E-01	9.18E-05	3.14E-02	6.52E-01	3.59E-01	2.36E+00	1.90E+00	1.08E+01
1892	494811.06	3859251.99	1.25389	0.27947	0.88498	0.90804	2.03	5.462	0.3285	0.27947	8.74E+00	5.16E-01	9.21E-05	3.20E-02	6.36E-01	5.13E-01	2.33E+00	1.90E+00	1.09E+01
1893	494861.06	3859251.99	1.23771	0.26785	0.83136	0.87043	1.984	5.488	0.3211	0.26785	8.63E+00	4.95E-01	8.65E-05	3.06E-02	6.22E-01	5.16E-01	2.28E+00	1.82E+00	1.07E+01
1894	494911.06	3859251.99	1.21771	0.26197	0.80817	0.8418	1.922	4.668	0.3137	0.26197	8.49E+00	4.84E-01	8.41E-05	2.96E-02	6.02E-01	4.39E-01	2.22E+00	1.78E+00	1.05E+01
1895	494961.06	3859251.99	1.20418	0.25645	0.79028	0.83541	1.922	3.84	0.307	0.25645	8.40E+00	4.74E-01	8.23E-05	2.94E-02	6.02E-01	3.61E-01	2.17E+00	1.74E+00	1.03E+01
1896	495011.06	3859251.99	1.189	0.2491	0.77373	0.81417	1.857	3.548	0.2997	0.2491	8.29E+00	4.60E-01	8.06E-05	2.87E-02	5.82E-01	3.33E-01	2.12E+00	1.69E+00	1.01E+01
1897	495061.06	3859251.99	1.18329	0.25142	0.76507	0.82029	1.831	3.557	0.2945	0.25142	8.25E+00	4.64E-01	7.96E-05	2.89E-02	5.74E-01	3.34E-01	2.09E+00	1.71E+00	1.00E+01
1898	495111.06	3859251.99	1.17259	0.24739	0.75327	0.81356	1.768	3.683	0.2886	0.24739	8.17E+00	4.57E-01	7.84E-05	2.86E-02	5.54E-01	3.46E-01	2.04E+00	1.68E+00	9.92E+00
1899	495161.06	3859251.99	1.16616	0.24767	0.74457	0.80659	1.705	3.752	0.2863	0.24767	8.13E+00	4.57E-01	7.75E-05	2.84E-02	5.34E-01	3.53E-01	2.03E+00	1.68E+00	9.85E+00
1900	495211.06	3859251.99	1.15709	0.24603	0.73383	0.78979	1.645	3.909	0.2851	0.24603	8.07E+00	4.54E-01	7.64E-05	2.78E-02	5.15E-01	3.67E-01	2.02E+00	1.67E+00	9.78E+00
1901	495261.06	3859251.99	1.15153	0.24441	0.7269	0.78685	1.634	3.895	0.2788	0.24441	8.03E+00	4.51E-01	7.57E-05	2.77E-02	5.12E-01	3.66E-01	1.98E+00	1.66E+00	9.70E+00
1902	495311.06	3859251.99	1.14335	0.24441	0.72301	0.78178	1.641	3.87	0.2753	0.24441	7.97E+00	4.51E-01	7.53E-05	2.75E-02	5.14E-01	3.64E-01	1.95E+00	1.66E+00	9.62E+00
1903	495361.06	3859251.99	1.13391	0.24387	0.71427	0.77988	1.648	3.839	0.275	0.24387	7.91E+00	4.50E-01	7.44E-05	2.74E-02	5.16E-01	3.61E-01	1.95E+00	1.66E+00	9.55E+00
1904	495411.06	3859251.99	1.12867	0.24373	0.7121	0.78245	1.66	3.842	0.2762	0.24373	7.87E+00	4.50E-01	7.41E-05	2.75E-02	5.20E-01	3.61E-01	1.96E+00	1.66E+00	9.53E+00
1905	495461.06	3859251.99	1.1194	0.24293	0.70438	0.7781	1.659	3.966	0.2755	0.24293	7.80E+00	4.49E-01	7.33E-05	2.74E-02	5.20E-01	3.73E-01	1.95E+00	1.65E+00	9.47E+00
1906	495511.06	3859251.99	1.10578	0.23922	0.69259	0.76267	1.661	4.003	0.2726	0.23922	7.71E+00	4.42E-01	7.21E-05	2.68E-02	5.20E-01	3.76E-01	1.93E+00	1.63E+00	9.38E+00
1907	495561.06	3859251.99	1.09704	0.23771	0.68838	0.75754	1.67	3.964	0.2712	0.23771	7.65E+00	4.39E-01	7.17E-05	2.67E-02	5.23E-01	3.73E-01	1.92E+00	1.62E+00	9.32E+00
1908	495611.06	3859251.99	1.08575	0.23467	0.6791	0.74725	1.675	4.209	0.2692	0.23467	7.57E+00	4.33E-01	7.07E-05	2.63E-02	5.25E-01	3.96E-01	1.91E+00	1.60E+00	9.26E+00
1909	495661.06	3859251.99	1.07744	0.2331	0.67445	0.74239	1.668	4.258	0.2679	0.2331	7.51E+00	4.31E-01	7.02E-05	2.61E-02	5.23E-01	4.00E-01	1.90E+00	1.59E+00	9.20E+00
1910	494311.06	3859301.99	1.34688	0.37098	1.13145	0.98337	1.845	1.452	0.3808	0.37098	9.39E+00	6.85E-01	1.18E-04	3.46E-02	5.78E-01	1.37E-01	2.70E+00	2.52E+00	1.10E+01
1911	494361.06	3859301.99	1.34021	0.36281	1.1064	0.97061	1.886	1.518	0.3769	0.36281	9.34E+00	6.70E-01	1.15E-04	3.42E-02	5.91E-01	1.43E-01	2.67E+00	2.47E+00	1.10E+01
1912	494411.06	3859301.99	1.33344	0.35219	1.07751	0.94745	1.893	1.523	0.3692	0.35219	9.30E+00	6.50E-01	1.12E-04	3.33E-02	5.93E-01	1.43E-01	2.62E+00	2.39E+00	1.09E+01
1913	494461.06	3859301.99	1.32653	0.3416	1.04731	0.92086	1.899	1.623	0.3629	0.3416	9.25E+00	6.31E-01	1.09E-04	3.24E-02	5.95E-01	1.53E-01	2.57E+00	2.32E+00	1.09E+01
1914	494511.06	3859301.99	1.31962	0.33329	1.02616	0.90618	1.927	1.602	0.3579	0.33329	9.20E+00	6.16E-01	1.07E-04	3.19E-02	6.04E-01	1.51E-01	2.54E+00	2.27E+00	1.09E+01
1915	494561.06	3859301.99	1.31449	0.32984	1.01545	0.90551	1.904	1.831	0.354	0.32984	9.16E+00	6.09E-01	1.06E-04	3.19E-02	5.97E-01	1.72E-01	2.51E+00	2.24E+00	1.08E+01
1916	494611.06	3859301.99	1.3083	0.31861	1.00232	0.9054	1.889	2.183	0.3496	0.31861	9.12E+00	5.88E-01	1.04E-04	3.19E-02	5.92E-01	2.05E-01	2.48E+00	2.17E+00	1.08E+01
1917	494661.06	3859301.99	1.30166	0.31298	0.98767	0.90556	1.939	2.563	0.346	0.31298	9.07E+00	5.78E-01	1.03E-04	3.19E-02	6.08E-01	2.41E-01	2.45E+00	2.13E+00	1.09E+01
1918	494711.06	3859301.99	1.29316	0.30609	0.95354	0.90037	1.962	3.167	0.3417	0.30609	9.02E+00	5.65E-01	9.93E-05	3.17E-02	6.15E-01	2.98E-01	2.42E+00	2.08E+00	1.09E+01
1919	494761.06	3859301.99	1.28162	0.2996	0.93134	0.88913	1.987	3.698	0.3386	0.2996	8.94E+00	5.53E-01	9.70E-05	3.13E-02	6.23E-01	3.48E-01	2.40E+00	2.04E+00	1.09E+01
1920	494811.06	3859301.99	1.26842	0.29048	0.90021	0.86719	2.01	5.138	0.3336	0.29048	8.84E+00	5.36E-01	9.37E-05	3.05E-02	6.30E-01	4.83E-01	2.36E+00	1.98E+00	1.09E+01
1921	494861.06	3859301.99	1.24915	0.27839	0.8647	0.83968	2.021	4.932	0.3274	0.27839	8.71E+00	5.14E-01	9.00E-05	2.96E-02	6.33E-01	4.64E-01	2.32E+00	1.89E+00	1.08E+01
1922	494911.06	3859301.99	1.23617	0.27192	0.84888	0.83258	1.995	4.709	0.3222	0.27192	8.62E+00	5.02E-01	8.84E-05	2.93E-02	6.25E-01	4.43E-01	2.28E+00	1.85E+00	1.07E+01
1923	494961.06	3859301.99	1.21449	0.26273	0.81463	0.80114	1.914	3.741	0.3148	0.26273	8.47E+00	4.85E-01	8.48E-05	2.82E-02	6.00E-01	3.52E-01	2.23E+00	1.79E+00	1.04E+01
1924	495011.06	3859301.99	1.20163	0.25752	0.79854	0.78729	1.906	3.386	0.3091	0.25752	8.38E+00	4.76E-01	8.31E-05	2.77E-02	5.97E-01	3.18E-01	2.19E+00	1.75E+00	1.02E+01
1925	495061.06	3859301.99	1.20436	0.26522	0.80434	0.81541	1.892	3.399	0.3051	0.26522	8.40E+00	4.90E-01	8.37E-05	2.87E-02	5.93E-01	3.19E-01	2.16E+00	1.80E+00	1.02E+01
1926	495111.06	3859301.99	1.18638	0.2609	0.78532	0.79731	1.845	3.139	0.2985	0.2609	8.27E+00	4.82E-01	8.18E-05	2.81E-02	5.78E-01	2.95E-01	2.12E+00	1.77E+00	1.00E+01
1927	495161.06	3859301.99	1.17662	0.25909	0.77942	0.80863	1.864	3.071	0.2932	0.25909	8.20E+00	4.79E-01	8.11E-05	2.85E-02	5.84E-01	2.89E-01	2.08E+00	1.76E+00	9.90E+00
1928	495211.06	3859301.99	1.17107	0.25924	0.77556	0.82992	1.856	3.152	0.2893	0.25924	8.16E+00	4.79E-01	8.07E-05	2.92E-02	5.82E-01	2.96E-01	2.05E+00	1.76E+00	9.84E+00
1929	495261.06	3859301.99	1.16304	0.25926	0.77453	0.83415	1.821	3.174	0.2885	0.25926	8.11E+00	4.79E-01	8.06E-05	2.94E-02	5.71E-01	2.98E-01	2.04E+00	1.76E+00	9.77E+00
1930	495311.06	3859301.99	1.15008	0.25599	0.76086	0.82233	1.732	3.081	0.2859	0.25599	8.02E+00	4.73E-01	7.92E-05	2.89E-02	5.43E-01	2.90E-01	2.03E+00	1.74E+00	9.64E+00
1931	495361.06	3859301.99	1.14299	0.25627	0.75458	0.82647	1.666	3.155	0.2841	0.25627	7.97E+00	4.73E-01	7.86E-05	2.91E-02	5.22E-01	2.97E-01	2.01E+00	1.74E+00	9.56E+00
1932	495411.06	3859301.99	1.13421	0.25405	0.74502	0.82226	1.602	2.896	0.2789	0.25405	7.91E+00	4.69E-01	7.76E-05	2.89E-02	5.02E-01	2.72E-01	1.98E+00	1.73E+00	9.43E+00
1933	495461.06	3859301.99	1.12597	0.25388	0.7381	0.81986	1.607	2.78	0.2789	0.25388	7.85E+00	4.69E-01	7.68E-05	2.89E-02	5.04E-01	2.61E-01	1.98E+00	1.73E+00	9.36E+00
1934	495511.06	3859301.99	1.11416	0.24882	0.72445	0.80588	1.612	2.888	0.2772	0.24882	7.77E+00	4.60E-01	7.54E-05	2.84E-02	5.05E-01	2.72E-01	1.96E+00	1.69E+00	9.30E+00
1935	495561.06	3859301.99	1.09976	0.24266	0.70387	0.7791	1.609	3.105	0.2736	0.24266	7.67E+00	4.48E-01	7.33E-05	2.74E-02	5.04E-01	2.92E-01	1.94E+00	1.65E+00	9.23E+00
1936	495611.06	3859301.99	1.09282	0.24085	0.69305	0.7732	1.612	3.226	0.2722	0.24085	7.62E+00	4.45E-01	7.22E-05	2.72E-02	5.05E-01	3.03E-01	1.93E+00	1.64E+00	9.19E+00
1937	495661.06	3859301.99	1.08459	0.23899	0.67748	0.7672	1.613	2.992	0.2707	0.23899	7.56E+00	4.41E-01	7.05E-05	2.70E-02	5.05E-01	2.81E-01	1.92E+00	1.63E+00	9.11E+00
1938	494311.06	3859351.99	1.33784	0.38882	1.13972	1.03894	1.91	1.73	0.3871	0.38882	9.33E+00	7.18E-01	1.19E-04	3.66E-02	5.99E-01	1.63E-01	2.74E+00	2.64E+00	1.09E+01
1939	494361.06	3859351.99	1.32876	0.3815	1.11178	1.00723	1.808	1.769	0.3829	0.3815	9.26E+00	7.05E-01	1.16E-04	3.55E-02	5.67E-01	1.66E-01	2.71E+00	2.59E+00	1.09E+01
1940	494411.06	3859351.99	1.32065	0.36788	1.07993	0.9745	1.763	1.815	0.376	0.36788	9.21E+00	6.79E-01	1.12E-04	3.43E-02	5.52E-01	1.71E-01	2.66E+00	2.50E+00	1.08E+01
1941	494461.06	3859351.99	1.31207	0.35826	1.04695	0.95464	1.763	1.86	0.3699	0.35826	9.15E+00	6.62E-01	1.09E-04	3.36E-02	5.53E-01	1.75E-01	2.62E+00	2.44E+00	1.08E+01
1942	494511.06	3859351.99	1.30352	0.34877	1.01485	0.93918	1.778	1.931	0.3639	0.34877	9.09E+00	6.44E-01	1.06E-04	3.31E-02	5.57E-01	1.82E-01	2.58E+00	2.37E+00	1.07E+01
1943	494561.06	3859351.99	1.29812	0.34345	0.99003	0.92304	1.803	2.08	0.3597	0.34345	9.05E+00	6.34E-01	1.03E-04	3.25E-02	5.65E-01	1.96E-01	2.55E+00	2.34E+00	1.07E+01

1944	494611.06	3859351.99	1.29014	0.33782	0.96902	0.90594	1.81	2.411	0.3545	0.33782	8.99E+00	6.24E-01	1.01E-04	3.19E-02	5.67E-01	2.27E-01	2.51E+00	2.30E+00	1.07E+01
1945	494661.06	3859351.99	1.29509	0.33367	0.94545	0.8915	1.832	2.781	0.3496	0.33367	9.03E+00	6.16E-01	9.84E-05	3.14E-02	5.74E-01	2.61E-01	2.48E+00	2.27E+00	1.07E+01
1946	494711.06	3859351.99	1.28942	0.32016	0.91551	0.88019	1.798	3.287	0.344	0.32016	8.99E+00	5.91E-01	9.53E-05	3.10E-02	5.64E-01	3.09E-01	2.44E+00	2.18E+00	1.07E+01
1947	494761.06	3859351.99	1.2829	0.30726	0.88177	0.8628	1.772	3.881	0.3372	0.30726	8.94E+00	5.67E-01	9.18E-05	3.04E-02	5.55E-01	3.65E-01	2.39E+00	2.09E+00	1.08E+01
1948	494811.06	3859351.99	1.27059	0.29253	0.85383	0.83917	1.773	5.145	0.3301	0.29253	8.86E+00	5.40E-01	8.89E-05	2.95E-02	5.56E-01	4.84E-01	2.34E+00	1.99E+00	1.08E+01
1949	494861.06	3859351.99	1.25965	0.28803	0.83984	0.83158	1.775	5.19	0.3285	0.28803	8.78E+00	5.32E-01	8.74E-05	2.93E-02	5.56E-01	4.88E-01	2.33E+00	1.96E+00	1.08E+01
1950	494911.06	3859351.99	1.24653	0.28542	0.82925	0.82614	1.786	4.748	0.3276	0.28542	8.69E+00	5.27E-01	8.63E-05	2.91E-02	5.60E-01	4.46E-01	2.32E+00	1.94E+00	1.06E+01
1951	494961.06	3859351.99	1.22861	0.28101	0.81144	0.81361	1.831	4.166	0.3238	0.28101	8.57E+00	5.19E-01	8.45E-05	2.86E-02	5.74E-01	3.92E-01	2.29E+00	1.91E+00	1.05E+01
1952	495011.06	3859351.99	1.21194	0.2786	0.79003	0.8045	1.905	3.647	0.3187	0.2786	8.45E+00	5.15E-01	8.22E-05	2.83E-02	5.97E-01	3.43E-01	2.26E+00	1.89E+00	1.03E+01
1953	495061.06	3859351.99	1.20427	0.28231	0.79034	0.81717	1.959	3.534	0.3155	0.28231	8.40E+00	5.21E-01	8.23E-05	2.88E-02	6.14E-01	3.32E-01	2.24E+00	1.92E+00	1.02E+01
1954	495111.06	3859351.99	1.19241	0.27913	0.76792	0.81609	1.912	3.339	0.3099	0.27913	8.31E+00	5.16E-01	7.99E-05	2.87E-02	5.99E-01	3.14E-01	2.20E+00	1.90E+00	1.01E+01
1955	495161.06	3859351.99	1.18334	0.27814	0.76164	0.82143	1.876	3.16	0.3046	0.27814	8.25E+00	5.14E-01	7.93E-05	2.89E-02	5.88E-01	2.97E-01	2.16E+00	1.89E+00	9.94E+00
1956	495211.06	3859351.99	1.17421	0.27454	0.75587	0.8301	1.872	3.025	0.2991	0.27454	8.19E+00	5.07E-01	7.87E-05	2.92E-02	5.87E-01	2.84E-01	2.12E+00	1.87E+00	9.85E+00
1957	495261.06	3859351.99	1.1667	0.27461	0.75614	0.84391	1.841	2.894	0.2942	0.27461	8.13E+00	5.07E-01	7.87E-05	2.97E-02	5.77E-01	2.72E-01	2.08E+00	1.87E+00	9.74E+00
1958	495311.06	3859351.99	1.1552	0.27075	0.74485	0.83904	1.844	2.817	0.2915	0.27075	8.05E+00	5.00E-01	7.75E-05	2.95E-02	5.78E-01	2.65E-01	2.07E+00	1.84E+00	9.65E+00
1959	495361.06	3859351.99	1.14523	0.26908	0.73575	0.84852	1.881	2.685	0.2896	0.26908	7.98E+00	4.97E-01	7.66E-05	2.99E-02	5.89E-01	2.52E-01	2.05E+00	1.83E+00	9.58E+00
1960	495411.06	3859351.99	1.13976	0.26872	0.72667	0.86037	1.835	2.695	0.2883	0.26872	7.95E+00	4.96E-01	7.57E-05	3.03E-02	5.75E-01	2.53E-01	2.04E+00	1.83E+00	9.52E+00
1961	495461.06	3859351.99	1.13494	0.26821	0.72179	0.86417	1.79	2.743	0.287	0.26821	7.91E+00	4.95E-01	7.51E-05	3.04E-02	5.61E-01	2.58E-01	2.03E+00	1.82E+00	9.47E+00
1962	495511.06	3859351.99	1.12604	0.26256	0.7102	0.84465	1.695	2.758	0.2805	0.26256	7.85E+00	4.85E-01	7.39E-05	2.97E-02	5.31E-01	2.59E-01	1.99E+00	1.79E+00	9.36E+00
1963	495561.06	3859351.99	1.11556	0.258	0.70082	0.83487	1.6	2.945	0.2786	0.258	7.78E+00	4.77E-01	7.30E-05	2.94E-02	5.01E-01	2.77E-01	1.97E+00	1.75E+00	9.28E+00
1964	495611.06	3859351.99	1.10736	0.2528	0.69332	0.82532	1.553	2.861	0.2771	0.2528	7.72E+00	4.67E-01	7.22E-05	2.90E-02	4.87E-01	2.69E-01	1.96E+00	1.72E+00	9.22E+00
1965	495661.06	3859351.99	1.09751	0.24845	0.67831	0.80567	1.561	2.695	0.2741	0.24845	7.65E+00	4.59E-01	7.06E-05	2.84E-02	4.89E-01	2.53E-01	1.94E+00	1.69E+00	9.13E+00
1966	494311.06	3859401.99	1.32658	0.41363	1.10593	1.06853	1.977	2.029	0.402	0.41363	9.25E+00	7.64E-01	1.15E-04	3.76E-02	6.19E-01	1.91E-01	2.85E+00	2.81E+00	1.09E+01
1967	494361.06	3859401.99	1.31709	0.39922	1.07847	1.05112	1.916	2.001	0.3924	0.39922	9.18E+00	7.37E-01	1.12E-04	3.70E-02	6.00E-01	1.88E-01	2.78E+00	2.71E+00	1.08E+01
1968	494411.06	3859401.99	1.3108	0.38474	1.05048	1.02779	1.882	2.093	0.3837	0.38474	9.14E+00	7.11E-01	1.09E-04	3.62E-02	5.90E-01	1.97E-01	2.72E+00	2.62E+00	1.08E+01
1969	494461.06	3859401.99	1.30444	0.37687	1.02291	0.99669	1.818	2.133	0.3779	0.37687	9.09E+00	6.96E-01	1.06E-04	3.51E-02	5.70E-01	2.01E-01	2.68E+00	2.56E+00	1.07E+01
1970	494511.06	3859401.99	1.29994	0.37239	0.99767	0.97578	1.714	2.24	0.3741	0.37239	9.06E+00	6.88E-01	1.04E-04	3.43E-02	5.37E-01	2.11E-01	2.65E+00	2.53E+00	1.07E+01
1971	494561.06	3859401.99	1.28807	0.36526	0.97006	0.96047	1.695	2.348	0.3691	0.36526	8.98E+00	6.75E-01	1.01E-04	3.38E-02	5.31E-01	2.21E-01	2.61E+00	2.48E+00	1.06E+01
1972	494611.06	3859401.99	1.27504	0.3544	0.9415	0.94067	1.679	2.819	0.364	0.3544	8.89E+00	6.55E-01	9.80E-05	3.31E-02	5.26E-01	2.65E-01	2.58E+00	2.41E+00	1.05E+01
1973	494661.06	3859401.99	1.26355	0.348	0.93451	0.9232	1.687	3.049	0.3603	0.348	8.81E+00	6.43E-01	9.73E-05	3.25E-02	5.29E-01	2.87E-01	2.55E+00	2.37E+00	1.05E+01
1974	494711.06	3859401.99	1.25646	0.34072	0.92108	0.90608	1.721	3.272	0.356	0.34072	8.76E+00	6.29E-01	9.59E-05	3.19E-02	5.39E-01	3.08E-01	2.52E+00	2.32E+00	1.05E+01
1975	494761.06	3859401.99	1.25803	0.33091	0.85814	0.87612	1.72	3.825	0.3438	0.33091	8.77E+00	6.11E-01	8.93E-05	3.08E-02	5.39E-01	3.60E-01	2.44E+00	2.25E+00	1.05E+01
1976	494811.06	3859401.99	1.25131	0.31922	0.8514	0.85657	1.725	4.86	0.3393	0.31922	8.72E+00	5.90E-01	8.86E-05	3.01E-02	5.40E-01	4.57E-01	2.40E+00	2.17E+00	1.06E+01
1977	494861.06	3859401.99	1.24311	0.3077	0.82102	0.83692	1.678	5.765	0.3327	0.3077	8.67E+00	5.68E-01	8.55E-05	2.95E-02	5.26E-01	5.42E-01	2.36E+00	2.09E+00	1.06E+01
1978	494911.06	3859401.99	1.23575	0.29849	0.79259	0.82412	1.675	4.925	0.3294	0.29849	8.62E+00	5.51E-01	8.25E-05	2.90E-02	5.25E-01	4.63E-01	2.33E+00	2.03E+00	1.05E+01
1979	494961.06	3859401.99	1.22852	0.29658	0.78052	0.81427	1.696	4.408	0.3282	0.29658	8.56E+00	5.48E-01	8.13E-05	2.87E-02	5.31E-01	4.14E-01	2.33E+00	2.02E+00	1.04E+01
1980	495011.06	3859401.99	1.21923	0.29497	0.77234	0.80736	1.714	3.87	0.326	0.29497	8.50E+00	5.45E-01	8.04E-05	2.84E-02	5.37E-01	3.64E-01	2.31E+00	2.01E+00	1.03E+01
1981	495061.06	3859401.99	1.20605	0.29238	0.76637	0.80672	1.733	3.652	0.3219	0.29238	8.41E+00	5.40E-01	7.98E-05	2.84E-02	5.43E-01	3.43E-01	2.28E+00	1.99E+00	1.02E+01
1982	495111.06	3859401.99	1.1889	0.28827	0.75396	0.80413	1.746	3.421	0.3172	0.28827	8.29E+00	5.32E-01	7.85E-05	2.83E-02	5.47E-01	3.22E-01	2.25E+00	1.96E+00	1.00E+01
1983	495161.06	3859401.99	1.17738	0.2898	0.74635	0.80576	1.833	3.368	0.3135	0.2898	8.21E+00	5.35E-01	7.77E-05	2.84E-02	5.74E-01	3.17E-01	2.22E+00	1.97E+00	9.91E+00
1984	495211.06	3859401.99	1.16847	0.2906	0.74089	0.80894	1.896	3.291	0.3092	0.2906	8.15E+00	5.37E-01	7.71E-05	2.85E-02	5.94E-01	3.09E-01	2.19E+00	1.98E+00	9.83E+00
1985	495261.06	3859401.99	1.16265	0.28828	0.73991	0.81122	1.898	3.119	0.3041	0.28828	8.11E+00	5.32E-01	7.70E-05	2.86E-02	5.95E-01	2.93E-01	2.15E+00	1.96E+00	9.75E+00
1986	495311.06	3859401.99	1.15786	0.28616	0.73776	0.81721	1.853	2.809	0.299	0.28616	8.07E+00	5.29E-01	7.68E-05	2.88E-02	5.81E-01	2.64E-01	2.12E+00	1.95E+00	9.65E+00
1987	495361.06	3859401.99	1.15531	0.28687	0.74262	0.8337	1.831	2.848	0.297	0.28687	8.05E+00	5.30E-01	7.73E-05	2.93E-02	5.74E-01	2.68E-01	2.10E+00	1.95E+00	9.61E+00
1988	495411.06	3859401.99	1.14886	0.28575	0.74292	0.84485	1.826	2.63	0.2957	0.28575	8.01E+00	5.28E-01	7.73E-05	2.97E-02	5.72E-01	2.47E-01	2.09E+00	1.94E+00	9.54E+00
1989	495461.06	3859401.99	1.14153	0.2832	0.72874	0.85088	1.79	2.679	0.2936	0.2832	7.96E+00	5.23E-01	7.59E-05	2.99E-02	5.61E-01	2.52E-01	2.08E+00	1.93E+00	9.48E+00
1990	495511.06	3859401.99	1.13458	0.27984	0.70826	0.84753	1.815	2.661	0.2899	0.27984	7.91E+00	5.17E-01	7.37E-05	2.98E-02	5.69E-01	2.50E-01	2.05E+00	1.90E+00	9.43E+00
1991	495561.06	3859401.99	1.12623	0.27118	0.68616	0.83228	1.793	2.623	0.2853	0.27118	7.85E+00	5.01E-01	7.14E-05	2.93E-02	5.62E-01	2.47E-01	2.02E+00	1.84E+00	9.37E+00
1992	495611.06	3859401.99	1.11877	0.26795	0.67493	0.83356	1.72	2.563	0.2814	0.26795	7.80E+00	4.95E-01	7.03E-05	2.93E-02	5.39E-01	2.41E-01	1.99E+00	1.82E+00	9.28E+00
1993	495661.06	3859401.99	1.11174	0.26247	0.66645	0.83791	1.659	2.461	0.2801	0.26247	7.75E+00	4.85E-01	6.94E-05	2.95E-02	5.20E-01	2.31E-01	1.98E+00	1.78E+00	9.22E+00
1994	494311.06	3859451.99	1.33785	0.43302	1.1097	1.05856	2.169	2.205	0.4124	0.43302	9.33E+00	8.00E-01	1.16E-04	3.73E-02	6.80E-01	2.07E-01	2.92E+00	2.94E+00	1.10E+01
1995	494361.06	3859451.99	1.3266	0.42164	1.08689	1.03839	2.126	2.397	0.4104	0.42164	9.25E+00	7.79E-01	1.13E-04	3.65E-02	6.66E-01	2.25E-01	2.91E+00	2.87E+00	1.10E+01
1996	494411.06	3859451.99	1.31657	0.40081	1.04236	1.02046	1.968	2.638	0.3913	0.40081	9.18E+00	7.40E-01	1.09E-04	3.59E-02	6.17E-01	2.48E-01	2.77E+00	2.73E+00	1.09E+01
1997	494461.06	3859451.99	1.3048	0.39692	1.0219	1.01738	1.895	2.736	0.3896	0.39692	9.10E+00	7.33E-01	1.06E-04	3.58E-02	5.94E-01	2.57E-01	2.76E+00	2.70E+00	1.08E+01
1998	494511.06	3859451.99	1.29352	0.38653	0.99242	1	1.859	2.869	0.3841	0.38653	9.02E+00	7.14E-01	1.03E-04	3.52E-02	5.82E-01	2.70E-01	2.72E+00	2.63E+00	1.07E+01
1999	494561.06	3859451.99	1.28972	0.37908	0.96708	0.99008	1.825	3.042	0.3793	0.37908	8.99E+00	7.00E-01	1.01E-04	3.48E-02	5.72E-01	2.86E-01	2.69E+00	2.58E+00	1.07E+01
2000	494611.06	3859451.99	1.2856	0.37656	0.94932	0.98321	1.751	3.539	0.3777	0.37656	8.96E+00	6.95E-01	9.88E-05	3.46E-02	5.49E-01	3.33E-01	2.68E+00	2.56E+00	1.07E+01
2001	494661.06	3859451.99	1.27816	0.36693	0.93529	0.95627	1.652	3.758	0.3701	0.36693	8.91E+00	6.78E-01	9.74E-05	3.37E-02	5.17E-01	3.53E-01	2.62E+00	2.50E+00	1.06E+01
2002	494711.06	3859451.99	1.2651	0.35659	0.91581	0.92793	1.637	3.998	0.3626	0.35659	8.82E+00	6.59E-01	9.53E-05	3.27E-02	5.13E-01	3.76E-01	2.57E+00	2.42E+00	1.05E+01

2003	494761.06	3859451.99	1.25298	0.34687	0.89897	0.90836	1.621	4.365	0.3577	0.34687	8.74E+00	6.41E-01	9.36E-05	3.20E-02	5.08E-01	4.10E-01	2.53E+00	2.36E+00	1.05E+01
2004	494811.06	3859451.99	1.24011	0.33374	0.87681	0.8854	1.597	5.256	0.3497	0.33374	8.65E+00	6.16E-01	9.13E-05	3.12E-02	5.00E-01	4.94E-01	2.48E+00	2.27E+00	1.05E+01
2005	494861.06	3859451.99	1.22597	0.32815	0.84061	0.86592	1.603	5.183	0.3426	0.32815	8.55E+00	6.06E-01	8.75E-05	3.05E-02	5.02E-01	4.87E-01	2.43E+00	2.23E+00	1.04E+01
2006	494911.06	3859451.99	1.21573	0.31787	0.81973	0.85116	1.631	5.873	0.3389	0.31787	8.48E+00	5.87E-01	8.53E-05	3.00E-02	5.11E-01	5.52E-01	2.40E+00	2.16E+00	1.04E+01
2007	494961.06	3859451.99	1.21113	0.31463	0.81513	0.84083	1.658	5.252	0.3376	0.31463	8.44E+00	5.81E-01	8.49E-05	2.96E-02	5.19E-01	4.94E-01	2.39E+00	2.14E+00	1.03E+01
2008	495011.06	3859451.99	1.20883	0.31208	0.8085	0.83211	1.636	4.926	0.3362	0.31208	8.43E+00	5.76E-01	8.42E-05	2.93E-02	5.13E-01	4.63E-01	2.38E+00	2.12E+00	1.03E+01
2009	495061.06	3859451.99	1.20658	0.30968	0.79027	0.82452	1.626	4.494	0.3322	0.30968	8.41E+00	5.72E-01	8.23E-05	2.90E-02	5.10E-01	4.22E-01	2.35E+00	2.11E+00	1.02E+01
2010	495111.06	3859451.99	1.20388	0.30555	0.77116	0.81821	1.644	4.05	0.3273	0.30555	8.39E+00	5.64E-01	8.03E-05	2.88E-02	5.15E-01	3.81E-01	2.32E+00	2.08E+00	1.01E+01
2011	495161.06	3859451.99	1.19568	0.30429	0.75456	0.81567	1.673	3.558	0.3236	0.30429	8.34E+00	5.62E-01	7.86E-05	2.87E-02	5.24E-01	3.34E-01	2.29E+00	2.07E+00	1.00E+01
2012	495211.06	3859451.99	1.18571	0.30408	0.74395	0.81405	1.682	3.428	0.3199	0.30408	8.27E+00	5.62E-01	7.74E-05	2.87E-02	5.27E-01	3.22E-01	2.27E+00	2.07E+00	9.90E+00
2013	495261.06	3859451.99	1.1724	0.30338	0.73404	0.81203	1.709	3.15	0.3165	0.30338	8.17E+00	5.60E-01	7.64E-05	2.86E-02	5.35E-01	2.96E-01	2.24E+00	2.06E+00	9.77E+00
2014	495311.06	3859451.99	1.16265	0.30083	0.72343	0.81123	1.761	2.836	0.3116	0.30083	8.11E+00	5.56E-01	7.53E-05	2.86E-02	5.52E-01	2.67E-01	2.21E+00	2.05E+00	9.67E+00
2015	495361.06	3859451.99	1.1534	0.2984	0.72096	0.81182	1.826	2.663	0.3068	0.2984	8.04E+00	5.51E-01	7.51E-05	2.86E-02	5.72E-01	2.50E-01	2.17E+00	2.03E+00	9.59E+00
2016	495411.06	3859451.99	1.14348	0.29508	0.71768	0.81316	1.848	2.641	0.3026	0.29508	7.97E+00	5.45E-01	7.47E-05	2.86E-02	5.79E-01	2.48E-01	2.14E+00	2.01E+00	9.51E+00
2017	495461.06	3859451.99	1.13897	0.293	0.71511	0.81902	1.831	2.582	0.3009	0.293	7.94E+00	5.41E-01	7.44E-05	2.88E-02	5.74E-01	2.43E-01	2.13E+00	1.99E+00	9.47E+00
2018	495511.06	3859451.99	1.13277	0.28622	0.70213	0.81454	1.782	2.579	0.2958	0.28622	7.90E+00	5.29E-01	7.31E-05	2.87E-02	5.58E-01	2.42E-01	2.10E+00	1.95E+00	9.41E+00
2019	495561.06	3859451.99	1.12777	0.28279	0.69664	0.81749	1.77	2.475	0.2928	0.28279	7.86E+00	5.22E-01	7.25E-05	2.88E-02	5.55E-01	2.33E-01	2.07E+00	1.92E+00	9.35E+00
2020	495611.06	3859451.99	1.12145	0.2799	0.69114	0.82	1.739	2.31	0.2907	0.2799	7.82E+00	5.17E-01	7.20E-05	2.89E-02	5.45E-01	2.17E-01	2.06E+00	1.90E+00	9.28E+00
2021	495661.06	3859451.99	1.11452	0.27695	0.68316	0.82501	1.73	2.258	0.2884	0.27695	7.77E+00	5.12E-01	7.11E-05	2.90E-02	5.42E-01	2.12E-01	2.04E+00	1.88E+00	9.23E+00
2022	494311.06	3859501.99	1.35117	0.45279	1.10952	1.11647	2.148	2.265	0.4196	0.45279	9.42E+00	8.36E-01	1.16E-04	3.93E-02	6.73E-01	2.13E-01	2.97E+00	3.08E+00	1.11E+01
2023	494361.06	3859501.99	1.3437	0.44425	1.0867	1.07059	2.143	2.943	0.4118	0.44425	9.37E+00	8.20E-01	1.13E-04	3.77E-02	6.71E-01	2.77E-01	2.92E+00	3.02E+00	1.11E+01
2024	494411.06	3859501.99	1.33236	0.41903	1.04409	1.01257	2.115	3.3	0.3996	0.41903	9.29E+00	7.74E-01	1.09E-04	3.56E-02	6.63E-01	3.10E-01	2.83E+00	2.85E+00	1.11E+01
2025	494461.06	3859501.99	1.31743	0.42283	1.04413	1.02205	2.09	3.355	0.4015	0.42283	9.18E+00	7.81E-01	1.09E-04	3.60E-02	6.55E-01	3.15E-01	2.84E+00	2.88E+00	1.09E+01
2026	494511.06	3859501.99	1.30485	0.41117	1.02366	1.00657	2.031	4.143	0.3956	0.41117	9.10E+00	7.59E-01	1.07E-04	3.54E-02	6.36E-01	3.89E-01	2.80E+00	2.80E+00	1.09E+01
2027	494561.06	3859501.99	1.29384	0.40064	1.00858	1.0005	1.895	4.87	0.3907	0.40064	9.02E+00	7.40E-01	1.05E-04	3.52E-02	5.94E-01	4.58E-01	2.77E+00	2.72E+00	1.09E+01
2028	494611.06	3859501.99	1.28166	0.40574	1.002	1.00509	1.844	5.245	0.3926	0.40574	8.94E+00	7.49E-01	1.04E-04	3.54E-02	5.78E-01	4.93E-01	2.78E+00	2.76E+00	1.08E+01
2029	494661.06	3859501.99	1.27332	0.39159	0.97236	0.99594	1.809	5.445	0.3846	0.39159	8.88E+00	7.23E-01	1.01E-04	3.51E-02	5.67E-01	5.12E-01	2.73E+00	2.66E+00	1.08E+01
2030	494711.06	3859501.99	1.27188	0.37359	0.93967	0.97071	1.754	5.535	0.3747	0.37359	8.87E+00	6.90E-01	9.78E-05	3.42E-02	5.50E-01	5.20E-01	2.65E+00	2.54E+00	1.08E+01
2031	494761.06	3859501.99	1.26765	0.37377	0.92834	0.96608	1.672	6.194	0.3751	0.37377	8.84E+00	6.90E-01	9.66E-05	3.40E-02	5.24E-01	5.82E-01	2.66E+00	2.54E+00	1.08E+01
2032	494811.06	3859501.99	1.25334	0.35095	0.89438	0.9145	1.591	6.325	0.3595	0.35095	8.74E+00	6.48E-01	9.31E-05	3.22E-02	4.98E-01	5.95E-01	2.55E+00	2.39E+00	1.07E+01
2033	494861.06	3859501.99	1.24092	0.34304	0.87949	0.89439	1.579	7.149	0.3553	0.34304	8.65E+00	6.34E-01	9.16E-05	3.15E-02	4.95E-01	6.72E-01	2.52E+00	2.33E+00	1.07E+01
2034	494911.06	3859501.99	1.22865	0.33956	0.86379	0.88347	1.569	8.449	0.3539	0.33956	8.57E+00	6.27E-01	8.99E-05	3.11E-02	4.92E-01	7.94E-01	2.51E+00	2.31E+00	1.07E+01
2035	494961.06	3859501.99	1.21546	0.32964	0.84273	0.86572	1.55	7.041	0.3501	0.32964	8.47E+00	6.09E-01	8.77E-05	3.05E-02	4.86E-01	6.62E-01	2.48E+00	2.24E+00	1.05E+01
2036	495011.06	3859501.99	1.20745	0.32669	0.83412	0.86208	1.533	5.478	0.349	0.32669	8.42E+00	6.03E-01	8.68E-05	3.03E-02	4.80E-01	5.15E-01	2.47E+00	2.22E+00	1.03E+01
2037	495061.06	3859501.99	1.2053	0.32491	0.82925	0.85763	1.578	4.805	0.3474	0.32491	8.40E+00	6.00E-01	8.63E-05	3.02E-02	4.95E-01	4.52E-01	2.46E+00	2.21E+00	1.02E+01
2038	495111.06	3859501.99	1.19696	0.31845	0.82072	0.84043	1.597	4.225	0.3411	0.31845	8.34E+00	5.88E-01	8.54E-05	2.96E-02	5.00E-01	3.97E-01	2.42E+00	2.17E+00	1.01E+01
2039	495161.06	3859501.99	1.19289	0.31871	0.81812	0.83351	1.591	3.778	0.3369	0.31871	8.32E+00	5.89E-01	8.52E-05	2.93E-02	4.99E-01	3.55E-01	2.39E+00	2.17E+00	1.00E+01
2040	495211.06	3859501.99	1.18936	0.31977	0.82042	0.83154	1.582	3.572	0.3335	0.31977	8.29E+00	5.91E-01	8.54E-05	2.93E-02	4.96E-01	3.36E-01	2.36E+00	2.17E+00	9.93E+00
2041	495261.06	3859501.99	1.18113	0.32014	0.81907	0.82957	1.597	3.347	0.3295	0.32014	8.23E+00	5.91E-01	8.53E-05	2.92E-02	5.00E-01	3.15E-01	2.33E+00	2.18E+00	9.83E+00
2042	495311.06	3859501.99	1.17183	0.31715	0.8164	0.82813	1.634	3.117	0.3262	0.31715	8.17E+00	5.86E-01	8.50E-05	2.91E-02	5.12E-01	2.93E-01	2.31E+00	2.16E+00	9.74E+00
2043	495361.06	3859501.99	1.16281	0.31521	0.80414	0.82418	1.639	2.918	0.3214	0.31521	8.11E+00	5.82E-01	8.37E-05	2.90E-02	5.13E-01	2.74E-01	2.28E+00	2.14E+00	9.64E+00
2044	495411.06	3859501.99	1.1538	0.31336	0.78601	0.82051	1.647	2.752	0.3168	0.31336	8.04E+00	5.79E-01	8.18E-05	2.89E-02	5.16E-01	2.59E-01	2.24E+00	2.13E+00	9.54E+00
2045	495461.06	3859501.99	1.14357	0.31011	0.78008	0.81606	1.685	2.592	0.312	0.31011	7.97E+00	5.73E-01	8.12E-05	2.87E-02	5.28E-01	2.44E-01	2.21E+00	2.11E+00	9.45E+00
2046	495511.06	3859501.99	1.13332	0.29749	0.75068	0.80871	1.727	2.435	0.3039	0.29749	7.90E+00	5.49E-01	7.82E-05	2.85E-02	5.41E-01	2.29E-01	2.15E+00	2.02E+00	9.38E+00
2047	495561.06	3859501.99	1.12693	0.29878	0.75463	0.80912	1.779	2.297	0.305	0.29878	7.86E+00	5.52E-01	7.86E-05	2.85E-02	5.57E-01	2.16E-01	2.16E+00	2.03E+00	9.34E+00
2048	495611.06	3859501.99	1.12259	0.29437	0.74657	0.80767	1.789	2.201	0.3021	0.29437	7.83E+00	5.44E-01	7.77E-05	2.84E-02	5.61E-01	2.07E-01	2.14E+00	2.00E+00	9.31E+00
2049	495661.06	3859501.99	1.11686	0.28995	0.7359	0.80721	1.748	2.108	0.2988	0.28995	7.79E+00	5.36E-01	7.66E-05	2.84E-02	5.48E-01	1.98E-01	2.12E+00	1.97E+00	9.24E+00
2050	494311.06	3859551.99	1.3447	0.47148	1.18872	1.1618	2.111	2.603	0.4416	0.47148	9.37E+00	8.71E-01	1.24E-04	4.09E-02	6.61E-01	2.45E-01	3.13E+00	3.21E+00	1.11E+01
2051	494361.06	3859551.99	1.33997	0.45773	1.15773	1.08831	2.098	3.243	0.4227	0.45773	9.34E+00	8.45E-01	1.21E-04	3.83E-02	6.57E-01	3.05E-01	2.99E+00	3.11E+00	1.11E+01
2052	494411.06	3859551.99	1.33479	0.43657	1.11501	1.02713	2.077	4.652	0.4037	0.43657	9.31E+00	8.06E-01	1.16E-04	3.62E-02	6.51E-01	4.37E-01	2.86E+00	2.97E+00	1.11E+01
2053	494461.06	3859551.99	1.32207	0.44585	1.11263	1.04196	2.081	7.082	0.4148	0.44585	9.22E+00	8.23E-01	1.16E-04	3.67E-02	6.52E-01	6.66E-01	2.94E+00	3.03E+00	1.13E+01
2054	494511.06	3859551.99	1.31122	0.43372	1.0886	1.00947	2.078	11.61	0.4061	0.43372	9.14E+00	8.01E-01	1.13E-04	3.55E-02	6.51E-01	1.09E+00	2.88E+00	2.95E+00	1.16E+01
2055	494561.06	3859551.99	1.29633	0.42396	1.0688	0.99943	2.038	13	0.4002	0.42396	9.04E+00	7.83E-01	1.11E-04	3.52E-02	6.39E-01	1.22E+00	2.84E+00	2.88E+00	1.17E+01
2056	494611.06	3859551.99	1.28064	0.4216	1.05487	0.99722	2.024	13.99	0.3996	0.4216	8.93E+00	7.79E-01	1.10E-04	3.51E-02	6.34E-01	1.31E+00	2.83E+00	2.87E+00	1.17E+01
2057	494661.06	3859551.99	1.26558	0.4156	1.03764	0.99192	1.957	14.13	0.3971	0.4156	8.82E+00	7.68E-01	1.08E-04	3.49E-02	6.13E-01	1.33E+00	2.81E+00	2.83E+00	1.16E+01
2058	494711.06	3859551.99	1.25428	0.38797	0.97856	0.96816	1.828	14.26	0.3794	0.38797	8.74E+00	7.17E-01	1.02E-04	3.41E-02	5.73E-01	1.34E+00	2.69E+00	2.64E+00	1.15E+01
2059	494761.06	3859551.99	1.24181	0.3972	0.99198	0.97834	1.792	15.09	0.3874	0.3972	8.66E+00	7.34E-01	1.03E-04	3.44E-02	5.62E-01	1.42E+00	2.74E+00	2.70E+00	1.14E+01
2060	494811.06	3859551.99	1.24106	0.37858	0.94127	0.96042	1.756	15.48	0.3747	0.37858	8.65E+00	6.99E-01	9.80E-05	3.38E-02	5.50E-01	1.45E+00	2.66E+00	2.57E+00	1.15E+01
2061	494861.06	3859551.99	1.23845	0.37184	0.92002	0.95301	1.683	15.56	0.3712	0.37184	8.63E+00	6.87E-01	9.58E-05	3.35E-02	5.27E-01	1.46E+00	2.63E+00	2.53E+00	1.14E+01

2062	494911.06	3859551.99	1.23192	0.36327	0.89328	0.93758	1.586	10.06	0.3663	0.36327	8.59E+00	6.71E-01	9.30E-05	3.30E-02	4.97E-01	9.45E-01	2.60E+00	2.47E+00	1.09E+01
2063	494961.06	3859551.99	1.22407	0.36099	0.88215	0.92657	1.544	6.963	0.3651	0.36099	8.53E+00	6.67E-01	9.18E-05	3.26E-02	4.84E-01	6.54E-01	2.59E+00	2.45E+00	1.05E+01
2064	495011.06	3859551.99	1.21678	0.36017	0.87292	0.919	1.537	5.433	0.3647	0.36017	8.48E+00	6.65E-01	9.09E-05	3.23E-02	4.81E-01	5.11E-01	2.58E+00	2.45E+00	1.03E+01
2065	495061.06	3859551.99	1.20731	0.35554	0.85945	0.90334	1.529	4.609	0.3618	0.35554	8.42E+00	6.57E-01	8.95E-05	3.18E-02	4.79E-01	4.33E-01	2.56E+00	2.42E+00	1.02E+01
2066	495111.06	3859551.99	1.19743	0.34653	0.84413	0.8792	1.516	4.051	0.3567	0.34653	8.35E+00	6.40E-01	8.79E-05	3.09E-02	4.75E-01	3.81E-01	2.53E+00	2.36E+00	1.00E+01
2067	495161.06	3859551.99	1.19463	0.34714	0.83604	0.88047	1.49	3.653	0.3535	0.34714	8.33E+00	6.41E-01	8.70E-05	3.10E-02	4.67E-01	3.43E-01	2.50E+00	2.36E+00	9.96E+00
2068	495211.06	3859551.99	1.19172	0.34996	0.82588	0.88679	1.53	3.363	0.3509	0.34996	8.31E+00	6.46E-01	8.60E-05	3.12E-02	4.79E-01	3.16E-01	2.49E+00	2.38E+00	9.89E+00
2069	495261.06	3859551.99	1.18804	0.3434	0.81409	0.87228	1.551	3.01	0.3455	0.3434	8.28E+00	6.34E-01	8.48E-05	3.07E-02	4.86E-01	2.83E-01	2.45E+00	2.34E+00	9.83E+00
2070	495311.06	3859551.99	1.18548	0.34	0.81142	0.86013	1.559	2.671	0.3408	0.34	8.26E+00	6.28E-01	8.45E-05	3.03E-02	4.88E-01	2.51E-01	2.41E+00	2.31E+00	9.77E+00
2071	495361.06	3859551.99	1.18133	0.33846	0.80685	0.85213	1.545	2.54	0.3367	0.33846	8.24E+00	6.25E-01	8.40E-05	3.00E-02	4.84E-01	2.39E-01	2.39E+00	2.30E+00	9.70E+00
2072	495411.06	3859551.99	1.1719	0.33833	0.80326	0.84812	1.545	2.397	0.3332	0.33833	8.17E+00	6.25E-01	8.36E-05	2.99E-02	4.84E-01	2.25E-01	2.36E+00	2.30E+00	9.59E+00
2073	495461.06	3859551.99	1.16174	0.32932	0.78225	0.83242	1.571	2.289	0.3267	0.32932	8.10E+00	6.08E-01	8.14E-05	2.93E-02	4.92E-01	2.15E-01	2.31E+00	2.24E+00	9.52E+00
2074	495511.06	3859551.99	1.14375	0.31924	0.75965	0.81681	1.575	2.214	0.3196	0.31924	7.97E+00	5.90E-01	7.91E-05	2.87E-02	4.94E-01	2.08E-01	2.26E+00	2.17E+00	9.39E+00
2075	495561.06	3859551.99	1.13371	0.31595	0.75724	0.81389	1.577	2.168	0.3155	0.31595	7.90E+00	5.84E-01	7.88E-05	2.86E-02	4.94E-01	2.04E-01	2.24E+00	2.15E+00	9.30E+00
2076	495611.06	3859551.99	1.12406	0.31292	0.74479	0.81072	1.588	2.065	0.313	0.31292	7.84E+00	5.78E-01	7.75E-05	2.85E-02	4.98E-01	1.94E-01	2.22E+00	2.13E+00	9.22E+00
2077	495661.06	3859551.99	1.1146	0.30832	0.73794	0.8066	1.625	1.99	0.3092	0.30832	7.77E+00	5.69E-01	7.68E-05	2.84E-02	5.09E-01	1.87E-01	2.19E+00	2.10E+00	9.16E+00
2078	494311.06	3859601.99	1.33447	0.50291	1.15662	1.21859	1.883	3.081	0.4731	0.50291	9.30E+00	9.29E-01	1.20E-04	4.29E-02	5.90E-01	2.90E-01	3.35E+00	3.42E+00	1.11E+01
2079	494361.06	3859601.99	1.33376	0.47149	1.13292	1.12132	1.939	4.179	0.4366	0.47149	9.30E+00	8.71E-01	1.18E-04	3.95E-02	6.08E-01	3.93E-01	3.09E+00	3.21E+00	1.11E+01
2080	494411.06	3859601.99	1.32782	0.46148	1.11793	1.07986	1.939	7.04	0.423	0.46148	9.26E+00	8.52E-01	1.16E-04	3.80E-02	6.08E-01	6.62E-01	3.00E+00	3.14E+00	1.13E+01
2081	494461.06	3859601.99	1.3152	0.46415	1.11839	1.09675	1.994	6.711	0.4308	0.46415	9.17E+00	8.57E-01	1.16E-04	3.86E-02	6.25E-01	6.31E-01	3.05E+00	3.16E+00	1.12E+01
2082	494511.06	3859601.99	1.30935	0.4515	1.09918	1.0423	2.022	6.017	0.4162	0.4515	9.13E+00	8.34E-01	1.14E-04	3.67E-02	6.34E-01	5.66E-01	2.95E+00	3.07E+00	1.11E+01
2083	494561.06	3859601.99	1.298	0.45274	1.09447	1.04992	2.025	5.881	0.4196	0.45274	9.05E+00	8.36E-01	1.14E-04	3.70E-02	6.35E-01	5.53E-01	2.97E+00	3.08E+00	1.10E+01
2084	494611.06	3859601.99	1.28939	0.45023	1.0858	1.04125	2.026	5.922	0.4193	0.45023	8.99E+00	8.32E-01	1.13E-04	3.66E-02	6.35E-01	5.57E-01	2.97E+00	3.06E+00	1.10E+01
2085	494661.06	3859601.99	1.28008	0.42944	1.05988	0.99318	2.02	6.472	0.4051	0.42944	8.92E+00	7.93E-01	1.10E-04	3.50E-02	6.33E-01	6.08E-01	2.87E+00	2.92E+00	1.09E+01
2086	494711.06	3859601.99	1.26896	0.41123	1.03166	0.97804	1.932	7.059	0.3927	0.41123	8.85E+00	7.60E-01	1.07E-04	3.44E-02	6.05E-01	6.64E-01	2.78E+00	2.80E+00	1.09E+01
2087	494761.06	3859601.99	1.25363	0.42893	1.02822	0.99647	1.962	7.089	0.4053	0.42893	8.74E+00	7.92E-01	1.07E-04	3.51E-02	6.15E-01	6.66E-01	2.87E+00	2.92E+00	1.08E+01
2088	494811.06	3859601.99	1.24251	0.40626	1.00017	0.97822	1.859	6.978	0.3914	0.40626	8.66E+00	7.50E-01	1.04E-04	3.44E-02	5.82E-01	6.56E-01	2.77E+00	2.76E+00	1.07E+01
2089	494861.06	3859601.99	1.23115	0.40285	0.98177	0.97579	1.782	6.581	0.3882	0.40285	8.58E+00	7.44E-01	1.02E-04	3.43E-02	5.58E-01	6.19E-01	2.75E+00	2.74E+00	1.05E+01
2090	494911.06	3859601.99	1.22314	0.38758	0.95208	0.95946	1.742	6.167	0.3782	0.38758	8.53E+00	7.16E-01	9.91E-05	3.38E-02	5.46E-01	5.80E-01	2.68E+00	2.64E+00	1.04E+01
2091	494961.06	3859601.99	1.21712	0.39059	0.94071	0.97476	1.715	5.685	0.3842	0.39059	8.49E+00	7.21E-01	9.79E-05	3.43E-02	5.37E-01	5.34E-01	2.72E+00	2.66E+00	1.04E+01
2092	495011.06	3859601.99	1.21914	0.37746	0.90793	0.94584	1.635	5.308	0.3749	0.37746	8.50E+00	6.97E-01	9.45E-05	3.33E-02	5.12E-01	4.99E-01	2.66E+00	2.57E+00	1.03E+01
2093	495061.06	3859601.99	1.21227	0.37704	0.8937	0.95054	1.558	4.873	0.3771	0.37704	8.45E+00	6.96E-01	9.30E-05	3.35E-02	4.88E-01	4.58E-01	2.67E+00	2.56E+00	1.02E+01
2094	495111.06	3859601.99	1.20664	0.36867	0.87404	0.93772	1.502	4.314	0.3719	0.36867	8.41E+00	6.81E-01	9.10E-05	3.30E-02	4.71E-01	4.05E-01	2.64E+00	2.51E+00	1.01E+01
2095	495161.06	3859601.99	1.20055	0.36801	0.86526	0.93143	1.496	3.94	0.3704	0.36801	8.37E+00	6.80E-01	9.01E-05	3.28E-02	4.69E-01	3.70E-01	2.62E+00	2.50E+00	1.00E+01
2096	495211.06	3859601.99	1.19342	0.36456	0.8504	0.9194	1.49	3.656	0.3664	0.36456	8.32E+00	6.73E-01	8.85E-05	3.24E-02	4.67E-01	3.44E-01	2.60E+00	2.48E+00	9.95E+00
2097	495261.06	3859601.99	1.18747	0.36309	0.8377	0.90994	1.482	3.315	0.3631	0.36309	8.28E+00	6.71E-01	8.72E-05	3.20E-02	4.65E-01	3.12E-01	2.57E+00	2.47E+00	9.86E+00
2098	495311.06	3859601.99	1.18407	0.36217	0.82955	0.90816	1.457	3.036	0.3599	0.36217	8.25E+00	6.69E-01	8.64E-05	3.20E-02	4.57E-01	2.85E-01	2.55E+00	2.46E+00	9.79E+00
2099	495361.06	3859601.99	1.17944	0.35854	0.81133	0.90324	1.476	2.823	0.3552	0.35854	8.22E+00	6.62E-01	8.45E-05	3.18E-02	4.62E-01	2.65E-01	2.52E+00	2.44E+00	9.72E+00
2100	495411.06	3859601.99	1.17707	0.35669	0.79729	0.90182	1.503	2.664	0.3515	0.35669	8.21E+00	6.59E-01	8.30E-05	3.17E-02	4.71E-01	2.50E-01	2.49E+00	2.43E+00	9.68E+00
2101	495461.06	3859601.99	1.17269	0.34718	0.77613	0.88353	1.51	2.503	0.3434	0.34718	8.18E+00	6.41E-01	8.08E-05	3.11E-02	4.73E-01	2.35E-01	2.43E+00	2.36E+00	9.63E+00
2102	495511.06	3859601.99	1.16374	0.33951	0.76047	0.85825	1.487	2.341	0.336	0.33951	8.11E+00	6.27E-01	7.92E-05	3.02E-02	4.66E-01	2.20E-01	2.38E+00	2.31E+00	9.53E+00
2103	495561.06	3859601.99	1.15309	0.33936	0.74795	0.85907	1.487	2.235	0.3332	0.33936	8.04E+00	6.27E-01	7.79E-05	3.02E-02	4.66E-01	2.10E-01	2.36E+00	2.31E+00	9.42E+00
2104	495611.06	3859601.99	1.13976	0.33094	0.72908	0.82954	1.503	2.107	0.3246	0.33094	7.95E+00	6.11E-01	7.59E-05	2.92E-02	4.71E-01	1.98E-01	2.30E+00	2.25E+00	9.31E+00
2105	495661.06	3859601.99	1.12896	0.32874	0.72219	0.82603	1.523	1.986	0.3221	0.32874	7.87E+00	6.07E-01	7.52E-05	2.91E-02	4.77E-01	1.87E-01	2.28E+00	2.24E+00	9.22E+00
2106	494311.06	3859651.99	1.32745	0.52004	1.13538	1.21715	1.664	3.096	0.4916	0.52004	9.25E+00	9.60E-01	1.18E-04	4.28E-02	5.21E-01	2.91E-01	3.48E+00	3.54E+00	1.10E+01
2107	494361.06	3859651.99	1.32753	0.4866	1.10944	1.13843	1.697	4.268	0.4607	0.4866	9.26E+00	8.99E-01	1.15E-04	4.01E-02	5.32E-01	4.01E-01	3.26E+00	3.31E+00	1.11E+01
2108	494411.06	3859651.99	1.31874	0.47998	1.0921	1.11778	1.768	6.206	0.4532	0.47998	9.19E+00	8.86E-01	1.14E-04	3.93E-02	5.54E-01	5.83E-01	3.21E+00	3.26E+00	1.12E+01
2109	494461.06	3859651.99	1.30563	0.4839	1.08581	1.14344	1.835	5.939	0.4604	0.4839	9.10E+00	8.94E-01	1.13E-04	4.02E-02	5.75E-01	5.58E-01	3.26E+00	3.29E+00	1.11E+01
2110	494511.06	3859651.99	1.29739	0.4748	1.07574	1.12353	1.895	5.176	0.4515	0.4748	9.05E+00	8.77E-01	1.12E-04	3.95E-02	5.94E-01	4.87E-01	3.20E+00	3.23E+00	1.10E+01
2111	494561.06	3859651.99	1.28736	0.47122	1.07518	1.11125	1.885	4.842	0.4487	0.47122	8.98E+00	8.70E-01	1.12E-04	3.91E-02	5.91E-01	4.55E-01	3.18E+00	3.20E+00	1.09E+01
2112	494611.06	3859651.99	1.27769	0.46716	1.06634	1.10168	1.939	4.596	0.4452	0.46716	8.91E+00	8.63E-01	1.11E-04	3.88E-02	6.08E-01	4.32E-01	3.15E+00	3.18E+00	1.08E+01
2113	494661.06	3859651.99	1.27406	0.45086	1.04332	1.04084	1.968	4.261	0.4192	0.45086	8.88E+00	8.33E-01	1.09E-04	3.66E-02	6.17E-01	4.01E-01	2.97E+00	3.07E+00	1.07E+01
2114	494711.06	3859651.99	1.26769	0.44753	1.03572	1.03137	1.971	4.445	0.4178	0.44753	8.84E+00	8.27E-01	1.08E-04	3.63E-02	6.17E-01	4.18E-01	2.96E+00	3.04E+00	1.07E+01
2115	494761.06	3859651.99	1.2604	0.44852	1.02977	1.03407	1.97	4.402	0.4214	0.44852	8.79E+00	8.28E-01	1.07E-04	3.64E-02	6.17E-01	4.14E-01	2.99E+00	3.05E+00	1.06E+01
2116	494811.06	3859651.99	1.25028	0.43623	1.01544	1.01385	1.962	3.658	0.4132	0.43623	8.72E+00	8.06E-01	1.06E-04	3.57E-02	6.15E-01	3.44E-01	2.93E+00	2.97E+00	1.05E+01
2117	494861.06	3859651.99	1.23884	0.43018	1.0052	1.00429	1.889	3.905	0.4115	0.43018	8.64E+00	7.95E-01	1.05E-04	3.53E-02	5.92E-01	3.67E-01	2.92E+00	2.93E+00	1.04E+01
2118	494911.06	3859651.99	1.2281	0.42314	0.99108	0.9871	1.891	3.799	0.4049	0.42314	8.56E+00	7.82E-01	1.03E-04	3.47E-02	5.92E-01	3.57E-01	2.87E+00	2.88E+00	1.03E+01
2119	494961.06	3859651.99	1.21738	0.4171	0.9816	0.984	1.806	3.883	0.4027	0.4171	8.49E+00	7.70E-01	1.02E-04	3.46E-02	5.66E-01	3.65E-01	2.85E+00	2.84E+00	1.02E+01
2120	495011.06	3859651.99	1.20867	0.40946	0.96547	0.97841	1.735	3.758	0.3983	0.40946	8.43E+00	7.56E-01	1.01E-04	3.44E-02	5.44E-01	3.53E-01	2.82E+00	2.78E+00	1.02E+01

2121	495061.06	3859651.99	1.20125	0.40521	0.94935	0.97785	1.701	3.772	0.3967	0.40521	8.37E+00	7.48E-01	9.88E-05	3.44E-02	5.33E-01	3.55E-01	2.81E+00	2.76E+00	1.01E+01
2122	495111.06	3859651.99	1.19886	0.39635	0.92998	0.97109	1.672	3.684	0.3895	0.39635	8.36E+00	7.32E-01	9.68E-05	3.42E-02	5.24E-01	3.46E-01	2.76E+00	2.70E+00	1.01E+01
2123	495161.06	3859651.99	1.19732	0.39075	0.91221	0.96414	1.614	3.469	0.3876	0.39075	8.35E+00	7.22E-01	9.50E-05	3.39E-02	5.06E-01	3.26E-01	2.75E+00	2.66E+00	1.00E+01
2124	495211.06	3859651.99	1.18998	0.38807	0.89522	0.96048	1.53	3.182	0.3821	0.38807	8.30E+00	7.17E-01	9.32E-05	3.38E-02	4.79E-01	2.99E-01	2.71E+00	2.64E+00	9.89E+00
2125	495261.06	3859651.99	1.18327	0.38367	0.87662	0.95783	1.467	3.013	0.3779	0.38367	8.25E+00	7.09E-01	9.13E-05	3.37E-02	4.60E-01	2.83E-01	2.68E+00	2.61E+00	9.80E+00
2126	495311.06	3859651.99	1.17616	0.38084	0.8584	0.94952	1.459	2.95	0.3731	0.38084	8.20E+00	7.03E-01	8.94E-05	3.34E-02	4.57E-01	2.77E-01	2.64E+00	2.59E+00	9.72E+00
2127	495361.06	3859651.99	1.16863	0.37889	0.83984	0.93966	1.454	2.763	0.3694	0.37889	8.15E+00	7.00E-01	8.74E-05	3.31E-02	4.55E-01	2.60E-01	2.62E+00	2.58E+00	9.64E+00
2128	495411.06	3859651.99	1.1674	0.37563	0.82272	0.92664	1.447	2.587	0.365	0.37563	8.14E+00	6.94E-01	8.57E-05	3.26E-02	4.53E-01	2.43E-01	2.59E+00	2.55E+00	9.59E+00
2129	495461.06	3859651.99	1.16752	0.36476	0.80571	0.90295	1.424	2.462	0.3575	0.36476	8.14E+00	6.74E-01	8.39E-05	3.18E-02	4.46E-01	2.31E-01	2.53E+00	2.48E+00	9.58E+00
2130	495511.06	3859651.99	1.16396	0.35795	0.79142	0.89121	1.403	2.357	0.3511	0.35795	8.11E+00	6.61E-01	8.24E-05	3.14E-02	4.40E-01	2.22E-01	2.49E+00	2.43E+00	9.52E+00
2131	495561.06	3859651.99	1.16022	0.35617	0.78544	0.8879	1.44	2.251	0.347	0.35617	8.09E+00	6.58E-01	8.18E-05	3.13E-02	4.51E-01	2.12E-01	2.46E+00	2.42E+00	9.48E+00
2132	495611.06	3859651.99	1.15227	0.35174	0.76972	0.88276	1.458	2.141	0.3419	0.35174	8.03E+00	6.50E-01	8.01E-05	3.11E-02	4.57E-01	2.01E-01	2.42E+00	2.39E+00	9.40E+00
2133	495661.06	3859651.99	1.14085	0.34605	0.75286	0.87315	1.439	2.064	0.3363	0.34605	7.95E+00	6.39E-01	7.84E-05	3.07E-02	4.51E-01	1.94E-01	2.38E+00	2.35E+00	9.30E+00
2134	494311.06	3859701.99	1.32062	0.50789	1.10349	1.19353	1.753	3.251	0.4842	0.50789	9.21E+00	9.38E-01	1.15E-04	4.20E-02	5.49E-01	3.06E-01	3.43E+00	3.45E+00	1.10E+01
2135	494361.06	3859701.99	1.31504	0.49962	1.09844	1.17528	1.699	3.798	0.4775	0.49962	9.17E+00	9.23E-01	1.14E-04	4.14E-02	5.32E-01	3.57E-01	3.38E+00	3.40E+00	1.10E+01
2136	494411.06	3859701.99	1.30559	0.4984	1.09481	1.17131	1.618	5.977	0.4746	0.4984	9.10E+00	9.21E-01	1.14E-04	4.12E-02	5.07E-01	5.62E-01	3.36E+00	3.39E+00	1.11E+01
2137	494461.06	3859701.99	1.29271	0.51394	1.10365	1.19034	1.602	5.419	0.4812	0.51394	9.01E+00	9.49E-01	1.15E-04	4.19E-02	5.02E-01	5.09E-01	3.41E+00	3.49E+00	1.09E+01
2138	494511.06	3859701.99	1.28572	0.50511	1.08509	1.17046	1.671	5.053	0.476	0.50511	8.96E+00	9.33E-01	1.13E-04	4.12E-02	5.24E-01	4.75E-01	3.37E+00	3.43E+00	1.09E+01
2139	494561.06	3859701.99	1.27668	0.50248	1.07394	1.15673	1.739	4.557	0.4734	0.50248	8.90E+00	9.28E-01	1.12E-04	4.07E-02	5.45E-01	4.28E-01	3.35E+00	3.42E+00	1.08E+01
2140	494611.06	3859701.99	1.26921	0.49768	1.06391	1.1479	1.796	4.22	0.4702	0.49768	8.85E+00	9.19E-01	1.11E-04	4.04E-02	5.63E-01	3.97E-01	3.33E+00	3.38E+00	1.07E+01
2141	494661.06	3859701.99	1.26893	0.46861	1.01233	1.09448	1.838	3.787	0.4472	0.46861	8.85E+00	8.65E-01	1.05E-04	3.85E-02	5.76E-01	3.56E-01	3.17E+00	3.19E+00	1.07E+01
2142	494711.06	3859701.99	1.26069	0.46903	1.01208	1.10487	1.818	3.724	0.4479	0.46903	8.79E+00	8.66E-01	1.05E-04	3.89E-02	5.70E-01	3.50E-01	3.17E+00	3.19E+00	1.06E+01
2143	494761.06	3859701.99	1.25543	0.462	1.0019	1.08205	1.846	3.41	0.4425	0.462	8.75E+00	8.53E-01	1.04E-04	3.81E-02	5.78E-01	3.21E-01	3.14E+00	3.14E+00	1.05E+01
2144	494811.06	3859701.99	1.24877	0.4562	0.99201	1.05861	1.916	3.013	0.4335	0.4562	8.71E+00	8.43E-01	1.03E-04	3.73E-02	6.00E-01	2.83E-01	3.07E+00	3.10E+00	1.04E+01
2145	494861.06	3859701.99	1.23847	0.45647	0.99695	1.07071	1.922	3.057	0.4381	0.45647	8.63E+00	8.43E-01	1.04E-04	3.77E-02	6.02E-01	2.87E-01	3.10E+00	3.10E+00	1.04E+01
2146	494911.06	3859701.99	1.22835	0.45024	0.97778	1.05613	1.916	2.776	0.4298	0.45024	8.56E+00	8.32E-01	1.02E-04	3.72E-02	6.00E-01	2.61E-01	3.05E+00	3.06E+00	1.03E+01
2147	494961.06	3859701.99	1.21839	0.44387	0.96249	1.04252	1.904	2.831	0.4246	0.44387	8.49E+00	8.20E-01	1.00E-04	3.67E-02	5.97E-01	2.66E-01	3.01E+00	3.02E+00	1.02E+01
2148	495011.06	3859701.99	1.20888	0.44037	0.95693	1.03776	1.832	2.829	0.4238	0.44037	8.43E+00	8.13E-01	9.96E-05	3.65E-02	5.74E-01	2.66E-01	3.00E+00	2.99E+00	1.01E+01
2149	495061.06	3859701.99	1.20014	0.43569	0.94794	1.02113	1.842	2.815	0.4202	0.43569	8.37E+00	8.05E-01	9.87E-05	3.59E-02	5.77E-01	2.65E-01	2.98E+00	2.96E+00	1.01E+01
2150	495111.06	3859701.99	1.19071	0.42878	0.93623	1.00421	1.759	2.846	0.4158	0.42878	8.30E+00	7.92E-01	9.75E-05	3.53E-02	5.51E-01	2.68E-01	2.95E+00	2.92E+00	9.98E+00
2151	495161.06	3859701.99	1.18045	0.41929	0.91958	0.98407	1.691	2.807	0.4065	0.41929	8.23E+00	7.74E-01	9.57E-05	3.46E-02	5.30E-01	2.64E-01	2.88E+00	2.85E+00	9.86E+00
2152	495211.06	3859701.99	1.17498	0.41058	0.90255	0.96983	1.658	2.766	0.4	0.41058	8.19E+00	7.58E-01	9.40E-05	3.41E-02	5.20E-01	2.60E-01	2.83E+00	2.79E+00	9.81E+00
2153	495261.06	3859701.99	1.17308	0.41116	0.89738	0.97629	1.631	2.671	0.4002	0.41116	8.18E+00	7.59E-01	9.34E-05	3.44E-02	5.11E-01	2.51E-01	2.84E+00	2.80E+00	9.77E+00
2154	495311.06	3859701.99	1.17382	0.40467	0.88167	0.9677	1.581	2.64	0.393	0.40467	8.18E+00	7.47E-01	9.18E-05	3.41E-02	4.95E-01	2.48E-01	2.78E+00	2.75E+00	9.74E+00
2155	495361.06	3859701.99	1.16747	0.39897	0.86915	0.96072	1.494	2.563	0.3862	0.39897	8.14E+00	7.37E-01	9.05E-05	3.38E-02	4.68E-01	2.41E-01	2.74E+00	2.71E+00	9.64E+00
2156	495411.06	3859701.99	1.16148	0.3901	0.8528	0.94833	1.428	2.437	0.3761	0.3901	8.10E+00	7.20E-01	8.88E-05	3.34E-02	4.47E-01	2.29E-01	2.66E+00	2.65E+00	9.54E+00
2157	495461.06	3859701.99	1.1548	0.38424	0.83714	0.93818	1.419	2.358	0.3686	0.38424	8.05E+00	7.10E-01	8.72E-05	3.30E-02	4.45E-01	2.22E-01	2.61E+00	2.61E+00	9.46E+00
2158	495511.06	3859701.99	1.15426	0.37247	0.81339	0.91139	1.41	2.222	0.3593	0.37247	8.05E+00	6.88E-01	8.47E-05	3.21E-02	4.42E-01	2.09E-01	2.55E+00	2.53E+00	9.43E+00
2159	495561.06	3859701.99	1.15092	0.37518	0.80528	0.91832	1.407	2.115	0.357	0.37518	8.02E+00	6.93E-01	8.38E-05	3.23E-02	4.41E-01	1.99E-01	2.53E+00	2.55E+00	9.37E+00
2160	495611.06	3859701.99	1.14978	0.37141	0.79439	0.90679	1.39	2.061	0.3519	0.37141	8.02E+00	6.86E-01	8.27E-05	3.19E-02	4.36E-01	1.94E-01	2.49E+00	2.53E+00	9.33E+00
2161	495661.06	3859701.99	1.14854	0.3659	0.77855	0.89466	1.363	1.993	0.3464	0.3659	8.01E+00	6.76E-01	8.11E-05	3.15E-02	4.27E-01	1.87E-01	2.45E+00	2.49E+00	9.30E+00
2162	494311.06	3859751.99	1.29868	0.55885	1.07963	1.25076	1.678	3.039	0.5111	0.55885	9.05E+00	1.03E+00	1.12E-04	4.40E-02	5.26E-01	2.86E-01	3.62E+00	3.80E+00	1.08E+01
2163	494361.06	3859751.99	1.2896	0.54394	1.07457	1.24021	1.694	3.904	0.5043	0.54394	8.99E+00	1.00E+00	1.12E-04	4.37E-02	5.31E-01	3.67E-01	3.57E+00	3.70E+00	1.08E+01
2164	494411.06	3859751.99	1.28195	0.5301	1.06994	1.22323	1.708	5.538	0.4951	0.5301	8.94E+00	9.79E-01	1.11E-04	4.31E-02	5.35E-01	5.21E-01	3.51E+00	3.60E+00	1.09E+01
2165	494461.06	3859751.99	1.26503	0.54049	1.07654	1.23136	1.695	5.079	0.499	0.54049	8.82E+00	9.98E-01	1.12E-04	4.33E-02	5.31E-01	4.77E-01	3.54E+00	3.68E+00	1.07E+01
2166	494511.06	3859751.99	1.25217	0.54371	1.07115	1.22572	1.631	5.012	0.4992	0.54371	8.73E+00	1.00E+00	1.12E-04	4.31E-02	5.11E-01	4.71E-01	3.54E+00	3.70E+00	1.06E+01
2167	494561.06	3859751.99	1.24441	0.53477	1.04805	1.20974	1.564	4.436	0.4934	0.53477	8.68E+00	9.88E-01	1.09E-04	4.26E-02	4.90E-01	4.17E-01	3.50E+00	3.64E+00	1.05E+01
2168	494611.06	3859751.99	1.23841	0.52005	1.02431	1.18707	1.571	4.145	0.4845	0.52005	8.63E+00	9.60E-01	1.07E-04	4.18E-02	4.92E-01	3.90E-01	3.43E+00	3.54E+00	1.04E+01
2169	494661.06	3859751.99	1.23844	0.49164	0.99626	1.14245	1.627	3.75	0.4679	0.49164	8.63E+00	9.08E-01	1.04E-04	4.02E-02	5.10E-01	3.52E-01	3.32E+00	3.34E+00	1.04E+01
2170	494711.06	3859751.99	1.23207	0.49659	1.00106	1.13745	1.699	3.556	0.4694	0.49659	8.59E+00	9.17E-01	1.04E-04	4.00E-02	5.32E-01	3.34E-01	3.33E+00	3.38E+00	1.04E+01
2171	494761.06	3859751.99	1.22692	0.49382	0.99708	1.13177	1.755	3.295	0.4661	0.49382	8.55E+00	9.12E-01	1.04E-04	3.98E-02	5.50E-01	3.10E-01	3.30E+00	3.36E+00	1.03E+01
2172	494811.06	3859751.99	1.2238	0.48291	0.9846	1.11989	1.786	2.964	0.4588	0.48291	8.53E+00	8.92E-01	1.03E-04	3.94E-02	5.60E-01	2.79E-01	3.25E+00	3.28E+00	1.03E+01
2173	494861.06	3859751.99	1.21928	0.47872	0.97138	1.12024	1.763	2.888	0.4553	0.47872	8.50E+00	8.84E-01	1.01E-04	3.94E-02	5.53E-01	2.71E-01	3.23E+00	3.26E+00	1.02E+01
2174	494911.06	3859751.99	1.21496	0.47503	0.96245	1.11449	1.823	2.678	0.4515	0.47503	8.47E+00	8.77E-01	1.00E-04	3.92E-02	5.71E-01	2.52E-01	3.20E+00	3.23E+00	1.02E+01
2175	494961.06	3859751.99	1.21067	0.47153	0.96219	1.10664	1.872	2.675	0.4477	0.47153	8.44E+00	8.71E-01	1.00E-04	3.89E-02	5.87E-01	2.51E-01	3.17E+00	3.21E+00	1.02E+01
2176	495011.06	3859751.99	1.20655	0.46618	0.96122	1.09641	1.875	2.59	0.4423	0.46618	8.41E+00	8.61E-01	1.00E-04	3.86E-02	5.87E-01	2.43E-01	3.13E+00	3.17E+00	1.01E+01
2177	495061.06	3859751.99	1.19711	0.46197	0.9653	1.09521	1.867	2.525	0.4405	0.46197	8.35E+00	8.53E-01	1.00E-04	3.85E-02	5.85E-01	2.37E-01	3.12E+00	3.14E+00	1.00E+01
2178	495111.06	3859751.99	1.18863	0.45537	0.9601	1.08709	1.86	2.488	0.4383	0.45537	8.29E+00	8.41E-01	1.00E-04	3.83E-02	5.83E-01	2.34E-01	3.11E+00	3.10E+00	9.99E+00
2179	495161.06	3859751.99	1.18045	0.44743	0.95202	1.07082	1.782	2.44	0.4336	0.44743	8.23E+00	8.26E-01	9.91E-05	3.77E-02	5.58E-01	2.29E-01	3.07E+00	3.04E+00	9.91E+00

2180	495211.06	3859751.99	1.17243	0.43921	0.94228	1.05094	1.79	2.446	0.4264	0.43921	8.17E+00	8.11E-01	9.81E-05	3.70E-02	5.61E-01	2.30E-01	3.02E+00	2.99E+00	9.85E+00
2181	495261.06	3859751.99	1.16376	0.4361	0.93419	1.04169	1.716	2.377	0.4222	0.4361	8.11E+00	8.05E-01	9.73E-05	3.67E-02	5.38E-01	2.23E-01	2.99E+00	2.97E+00	9.74E+00
2182	495311.06	3859751.99	1.15543	0.43087	0.92116	1.0222	1.649	2.364	0.4171	0.43087	8.06E+00	7.96E-01	9.59E-05	3.60E-02	5.17E-01	2.22E-01	2.96E+00	2.93E+00	9.65E+00
2183	495361.06	3859751.99	1.15143	0.42573	0.90491	1.00546	1.616	2.341	0.4116	0.42573	8.03E+00	7.86E-01	9.42E-05	3.54E-02	5.06E-01	2.20E-01	2.92E+00	2.89E+00	9.60E+00
2184	495411.06	3859751.99	1.15224	0.41855	0.88846	0.99206	1.586	2.272	0.4064	0.41855	8.03E+00	7.73E-01	9.25E-05	3.49E-02	4.97E-01	2.14E-01	2.88E+00	2.85E+00	9.59E+00
2185	495461.06	3859751.99	1.15088	0.40754	0.86781	0.97002	1.532	2.224	0.3922	0.40754	8.02E+00	7.53E-01	9.03E-05	3.41E-02	4.80E-01	2.09E-01	2.78E+00	2.77E+00	9.51E+00
2186	495511.06	3859751.99	1.14505	0.39872	0.84872	0.9635	1.442	2.164	0.3805	0.39872	7.98E+00	7.36E-01	8.84E-05	3.39E-02	4.52E-01	2.03E-01	2.70E+00	2.71E+00	9.39E+00
2187	495561.06	3859751.99	1.13815	0.39398	0.8353	0.95812	1.388	2.105	0.3755	0.39398	7.93E+00	7.28E-01	8.70E-05	3.37E-02	4.35E-01	1.98E-01	2.66E+00	2.68E+00	9.31E+00
2188	495611.06	3859751.99	1.13335	0.38939	0.82164	0.95098	1.381	2.044	0.37	0.38939	7.90E+00	7.19E-01	8.55E-05	3.35E-02	4.33E-01	1.92E-01	2.62E+00	2.65E+00	9.25E+00
2189	495661.06	3859751.99	1.1315	0.387	0.81442	0.94195	1.376	1.984	0.3677	0.387	7.89E+00	7.15E-01	8.48E-05	3.32E-02	4.31E-01	1.86E-01	2.61E+00	2.63E+00	9.23E+00
2190	494311.06	3859801.99	1.25479	0.60134	1.0828	1.31308	1.528	2.927	0.5516	0.60134	8.75E+00	1.11E+00	1.13E-04	4.62E-02	4.79E-01	2.75E-01	3.91E+00	4.09E+00	1.05E+01
2191	494361.06	3859801.99	1.25114	0.58166	1.05907	1.2756	1.541	3.926	0.5369	0.58166	8.72E+00	1.07E+00	1.10E-04	4.49E-02	4.83E-01	3.69E-01	3.80E+00	3.96E+00	1.05E+01
2192	494411.06	3859801.99	1.24993	0.5593	1.03362	1.24408	1.594	5.439	0.5225	0.5593	8.71E+00	1.03E+00	1.08E-04	4.38E-02	5.00E-01	5.11E-01	3.70E+00	3.80E+00	1.07E+01
2193	494461.06	3859801.99	1.24001	0.56319	1.03781	1.26595	1.634	4.864	0.5267	0.56319	8.64E+00	1.04E+00	1.08E-04	4.46E-02	5.12E-01	4.57E-01	3.73E+00	3.83E+00	1.06E+01
2194	494511.06	3859801.99	1.22938	0.5704	1.0541	1.29206	1.644	4.858	0.5324	0.5704	8.57E+00	1.05E+00	1.10E-04	4.55E-02	5.15E-01	4.57E-01	3.77E+00	3.88E+00	1.05E+01
2195	494561.06	3859801.99	1.22499	0.56202	1.0568	1.27193	1.647	4.42	0.5252	0.56202	8.54E+00	1.04E+00	1.10E-04	4.48E-02	5.16E-01	4.15E-01	3.72E+00	3.82E+00	1.05E+01
2196	494611.06	3859801.99	1.2261	0.53871	1.03883	1.21816	1.637	4.089	0.5066	0.53871	8.55E+00	9.95E-01	1.08E-04	4.29E-02	5.13E-01	3.84E-01	3.59E+00	3.66E+00	1.04E+01
2197	494661.06	3859801.99	1.22248	0.52845	1.03155	1.19079	1.552	3.793	0.4983	0.52845	8.52E+00	9.76E-01	1.07E-04	4.19E-02	4.86E-01	3.57E-01	3.53E+00	3.59E+00	1.03E+01
2198	494711.06	3859801.99	1.22014	0.51461	1.01311	1.15784	1.503	3.316	0.4879	0.51461	8.51E+00	9.50E-01	1.05E-04	4.08E-02	4.71E-01	3.12E-01	3.46E+00	3.50E+00	1.02E+01
2199	494761.06	3859801.99	1.21105	0.52112	1.00835	1.16844	1.542	3.367	0.4921	0.52112	8.44E+00	9.62E-01	1.05E-04	4.11E-02	4.83E-01	3.16E-01	3.49E+00	3.54E+00	1.02E+01
2200	494811.06	3859801.99	1.20754	0.51154	0.99662	1.1498	1.604	3.031	0.4848	0.51154	8.42E+00	9.45E-01	1.04E-04	4.05E-02	5.03E-01	2.85E-01	3.44E+00	3.48E+00	1.01E+01
2201	494861.06	3859801.99	1.20246	0.50715	0.98752	1.14298	1.666	2.975	0.4807	0.50715	8.38E+00	9.37E-01	1.03E-04	4.02E-02	5.22E-01	2.80E-01	3.41E+00	3.45E+00	1.01E+01
2202	494911.06	3859801.99	1.19954	0.4959	0.98194	1.12427	1.717	2.841	0.4734	0.4959	8.36E+00	9.16E-01	1.02E-04	3.96E-02	5.38E-01	2.67E-01	3.35E+00	3.37E+00	1.01E+01
2203	494961.06	3859801.99	1.19516	0.48977	0.97769	1.12196	1.735	2.765	0.4686	0.48977	8.33E+00	9.05E-01	1.02E-04	3.95E-02	5.44E-01	2.60E-01	3.32E+00	3.33E+00	1.01E+01
2204	495011.06	3859801.99	1.19111	0.48466	0.97077	1.11801	1.726	2.707	0.4631	0.48466	8.30E+00	8.95E-01	1.01E-04	3.93E-02	5.41E-01	2.54E-01	3.28E+00	3.30E+00	1.00E+01
2205	495061.06	3859801.99	1.18635	0.48151	0.95902	1.11668	1.796	2.615	0.4588	0.48151	8.27E+00	8.89E-01	9.98E-05	3.93E-02	5.63E-01	2.46E-01	3.25E+00	3.27E+00	9.98E+00
2206	495111.06	3859801.99	1.18305	0.47572	0.93715	1.10272	1.826	2.549	0.4523	0.47572	8.25E+00	8.79E-01	9.76E-05	3.88E-02	5.72E-01	2.40E-01	3.20E+00	3.23E+00	9.95E+00
2207	495161.06	3859801.99	1.17709	0.46855	0.92463	1.09026	1.825	2.419	0.4466	0.46855	8.21E+00	8.65E-01	9.63E-05	3.84E-02	5.72E-01	2.27E-01	3.16E+00	3.19E+00	9.89E+00
2208	495211.06	3859801.99	1.16842	0.46369	0.92244	1.08328	1.817	2.327	0.4441	0.46369	8.15E+00	8.56E-01	9.60E-05	3.81E-02	5.69E-01	2.19E-01	3.15E+00	3.15E+00	9.82E+00
2209	495261.06	3859801.99	1.16095	0.45604	0.9143	1.07113	1.793	2.279	0.4382	0.45604	8.09E+00	8.42E-01	9.52E-05	3.77E-02	5.62E-01	2.14E-01	3.10E+00	3.10E+00	9.75E+00
2210	495311.06	3859801.99	1.15241	0.45278	0.90741	1.06633	1.726	2.309	0.4361	0.45278	8.03E+00	8.36E-01	9.45E-05	3.75E-02	5.41E-01	2.17E-01	3.09E+00	3.08E+00	9.68E+00
2211	495361.06	3859801.99	1.14476	0.44714	0.90074	1.05786	1.737	2.283	0.4324	0.44714	7.98E+00	8.26E-01	9.38E-05	3.72E-02	5.44E-01	2.15E-01	3.06E+00	3.04E+00	9.63E+00
2212	495411.06	3859801.99	1.1378	0.43891	0.89205	1.04596	1.659	2.245	0.427	0.43891	7.93E+00	8.11E-01	9.29E-05	3.68E-02	5.20E-01	2.11E-01	3.03E+00	2.98E+00	9.55E+00
2213	495461.06	3859801.99	1.13194	0.43312	0.88543	1.03359	1.603	2.277	0.4215	0.43312	7.89E+00	8.00E-01	9.22E-05	3.64E-02	5.02E-01	2.14E-01	2.99E+00	2.95E+00	9.49E+00
2214	495511.06	3859801.99	1.13228	0.42293	0.87477	1.00964	1.573	2.203	0.4095	0.42293	7.89E+00	7.81E-01	9.11E-05	3.55E-02	4.93E-01	2.07E-01	2.90E+00	2.88E+00	9.44E+00
2215	495561.06	3859801.99	1.13005	0.41806	0.86503	1.00074	1.541	2.154	0.4056	0.41806	7.88E+00	7.72E-01	9.01E-05	3.52E-02	4.83E-01	2.02E-01	2.87E+00	2.84E+00	9.40E+00
2216	495611.06	3859801.99	1.12518	0.41747	0.85535	0.9978	1.496	2.146	0.4062	0.41747	7.84E+00	7.71E-01	8.90E-05	3.51E-02	4.69E-01	2.02E-01	2.88E+00	2.84E+00	9.36E+00
2217	495661.06	3859801.99	1.11798	0.41076	0.84007	0.97484	1.411	2.066	0.3939	0.41076	7.79E+00	7.59E-01	8.75E-05	3.43E-02	4.42E-01	1.94E-01	2.79E+00	2.79E+00	9.22E+00
2218	494311.06	3859851.99	1.25164	0.62983	1.1428	1.35617	1.455	3.054	0.5731	0.62983	8.73E+00	1.16E+00	1.19E-04	4.77E-02	4.56E-01	2.87E-01	4.06E+00	4.28E+00	1.05E+01
2219	494361.06	3859851.99	1.24687	0.61266	1.11619	1.33443	1.459	3.766	0.5652	0.61266	8.69E+00	1.13E+00	1.16E-04	4.70E-02	4.57E-01	3.54E-01	4.00E+00	4.17E+00	1.05E+01
2220	494411.06	3859851.99	1.24282	0.59262	1.09168	1.29993	1.472	4.921	0.5571	0.59262	8.66E+00	1.09E+00	1.14E-04	4.58E-02	4.61E-01	4.63E-01	3.95E+00	4.03E+00	1.06E+01
2221	494461.06	3859851.99	1.23673	0.57912	1.07692	1.27248	1.481	4.959	0.5524	0.57912	8.62E+00	1.07E+00	1.12E-04	4.48E-02	4.64E-01	4.66E-01	3.91E+00	3.94E+00	1.06E+01
2222	494511.06	3859851.99	1.22658	0.58338	1.07753	1.26821	1.527	5.028	0.5531	0.58338	8.55E+00	1.08E+00	1.12E-04	4.46E-02	4.79E-01	4.73E-01	3.92E+00	3.97E+00	1.06E+01
2223	494561.06	3859851.99	1.21564	0.58782	1.07577	1.26338	1.573	4.437	0.5537	0.58782	8.48E+00	1.09E+00	1.12E-04	4.45E-02	4.93E-01	4.17E-01	3.92E+00	4.00E+00	1.04E+01
2224	494611.06	3859851.99	1.21647	0.56088	1.0445	1.23595	1.592	4.207	0.5358	0.56088	8.48E+00	1.04E+00	1.09E-04	4.35E-02	4.99E-01	3.95E-01	3.80E+00	3.81E+00	1.04E+01
2225	494661.06	3859851.99	1.20853	0.55961	1.03931	1.2268	1.607	3.781	0.5358	0.55961	8.43E+00	1.03E+00	1.08E-04	4.32E-02	5.04E-01	3.55E-01	3.80E+00	3.81E+00	1.04E+01
2226	494711.06	3859851.99	1.20635	0.54221	1.02768	1.19162	1.606	3.555	0.5185	0.54221	8.41E+00	1.00E+00	1.07E-04	4.19E-02	5.03E-01	3.34E-01	3.67E+00	3.69E+00	1.03E+01
2227	494761.06	3859851.99	1.19694	0.54576	1.03214	1.18276	1.568	3.388	0.5241	0.54576	8.34E+00	1.01E+00	1.07E-04	4.16E-02	4.91E-01	3.18E-01	3.71E+00	3.71E+00	1.02E+01
2228	494811.06	3859851.99	1.1922	0.5364	1.02786	1.16455	1.492	3.174	0.5155	0.5364	8.31E+00	9.91E-01	1.07E-04	4.10E-02	4.67E-01	2.98E-01	3.65E+00	3.65E+00	1.01E+01
2229	494861.06	3859851.99	1.18565	0.53266	1.01479	1.15293	1.47	3.067	0.5137	0.53266	8.27E+00	9.84E-01	1.06E-04	4.06E-02	4.61E-01	2.88E-01	3.64E+00	3.62E+00	1.01E+01
2230	494911.06	3859851.99	1.18196	0.52121	1.00036	1.13347	1.516	2.948	0.5043	0.52121	8.24E+00	9.63E-01	1.04E-04	3.99E-02	4.75E-01	2.77E-01	3.57E+00	3.54E+00	1.00E+01
2231	494961.06	3859851.99	1.17711	0.51383	0.99121	1.11837	1.578	2.89	0.4986	0.51383	8.21E+00	9.49E-01	1.03E-04	3.94E-02	4.94E-01	2.72E-01	3.53E+00	3.49E+00	1.00E+01
2232	495011.06	3859851.99	1.17245	0.50669	0.97663	1.10836	1.632	2.875	0.4911	0.50669	8.17E+00	9.36E-01	1.02E-04	3.90E-02	5.11E-01	2.70E-01	3.48E+00	3.45E+00	9.96E+00
2233	495061.06	3859851.99	1.16744	0.50218	0.96314	1.10485	1.682	2.843	0.4861	0.50218	8.14E+00	9.27E-01	1.00E-04	3.89E-02	5.27E-01	2.67E-01	3.44E+00	3.41E+00	9.93E+00
2234	495111.06	3859851.99	1.16492	0.49454	0.95031	1.09456	1.686	2.704	0.4742	0.49454	8.12E+00	9.13E-01	9.89E-05	3.85E-02	5.28E-01	2.54E-01	3.36E+00	3.36E+00	9.85E+00
2235	495161.06	3859851.99	1.16155	0.48941	0.94512	1.08833	1.695	2.536	0.4658	0.48941	8.10E+00	9.04E-01	9.84E-05	3.83E-02	5.31E-01	2.38E-01	3.30E+00	3.33E+00	9.78E+00
2236	495211.06	3859851.99	1.15792	0.48465	0.9401	1.0829	1.762	2.559	0.4605	0.48465	8.07E+00	8.95E-01	9.79E-05	3.81E-02	5.52E-01	2.41E-01	3.26E+00	3.30E+00	9.77E+00
2237	495261.06	3859851.99	1.15455	0.47885	0.92905	1.06895	1.781	2.534	0.4561	0.47885	8.05E+00	8.84E-01	9.67E-05	3.76E-02	5.58E-01	2.38E-01	3.23E+00	3.26E+00	9.74E+00
2238	495311.06	3859851.99	1.1461	0.47421	0.91667	1.05887	1.777	2.477	0.4537	0.47421	7.99E+00	8.76E-01	9.54E-05	3.73E-02	5.57E-01	2.33E-01	3.21E+00	3.22E+00	9.68E+00

2239	495361.06	3859851.99	1.13812	0.46974	0.91085	1.04924	1.77	2.433	0.4508	0.46974	7.93E+00	8.68E-01	9.48E-05	3.69E-02	5.55E-01	2.29E-01	3.19E+00	3.19E+00	9.62E+00
2240	495411.06	3859851.99	1.13274	0.46204	0.90127	1.0364	1.74	2.364	0.4455	0.46204	7.90E+00	8.53E-01	9.38E-05	3.65E-02	5.45E-01	2.22E-01	3.16E+00	3.14E+00	9.57E+00
2241	495461.06	3859851.99	1.12747	0.45456	0.8935	1.02459	1.671	2.233	0.4405	0.45456	7.86E+00	8.40E-01	9.30E-05	3.61E-02	5.24E-01	2.10E-01	3.12E+00	3.09E+00	9.50E+00
2242	495511.06	3859851.99	1.12262	0.44552	0.88583	1.01118	1.668	2.15	0.4331	0.44552	7.83E+00	8.23E-01	9.22E-05	3.56E-02	5.23E-01	2.02E-01	3.07E+00	3.03E+00	9.45E+00
2243	495561.06	3859851.99	1.11609	0.44314	0.87929	1.00748	1.607	2.161	0.4309	0.44314	7.78E+00	8.18E-01	9.15E-05	3.55E-02	5.03E-01	2.03E-01	3.05E+00	3.01E+00	9.38E+00
2244	495611.06	3859851.99	1.11074	0.43968	0.86932	1.00336	1.559	2.159	0.4283	0.43968	7.74E+00	8.12E-01	9.05E-05	3.53E-02	4.88E-01	2.03E-01	3.03E+00	2.99E+00	9.33E+00
2245	495661.06	3859851.99	1.11115	0.43052	0.85483	0.98564	1.53	2.129	0.4196	0.43052	7.75E+00	7.95E-01	8.90E-05	3.47E-02	4.79E-01	2.00E-01	2.97E+00	2.93E+00	9.30E+00
2246	494311.06	3859901.99	1.24917	0.64596	1.08669	1.35818	1.292	3.332	0.5952	0.64596	8.71E+00	1.19E+00	1.13E-04	4.78E-02	4.05E-01	3.13E-01	4.22E+00	4.39E+00	1.05E+01
2247	494361.06	3859901.99	1.24721	0.62602	1.07564	1.3196	1.333	3.767	0.5763	0.62602	8.70E+00	1.16E+00	1.12E-04	4.64E-02	4.18E-01	3.54E-01	4.08E+00	4.26E+00	1.05E+01
2248	494411.06	3859901.99	1.23943	0.62095	1.08721	1.3152	1.393	4.618	0.5745	0.62095	8.64E+00	1.15E+00	1.13E-04	4.63E-02	4.36E-01	4.34E-01	4.07E+00	4.22E+00	1.06E+01
2249	494461.06	3859901.99	1.23376	0.60858	1.09196	1.28961	1.418	4.603	0.5667	0.60858	8.60E+00	1.12E+00	1.14E-04	4.54E-02	4.44E-01	4.33E-01	4.01E+00	4.14E+00	1.05E+01
2250	494511.06	3859901.99	1.22654	0.60297	1.08192	1.27257	1.419	5.438	0.5637	0.60297	8.55E+00	1.11E+00	1.13E-04	4.48E-02	4.45E-01	5.11E-01	3.99E+00	4.10E+00	1.06E+01
2251	494561.06	3859901.99	1.21578	0.61509	1.0908	1.27429	1.45	4.639	0.5712	0.61509	8.48E+00	1.14E+00	1.14E-04	4.49E-02	4.54E-01	4.36E-01	4.05E+00	4.18E+00	1.04E+01
2252	494611.06	3859901.99	1.21525	0.58667	1.06171	1.23497	1.453	4.316	0.5474	0.58667	8.47E+00	1.08E+00	1.11E-04	4.35E-02	4.55E-01	4.06E-01	3.88E+00	3.99E+00	1.03E+01
2253	494661.06	3859901.99	1.20453	0.59215	1.07548	1.23048	1.509	4.046	0.5528	0.59215	8.40E+00	1.09E+00	1.12E-04	4.33E-02	4.73E-01	3.80E-01	3.92E+00	4.03E+00	1.03E+01
2254	494711.06	3859901.99	1.20311	0.56724	1.05544	1.19898	1.538	3.728	0.5342	0.56724	8.39E+00	1.05E+00	1.10E-04	4.22E-02	4.82E-01	3.50E-01	3.79E+00	3.86E+00	1.02E+01
2255	494761.06	3859901.99	1.19303	0.56761	1.0523	1.19409	1.549	3.567	0.5345	0.56761	8.32E+00	1.05E+00	1.10E-04	4.20E-02	4.85E-01	3.35E-01	3.79E+00	3.86E+00	1.02E+01
2256	494811.06	3859901.99	1.18298	0.56813	1.04812	1.19221	1.554	3.517	0.5348	0.56813	8.25E+00	1.05E+00	1.09E-04	4.20E-02	4.87E-01	3.31E-01	3.79E+00	3.86E+00	1.01E+01
2257	494861.06	3859901.99	1.17541	0.56371	1.03806	1.18089	1.547	3.375	0.5318	0.56371	8.19E+00	1.04E+00	1.08E-04	4.16E-02	4.85E-01	3.17E-01	3.77E+00	3.83E+00	1.00E+01
2258	494911.06	3859901.99	1.17171	0.55251	1.02566	1.16008	1.5	3.259	0.5238	0.55251	8.17E+00	1.02E+00	1.07E-04	4.08E-02	4.70E-01	3.06E-01	3.71E+00	3.76E+00	9.96E+00
2259	494961.06	3859901.99	1.16569	0.54738	1.01764	1.14826	1.442	3.193	0.5204	0.54738	8.13E+00	1.01E+00	1.06E-04	4.04E-02	4.52E-01	3.00E-01	3.69E+00	3.72E+00	9.90E+00
2260	495011.06	3859901.99	1.16145	0.53801	0.99948	1.13073	1.435	3.023	0.5137	0.53801	8.10E+00	9.94E-01	1.04E-04	3.98E-02	4.50E-01	2.84E-01	3.64E+00	3.66E+00	9.85E+00
2261	495061.06	3859901.99	1.15658	0.53033	1.00018	1.1157	1.493	2.792	0.5084	0.53033	8.06E+00	9.79E-01	1.04E-04	3.93E-02	4.68E-01	2.62E-01	3.60E+00	3.61E+00	9.81E+00
2262	495111.06	3859901.99	1.15306	0.51962	0.98825	1.09577	1.548	2.719	0.5008	0.51962	8.04E+00	9.60E-01	1.03E-04	3.86E-02	4.85E-01	2.56E-01	3.55E+00	3.53E+00	9.79E+00
2263	495161.06	3859901.99	1.1491	0.51016	0.97493	1.08058	1.598	2.664	0.4945	0.51016	8.01E+00	9.42E-01	1.01E-04	3.80E-02	5.01E-01	2.50E-01	3.50E+00	3.47E+00	9.78E+00
2264	495211.06	3859901.99	1.14311	0.50689	0.96896	1.07736	1.647	2.66	0.4926	0.50689	7.97E+00	9.36E-01	1.01E-04	3.79E-02	5.16E-01	2.50E-01	3.49E+00	3.45E+00	9.75E+00
2265	495261.06	3859901.99	1.1405	0.49713	0.95115	1.06109	1.638	2.608	0.4833	0.49713	7.95E+00	9.18E-01	9.90E-05	3.73E-02	5.13E-01	2.45E-01	3.42E+00	3.38E+00	9.71E+00
2266	495311.06	3859901.99	1.13701	0.49367	0.94012	1.06578	1.66	2.569	0.4809	0.49367	7.93E+00	9.12E-01	9.79E-05	3.75E-02	5.20E-01	2.41E-01	3.41E+00	3.36E+00	9.69E+00
2267	495361.06	3859901.99	1.13531	0.4862	0.92196	1.06112	1.728	2.488	0.4734	0.4862	7.92E+00	8.98E-01	9.60E-05	3.73E-02	5.41E-01	2.34E-01	3.35E+00	3.31E+00	9.67E+00
2268	495411.06	3859901.99	1.13181	0.47759	0.91118	1.0441	1.736	2.384	0.465	0.47759	7.89E+00	8.82E-01	9.49E-05	3.67E-02	5.44E-01	2.24E-01	3.29E+00	3.25E+00	9.62E+00
2269	495461.06	3859901.99	1.12589	0.47186	0.89622	1.03008	1.73	2.291	0.4595	0.47186	7.85E+00	8.71E-01	9.33E-05	3.63E-02	5.42E-01	2.15E-01	3.26E+00	3.21E+00	9.56E+00
2270	495511.06	3859901.99	1.11904	0.46881	0.88335	1.02172	1.723	2.247	0.4563	0.46881	7.80E+00	8.66E-01	9.20E-05	3.60E-02	5.40E-01	2.11E-01	3.23E+00	3.19E+00	9.50E+00
2271	495561.06	3859901.99	1.11231	0.46572	0.87773	1.01372	1.686	2.223	0.453	0.46572	7.75E+00	8.60E-01	9.14E-05	3.57E-02	5.28E-01	2.09E-01	3.21E+00	3.17E+00	9.43E+00
2272	495611.06	3859901.99	1.10687	0.46075	0.8692	1.00188	1.623	2.18	0.4452	0.46075	7.72E+00	8.51E-01	9.05E-05	3.53E-02	5.08E-01	2.05E-01	3.15E+00	3.13E+00	9.34E+00
2273	495661.06	3859901.99	1.10165	0.4543	0.85873	0.99044	1.616	2.133	0.4364	0.4543	7.68E+00	8.39E-01	8.94E-05	3.49E-02	5.06E-01	2.01E-01	3.09E+00	3.09E+00	9.26E+00
2274	494311.06	3859951.99	1.2451	0.6725	1.09847	1.40865	1.21	3.276	0.6258	0.6725	8.68E+00	1.24E+00	1.14E-04	4.96E-02	3.79E-01	3.08E-01	4.43E+00	4.57E+00	1.05E+01
2275	494361.06	3859951.99	1.24093	0.65829	1.08901	1.38584	1.243	3.698	0.6132	0.65829	8.65E+00	1.22E+00	1.13E-04	4.88E-02	3.90E-01	3.48E-01	4.35E+00	4.48E+00	1.05E+01
2276	494411.06	3859951.99	1.23611	0.64465	1.08571	1.36208	1.282	4.818	0.603	0.64465	8.62E+00	1.19E+00	1.13E-04	4.79E-02	4.02E-01	4.53E-01	4.27E+00	4.38E+00	1.06E+01
2277	494461.06	3859951.99	1.23037	0.63292	1.07391	1.34245	1.276	4.851	0.5956	0.63292	8.58E+00	1.17E+00	1.12E-04	4.72E-02	4.00E-01	4.56E-01	4.22E+00	4.30E+00	1.06E+01
2278	494511.06	3859951.99	1.22293	0.62866	1.06959	1.33382	1.341	5.799	0.5952	0.62866	8.53E+00	1.16E+00	1.11E-04	4.69E-02	4.20E-01	5.45E-01	4.22E+00	4.27E+00	1.06E+01
2279	494561.06	3859951.99	1.21042	0.63679	1.08745	1.33726	1.376	5.377	0.607	0.63679	8.44E+00	1.18E+00	1.13E-04	4.71E-02	4.31E-01	5.05E-01	4.30E+00	4.33E+00	1.06E+01
2280	494611.06	3859951.99	1.20994	0.62397	1.073	1.29837	1.38	4.78	0.5826	0.62397	8.44E+00	1.15E+00	1.12E-04	4.57E-02	4.32E-01	4.49E-01	4.13E+00	4.24E+00	1.04E+01
2281	494661.06	3859951.99	1.20056	0.62665	1.08313	1.28635	1.391	4.597	0.5878	0.62665	8.37E+00	1.16E+00	1.13E-04	4.53E-02	4.36E-01	4.32E-01	4.16E+00	4.26E+00	1.03E+01
2282	494711.06	3859951.99	1.19924	0.60866	1.06266	1.25364	1.411	4.353	0.5663	0.60866	8.36E+00	1.12E+00	1.11E-04	4.41E-02	4.42E-01	4.09E-01	4.01E+00	4.14E+00	1.03E+01
2283	494761.06	3859951.99	1.19181	0.60478	1.07024	1.24465	1.445	4.127	0.5638	0.60478	8.31E+00	1.12E+00	1.11E-04	4.38E-02	4.53E-01	3.88E-01	3.99E+00	4.11E+00	1.02E+01
2284	494811.06	3859951.99	1.18453	0.5983	1.07681	1.23343	1.474	3.967	0.5588	0.5983	8.26E+00	1.11E+00	1.12E-04	4.34E-02	4.62E-01	3.73E-01	3.96E+00	4.07E+00	1.01E+01
2285	494861.06	3859951.99	1.1762	0.59586	1.09057	1.2283	1.488	3.723	0.5591	0.59586	8.20E+00	1.10E+00	1.14E-04	4.32E-02	4.66E-01	3.50E-01	3.96E+00	4.05E+00	1.01E+01
2286	494911.06	3859951.99	1.17129	0.58427	1.06922	1.21005	1.503	3.385	0.5469	0.58427	8.17E+00	1.08E+00	1.11E-04	4.26E-02	4.71E-01	3.18E-01	3.88E+00	3.97E+00	9.98E+00
2287	494961.06	3859951.99	1.16532	0.57408	1.04468	1.19337	1.506	3.167	0.5398	0.57408	8.12E+00	1.06E+00	1.09E-04	4.20E-02	4.72E-01	2.98E-01	3.82E+00	3.90E+00	9.92E+00
2288	495011.06	3859951.99	1.15888	0.56529	1.02816	1.18182	1.501	3.047	0.5333	0.56529	8.08E+00	1.04E+00	1.07E-04	4.16E-02	4.70E-01	2.86E-01	3.78E+00	3.84E+00	9.86E+00
2289	495061.06	3859951.99	1.15167	0.55871	1.01371	1.16804	1.436	2.911	0.5273	0.55871	8.03E+00	1.03E+00	1.06E-04	4.11E-02	4.50E-01	2.74E-01	3.74E+00	3.80E+00	9.76E+00
2290	495111.06	3859951.99	1.14622	0.54809	0.99869	1.14709	1.394	2.825	0.5183	0.54809	7.99E+00	1.01E+00	1.04E-04	4.04E-02	4.37E-01	2.66E-01	3.67E+00	3.73E+00	9.69E+00
2291	495161.06	3859951.99	1.14055	0.53813	0.99165	1.12806	1.405	2.761	0.5109	0.53813	7.95E+00	9.94E-01	1.03E-04	3.97E-02	4.40E-01	2.60E-01	3.62E+00	3.66E+00	9.65E+00
2292	495211.06	3859951.99	1.13648	0.5286	0.98199	1.11031	1.459	2.701	0.5049	0.5286	7.92E+00	9.76E-01	1.02E-04	3.91E-02	4.57E-01	2.54E-01	3.58E+00	3.59E+00	9.63E+00
2293	495261.06	3859951.99	1.13372	0.52151	0.96892	1.10061	1.516	2.647	0.5	0.52151	7.90E+00	9.63E-01	1.01E-04	3.87E-02	4.75E-01	2.49E-01	3.54E+00	3.55E+00	9.63E+00
2294	495311.06	3859951.99	1.12931	0.5187	0.95715	1.10142	1.566	2.608	0.498	0.5187	7.87E+00	9.58E-01	9.96E-05	3.88E-02	4.91E-01	2.45E-01	3.53E+00	3.53E+00	9.61E+00
2295	495361.06	3859951.99	1.12627	0.51253	0.93568	1.09489	1.606	2.558	0.4948	0.51253	7.85E+00	9.47E-01	9.74E-05	3.85E-02	5.03E-01	2.40E-01	3.51E+00	3.49E+00	9.60E+00
2296	495411.06	3859951.99	1.12463	0.50333	0.92875	1.07843	1.591	2.444	0.488	0.50333	7.84E+00	9.30E-01	9.67E-05	3.80E-02	4.99E-01	2.30E-01	3.46E+00	3.42E+00	9.57E+00
2297	495461.06	3859951.99	1.12291	0.49683	0.92451	1.06552	1.622	2.371	0.4812	0.49683	7.83E+00	9.18E-01	9.62E-05	3.75E-02	5.08E-01	2.23E-01	3.41E+00	3.38E+00	9.55E+00

2298	495511.06	3859951.99	1.12096	0.48942	0.91078	1.05548	1.688	2.272	0.4742	0.48942	7.82E+00	9.04E-01	9.48E-05	3.71E-02	5.29E-01	2.14E-01	3.36E+00	3.33E+00	9.53E+00
2299	495561.06	3859951.99	1.11317	0.48826	0.90876	1.05588	1.691	2.235	0.4745	0.48826	7.76E+00	9.02E-01	9.46E-05	3.72E-02	5.30E-01	2.10E-01	3.36E+00	3.32E+00	9.48E+00
2300	495611.06	3859951.99	1.10778	0.48037	0.90447	1.0447	1.686	2.164	0.4662	0.48037	7.72E+00	8.87E-01	9.42E-05	3.68E-02	5.28E-01	2.03E-01	3.30E+00	3.27E+00	9.42E+00
2301	495661.06	3859951.99	1.10298	0.47069	0.88465	1.02756	1.679	2.087	0.455	0.47069	7.69E+00	8.69E-01	9.21E-05	3.62E-02	5.26E-01	1.96E-01	3.22E+00	3.20E+00	9.34E+00
2302	494311.06	3860001.99	1.24123	0.69548	1.04903	1.4747	1.244	3.512	0.6436	0.69548	8.65E+00	1.28E+00	1.09E-04	5.19E-02	3.90E-01	3.30E-01	4.56E+00	4.73E+00	1.05E+01
2303	494361.06	3860001.99	1.23561	0.68729	1.03554	1.45612	1.215	4.1	0.6378	0.68729	8.61E+00	1.27E+00	1.08E-04	5.12E-02	3.81E-01	3.85E-01	4.52E+00	4.67E+00	1.05E+01
2304	494411.06	3860001.99	1.233	0.67494	1.02319	1.42832	1.176	5.053	0.6266	0.67494	8.60E+00	1.25E+00	1.07E-04	5.03E-02	3.69E-01	4.75E-01	4.44E+00	4.59E+00	1.06E+01
2305	494461.06	3860001.99	1.2258	0.66498	1.0266	1.41603	1.198	7.024	0.6229	0.66498	8.55E+00	1.23E+00	1.07E-04	4.98E-02	3.75E-01	6.60E-01	4.41E+00	4.52E+00	1.08E+01
2306	494511.06	3860001.99	1.22129	0.65303	1.02233	1.39429	1.23	7.09	0.6131	0.65303	8.51E+00	1.21E+00	1.06E-04	4.91E-02	3.85E-01	6.66E-01	4.34E+00	4.44E+00	1.07E+01
2307	494561.06	3860001.99	1.20556	0.66654	1.05845	1.41005	1.275	6.883	0.6229	0.66654	8.40E+00	1.23E+00	1.10E-04	4.96E-02	4.00E-01	6.47E-01	4.41E+00	4.53E+00	1.06E+01
2308	494611.06	3860001.99	1.20216	0.65405	1.05818	1.37793	1.314	6.144	0.6127	0.65405	8.38E+00	1.21E+00	1.10E-04	4.85E-02	4.12E-01	5.78E-01	4.34E+00	4.45E+00	1.05E+01
2309	494661.06	3860001.99	1.19561	0.64863	1.07338	1.36206	1.33	5.427	0.608	0.64863	8.34E+00	1.20E+00	1.12E-04	4.79E-02	4.17E-01	5.10E-01	4.31E+00	4.41E+00	1.04E+01
2310	494711.06	3860001.99	1.19818	0.62915	1.04611	1.31875	1.342	4.671	0.5834	0.62915	8.35E+00	1.16E+00	1.09E-04	4.64E-02	4.20E-01	4.39E-01	4.13E+00	4.28E+00	1.03E+01
2311	494761.06	3860001.99	1.18755	0.63376	1.06959	1.31883	1.352	4.478	0.588	0.63376	8.28E+00	1.17E+00	1.11E-04	4.64E-02	4.24E-01	4.21E-01	4.17E+00	4.31E+00	1.02E+01
2312	494811.06	3860001.99	1.18062	0.6316	1.07308	1.30526	1.354	4.256	0.5841	0.6316	8.23E+00	1.17E+00	1.12E-04	4.59E-02	4.24E-01	4.00E-01	4.14E+00	4.29E+00	1.01E+01
2313	494861.06	3860001.99	1.17291	0.62885	1.08081	1.29652	1.358	4.072	0.5834	0.62885	8.18E+00	1.16E+00	1.13E-04	4.56E-02	4.25E-01	3.83E-01	4.13E+00	4.28E+00	1.01E+01
2314	494911.06	3860001.99	1.17388	0.60561	1.05981	1.25002	1.418	3.58	0.5618	0.60561	8.18E+00	1.12E+00	1.10E-04	4.40E-02	4.44E-01	3.37E-01	3.98E+00	4.12E+00	9.99E+00
2315	494961.06	3860001.99	1.16583	0.60165	1.0623	1.23808	1.38	3.443	0.5591	0.60165	8.13E+00	1.11E+00	1.11E-04	4.36E-02	4.32E-01	3.24E-01	3.96E+00	4.09E+00	9.91E+00
2316	495011.06	3860001.99	1.16074	0.59106	1.06367	1.22077	1.455	3.289	0.552	0.59106	8.09E+00	1.09E+00	1.11E-04	4.30E-02	4.56E-01	3.09E-01	3.91E+00	4.02E+00	9.88E+00
2317	495061.06	3860001.99	1.15328	0.58779	1.06678	1.21751	1.463	3.197	0.5495	0.58779	8.04E+00	1.09E+00	1.11E-04	4.29E-02	4.58E-01	3.01E-01	3.89E+00	4.00E+00	9.82E+00
2318	495111.06	3860001.99	1.14871	0.57696	1.06239	1.2	1.462	3.039	0.5427	0.57696	8.01E+00	1.07E+00	1.11E-04	4.22E-02	4.58E-01	2.86E-01	3.85E+00	3.92E+00	9.78E+00
2319	495161.06	3860001.99	1.14329	0.56642	1.06102	1.18119	1.442	2.852	0.5356	0.56642	7.97E+00	1.05E+00	1.10E-04	4.16E-02	4.52E-01	2.68E-01	3.79E+00	3.85E+00	9.72E+00
2320	495211.06	3860001.99	1.135	0.56293	1.04631	1.17828	1.378	2.788	0.5328	0.56293	7.91E+00	1.04E+00	1.09E-04	4.15E-02	4.32E-01	2.62E-01	3.78E+00	3.83E+00	9.64E+00
2321	495261.06	3860001.99	1.12931	0.55366	1.01762	1.16424	1.357	2.661	0.5267	0.55366	7.87E+00	1.02E+00	1.06E-04	4.10E-02	4.25E-01	2.50E-01	3.73E+00	3.76E+00	9.58E+00
2322	495311.06	3860001.99	1.12248	0.54741	0.99928	1.15244	1.39	2.598	0.5204	0.54741	7.83E+00	1.01E+00	1.04E-04	4.06E-02	4.35E-01	2.44E-01	3.69E+00	3.72E+00	9.52E+00
2323	495361.06	3860001.99	1.12163	0.53324	0.96635	1.12348	1.434	2.494	0.5093	0.53324	7.82E+00	9.85E-01	1.01E-04	3.95E-02	4.49E-01	2.34E-01	3.61E+00	3.63E+00	9.51E+00
2324	495411.06	3860001.99	1.11646	0.53205	0.95957	1.12301	1.489	2.438	0.5075	0.53205	7.78E+00	9.83E-01	9.99E-05	3.95E-02	4.66E-01	2.29E-01	3.60E+00	3.62E+00	9.48E+00
2325	495461.06	3860001.99	1.11414	0.52419	0.94119	1.11221	1.534	2.402	0.5025	0.52419	7.77E+00	9.68E-01	9.80E-05	3.91E-02	4.81E-01	2.26E-01	3.56E+00	3.56E+00	9.48E+00
2326	495511.06	3860001.99	1.11168	0.51742	0.92763	1.09886	1.561	2.397	0.4969	0.51742	7.75E+00	9.56E-01	9.66E-05	3.87E-02	4.89E-01	2.25E-01	3.52E+00	3.52E+00	9.46E+00
2327	495561.06	3860001.99	1.10782	0.51416	0.92066	1.09471	1.563	2.383	0.4936	0.51416	7.72E+00	9.50E-01	9.58E-05	3.85E-02	4.90E-01	2.24E-01	3.50E+00	3.50E+00	9.43E+00
2328	495611.06	3860001.99	1.10675	0.50561	0.91527	1.07145	1.607	2.299	0.4868	0.50561	7.72E+00	9.34E-01	9.53E-05	3.77E-02	5.04E-01	2.16E-01	3.45E+00	3.44E+00	9.42E+00
2329	495661.06	3860001.99	1.10317	0.49631	0.90898	1.04982	1.652	2.22	0.4798	0.49631	7.69E+00	9.17E-01	9.46E-05	3.69E-02	5.18E-01	2.09E-01	3.40E+00	3.37E+00	9.40E+00
2330	494411.06	3860051.99	1.22675	0.69956	1.06994	1.48523	1.192	10.47	0.6528	0.69956	8.55E+00	1.29E+00	1.11E-04	5.23E-02	3.74E-01	9.84E-01	4.63E+00	4.76E+00	1.11E+01
2331	494461.06	3860051.99	1.22176	0.69245	1.06026	1.46873	1.181	13.17	0.6464	0.69245	8.52E+00	1.28E+00	1.10E-04	5.17E-02	3.70E-01	1.24E+00	4.58E+00	4.71E+00	1.13E+01
2332	494511.06	3860051.99	1.21594	0.68747	1.04692	1.45435	1.152	9.591	0.6392	0.68747	8.48E+00	1.27E+00	1.09E-04	5.12E-02	3.61E-01	9.01E-01	4.53E+00	4.67E+00	1.09E+01
2333	494561.06	3860051.99	1.20426	0.69061	1.06161	1.45464	1.158	7.035	0.6404	0.69061	8.40E+00	1.28E+00	1.11E-04	5.12E-02	3.63E-01	6.61E-01	4.54E+00	4.70E+00	1.06E+01
2334	494611.06	3860051.99	1.19635	0.68849	1.06807	1.44238	1.191	6.016	0.6377	0.68849	8.34E+00	1.27E+00	1.11E-04	5.08E-02	3.73E-01	5.65E-01	4.52E+00	4.68E+00	1.04E+01
2335	494661.06	3860051.99	1.18967	0.68488	1.07164	1.41822	1.225	5.393	0.6333	0.68488	8.29E+00	1.26E+00	1.12E-04	4.99E-02	3.84E-01	5.07E-01	4.49E+00	4.66E+00	1.03E+01
2336	494711.06	3860051.99	1.18888	0.66934	1.05577	1.38549	1.264	4.882	0.6191	0.66934	8.29E+00	1.24E+00	1.10E-04	4.88E-02	3.96E-01	4.59E-01	4.39E+00	4.55E+00	1.03E+01
2337	494761.06	3860051.99	1.18193	0.66453	1.06326	1.36251	1.29	4.559	0.6151	0.66453	8.24E+00	1.23E+00	1.11E-04	4.80E-02	4.04E-01	4.28E-01	4.36E+00	4.52E+00	1.02E+01
2338	494811.06	3860051.99	1.17279	0.66365	1.07863	1.34464	1.302	4.232	0.6149	0.66365	8.18E+00	1.23E+00	1.12E-04	4.73E-02	4.08E-01	3.98E-01	4.36E+00	4.51E+00	1.01E+01
2339	494861.06	3860051.99	1.16446	0.66088	1.09518	1.33715	1.311	4.019	0.6125	0.66088	8.12E+00	1.22E+00	1.14E-04	4.71E-02	4.11E-01	3.78E-01	4.34E+00	4.49E+00	1.00E+01
2340	494911.06	3860051.99	1.16214	0.64901	1.08974	1.30876	1.318	3.842	0.6003	0.64901	8.10E+00	1.20E+00	1.13E-04	4.61E-02	4.13E-01	3.61E-01	4.25E+00	4.41E+00	9.96E+00
2341	494961.06	3860051.99	1.16013	0.63863	1.08548	1.27835	1.319	3.649	0.5874	0.63863	8.09E+00	1.18E+00	1.13E-04	4.50E-02	4.13E-01	3.43E-01	4.16E+00	4.34E+00	9.89E+00
2342	495011.06	3860051.99	1.15653	0.6275	1.08027	1.2529	1.325	3.457	0.5765	0.6275	8.06E+00	1.16E+00	1.12E-04	4.41E-02	4.15E-01	3.25E-01	4.08E+00	4.27E+00	9.82E+00
2343	495061.06	3860051.99	1.15102	0.61785	1.06303	1.23389	1.335	3.338	0.5684	0.61785	8.02E+00	1.14E+00	1.11E-04	4.34E-02	4.18E-01	3.14E-01	4.03E+00	4.20E+00	9.77E+00
2344	495111.06	3860051.99	1.14748	0.60425	1.03492	1.21679	1.353	3.176	0.5573	0.60425	8.00E+00	1.12E+00	1.08E-04	4.28E-02	4.24E-01	2.98E-01	3.95E+00	4.11E+00	9.72E+00
2345	495161.06	3860051.99	1.14182	0.59536	1.03089	1.20376	1.37	2.988	0.5505	0.59536	7.96E+00	1.10E+00	1.07E-04	4.24E-02	4.29E-01	2.81E-01	3.90E+00	4.05E+00	9.66E+00
2346	495211.06	3860051.99	1.13723	0.58485	1.0339	1.1888	1.425	2.819	0.5439	0.58485	7.93E+00	1.08E+00	1.08E-04	4.18E-02	4.47E-01	2.65E-01	3.85E+00	3.98E+00	9.64E+00
2347	495261.06	3860051.99	1.13128	0.57849	1.03576	1.18389	1.42	2.768	0.5403	0.57849	7.89E+00	1.07E+00	1.08E-04	4.17E-02	4.45E-01	2.60E-01	3.83E+00	3.93E+00	9.60E+00
2348	495311.06	3860051.99	1.12455	0.57356	1.03297	1.18033	1.384	2.743	0.5376	0.57356	7.84E+00	1.06E+00	1.08E-04	4.15E-02	4.33E-01	2.58E-01	3.81E+00	3.90E+00	9.54E+00
2349	495361.06	3860051.99	1.11782	0.56679	1.0278	1.17205	1.335	2.674	0.534	0.56679	7.79E+00	1.05E+00	1.07E-04	4.13E-02	4.18E-01	2.51E-01	3.78E+00	3.85E+00	9.48E+00
2350	495411.06	3860051.99	1.11156	0.55919	1.02199	1.1628	1.325	2.632	0.5302	0.55919	7.75E+00	1.03E+00	1.06E-04	4.09E-02	4.15E-01	2.47E-01	3.76E+00	3.80E+00	9.44E+00
2351	495461.06	3860051.99	1.10594	0.55037	1.01408	1.1471	1.37	2.571	0.5245	0.55037	7.71E+00	1.02E+00	1.06E-04	4.04E-02	4.29E-01	2.42E-01	3.72E+00	3.74E+00	9.41E+00
2352	495511.06	3860051.99	1.10209	0.54376	1.00085	1.14097	1.417	2.518	0.5209	0.54376	7.68E+00	1.00E+00	1.04E-04	4.02E-02	4.44E-01	2.37E-01	3.69E+00	3.70E+00	9.40E+00
2353	495561.06	3860051.99	1.09964	0.53571	0.98824	1.13215	1.46	2.438	0.5159	0.53571	7.67E+00	9.89E-01	1.03E-04	3.98E-02	4.57E-01	2.29E-01	3.66E+00	3.64E+00	9.40E+00
2354	495611.06	3860051.99	1.09797	0.52897	0.9733	1.12082	1.503	2.32	0.5085	0.52897	7.65E+00	9.77E-01	1.01E-04	3.94E-02	4.71E-01	2.18E-01	3.60E+00	3.60E+00	9.37E+00
2355	495661.06	3860051.99	1.09756	0.52097	0.94627	1.10301	1.518	2.254	0.502	0.52097	7.65E+00	9.62E-01	9.85E-05	3.88E-02	4.76E-01	2.12E-01	3.56E+00	3.54E+00	9.35E+00
2356	494411.06	3860101.99	1.21916	0.71381	1.09383	1.49872	1.237	7.449	0.6655	0.71381	8.50E+00	1.32E+00	1.14E-04	5.27E-02	3.87E-01	7.00E-01	4.72E+00	4.85E+00	1.08E+01

2357	494461.06	3860101.99	1.21004	0.71305	1.0956	1.50393	1.206	6.527	0.6699	0.71305	8.44E+00	1.32E+00	1.14E-04	5.29E-02	3.78E-01	6.13E-01	4.75E+00	4.85E+00	1.07E+01
2358	494511.06	3860101.99	1.21004	0.70219	1.06852	1.48974	1.155	6.458	0.6569	0.70219	8.44E+00	1.30E+00	1.11E-04	5.24E-02	3.62E-01	6.07E-01	4.65E+00	4.77E+00	1.06E+01
2359	494561.06	3860101.99	1.20146	0.70326	1.06527	1.48724	1.13	6.142	0.6534	0.70326	8.38E+00	1.30E+00	1.11E-04	5.23E-02	3.54E-01	5.77E-01	4.63E+00	4.78E+00	1.05E+01
2360	494611.06	3860101.99	1.18952	0.70772	1.06865	1.49383	1.118	5.648	0.6586	0.70772	8.29E+00	1.31E+00	1.11E-04	5.26E-02	3.50E-01	5.31E-01	4.67E+00	4.81E+00	1.04E+01
2361	494661.06	3860101.99	1.18191	0.7055	1.06184	1.4777	1.112	5.427	0.6562	0.7055	8.24E+00	1.30E+00	1.11E-04	5.20E-02	3.48E-01	5.10E-01	4.65E+00	4.80E+00	1.03E+01
2362	494711.06	3860101.99	1.18087	0.69636	1.04045	1.44379	1.146	5.085	0.6436	0.69636	8.23E+00	1.29E+00	1.08E-04	5.08E-02	3.59E-01	4.78E-01	4.56E+00	4.74E+00	1.02E+01
2363	494761.06	3860101.99	1.17432	0.69296	1.03536	1.42513	1.177	4.784	0.6388	0.69296	8.19E+00	1.28E+00	1.08E-04	5.02E-02	3.69E-01	4.50E-01	4.53E+00	4.71E+00	1.01E+01
2364	494811.06	3860101.99	1.16743	0.68993	1.04125	1.40843	1.211	4.515	0.6346	0.68993	8.14E+00	1.27E+00	1.08E-04	4.96E-02	3.80E-01	4.24E-01	4.50E+00	4.69E+00	1.01E+01
2365	494861.06	3860101.99	1.15121	0.69441	1.07138	1.39767	1.245	4.229	0.6376	0.69441	8.03E+00	1.28E+00	1.12E-04	4.92E-02	3.90E-01	3.98E-01	4.52E+00	4.72E+00	9.94E+00
2366	494911.06	3860101.99	1.16041	0.67139	1.02617	1.34064	1.259	4.042	0.6169	0.67139	8.09E+00	1.24E+00	1.07E-04	4.72E-02	3.94E-01	3.80E-01	4.37E+00	4.57E+00	9.96E+00
2367	494961.06	3860101.99	1.15505	0.66504	1.0272	1.31908	1.272	3.875	0.6111	0.66504	8.05E+00	1.23E+00	1.07E-04	4.64E-02	3.98E-01	3.64E-01	4.33E+00	4.52E+00	9.90E+00
2368	495011.06	3860101.99	1.15202	0.65541	1.02467	1.2902	1.28	3.608	0.6013	0.65541	8.03E+00	1.21E+00	1.07E-04	4.54E-02	4.01E-01	3.39E-01	4.26E+00	4.46E+00	9.83E+00
2369	495061.06	3860101.99	1.14836	0.64627	1.02546	1.26792	1.284	3.49	0.5926	0.64627	8.01E+00	1.19E+00	1.07E-04	4.46E-02	4.02E-01	3.28E-01	4.20E+00	4.39E+00	9.78E+00
2370	495111.06	3860101.99	1.14616	0.63183	1.02222	1.24264	1.286	3.292	0.5813	0.63183	7.99E+00	1.17E+00	1.06E-04	4.37E-02	4.03E-01	3.09E-01	4.12E+00	4.30E+00	9.74E+00
2371	495161.06	3860101.99	1.1392	0.62557	1.03342	1.23111	1.293	3.186	0.577	0.62557	7.94E+00	1.16E+00	1.08E-04	4.33E-02	4.05E-01	2.99E-01	4.09E+00	4.25E+00	9.68E+00
2372	495211.06	3860101.99	1.13368	0.61666	1.04059	1.21601	1.31	3.081	0.57	0.61666	7.90E+00	1.14E+00	1.08E-04	4.28E-02	4.10E-01	2.90E-01	4.04E+00	4.19E+00	9.63E+00
2373	495261.06	3860101.99	1.12831	0.60769	1.04244	1.20662	1.327	2.994	0.5625	0.60769	7.87E+00	1.12E+00	1.09E-04	4.25E-02	4.16E-01	2.81E-01	3.99E+00	4.13E+00	9.58E+00
2374	495311.06	3860101.99	1.12226	0.60033	1.02512	1.19955	1.341	2.85	0.5563	0.60033	7.82E+00	1.11E+00	1.07E-04	4.22E-02	4.20E-01	2.68E-01	3.94E+00	4.08E+00	9.52E+00
2375	495361.06	3860101.99	1.11546	0.59549	1.01301	1.19621	1.34	2.745	0.5524	0.59549	7.78E+00	1.10E+00	1.05E-04	4.21E-02	4.20E-01	2.58E-01	3.91E+00	4.05E+00	9.46E+00
2376	495411.06	3860101.99	1.11078	0.58689	0.99995	1.18686	1.342	2.68	0.545	0.58689	7.74E+00	1.08E+00	1.04E-04	4.18E-02	4.20E-01	2.52E-01	3.86E+00	3.99E+00	9.41E+00
2377	495461.06	3860101.99	1.1079	0.57448	0.98192	1.17214	1.344	2.592	0.5342	0.57448	7.72E+00	1.06E+00	1.02E-04	4.13E-02	4.21E-01	2.44E-01	3.78E+00	3.91E+00	9.37E+00
2378	495511.06	3860101.99	1.10125	0.56951	0.98747	1.1692	1.356	2.505	0.5307	0.56951	7.68E+00	1.05E+00	1.03E-04	4.12E-02	4.25E-01	2.35E-01	3.76E+00	3.87E+00	9.32E+00
2379	495561.06	3860101.99	1.09377	0.56378	0.99542	1.16622	1.365	2.452	0.5277	0.56378	7.63E+00	1.04E+00	1.04E-04	4.10E-02	4.28E-01	2.30E-01	3.74E+00	3.83E+00	9.27E+00
2380	495611.06	3860101.99	1.09042	0.55169	0.99568	1.15193	1.349	2.332	0.5209	0.55169	7.60E+00	1.02E+00	1.04E-04	4.05E-02	4.23E-01	2.19E-01	3.69E+00	3.75E+00	9.24E+00
2381	495661.06	3860101.99	1.08796	0.54388	0.99909	1.14037	1.39	2.274	0.5171	0.54388	7.58E+00	1.00E+00	1.04E-04	4.01E-02	4.35E-01	2.14E-01	3.66E+00	3.70E+00	9.24E+00
2382	494861.06	3860151.99	1.14013	0.71165	1.0929	1.44122	1.125	4.519	0.6528	0.71165	7.95E+00	1.31E+00	1.14E-04	5.07E-02	3.52E-01	4.25E-01	4.63E+00	4.84E+00	9.88E+00
2383	494911.06	3860151.99	1.15092	0.69102	1.04566	1.42065	1.163	4.303	0.6326	0.69102	8.02E+00	1.28E+00	1.09E-04	5.00E-02	3.64E-01	4.04E-01	4.48E+00	4.70E+00	9.90E+00
2384	494961.06	3860151.99	1.1473	0.68337	1.03238	1.39244	1.187	4.066	0.6255	0.68337	8.00E+00	1.26E+00	1.07E-04	4.90E-02	3.72E-01	3.82E-01	4.43E+00	4.65E+00	9.85E+00
2385	495011.06	3860151.99	1.14436	0.67224	1.01892	1.36144	1.222	3.854	0.6158	0.67224	7.98E+00	1.24E+00	1.06E-04	4.79E-02	3.83E-01	3.62E-01	4.36E+00	4.57E+00	9.81E+00
2386	495061.06	3860151.99	1.14131	0.66175	1.00747	1.33567	1.232	3.509	0.6068	0.66175	7.96E+00	1.22E+00	1.05E-04	4.70E-02	3.86E-01	3.30E-01	4.30E+00	4.50E+00	9.74E+00
2387	495111.06	3860151.99	1.13702	0.65605	1.00086	1.31649	1.242	3.348	0.6001	0.65605	7.93E+00	1.21E+00	1.04E-04	4.63E-02	3.89E-01	3.15E-01	4.25E+00	4.46E+00	9.68E+00
2388	495161.06	3860151.99	1.13231	0.65096	0.99695	1.29919	1.253	3.18	0.5943	0.65096	7.89E+00	1.20E+00	1.04E-04	4.57E-02	3.93E-01	2.99E-01	4.21E+00	4.43E+00	9.62E+00
2389	495211.06	3860151.99	1.12801	0.64226	0.99296	1.27997	1.252	3.039	0.5874	0.64226	7.86E+00	1.19E+00	1.03E-04	4.50E-02	3.92E-01	2.86E-01	4.16E+00	4.37E+00	9.57E+00
2390	495261.06	3860151.99	1.12225	0.63467	0.99263	1.26431	1.256	2.902	0.5827	0.63467	7.82E+00	1.17E+00	1.03E-04	4.45E-02	3.94E-01	2.73E-01	4.13E+00	4.32E+00	9.52E+00
2391	495311.06	3860151.99	1.11674	0.6269	0.99189	1.2485	1.268	2.812	0.5777	0.6269	7.79E+00	1.16E+00	1.03E-04	4.39E-02	3.97E-01	2.64E-01	4.09E+00	4.26E+00	9.48E+00
2392	495361.06	3860151.99	1.11103	0.61992	0.99226	1.23404	1.286	2.689	0.5732	0.61992	7.75E+00	1.14E+00	1.03E-04	4.34E-02	4.03E-01	2.53E-01	4.06E+00	4.22E+00	9.44E+00
2393	495411.06	3860151.99	1.10632	0.61136	0.99714	1.21755	1.302	2.532	0.5667	0.61136	7.71E+00	1.13E+00	1.04E-04	4.29E-02	4.08E-01	2.38E-01	4.02E+00	4.16E+00	9.39E+00
2394	495461.06	3860151.99	1.10119	0.6029	1.00334	1.20203	1.311	2.42	0.5606	0.6029	7.68E+00	1.11E+00	1.04E-04	4.23E-02	4.11E-01	2.27E-01	3.97E+00	4.10E+00	9.34E+00
2395	495511.06	3860151.99	1.09723	0.59298	0.99957	1.19104	1.306	2.34	0.5531	0.59298	7.65E+00	1.10E+00	1.04E-04	4.19E-02	4.09E-01	2.20E-01	3.92E+00	4.03E+00	9.30E+00
2396	495561.06	3860151.99	1.09177	0.58583	0.99531	1.18695	1.314	2.285	0.5481	0.58583	7.61E+00	1.08E+00	1.04E-04	4.18E-02	4.12E-01	2.15E-01	3.88E+00	3.98E+00	9.26E+00
2397	495611.06	3860151.99	1.08773	0.57646	0.98157	1.17882	1.307	2.225	0.5411	0.57646	7.58E+00	1.06E+00	1.02E-04	4.15E-02	4.10E-01	2.09E-01	3.83E+00	3.92E+00	9.22E+00
2398	495661.06	3860151.99	1.08412	0.56644	0.9654	1.17056	1.321	2.147	0.5337	0.56644	7.56E+00	1.05E+00	1.01E-04	4.12E-02	4.14E-01	2.02E-01	3.78E+00	3.85E+00	9.19E+00
2399	495718.25	3859442.96	1.10582	0.27166	0.67558	0.82864	1.728	2.136	0.2841	0.27166	7.71E+00	5.02E-01	7.03E-05	2.92E-02	5.41E-01	2.01E-01	2.01E+00	1.85E+00	9.15E+00
2400	495818.25	3859442.96	1.09008	0.25938	0.64837	0.81907	1.587	1.936	0.2796	0.25938	7.60E+00	4.79E-01	6.75E-05	2.88E-02	4.97E-01	1.82E-01	1.98E+00	1.76E+00	9.00E+00
2401	495918.25	3859442.96	1.07825	0.25296	0.64435	0.81598	1.485	1.795	0.277	0.25296	7.52E+00	4.67E-01	6.71E-05	2.87E-02	4.65E-01	1.69E-01	1.96E+00	1.72E+00	8.89E+00
2402	496018.25	3859442.96	1.06804	0.24583	0.64623	0.80849	1.492	1.687	0.2753	0.24583	7.45E+00	4.54E-01	6.73E-05	2.85E-02	4.67E-01	1.59E-01	1.95E+00	1.67E+00	8.83E+00
2403	496118.25	3859442.96	1.06559	0.24835	0.647	0.81828	1.516	1.727	0.2753	0.24835	7.43E+00	4.59E-01	6.74E-05	2.88E-02	4.75E-01	1.62E-01	1.95E+00	1.69E+00	8.82E+00
2404	496218.25	3859442.96	1.06141	0.25244	0.64497	0.82395	1.524	1.697	0.2766	0.25244	7.40E+00	4.66E-01	6.71E-05	2.90E-02	4.77E-01	1.60E-01	1.96E+00	1.72E+00	8.78E+00
2405	496318.25	3859442.96	1.05129	0.24766	0.62939	0.81163	1.546	1.648	0.2733	0.24766	7.33E+00	4.57E-01	6.55E-05	2.86E-02	4.84E-01	1.55E-01	1.94E+00	1.68E+00	8.71E+00
2406	496418.25	3859442.96	1.03391	0.24435	0.609	0.7974	1.513	1.653	0.269	0.24435	7.21E+00	4.51E-01	6.34E-05	2.81E-02	4.74E-01	1.55E-01	1.91E+00	1.66E+00	8.56E+00
2407	495718.25	3859542.96	1.10802	0.30023	0.7344	0.80443	1.728	1.863	0.304	0.30023	7.72E+00	5.55E-01	7.65E-05	2.83E-02	5.41E-01	1.75E-01	2.15E+00	2.04E+00	9.14E+00
2408	495818.25	3859542.96	1.09983	0.293	0.72327	0.80598	1.695	1.774	0.2998	0.293	7.67E+00	5.41E-01	7.53E-05	2.84E-02	5.31E-01	1.67E-01	2.12E+00	1.99E+00	9.07E+00
2409	495918.25	3859542.96	1.08425	0.27895	0.70593	0.81018	1.645	1.696	0.2901	0.27895	7.56E+00	5.15E-01	7.35E-05	2.85E-02	5.15E-01	1.59E-01	2.06E+00	1.90E+00	8.94E+00
2410	496018.25	3859542.96	1.07038	0.26814	0.68773	0.81673	1.65	1.596	0.2859	0.26814	7.46E+00	4.95E-01	7.16E-05	2.87E-02	5.17E-01	1.50E-01	2.03E+00	1.82E+00	8.86E+00
2411	496118.25	3859542.96	1.06228	0.27756	0.68611	0.84605	1.623	1.593	0.2899	0.27756	7.41E+00	5.13E-01	7.14E-05	2.98E-02	5.08E-01	1.50E-01	2.05E+00	1.89E+00	8.77E+00
2412	496218.25	3859542.96	1.0527	0.28118	0.68039	0.86803	1.54	1.541	0.2926	0.28118	7.34E+00	5.19E-01	7.08E-05	3.06E-02	4.83E-01	1.45E-01	2.07E+00	1.91E+00	8.68E+00
2413	496318.25	3859542.96	1.04256	0.28327	0.67343	0.86279	1.424	1.502	0.2948	0.28327	7.27E+00	5.23E-01	7.01E-05	3.04E-02	4.46E-01	1.41E-01	2.09E+00	1.93E+00	8.57E+00
2414	496418.25	3859542.96	1.03151	0.27779	0.66559	0.84901	1.446	1.467	0.2908	0.27779	7.19E+00	5.13E-01	6.93E-05	2.99E-02	4.53E-01	1.38E-01	2.06E+00	1.89E+00	8.50E+00
2415	495718.25	3859642.96	1.12531	0.3342	0.73938	0.84772	1.447	2.001	0.3292	0.3342	7.85E+00	6.17E-01	7.70E-05	2.98E-02	4.53E-01	1.88E-01	2.33E+00	2.27E+00	9.19E+00

2416	495818.25	3859642.96	1.10767	0.32551	0.70901	0.82338	1.475	1.838	0.3236	0.32551	7.72E+00	6.01E-01	7.38E-05	2.90E-02	4.62E-01	1.73E-01	2.29E+00	2.21E+00	9.07E+00
2417	495918.25	3859642.96	1.08435	0.32245	0.69227	0.81281	1.49	1.715	0.3218	0.32245	7.56E+00	5.96E-01	7.21E-05	2.86E-02	4.67E-01	1.61E-01	2.28E+00	2.19E+00	8.90E+00
2418	496018.25	3859642.96	1.06698	0.31476	0.67545	0.79509	1.566	1.612	0.3142	0.31476	7.44E+00	5.81E-01	7.03E-05	2.80E-02	4.91E-01	1.52E-01	2.23E+00	2.14E+00	8.78E+00
2419	496118.25	3859642.96	1.06786	0.31851	0.66536	0.83856	1.658	1.543	0.3107	0.31851	7.44E+00	5.88E-01	6.93E-05	2.95E-02	5.19E-01	1.45E-01	2.20E+00	2.17E+00	8.76E+00
2420	496218.25	3859642.96	1.06021	0.324	0.64685	0.86893	1.615	1.518	0.313	0.324	7.39E+00	5.98E-01	6.73E-05	3.06E-02	5.06E-01	1.43E-01	2.22E+00	2.20E+00	8.68E+00
2421	496318.25	3859642.96	1.05081	0.31933	0.62094	0.86669	1.578	1.472	0.3124	0.31933	7.33E+00	5.90E-01	6.46E-05	3.05E-02	4.94E-01	1.38E-01	2.21E+00	2.17E+00	8.62E+00
2422	496418.25	3859642.96	1.03185	0.28763	0.58983	0.808	1.568	1.341	0.2929	0.28763	7.19E+00	5.31E-01	6.14E-05	2.84E-02	4.91E-01	1.26E-01	2.08E+00	1.96E+00	8.49E+00
2423	495718.25	3859742.96	1.13329	0.3782	0.78775	0.91809	1.37	1.905	0.3569	0.3782	7.90E+00	6.99E-01	8.20E-05	3.23E-02	4.29E-01	1.79E-01	2.53E+00	2.57E+00	9.20E+00
2424	495818.25	3859742.96	1.12928	0.3676	0.76177	0.89138	1.327	1.784	0.3458	0.3676	7.87E+00	6.79E-01	7.93E-05	3.14E-02	4.16E-01	1.68E-01	2.45E+00	2.50E+00	9.12E+00
2425	495918.25	3859742.96	1.11046	0.35953	0.74299	0.87229	1.362	1.723	0.3399	0.35953	7.74E+00	6.64E-01	7.73E-05	3.07E-02	4.27E-01	1.62E-01	2.41E+00	2.44E+00	8.99E+00
2426	496018.25	3859742.96	1.09039	0.34922	0.71677	0.85433	1.349	1.63	0.3333	0.34922	7.60E+00	6.45E-01	7.46E-05	3.01E-02	4.23E-01	1.53E-01	2.36E+00	2.37E+00	8.84E+00
2427	496118.25	3859742.96	1.07229	0.35415	0.70475	0.86187	1.407	1.612	0.3384	0.35415	7.48E+00	6.54E-01	7.34E-05	3.03E-02	4.41E-01	1.52E-01	2.40E+00	2.41E+00	8.74E+00
2428	496218.25	3859742.96	1.05289	0.36334	0.70782	0.8871	1.429	1.652	0.3502	0.36334	7.34E+00	6.71E-01	7.37E-05	3.12E-02	4.48E-01	1.55E-01	2.48E+00	2.47E+00	8.66E+00
2429	496318.25	3859742.96	1.03613	0.33473	0.675	0.83797	1.445	1.498	0.3224	0.33473	7.22E+00	6.18E-01	7.03E-05	2.95E-02	4.53E-01	1.41E-01	2.28E+00	2.28E+00	8.47E+00
2430	496418.25	3859742.96	1.02672	0.31449	0.63468	0.79789	1.494	1.425	0.3007	0.31449	7.16E+00	5.81E-01	6.61E-05	2.81E-02	4.68E-01	1.34E-01	2.13E+00	2.14E+00	8.36E+00
2431	495718.25	3859842.96	1.11076	0.41936	0.84578	0.97971	1.484	2.085	0.4106	0.41936	7.74E+00	7.75E-01	8.81E-05	3.45E-02	4.65E-01	1.96E-01	2.91E+00	2.85E+00	9.27E+00
2432	495818.25	3859842.96	1.09476	0.41106	0.82007	0.96036	1.339	1.939	0.3968	0.41106	7.63E+00	7.59E-01	8.54E-05	3.38E-02	4.20E-01	1.82E-01	2.81E+00	2.80E+00	9.04E+00
2433	495918.25	3859842.96	1.09015	0.40343	0.79625	0.93915	1.314	1.804	0.3838	0.40343	7.60E+00	7.45E-01	8.29E-05	3.31E-02	4.12E-01	1.70E-01	2.72E+00	2.74E+00	8.94E+00
2434	496018.25	3859842.96	1.0882	0.3985	0.77673	0.93535	1.305	1.791	0.3801	0.3985	7.59E+00	7.36E-01	8.09E-05	3.29E-02	4.09E-01	1.68E-01	2.69E+00	2.71E+00	8.92E+00
2435	496118.25	3859842.96	1.08104	0.405	0.76061	0.9608	1.289	1.843	0.3949	0.405	7.54E+00	7.48E-01	7.92E-05	3.38E-02	4.04E-01	1.73E-01	2.80E+00	2.75E+00	8.94E+00
2436	496218.25	3859842.96	1.06843	0.3858	0.72676	0.92129	1.303	1.711	0.3649	0.3858	7.45E+00	7.13E-01	7.57E-05	3.24E-02	4.08E-01	1.61E-01	2.59E+00	2.62E+00	8.72E+00
2437	496318.25	3859842.96	1.05371	0.33477	0.67528	0.80476	1.235	1.428	0.3268	0.33477	7.35E+00	6.18E-01	7.03E-05	2.83E-02	3.87E-01	1.34E-01	2.32E+00	2.28E+00	8.55E+00
2438	496418.25	3859842.96	1.02301	0.304	0.62562	0.73311	1.233	1.33	0.3039	0.304	7.13E+00	5.61E-01	6.51E-05	2.58E-02	3.86E-01	1.25E-01	2.15E+00	2.07E+00	8.32E+00
2439	495718.25	3859942.96	1.09532	0.46298	0.86669	1.00881	1.595	2.078	0.4491	0.46298	7.64E+00	8.55E-01	9.02E-05	3.55E-02	5.00E-01	1.95E-01	3.18E+00	3.15E+00	9.26E+00
2440	495818.25	3859942.96	1.08407	0.45391	0.84933	0.98008	1.533	1.974	0.4357	0.45391	7.56E+00	8.38E-01	8.84E-05	3.45E-02	4.80E-01	1.86E-01	3.09E+00	3.09E+00	9.10E+00
2441	495918.25	3859942.96	1.07893	0.4476	0.83642	0.95984	1.463	1.955	0.4281	0.4476	7.52E+00	8.27E-01	8.71E-05	3.38E-02	4.59E-01	1.84E-01	3.03E+00	3.04E+00	9.01E+00
2442	496018.25	3859942.96	1.0696	0.4479	0.83004	0.97848	1.404	1.935	0.43	0.4479	7.46E+00	8.27E-01	8.64E-05	3.44E-02	4.40E-01	1.82E-01	3.05E+00	3.05E+00	8.94E+00
2443	496118.25	3859942.96	1.06243	0.42646	0.80396	0.93177	1.287	1.815	0.4064	0.42646	7.41E+00	7.88E-01	8.37E-05	3.28E-02	4.03E-01	1.71E-01	2.88E+00	2.90E+00	8.78E+00
2444	496218.25	3859942.96	1.06508	0.39667	0.76603	0.90367	1.245	1.672	0.3785	0.39667	7.43E+00	7.33E-01	7.97E-05	3.18E-02	3.90E-01	1.57E-01	2.68E+00	2.70E+00	8.72E+00
2445	496318.25	3859942.96	1.06703	0.36041	0.72525	0.8514	1.228	1.507	0.3447	0.36041	7.44E+00	6.66E-01	7.55E-05	3.00E-02	3.85E-01	1.42E-01	2.44E+00	2.45E+00	8.65E+00
2446	496418.25	3859942.96	1.03855	0.31353	0.66948	0.74125	1.196	1.324	0.3203	0.31353	7.24E+00	5.79E-01	6.97E-05	2.61E-02	3.75E-01	1.24E-01	2.27E+00	2.13E+00	8.48E+00
2447	496856.82	3858864.83	0.83869	0.1653	0.4986	0.52478	1.421	1.78	0.2106	0.1653	5.85E+00	3.05E-01	5.19E-05	1.85E-02	4.45E-01	1.67E-01	1.49E+00	1.12E+00	7.15E+00
2448	496956.82	3858864.83	0.82253	0.16279	0.49221	0.51556	1.413	1.655	0.206	0.16279	5.73E+00	3.01E-01	5.12E-05	1.81E-02	4.43E-01	1.56E-01	1.46E+00	1.11E+00	7.00E+00
2449	497056.82	3858864.83	0.80707	0.16317	0.48726	0.50658	1.414	1.55	0.202	0.16317	5.63E+00	3.01E-01	5.07E-05	1.78E-02	4.43E-01	1.46E-01	1.43E+00	1.11E+00	6.86E+00
2450	497156.82	3858864.83	0.78362	0.16301	0.4718	0.49841	1.406	1.456	0.1973	0.16301	5.46E+00	3.01E-01	4.91E-05	1.75E-02	4.41E-01	1.37E-01	1.40E+00	1.11E+00	6.65E+00
2451	497256.82	3858864.83	0.78286	0.16389	0.47048	0.49954	1.405	1.389	0.1933	0.16389	5.46E+00	3.03E-01	4.90E-05	1.76E-02	4.40E-01	1.31E-01	1.37E+00	1.11E+00	6.60E+00
2452	496856.82	3858964.83	0.89517	0.17754	0.52427	0.54965	1.426	1.735	0.2203	0.17754	6.24E+00	3.28E-01	5.46E-05	1.93E-02	4.47E-01	1.63E-01	1.56E+00	1.21E+00	7.55E+00
2453	496956.82	3858964.83	0.87752	0.17218	0.51088	0.5363	1.379	1.645	0.2168	0.17218	6.12E+00	3.18E-01	5.32E-05	1.89E-02	4.32E-01	1.55E-01	1.54E+00	1.17E+00	7.41E+00
2454	497056.82	3858964.83	0.8643	0.16993	0.50077	0.52812	1.351	1.497	0.2161	0.16993	6.03E+00	3.14E-01	5.21E-05	1.86E-02	4.23E-01	1.41E-01	1.53E+00	1.16E+00	7.30E+00
2455	497156.82	3858964.83	0.84944	0.16615	0.49031	0.52059	1.338	1.371	0.2129	0.16615	5.92E+00	3.07E-01	5.10E-05	1.83E-02	4.19E-01	1.29E-01	1.51E+00	1.13E+00	7.17E+00
2456	497256.82	3858964.83	0.85707	0.16591	0.49324	0.52883	1.361	1.322	0.2142	0.16591	5.98E+00	3.06E-01	5.13E-05	1.86E-02	4.26E-01	1.24E-01	1.52E+00	1.13E+00	7.24E+00
2457	496856.82	3859064.83	0.90534	0.17565	0.52435	0.59552	1.377	1.586	0.2237	0.17565	6.31E+00	3.24E-01	5.46E-05	2.10E-02	4.32E-01	1.49E-01	1.58E+00	1.19E+00	7.63E+00
2458	496956.82	3859064.83	0.89701	0.17497	0.5176	0.58369	1.382	1.464	0.2211	0.17497	6.25E+00	3.23E-01	5.39E-05	2.05E-02	4.33E-01	1.38E-01	1.57E+00	1.19E+00	7.54E+00
2459	497056.82	3859064.83	0.89059	0.17621	0.51446	0.57343	1.384	1.35	0.2192	0.17621	6.21E+00	3.25E-01	5.36E-05	2.02E-02	4.34E-01	1.27E-01	1.55E+00	1.20E+00	7.47E+00
2460	497156.82	3859064.83	0.88536	0.17386	0.50768	0.56571	1.375	1.282	0.2188	0.17386	6.17E+00	3.21E-01	5.29E-05	1.99E-02	4.31E-01	1.20E-01	1.55E+00	1.18E+00	7.43E+00
2461	497256.82	3859064.83	0.89816	0.17595	0.51015	0.58756	1.38	1.235	0.2209	0.17595	6.26E+00	3.25E-01	5.31E-05	2.07E-02	4.33E-01	1.16E-01	1.56E+00	1.20E+00	7.52E+00
2462	496856.82	3859164.83	0.90393	0.18058	0.53116	0.60068	1.314	1.505	0.2239	0.18058	6.30E+00	3.34E-01	5.53E-05	2.11E-02	4.12E-01	1.41E-01	1.59E+00	1.23E+00	7.57E+00
2463	496956.82	3859164.83	0.88998	0.17697	0.51976	0.58602	1.274	1.442	0.22	0.17697	6.20E+00	3.27E-01	5.41E-05	2.06E-02	3.99E-01	1.36E-01	1.56E+00	1.20E+00	7.44E+00
2464	497056.82	3859164.83	0.88677	0.1769	0.51383	0.57356	1.312	1.381	0.22	0.1769	6.18E+00	3.27E-01	5.35E-05	2.02E-02	4.11E-01	1.30E-01	1.56E+00	1.20E+00	7.43E+00
2465	497156.82	3859164.83	0.89196	0.17992	0.51311	0.57292	1.339	1.32	0.2237	0.17992	6.22E+00	3.32E-01	5.34E-05	2.02E-02	4.20E-01	1.24E-01	1.58E+00	1.22E+00	7.48E+00
2466	497256.82	3859164.83	0.90667	0.19086	0.5184	0.61563	1.336	1.261	0.2227	0.19086	6.32E+00	3.53E-01	5.40E-05	2.17E-02	4.19E-01	1.18E-01	1.58E+00	1.30E+00	7.51E+00
2467	496856.82	3859264.83	0.92097	0.1861	0.53243	0.59627	1.347	1.611	0.22	0.1861	6.42E+00	3.44E-01	5.54E-05	2.10E-02	4.22E-01	1.51E-01	1.56E+00	1.27E+00	7.65E+00
2468	496956.82	3859264.83	0.91385	0.18699	0.52855	0.59874	1.301	1.514	0.2206	0.18699	6.37E+00	3.45E-01	5.50E-05	2.11E-02	4.08E-01	1.42E-01	1.56E+00	1.27E+00	7.58E+00
2469	497056.82	3859264.83	0.91214	0.19174	0.53285	0.60892	1.287	1.437	0.2209	0.19174	6.36E+00	3.54E-01	5.55E-05	2.14E-02	4.03E-01	1.35E-01	1.57E+00	1.30E+00	7.53E+00
2470	497156.82	3859264.83	0.91338	0.19522	0.53703	0.61717	1.304	1.373	0.2223	0.19522	6.37E+00	3.61E-01	5.59E-05	2.17E-02	4.09E-01	1.29E-01	1.58E+00	1.33E+00	7.54E+00
2471	497256.82	3859264.83	0.92367	0.20639	0.54089	0.63777	1.332	1.309	0.2278	0.20639	6.44E+00	3.81E-01	5.63E-05	2.24E-02	4.17E-01	1.23E-01	1.61E+00	1.40E+00	7.59E+00
2472	497088.92	3858620.93	0.65063	0.16469	0.43079	0.42282	1.243	1.581	0.1901	0.16469	4.54E+00	3.04E-01	4.48E-05	1.49E-02	3.89E-01	1.49E-01	1.35E+00	1.12E+00	5.62E+00
2473	497138.92	3858620.93	0.65043	0.16562	0.43053	0.4208	1.251	1.54	0.1902	0.16562	4.53E+00	3.06E-01	4.48E-05	1.48E-02	3.92E-01	1.45E-01	1.35E+00	1.13E+00	5.61E+00
2474	497188.92	3858620.93	0.64153	0.16557	0.4339	0.41657	1.251	1.458	0.189	0.16557	4.47E+00	3.06E-01	4.52E-05	1.47E-02	3.92E-01	1.37E-01	1.34E+00	1.13E+00	5.54E+00

2475	497238.92	3858620.93	0.63817	0.1656	0.43312	0.41349	1.253	1.413	0.1877	0.1656	4.45E+00	3.06E-01	4.51E-05	1.46E-02	3.93E-01	1.33E-01	1.33E+00	1.13E+00	5.50E+00
2476	497088.92	3858670.93	0.66654	0.16341	0.44283	0.42834	1.219	1.526	0.1904	0.16341	4.65E+00	3.02E-01	4.61E-05	1.51E-02	3.82E-01	1.43E-01	1.35E+00	1.11E+00	5.73E+00
2477	497138.92	3858670.93	0.6703	0.16364	0.44389	0.43157	1.225	1.494	0.1909	0.16364	4.67E+00	3.02E-01	4.62E-05	1.52E-02	3.84E-01	1.40E-01	1.35E+00	1.11E+00	5.75E+00
2478	497188.92	3858670.93	0.66464	0.16416	0.44092	0.4288	1.218	1.448	0.1904	0.16416	4.63E+00	3.03E-01	4.59E-05	1.51E-02	3.82E-01	1.36E-01	1.35E+00	1.12E+00	5.70E+00
2479	497238.92	3858670.93	0.66344	0.16517	0.44126	0.42851	1.217	1.417	0.1901	0.16517	4.63E+00	3.05E-01	4.59E-05	1.51E-02	3.81E-01	1.33E-01	1.35E+00	1.12E+00	5.68E+00
2480	497088.92	3858720.93	0.69063	0.16231	0.45476	0.44807	1.228	1.557	0.192	0.16231	4.81E+00	3.00E-01	4.73E-05	1.58E-02	3.85E-01	1.46E-01	1.36E+00	1.10E+00	5.92E+00
2481	497138.92	3858720.93	0.67233	0.16196	0.44684	0.43666	1.208	1.496	0.1909	0.16196	4.69E+00	2.99E-01	4.65E-05	1.54E-02	3.79E-01	1.41E-01	1.35E+00	1.10E+00	5.77E+00
2482	497188.92	3858720.93	0.66802	0.16265	0.44617	0.4366	1.197	1.455	0.1905	0.16265	4.66E+00	3.00E-01	4.64E-05	1.54E-02	3.75E-01	1.37E-01	1.35E+00	1.11E+00	5.73E+00
2483	497238.92	3858720.93	0.67776	0.16419	0.44953	0.44009	1.211	1.425	0.1909	0.16419	4.73E+00	3.03E-01	4.68E-05	1.55E-02	3.80E-01	1.34E-01	1.35E+00	1.12E+00	5.79E+00
2484	497088.92	3858770.93	0.71698	0.16052	0.47596	0.44094	1.289	1.526	0.1928	0.16052	5.00E+00	2.96E-01	4.96E-05	1.55E-02	4.04E-01	1.43E-01	1.37E+00	1.09E+00	6.13E+00
2485	497138.92	3858770.93	0.70559	0.16079	0.47052	0.43499	1.248	1.466	0.1913	0.16079	4.92E+00	2.97E-01	4.90E-05	1.53E-02	3.91E-01	1.38E-01	1.36E+00	1.09E+00	6.02E+00
2486	497188.92	3858770.93	0.70062	0.16217	0.46194	0.43469	1.223	1.44	0.1913	0.16217	4.88E+00	3.00E-01	4.81E-05	1.53E-02	3.83E-01	1.35E-01	1.36E+00	1.10E+00	5.97E+00
2487	497238.92	3858770.93	0.71177	0.16321	0.46577	0.43904	1.219	1.396	0.1925	0.16321	4.96E+00	3.01E-01	4.85E-05	1.55E-02	3.82E-01	1.31E-01	1.36E+00	1.11E+00	6.05E+00
2488	497396.65	3858622.63	0.68669	0.16944	0.44614	0.44704	1.344	1.338	0.1993	0.16944	4.79E+00	3.13E-01	4.64E-05	1.57E-02	4.21E-01	1.26E-01	1.41E+00	1.15E+00	5.92E+00
2489	497496.65	3858622.63	0.71371	0.1687	0.45209	0.47175	1.429	1.299	0.2	0.1687	4.98E+00	3.12E-01	4.71E-05	1.66E-02	4.48E-01	1.22E-01	1.42E+00	1.15E+00	6.14E+00
2490	497596.65	3858622.63	0.75474	0.17043	0.46334	0.50475	1.536	1.281	0.2064	0.17043	5.26E+00	3.15E-01	4.82E-05	1.78E-02	4.81E-01	1.20E-01	1.46E+00	1.16E+00	6.50E+00
2491	497696.65	3858622.63	0.76446	0.17242	0.46377	0.51719	1.533	1.28	0.2063	0.17242	5.33E+00	3.18E-01	4.83E-05	1.82E-02	4.80E-01	1.20E-01	1.46E+00	1.17E+00	6.56E+00
2492	497796.65	3858622.63	0.79168	0.17364	0.47254	0.54068	1.53	1.238	0.2075	0.17364	5.52E+00	3.21E-01	4.92E-05	1.90E-02	4.80E-01	1.16E-01	1.47E+00	1.18E+00	6.74E+00
2493	497896.65	3858622.63	0.80498	0.17207	0.48528	0.56023	1.525	1.212	0.2098	0.17207	5.61E+00	3.18E-01	5.05E-05	1.97E-02	4.78E-01	1.14E-01	1.49E+00	1.17E+00	6.86E+00
2494	497396.65	3858722.63	0.74806	0.17074	0.47292	0.47372	1.264	1.358	0.2018	0.17074	5.22E+00	3.15E-01	4.92E-05	1.67E-02	3.96E-01	1.28E-01	1.43E+00	1.16E+00	6.34E+00
2495	497496.65	3858722.63	0.76674	0.17344	0.48073	0.50398	1.308	1.308	0.2094	0.17344	5.35E+00	3.20E-01	5.00E-05	1.77E-02	4.10E-01	1.23E-01	1.48E+00	1.18E+00	6.52E+00
2496	497596.65	3858722.63	0.79985	0.17278	0.49256	0.53387	1.416	1.266	0.2148	0.17278	5.58E+00	3.19E-01	5.13E-05	1.88E-02	4.44E-01	1.19E-01	1.52E+00	1.17E+00	6.82E+00
2497	497696.65	3858722.63	0.821	0.17366	0.49897	0.56054	1.492	1.237	0.2167	0.17366	5.72E+00	3.21E-01	5.19E-05	1.97E-02	4.68E-01	1.16E-01	1.54E+00	1.18E+00	7.00E+00
2498	497796.65	3858722.63	0.83047	0.17408	0.50192	0.58331	1.562	1.207	0.2163	0.17408	5.79E+00	3.22E-01	5.23E-05	2.05E-02	4.89E-01	1.13E-01	1.53E+00	1.18E+00	7.08E+00
2499	497896.65	3858722.63	0.83985	0.1782	0.50992	0.60085	1.622	1.206	0.2195	0.1782	5.86E+00	3.29E-01	5.31E-05	2.11E-02	5.08E-01	1.13E-01	1.55E+00	1.21E+00	7.17E+00
2500	497396.65	3858822.63	0.78652	0.16935	0.47254	0.50852	1.314	1.329	0.1972	0.16935	5.48E+00	3.13E-01	4.92E-05	1.79E-02	4.12E-01	1.25E-01	1.40E+00	1.15E+00	6.60E+00
2501	497496.65	3858822.63	0.79564	0.17118	0.4846	0.52264	1.328	1.295	0.205	0.17118	5.55E+00	3.16E-01	5.04E-05	1.84E-02	4.16E-01	1.22E-01	1.45E+00	1.16E+00	6.71E+00
2502	497596.65	3858822.63	0.83984	0.17666	0.50114	0.5608	1.359	1.278	0.2128	0.17666	5.86E+00	3.26E-01	5.22E-05	1.97E-02	4.26E-01	1.20E-01	1.51E+00	1.20E+00	7.05E+00
2503	497696.65	3858822.63	0.84944	0.17796	0.511	0.57392	1.365	1.231	0.2188	0.17796	5.92E+00	3.29E-01	5.32E-05	2.02E-02	4.28E-01	1.16E-01	1.55E+00	1.21E+00	7.15E+00
2504	497796.65	3858822.63	0.86086	0.17828	0.5115	0.59302	1.406	1.177	0.2242	0.17828	6.00E+00	3.29E-01	5.33E-05	2.09E-02	4.40E-01	1.11E-01	1.59E+00	1.21E+00	7.28E+00
2505	497896.65	3858822.63	0.87784	0.18558	0.53171	0.6341	1.48	1.173	0.2321	0.18558	6.12E+00	3.43E-01	5.54E-05	2.23E-02	4.64E-01	1.10E-01	1.64E+00	1.26E+00	7.44E+00
2506	497396.65	3858922.63	0.84614	0.17275	0.49545	0.53673	1.434	1.292	0.2076	0.17275	5.90E+00	3.19E-01	5.16E-05	1.89E-02	4.49E-01	1.21E-01	1.47E+00	1.17E+00	7.10E+00
2507	497496.65	3858922.63	0.87028	0.1785	0.50747	0.57878	1.498	1.293	0.214	0.1785	6.07E+00	3.30E-01	5.28E-05	2.04E-02	4.69E-01	1.22E-01	1.52E+00	1.21E+00	7.31E+00
2508	497596.65	3858922.63	0.8647	0.17792	0.50531	0.58825	1.47	1.239	0.2139	0.17792	6.03E+00	3.29E-01	5.26E-05	2.07E-02	4.60E-01	1.17E-01	1.52E+00	1.21E+00	7.26E+00
2509	497696.65	3858922.63	0.89003	0.18411	0.52573	0.6376	1.476	1.252	0.2252	0.18411	6.21E+00	3.40E-01	5.47E-05	2.24E-02	4.62E-01	1.18E-01	1.60E+00	1.25E+00	7.49E+00
2510	497796.65	3858922.63	0.89815	0.19395	0.53423	0.65022	1.454	1.258	0.2315	0.19395	6.26E+00	3.58E-01	5.56E-05	2.29E-02	4.55E-01	1.18E-01	1.64E+00	1.32E+00	7.54E+00
2511	497896.65	3858922.63	0.9146	0.20596	0.54762	0.67593	1.467	1.235	0.2451	0.20596	6.38E+00	3.80E-01	5.70E-05	2.38E-02	4.60E-01	1.16E-01	1.74E+00	1.40E+00	7.69E+00
2512	497364.44	3858201.52	0.52868	0.15536	0.36463	0.40068	1.149	1.716	0.1624	0.15536	3.69E+00	2.87E-01	3.80E-05	1.41E-02	3.60E-01	1.61E-01	1.15E+00	1.06E+00	4.60E+00
2513	497414.44	3858201.52	0.53733	0.15543	0.35571	0.40549	1.168	1.734	0.166	0.15543	3.75E+00	2.87E-01	3.70E-05	1.43E-02	3.66E-01	1.63E-01	1.18E+00	1.06E+00	4.70E+00
2514	497464.44	3858201.52	0.5458	0.15583	0.35844	0.41317	1.179	1.67	0.1707	0.15583	3.81E+00	2.88E-01	3.73E-05	1.45E-02	3.70E-01	1.57E-01	1.21E+00	1.06E+00	4.78E+00
2515	497514.44	3858201.52	0.55002	0.15742	0.37642	0.41599	1.181	1.571	0.1724	0.15742	3.83E+00	2.91E-01	3.92E-05	1.46E-02	3.70E-01	1.48E-01	1.22E+00	1.07E+00	4.81E+00
2516	497564.44	3858201.52	0.54963	0.15794	0.37321	0.41747	1.175	1.491	0.1712	0.15794	3.83E+00	2.92E-01	3.89E-05	1.47E-02	3.68E-01	1.40E-01	1.21E+00	1.07E+00	4.79E+00
2517	497614.44	3858201.52	0.55581	0.15766	0.37395	0.41759	1.186	1.477	0.1727	0.15766	3.87E+00	2.91E-01	3.89E-05	1.47E-02	3.72E-01	1.39E-01	1.22E+00	1.07E+00	4.84E+00
2518	497364.44	3858251.52	0.54354	0.15448	0.37232	0.39783	1.151	1.594	0.1749	0.15448	3.79E+00	2.85E-01	3.88E-05	1.40E-02	3.60E-01	1.50E-01	1.24E+00	1.05E+00	4.79E+00
2519	497414.44	3858251.52	0.56253	0.15512	0.3766	0.40859	1.191	1.564	0.1812	0.15512	3.92E+00	2.86E-01	3.92E-05	1.44E-02	3.73E-01	1.47E-01	1.28E+00	1.05E+00	4.97E+00
2520	497464.44	3858251.52	0.55612	0.15493	0.37581	0.40532	1.176	1.516	0.1797	0.15493	3.88E+00	2.86E-01	3.91E-05	1.43E-02	3.68E-01	1.42E-01	1.27E+00	1.05E+00	4.91E+00
2521	497514.44	3858251.52	0.54851	0.15482	0.37179	0.39964	1.151	1.522	0.175	0.15482	3.82E+00	2.86E-01	3.87E-05	1.41E-02	3.61E-01	1.43E-01	1.24E+00	1.05E+00	4.81E+00
2522	497564.44	3858251.52	0.54801	0.15474	0.36958	0.39809	1.147	1.46	0.1729	0.15474	3.82E+00	2.86E-01	3.85E-05	1.40E-02	3.59E-01	1.37E-01	1.23E+00	1.05E+00	4.79E+00
2523	497614.44	3858251.52	0.54857	0.15564	0.36916	0.40007	1.144	1.419	0.1723	0.15564	3.82E+00	2.87E-01	3.84E-05	1.41E-02	3.59E-01	1.33E-01	1.22E+00	1.06E+00	4.78E+00
2524	497364.44	3858301.52	0.56286	0.15519	0.37955	0.41368	1.184	1.582	0.1805	0.15519	3.92E+00	2.87E-01	3.95E-05	1.46E-02	3.71E-01	1.49E-01	1.28E+00	1.06E+00	4.97E+00
2525	497414.44	3858301.52	0.57581	0.15527	0.38234	0.42441	1.191	1.534	0.1823	0.15527	4.01E+00	2.87E-01	3.98E-05	1.49E-02	3.73E-01	1.44E-01	1.29E+00	1.06E+00	5.07E+00
2526	497464.44	3858301.52	0.56516	0.15486	0.38055	0.40948	1.184	1.454	0.1803	0.15486	3.94E+00	2.86E-01	3.96E-05	1.44E-02	3.71E-01	1.37E-01	1.28E+00	1.05E+00	4.97E+00
2527	497514.44	3858301.52	0.55934	0.15391	0.3802	0.39936	1.176	1.407	0.1801	0.15391	3.90E+00	2.84E-01	3.96E-05	1.41E-02	3.69E-01	1.32E-01	1.28E+00	1.05E+00	4.93E+00
2528	497564.44	3858301.52	0.54936	0.15415	0.37565	0.3863	1.16	1.403	0.1776	0.15415	3.83E+00	2.85E-01	3.91E-05	1.36E-02	3.64E-01	1.32E-01	1.26E+00	1.05E+00	4.83E+00
2529	497614.44	3858301.52	0.54883	0.15424	0.37354	0.38536	1.149	1.344	0.1777	0.15424	3.83E+00	2.85E-01	3.89E-05	1.36E-02	3.60E-01	1.26E-01	1.26E+00	1.05E+00	4.82E+00
2530	497364.44	3858351.52	0.5819	0.15613	0.39773	0.42032	1.203	1.531	0.1865	0.15613	4.06E+00	2.88E-01	4.14E-05	1.48E-02	3.77E-01	1.44E-01	1.32E+00	1.06E+00	5.14E+00
2531	497414.44	3858351.52	0.578	0.15589	0.39344	0.41936	1.177	1.497	0.1848	0.15589	4.03E+00	2.88E-01	4.10E-05	1.48E-02	3.69E-01	1.41E-01	1.31E+00	1.06E+00	5.09E+00
2532	497464.44	3858351.52	0.57867	0.15565	0.39216	0.42206	1.165	1.423	0.1854	0.15565	4.03E+00	2.87E-01	4.08E-05	1.49E-02	3.65E-01	1.34E-01	1.31E+00	1.06E+00	5.09E+00
2533	497514.44	3858351.52	0.57593	0.15558	0.38943	0.42019	1.16	1.379	0.1841	0.15558	4.02E+00	2.87E-01	4.05E-05	1.48E-02	3.63E-01	1.30E-01	1.30E+00	1.06E+00	5.06E+00

2534	497564.44	3858351.52	0.56132	0.15343	0.38778	0.4091	1.15	1.32	0.1815	0.15343	3.91E+00	2.83E-01	4.04E-05	1.44E-02	3.60E-01	1.24E-01	1.29E+00	1.04E+00	4.94E+00
2535	497614.44	3858351.52	0.56061	0.15363	0.38593	0.40558	1.148	1.292	0.181	0.15363	3.91E+00	2.84E-01	4.02E-05	1.43E-02	3.60E-01	1.21E-01	1.28E+00	1.04E+00	4.93E+00
2536	497364.44	3858401.52	0.58106	0.15757	0.39581	0.41618	1.198	1.481	0.1887	0.15757	4.05E+00	2.91E-01	4.12E-05	1.46E-02	3.75E-01	1.39E-01	1.34E+00	1.07E+00	5.14E+00
2537	497414.44	3858401.52	0.58252	0.15711	0.40083	0.4185	1.216	1.434	0.1871	0.15711	4.06E+00	2.90E-01	4.17E-05	1.47E-02	3.81E-01	1.35E-01	1.33E+00	1.07E+00	5.14E+00
2538	497464.44	3858401.52	0.57762	0.15644	0.39772	0.41624	1.213	1.36	0.1855	0.15644	4.03E+00	2.89E-01	4.14E-05	1.47E-02	3.80E-01	1.28E-01	1.31E+00	1.06E+00	5.09E+00
2539	497514.44	3858401.52	0.57652	0.1562	0.39762	0.4166	1.209	1.303	0.1852	0.1562	4.02E+00	2.88E-01	4.14E-05	1.47E-02	3.79E-01	1.22E-01	1.31E+00	1.06E+00	5.07E+00
2540	497564.44	3858401.52	0.59325	0.15604	0.40152	0.42913	1.217	1.277	0.1852	0.15604	4.14E+00	2.88E-01	4.18E-05	1.51E-02	3.81E-01	1.20E-01	1.31E+00	1.06E+00	5.19E+00
2541	497614.44	3858401.52	0.61425	0.16343	0.39943	0.44437	1.227	1.25	0.1856	0.16343	4.28E+00	3.02E-01	4.16E-05	1.56E-02	3.85E-01	1.17E-01	1.31E+00	1.11E+00	5.31E+00
2542	493478.11	3860497.94	1.22639	1.2243	1.24121	1.77176	0.772	4.45	1.1564	1.2243	8.55E+00	2.26E+00	1.29E-04	6.24E-02	2.42E-01	4.18E-01	8.19E+00	8.33E+00	1.14E+01
2543	493528.11	3860497.94	1.21569	1.1969	1.22969	1.72534	0.788	4.42	1.142	1.1969	8.48E+00	2.21E+00	1.28E-04	6.07E-02	2.47E-01	4.15E-01	8.09E+00	8.14E+00	1.14E+01
2544	493478.11	3860547.94	1.22348	1.22404	1.18151	1.85545	0.689	3.983	1.2105	1.22404	8.53E+00	2.26E+00	1.23E-04	6.53E-02	2.16E-01	3.74E-01	8.58E+00	8.32E+00	1.17E+01
2545	493528.11	3860547.94	1.20869	1.21616	1.18806	1.7959	0.719	3.867	1.1984	1.21616	8.43E+00	2.25E+00	1.24E-04	6.32E-02	2.25E-01	3.63E-01	8.49E+00	8.27E+00	1.15E+01
2546	493478.11	3860597.94	1.2119	1.26104	1.14184	1.65142	0.627	3.673	1.2435	1.26104	8.45E+00	2.33E+00	1.19E-04	5.81E-02	1.97E-01	3.45E-01	8.81E+00	8.57E+00	1.16E+01
2547	493528.11	3860597.94	1.19831	1.2563	1.13491	1.65829	0.645	3.611	1.2404	1.2563	8.35E+00	2.32E+00	1.18E-04	5.84E-02	2.02E-01	3.39E-01	8.79E+00	8.54E+00	1.15E+01
2548	493561.88	3860524.64	1.20237	1.21604	1.20039	1.71841	0.773	4.065	1.1598	1.21604	8.38E+00	2.25E+00	1.25E-04	6.05E-02	2.42E-01	3.82E-01	8.22E+00	8.27E+00	1.13E+01
2549	493591.88	3860524.64	1.19935	1.19685	1.20274	1.67927	0.78	4.043	1.1416	1.19685	8.36E+00	2.21E+00	1.25E-04	5.91E-02	2.44E-01	3.80E-01	8.09E+00	8.14E+00	1.12E+01
2550	493561.88	3860554.64	1.19657	1.20481	1.18059	1.76562	0.729	3.798	1.193	1.20481	8.34E+00	2.23E+00	1.23E-04	6.21E-02	2.29E-01	3.57E-01	8.45E+00	8.19E+00	1.15E+01
2551	493591.88	3860554.64	1.19099	1.19742	1.18467	1.72628	0.752	3.784	1.1673	1.19742	8.30E+00	2.21E+00	1.23E-04	6.08E-02	2.36E-01	3.56E-01	8.27E+00	8.14E+00	1.13E+01
2552	492880.5	3860293.11	1.4134	1.43239	1.57637	2.8028	0.71	10.28	1.4061	1.43239	9.85E+00	2.65E+00	1.64E-04	9.86E-02	2.23E-01	9.66E-01	9.96E+00	9.74E+00	1.40E+01
2553	492930.5	3860293.11	1.38829	1.38655	1.58959	2.81675	0.745	11.12	1.3752	1.38655	9.68E+00	2.56E+00	1.65E-04	9.91E-02	2.33E-01	1.04E+00	9.74E+00	9.43E+00	1.39E+01
2554	492980.5	3860293.11	1.36629	1.35974	1.57917	2.82803	0.763	11.81	1.3346	1.35974	9.53E+00	2.51E+00	1.64E-04	9.95E-02	2.39E-01	1.11E+00	9.46E+00	9.25E+00	1.37E+01
2555	493030.5	3860293.11	1.36974	1.32489	1.5466	2.78299	0.821	12.09	1.3096	1.32489	9.55E+00	2.45E+00	1.61E-04	9.80E-02	2.57E-01	1.14E+00	9.28E+00	9.01E+00	1.38E+01
2556	493080.5	3860293.11	1.38096	1.23789	1.5417	2.75492	0.866	11.55	1.2342	1.23789	9.63E+00	2.29E+00	1.61E-04	9.70E-02	2.71E-01	1.09E+00	8.74E+00	8.42E+00	1.37E+01
2557	493130.5	3860293.11	1.349	1.26843	1.52384	2.70753	0.863	12.31	1.2577	1.26843	9.40E+00	2.34E+00	1.59E-04	9.53E-02	2.70E-01	1.16E+00	8.91E+00	8.63E+00	1.36E+01
2558	493180.5	3860293.11	1.32315	1.26369	1.47801	2.57249	0.849	12.19	1.2208	1.26369	9.22E+00	2.33E+00	1.54E-04	9.05E-02	2.66E-01	1.15E+00	8.65E+00	8.59E+00	1.31E+01
2559	493230.5	3860293.11	1.30909	1.23856	1.43255	2.48279	0.839	11.91	1.1955	1.23856	9.13E+00	2.29E+00	1.49E-04	8.74E-02	2.63E-01	1.12E+00	8.47E+00	8.42E+00	1.29E+01
2560	493280.5	3860293.11	1.30867	1.20726	1.39672	2.44653	0.845	12.69	1.1484	1.20726	9.12E+00	2.23E+00	1.45E-04	8.61E-02	2.65E-01	1.19E+00	8.14E+00	8.21E+00	1.28E+01
2561	493330.5	3860293.11	1.3028	1.18251	1.3654	2.38949	0.847	12.92	1.112	1.18251	9.08E+00	2.18E+00	1.42E-04	8.41E-02	2.66E-01	1.21E+00	7.88E+00	8.04E+00	1.27E+01
2562	493380.5	3860293.11	1.29469	1.1575	1.33779	2.34074	0.822	12.89	1.0819	1.1575	9.03E+00	2.14E+00	1.39E-04	8.24E-02	2.58E-01	1.21E+00	7.67E+00	7.87E+00	1.25E+01
2563	492880.5	3860343.11	1.42971	1.51645	1.5208	2.50226	0.663	9.622	1.45	1.51645	9.97E+00	2.80E+00	1.58E-04	8.81E-02	2.08E-01	9.04E-01	1.03E+01	1.03E+01	1.39E+01
2564	492930.5	3860343.11	1.40728	1.46946	1.50179	2.4765	0.671	8.58	1.3908	1.46946	9.81E+00	2.71E+00	1.56E-04	8.72E-02	2.10E-01	8.06E-01	9.85E+00	9.99E+00	1.35E+01
2565	492980.5	3860343.11	1.39908	1.39209	1.50636	2.48608	0.709	7.583	1.3331	1.39209	9.75E+00	2.57E+00	1.57E-04	8.75E-02	2.22E-01	7.13E-01	9.45E+00	9.47E+00	1.33E+01
2566	493030.5	3860343.11	1.37383	1.35835	1.49009	2.47857	0.728	7.504	1.303	1.35835	9.58E+00	2.51E+00	1.55E-04	8.72E-02	2.28E-01	7.05E-01	9.23E+00	9.24E+00	1.31E+01
2567	493080.5	3860343.11	1.37123	1.30232	1.51376	2.49687	0.758	7.288	1.2725	1.30232	9.56E+00	2.41E+00	1.58E-04	8.79E-02	2.38E-01	6.85E-01	9.02E+00	8.86E+00	1.31E+01
2568	493130.5	3860343.11	1.35175	1.28149	1.48262	2.49637	0.807	7.588	1.2736	1.28149	9.42E+00	2.37E+00	1.54E-04	8.79E-02	2.53E-01	7.13E-01	9.02E+00	8.71E+00	1.32E+01
2569	493180.5	3860343.11	1.32447	1.2653	1.47386	2.51012	0.837	7.691	1.2424	1.2653	9.23E+00	2.34E+00	1.53E-04	8.83E-02	2.62E-01	7.23E-01	8.80E+00	8.60E+00	1.28E+01
2570	493230.5	3860343.11	1.30995	1.23573	1.47428	2.49084	0.842	7.624	1.2263	1.23573	9.13E+00	2.28E+00	1.53E-04	8.77E-02	2.64E-01	7.17E-01	8.69E+00	8.40E+00	1.28E+01
2571	493280.5	3860343.11	1.30684	1.20942	1.47134	2.4785	0.835	7.931	1.2087	1.20942	9.11E+00	2.23E+00	1.53E-04	8.72E-02	2.62E-01	7.46E-01	8.56E+00	8.22E+00	1.28E+01
2572	493330.5	3860343.11	1.30098	1.17939	1.43426	2.47285	0.827	8.115	1.1859	1.17939	9.07E+00	2.18E+00	1.49E-04	8.70E-02	2.59E-01	7.63E-01	8.40E+00	8.02E+00	1.27E+01
2573	493380.5	3860343.11	1.29152	1.16538	1.39008	2.4258	0.826	8.109	1.1561	1.16538	9.00E+00	2.15E+00	1.45E-04	8.54E-02	2.59E-01	7.62E-01	8.19E+00	7.92E+00	1.25E+01
2574	492880.5	3860393.11	1.40954	1.53383	1.44995	2.49896	0.599	10.19	1.5059	1.53383	9.83E+00	2.83E+00	1.51E-04	8.80E-02	1.88E-01	9.58E-01	1.07E+01	1.04E+01	1.41E+01
2575	492930.5	3860393.11	1.40233	1.5006	1.44621	2.43194	0.626	8.621	1.4377	1.5006	9.78E+00	2.77E+00	1.51E-04	8.56E-02	1.96E-01	8.10E-01	1.02E+01	1.02E+01	1.36E+01
2576	492980.5	3860393.11	1.39631	1.42708	1.45407	2.30814	0.656	7.446	1.3407	1.42708	9.73E+00	2.64E+00	1.51E-04	8.12E-02	2.05E-01	7.00E-01	9.50E+00	9.70E+00	1.32E+01
2577	493030.5	3860393.11	1.38158	1.37552	1.4406	2.22644	0.667	6.879	1.3005	1.37552	9.63E+00	2.54E+00	1.50E-04	7.84E-02	2.09E-01	6.47E-01	9.21E+00	9.35E+00	1.30E+01
2578	493080.5	3860393.11	1.37382	1.32813	1.44965	2.22797	0.701	6.459	1.2625	1.32813	9.58E+00	2.45E+00	1.51E-04	7.84E-02	2.20E-01	6.07E-01	8.95E+00	9.03E+00	1.29E+01
2579	493130.5	3860393.11	1.34135	1.32425	1.43608	2.11334	0.708	6.464	1.2655	1.32425	9.35E+00	2.45E+00	1.50E-04	7.44E-02	2.22E-01	6.08E-01	8.97E+00	9.00E+00	1.27E+01
2580	493180.5	3860393.11	1.31163	1.28987	1.37787	2.09571	0.738	6.366	1.2464	1.28987	9.14E+00	2.38E+00	1.43E-04	7.38E-02	2.31E-01	5.98E-01	8.83E+00	8.77E+00	1.25E+01
2581	493230.5	3860393.11	1.29636	1.25864	1.37159	2.12168	0.782	6.214	1.2338	1.25864	9.04E+00	2.32E+00	1.43E-04	7.47E-02	2.45E-01	5.84E-01	8.74E+00	8.56E+00	1.24E+01
2582	493280.5	3860393.11	1.29223	1.22595	1.39443	2.14802	0.82	6.272	1.2083	1.22595	9.01E+00	2.26E+00	1.45E-04	7.56E-02	2.57E-01	5.90E-01	8.56E+00	8.34E+00	1.24E+01
2583	493330.5	3860393.11	1.28856	1.19904	1.39809	2.18034	0.831	6.31	1.2041	1.19904	8.98E+00	2.21E+00	1.46E-04	7.67E-02	2.60E-01	5.93E-01	8.53E+00	8.15E+00	1.25E+01
2584	493380.5	3860393.11	1.28124	1.16971	1.38977	2.18779	0.822	6.256	1.1837	1.16971	8.93E+00	2.16E+00	1.45E-04	7.70E-02	2.58E-01	5.88E-01	8.39E+00	7.95E+00	1.24E+01
2585	492880.5	3860443.11	1.38388	1.59071	1.40381	2.37072	0.569	8.452	1.5701	1.59071	9.65E+00	2.94E+00	1.46E-04	8.34E-02	1.78E-01	7.94E-01	1.11E+01	1.08E+01	1.40E+01
2586	492930.5	3860443.11	1.37417	1.55578	1.38944	2.29337	0.579	8.172	1.5201	1.55578	9.58E+00	2.87E+00	1.45E-04	8.07E-02	1.81E-01	7.68E-01	1.08E+01	1.06E+01	1.37E+01
2587	492980.5	3860443.11	1.37073	1.46217	1.39385	2.32316	0.593	7.741	1.4422	1.46217	9.56E+00	2.70E+00	1.45E-04	8.18E-02	1.86E-01	7.28E-01	1.02E+01	9.94E+00	1.35E+01
2588	493030.5	3860443.11	1.36829	1.4192	1.36933	2.33967	0.622	6.868	1.3571	1.4192	9.54E+00	2.62E+00	1.43E-04	8.23E-02	1.95E-01	6.46E-01	9.62E+00	9.65E+00	1.30E+01
2589	493080.5	3860443.11	1.3603	1.38144	1.34314	2.27636	0.638	6.348	1.3094	1.38144	9.48E+00	2.55E+00	1.40E-04	8.01E-02	2.00E-01	5.97E-01	9.28E+00	9.39E+00	1.28E+01
2590	493130.5	3860443.11	1.34683	1.3467	1.35734	2.18366	0.66	6.023	1.2798	1.3467	9.39E+00	2.49E+00	1.41E-04	7.69E-02	2.07E-01	5.66E-01	9.07E+00	9.16E+00	1.26E+01
2591	493180.5	3860443.11	1.31587	1.35661	1.35852	2.06748	0.672	5.778	1.3042	1.35661	9.17E+00	2.51E+00	1.41E-04	7.28E-02	2.10E-01	5.43E-01	9.24E+00	9.22E+00	1.25E+01
2592	493230.5	3860443.11	1.30042	1.30051	1.33899	1.98214	0.691	5.713	1.2257	1.30051	9.07E+00	2.40E+00	1.39E-04	6.98E-02	2.17E-01	5.37E-01	8.68E+00	8.84E+00	1.21E+01

2593	493280.5	3860443.11	1.28842	1.26136	1.32445	1.97656	0.727	5.509	1.1911	1.26136	8.98E+00	2.33E+00	1.38E-04	6.96E-02	2.28E-01	5.18E-01	8.44E+00	8.58E+00	1.20E+01
2594	493330.5	3860443.11	1.28163	1.23234	1.34514	1.90258	0.773	5.363	1.1826	1.23234	8.94E+00	2.28E+00	1.40E-04	6.70E-02	2.42E-01	5.04E-01	8.38E+00	8.38E+00	1.20E+01
2595	493380.5	3860443.11	1.26673	1.20444	1.32417	1.82316	0.801	5.2	1.1667	1.20444	8.83E+00	2.22E+00	1.38E-04	6.42E-02	2.51E-01	4.89E-01	8.27E+00	8.19E+00	1.19E+01
2596	493180.5	3860493.11	1.3189	1.35851	1.28211	2.09382	0.621	4.899	1.3153	1.35851	9.19E+00	2.51E+00	1.33E-04	7.37E-02	1.95E-01	4.60E-01	9.32E+00	9.24E+00	1.25E+01
2597	493230.5	3860493.11	1.31183	1.31327	1.2697	2.10739	0.646	4.915	1.2622	1.31327	9.15E+00	2.43E+00	1.32E-04	7.42E-02	2.02E-01	4.62E-01	8.94E+00	8.93E+00	1.23E+01
2598	493280.5	3860493.11	1.29729	1.27167	1.26321	2.04366	0.657	4.8	1.2291	1.27167	9.04E+00	2.35E+00	1.32E-04	7.19E-02	2.06E-01	4.51E-01	8.71E+00	8.65E+00	1.22E+01
2599	493330.5	3860493.11	1.27762	1.24064	1.27539	1.96968	0.681	4.697	1.2007	1.24064	8.91E+00	2.29E+00	1.33E-04	6.93E-02	2.14E-01	4.42E-01	8.51E+00	8.44E+00	1.20E+01
2600	493380.5	3860493.11	1.26071	1.22972	1.27845	1.87898	0.714	4.628	1.1733	1.22972	8.79E+00	2.27E+00	1.33E-04	6.61E-02	2.24E-01	4.35E-01	8.31E+00	8.36E+00	1.17E+01
2601	493330.5	3860543.11	1.27269	1.26144	1.21572	1.86573	0.629	4.255	1.2346	1.26144	8.87E+00	2.33E+00	1.27E-04	6.57E-02	1.97E-01	4.00E-01	8.75E+00	8.58E+00	1.20E+01
2602	493380.5	3860543.11	1.25741	1.24798	1.20259	1.9023	0.645	4.156	1.2221	1.24798	8.77E+00	2.30E+00	1.25E-04	6.70E-02	2.02E-01	3.91E-01	8.66E+00	8.49E+00	1.19E+01
2603	494135.94	3860876.85	1.01812	1.32806	0.91158	1.3161	0.602	2.156	1.3607	1.32806	7.10E+00	2.45E+00	9.49E-05	4.63E-02	1.89E-01	2.03E-01	9.64E+00	9.03E+00	1.06E+01
2604	494185.94	3860876.85	1.01097	1.31544	0.9015	1.27585	0.617	2.074	1.3529	1.31544	7.05E+00	2.43E+00	9.39E-05	4.49E-02	1.93E-01	1.95E-01	9.59E+00	8.94E+00	1.06E+01
2605	494135.94	3860926.85	1.00665	1.4042	0.83578	1.31368	0.56	2.012	1.4359	1.4042	7.02E+00	2.59E+00	8.70E-05	4.62E-02	1.76E-01	1.89E-01	1.02E+01	9.55E+00	1.06E+01
2606	494185.94	3860926.85	1.00202	1.38667	0.84843	1.30898	0.572	1.992	1.4169	1.38667	6.99E+00	2.56E+00	8.83E-05	4.61E-02	1.79E-01	1.87E-01	1.00E+01	9.43E+00	1.06E+01
2607	494135.94	3860976.85	0.98824	1.493	0.78778	1.27951	0.527	1.842	1.5127	1.493	6.89E+00	2.76E+00	8.20E-05	4.50E-02	1.65E-01	1.73E-01	1.07E+01	1.02E+01	1.06E+01
2608	494185.94	3860976.85	0.98996	1.48067	0.80206	1.2687	0.539	1.803	1.4991	1.48067	6.90E+00	2.73E+00	8.35E-05	4.47E-02	1.69E-01	1.69E-01	1.06E+01	1.01E+01	1.06E+01
2609	494135.94	3861026.85	0.94776	1.63834	0.70641	1.2346	0.483	1.627	1.5914	1.63834	6.61E+00	3.03E+00	7.35E-05	4.35E-02	1.51E-01	1.53E-01	1.13E+01	1.11E+01	1.01E+01
2610	494185.94	3861026.85	0.9511	1.62345	0.72325	1.2309	0.502	1.633	1.564	1.62345	6.63E+00	3.00E+00	7.53E-05	4.33E-02	1.57E-01	1.53E-01	1.11E+01	1.10E+01	1.00E+01
2611	494135.94	3861076.85	0.9071	1.81288	0.68905	1.15677	0.444	1.488	1.7701	1.81288	6.32E+00	3.35E+00	7.17E-05	4.07E-02	1.39E-01	1.40E-01	1.25E+01	1.23E+01	1.02E+01
2612	494185.94	3861076.85	0.91094	1.79579	0.67807	1.14967	0.46	1.455	1.7315	1.79579	6.35E+00	3.32E+00	7.06E-05	4.05E-02	1.44E-01	1.37E-01	1.23E+01	1.22E+01	1.00E+01
2613	490360.04	3858710.04	2.34636	1.34325	2.17014	4.37799	3.199	2.901	1.3225	1.34325	1.64E+01	2.48E+00	2.26E-04	1.54E-01	1.00E+00	2.73E-01	9.37E+00	9.13E+00	2.05E+01
2614	490410.04	3858710.04	2.31447	1.29925	2.35352	4.08165	3.123	2.762	1.2779	1.29925	1.61E+01	2.40E+00	2.45E-04	1.44E-01	9.79E-01	2.60E-01	9.05E+00	8.83E+00	2.01E+01
2615	490460.04	3858710.04	2.29468	1.23181	2.1393	4.13534	3.325	2.606	1.2067	1.23181	1.60E+01	2.28E+00	2.23E-04	1.46E-01	1.04E+00	2.45E-01	8.55E+00	8.38E+00	1.99E+01
2616	490510.04	3858710.04	2.27082	1.18672	2.20455	3.98314	3.584	2.534	1.1551	1.18672	1.58E+01	2.19E+00	2.30E-04	1.40E-01	1.12E+00	2.38E-01	8.18E+00	8.07E+00	1.96E+01
2617	490560.04	3858710.04	2.23894	1.15202	2.08613	4.09375	3.791	2.461	1.112	1.15202	1.56E+01	2.13E+00	2.17E-04	1.44E-01	1.19E+00	2.31E-01	7.88E+00	7.83E+00	1.93E+01
2618	490610.04	3858710.04	2.2099	1.11915	2.02195	4.22838	3.774	2.382	1.0802	1.11915	1.54E+01	2.07E+00	2.10E-04	1.49E-01	1.18E+00	2.24E-01	7.65E+00	7.61E+00	1.91E+01
2619	490660.04	3858710.04	2.18706	1.10293	1.69322	4.13743	3.742	2.341	1.0688	1.10293	1.52E+01	2.04E+00	1.76E-04	1.46E-01	1.17E+00	2.20E-01	7.57E+00	7.50E+00	1.89E+01
2620	490710.04	3858710.04	2.17477	1.05584	1.75125	4.05614	3.612	2.238	1.0208	1.05584	1.52E+01	1.95E+00	1.82E-04	1.43E-01	1.13E+00	2.10E-01	7.23E+00	7.18E+00	1.87E+01
2621	490760.04	3858710.04	2.16426	1.01144	1.72805	4.08828	3.634	2.155	0.9682	1.01144	1.51E+01	1.87E+00	1.80E-04	1.44E-01	1.14E+00	2.03E-01	6.86E+00	6.88E+00	1.84E+01
2622	490810.04	3858710.04	2.15688	0.96999	1.72068	3.99766	3.543	2.092	0.9175	0.96999	1.50E+01	1.79E+00	1.79E-04	1.41E-01	1.11E+00	1.97E-01	6.50E+00	6.60E+00	1.82E+01
2623	490860.04	3858710.04	2.15524	0.9165	1.71533	3.85377	3.572	1.993	0.8589	0.9165	1.50E+01	1.69E+00	1.79E-04	1.36E-01	1.12E+00	1.87E-01	6.09E+00	6.23E+00	1.80E+01
2624	490360.04	3858760.04	2.34033	1.384	2.24874	4.08608	3.107	2.836	1.3677	1.384	1.63E+01	2.56E+00	2.34E-04	1.44E-01	9.74E-01	2.67E-01	9.69E+00	9.41E+00	2.05E+01
2625	490410.04	3858760.04	2.31332	1.33191	2.2936	4.06268	3.173	2.745	1.3153	1.33191	1.61E+01	2.46E+00	2.39E-04	1.43E-01	9.94E-01	2.58E-01	9.32E+00	9.06E+00	2.02E+01
2626	490460.04	3858760.04	2.2923	1.27484	2.21999	3.93432	2.998	2.639	1.2496	1.27484	1.60E+01	2.35E+00	2.31E-04	1.38E-01	9.39E-01	2.48E-01	8.85E+00	8.67E+00	1.98E+01
2627	490510.04	3858760.04	2.273	1.21398	2.17298	3.90674	2.918	2.53	1.1755	1.21398	1.58E+01	2.24E+00	2.26E-04	1.38E-01	9.14E-01	2.38E-01	8.33E+00	8.25E+00	1.95E+01
2628	490560.04	3858760.04	2.25174	1.17069	2.04508	4.04841	3.113	2.453	1.1251	1.17069	1.57E+01	2.16E+00	2.13E-04	1.42E-01	9.75E-01	2.31E-01	7.97E+00	7.96E+00	1.92E+01
2629	490610.04	3858760.04	2.2337	1.12537	2.00779	3.81412	3.374	2.361	1.0772	1.12537	1.56E+01	2.08E+00	2.09E-04	1.34E-01	1.06E+00	2.22E-01	7.63E+00	7.65E+00	1.90E+01
2630	490660.04	3858760.04	2.21573	1.08643	1.94066	3.7412	3.613	2.29	1.033	1.08643	1.54E+01	2.01E+00	2.02E-04	1.32E-01	1.13E+00	2.15E-01	7.32E+00	7.39E+00	1.89E+01
2631	490710.04	3858760.04	2.19	1.03855	1.88216	3.72918	3.669	2.2	0.9918	1.03855	1.53E+01	1.92E+00	1.96E-04	1.31E-01	1.15E+00	2.07E-01	7.03E+00	7.06E+00	1.86E+01
2632	490760.04	3858760.04	2.17903	0.97561	1.84848	3.755	3.586	2.09	0.926	0.97561	1.52E+01	1.80E+00	1.92E-04	1.32E-01	1.12E+00	1.96E-01	6.56E+00	6.63E+00	1.84E+01
2633	490810.04	3858760.04	2.17124	0.92473	1.8449	3.6678	3.478	2.006	0.8712	0.92473	1.51E+01	1.71E+00	1.92E-04	1.29E-01	1.09E+00	1.89E-01	6.17E+00	6.29E+00	1.81E+01
2634	490860.04	3858760.04	2.16084	0.88609	1.8137	3.53478	3.401	1.945	0.8377	0.88609	1.51E+01	1.64E+00	1.89E-04	1.24E-01	1.07E+00	1.83E-01	5.94E+00	6.03E+00	1.80E+01
2635	490360.04	3858810.04	2.3282	1.41242	2.34797	4.05833	2.615	2.886	1.3967	1.41242	1.62E+01	2.61E+00	2.44E-04	1.43E-01	8.19E-01	2.71E-01	9.90E+00	9.60E+00	2.04E+01
2636	490410.04	3858810.04	2.30635	1.35498	2.29564	3.96974	2.747	2.766	1.3305	1.35498	1.61E+01	2.50E+00	2.39E-04	1.40E-01	8.61E-01	2.60E-01	9.43E+00	9.21E+00	2.01E+01
2637	490460.04	3858810.04	2.28772	1.2947	2.30436	3.88483	2.979	2.625	1.2615	1.2947	1.59E+01	2.39E+00	2.40E-04	1.37E-01	9.33E-01	2.47E-01	8.94E+00	8.80E+00	1.98E+01
2638	490510.04	3858810.04	2.26723	1.24651	2.21886	3.87337	3.009	2.542	1.2102	1.24651	1.58E+01	2.30E+00	2.31E-04	1.36E-01	9.43E-01	2.39E-01	8.57E+00	8.48E+00	1.95E+01
2639	490560.04	3858810.04	2.24851	1.20177	2.13293	3.7381	2.81	2.463	1.1507	1.20177	1.57E+01	2.22E+00	2.22E-04	1.32E-01	8.80E-01	2.32E-01	8.15E+00	8.17E+00	1.91E+01
2640	490610.04	3858810.04	2.23472	1.13419	2.23881	3.66371	2.73	2.341	1.0816	1.13419	1.56E+01	2.09E+00	2.33E-04	1.29E-01	8.55E-01	2.20E-01	7.66E+00	7.71E+00	1.88E+01
2641	490660.04	3858810.04	2.21862	1.0734	2.15615	3.53346	2.917	2.241	1.0388	1.0734	1.55E+01	1.98E+00	2.24E-04	1.24E-01	9.14E-01	2.11E-01	7.36E+00	7.30E+00	1.88E+01
2642	490710.04	3858810.04	2.20648	1.00655	1.98656	3.48946	3.121	2.122	0.9722	1.00655	1.54E+01	1.86E+00	2.07E-04	1.23E-01	9.78E-01	1.99E-01	6.89E+00	6.84E+00	1.86E+01
2643	490760.04	3858810.04	2.20072	0.93806	1.99259	3.40576	3.426	1.988	0.8874	0.93806	1.53E+01	1.73E+00	2.07E-04	1.20E-01	1.07E+00	1.87E-01	6.29E+00	6.38E+00	1.84E+01
2644	490810.04	3858810.04	2.17945	0.91647	2.03224	3.42095	3.564	1.946	0.8653	0.91647	1.52E+01	1.69E+00	2.12E-04	1.20E-01	1.12E+00	1.83E-01	6.13E+00	6.23E+00	1.82E+01
2645	490860.04	3858810.04	2.17071	0.8695	2.09634	3.25937	3.44	1.863	0.8147	0.8695	1.51E+01	1.61E+00	2.18E-04	1.15E-01	1.08E+00	1.75E-01	5.77E+00	5.91E+00	1.80E+01
2646	490360.04	3858860.04	2.32825	1.42953	2.22759	4.01838	2.404	2.844	1.398	1.42953	1.62E+01	2.64E+00	2.32E-04	1.41E-01	7.53E-01	2.67E-01	9.91E+00	9.72E+00	2.02E+01
2647	490410.04	3858860.04	2.30037	1.39106	2.2845	3.98013	2.38	2.769	1.3617	1.39106	1.60E+01	2.57E+00	2.38E-04	1.40E-01	7.46E-01	2.60E-01	9.65E+00	9.46E+00	1.99E+01
2648	490460.04	3858860.04	2.28317	1.31781	2.39462	3.89413	2.496	2.676	1.275	1.31781	1.59E+01	2.43E+00	2.49E-04	1.37E-01	7.82E-01	2.52E-01	9.03E+00	8.96E+00	1.96E+01
2649	490510.04	3858860.04	2.25944	1.28626	1.98034	3.76949	2.663	2.603	1.2433	1.28626	1.58E+01	2.38E+00	2.06E-04	1.33E-01	8.34E-01	2.45E-01	8.81E+00	8.75E+00	1.94E+01
2650	490560.04	3858860.04	2.24711	1.21915	2.02558	3.68042	2.826	2.492	1.1638	1.21915	1.57E+01	2.25E+00	2.11E-04	1.30E-01	8.85E-01	2.34E-01	8.25E+00	8.29E+00	1.91E+01
2651	490610.04	3858860.04	2.2439	1.11237	1.95238	3.53639	2.829	2.351	1.08	1.11237	1.56E+01	2.05E+00	2.03E-04	1.24E-01	8.86E-01	2.21E-01	7.65E+00	7.56E+00	1.90E+01

2652	490660.04	3858860.04	2.22875	1.05295	2.12029	3.3892	2.64	2.226	1.0343	1.05295	1.55E+01	1.94E+00	2.21E-04	1.19E-01	8.27E-01	2.09E-01	7.33E+00	7.16E+00	1.88E+01
2653	490710.04	3858860.04	2.20909	1.02004	2.15742	3.29523	2.561	2.132	0.9862	1.02004	1.54E+01	1.88E+00	2.25E-04	1.16E-01	8.02E-01	2.00E-01	6.99E+00	6.94E+00	1.85E+01
2654	490760.04	3858860.04	2.20277	0.95479	2.30693	3.26659	2.735	2.009	0.8964	0.95479	1.54E+01	1.76E+00	2.40E-04	1.15E-01	8.57E-01	1.89E-01	6.35E+00	6.49E+00	1.81E+01
2655	490810.04	3858860.04	2.19605	0.89514	2.22994	3.08244	2.92	1.902	0.8349	0.89514	1.53E+01	1.65E+00	2.32E-04	1.08E-01	9.15E-01	1.79E-01	5.92E+00	6.09E+00	1.80E+01
2656	490860.04	3858860.04	2.19085	0.83409	2.3115	2.82183	3.155	1.813	0.7644	0.83409	1.53E+01	1.54E+00	2.41E-04	9.93E-02	9.89E-01	1.70E-01	5.42E+00	5.67E+00	1.78E+01
2657	490360.04	3858910.04	2.32286	1.50407	2.21098	4.13239	2.262	3.004	1.4756	1.50407	1.62E+01	2.78E+00	2.30E-04	1.45E-01	7.09E-01	2.82E-01	1.05E+01	1.02E+01	2.03E+01
2658	490410.04	3858910.04	2.29834	1.44301	2.25874	3.91849	2.243	2.896	1.4064	1.44301	1.60E+01	2.67E+00	2.35E-04	1.38E-01	7.03E-01	2.72E-01	9.96E+00	9.81E+00	2.00E+01
2659	490460.04	3858910.04	2.279	1.37485	1.92496	3.72767	2.279	2.793	1.3283	1.37485	1.59E+01	2.54E+00	2.00E-04	1.31E-01	7.14E-01	2.63E-01	9.41E+00	9.35E+00	1.96E+01
2660	490510.04	3858910.04	2.26486	1.29903	1.967	3.69877	2.281	2.671	1.2469	1.29903	1.58E+01	2.40E+00	2.05E-04	1.30E-01	7.15E-01	2.51E-01	8.84E+00	8.83E+00	1.93E+01
2661	490560.04	3858910.04	2.25478	1.2062	2.0558	3.60148	2.385	2.52	1.1531	1.2062	1.57E+01	2.23E+00	2.14E-04	1.27E-01	7.47E-01	2.37E-01	8.17E+00	8.20E+00	1.90E+01
2662	490610.04	3858910.04	2.24718	1.11096	2.22778	3.44373	2.581	2.34	1.0844	1.11096	1.57E+01	2.05E+00	2.32E-04	1.21E-01	8.09E-01	2.20E-01	7.68E+00	7.55E+00	1.90E+01
2663	490660.04	3858910.04	2.23484	1.05362	2.48206	3.29328	2.682	2.224	1.0277	1.05362	1.56E+01	1.95E+00	2.58E-04	1.16E-01	8.40E-01	2.09E-01	7.28E+00	7.16E+00	1.88E+01
2664	490710.04	3858910.04	2.22387	0.99347	2.57595	3.12293	2.651	2.119	0.9308	0.99347	1.55E+01	1.83E+00	2.68E-04	1.10E-01	8.31E-01	1.99E-01	6.59E+00	6.76E+00	1.83E+01
2665	490760.04	3858910.04	2.22031	0.91833	2.77676	2.98358	2.478	1.984	0.8488	0.91833	1.55E+01	1.70E+00	2.89E-04	1.05E-01	7.76E-01	1.87E-01	6.01E+00	6.24E+00	1.80E+01
2666	490810.04	3858910.04	2.20993	0.87266	2.7636	2.81066	2.414	1.898	0.796	0.87266	1.54E+01	1.61E+00	2.88E-04	9.89E-02	7.56E-01	1.78E-01	5.64E+00	5.93E+00	1.78E+01
2667	490860.04	3858910.04	2.21186	0.80466	2.78397	2.56923	2.556	1.767	0.7264	0.80466	1.54E+01	1.49E+00	2.90E-04	9.04E-02	8.01E-01	1.66E-01	5.15E+00	5.47E+00	1.76E+01
2668	490360.04	3858960.04	2.33741	1.53876	2.18523	4.09742	2.194	3.041	1.5015	1.53876	1.63E+01	2.84E+00	2.27E-04	1.44E-01	6.87E-01	2.86E-01	1.06E+01	1.05E+01	2.04E+01
2669	490410.04	3858960.04	2.31344	1.4576	2.07211	3.86955	2.205	2.927	1.4128	1.4576	1.61E+01	2.69E+00	2.16E-04	1.36E-01	6.91E-01	2.75E-01	1.00E+01	9.91E+00	2.00E+01
2670	490460.04	3858960.04	2.29532	1.37021	2.22219	3.67479	2.101	2.758	1.3161	1.37021	1.60E+01	2.53E+00	2.31E-04	1.29E-01	6.58E-01	2.59E-01	9.33E+00	9.32E+00	1.96E+01
2671	490510.04	3858960.04	2.27828	1.28088	2.24487	3.59288	2.137	2.589	1.2333	1.28088	1.59E+01	2.37E+00	2.34E-04	1.26E-01	6.70E-01	2.43E-01	8.74E+00	8.71E+00	1.93E+01
2672	490560.04	3858960.04	2.26316	1.19024	2.51838	3.52935	2.18	2.466	1.1528	1.19024	1.58E+01	2.20E+00	2.62E-04	1.24E-01	6.83E-01	2.32E-01	8.17E+00	8.09E+00	1.91E+01
2673	490610.04	3858960.04	2.25805	1.09399	2.73977	3.27379	2.218	2.323	1.0575	1.09399	1.57E+01	2.02E+00	2.85E-04	1.15E-01	6.95E-01	2.18E-01	7.49E+00	7.44E+00	1.88E+01
2674	490660.04	3858960.04	2.23981	1.0516	3.1562	3.13802	2.29	2.262	1.0122	1.0516	1.56E+01	1.94E+00	3.29E-04	1.10E-01	7.17E-01	2.13E-01	7.17E+00	7.15E+00	1.86E+01
2675	490710.04	3858960.04	2.23538	0.97513	3.29395	3.0033	2.459	2.136	0.8986	0.97513	1.56E+01	1.80E+00	3.43E-04	1.06E-01	7.70E-01	2.01E-01	6.37E+00	6.63E+00	1.82E+01
2676	490760.04	3858960.04	2.23025	0.91204	3.17708	2.76328	2.543	2.017	0.8255	0.91204	1.55E+01	1.68E+00	3.31E-04	9.73E-02	7.97E-01	1.90E-01	5.85E+00	6.20E+00	1.80E+01
2677	490810.04	3858960.04	2.22838	0.8484	3.19998	2.53548	2.474	1.906	0.7642	0.8484	1.55E+01	1.57E+00	3.33E-04	8.92E-02	7.75E-01	1.79E-01	5.41E+00	5.77E+00	1.78E+01
2678	490860.04	3858960.04	2.23471	0.78356	3.20777	2.34931	2.314	1.773	0.697	0.78356	1.56E+01	1.45E+00	3.34E-04	8.27E-02	7.25E-01	1.67E-01	4.94E+00	5.33E+00	1.76E+01
2679	490360.04	3859010.04	2.38743	1.5731	2.23135	4.0936	2.194	2.983	1.5339	1.5731	1.66E+01	2.91E+00	2.32E-04	1.44E-01	6.87E-01	2.80E-01	1.09E+01	1.07E+01	2.08E+01
2680	490410.04	3859010.04	2.34302	1.47798	2.50453	3.92522	2.124	2.843	1.4334	1.47798	1.63E+01	2.73E+00	2.61E-04	1.38E-01	6.66E-01	2.67E-01	1.02E+01	1.01E+01	2.02E+01
2681	490460.04	3859010.04	2.31291	1.33409	2.79406	3.65009	2.116	2.668	1.2975	1.33409	1.61E+01	2.46E+00	2.91E-04	1.28E-01	6.63E-01	2.51E-01	9.19E+00	9.07E+00	1.98E+01
2682	490510.04	3859010.04	2.30232	1.21852	3.0318	3.42254	2.011	2.519	1.1678	1.21852	1.61E+01	2.25E+00	3.16E-04	1.20E-01	6.30E-01	2.37E-01	8.27E+00	8.29E+00	1.93E+01
2683	490560.04	3859010.04	2.28134	1.16884	3.31681	3.33052	1.962	2.435	1.1125	1.16884	1.59E+01	2.16E+00	3.45E-04	1.17E-01	6.15E-01	2.29E-01	7.88E+00	7.95E+00	1.90E+01
2684	490610.04	3859010.04	2.27477	1.07031	3.52585	3.07977	2.05	2.285	1.0144	1.07031	1.59E+01	1.98E+00	3.67E-04	1.08E-01	6.42E-01	2.15E-01	7.19E+00	7.28E+00	1.87E+01
2685	490660.04	3859010.04	2.25491	1.02509	3.70785	2.97269	2.075	2.214	0.9756	1.02509	1.57E+01	1.89E+00	3.86E-04	1.05E-01	6.50E-01	2.08E-01	6.91E+00	6.97E+00	1.85E+01
2686	490710.04	3859010.04	2.25802	0.96397	3.7024	2.77624	2.115	2.1	0.8685	0.96397	1.57E+01	1.78E+00	3.85E-04	9.77E-02	6.63E-01	1.97E-01	6.15E+00	6.55E+00	1.81E+01
2687	490760.04	3859010.04	2.2615	0.89589	3.83219	2.58166	2.191	1.977	0.7955	0.89589	1.58E+01	1.65E+00	3.99E-04	9.09E-02	6.87E-01	1.86E-01	5.64E+00	6.09E+00	1.79E+01
2688	490810.04	3859010.04	2.26778	0.8357	3.8536	2.31547	2.336	1.859	0.7334	0.8357	1.58E+01	1.54E+00	4.01E-04	8.15E-02	7.32E-01	1.75E-01	5.20E+00	5.68E+00	1.79E+01
2689	490860.04	3859010.04	2.27182	0.78706	3.75695	2.17752	2.382	1.75	0.6837	0.78706	1.58E+01	1.45E+00	3.91E-04	7.66E-02	7.46E-01	1.65E-01	4.84E+00	5.35E+00	1.78E+01
2690	490360.04	3859060.04	2.40025	1.60623	3.16691	4.20065	2.28	2.992	1.5455	1.60623	1.67E+01	2.97E+00	3.30E-04	1.48E-01	7.14E-01	2.81E-01	1.10E+01	1.09E+01	2.09E+01
2691	490410.04	3859060.04	2.37757	1.43964	3.59214	3.81132	2.2	2.753	1.3903	1.43964	1.66E+01	2.66E+00	3.74E-04	1.34E-01	6.89E-01	2.59E-01	9.85E+00	9.79E+00	2.04E+01
2692	490460.04	3859060.04	2.35822	1.32952	4.04056	3.53188	2.097	2.561	1.2532	1.32952	1.64E+01	2.46E+00	4.21E-04	1.24E-01	6.57E-01	2.41E-01	8.88E+00	9.04E+00	1.98E+01
2693	490510.04	3859060.04	2.33452	1.2371	3.94164	3.33572	1.945	2.413	1.1489	1.2371	1.63E+01	2.28E+00	4.10E-04	1.17E-01	6.09E-01	2.27E-01	8.14E+00	8.41E+00	1.92E+01
2694	490560.04	3859060.04	2.32519	1.12978	4.07204	3.09452	1.943	2.283	1.0281	1.12978	1.62E+01	2.09E+00	4.24E-04	1.09E-01	6.09E-01	2.15E-01	7.28E+00	7.68E+00	1.88E+01
2695	490610.04	3859060.04	2.31365	1.0779	4.34568	2.91098	1.845	2.21	0.9655	1.0779	1.61E+01	1.99E+00	4.52E-04	1.02E-01	5.78E-01	2.08E-01	6.84E+00	7.33E+00	1.85E+01
2696	490660.04	3859060.04	2.30212	1.01905	4.6904	2.75364	1.865	2.143	0.9159	1.01905	1.60E+01	1.88E+00	4.88E-04	9.69E-02	5.84E-01	2.01E-01	6.49E+00	6.93E+00	1.84E+01
2697	490710.04	3859060.04	2.30707	0.94073	4.67507	2.55254	1.92	2.001	0.8424	0.94073	1.61E+01	1.74E+00	4.87E-04	8.98E-02	6.02E-01	1.88E-01	5.97E+00	6.40E+00	1.83E+01
2698	490760.04	3859060.04	2.30985	0.87092	4.59633	2.36517	1.972	1.888	0.7722	0.87092	1.61E+01	1.61E+00	4.79E-04	8.32E-02	6.18E-01	1.77E-01	5.47E+00	5.92E+00	1.81E+01
2699	490810.04	3859060.04	2.31431	0.8163	4.22494	2.14634	2.025	1.791	0.7041	0.8163	1.61E+01	1.51E+00	4.40E-04	7.55E-02	6.34E-01	1.68E-01	4.99E+00	5.55E+00	1.80E+01
2700	490860.04	3859060.04	2.30282	0.76865	4.34447	1.97118	1.996	1.705	0.658	0.76865	1.61E+01	1.42E+00	4.52E-04	6.94E-02	6.25E-01	1.60E-01	4.66E+00	5.23E+00	1.78E+01
2701	490360.04	3859110.04	2.43378	1.66472	4.81527	4.31647	2.184	3.011	1.5753	1.66472	1.70E+01	3.07E+00	5.01E-04	1.52E-01	6.84E-01	2.83E-01	1.12E+01	1.13E+01	2.10E+01
2702	490410.04	3859110.04	2.41565	1.48218	4.77437	3.91998	2.233	2.786	1.4129	1.48218	1.68E+01	2.74E+00	4.97E-04	1.38E-01	7.00E-01	2.62E-01	1.00E+01	1.01E+01	2.06E+01
2703	490460.04	3859110.04	2.39353	1.38258	5.05478	3.64327	2.208	2.607	1.3029	1.38258	1.67E+01	2.55E+00	5.26E-04	1.28E-01	6.92E-01	2.45E-01	9.23E+00	9.40E+00	2.01E+01
2704	490510.04	3859110.04	2.3881	1.20464	5.16309	3.21878	2.105	2.369	1.1091	1.20464	1.66E+01	2.22E+00	5.38E-04	1.13E-01	6.60E-01	2.23E-01	7.86E+00	8.19E+00	1.95E+01
2705	490560.04	3859110.04	2.3741	1.1296	5.31165	2.96691	1.913	2.255	1.0235	1.1296	1.66E+01	2.09E+00	5.53E-04	1.04E-01	5.99E-01	2.12E-01	7.25E+00	7.68E+00	1.91E+01
2706	490610.04	3859110.04	2.35251	1.03206	5.25249	2.72394	1.852	2.116	0.9407	1.03206	1.64E+01	1.91E+00	5.47E-04	9.59E-02	5.80E-01	1.99E-01	6.67E+00	7.02E+00	1.88E+01
2707	490660.04	3859110.04	2.35497	0.94861	5.34724	2.48941	1.77	2.007	0.8401	0.94861	1.64E+01	1.75E+00	5.57E-04	8.76E-02	5.55E-01	1.89E-01	5.95E+00	6.45E+00	1.85E+01
2708	490710.04	3859110.04	2.34488	0.90962	5.39811	2.37144	1.735	1.929	0.7997	0.90962	1.63E+01	1.68E+00	5.62E-04	8.35E-02	5.44E-01	1.81E-01	5.67E+00	6.19E+00	1.83E+01
2709	490760.04	3859110.04	2.34133	0.85465	5.73522	2.17378	1.745	1.829	0.7337	0.85465	1.63E+01	1.58E+00	5.97E-04	7.65E-02	5.47E-01	1.72E-01	5.20E+00	5.81E+00	1.81E+01
2710	490810.04	3859110.04	2.33162	0.80093	5.34534	1.98551	1.633	1.719	0.6716	0.80093	1.63E+01	1.48E+00	5.56E-04	6.99E-02	5.12E-01	1.62E-01	4.76E+00	5.45E+00	1.78E+01

2711	490860.04	3859110.04	2.32316	0.74425	4.6673	1.77549	1.627	1.598	0.622	0.74425	1.62E+01	1.37E+00	4.86E-04	6.25E-02	5.10E-01	1.50E-01	4.41E+00	5.06E+00	1.76E+01
2712	490360.04	3859160.04	2.47432	1.74249	6.65474	4.50766	1.946	3.098	1.6551	1.74249	1.73E+01	3.22E+00	6.93E-04	1.59E-01	6.10E-01	2.91E-01	1.17E+01	1.18E+01	2.14E+01
2713	490410.04	3859160.04	2.4508	1.56139	7.15703	4.09372	2.133	2.868	1.4803	1.56139	1.71E+01	2.88E+00	7.45E-04	1.44E-01	6.68E-01	2.70E-01	1.05E+01	1.06E+01	2.09E+01
2714	490460.04	3859160.04	2.42894	1.41418	7.30048	3.65548	2.162	2.632	1.325	1.41418	1.69E+01	2.61E+00	7.60E-04	1.29E-01	6.78E-01	2.47E-01	9.39E+00	9.62E+00	2.04E+01
2715	490510.04	3859160.04	2.40245	1.29549	7.488	3.25701	2.168	2.438	1.1988	1.29549	1.67E+01	2.39E+00	7.80E-04	1.15E-01	6.79E-01	2.29E-01	8.49E+00	8.81E+00	1.99E+01
2716	490560.04	3859160.04	2.3987	1.16368	7.34421	2.95129	2.107	2.228	1.0398	1.16368	1.67E+01	2.15E+00	7.65E-04	1.04E-01	6.60E-01	2.09E-01	7.37E+00	7.91E+00	1.93E+01
2717	490610.04	3859160.04	2.39187	1.08869	7.64628	2.69772	1.938	2.132	0.952	1.08869	1.67E+01	2.01E+00	7.96E-04	9.49E-02	6.07E-01	2.00E-01	6.74E+00	7.40E+00	1.89E+01
2718	490660.04	3859160.04	2.39802	0.94996	6.93418	2.36215	1.802	1.897	0.8122	0.94996	1.67E+01	1.75E+00	7.22E-04	8.31E-02	5.65E-01	1.78E-01	5.75E+00	6.46E+00	1.86E+01
2719	490710.04	3859160.04	2.38419	0.90539	6.00487	2.20281	1.683	1.814	0.7649	0.90539	1.66E+01	1.67E+00	6.25E-04	7.75E-02	5.27E-01	1.71E-01	5.42E+00	6.16E+00	1.83E+01
2720	490760.04	3859160.04	2.38441	0.83019	5.57234	1.93422	1.43	1.659	0.681	0.83019	1.66E+01	1.53E+00	5.80E-04	6.81E-02	4.48E-01	1.56E-01	4.82E+00	5.65E+00	1.80E+01
2721	490810.04	3859160.04	2.36743	0.77957	5.45054	1.77233	1.321	1.562	0.6411	0.77957	1.65E+01	1.44E+00	5.67E-04	6.24E-02	4.14E-01	1.47E-01	4.54E+00	5.30E+00	1.78E+01
2722	490860.04	3859160.04	2.36891	0.72943	4.91312	1.67843	1.333	1.486	0.5993	0.72943	1.65E+01	1.35E+00	5.11E-04	5.91E-02	4.18E-01	1.40E-01	4.25E+00	4.96E+00	1.78E+01
2723	490360.04	3859210.04	2.49981	1.84008	10.82024	4.74017	1.639	3.209	1.7618	1.84008	1.74E+01	3.40E+00	1.13E-03	1.67E-01	5.14E-01	3.02E-01	1.25E+01	1.25E+01	2.18E+01
2724	490410.04	3859210.04	2.47777	1.71871	11.50328	4.36004	1.791	3.019	1.6298	1.71871	1.73E+01	3.17E+00	1.20E-03	1.53E-01	5.61E-01	2.84E-01	1.15E+01	1.17E+01	2.13E+01
2725	490460.04	3859210.04	2.46515	1.50129	10.90804	3.70958	2.006	2.609	1.3787	1.50129	1.72E+01	2.77E+00	1.14E-03	1.31E-01	6.29E-01	2.45E-01	9.77E+00	1.02E+01	2.05E+01
2726	490510.04	3859210.04	2.44797	1.34739	9.99217	3.27129	2.097	2.417	1.2184	1.34739	1.71E+01	2.49E+00	1.04E-03	1.15E-01	6.57E-01	2.27E-01	8.63E+00	9.16E+00	2.00E+01
2727	490560.04	3859210.04	2.42558	1.25257	9.24767	3.04355	2.12	2.283	1.1146	1.25257	1.69E+01	2.31E+00	9.63E-04	1.07E-01	6.64E-01	2.15E-01	7.90E+00	8.52E+00	1.96E+01
2728	490610.04	3859210.04	2.40449	1.14016	8.53738	2.69551	2.104	2.145	0.9968	1.14016	1.68E+01	2.11E+00	8.89E-04	9.49E-02	6.59E-01	2.02E-01	7.06E+00	7.75E+00	1.91E+01
2729	490660.04	3859210.04	2.42262	1.01073	7.71557	2.42763	1.958	1.92	0.8521	1.01073	1.69E+01	1.87E+00	8.03E-04	8.54E-02	6.13E-01	1.80E-01	6.04E+00	6.87E+00	1.88E+01
2730	490710.04	3859210.04	2.41963	0.93489	6.81354	2.1859	1.753	1.771	0.7808	0.93489	1.69E+01	1.73E+00	7.09E-04	7.69E-02	5.49E-01	1.66E-01	5.53E+00	6.36E+00	1.86E+01
2731	490760.04	3859210.04	2.42267	0.8501	6.17185	1.89724	1.523	1.601	0.7155	0.8501	1.69E+01	1.57E+00	6.43E-04	6.68E-02	4.77E-01	1.50E-01	5.07E+00	5.78E+00	1.84E+01
2732	490810.04	3859210.04	2.38206	0.83884	6.14944	1.88631	1.399	1.585	0.7006	0.83884	1.66E+01	1.55E+00	6.40E-04	6.64E-02	4.38E-01	1.49E-01	4.96E+00	5.70E+00	1.81E+01
2733	490860.04	3859210.04	2.35803	0.81701	5.88214	1.81532	1.312	1.559	0.6822	0.81701	1.64E+01	1.51E+00	6.12E-04	6.39E-02	4.11E-01	1.47E-01	4.83E+00	5.56E+00	1.78E+01
2734	490360.04	3859260.04	2.54866	1.94319	14.23578	4.71797	1.458	3.273	1.8857	1.94319	1.78E+01	3.59E+00	1.48E-03	1.66E-01	4.57E-01	3.08E-01	1.34E+01	1.32E+01	2.24E+01
2735	490410.04	3859260.04	2.51227	1.77851	13.21088	4.40664	1.517	3.01	1.6907	1.77851	1.75E+01	3.28E+00	1.38E-03	1.55E-01	4.75E-01	2.83E-01	1.20E+01	1.21E+01	2.16E+01
2736	490460.04	3859260.04	2.48046	1.66729	12.95622	4.10957	1.654	2.811	1.5585	1.66729	1.73E+01	3.08E+00	1.35E-03	1.45E-01	5.18E-01	2.64E-01	1.10E+01	1.13E+01	2.10E+01
2737	490510.04	3859260.04	2.46224	1.55895	12.09855	3.76195	1.801	2.625	1.4343	1.55895	1.72E+01	2.88E+00	1.26E-03	1.32E-01	5.64E-01	2.47E-01	1.02E+01	1.06E+01	2.06E+01
2738	490560.04	3859260.04	2.43906	1.40976	10.83143	3.4195	2.04	2.453	1.273	1.40976	1.70E+01	2.60E+00	1.13E-03	1.20E-01	6.39E-01	2.31E-01	9.02E+00	9.59E+00	2.00E+01
2739	490610.04	3859260.04	2.43561	1.23887	10.13923	2.83365	2.061	2.222	1.0817	1.23887	1.70E+01	2.29E+00	1.06E-03	9.97E-02	6.46E-01	2.09E-01	7.66E+00	8.42E+00	1.95E+01
2740	490660.04	3859260.04	2.40593	1.19332	9.31358	2.73444	2.05	2.172	1.0465	1.19332	1.68E+01	2.20E+00	9.70E-04	9.62E-02	6.42E-01	2.04E-01	7.41E+00	8.11E+00	1.92E+01
2741	490710.04	3859260.04	2.39205	1.10503	8.67193	2.50372	1.977	2.049	0.9512	1.10503	1.67E+01	2.04E+00	9.03E-04	8.81E-02	6.20E-01	1.93E-01	6.74E+00	7.51E+00	1.88E+01
2742	490760.04	3859260.04	2.41168	0.99582	7.71846	2.18264	1.745	1.851	0.8469	0.99582	1.68E+01	1.84E+00	8.04E-04	7.68E-02	5.47E-01	1.74E-01	6.00E+00	6.77E+00	1.87E+01
2743	490810.04	3859260.04	2.38455	0.96074	7.19487	2.07374	1.639	1.798	0.8137	0.96074	1.66E+01	1.77E+00	7.49E-04	7.30E-02	5.13E-01	1.69E-01	5.77E+00	6.53E+00	1.84E+01
2744	490860.04	3859260.04	2.35044	0.92597	6.93408	1.9974	1.495	1.741	0.7783	0.92597	1.64E+01	1.71E+00	7.22E-04	7.03E-02	4.68E-01	1.64E-01	5.51E+00	6.30E+00	1.80E+01
2745	490360.04	3859310.04	2.59353	2.15939	16.37001	5.10366	1.404	3.549	2.11	2.15939	1.81E+01	3.99E+00	1.70E-03	1.80E-01	4.40E-01	3.34E-01	1.49E+01	1.47E+01	2.33E+01
2746	490410.04	3859310.04	2.55661	1.9657	15.81689	4.79965	1.373	3.27	1.9156	1.9657	1.78E+01	3.63E+00	1.65E-03	1.69E-01	4.30E-01	3.07E-01	1.36E+01	1.34E+01	2.26E+01
2747	490460.04	3859310.04	2.50884	1.8093	14.77471	4.31979	1.402	3.038	1.7479	1.8093	1.75E+01	3.34E+00	1.54E-03	1.52E-01	4.39E-01	2.86E-01	1.24E+01	1.23E+01	2.18E+01
2748	490510.04	3859310.04	2.46931	1.71608	14.0169	4.04542	1.523	2.865	1.6173	1.71608	1.72E+01	3.17E+00	1.46E-03	1.42E-01	4.77E-01	2.69E-01	1.15E+01	1.17E+01	2.11E+01
2749	490560.04	3859310.04	2.43633	1.61525	12.54469	3.7859	1.64	2.707	1.4986	1.61525	1.70E+01	2.98E+00	1.31E-03	1.33E-01	5.14E-01	2.54E-01	1.06E+01	1.10E+01	2.05E+01
2750	490610.04	3859310.04	2.40783	1.52881	11.26361	3.5594	1.842	2.569	1.4074	1.52881	1.68E+01	2.82E+00	1.17E-03	1.25E-01	5.77E-01	2.41E-01	9.97E+00	1.04E+01	2.01E+01
2751	490660.04	3859310.04	2.39591	1.40795	10.56302	3.25847	1.987	2.422	1.2644	1.40795	1.67E+01	2.60E+00	1.10E-03	1.15E-01	6.23E-01	2.28E-01	8.96E+00	9.57E+00	1.97E+01
2752	490710.04	3859310.04	2.39989	1.23088	9.26798	2.79698	1.999	2.181	1.0858	1.23088	1.67E+01	2.27E+00	9.65E-04	9.84E-02	6.26E-01	2.05E-01	7.69E+00	8.37E+00	1.93E+01
2753	490760.04	3859310.04	2.39061	1.13563	8.39995	2.56086	1.995	2.046	1.0116	1.13563	1.67E+01	2.10E+00	8.74E-04	9.01E-02	6.25E-01	1.92E-01	7.17E+00	7.72E+00	1.91E+01
2754	490810.04	3859310.04	2.37017	1.09517	7.89137	2.43296	1.765	1.974	0.9609	1.09517	1.65E+01	2.02E+00	8.22E-04	8.56E-02	5.53E-01	1.86E-01	6.81E+00	7.45E+00	1.87E+01
2755	490860.04	3859310.04	2.34407	1.03198	7.37311	2.21619	1.64	1.869	0.8762	1.03198	1.63E+01	1.91E+00	7.68E-04	7.80E-02	5.14E-01	1.76E-01	6.21E+00	7.02E+00	1.82E+01
2756	490360.04	3859360.04	2.64541	2.42424	18.09599	5.87578	1.39	3.898	2.3862	2.42424	1.84E+01	4.48E+00	1.88E-03	2.07E-01	4.36E-01	3.66E-01	1.69E+01	1.65E+01	2.44E+01
2757	490410.04	3859360.04	2.55078	2.2511	16.42773	5.40765	1.356	3.658	2.2134	2.2511	1.78E+01	4.16E+00	1.71E-03	1.90E-01	4.25E-01	3.44E-01	1.57E+01	1.53E+01	2.33E+01
2758	490460.04	3859360.04	2.48013	2.11403	14.88844	5.07463	1.317	3.439	2.0607	2.11403	1.73E+01	3.90E+00	1.55E-03	1.79E-01	4.13E-01	3.23E-01	1.46E+01	1.44E+01	2.23E+01
2759	490510.04	3859360.04	2.43949	1.98154	13.63953	4.71207	1.285	3.204	1.9169	1.98154	1.70E+01	3.66E+00	1.42E-03	1.66E-01	4.02E-01	3.01E-01	1.36E+01	1.35E+01	2.16E+01
2760	490560.04	3859360.04	2.41417	1.8143	12.56409	4.21958	1.391	2.967	1.7175	1.8143	1.68E+01	3.35E+00	1.31E-03	1.49E-01	4.36E-01	2.79E-01	1.22E+01	1.23E+01	2.09E+01
2761	490610.04	3859360.04	2.39734	1.67317	11.83508	3.80629	1.505	2.733	1.5497	1.67317	1.67E+01	3.09E+00	1.23E-03	1.34E-01	4.72E-01	2.57E-01	1.10E+01	1.14E+01	2.03E+01
2762	490660.04	3859360.04	2.38451	1.56014	10.80014	3.53805	1.665	2.572	1.4271	1.56014	1.66E+01	2.88E+00	1.12E-03	1.25E-01	5.22E-01	2.42E-01	1.01E+01	1.06E+01	1.99E+01
2763	490710.04	3859360.04	2.37559	1.41864	9.85035	3.12096	1.889	2.402	1.2635	1.41864	1.66E+01	2.62E+00	1.03E-03	1.10E-01	5.92E-01	2.26E-01	8.95E+00	9.65E+00	1.94E+01
2764	490760.04	3859360.04	2.37086	1.27599	9.04698	2.84319	1.945	2.206	1.1294	1.27599	1.65E+01	2.36E+00	9.42E-04	1.00E-01	6.09E-01	2.07E-01	8.00E+00	8.68E+00	1.91E+01
2765	490810.04	3859360.04	2.33821	1.24053	8.67589	2.75942	1.94	2.169	1.0974	1.24053	1.63E+01	2.29E+00	9.03E-04	9.71E-02	6.08E-01	2.04E-01	7.78E+00	8.44E+00	1.88E+01
2766	490860.04	3859360.04	2.30457	1.16047	8.093	2.58868	1.783	2.052	1.0339	1.16047	1.61E+01	2.14E+00	8.43E-04	9.11E-02	5.59E-01	1.93E-01	7.33E+00	7.89E+00	1.85E+01
2767	490360.04	3859410.04	2.6263	2.76591	17.5035	6.99019	1.166	4.534	2.7415	2.76591	1.83E+01	5.11E+00	1.82E-03	2.46E-01	3.65E-01	4.26E-01	1.94E+01	1.88E+01	2.51E+01
2768	490410.04	3859410.04	2.54734	2.58217	15.78988	6.40204	1.291	4.136	2.5604	2.58217	1.78E+01	4.77E+00	1.64E-03	2.25E-01	4.04E-01	3.89E-01	1.81E+01	1.76E+01	2.41E+01
2769	490460.04	3859410.04	2.48723	2.41403	14.39517	5.88136	1.32	3.822	2.3856	2.41403	1.73E+01	4.46E+00	1.50E-03	2.07E-01	4.14E-01	3.59E-01	1.69E+01	1.64E+01	2.33E+01

2770	490510.04	3859410.04	2.43172	2.22192	12.97379	5.3502	1.251	3.543	2.2097	2.22192	1.70E+01	4.10E+00	1.35E-03	1.88E-01	3.92E-01	3.33E-01	1.57E+01	1.51E+01	2.25E+01
2771	490560.04	3859410.04	2.38486	2.09028	11.8382	4.97528	1.225	3.314	2.0328	2.09028	1.66E+01	3.86E+00	1.23E-03	1.75E-01	3.84E-01	3.12E-01	1.44E+01	1.42E+01	2.15E+01
2772	490610.04	3859410.04	2.35733	1.93147	10.79736	4.60493	1.272	3.12	1.8606	1.93147	1.64E+01	3.57E+00	1.12E-03	1.62E-01	3.98E-01	2.93E-01	1.32E+01	1.31E+01	2.09E+01
2773	490660.04	3859410.04	2.3449	1.7491	9.96288	3.98028	1.383	2.793	1.631	1.7491	1.63E+01	3.23E+00	1.04E-03	1.40E-01	4.33E-01	2.63E-01	1.16E+01	1.19E+01	2.01E+01
2774	490710.04	3859410.04	2.33415	1.59766	9.10763	3.50734	1.531	2.555	1.4594	1.59766	1.63E+01	2.95E+00	9.48E-04	1.23E-01	4.80E-01	2.40E-01	1.03E+01	1.09E+01	1.95E+01
2775	490760.04	3859410.04	2.32736	1.43156	8.27638	3.16074	1.706	2.38	1.2932	1.43156	1.62E+01	2.64E+00	8.62E-04	1.11E-01	5.35E-01	2.24E-01	9.16E+00	9.73E+00	1.92E+01
2776	490810.04	3859410.04	2.29805	1.38518	7.69019	3.10843	1.894	2.318	1.2492	1.38518	1.60E+01	2.56E+00	8.01E-04	1.09E-01	5.94E-01	2.18E-01	8.85E+00	9.42E+00	1.89E+01
2777	490860.04	3859410.04	2.26634	1.35898	7.21394	3.03805	1.875	2.289	1.2324	1.35898	1.58E+01	2.51E+00	7.51E-04	1.07E-01	5.87E-01	2.15E-01	8.73E+00	9.24E+00	1.87E+01
2778	490360.04	3859460.04	2.64697	3.23545	14.91636	8.59068	1.115	5.16	3.1524	3.23545	1.85E+01	5.98E+00	1.55E-03	3.02E-01	3.49E-01	4.85E-01	2.23E+01	2.20E+01	2.59E+01
2779	490410.04	3859460.04	2.56575	2.93534	13.55635	7.49702	1.084	4.639	2.9225	2.93534	1.79E+01	5.42E+00	1.41E-03	2.64E-01	3.40E-01	4.36E-01	2.07E+01	2.00E+01	2.51E+01
2780	490460.04	3859460.04	2.50891	2.72562	12.74757	6.83168	1.206	4.303	2.714	2.72562	1.75E+01	5.03E+00	1.33E-03	2.40E-01	3.78E-01	4.04E-01	1.92E+01	1.85E+01	2.42E+01
2781	490510.04	3859460.04	2.4624	2.53309	11.66295	6.1864	1.301	3.984	2.5181	2.53309	1.72E+01	4.68E+00	1.21E-03	2.18E-01	4.08E-01	3.74E-01	1.78E+01	1.72E+01	2.35E+01
2782	490560.04	3859460.04	2.41722	2.36932	10.73821	5.71969	1.202	3.702	2.3423	2.36932	1.69E+01	4.38E+00	1.12E-03	2.01E-01	3.77E-01	3.48E-01	1.66E+01	1.61E+01	2.26E+01
2783	490610.04	3859460.04	2.37937	2.20694	9.87371	5.19132	1.176	3.431	2.1353	2.20694	1.66E+01	4.08E+00	1.03E-03	1.83E-01	3.68E-01	3.22E-01	1.51E+01	1.50E+01	2.17E+01
2784	490660.04	3859460.04	2.35208	1.98476	9.04756	4.59921	1.177	3.18	1.8966	1.98476	1.64E+01	3.67E+00	9.42E-04	1.62E-01	3.69E-01	2.99E-01	1.34E+01	1.35E+01	2.08E+01
2785	490710.04	3859460.04	2.3269	1.86161	8.40433	4.20908	1.276	2.998	1.7537	1.86161	1.62E+01	3.44E+00	8.75E-04	1.48E-01	4.00E-01	2.82E-01	1.24E+01	1.27E+01	2.03E+01
2786	490760.04	3859460.04	2.29909	1.75021	7.85757	3.84646	1.408	2.792	1.6217	1.75021	1.60E+01	3.23E+00	8.18E-04	1.35E-01	4.41E-01	2.62E-01	1.15E+01	1.19E+01	1.97E+01
2787	490810.04	3859460.04	2.27838	1.62441	7.25921	3.52978	1.554	2.627	1.4887	1.62441	1.59E+01	3.00E+00	7.56E-04	1.24E-01	4.87E-01	2.47E-01	1.05E+01	1.10E+01	1.92E+01
2788	490860.04	3859460.04	2.24564	1.56222	6.81023	3.39033	1.738	2.546	1.4349	1.56222	1.57E+01	2.89E+00	7.09E-04	1.19E-01	5.44E-01	2.39E-01	1.02E+01	1.06E+01	1.90E+01
2789	490360.04	3859510.04	2.75716	3.79039	13.98561	11.06254	1.275	6.159	3.7197	3.79039	1.92E+01	7.00E+00	1.46E-03	3.89E-01	4.00E-01	5.79E-01	2.64E+01	2.58E+01	2.82E+01
2790	490410.04	3859510.04	2.71797	3.49863	12.94812	9.73283	1.077	5.566	3.4699	3.49863	1.89E+01	6.46E+00	1.35E-03	3.43E-01	3.37E-01	5.23E-01	2.46E+01	2.38E+01	2.74E+01
2791	490460.04	3859510.04	2.65233	3.22771	11.21994	8.582	1.01	4.956	3.1638	3.22771	1.85E+01	5.96E+00	1.17E-03	3.02E-01	3.17E-01	4.66E-01	2.24E+01	2.19E+01	2.60E+01
2792	490510.04	3859510.04	2.58512	2.98003	10.50346	7.63725	1.124	4.549	2.9283	2.98003	1.80E+01	5.50E+00	1.09E-03	2.69E-01	3.52E-01	4.28E-01	2.07E+01	2.03E+01	2.51E+01
2793	490560.04	3859510.04	2.52977	2.74371	9.88516	6.81336	1.226	4.197	2.7311	2.74371	1.76E+01	5.07E+00	1.03E-03	2.40E-01	3.84E-01	3.94E-01	1.94E+01	1.87E+01	2.44E+01
2794	490610.04	3859510.04	2.482	2.52098	9.36108	6.16907	1.172	3.88	2.491	2.52098	1.73E+01	4.66E+00	9.75E-04	2.17E-01	3.67E-01	3.65E-01	1.76E+01	1.71E+01	2.34E+01
2795	490660.04	3859510.04	2.42721	2.3369	9.18739	5.61665	1.118	3.572	2.2715	2.3369	1.69E+01	4.32E+00	9.56E-04	1.98E-01	3.50E-01	3.36E-01	1.61E+01	1.59E+01	2.23E+01
2796	490710.04	3859510.04	2.38191	2.11441	8.64955	4.97975	1.113	3.309	2.0444	2.11441	1.66E+01	3.91E+00	9.00E-04	1.75E-01	3.49E-01	3.11E-01	1.45E+01	1.44E+01	2.15E+01
2797	490760.04	3859510.04	2.33952	1.9466	7.96857	4.51326	1.182	3.115	1.8808	1.9466	1.63E+01	3.60E+00	8.30E-04	1.59E-01	3.70E-01	2.93E-01	1.33E+01	1.32E+01	2.08E+01
2798	490810.04	3859510.04	2.29621	1.84355	7.44324	4.21428	1.297	2.976	1.7742	1.84355	1.60E+01	3.40E+00	7.75E-04	1.48E-01	4.06E-01	2.80E-01	1.26E+01	1.25E+01	2.03E+01
2799	490860.04	3859510.04	2.27217	1.74845	6.90443	3.86448	1.431	2.827	1.6451	1.74845	1.58E+01	3.23E+00	7.19E-04	1.36E-01	4.48E-01	2.66E-01	1.17E+01	1.19E+01	1.97E+01
2800	490360.04	3859560.04	2.92587	4.4425	11.84495	15.18992	1.237	7.418	4.401	4.4425	2.04E+01	8.20E+00	1.23E-03	5.35E-01	3.88E-01	6.97E-01	3.12E+01	3.02E+01	3.12E+01
2801	490410.04	3859560.04	2.84861	4.15892	11.32232	12.65434	1.234	6.627	4.1313	4.15892	1.99E+01	7.68E+00	1.18E-03	4.45E-01	3.87E-01	6.23E-01	2.93E+01	2.83E+01	3.00E+01
2802	490460.04	3859560.04	2.78224	3.8656	11.12661	11.0333	1.047	6.005	3.8452	3.8656	1.94E+01	7.14E+00	1.16E-03	3.88E-01	3.28E-01	5.64E-01	2.72E+01	2.63E+01	2.88E+01
2803	490510.04	3859560.04	2.69913	3.4918	10.13205	9.63688	0.98	5.35	3.4691	3.4918	1.88E+01	6.45E+00	1.05E-03	3.39E-01	3.07E-01	5.03E-01	2.46E+01	2.37E+01	2.73E+01
2804	490560.04	3859560.04	2.62083	3.21322	9.21312	8.53992	1.047	4.913	3.1754	3.21322	1.83E+01	5.93E+00	9.59E-04	3.01E-01	3.28E-01	4.62E-01	2.25E+01	2.18E+01	2.59E+01
2805	490610.04	3859560.04	2.56098	2.93538	8.67382	7.50125	1.149	4.538	2.9233	2.93538	1.79E+01	5.42E+00	9.03E-04	2.64E-01	3.60E-01	4.27E-01	2.07E+01	2.00E+01	2.51E+01
2806	490660.04	3859560.04	2.49428	2.68695	8.11466	6.62986	1.157	4.131	2.701	2.68695	1.74E+01	4.96E+00	8.45E-04	2.33E-01	3.62E-01	3.88E-01	1.91E+01	1.83E+01	2.42E+01
2807	490710.04	3859560.04	2.43106	2.45406	7.58589	5.96195	1.067	3.804	2.4619	2.45406	1.69E+01	4.53E+00	7.90E-04	2.10E-01	3.34E-01	3.58E-01	1.74E+01	1.67E+01	2.31E+01
2808	490760.04	3859560.04	2.37729	2.21222	7.10237	5.3215	1.065	3.468	2.2224	2.21222	1.66E+01	4.09E+00	7.39E-04	1.87E-01	3.34E-01	3.26E-01	1.57E+01	1.50E+01	2.22E+01
2809	490810.04	3859560.04	2.34392	2.03507	6.60332	4.83887	1.123	3.266	2.0077	2.03507	1.63E+01	3.76E+00	6.87E-04	1.70E-01	3.52E-01	3.07E-01	1.42E+01	1.38E+01	2.13E+01
2810	490860.04	3859560.04	2.31627	1.89801	6.14445	4.40078	1.2	3.045	1.833	1.89801	1.61E+01	3.51E+00	6.40E-04	1.55E-01	3.76E-01	2.86E-01	1.30E+01	1.29E+01	2.06E+01
2811	490187.25	3859422.08	3.04347	3.63507	24.28545	10.67279	1.342	6.231	3.5808	3.63507	2.12E+01	6.71E+00	2.53E-03	3.76E-01	4.20E-01	5.86E-01	2.54E+01	2.47E+01	3.00E+01
2812	490237.25	3859422.08	2.94029	3.41055	21.52233	9.54217	1.444	5.756	3.3639	3.41055	2.05E+01	6.30E+00	2.24E-03	3.36E-01	4.52E-01	5.41E-01	2.38E+01	2.32E+01	2.88E+01
2813	490287.25	3859422.08	2.80868	3.21308	19.31431	8.54938	1.273	5.331	3.151	3.21308	1.96E+01	5.93E+00	2.01E-03	3.01E-01	3.99E-01	5.01E-01	2.23E+01	2.18E+01	2.72E+01
2814	490337.25	3859422.08	2.6783	2.92659	17.23083	7.48696	1.12	4.76	2.8907	2.92659	1.87E+01	5.41E+00	1.79E-03	2.64E-01	3.51E-01	4.47E-01	2.05E+01	1.99E+01	2.57E+01
2815	490187.25	3859472.08	3.13988	4.11105	20.3857	14.29152	1.19	7.847	4.0402	4.11105	2.19E+01	7.59E+00	2.12E-03	5.03E-01	3.73E-01	7.38E-01	2.86E+01	2.80E+01	3.18E+01
2816	490237.25	3859472.08	2.96818	3.91798	18.05926	12.38933	1.281	6.938	3.8338	3.91798	2.07E+01	7.24E+00	1.88E-03	4.36E-01	4.01E-01	6.52E-01	2.72E+01	2.66E+01	2.99E+01
2817	490287.25	3859472.08	2.817	3.71514	16.63815	10.87259	1.372	6.169	3.6255	3.71514	1.96E+01	6.86E+00	1.73E-03	3.83E-01	4.30E-01	5.80E-01	2.57E+01	2.53E+01	2.83E+01
2818	490337.25	3859472.08	2.70233	3.45578	15.33052	9.55338	1.236	5.614	3.3725	3.45578	1.88E+01	6.38E+00	1.60E-03	3.36E-01	3.87E-01	5.28E-01	2.39E+01	2.35E+01	2.69E+01
2819	490297.07	3859500.42	2.88863	3.99933	15.99874	12.32047	1.308	6.855	3.871	3.99933	2.01E+01	7.39E+00	1.67E-03	4.34E-01	4.10E-01	6.44E-01	2.74E+01	2.72E+01	2.92E+01
2820	490327.07	3859500.42	2.80251	3.88046	15.30613	11.47276	1.345	6.401	3.7801	3.88046	1.95E+01	7.17E+00	1.59E-03	4.04E-01	4.22E-01	6.02E-01	2.68E+01	2.64E+01	2.85E+01
2821	490297.07	3859530.42	2.93176	4.39061	14.4533	15.30713	1.217	7.993	4.2928	4.39061	2.04E+01	8.11E+00	1.50E-03	5.39E-01	3.81E-01	7.51E-01	3.04E+01	2.99E+01	3.08E+01
2822	490327.07	3859530.42	2.84692	4.22294	13.9087	13.48162	1.271	7.302	4.1378	4.22294	1.98E+01	7.80E+00	1.45E-03	4.75E-01	3.98E-01	6.86E-01	2.93E+01	2.87E+01	2.98E+01
2823	490319.73	3859055.34	2.43115	1.7128	3.00221	4.4041	2.292	3.164	1.6583	1.7128	1.69E+01	3.16E+00	3.13E-04	1.55E-01	7.18E-01	2.97E-01	1.17E+01	1.16E+01	2.14E+01
2824	490319.73	3859105.34	2.45132	1.77082	3.84401	4.40711	2.175	3.217	1.6912	1.77082	1.71E+01	3.27E+00	4.00E-04	1.55E-01	6.81E-01	3.02E-01	1.20E+01	1.20E+01	2.14E+01
2825	490069.73	3859155.34	2.70799	2.47313	4.91736	6.32839	1.7	4.36	2.3268	2.47313	1.89E+01	4.57E+00	5.12E-04	2.23E-01	5.33E-01	4.10E-01	1.65E+01	1.68E+01	2.43E+01
2826	490119.73	3859155.34	2.64872	2.37465	4.38734	5.91731	1.668	4.167	2.2506	2.37465	1.85E+01	4.39E+00	4.57E-04	2.08E-01	5.22E-01	3.92E-01	1.59E+01	1.61E+01	2.38E+01
2827	490269.73	3859155.34	2.5058	2.08797	5.71355	5.03707	1.719	3.636	1.9947	2.08797	1.75E+01	3.86E+00	5.95E-04	1.77E-01	5.39E-01	3.42E-01	1.41E+01	1.42E+01	2.23E+01
2828	490319.73	3859155.34	2.48478	1.87052	5.83888	4.73553	1.853	3.345	1.7956	1.87052	1.73E+01	3.45E+00	6.08E-04	1.67E-01	5.81E-01	3.14E-01	1.27E+01	1.27E+01	2.18E+01

2829	490069.73	3859205.34	2.7734	2.67235	5.83836	6.91468	1.597	4.554	2.5396	2.67235	1.93E+01	4.94E+00	6.08E-04	2.43E-01	5.00E-01	4.28E-01	1.80E+01	1.82E+01	2.53E+01
2830	490119.73	3859205.34	2.684	2.57216	6.46731	6.52678	1.558	4.38	2.4436	2.57216	1.87E+01	4.75E+00	6.73E-04	2.30E-01	4.88E-01	4.12E-01	1.73E+01	1.75E+01	2.44E+01
2831	490169.73	3859205.34	2.6227	2.48617	7.70346	6.13036	1.609	4.182	2.3581	2.48617	1.83E+01	4.59E+00	8.02E-04	2.16E-01	5.04E-01	3.93E-01	1.67E+01	1.69E+01	2.38E+01
2832	490219.73	3859205.34	2.58117	2.33482	8.02107	5.73027	1.55	3.958	2.2272	2.33482	1.80E+01	4.31E+00	8.35E-04	2.02E-01	4.86E-01	3.72E-01	1.58E+01	1.59E+01	2.33E+01
2833	490269.73	3859205.34	2.54126	2.13557	9.01881	5.24093	1.542	3.653	2.0543	2.13557	1.77E+01	3.94E+00	9.39E-04	1.84E-01	4.83E-01	3.43E-01	1.46E+01	1.45E+01	2.27E+01
2834	490319.73	3859205.34	2.51169	2.01081	9.99352	4.97095	1.597	3.438	1.9406	2.01081	1.75E+01	3.71E+00	1.04E-03	1.75E-01	5.00E-01	3.23E-01	1.37E+01	1.37E+01	2.23E+01
2835	490069.73	3859255.34	2.80919	2.93193	10.44098	7.5887	1.676	4.871	2.7866	2.93193	1.96E+01	5.42E+00	1.09E-03	2.67E-01	5.25E-01	4.58E-01	1.97E+01	1.99E+01	2.61E+01
2836	490119.73	3859255.34	2.75374	2.78628	12.00077	7.12596	1.489	4.604	2.6411	2.78628	1.92E+01	5.15E+00	1.25E-03	2.51E-01	4.67E-01	4.33E-01	1.87E+01	1.89E+01	2.53E+01
2837	490169.73	3859255.34	2.69572	2.64385	13.44156	6.6459	1.44	4.36	2.526	2.64385	1.88E+01	4.88E+00	1.40E-03	2.34E-01	4.51E-01	4.10E-01	1.79E+01	1.80E+01	2.47E+01
2838	490219.73	3859255.34	2.64248	2.50781	14.33317	6.16392	1.508	4.12	2.3849	2.50781	1.84E+01	4.63E+00	1.49E-03	2.17E-01	4.72E-01	3.87E-01	1.69E+01	1.71E+01	2.40E+01
2839	490269.73	3859255.34	2.5997	2.30304	15.23531	5.70611	1.492	3.83	2.2244	2.30304	1.81E+01	4.25E+00	1.59E-03	2.01E-01	4.68E-01	3.60E-01	1.58E+01	1.57E+01	2.35E+01
2840	490319.73	3859255.34	2.56348	2.15869	14.94161	5.23052	1.459	3.584	2.0808	2.15869	1.79E+01	3.99E+00	1.56E-03	1.84E-01	4.57E-01	3.37E-01	1.47E+01	1.47E+01	2.29E+01
2841	490069.73	3859305.34	2.93758	3.19967	19.83181	8.52568	1.503	5.227	3.0991	3.19967	2.05E+01	5.91E+00	2.06E-03	3.00E-01	4.71E-01	4.91E-01	2.20E+01	2.18E+01	2.79E+01
2842	490119.73	3859305.34	2.86503	3.08434	22.13654	7.93233	1.621	4.963	2.9632	3.08434	2.00E+01	5.70E+00	2.30E-03	2.79E-01	5.08E-01	4.66E-01	2.10E+01	2.10E+01	2.69E+01
2843	490169.73	3859305.34	2.79758	2.91031	20.94943	7.36958	1.388	4.716	2.7853	2.91031	1.95E+01	5.38E+00	2.18E-03	2.59E-01	4.35E-01	4.43E-01	1.97E+01	1.98E+01	2.60E+01
2844	490219.73	3859305.34	2.73781	2.70808	19.98743	6.78024	1.331	4.423	2.6315	2.70808	1.91E+01	5.00E+00	2.08E-03	2.39E-01	4.17E-01	4.16E-01	1.86E+01	1.84E+01	2.54E+01
2845	490269.73	3859305.34	2.681	2.52532	18.30058	6.31051	1.402	4.14	2.4688	2.52532	1.87E+01	4.66E+00	1.91E-03	2.22E-01	4.39E-01	3.89E-01	1.75E+01	1.72E+01	2.47E+01
2846	490319.73	3859305.34	2.62721	2.31755	16.14279	5.58593	1.449	3.793	2.2743	2.31755	1.83E+01	4.28E+00	1.68E-03	1.97E-01	4.54E-01	3.57E-01	1.61E+01	1.58E+01	2.40E+01
2847	490069.73	3859355.34	3.05156	3.5748	29.2766	10.146	1.346	6.054	3.5279	3.5748	2.13E+01	6.60E+00	3.05E-03	3.57E-01	4.22E-01	5.69E-01	2.50E+01	2.43E+01	2.99E+01
2848	490119.73	3859355.34	2.97922	3.39974	26.72338	9.23807	1.427	5.674	3.3379	3.39974	2.08E+01	6.28E+00	2.78E-03	3.25E-01	4.47E-01	5.33E-01	2.37E+01	2.31E+01	2.89E+01
2849	490169.73	3859355.34	2.90155	3.22148	25.79302	8.43813	1.542	5.351	3.1425	3.22148	2.02E+01	5.95E+00	2.69E-03	2.97E-01	4.83E-01	5.03E-01	2.23E+01	2.19E+01	2.78E+01
2850	490219.73	3859355.34	2.83318	3.02849	23.66153	7.78023	1.327	4.988	2.9261	3.02849	1.98E+01	5.59E+00	2.46E-03	2.74E-01	4.16E-01	4.69E-01	2.07E+01	2.06E+01	2.66E+01
2851	490269.73	3859355.34	2.7637	2.79155	20.80322	7.06	1.231	4.59	2.7362	2.79155	1.93E+01	5.16E+00	2.17E-03	2.48E-01	3.86E-01	4.31E-01	1.94E+01	1.90E+01	2.59E+01
2852	490319.73	3859355.34	2.69437	2.57562	19.21503	6.38438	1.307	4.184	2.5339	2.57562	1.88E+01	4.76E+00	2.00E-03	2.25E-01	4.10E-01	3.93E-01	1.80E+01	1.75E+01	2.50E+01
2853	490069.73	3859405.34	3.1925	3.99968	34.57863	12.73373	1.292	7.221	3.9727	3.99968	2.23E+01	7.39E+00	3.60E-03	4.48E-01	4.05E-01	6.79E-01	2.81E+01	2.72E+01	3.21E+01
2854	490119.73	3859405.34	3.10836	3.78529	30.75557	11.45252	1.274	6.702	3.7502	3.78529	2.17E+01	6.99E+00	3.20E-03	4.03E-01	3.99E-01	6.30E-01	2.66E+01	2.57E+01	3.09E+01
2855	490169.73	3859405.34	3.0205	3.57433	27.18819	10.28915	1.361	6.152	3.5213	3.57433	2.11E+01	6.60E+00	2.83E-03	3.62E-01	4.27E-01	5.78E-01	2.49E+01	2.43E+01	2.97E+01
2856	490219.73	3859405.34	2.93096	3.35095	24.10997	9.21057	1.467	5.684	3.308	3.35095	2.04E+01	6.19E+00	2.51E-03	3.24E-01	4.60E-01	5.34E-01	2.34E+01	2.28E+01	2.86E+01
2857	490269.73	3859405.34	2.83574	3.1332	21.46033	8.29656	1.29	5.23	3.073	3.1332	1.98E+01	5.79E+00	2.23E-03	2.92E-01	4.04E-01	4.92E-01	2.18E+01	2.13E+01	2.72E+01
2858	490319.73	3859405.34	2.72068	2.86296	19.47202	7.33585	1.145	4.684	2.8278	2.86296	1.90E+01	5.29E+00	2.03E-03	2.58E-01	3.59E-01	4.40E-01	2.00E+01	1.95E+01	2.59E+01
2859	490161.89	3859541.83	3.01306	5.20144	16.4285	13.76375	1.19	8.002	5.1278	5.20144	2.10E+01	9.61E+00	1.71E-03	4.84E-01	3.73E-01	7.52E-01	3.63E+01	3.54E+01	3.32E+01
2860	490171.89	3859541.83	3.01981	5.17819	16.17234	14.74766	1.222	8.633	5.1243	5.17819	2.11E+01	9.56E+00	1.68E-03	5.19E-01	3.83E-01	8.11E-01	3.63E+01	3.52E+01	3.34E+01
2861	490161.89	3859551.83	2.9737	5.3841	15.38462	12.37812	1.148	7.215	5.2883	5.3841	2.07E+01	9.94E+00	1.60E-03	4.36E-01	3.60E-01	6.78E-01	3.75E+01	3.66E+01	3.30E+01
2862	490171.89	3859551.83	2.9631	5.35746	15.09478	12.98951	1.177	7.481	5.273	5.35746	2.07E+01	9.89E+00	1.57E-03	4.57E-01	3.69E-01	7.03E-01	3.74E+01	3.64E+01	3.30E+01
2863	489799.72	3859348.21	3.27209	5.22398	25.53664	15.72968	1.55	8.313	5.1284	5.22398	2.28E+01	9.65E+00	2.66E-03	5.54E-01	4.86E-01	7.81E-01	3.63E+01	3.55E+01	3.51E+01
2864	489819.72	3859348.21	3.26883	5.00359	29.26353	17.47304	1.517	10.31	4.9032	5.00359	2.28E+01	9.24E+00	3.05E-03	6.15E-01	4.75E-01	9.69E-01	3.47E+01	3.40E+01	3.48E+01
2865	489799.72	3859368.21	3.20987	5.65406	37.68275	12.84733	1.562	6.725	5.5982	5.65406	2.24E+01	1.04E+01	3.92E-03	4.52E-01	4.89E-01	6.32E-01	3.97E+01	3.84E+01	3.56E+01
2866	489819.72	3859368.21	3.20004	5.44076	44.50822	14.65226	1.525	7.76	5.3361	5.44076	2.23E+01	1.00E+01	4.63E-03	5.16E-01	4.78E-01	7.29E-01	3.78E+01	3.70E+01	3.49E+01
2867	489775.41	3859329.72	3.33555	5.11633	20.65559	15.98986	1.583	8.511	5.0132	5.11633	2.33E+01	9.45E+00	2.15E-03	5.63E-01	4.96E-01	8.00E-01	3.55E+01	3.48E+01	3.53E+01
2868	489795.41	3859329.72	3.3548	4.89679	19.45844	17.84591	1.549	10.44	4.7944	4.89679	2.34E+01	9.04E+00	2.03E-03	6.28E-01	4.85E-01	9.81E-01	3.40E+01	3.33E+01	3.52E+01
2869	489775.41	3859349.72	3.25817	5.54026	25.84655	13.17171	1.597	6.92	5.4635	5.54026	2.27E+01	1.02E+01	2.69E-03	4.64E-01	5.00E-01	6.51E-01	3.87E+01	3.77E+01	3.56E+01
2870	489795.41	3859349.72	3.26414	5.30611	24.63878	15.21598	1.559	7.899	5.2043	5.30611	2.28E+01	9.80E+00	2.57E-03	5.36E-01	4.88E-01	7.42E-01	3.69E+01	3.61E+01	3.51E+01
2871	489595.05	3859219.43	3.54292	4.91586	5.70058	14.72968	1.9	7.3	4.8051	4.91586	2.47E+01	9.08E+00	5.93E-04	5.18E-01	5.95E-01	6.86E-01	3.40E+01	3.34E+01	3.62E+01
2872	489615.05	3859219.43	3.54817	4.74597	6.1096	16.44471	1.867	8.89	4.6417	4.74597	2.47E+01	8.77E+00	6.36E-04	5.79E-01	5.85E-01	8.36E-01	3.29E+01	3.23E+01	3.61E+01
2873	489595.05	3859239.43	3.47124	5.3064	6.48369	12.50233	1.932	6.345	5.1464	5.3064	2.42E+01	9.80E+00	6.75E-04	4.40E-01	6.05E-01	5.96E-01	3.65E+01	3.61E+01	3.60E+01
2874	489615.05	3859239.43	3.45949	5.08625	6.65087	13.6001	1.872	6.897	4.9449	5.08625	2.41E+01	9.39E+00	6.92E-04	4.79E-01	5.87E-01	6.48E-01	3.50E+01	3.46E+01	3.57E+01
2875	489372.4	3859092.58	3.60045	4.84921	2.5298	13.17544	2.319	6.306	4.7256	4.84921	2.51E+01	8.96E+00	2.63E-04	4.64E-01	7.27E-01	5.93E-01	3.35E+01	3.30E+01	3.63E+01
2876	489422.4	3859092.58	3.54847	4.4344	2.52965	16.36105	2.363	8.635	4.4131	4.4344	2.47E+01	8.19E+00	2.63E-04	5.76E-01	7.40E-01	8.12E-01	3.13E+01	3.02E+01	3.62E+01
2877	489372.4	3859142.58	3.58415	5.81924	2.49718	10.42342	2.285	5.286	5.6529	5.81924	2.50E+01	1.07E+01	2.60E-04	3.67E-01	7.16E-01	4.97E-01	4.01E+01	3.96E+01	3.78E+01
2878	489422.4	3859142.58	3.52727	5.26234	2.92307	11.75679	2.197	5.829	5.0721	5.26234	2.46E+01	9.72E+00	3.04E-04	4.14E-01	6.89E-01	5.48E-01	3.59E+01	3.58E+01	3.61E+01
2879	488870.84	3858666.64	4.72088	3.43633	2.58596	15.00191	3.734	6.499	3.7646	3.43633	3.29E+01	6.35E+00	2.69E-04	5.28E-01	1.17E+00	6.11E-01	2.67E+01	2.34E+01	4.49E+01
2880	488900.84	3858666.64	4.63358	3.33772	2.63863	18.5993	3.865	8.455	3.5658	3.33772	3.23E+01	6.16E+00	2.75E-04	6.55E-01	1.21E+00	7.95E-01	2.53E+01	2.27E+01	4.37E+01
2881	488870.84	3858696.64	4.71362	3.6601	2.34961	12.46361	3.053	5.453	4.0443	3.6601	3.29E+01	6.76E+00	2.45E-04	4.39E-01	9.57E-01	5.13E-01	2.87E+01	2.49E+01	4.53E+01
2882	488900.84	3858696.64	4.63066	3.52836	2.37323	14.9941	3.624	6.391	3.8327	3.52836	3.23E+01	6.52E+00	2.47E-04	5.28E-01	1.14E+00	6.01E-01	2.72E+01	2.40E+01	4.42E+01
2883	488889.67	3858683.97	4.67378	3.48074	2.48365	15.07156	3.72	6.517	3.7998	3.48074	3.26E+01	6.43E+00	2.59E-04	5.30E-01	1.17E+00	6.13E-01	2.69E+01	2.37E+01	4.46E+01
2884	488919.67	3858683.97	4.55827	3.37897	2.48142	19.02908	3.734	8.402	3.5805	3.37897	3.18E+01	6.24E+00	2.58E-04	6.70E-01	1.17E+00	7.90E-01	2.54E+01	2.30E+01	4.30E+01
2885	488889.67	3858713.97	4.64132	3.70991	2.245	12.53098	3.048	5.413	4.0753	3.70991	3.24E+01	6.85E+00	2.34E-04	4.41E-01	9.55E-01	5.09E-01	2.89E+01	2.52E+01	4.48E+01
2886	488919.67	3858713.97	4.54771	3.57944	2.267	15.02635	3.498	6.41	3.8444	3.57944	3.17E+01	6.61E+00	2.36E-04	5.29E-01	1.10E+00	6.03E-01	2.72E+01	2.43E+01	4.34E+01
2887	488906.61	3858703.33	4.60528	3.55584	2.32286	14.79012	3.575	6.325	3.8454	3.55584	3.21E+01	6.57E+00	2.42E-04	5.21E-01	1.12E+00	5.95E-01	2.72E+01	2.42E+01	4.40E+01

2888	488936.61	3858703.33	4.48387	3.43444	2.34888	18.41947	3.59	7.954	3.6288	3.43444	3.13E+01	6.34E+00	2.45E-04	6.48E-01	1.12E+00	7.48E-01	2.57E+01	2.34E+01	4.25E+01
2889	488906.61	3858733.33	4.56838	3.77311	2.12091	12.37953	2.971	5.356	4.1277	3.77311	3.18E+01	6.97E+00	2.21E-04	4.36E-01	9.31E-01	5.03E-01	2.92E+01	2.57E+01	4.43E+01
2890	488936.61	3858733.33	4.46771	3.65485	2.14658	14.68889	3.368	6.235	3.9124	3.65485	3.11E+01	6.75E+00	2.23E-04	5.17E-01	1.06E+00	5.86E-01	2.77E+01	2.49E+01	4.29E+01
2891	488637.63	3858467.85	4.8717	3.00121	4.67958	12.44982	4.197	5.95	3.8779	3.00121	3.40E+01	5.54E+00	4.87E-04	4.38E-01	1.32E+00	5.59E-01	2.75E+01	2.04E+01	4.89E+01
2892	488662.63	3858467.85	4.81104	2.94432	4.52392	14.47803	4.362	7.035	3.6894	2.94432	3.35E+01	5.44E+00	4.71E-04	5.10E-01	1.37E+00	6.61E-01	2.61E+01	2.00E+01	4.76E+01
2893	488637.63	3858492.85	4.84766	3.13855	4.5869	10.9997	3.83	5.378	4.0908	3.13855	3.38E+01	5.80E+00	4.78E-04	3.87E-01	1.20E+00	5.06E-01	2.90E+01	2.13E+01	4.93E+01
2894	488662.63	3858492.85	4.75976	3.05371	4.53209	12.45987	4.05	5.829	3.8923	3.05371	3.32E+01	5.64E+00	4.72E-04	4.39E-01	1.27E+00	5.48E-01	2.76E+01	2.08E+01	4.79E+01
2895	488687.63	3858492.85	4.66388	2.98497	4.45292	14.79623	4.182	6.878	3.7046	2.98497	3.25E+01	5.51E+00	4.64E-04	5.21E-01	1.31E+00	6.47E-01	2.62E+01	2.03E+01	4.65E+01
2896	488637.63	3858517.85	4.8403	3.32168	4.28396	9.62165	3.6	5.08	4.2983	3.32168	3.37E+01	6.13E+00	4.46E-04	3.39E-01	1.13E+00	4.78E-01	3.05E+01	2.26E+01	4.97E+01
2897	488662.63	3858517.85	4.73467	3.23645	4.30879	10.77869	3.722	5.289	4.1092	3.23645	3.30E+01	5.98E+00	4.49E-04	3.79E-01	1.17E+00	4.97E-01	2.91E+01	2.20E+01	4.81E+01
2898	488687.63	3858517.85	4.65269	3.13967	4.24208	12.41945	3.912	5.697	3.906	3.13967	3.24E+01	5.80E+00	4.42E-04	4.37E-01	1.23E+00	5.36E-01	2.77E+01	2.13E+01	4.68E+01
2899	488194.42	3857168.98	2.99924	0.94497	1.53881	3.16474	64.63	2.418	1.5102	0.94497	2.09E+01	1.75E+00	1.60E-04	1.11E-01	2.03E+01	2.27E-01	1.07E+01	6.43E+00	4.75E+01
2900	488244.42	3857168.98	2.93657	0.95554	1.5398	3.04507	59.74	2.372	1.4637	0.95554	2.05E+01	1.76E+00	1.60E-04	1.07E-01	1.87E+01	2.23E-01	1.04E+01	6.50E+00	4.52E+01
2901	488294.42	3857168.98	2.8649	0.96299	1.57571	2.93209	56.57	2.36	1.4317	0.96299	2.00E+01	1.78E+00	1.64E-04	1.03E-01	1.77E+01	2.22E-01	1.01E+01	6.55E+00	4.34E+01
2902	488244.42	3857218.98	2.99256	0.97951	1.52983	3.17331	65.4	2.455	1.5082	0.97951	2.09E+01	1.81E+00	1.59E-04	1.12E-01	2.05E+01	2.31E-01	1.07E+01	6.66E+00	4.75E+01
2903	488294.42	3857218.98	2.94229	0.98772	1.484	3.05777	60.22	2.478	1.4727	0.98772	2.05E+01	1.82E+00	1.54E-04	1.08E-01	1.89E+01	2.33E-01	1.04E+01	6.72E+00	4.53E+01
2904	488294.42	3857268.98	2.99741	1.01323	1.58317	3.18664	62.92	2.557	1.5155	1.01323	2.09E+01	1.87E+00	1.65E-04	1.12E-01	1.97E+01	2.40E-01	1.07E+01	6.89E+00	4.67E+01
2905	488139.13	3857111.68	2.98797	0.91559	1.6451	3.14674	63.09	2.366	1.5055	0.91559	2.08E+01	1.69E+00	1.71E-04	1.11E-01	1.98E+01	2.22E-01	1.07E+01	6.23E+00	4.71E+01
2906	488189.13	3857111.68	2.91557	0.93018	1.59407	3.02441	58.71	2.334	1.4564	0.93018	2.03E+01	1.72E+00	1.66E-04	1.06E-01	1.84E+01	2.19E-01	1.03E+01	6.33E+00	4.48E+01
2907	488189.13	3857161.68	2.99652	0.94223	1.55096	3.15757	64.36	2.413	1.5077	0.94223	2.09E+01	1.74E+00	1.61E-04	1.11E-01	2.02E+01	2.27E-01	1.07E+01	6.41E+00	4.74E+01
2908	487951.04	3856961.26	3.01794	0.8702	1.42495	3.22297	60.46	2.278	1.5251	0.8702	2.10E+01	1.61E+00	1.48E-04	1.13E-01	1.89E+01	2.14E-01	1.08E+01	5.92E+00	4.68E+01
2909	488001.04	3856961.26	2.96551	0.87147	1.4331	3.08536	57.57	2.246	1.4829	0.87147	2.07E+01	1.61E+00	1.49E-04	1.09E-01	1.80E+01	2.11E-01	1.05E+01	5.93E+00	4.52E+01
2910	488051.04	3856961.26	2.91923	0.86303	1.40626	2.97817	54.89	2.208	1.4489	0.86303	2.04E+01	1.59E+00	1.46E-04	1.05E-01	1.72E+01	2.08E-01	1.03E+01	5.87E+00	4.39E+01
2911	488101.04	3856961.26	2.86032	0.88156	1.4198	2.86165	50.8	2.208	1.4024	0.88156	1.99E+01	1.63E+00	1.48E-04	1.01E-01	1.59E+01	2.08E-01	9.94E+00	5.99E+00	4.17E+01
2912	487951.04	3857011.26	3.08668	0.90064	1.48825	3.32831	63.88	2.361	1.5674	0.90064	2.15E+01	1.66E+00	1.55E-04	1.17E-01	2.00E+01	2.22E-01	1.11E+01	6.12E+00	4.85E+01
2913	488001.04	3857011.26	3.02436	0.88349	1.46607	3.22504	63.55	2.299	1.5298	0.88349	2.11E+01	1.63E+00	1.53E-04	1.14E-01	1.99E+01	2.16E-01	1.08E+01	6.01E+00	4.78E+01
2914	488051.04	3857011.26	2.97652	0.87264	1.4879	3.11576	59.36	2.263	1.4915	0.87264	2.08E+01	1.61E+00	1.55E-04	1.10E-01	1.86E+01	2.13E-01	1.06E+01	5.93E+00	4.59E+01
2915	488101.04	3857011.26	2.91907	0.89555	1.70545	2.96702	54.27	2.262	1.444	0.89555	2.04E+01	1.65E+00	1.78E-04	1.04E-01	1.70E+01	2.13E-01	1.02E+01	6.09E+00	4.35E+01
2916	488001.04	3857061.26	3.08434	0.9037	1.47631	3.34142	65.27	2.371	1.5762	0.9037	2.15E+01	1.67E+00	1.54E-04	1.18E-01	2.05E+01	2.23E-01	1.12E+01	6.15E+00	4.90E+01
2917	488051.04	3857061.26	3.02806	0.9014	1.53341	3.22072	64.13	2.34	1.5316	0.9014	2.11E+01	1.66E+00	1.60E-04	1.13E-01	2.01E+01	2.20E-01	1.09E+01	6.13E+00	4.79E+01
2918	488101.04	3857061.26	2.96807	0.90695	1.71083	3.10497	59.18	2.318	1.4868	0.90695	2.07E+01	1.68E+00	1.78E-04	1.09E-01	1.85E+01	2.18E-01	1.05E+01	6.17E+00	4.56E+01
2919	487638.98	3856673.79	3.15287	0.7054	1.70065	3.16077	16.35	2.106	1.4976	0.7054	2.20E+01	1.30E+00	1.77E-04	1.11E-01	5.12E+00	1.98E-01	1.06E+01	4.80E+00	3.45E+01
2920	487688.98	3856673.79	3.08408	0.70968	1.67257	3.05056	18.92	2.07	1.4608	0.70968	2.15E+01	1.31E+00	1.74E-04	1.07E-01	5.93E+00	1.95E-01	1.04E+01	4.83E+00	3.46E+01
2921	487638.98	3856723.79	3.19591	0.72467	1.74524	3.3271	23.2	2.179	1.5464	0.72467	2.23E+01	1.34E+00	1.82E-04	1.17E-01	7.27E+00	2.05E-01	1.10E+01	4.93E+00	3.72E+01
2922	487688.98	3856723.79	3.10745	0.72687	1.74289	3.1842	25.02	2.139	1.5057	0.72687	2.17E+01	1.34E+00	1.81E-04	1.12E-01	7.84E+00	2.01E-01	1.07E+01	4.94E+00	3.69E+01
2923	486324.61	3855740.57	3.83135	0.50017	3.53541	3.25833	0.989	1.82	1.4552	0.50017	2.67E+01	9.24E-01	3.68E-04	1.15E-01	3.10E-01	1.71E-01	1.03E+01	3.40E+00	3.51E+01
2924	486374.61	3855740.57	3.83846	0.48277	3.18078	2.97039	1.008	1.674	1.3299	0.48277	2.68E+01	8.92E-01	3.31E-04	1.05E-01	3.16E-01	1.57E-01	9.42E+00	3.28E+00	3.44E+01
2925	486424.61	3855740.57	3.7984	0.47165	3.12755	2.79233	0.923	1.62	1.2829	0.47165	2.65E+01	8.71E-01	3.26E-04	9.83E-02	2.89E-01	1.52E-01	9.09E+00	3.21E+00	3.38E+01
2926	486324.61	3855790.57	3.94213	0.50501	3.55892	3.45671	1.044	1.879	1.5022	0.50501	2.75E+01	9.33E-01	3.71E-04	1.22E-01	3.27E-01	1.77E-01	1.06E+01	3.43E+00	3.63E+01
2927	486374.61	3855790.57	3.93379	0.48993	3.43445	3.09414	1.039	1.752	1.3582	0.48993	2.74E+01	9.05E-01	3.58E-04	1.09E-01	3.25E-01	1.65E-01	9.62E+00	3.33E+00	3.52E+01
2928	486424.61	3855790.57	3.86028	0.48252	3.34256	3.01297	1.067	1.694	1.3405	0.48252	2.69E+01	8.91E-01	3.48E-04	1.06E-01	3.34E-01	1.59E-01	9.50E+00	3.28E+00	3.46E+01
2929	486324.61	3855840.57	4.05536	0.54561	3.82051	3.6903	1.091	1.947	1.5265	0.54561	2.83E+01	1.01E+00	3.98E-04	1.30E-01	3.42E-01	1.83E-01	1.08E+01	3.71E+00	3.70E+01
2930	486374.61	3855840.57	3.99338	0.5128	3.77433	3.51655	1.105	1.89	1.4853	0.5128	2.78E+01	9.47E-01	3.93E-04	1.24E-01	3.46E-01	1.78E-01	1.05E+01	3.49E+00	3.65E+01
2931	486424.61	3855840.57	3.93988	0.49814	3.63406	3.24457	1.094	1.791	1.4251	0.49814	2.75E+01	9.20E-01	3.78E-04	1.14E-01	3.43E-01	1.68E-01	1.01E+01	3.39E+00	3.57E+01
2932	486324.61	3855890.57	4.0973	0.59436	3.75412	4.19987	1.16	2.128	1.6605	0.59436	2.86E+01	1.10E+00	3.91E-04	1.48E-01	3.64E-01	2.00E-01	1.18E+01	4.04E+00	3.81E+01
2933	486374.61	3855890.57	4.04796	0.57364	3.59691	3.93328	1.163	2.031	1.5805	0.57364	2.82E+01	1.06E+00	3.74E-04	1.38E-01	3.64E-01	1.91E-01	1.12E+01	3.90E+00	3.73E+01
2934	486424.61	3855890.57	4.02146	0.53382	3.49892	3.66089	1.169	1.926	1.495	0.53382	2.80E+01	9.86E-01	3.64E-04	1.29E-01	3.66E-01	1.81E-01	1.06E+01	3.63E+00	3.67E+01
2935	488735.69	3858285.64	4.72156	2.10317	4.67453	8.06243	8.916	6.527	2.4791	2.10317	3.29E+01	3.88E+00	4.87E-04	2.84E-01	2.79E+00	6.14E-01	1.76E+01	1.43E+01	4.38E+01
2936	488765.69	3858285.64	4.63418	2.05247	4.59124	7.57036	8.604	6.271	2.4088	2.05247	3.23E+01	3.79E+00	4.78E-04	2.66E-01	2.70E+00	5.89E-01	1.71E+01	1.40E+01	4.28E+01
2937	488735.69	3858315.64	4.8036	2.2184	4.47908	8.72538	8.659	6.876	2.5678	2.2184	3.35E+01	4.10E+00	4.66E-04	3.07E-01	2.71E+00	6.46E-01	1.82E+01	1.51E+01	4.44E+01
2938	488765.69	3858315.64	4.70305	2.16882	4.39847	8.0719	8.322	6.598	2.4894	2.16882	3.28E+01	4.01E+00	4.58E-04	2.84E-01	2.61E+00	6.20E-01	1.76E+01	1.47E+01	4.32E+01
2939	478676.63	3849871.93	0.40331	2.51566	0.05532	0.07881	0.131	0.086	2.5407	2.51566	2.81E+00	4.65E+00	5.76E-06	2.77E-03	4.09E-02	8.08E-03	1.80E+01	1.71E+01	8.41E+00
2940	479326.63	3849871.93	0.39183	1.54183	0.05487	0.07955	0.112	0.082	1.5509	1.54183	2.73E+00	2.85E+00	5.71E-06	2.80E-03	3.52E-02	7.75E-03	1.10E+01	1.05E+01	6.13E+00
2941	479376.63	3849871.93	0.39279	1.48867	0.05435	0.0771	0.113	0.082	1.4996	1.48867	2.74E+00	2.75E+00	5.66E-06	2.71E-03	3.54E-02	7.71E-03	1.06E+01	1.01E+01	6.04E+00
2942	479426.63	3849871.93	0.38686	1.4632	0.05379	0.0751	0.114	0.082	1.4739	1.4632	2.70E+00	2.70E+00	5.60E-06	2.64E-03	3.58E-02	7.67E-03	1.04E+01	9.95E+00	5.94E+00
2943	478726.63	3849921.93	0.41613	2.57936	0.05566	0.08006	0.132	0.087	2.5978	2.57936	2.90E+00	4.76E+00	5.79E-06	2.82E-03	4.13E-02	8.22E-03	1.84E+01	1.75E+01	8.58E+00
2944	478776.63	3849921.93	0.40536	2.49719	0.05471	0.0782	0.13	0.092	2.5105	2.49719	2.83E+00	4.61E+00	5.70E-06	2.75E-03	4.06E-02	8.67E-03	1.78E+01	1.70E+01	8.30E+00
2945	478826.63	3849921.93	0.39909	2.42478	0.05378	0.07752	0.128	0.094	2.4414	2.42478	2.78E+00	4.48E+00	5.60E-06	2.73E-03	4.02E-02	8.79E-03	1.73E+01	1.65E+01	8.12E+00
2946	478976.63	3849921.93	0.39257	2.19102	0.05464	0.07385	0.126	0.09	2.1996	2.19102	2.74E+00	4.05E+00	5.69E-06	2.60E-03	3.93E-02	8.45E-03	1.56E+01	1.49E+01	7.52E+00

2947	479026.63	3849921.93	0.38927	2.13799	0.05512	0.0747	0.124	0.089	2.145	2.13799	2.71E+00	3.95E+00	5.74E-06	2.63E-03	3.90E-02	8.40E-03	1.52E+01	1.45E+01	7.37E+00
2948	479076.63	3849921.93	0.38543	2.08613	0.05563	0.07541	0.122	0.087	2.0915	2.08613	2.69E+00	3.85E+00	5.79E-06	2.65E-03	3.83E-02	8.17E-03	1.48E+01	1.42E+01	7.22E+00
2949	479126.63	3849921.93	0.38598	2.04928	0.05608	0.07513	0.12	0.085	2.0536	2.04928	2.69E+00	3.78E+00	5.84E-06	2.64E-03	3.76E-02	7.98E-03	1.46E+01	1.39E+01	7.14E+00
2950	479176.63	3849921.93	0.3841	1.98838	0.05651	0.07437	0.117	0.085	1.9943	1.98838	2.68E+00	3.67E+00	5.88E-06	2.62E-03	3.68E-02	8.02E-03	1.41E+01	1.35E+01	7.01E+00
2951	479226.63	3849921.93	0.39068	1.87159	0.05669	0.07433	0.117	0.084	1.8728	1.87159	2.72E+00	3.46E+00	5.90E-06	2.62E-03	3.66E-02	7.93E-03	1.33E+01	1.27E+01	6.77E+00
2952	479276.63	3849921.93	0.40086	1.67014	0.05618	0.07552	0.116	0.084	1.7078	1.67014	2.79E+00	3.08E+00	5.85E-06	2.66E-03	3.64E-02	7.85E-03	1.21E+01	1.14E+01	6.67E+00
2953	479326.63	3849921.93	0.39052	1.76536	0.05561	0.07945	0.115	0.083	1.7593	1.76536	2.72E+00	3.26E+00	5.79E-06	2.80E-03	3.61E-02	7.80E-03	1.25E+01	1.20E+01	6.49E+00
2954	479376.63	3849921.93	0.40127	1.58499	0.05509	0.08016	0.114	0.083	1.5859	1.58499	2.80E+00	2.93E+00	5.74E-06	2.82E-03	3.56E-02	7.77E-03	1.12E+01	1.08E+01	6.23E+00
2955	479426.63	3849921.93	0.39816	1.60069	0.05455	0.07825	0.113	0.082	1.6144	1.60069	2.78E+00	2.96E+00	5.68E-06	2.75E-03	3.55E-02	7.73E-03	1.14E+01	1.09E+01	6.33E+00
2956	478726.63	3849971.93	0.42768	2.82344	0.05627	0.08258	0.134	0.084	2.7832	2.82344	2.98E+00	5.21E+00	5.86E-06	2.91E-03	4.21E-02	7.92E-03	1.97E+01	1.92E+01	8.77E+00
2957	478776.63	3849971.93	0.4205	2.69432	0.05601	0.08108	0.133	0.089	2.6854	2.69432	2.93E+00	4.98E+00	5.83E-06	2.85E-03	4.16E-02	8.35E-03	1.90E+01	1.83E+01	8.67E+00
2958	478826.63	3849971.93	0.41366	2.59547	0.05506	0.07915	0.131	0.094	2.602	2.59547	2.88E+00	4.79E+00	5.73E-06	2.79E-03	4.09E-02	8.81E-03	1.84E+01	1.76E+01	8.52E+00
2959	478976.63	3849971.93	0.40181	2.35279	0.05451	0.07431	0.128	0.092	2.3604	2.35279	2.80E+00	4.35E+00	5.67E-06	2.62E-03	4.00E-02	8.65E-03	1.67E+01	1.60E+01	7.92E+00
2960	479026.63	3849971.93	0.40238	2.28994	0.05506	0.07454	0.127	0.091	2.2954	2.28994	2.81E+00	4.23E+00	5.73E-06	2.62E-03	3.97E-02	8.55E-03	1.63E+01	1.56E+01	7.78E+00
2961	479076.63	3849971.93	0.40025	2.20339	0.05553	0.07525	0.126	0.09	2.2016	2.20339	2.79E+00	4.07E+00	5.78E-06	2.65E-03	3.94E-02	8.50E-03	1.56E+01	1.50E+01	7.53E+00
2962	479126.63	3849971.93	0.39542	2.14567	0.05606	0.07627	0.123	0.088	2.1381	2.14567	2.76E+00	3.96E+00	5.84E-06	2.68E-03	3.87E-02	8.28E-03	1.51E+01	1.46E+01	7.33E+00
2963	479176.63	3849971.93	0.39765	2.10318	0.05652	0.07624	0.121	0.086	2.1058	2.10318	2.77E+00	3.88E+00	5.88E-06	2.68E-03	3.79E-02	8.06E-03	1.49E+01	1.43E+01	7.32E+00
2964	479226.63	3849971.93	0.41338	1.9086	0.05694	0.07371	0.119	0.086	1.9174	1.9086	2.88E+00	3.53E+00	5.93E-06	2.59E-03	3.72E-02	8.07E-03	1.36E+01	1.30E+01	7.06E+00
2965	479276.63	3849971.93	0.40119	1.93992	0.05694	0.07498	0.117	0.085	1.9433	1.93992	2.80E+00	3.58E+00	5.93E-06	2.64E-03	3.67E-02	7.98E-03	1.38E+01	1.32E+01	7.01E+00
2966	479326.63	3849971.93	0.39136	1.92196	0.05641	0.0771	0.117	0.084	1.9319	1.92196	2.73E+00	3.55E+00	5.87E-06	2.71E-03	3.68E-02	7.90E-03	1.37E+01	1.31E+01	6.94E+00
2967	479376.63	3849971.93	0.40722	1.74802	0.05583	0.07979	0.116	0.083	1.7564	1.74802	2.84E+00	3.23E+00	5.81E-06	2.81E-03	3.64E-02	7.83E-03	1.24E+01	1.19E+01	6.67E+00
2968	479426.63	3849971.93	0.40313	1.70581	0.0553	0.08083	0.115	0.083	1.7178	1.70581	2.81E+00	3.15E+00	5.76E-06	2.84E-03	3.59E-02	7.79E-03	1.22E+01	1.16E+01	6.58E+00
2969	478726.63	3850021.93	0.45955	2.99599	0.05698	0.08543	0.135	0.082	3.0011	2.99599	3.20E+00	5.53E+00	5.93E-06	3.01E-03	4.24E-02	7.67E-03	2.13E+01	2.04E+01	9.68E+00
2970	478776.63	3850021.93	0.44663	2.91038	0.05695	0.08363	0.135	0.086	2.8748	2.91038	3.11E+00	5.38E+00	5.93E-06	2.94E-03	4.24E-02	8.04E-03	2.04E+01	1.98E+01	9.12E+00
2971	478826.63	3850021.93	0.43521	2.79108	0.05637	0.08208	0.134	0.09	2.7767	2.79108	3.03E+00	5.15E+00	5.87E-06	2.89E-03	4.21E-02	8.49E-03	1.97E+01	1.90E+01	8.94E+00
2972	478976.63	3850021.93	0.41992	2.51373	0.05447	0.07759	0.13	0.094	2.5147	2.51373	2.93E+00	4.64E+00	5.67E-06	2.73E-03	4.07E-02	8.83E-03	1.78E+01	1.71E+01	8.35E+00
2973	478726.63	3850071.93	0.5038	3.23003	0.05764	0.08838	0.142	0.081	3.2371	3.23003	3.51E+00	5.97E+00	6.00E-06	3.11E-03	4.44E-02	7.61E-03	2.29E+01	2.20E+01	1.05E+01
2974	478776.63	3850071.93	0.48713	3.10808	0.05736	0.08659	0.136	0.082	3.1164	3.10808	3.40E+00	5.74E+00	5.97E-06	3.05E-03	4.27E-02	7.75E-03	2.21E+01	2.11E+01	1.01E+01
2975	478826.63	3850071.93	0.47551	2.9988	0.05755	0.08492	0.136	0.087	3.0168	2.9988	3.32E+00	5.54E+00	5.99E-06	2.99E-03	4.26E-02	8.17E-03	2.14E+01	2.04E+01	9.89E+00
2976	478876.63	3850071.93	0.46207	2.89251	0.05673	0.08338	0.136	0.092	2.9017	2.89251	3.22E+00	5.34E+00	5.91E-06	2.93E-03	4.25E-02	8.63E-03	2.06E+01	1.97E+01	9.51E+00
2977	478976.63	3850071.93	0.44654	2.6825	0.05496	0.07989	0.132	0.096	2.666	2.6825	3.11E+00	4.95E+00	5.72E-06	2.81E-03	4.13E-02	9.00E-03	1.89E+01	1.82E+01	8.77E+00
2978	478726.63	3850121.93	0.56017	3.56462	0.05838	0.08969	0.15	0.081	3.5789	3.56462	3.91E+00	6.58E+00	6.08E-06	3.16E-03	4.71E-02	7.60E-03	2.54E+01	2.42E+01	1.17E+01
2979	478776.63	3850121.93	0.53766	3.3537	0.05803	0.08935	0.148	0.082	3.3612	3.3537	3.75E+00	6.19E+00	6.04E-06	3.14E-03	4.65E-02	7.68E-03	2.38E+01	2.28E+01	1.10E+01
2980	478826.63	3850121.93	0.52033	3.21994	0.05773	0.08798	0.14	0.084	3.2191	3.21994	3.63E+00	5.95E+00	6.01E-06	3.10E-03	4.40E-02	7.87E-03	2.28E+01	2.19E+01	1.05E+01
2981	478876.63	3850121.93	0.51153	3.11011	0.058	0.08634	0.137	0.088	3.1174	3.11011	3.57E+00	5.74E+00	6.04E-06	3.04E-03	4.29E-02	8.30E-03	2.21E+01	2.11E+01	1.03E+01
2982	478976.63	3850121.93	0.48551	2.87848	0.05611	0.0828	0.135	0.098	2.8977	2.87848	3.38E+00	5.32E+00	5.84E-06	2.91E-03	4.24E-02	9.17E-03	2.05E+01	1.96E+01	9.71E+00
2983	479026.63	3850121.93	0.4641	2.77188	0.05542	0.08092	0.133	0.096	2.7747	2.77188	3.24E+00	5.12E+00	5.77E-06	2.85E-03	4.16E-02	9.07E-03	1.97E+01	1.88E+01	9.22E+00
2984	479076.63	3850121.93	0.46036	2.68246	0.05536	0.07994	0.132	0.095	2.6656	2.68246	3.21E+00	4.95E+00	5.76E-06	2.81E-03	4.13E-02	8.96E-03	1.89E+01	1.82E+01	8.86E+00
2985	479126.63	3850121.93	0.44996	2.59792	0.05582	0.07734	0.132	0.095	2.5824	2.59792	3.14E+00	4.80E+00	5.81E-06	2.72E-03	4.12E-02	8.92E-03	1.83E+01	1.77E+01	8.62E+00
2986	478776.63	3850171.93	0.61038	3.775	0.05882	0.09086	0.152	0.081	3.782	3.775	4.26E+00	6.97E+00	6.12E-06	3.20E-03	4.75E-02	7.64E-03	2.68E+01	2.57E+01	1.24E+01
2987	478826.63	3850171.93	0.58684	3.61393	0.05841	0.09028	0.15	0.082	3.622	3.61393	4.09E+00	6.67E+00	6.08E-06	3.18E-03	4.70E-02	7.75E-03	2.57E+01	2.46E+01	1.19E+01
2988	478876.63	3850171.93	0.56306	3.40113	0.05812	0.08936	0.147	0.085	3.392	3.40113	3.93E+00	6.28E+00	6.05E-06	3.15E-03	4.59E-02	7.99E-03	2.40E+01	2.31E+01	1.12E+01
2989	478976.63	3850171.93	0.52482	3.09737	0.05757	0.08605	0.138	0.095	3.1104	3.09737	3.66E+00	5.72E+00	5.99E-06	3.03E-03	4.31E-02	8.94E-03	2.20E+01	2.11E+01	1.04E+01
2990	479026.63	3850171.93	0.51216	2.98008	0.05647	0.08416	0.137	0.098	2.9966	2.98008	3.57E+00	5.50E+00	5.88E-06	2.96E-03	4.29E-02	9.24E-03	2.12E+01	2.03E+01	1.01E+01
2991	479076.63	3850171.93	0.50401	2.86887	0.05589	0.08203	0.134	0.097	2.8815	2.86887	3.51E+00	5.30E+00	5.82E-06	2.89E-03	4.21E-02	9.14E-03	2.04E+01	1.95E+01	9.77E+00
2992	479126.63	3850171.93	0.48861	2.77279	0.05582	0.08075	0.133	0.096	2.7872	2.77279	3.41E+00	5.12E+00	5.81E-06	2.84E-03	4.16E-02	9.03E-03	1.97E+01	1.89E+01	9.47E+00
2993	479176.63	3850171.93	0.46993	2.68089	0.05627	0.0786	0.133	0.096	2.6824	2.68089	3.28E+00	4.95E+00	5.86E-06	2.77E-03	4.16E-02	9.02E-03	1.90E+01	1.82E+01	9.06E+00
2994	479226.63	3850171.93	0.45558	2.59491	0.05685	0.07779	0.132	0.096	2.5855	2.59491	3.18E+00	4.79E+00	5.92E-06	2.74E-03	4.12E-02	8.99E-03	1.83E+01	1.76E+01	8.70E+00
2995	479276.63	3850171.93	0.45373	2.52182	0.05738	0.07858	0.13	0.094	2.5091	2.52182	3.16E+00	4.66E+00	5.97E-06	2.77E-03	4.08E-02	8.86E-03	1.78E+01	1.71E+01	8.50E+00
2996	479326.63	3850171.93	0.44723	2.45976	0.05787	0.08032	0.129	0.092	2.4557	2.45976	3.12E+00	4.54E+00	6.02E-06	2.83E-03	4.03E-02	8.68E-03	1.74E+01	1.67E+01	8.39E+00
2997	479376.63	3850171.93	0.44222	2.38294	0.05833	0.07981	0.126	0.09	2.3626	2.38294	3.08E+00	4.40E+00	6.07E-06	2.81E-03	3.96E-02	8.44E-03	1.67E+01	1.62E+01	8.07E+00
2998	478676.63	3850221.93	0.76851	4.95147	0.05828	0.10161	0.158	0.082	4.9428	4.95147	5.36E+00	9.14E+00	6.07E-06	3.58E-03	4.95E-02	7.70E-03	3.50E+01	3.37E+01	1.59E+01
2999	478726.63	3850221.93	0.72227	4.50059	0.05862	0.09857	0.156	0.082	4.4987	4.50059	5.04E+00	8.31E+00	6.10E-06	3.47E-03	4.90E-02	7.66E-03	3.19E+01	3.06E+01	1.47E+01
3000	478976.63	3850221.93	0.57647	3.4348	0.05885	0.08928	0.148	0.092	3.4446	3.4348	4.02E+00	6.34E+00	6.13E-06	3.14E-03	4.65E-02	8.60E-03	2.44E+01	2.34E+01	1.15E+01
3001	479026.63	3850221.93	0.56032	3.22668	0.05799	0.08742	0.141	0.097	3.2506	3.22668	3.91E+00	5.96E+00	6.04E-06	3.08E-03	4.43E-02	9.10E-03	2.30E+01	2.19E+01	1.10E+01
3002	479076.63	3850221.93	0.54072	3.09217	0.05683	0.08539	0.138	0.099	3.1179	3.09217	3.77E+00	5.71E+00	5.92E-06	3.01E-03	4.33E-02	9.31E-03	2.21E+01	2.10E+01	1.06E+01
3003	479126.63	3850221.93	0.52871	2.98338	0.05637	0.08298	0.137	0.098	3.0075	2.98338	3.69E+00	5.51E+00	5.87E-06	2.92E-03	4.28E-02	9.21E-03	2.13E+01	2.03E+01	1.03E+01
3004	479176.63	3850221.93	0.51294	2.8603	0.05629	0.08166	0.134	0.097	2.8825	2.8603	3.58E+00	5.28E+00	5.86E-06	2.87E-03	4.20E-02	9.11E-03	2.04E+01	1.94E+01	9.89E+00
3005	479226.63	3850221.93	0.49478	2.7547	0.05674	0.07961	0.134	0.097	2.762	2.7547	3.45E+00	5.09E+00	5.91E-06	2.80E-03	4.19E-02	9.14E-03	1.96E+01	1.87E+01	9.43E+00

3006	479276.63	3850221.93	0.48553	2.64877	0.05732	0.07844	0.133	0.097	2.666	2.64877	3.38E+00	4.89E+00	5.97E-06	2.76E-03	4.17E-02	9.10E-03	1.89E+01	1.80E+01	9.21E+00
3007	479326.63	3850221.93	0.47245	2.59199	0.05784	0.07914	0.131	0.095	2.585	2.59199	3.29E+00	4.79E+00	6.02E-06	2.79E-03	4.11E-02	8.94E-03	1.83E+01	1.76E+01	8.82E+00
3008	479376.63	3850221.93	0.48116	2.51921	0.05835	0.08089	0.13	0.093	2.5191	2.51921	3.35E+00	4.65E+00	6.07E-06	2.85E-03	4.07E-02	8.75E-03	1.78E+01	1.71E+01	8.78E+00
3009	478676.63	3850271.93	0.98456	5.96753	0.05943	0.10482	0.16	0.084	5.9173	5.96753	6.86E+00	1.10E+01	6.19E-06	3.69E-03	5.01E-02	7.87E-03	4.19E+01	4.06E+01	1.93E+01
3010	478726.63	3850271.93	0.88472	5.33321	0.0587	0.10328	0.159	0.083	5.3238	5.33321	6.17E+00	9.85E+00	6.11E-06	3.64E-03	4.99E-02	7.78E-03	3.77E+01	3.63E+01	1.75E+01
3011	478976.63	3850271.93	0.64773	3.82761	0.05891	0.09219	0.151	0.088	3.835	3.82761	4.52E+00	7.07E+00	6.13E-06	3.24E-03	4.73E-02	8.27E-03	2.72E+01	2.60E+01	1.28E+01
3012	479026.63	3850271.93	0.60899	3.65251	0.05924	0.09062	0.15	0.093	3.6552	3.65251	4.25E+00	6.75E+00	6.17E-06	3.19E-03	4.70E-02	8.75E-03	2.59E+01	2.48E+01	1.21E+01
3013	479076.63	3850271.93	0.59274	3.48608	0.05839	0.08868	0.147	0.099	3.5046	3.48608	4.13E+00	6.44E+00	6.08E-06	3.12E-03	4.60E-02	9.26E-03	2.48E+01	2.37E+01	1.18E+01
3014	479126.63	3850271.93	0.57252	3.24995	0.0572	0.0867	0.142	0.1	3.2881	3.24995	3.99E+00	6.00E+00	5.95E-06	3.05E-03	4.45E-02	9.38E-03	2.33E+01	2.21E+01	1.12E+01
3015	479176.63	3850271.93	0.54801	3.09611	0.05686	0.08421	0.138	0.099	3.1238	3.09611	3.82E+00	5.72E+00	5.92E-06	2.96E-03	4.33E-02	9.28E-03	2.21E+01	2.11E+01	1.07E+01
3016	479226.63	3850271.93	0.53886	2.95834	0.05677	0.0826	0.135	0.098	2.9784	2.95834	3.76E+00	5.46E+00	5.91E-06	2.91E-03	4.24E-02	9.19E-03	2.11E+01	2.01E+01	1.03E+01
3017	479276.63	3850271.93	0.52443	2.8488	0.05722	0.08064	0.135	0.098	2.8579	2.8488	3.66E+00	5.26E+00	5.96E-06	2.84E-03	4.23E-02	9.24E-03	2.02E+01	1.94E+01	9.85E+00
3018	479326.63	3850271.93	0.53572	2.76533	0.0578	0.07912	0.134	0.098	2.7833	2.76533	3.73E+00	5.11E+00	6.02E-06	2.78E-03	4.21E-02	9.21E-03	1.97E+01	1.88E+01	9.81E+00
3019	479376.63	3850271.93	0.53284	2.691	0.05832	0.07971	0.133	0.096	2.6865	2.691	3.71E+00	4.97E+00	6.07E-06	2.81E-03	4.16E-02	9.01E-03	1.90E+01	1.83E+01	9.47E+00
3020	479053.24	3850293.52	0.63004	3.70227	0.05931	0.09107	0.15	0.094	3.7068	3.70227	4.39E+00	6.84E+00	6.17E-06	3.21E-03	4.72E-02	8.87E-03	2.63E+01	2.52E+01	1.24E+01
3021	479103.24	3850293.52	0.60616	3.54107	0.05849	0.08911	0.147	0.1	3.5607	3.54107	4.23E+00	6.54E+00	6.09E-06	3.14E-03	4.62E-02	9.39E-03	2.52E+01	2.41E+01	1.20E+01
3022	479153.24	3850293.52	0.58341	3.33327	0.05731	0.08694	0.144	0.1	3.3732	3.33327	4.07E+00	6.16E+00	5.97E-06	3.06E-03	4.51E-02	9.40E-03	2.39E+01	2.27E+01	1.15E+01
3023	479203.24	3850293.52	0.56798	3.14171	0.05707	0.08444	0.139	0.099	3.1647	3.14171	3.96E+00	5.80E+00	5.94E-06	2.97E-03	4.35E-02	9.30E-03	2.24E+01	2.14E+01	1.09E+01
3024	479253.24	3850293.52	0.54712	3.00604	0.05703	0.08288	0.136	0.098	3.0212	3.00604	3.81E+00	5.55E+00	5.94E-06	2.92E-03	4.25E-02	9.24E-03	2.14E+01	2.04E+01	1.04E+01
3025	479303.24	3850293.52	0.56591	2.89759	0.05748	0.08084	0.135	0.099	2.9019	2.89759	3.95E+00	5.35E+00	5.98E-06	2.85E-03	4.24E-02	9.28E-03	2.06E+01	1.97E+01	1.02E+01
3026	479353.24	3850293.52	0.5642	2.81401	0.05805	0.07941	0.135	0.098	2.8238	2.81401	3.93E+00	5.20E+00	6.04E-06	2.79E-03	4.22E-02	9.23E-03	2.00E+01	1.91E+01	1.01E+01
3027	479153.24	3850343.52	0.64331	3.69253	0.0589	0.09045	0.149	0.102	3.7236	3.69253	4.48E+00	6.82E+00	6.13E-06	3.18E-03	4.68E-02	9.55E-03	2.64E+01	2.51E+01	1.26E+01
3028	479203.24	3850343.52	0.62868	3.53074	0.05781	0.08811	0.146	0.101	3.5592	3.53074	4.38E+00	6.52E+00	6.02E-06	3.10E-03	4.57E-02	9.47E-03	2.52E+01	2.40E+01	1.22E+01
3029	479253.24	3850343.52	0.65631	3.36219	0.05757	0.08557	0.142	0.1	3.39	3.36219	4.58E+00	6.21E+00	5.99E-06	3.01E-03	4.46E-02	9.37E-03	2.40E+01	2.29E+01	1.20E+01
3030	479303.24	3850343.52	0.6525	3.17806	0.05752	0.08382	0.138	0.099	3.1865	3.17806	4.55E+00	5.87E+00	5.99E-06	2.95E-03	4.31E-02	9.34E-03	2.26E+01	2.16E+01	1.14E+01
3031	479353.24	3850343.52	0.6461	3.04579	0.05796	0.08196	0.136	0.1	3.0525	3.04579	4.50E+00	5.63E+00	6.03E-06	2.88E-03	4.27E-02	9.38E-03	2.16E+01	2.07E+01	1.11E+01
3032	479203.24	3850393.52	0.78101	3.89008	0.05932	0.09166	0.152	0.103	3.9076	3.89008	5.44E+00	7.18E+00	6.18E-06	3.23E-03	4.75E-02	9.64E-03	2.77E+01	2.65E+01	1.39E+01
3033	479253.24	3850393.52	0.77322	3.72377	0.0583	0.08929	0.148	0.102	3.758	3.72377	5.39E+00	6.88E+00	6.07E-06	3.14E-03	4.63E-02	9.54E-03	2.66E+01	2.53E+01	1.36E+01
3034	479303.24	3850393.52	0.75538	3.56471	0.05807	0.08672	0.144	0.1	3.5883	3.56471	5.27E+00	6.58E+00	6.05E-06	3.05E-03	4.52E-02	9.43E-03	2.54E+01	2.42E+01	1.31E+01
3035	479353.24	3850393.52	0.76031	3.40087	0.05802	0.08479	0.14	0.1	3.4209	3.40087	5.30E+00	6.28E+00	6.04E-06	2.98E-03	4.39E-02	9.44E-03	2.42E+01	2.31E+01	1.28E+01
3036	479403.24	3850393.52	0.74573	3.21177	0.05846	0.08313	0.137	0.101	3.2328	3.21177	5.20E+00	5.93E+00	6.09E-06	2.93E-03	4.31E-02	9.48E-03	2.29E+01	2.18E+01	1.23E+01
3037	479453.24	3850393.52	0.72679	3.04257	0.05904	0.0812	0.137	0.1	3.0642	3.04257	5.07E+00	5.62E+00	6.15E-06	2.86E-03	4.29E-02	9.39E-03	2.17E+01	2.07E+01	1.18E+01
3038	479503.24	3850393.52	0.71081	2.89287	0.05959	0.08163	0.136	0.098	2.9043	2.89287	4.96E+00	5.34E+00	6.20E-06	2.87E-03	4.25E-02	9.19E-03	2.06E+01	1.97E+01	1.13E+01
3039	479303.24	3850443.52	1.0758	3.97464	0.0588	0.09051	0.15	0.102	3.9892	3.97464	7.50E+00	7.34E+00	6.12E-06	3.19E-03	4.69E-02	9.61E-03	2.83E+01	2.70E+01	1.61E+01
3040	479353.24	3850443.52	1.0345	3.77068	0.05859	0.08791	0.146	0.101	3.787	3.77068	7.21E+00	6.96E+00	6.10E-06	3.09E-03	4.58E-02	9.50E-03	2.68E+01	2.56E+01	1.54E+01
3041	479403.24	3850443.52	0.99144	3.57097	0.05852	0.08577	0.142	0.101	3.5865	3.57097	6.91E+00	6.60E+00	6.09E-06	3.02E-03	4.45E-02	9.53E-03	2.54E+01	2.43E+01	1.47E+01
3042	479453.24	3850443.52	0.93506	3.39225	0.05899	0.08439	0.138	0.102	3.3989	3.39225	6.52E+00	6.27E+00	6.14E-06	2.97E-03	4.34E-02	9.58E-03	2.41E+01	2.31E+01	1.39E+01
3043	479503.24	3850443.52	0.8952	3.16685	0.05955	0.08212	0.138	0.101	3.1709	3.16685	6.24E+00	5.85E+00	6.20E-06	2.89E-03	4.33E-02	9.48E-03	2.25E+01	2.15E+01	1.31E+01
3044	480327.18	3850987.04	0.88885	4.3912	0.06209	0.09243	0.147	0.102	4.4276	4.3912	6.20E+00	8.11E+00	6.46E-06	3.25E-03	4.60E-02	9.55E-03	3.14E+01	2.99E+01	1.59E+01
3045	480377.18	3850987.04	0.82137	4.15022	0.06234	0.09455	0.144	0.097	4.18	4.15022	5.73E+00	7.67E+00	6.49E-06	3.33E-03	4.53E-02	9.13E-03	2.96E+01	2.82E+01	1.48E+01
3046	480427.18	3850987.04	0.79355	3.88859	0.06259	0.09474	0.142	0.095	3.9072	3.88859	5.53E+00	7.18E+00	6.52E-06	3.33E-03	4.45E-02	8.93E-03	2.77E+01	2.64E+01	1.40E+01
3047	480477.18	3850987.04	0.78195	3.65578	0.06332	0.09666	0.138	0.094	3.6588	3.65578	5.45E+00	6.75E+00	6.59E-06	3.40E-03	4.32E-02	8.82E-03	2.59E+01	2.49E+01	1.33E+01
3048	480327.18	3851037.04	0.96618	5.03306	0.0631	0.09372	0.15	0.109	5.0611	5.03306	6.74E+00	9.30E+00	6.57E-06	3.30E-03	4.69E-02	1.02E-02	3.59E+01	3.42E+01	1.77E+01
3049	480377.18	3851037.04	0.89328	4.74382	0.06248	0.09333	0.148	0.103	4.7692	4.74382	6.23E+00	8.76E+00	6.50E-06	3.28E-03	4.64E-02	9.71E-03	3.38E+01	3.23E+01	1.66E+01
3050	480427.18	3851037.04	0.84259	4.47651	0.06287	0.09547	0.146	0.099	4.4933	4.47651	5.87E+00	8.27E+00	6.55E-06	3.36E-03	4.57E-02	9.27E-03	3.18E+01	3.04E+01	1.56E+01
3051	480477.18	3851037.04	0.78923	4.15362	0.0634	0.09622	0.144	0.096	4.1745	4.15362	5.50E+00	7.67E+00	6.60E-06	3.39E-03	4.50E-02	9.02E-03	2.96E+01	2.82E+01	1.46E+01
3052	480622.06	3851087.39	0.74764	3.89248	0.06571	0.10272	0.139	0.097	3.9143	3.89248	5.21E+00	7.19E+00	6.84E-06	3.62E-03	4.34E-02	9.10E-03	2.77E+01	2.65E+01	1.37E+01
3053	480672.06	3851087.39	0.72508	3.59736	0.06564	0.10551	0.135	0.098	3.6273	3.59736	5.06E+00	6.64E+00	6.83E-06	3.71E-03	4.24E-02	9.17E-03	2.57E+01	2.45E+01	1.30E+01
3054	480622.06	3851137.39	0.82199	4.50682	0.06618	0.101	0.144	0.098	4.5515	4.50682	5.73E+00	8.32E+00	6.89E-06	3.55E-03	4.52E-02	9.17E-03	3.22E+01	3.06E+01	1.57E+01
3055	480672.06	3851137.39	0.76389	4.19717	0.06653	0.10409	0.141	0.098	4.2411	4.19717	5.33E+00	7.75E+00	6.93E-06	3.66E-03	4.40E-02	9.26E-03	3.01E+01	2.85E+01	1.46E+01
3056	480722.06	3851137.39	0.72849	3.90473	0.06711	0.10695	0.137	0.099	3.9485	3.90473	5.08E+00	7.21E+00	6.99E-06	3.76E-03	4.29E-02	9.34E-03	2.80E+01	2.66E+01	1.38E+01
3057	480622.06	3851187.39	0.92919	5.30545	0.06596	0.10009	0.149	0.1	5.3607	5.30545	6.48E+00	9.80E+00	6.87E-06	3.52E-03	4.65E-02	9.37E-03	3.80E+01	3.61E+01	1.82E+01
3058	480672.06	3851187.39	0.87579	4.85246	0.06734	0.10235	0.146	0.099	4.8937	4.85246	6.11E+00	8.96E+00	7.01E-06	3.60E-03	4.57E-02	9.29E-03	3.47E+01	3.30E+01	1.68E+01
3059	480722.06	3851187.39	0.80954	4.5369	0.06736	0.10544	0.142	0.1	4.5844	4.5369	5.64E+00	8.38E+00	7.01E-06	3.71E-03	4.46E-02	9.39E-03	3.25E+01	3.09E+01	1.57E+01
3060	471363.09	3845877.25	0.10798	0.22169	0.03895	0.06542	0.086	0.066	0.2198	0.22169	7.53E-01	4.09E-01	4.05E-06	2.30E-03	2.69E-02	6.21E-03	1.56E+00	1.51E+00	1.25E+00
3061	471863.09	3845877.25	0.0982	0.1772	0.03941	0.05808	0.087	0.063	0.176	0.1772	6.85E-01	3.27E-01	4.10E-06	2.04E-03	2.74E-02	5.90E-03	1.25E+00	1.20E+00	1.09E+00
3062	472363.09	3845877.25	0.08937	0.24666	0.03803	0.0565	0.086	0.056	0.24	0.24666	6.23E-01	4.56E-01	3.96E-06	1.99E-03	2.71E-02	5.25E-03	1.70E+00	1.68E+00	1.14E+00
3063	472863.09	3845877.25	0.08393	0.20378	0.03941	0.06057	0.088	0.051	0.2039	0.20378	5.85E-01	3.76E-01	4.10E-06	2.13E-03	2.76E-02	4.82E-03	1.44E+00	1.39E+00	1.06E+00
3064	473363.09	3845877.25	0.08193	0.23327	0.04001	0.0542	0.084	0.048	0.2367	0.23327	5.71E-01	4.31E-01	4.17E-06	1.91E-03	2.63E-02	4.55E-03	1.68E+00	1.59E+00	1.13E+00

3065	473863.09	3845877.25	0.09039	0.26184	0.03719	0.04888	0.087	0.048	0.2649	0.26184	6.30E-01	4.84E-01	3.87E-06	1.72E-03	2.71E-02	4.53E-03	1.88E+00	1.78E+00	1.24E+00
3066	474363.09	3845877.25	0.08709	0.36315	0.03435	0.04727	0.081	0.049	0.3688	0.36315	6.07E-01	6.71E-01	3.58E-06	1.66E-03	2.54E-02	4.58E-03	2.61E+00	2.47E+00	1.45E+00
3067	474863.09	3845877.25	0.09179	0.43008	0.03515	0.04666	0.08	0.051	0.4325	0.43008	6.40E-01	7.94E-01	3.66E-06	1.64E-03	2.50E-02	4.80E-03	3.06E+00	2.92E+00	1.61E+00
3068	475363.09	3845877.25	0.09695	0.45337	0.03681	0.04634	0.077	0.05	0.4561	0.45337	6.76E-01	8.37E-01	3.83E-06	1.63E-03	2.42E-02	4.67E-03	3.23E+00	3.08E+00	1.69E+00
3069	475863.09	3845877.25	0.09346	0.42809	0.03517	0.04683	0.08	0.051	0.4315	0.42809	6.52E-01	7.91E-01	3.66E-06	1.65E-03	2.52E-02	4.81E-03	3.06E+00	2.91E+00	1.62E+00
3070	476363.09	3845877.25	0.09523	0.40084	0.03337	0.04935	0.083	0.05	0.404	0.40084	6.64E-01	7.40E-01	3.47E-06	1.74E-03	2.60E-02	4.71E-03	2.86E+00	2.73E+00	1.57E+00
3071	476863.09	3845877.25	0.09809	0.34449	0.03238	0.05101	0.086	0.048	0.3707	0.34449	6.84E-01	6.36E-01	3.37E-06	1.80E-03	2.68E-02	4.48E-03	2.63E+00	2.34E+00	1.64E+00
3072	477363.09	3845877.25	0.10875	0.30455	0.03569	0.04832	0.084	0.048	0.3279	0.30455	7.58E-01	5.62E-01	3.72E-06	1.70E-03	2.63E-02	4.51E-03	2.32E+00	2.07E+00	1.61E+00
3073	477863.09	3845877.25	0.12099	0.26543	0.0347	0.04513	0.088	0.054	0.2751	0.26543	8.44E-01	4.90E-01	3.61E-06	1.59E-03	2.76E-02	5.11E-03	1.95E+00	1.80E+00	1.51E+00
3074	478363.09	3845877.25	0.12148	0.24667	0.0347	0.0468	0.092	0.062	0.2468	0.24667	8.47E-01	4.56E-01	3.61E-06	1.65E-03	2.88E-02	5.80E-03	1.75E+00	1.68E+00	1.41E+00
3075	478863.09	3845877.25	0.12196	0.22956	0.03314	0.04955	0.096	0.065	0.2305	0.22956	8.50E-01	4.24E-01	3.45E-06	1.74E-03	3.01E-02	6.09E-03	1.63E+00	1.56E+00	1.38E+00
3076	479363.09	3845877.25	0.11562	0.22792	0.03406	0.05407	0.095	0.067	0.2349	0.22792	8.06E-01	4.21E-01	3.55E-06	1.90E-03	2.98E-02	6.34E-03	1.66E+00	1.55E+00	1.38E+00
3077	479863.09	3845877.25	0.12071	0.21411	0.0337	0.05731	0.108	0.065	0.2197	0.21411	8.42E-01	3.95E-01	3.51E-06	2.02E-03	3.38E-02	6.07E-03	1.56E+00	1.46E+00	1.38E+00
3078	480363.09	3845877.25	0.12287	0.1766	0.03384	0.05922	0.117	0.066	0.1771	0.1766	8.57E-01	3.26E-01	3.52E-06	2.08E-03	3.66E-02	6.22E-03	1.26E+00	1.20E+00	1.28E+00
3079	480863.09	3845877.25	0.13682	0.16134	0.04759	0.06281	0.136	0.076	0.1615	0.16134	9.54E-01	2.98E-01	4.95E-06	2.21E-03	4.26E-02	7.16E-03	1.14E+00	1.10E+00	1.35E+00
3080	481363.09	3845877.25	0.13662	0.13589	0.05669	0.06467	0.128	0.073	0.1368	0.13589	9.52E-01	2.51E-01	5.90E-06	2.28E-03	4.01E-02	6.87E-03	9.70E-01	9.24E-01	1.30E+00
3081	481863.09	3845877.25	0.1233	0.12179	0.0397	0.06664	0.123	0.066	0.1234	0.12179	8.60E-01	2.25E-01	4.13E-06	2.35E-03	3.86E-02	6.16E-03	8.74E-01	8.28E-01	1.18E+00
3082	482363.09	3845877.25	0.10943	0.11358	0.04174	0.06271	0.126	0.061	0.1153	0.11358	7.63E-01	2.10E-01	4.35E-06	2.21E-03	3.95E-02	5.77E-03	8.17E-01	7.72E-01	1.07E+00
3083	482863.09	3845877.25	0.10469	0.09267	0.03325	0.0579	0.119	0.053	0.0958	0.09267	7.30E-01	1.71E-01	3.46E-06	2.04E-03	3.74E-02	4.98E-03	6.79E-01	6.30E-01	9.94E-01
3084	483363.09	3845877.25	0.09385	0.08105	0.03453	0.05503	0.097	0.049	0.085	0.08105	6.54E-01	1.50E-01	3.59E-06	1.94E-03	3.03E-02	4.64E-03	6.02E-01	5.51E-01	8.92E-01
3085	483863.09	3845877.25	0.10171	0.10033	0.03582	0.05454	0.094	0.055	0.1001	0.10033	7.09E-01	1.85E-01	3.73E-06	1.92E-03	2.95E-02	5.20E-03	7.09E-01	6.82E-01	9.58E-01
3086	484363.09	3845877.25	0.10203	0.09919	0.03905	0.05412	0.099	0.054	0.0995	0.09919	7.11E-01	1.83E-01	4.07E-06	1.90E-03	3.09E-02	5.05E-03	7.05E-01	6.74E-01	9.63E-01
3087	484863.09	3845877.25	0.10449	0.09589	0.03539	0.05217	0.105	0.053	0.0946	0.09589	7.28E-01	1.77E-01	3.68E-06	1.84E-03	3.28E-02	4.97E-03	6.70E-01	6.52E-01	9.64E-01
3088	485363.09	3845877.25	0.09671	0.08627	0.03481	0.04814	0.104	0.051	0.0895	0.08627	6.74E-01	1.59E-01	3.62E-06	1.69E-03	3.26E-02	4.84E-03	6.34E-01	5.87E-01	9.20E-01
3089	485863.09	3845877.25	0.08867	0.08729	0.03913	0.05095	0.101	0.048	0.089	0.08729	6.18E-01	1.61E-01	4.07E-06	1.79E-03	3.17E-02	4.47E-03	6.31E-01	5.94E-01	8.55E-01
3090	486363.09	3845877.25	0.08723	0.08424	0.03918	0.05003	0.096	0.049	0.0863	0.08424	6.08E-01	1.56E-01	4.08E-06	1.76E-03	3.00E-02	4.57E-03	6.11E-01	5.73E-01	8.39E-01
3091	486863.09	3845877.25	0.08539	0.07897	0.04132	0.04503	0.104	0.047	0.0789	0.07897	5.95E-01	1.46E-01	4.30E-06	1.58E-03	3.26E-02	4.41E-03	5.59E-01	5.37E-01	8.02E-01
3092	487363.09	3845877.25	0.08884	0.07634	0.03914	0.04222	0.111	0.046	0.0765	0.07634	6.19E-01	1.41E-01	4.07E-06	1.49E-03	3.49E-02	4.29E-03	5.42E-01	5.19E-01	8.24E-01
3093	487863.09	3845877.25	0.08798	0.06977	0.0366	0.04409	0.103	0.044	0.0705	0.06977	6.13E-01	1.29E-01	3.81E-06	1.55E-03	3.23E-02	4.13E-03	4.99E-01	4.74E-01	8.05E-01
3094	488363.09	3845877.25	0.09293	0.0687	0.0404	0.0441	0.095	0.044	0.0692	0.0687	6.48E-01	1.27E-01	4.21E-06	1.55E-03	2.99E-02	4.18E-03	4.90E-01	4.67E-01	8.34E-01
3095	488863.09	3845877.25	0.09503	0.07694	0.04223	0.0501	0.097	0.045	0.0782	0.07694	6.63E-01	1.42E-01	4.40E-06	1.76E-03	3.05E-02	4.28E-03	5.54E-01	5.23E-01	8.72E-01
3096	489363.09	3845877.25	0.08867	0.0763	0.03979	0.04461	0.095	0.047	0.0784	0.0763	6.18E-01	1.41E-01	4.14E-06	1.57E-03	2.99E-02	4.39E-03	5.55E-01	5.19E-01	8.31E-01
3097	489863.09	3845877.25	0.08644	0.07088	0.04328	0.04291	0.102	0.047	0.0726	0.07088	6.03E-01	1.31E-01	4.51E-06	1.51E-03	3.19E-02	4.45E-03	5.14E-01	4.82E-01	8.04E-01
3098	490363.09	3845877.25	0.08868	0.06363	0.04224	0.04411	0.109	0.05	0.063	0.06363	6.18E-01	1.18E-01	4.40E-06	1.55E-03	3.43E-02	4.71E-03	4.46E-01	4.33E-01	7.90E-01
3099	490863.09	3845877.25	0.08205	0.05844	0.04283	0.04245	0.107	0.048	0.0581	0.05844	5.72E-01	1.08E-01	4.46E-06	1.49E-03	3.36E-02	4.56E-03	4.12E-01	3.97E-01	7.34E-01
3100	491363.09	3845877.25	0.08536	0.05979	0.04452	0.04182	0.118	0.051	0.0601	0.05979	5.95E-01	1.10E-01	4.63E-06	1.47E-03	3.70E-02	4.77E-03	4.26E-01	4.07E-01	7.68E-01
3101	491863.09	3845877.25	0.08788	0.06111	0.05231	0.04179	0.116	0.051	0.0619	0.06111	6.13E-01	1.13E-01	5.45E-06	1.47E-03	3.65E-02	4.83E-03	4.39E-01	4.16E-01	7.92E-01
3102	492363.09	3845877.25	0.08541	0.05816	0.04977	0.03976	0.124	0.049	0.0585	0.05816	5.95E-01	1.07E-01	5.18E-06	1.40E-03	3.89E-02	4.61E-03	4.15E-01	3.95E-01	7.67E-01
3103	492863.09	3845877.25	0.09112	0.06165	0.04996	0.0474	0.114	0.053	0.0626	0.06165	6.35E-01	1.14E-01	5.20E-06	1.67E-03	3.57E-02	4.99E-03	4.43E-01	4.19E-01	8.16E-01
3104	493363.09	3845877.25	0.09686	0.06407	0.0506	0.05278	0.11	0.054	0.065	0.06407	6.75E-01	1.18E-01	5.27E-06	1.86E-03	3.44E-02	5.08E-03	4.61E-01	4.36E-01	8.60E-01
3105	493863.09	3845877.25	0.096	0.06779	0.05212	0.05821	0.112	0.055	0.0687	0.06779	6.69E-01	1.25E-01	5.43E-06	2.05E-03	3.52E-02	5.17E-03	4.87E-01	4.61E-01	8.63E-01
3106	494363.09	3845877.25	0.1016	0.06937	0.05546	0.05658	0.117	0.052	0.0699	0.06937	7.08E-01	1.28E-01	5.77E-06	1.99E-03	3.66E-02	4.93E-03	4.95E-01	4.72E-01	9.04E-01
3107	494863.09	3845877.25	0.10202	0.06902	0.06095	0.05855	0.115	0.054	0.0696	0.06902	7.11E-01	1.27E-01	6.35E-06	2.06E-03	3.59E-02	5.10E-03	4.93E-01	4.69E-01	9.05E-01
3108	495363.09	3845877.25	0.10207	0.07174	0.05831	0.06155	0.12	0.058	0.0723	0.07174	7.12E-01	1.32E-01	6.07E-06	2.17E-03	3.76E-02	5.47E-03	5.12E-01	4.88E-01	9.14E-01
3109	495863.09	3845877.25	0.10221	0.07256	0.05433	0.06394	0.115	0.06	0.0731	0.07256	7.13E-01	1.34E-01	5.66E-06	2.25E-03	3.60E-02	5.68E-03	5.18E-01	4.93E-01	9.15E-01
3110	496363.09	3845877.25	0.10443	0.07323	0.05546	0.06124	0.117	0.065	0.0738	0.07323	7.28E-01	1.35E-01	5.77E-06	2.16E-03	3.65E-02	6.12E-03	5.23E-01	4.98E-01	9.33E-01
3111	496863.09	3845877.25	0.10492	0.07311	0.05272	0.06058	0.111	0.062	0.0737	0.07311	7.31E-01	1.35E-01	5.49E-06	2.13E-03	3.47E-02	5.82E-03	5.22E-01	4.97E-01	9.34E-01
3112	497363.09	3845877.25	0.10709	0.073	0.05151	0.05849	0.123	0.064	0.0735	0.073	7.47E-01	1.35E-01	5.36E-06	2.06E-03	3.87E-02	5.99E-03	5.21E-01	4.96E-01	9.53E-01
3113	497863.09	3845877.25	0.10529	0.07317	0.05545	0.06086	0.124	0.065	0.0738	0.07317	7.34E-01	1.35E-01	5.77E-06	2.14E-03	3.88E-02	6.09E-03	5.23E-01	4.98E-01	9.41E-01
3114	498363.09	3845877.25	0.1063	0.07294	0.05969	0.05932	0.148	0.065	0.0736	0.07294	7.41E-01	1.35E-01	6.21E-06	2.09E-03	4.64E-02	6.10E-03	5.21E-01	4.96E-01	9.56E-01
3115	471363.09	3846377.25	0.11731	3.20135	0.03972	0.05767	0.089	0.067	3.2259	3.20135	8.18E-01	5.91E+00	4.14E-06	2.03E-03	2.80E-02	6.27E-03	2.29E+01	2.18E+01	7.85E+00
3116	471863.09	3846377.25	0.11593	2.07738	0.03984	0.06856	0.095	0.07	2.0937	2.07738	8.08E-01	3.84E+00	4.15E-06	2.41E-03	2.99E-02	6.54E-03	1.48E+01	1.41E+01	5.39E+00
3117	472363.09	3846377.25	0.10547	0.3971	0.04149	0.06352	0.093	0.066	0.3993	0.3971	7.35E-01	7.33E-01	4.32E-06	2.24E-03	2.90E-02	6.17E-03	2.83E+00	2.70E+00	1.63E+00
3118	472863.09	3846377.25	0.09473	0.36472	0.04014	0.0599	0.088	0.06	0.3676	0.36472	6.60E-01	6.74E-01	4.18E-06	2.11E-03	2.76E-02	5.60E-03	2.60E+00	2.48E+00	1.49E+00
3119	473363.09	3846377.25	0.08841	0.36598	0.04243	0.0668	0.093	0.054	0.3708	0.36598	6.16E-01	6.76E-01	4.42E-06	2.35E-03	2.92E-02	5.06E-03	2.63E+00	2.49E+00	1.47E+00
3120	473863.09	3846377.25	0.08765	0.44231	0.04202	0.0582	0.088	0.051	0.4501	0.44231	6.11E-01	8.17E-01	4.37E-06	2.05E-03	2.74E-02	4.82E-03	3.19E+00	3.01E+00	1.64E+00
3121	474363.09	3846377.25	0.09359	0.47878	0.03938	0.05202	0.093	0.05	0.4866	0.47878	6.52E-01	8.84E-01	4.10E-06	1.83E-03	2.91E-02	4.73E-03	3.45E+00	3.26E+00	1.76E+00
3122	474863.09	3846377.25	0.09188	0.54221	0.03575	0.04955	0.085	0.053	0.5472	0.54221	6.41E-01	1.00E+00	3.72E-06	1.74E-03	2.66E-02	4.95E-03	3.88E+00	3.69E+00	1.87E+00
3123	475363.09	3846377.25	0.09727	0.56445	0.0371	0.04846	0.083	0.053	0.5686	0.56445	6.78E-01	1.04E+00	3.86E-06	1.71E-03	2.59E-02	4.97E-03	4.03E+00	3.84E+00	1.94E+00

3124	475863.09	3846377.25	0.10232	0.5224	0.03813	0.04841	0.081	0.054	0.5315	0.5224	7.13E-01	9.65E-01	3.97E-06	1.70E-03	2.52E-02	5.05E-03	3.77E+00	3.55E+00	1.92E+00
3125	476363.09	3846377.25	0.09755	0.48097	0.03726	0.04869	0.086	0.058	0.485	0.48097	6.80E-01	8.88E-01	3.88E-06	1.71E-03	2.69E-02	5.43E-03	3.44E+00	3.27E+00	1.77E+00
3126	476863.09	3846377.25	0.09832	0.44401	0.03459	0.05127	0.086	0.052	0.4477	0.44401	6.85E-01	8.20E-01	3.60E-06	1.80E-03	2.70E-02	4.86E-03	3.17E+00	3.02E+00	1.69E+00
3127	477363.09	3846377.25	0.10562	0.38728	0.03546	0.05305	0.089	0.05	0.4093	0.38728	7.36E-01	7.15E-01	3.69E-06	1.87E-03	2.77E-02	4.74E-03	2.90E+00	2.63E+00	1.75E+00
3128	477863.09	3846377.25	0.11708	0.32655	0.03703	0.04956	0.087	0.051	0.3496	0.32655	8.16E-01	6.03E-01	3.86E-06	1.74E-03	2.72E-02	4.75E-03	2.48E+00	2.22E+00	1.71E+00
3129	478363.09	3846377.25	0.12833	0.3011	0.03641	0.04745	0.092	0.059	0.3054	0.3011	8.95E-01	5.56E-01	3.79E-06	1.67E-03	2.90E-02	5.53E-03	2.16E+00	2.05E+00	1.60E+00
3130	478863.09	3846377.25	0.12519	0.2881	0.0354	0.04934	0.095	0.065	0.2911	0.2881	8.73E-01	5.32E-01	3.69E-06	1.74E-03	2.98E-02	6.09E-03	2.06E+00	1.96E+00	1.55E+00
3131	479363.09	3846377.25	0.13076	0.26333	0.03601	0.0572	0.103	0.066	0.2771	0.26333	9.12E-01	4.86E-01	3.75E-06	2.01E-03	3.22E-02	6.23E-03	1.96E+00	1.79E+00	1.61E+00
3132	479863.09	3846377.25	0.12487	0.24012	0.03514	0.05754	0.102	0.077	0.2476	0.24012	8.71E-01	4.43E-01	3.66E-06	2.03E-03	3.19E-02	7.24E-03	1.75E+00	1.63E+00	1.48E+00
3133	480363.09	3846377.25	0.12802	0.22688	0.03566	0.06249	0.118	0.069	0.2333	0.22688	8.93E-01	4.19E-01	3.71E-06	2.20E-03	3.70E-02	6.49E-03	1.65E+00	1.54E+00	1.47E+00
3134	480863.09	3846377.25	0.14325	0.18432	0.04588	0.06832	0.132	0.08	0.1888	0.18432	9.99E-01	3.40E-01	4.78E-06	2.40E-03	4.15E-02	7.55E-03	1.34E+00	1.25E+00	1.47E+00
3135	481363.09	3846377.25	0.14032	0.16998	0.06207	0.06413	0.133	0.078	0.1747	0.16998	9.78E-01	3.14E-01	6.46E-06	2.26E-03	4.15E-02	7.35E-03	1.24E+00	1.16E+00	1.43E+00
3136	481863.09	3846377.25	0.13155	0.14441	0.0495	0.07431	0.131	0.074	0.1443	0.14441	9.17E-01	2.67E-01	5.15E-06	2.62E-03	4.11E-02	6.94E-03	1.02E+00	9.82E-01	1.28E+00
3137	482363.09	3846377.25	0.12178	0.13059	0.04355	0.06783	0.134	0.066	0.1318	0.13059	8.49E-01	2.41E-01	4.53E-06	2.39E-03	4.19E-02	6.18E-03	9.34E-01	8.88E-01	1.19E+00
3138	482863.09	3846377.25	0.11559	0.11589	0.03865	0.06614	0.132	0.058	0.1187	0.11589	8.06E-01	2.14E-01	4.02E-06	2.33E-03	4.15E-02	5.45E-03	8.41E-01	7.88E-01	1.12E+00
3139	483363.09	3846377.25	0.11139	0.11688	0.03566	0.06472	0.113	0.064	0.1205	0.11688	7.77E-01	2.16E-01	3.71E-06	2.28E-03	3.55E-02	6.01E-03	8.54E-01	7.95E-01	1.10E+00
3140	483863.09	3846377.25	0.10591	0.11486	0.04108	0.05819	0.096	0.062	0.1147	0.11486	7.38E-01	2.12E-01	4.28E-06	2.05E-03	3.01E-02	5.81E-03	8.13E-01	7.81E-01	1.02E+00
3141	484363.09	3846377.25	0.10291	0.10192	0.03818	0.05653	0.103	0.056	0.1008	0.10192	7.17E-01	1.88E-01	3.97E-06	1.99E-03	3.23E-02	5.23E-03	7.14E-01	6.93E-01	9.66E-01
3142	484863.09	3846377.25	0.1092	0.10803	0.04405	0.05553	0.11	0.06	0.106	0.10803	7.61E-01	2.00E-01	4.59E-06	1.95E-03	3.44E-02	5.60E-03	7.51E-01	7.35E-01	1.02E+00
3143	485363.09	3846377.25	0.10857	0.10701	0.03849	0.05658	0.111	0.059	0.1075	0.10701	7.57E-01	1.98E-01	4.01E-06	1.99E-03	3.48E-02	5.58E-03	7.61E-01	7.28E-01	1.03E+00
3144	485863.09	3846377.25	0.09514	0.09922	0.04123	0.05331	0.11	0.051	0.0997	0.09922	6.63E-01	1.83E-01	4.29E-06	1.88E-03	3.43E-02	4.83E-03	7.07E-01	6.75E-01	9.20E-01
3145	486363.09	3846377.25	0.08864	0.08268	0.04119	0.0519	0.097	0.05	0.0833	0.08268	6.18E-01	1.53E-01	4.29E-06	1.83E-03	3.04E-02	4.66E-03	5.90E-01	5.62E-01	8.35E-01
3146	486863.09	3846377.25	0.08734	0.07691	0.04398	0.04799	0.108	0.048	0.0774	0.07691	6.09E-01	1.42E-01	4.58E-06	1.69E-03	3.39E-02	4.55E-03	5.48E-01	5.23E-01	8.17E-01
3147	487363.09	3846377.25	0.09281	0.08064	0.0411	0.04527	0.116	0.049	0.0813	0.08064	6.47E-01	1.49E-01	4.28E-06	1.59E-03	3.62E-02	4.64E-03	5.76E-01	5.48E-01	8.66E-01
3148	487863.09	3846377.25	0.09373	0.08953	0.04024	0.05377	0.107	0.048	0.09	0.08953	6.53E-01	1.65E-01	4.19E-06	1.89E-03	3.37E-02	4.48E-03	6.38E-01	6.09E-01	8.88E-01
3149	488363.09	3846377.25	0.09794	0.08842	0.04263	0.05475	0.105	0.047	0.0889	0.08842	6.83E-01	1.63E-01	4.44E-06	1.93E-03	3.30E-02	4.42E-03	6.30E-01	6.01E-01	9.14E-01
3150	488863.09	3846377.25	0.09898	0.08468	0.04361	0.05324	0.101	0.047	0.0854	0.08468	6.90E-01	1.56E-01	4.54E-06	1.87E-03	3.16E-02	4.44E-03	6.05E-01	5.76E-01	9.14E-01
3151	489363.09	3846377.25	0.09144	0.08156	0.04221	0.04644	0.103	0.052	0.0823	0.08156	6.37E-01	1.51E-01	4.39E-06	1.63E-03	3.22E-02	4.87E-03	5.83E-01	5.55E-01	8.55E-01
3152	489863.09	3846377.25	0.09529	0.07778	0.04296	0.04525	0.107	0.051	0.0785	0.07778	6.64E-01	1.44E-01	4.47E-06	1.59E-03	3.34E-02	4.81E-03	5.56E-01	5.29E-01	8.75E-01
3153	490363.09	3846377.25	0.09116	0.06544	0.04545	0.04478	0.117	0.053	0.0652	0.06544	6.36E-01	1.21E-01	4.73E-06	1.58E-03	3.67E-02	4.99E-03	4.62E-01	4.45E-01	8.17E-01
3154	490863.09	3846377.25	0.08512	0.06084	0.04602	0.04376	0.116	0.051	0.061	0.06084	5.93E-01	1.12E-01	4.79E-06	1.54E-03	3.65E-02	4.84E-03	4.32E-01	4.14E-01	7.67E-01
3155	491363.09	3846377.25	0.08866	0.0586	0.05007	0.04259	0.117	0.051	0.0589	0.0586	6.18E-01	1.08E-01	5.21E-06	1.50E-03	3.66E-02	4.84E-03	4.17E-01	3.98E-01	7.88E-01
3156	491863.09	3846377.25	0.09024	0.06433	0.05303	0.04341	0.124	0.056	0.0649	0.06433	6.29E-01	1.19E-01	5.52E-06	1.53E-03	3.89E-02	5.27E-03	4.59E-01	4.37E-01	8.16E-01
3157	492363.09	3846377.25	0.0925	0.06326	0.05245	0.04633	0.129	0.053	0.0639	0.06326	6.45E-01	1.17E-01	5.46E-06	1.63E-03	4.04E-02	4.95E-03	4.53E-01	4.30E-01	8.31E-01
3158	492863.09	3846377.25	0.09798	0.06371	0.05142	0.04946	0.117	0.053	0.0642	0.06371	6.83E-01	1.18E-01	5.35E-06	1.74E-03	3.68E-02	5.00E-03	4.55E-01	4.33E-01	8.66E-01
3159	493363.09	3846377.25	0.09887	0.06814	0.05449	0.05866	0.115	0.059	0.069	0.06814	6.89E-01	1.26E-01	5.67E-06	2.06E-03	3.60E-02	5.58E-03	4.89E-01	4.63E-01	8.85E-01
3160	493863.09	3846377.25	0.10432	0.07063	0.05753	0.06232	0.12	0.058	0.0712	0.07063	7.27E-01	1.30E-01	5.99E-06	2.19E-03	3.77E-02	5.41E-03	5.04E-01	4.80E-01	9.27E-01
3161	494363.09	3846377.25	0.10631	0.07031	0.06181	0.06069	0.121	0.058	0.0709	0.07031	7.41E-01	1.30E-01	6.43E-06	2.14E-03	3.80E-02	5.44E-03	5.02E-01	4.78E-01	9.41E-01
3162	494863.09	3846377.25	0.10507	0.07247	0.06089	0.06	0.125	0.057	0.073	0.07247	7.33E-01	1.34E-01	6.34E-06	2.11E-03	3.91E-02	5.39E-03	5.17E-01	4.93E-01	9.37E-01
3163	495363.09	3846377.25	0.10433	0.07343	0.05611	0.06577	0.12	0.061	0.074	0.07343	7.27E-01	1.36E-01	5.84E-06	2.31E-03	3.76E-02	5.73E-03	5.24E-01	4.99E-01	9.33E-01
3164	495863.09	3846377.25	0.10606	0.07444	0.05884	0.06669	0.116	0.063	0.0751	0.07444	7.39E-01	1.37E-01	6.13E-06	2.35E-03	3.64E-02	5.87E-03	5.32E-01	5.06E-01	9.47E-01
3165	496363.09	3846377.25	0.10794	0.07531	0.05815	0.06258	0.117	0.068	0.0759	0.07531	7.53E-01	1.39E-01	6.05E-06	2.20E-03	3.65E-02	6.39E-03	5.38E-01	5.12E-01	9.63E-01
3166	496863.09	3846377.25	0.11098	0.07604	0.05621	0.06219	0.129	0.069	0.0765	0.07604	7.74E-01	1.40E-01	5.85E-06	2.19E-03	4.04E-02	6.46E-03	5.42E-01	5.17E-01	9.88E-01
3167	497363.09	3846377.25	0.10795	0.07613	0.06054	0.06212	0.13	0.069	0.0766	0.07613	7.53E-01	1.41E-01	6.30E-06	2.19E-03	4.06E-02	6.51E-03	5.42E-01	5.18E-01	9.67E-01
3168	497863.09	3846377.25	0.11251	0.07563	0.06383	0.06295	0.161	0.068	0.076	0.07563	7.84E-01	1.40E-01	6.65E-06	2.22E-03	5.04E-02	6.37E-03	5.39E-01	5.14E-01	1.01E+00
3169	498363.09	3846377.25	0.11669	0.07532	0.06433	0.06269	0.166	0.072	0.0759	0.07532	8.14E-01	1.39E-01	6.70E-06	2.21E-03	5.21E-02	6.75E-03	5.38E-01	5.12E-01	1.04E+00
3170	471363.09	3846877.25	0.11345	1.27531	0.03879	0.06754	0.102	0.072	1.2934	1.27531	7.91E-01	2.36E+00	4.04E-06	2.38E-03	3.19E-02	6.77E-03	9.16E+00	8.67E+00	3.68E+00
3171	471863.09	3846877.25	0.12879	1.87062	0.04097	0.06534	0.095	0.071	1.8857	1.87062	8.98E-01	3.45E+00	4.27E-06	2.30E-03	2.97E-02	6.68E-03	1.34E+01	1.27E+01	5.03E+00
3172	472363.09	3846877.25	0.12703	7.98016	0.04247	0.06602	0.1	0.076	8.0432	7.98016	8.86E-01	1.47E+01	4.42E-06	2.32E-03	3.15E-02	7.10E-03	5.70E+01	5.43E+01	1.84E+01
3173	472863.09	3846877.25	0.11695	0.74835	0.04291	0.07057	0.095	0.069	0.7537	0.74835	8.15E-01	1.38E+00	4.47E-06	2.48E-03	2.97E-02	6.52E-03	5.34E+00	5.09E+00	2.49E+00
3174	473363.09	3846877.25	0.10319	0.66963	0.04197	0.06495	0.094	0.064	0.6764	0.66963	7.19E-01	1.24E+00	4.37E-06	2.29E-03	2.94E-02	6.00E-03	4.79E+00	4.55E+00	2.23E+00
3175	473863.09	3846877.25	0.09486	0.78079	0.04416	0.07043	0.099	0.057	0.7756	0.78079	6.61E-01	1.44E+00	4.60E-06	2.48E-03	3.09E-02	5.39E-03	5.50E+00	5.31E+00	2.33E+00
3176	474363.09	3846877.25	0.09398	0.70612	0.04365	0.06386	0.093	0.054	0.7064	0.70612	6.55E-01	1.30E+00	4.54E-06	2.25E-03	2.93E-02	5.05E-03	5.00E+00	4.80E+00	2.20E+00
3177	474863.09	3846877.25	0.09819	0.66579	0.04183	0.05631	0.099	0.052	0.6771	0.66579	6.85E-01	1.23E+00	4.35E-06	1.98E-03	3.09E-02	4.92E-03	4.80E+00	4.53E+00	2.22E+00
3178	475363.09	3846877.25	0.09751	0.62219	0.0374	0.05156	0.088	0.056	0.6277	0.62219	6.80E-01	1.15E+00	3.89E-06	1.81E-03	2.76E-02	5.23E-03	4.45E+00	4.23E+00	2.08E+00
3179	475863.09	3846877.25	0.10513	0.6528	0.03876	0.05152	0.085	0.055	0.6565	0.6528	7.33E-01	1.21E+00	4.04E-06	1.81E-03	2.67E-02	5.14E-03	4.65E+00	4.44E+00	2.18E+00
3180	476363.09	3846877.25	0.10927	0.61467	0.03948	0.05037	0.084	0.056	0.6185	0.61467	7.62E-01	1.14E+00	4.11E-06	1.77E-03	2.62E-02	5.25E-03	4.38E+00	4.18E+00	2.13E+00
3181	476863.09	3846877.25	0.10372	0.55879	0.03954	0.05065	0.089	0.06	0.5638	0.55879	7.23E-01	1.03E+00	4.12E-06	1.78E-03	2.80E-02	5.66E-03	3.99E+00	3.80E+00	1.99E+00
3182	477363.09	3846877.25	0.10398	0.49561	0.03571	0.05542	0.089	0.054	0.5004	0.49561	7.25E-01	9.15E-01	3.72E-06	1.95E-03	2.80E-02	5.04E-03	3.55E+00	3.37E+00	1.85E+00

3183	477863.09	3846877.25	0.11428	0.43187	0.03882	0.05526	0.095	0.052	0.4428	0.43187	7.97E-01	7.98E-01	4.04E-06	1.94E-03	2.97E-02	4.84E-03	3.14E+00	2.94E+00	1.83E+00
3184	478363.09	3846877.25	0.12811	0.39237	0.03772	0.05158	0.091	0.055	0.4071	0.39237	8.93E-01	7.25E-01	3.93E-06	1.82E-03	2.85E-02	5.16E-03	2.88E+00	2.67E+00	1.87E+00
3185	478863.09	3846877.25	0.13403	0.36682	0.0389	0.04939	0.098	0.064	0.3749	0.36682	9.34E-01	6.77E-01	4.05E-06	1.74E-03	3.06E-02	5.98E-03	2.66E+00	2.49E+00	1.81E+00
3186	479363.09	3846877.25	0.13257	0.33201	0.03731	0.05232	0.099	0.067	0.335	0.33201	9.24E-01	6.13E-01	3.88E-06	1.84E-03	3.11E-02	6.34E-03	2.37E+00	2.26E+00	1.69E+00
3187	479863.09	3846877.25	0.13066	0.23826	0.03726	0.05998	0.107	0.076	0.2396	0.23826	9.11E-01	4.40E-01	3.88E-06	2.11E-03	3.36E-02	7.18E-03	1.70E+00	1.62E+00	1.47E+00
3188	480363.09	3846877.25	0.12719	0.19333	0.03637	0.06213	0.112	0.073	0.1952	0.19333	8.87E-01	3.57E-01	3.79E-06	2.19E-03	3.51E-02	6.88E-03	1.38E+00	1.31E+00	1.36E+00
3189	480863.09	3846877.25	0.14506	0.17433	0.04026	0.06763	0.121	0.074	0.1776	0.17433	1.01E+00	3.22E-01	4.19E-06	2.38E-03	3.78E-02	6.95E-03	1.26E+00	1.19E+00	1.45E+00
3190	481363.09	3846877.25	0.14198	0.17439	0.05359	0.07042	0.151	0.08	0.1722	0.17439	9.90E-01	3.22E-01	5.58E-06	2.48E-03	4.72E-02	7.55E-03	1.22E+00	1.19E+00	1.40E+00
3191	481863.09	3846877.25	0.14422	0.16684	0.05276	0.07681	0.136	0.078	0.1663	0.16684	1.01E+00	3.08E-01	5.49E-06	2.70E-03	4.26E-02	7.33E-03	1.18E+00	1.13E+00	1.41E+00
3192	482363.09	3846877.25	0.13288	0.14421	0.04882	0.07279	0.132	0.069	0.1465	0.14421	9.26E-01	2.66E-01	5.08E-06	2.56E-03	4.15E-02	6.44E-03	1.04E+00	9.81E-01	1.30E+00
3193	482863.09	3846877.25	0.12838	0.1391	0.04556	0.06864	0.136	0.066	0.1402	0.1391	8.95E-01	2.57E-01	4.74E-06	2.42E-03	4.26E-02	6.22E-03	9.93E-01	9.46E-01	1.25E+00
3194	483363.09	3846877.25	0.12674	0.13315	0.03702	0.07182	0.133	0.066	0.1288	0.13315	8.84E-01	2.46E-01	3.85E-06	2.53E-03	4.18E-02	6.23E-03	9.13E-01	9.05E-01	1.19E+00
3195	483863.09	3846877.25	0.1203	0.12892	0.04381	0.06443	0.103	0.067	0.1286	0.12892	8.39E-01	2.38E-01	4.56E-06	2.27E-03	3.22E-02	6.28E-03	9.11E-01	8.77E-01	1.15E+00
3196	484363.09	3846877.25	0.10891	0.12837	0.04166	0.06267	0.101	0.062	0.128	0.12837	7.59E-01	2.37E-01	4.34E-06	2.21E-03	3.18E-02	5.78E-03	9.07E-01	8.73E-01	1.07E+00
3197	484863.09	3846877.25	0.116	0.11663	0.04515	0.05805	0.12	0.062	0.117	0.11663	8.09E-01	2.15E-01	4.70E-06	2.04E-03	3.75E-02	5.85E-03	8.29E-01	7.93E-01	1.11E+00
3198	485363.09	3846877.25	0.11499	0.11438	0.04024	0.06029	0.115	0.065	0.1147	0.11438	8.02E-01	2.11E-01	4.19E-06	2.12E-03	3.59E-02	6.15E-03	8.13E-01	7.78E-01	1.09E+00
3199	485863.09	3846877.25	0.10473	0.10809	0.04365	0.05829	0.122	0.055	0.1088	0.10809	7.30E-01	2.00E-01	4.54E-06	2.05E-03	3.83E-02	5.19E-03	7.71E-01	7.35E-01	1.01E+00
3200	486363.09	3846877.25	0.09819	0.10962	0.04607	0.05656	0.102	0.051	0.1114	0.10962	6.85E-01	2.02E-01	4.80E-06	1.99E-03	3.20E-02	4.79E-03	7.89E-01	7.45E-01	9.70E-01
3201	486863.09	3846877.25	0.09792	0.09533	0.05018	0.05208	0.114	0.052	0.095	0.09533	6.83E-01	1.76E-01	5.22E-06	1.83E-03	3.56E-02	4.92E-03	6.73E-01	6.48E-01	9.26E-01
3202	487363.09	3846877.25	0.09721	0.09633	0.04576	0.05287	0.125	0.053	0.0974	0.09633	6.78E-01	1.78E-01	4.76E-06	1.86E-03	3.91E-02	4.97E-03	6.90E-01	6.55E-01	9.37E-01
3203	487863.09	3846877.25	0.0988	0.0929	0.04332	0.05539	0.112	0.05	0.0942	0.0929	6.89E-01	1.72E-01	4.51E-06	1.95E-03	3.50E-02	4.73E-03	6.67E-01	6.32E-01	9.37E-01
3204	488363.09	3846877.25	0.09927	0.09317	0.04644	0.05555	0.109	0.049	0.0913	0.09317	6.92E-01	1.72E-01	4.83E-06	1.96E-03	3.42E-02	4.56E-03	6.47E-01	6.34E-01	9.18E-01
3205	488863.09	3846877.25	0.10277	0.08974	0.04562	0.05778	0.105	0.05	0.0895	0.08974	7.16E-01	1.66E-01	4.75E-06	2.03E-03	3.28E-02	4.68E-03	6.34E-01	6.10E-01	9.46E-01
3206	489363.09	3846877.25	0.09765	0.0882	0.04398	0.05014	0.109	0.055	0.089	0.0882	6.81E-01	1.63E-01	4.58E-06	1.76E-03	3.41E-02	5.18E-03	6.31E-01	6.00E-01	9.16E-01
3207	489863.09	3846877.25	0.10123	0.08186	0.04688	0.04925	0.115	0.058	0.0826	0.08186	7.06E-01	1.51E-01	4.88E-06	1.73E-03	3.59E-02	5.48E-03	5.85E-01	5.57E-01	9.28E-01
3208	490363.09	3846877.25	0.09467	0.07161	0.04642	0.04847	0.121	0.055	0.0723	0.07161	6.60E-01	1.32E-01	4.83E-06	1.71E-03	3.79E-02	5.20E-03	5.12E-01	4.87E-01	8.62E-01
3209	490863.09	3846877.25	0.09367	0.06857	0.0515	0.04822	0.125	0.057	0.0695	0.06857	6.53E-01	1.27E-01	5.36E-06	1.70E-03	3.93E-02	5.35E-03	4.92E-01	4.66E-01	8.52E-01
3210	491363.09	3846877.25	0.09222	0.06732	0.05527	0.04559	0.122	0.056	0.0679	0.06732	6.43E-01	1.24E-01	5.75E-06	1.60E-03	3.83E-02	5.25E-03	4.81E-01	4.58E-01	8.36E-01
3211	491863.09	3846877.25	0.09454	0.06482	0.05193	0.04607	0.136	0.056	0.0654	0.06482	6.59E-01	1.20E-01	5.41E-06	1.62E-03	4.27E-02	5.23E-03	4.63E-01	4.41E-01	8.51E-01
3212	492363.09	3846877.25	0.10117	0.07265	0.05361	0.05248	0.129	0.059	0.0733	0.07265	7.05E-01	1.34E-01	5.58E-06	1.85E-03	4.04E-02	5.58E-03	5.19E-01	4.94E-01	9.13E-01
3213	492863.09	3846877.25	0.10554	0.07305	0.05674	0.05597	0.12	0.062	0.0739	0.07305	7.36E-01	1.35E-01	5.91E-06	1.97E-03	3.74E-02	5.81E-03	5.23E-01	4.97E-01	9.43E-01
3214	493363.09	3846877.25	0.11076	0.07224	0.05974	0.06406	0.122	0.064	0.0728	0.07224	7.72E-01	1.33E-01	6.22E-06	2.25E-03	3.83E-02	6.03E-03	5.16E-01	4.91E-01	9.77E-01
3215	493863.09	3846877.25	0.11018	0.0727	0.06339	0.06482	0.126	0.064	0.0733	0.0727	7.68E-01	1.34E-01	6.60E-06	2.28E-03	3.95E-02	6.00E-03	5.20E-01	4.94E-01	9.75E-01
3216	494363.09	3846877.25	0.10799	0.07245	0.06307	0.0642	0.127	0.062	0.0731	0.07245	7.53E-01	1.34E-01	6.57E-06	2.26E-03	3.98E-02	5.87E-03	5.18E-01	4.93E-01	9.60E-01
3217	494863.09	3846877.25	0.10727	0.07281	0.05976	0.06522	0.126	0.063	0.0733	0.07281	7.48E-01	1.34E-01	6.22E-06	2.30E-03	3.94E-02	5.95E-03	5.20E-01	4.95E-01	9.54E-01
3218	495363.09	3846877.25	0.10781	0.07284	0.06154	0.06884	0.121	0.063	0.0733	0.07284	7.52E-01	1.35E-01	6.41E-06	2.42E-03	3.81E-02	5.89E-03	5.19E-01	4.95E-01	9.57E-01
3219	495863.09	3846877.25	0.11045	0.0724	0.06199	0.0674	0.124	0.064	0.0729	0.0724	7.70E-01	1.34E-01	6.45E-06	2.37E-03	3.90E-02	6.06E-03	5.16E-01	4.92E-01	9.75E-01
3220	496363.09	3846877.25	0.11188	0.07392	0.06144	0.06155	0.134	0.069	0.0744	0.07392	7.80E-01	1.37E-01	6.40E-06	2.17E-03	4.18E-02	6.53E-03	5.27E-01	5.03E-01	9.92E-01
3221	496863.09	3846877.25	0.11404	0.07445	0.06305	0.0622	0.13	0.072	0.0749	0.07445	7.95E-01	1.38E-01	6.56E-06	2.19E-03	4.08E-02	6.74E-03	5.31E-01	5.06E-01	1.01E+00
3222	497363.09	3846877.25	0.11693	0.0787	0.06599	0.06518	0.165	0.073	0.0793	0.0787	8.15E-01	1.45E-01	6.87E-06	2.29E-03	5.16E-02	6.86E-03	5.62E-01	5.35E-01	1.05E+00
3223	497863.09	3846877.25	0.12088	0.07961	0.06637	0.06697	0.178	0.077	0.081	0.07961	8.43E-01	1.47E-01	6.91E-06	2.36E-03	5.59E-02	7.25E-03	5.74E-01	5.41E-01	1.09E+00
3224	498363.09	3846877.25	0.12045	0.0784	0.07146	0.06844	0.158	0.081	0.0812	0.0784	8.40E-01	1.45E-01	7.44E-06	2.41E-03	4.95E-02	7.58E-03	5.76E-01	5.33E-01	1.09E+00
3225	471363.09	3847377.25	0.13121	0.87593	0.04261	0.06237	0.097	0.069	0.8935	0.87593	9.15E-01	1.62E+00	4.44E-06	2.20E-03	3.05E-02	6.47E-03	6.33E+00	5.96E+00	2.95E+00
3226	471863.09	3847377.25	0.13162	1.02692	0.04134	0.06756	0.103	0.073	1.0361	1.02692	9.18E-01	1.90E+00	4.30E-06	2.38E-03	3.21E-02	6.83E-03	7.34E+00	6.98E+00	3.21E+00
3227	472363.09	3847377.25	0.13425	1.51133	0.04169	0.0697	0.105	0.077	1.5218	1.51133	9.36E-01	2.79E+00	4.34E-06	2.45E-03	3.29E-02	7.23E-03	1.08E+01	1.03E+01	4.28E+00
3228	472863.09	3847377.25	0.13944	3.76785	0.04416	0.06414	0.098	0.076	3.8003	3.76785	9.72E-01	6.96E+00	4.60E-06	2.26E-03	3.07E-02	7.13E-03	2.69E+01	2.56E+01	9.28E+00
3229	473363.09	3847377.25	0.13282	1.47633	0.04459	0.07803	0.103	0.073	1.4886	1.47633	9.26E-01	2.73E+00	4.64E-06	2.75E-03	3.24E-02	6.90E-03	1.05E+01	1.00E+01	4.20E+00
3230	473863.09	3847377.25	0.11831	1.06086	0.04534	0.07176	0.1	0.068	1.0719	1.06086	8.25E-01	1.96E+00	4.72E-06	2.53E-03	3.13E-02	6.42E-03	7.60E+00	7.21E+00	3.21E+00
3231	474363.09	3847377.25	0.10295	1.0777	0.04573	0.06893	0.099	0.061	1.0736	1.0777	7.18E-01	1.99E+00	4.76E-06	2.43E-03	3.10E-02	5.77E-03	7.61E+00	7.33E+00	3.03E+00
3232	474863.09	3847377.25	0.10221	0.84326	0.0466	0.07087	0.101	0.057	0.8508	0.84326	7.13E-01	1.56E+00	4.85E-06	2.49E-03	3.16E-02	5.32E-03	6.03E+00	5.73E+00	2.60E+00
3233	475363.09	3847377.25	0.10247	0.70325	0.04407	0.05972	0.096	0.054	0.7097	0.70325	7.14E-01	1.30E+00	4.59E-06	2.10E-03	3.01E-02	5.11E-03	5.03E+00	4.78E+00	2.30E+00
3234	475863.09	3847377.25	0.10778	0.78319	0.03944	0.05406	0.095	0.058	0.7909	0.78319	7.51E-01	1.45E+00	4.11E-06	1.90E-03	2.97E-02	5.44E-03	5.60E+00	5.33E+00	2.51E+00
3235	476363.09	3847377.25	0.12005	0.77123	0.04136	0.05384	0.088	0.057	0.7834	0.77123	8.37E-01	1.42E+00	4.31E-06	1.89E-03	2.76E-02	5.32E-03	5.55E+00	5.24E+00	2.60E+00
3236	476863.09	3847377.25	0.11636	0.67086	0.04113	0.05251	0.087	0.058	0.653	0.67086	8.11E-01	1.24E+00	4.28E-06	1.85E-03	2.73E-02	5.43E-03	4.63E+00	4.56E+00	2.15E+00
3237	477363.09	3847377.25	0.11569	0.59678	0.04112	0.05313	0.093	0.062	0.6022	0.59678	8.07E-01	1.10E+00	4.28E-06	1.87E-03	2.92E-02	5.85E-03	4.27E+00	4.06E+00	2.15E+00
3238	477863.09	3847377.25	0.11298	0.51661	0.03766	0.05767	0.093	0.055	0.5212	0.51661	7.88E-01	9.54E-01	3.92E-06	2.03E-03	2.91E-02	5.19E-03	3.69E+00	3.51E+00	1.96E+00
3239	478363.09	3847377.25	0.1272	0.46181	0.04046	0.05744	0.099	0.056	0.4783	0.46181	8.87E-01	8.53E-01	4.21E-06	2.02E-03	3.11E-02	5.23E-03	3.39E+00	3.14E+00	2.03E+00
3240	478863.09	3847377.25	0.13807	0.4392	0.04012	0.05447	0.101	0.062	0.456	0.4392	9.63E-01	8.11E-01	4.18E-06	1.92E-03	3.18E-02	5.82E-03	3.23E+00	2.99E+00	2.06E+00
3241	479363.09	3847377.25	0.13446	0.33428	0.04155	0.05174	0.106	0.068	0.337	0.33428	9.37E-01	6.17E-01	4.33E-06	1.82E-03	3.33E-02	6.35E-03	2.39E+00	2.27E+00	1.71E+00

3242	479863.09	3847377.25	0.14434	0.23942	0.04047	0.05911	0.106	0.07	0.2417	0.23942	1.01E+00	4.42E-01	4.21E-06	2.08E-03	3.31E-02	6.56E-03	1.71E+00	1.63E+00	1.57E+00
3243	480363.09	3847377.25	0.13376	0.15882	0.03721	0.06166	0.107	0.076	0.1602	0.15882	9.33E-01	2.93E-01	3.87E-06	2.17E-03	3.37E-02	7.11E-03	1.14E+00	1.08E+00	1.32E+00
3244	480863.09	3847377.25	0.13452	0.14653	0.04224	0.0669	0.121	0.074	0.1432	0.14653	9.38E-01	2.71E-01	4.40E-06	2.35E-03	3.80E-02	6.99E-03	1.01E+00	9.96E-01	1.27E+00
3245	481363.09	3847377.25	0.1468	0.15729	0.05427	0.07186	0.133	0.078	0.1543	0.15729	1.02E+00	2.91E-01	5.65E-06	2.53E-03	4.18E-02	7.38E-03	1.09E+00	1.07E+00	1.39E+00
3246	481863.09	3847377.25	0.15322	0.18905	0.06543	0.07731	0.146	0.082	0.1917	0.18905	1.07E+00	3.49E-01	6.81E-06	2.72E-03	4.58E-02	7.74E-03	1.36E+00	1.29E+00	1.55E+00
3247	482363.09	3847377.25	0.14205	0.18028	0.055	0.07908	0.145	0.08	0.1846	0.18028	9.90E-01	3.33E-01	5.73E-06	2.78E-03	4.55E-02	7.49E-03	1.31E+00	1.23E+00	1.46E+00
3248	482863.09	3847377.25	0.13845	0.16237	0.05706	0.07625	0.144	0.075	0.1664	0.16237	9.65E-01	3.00E-01	5.94E-06	2.68E-03	4.50E-02	7.05E-03	1.18E+00	1.10E+00	1.40E+00
3249	483363.09	3847377.25	0.13626	0.15006	0.03858	0.07618	0.143	0.07	0.1514	0.15006	9.50E-01	2.77E-01	4.02E-06	2.68E-03	4.49E-02	6.57E-03	1.07E+00	1.02E+00	1.33E+00
3250	483863.09	3847377.25	0.13566	0.1447	0.0431	0.072	0.117	0.072	0.1453	0.1447	9.46E-01	2.67E-01	4.49E-06	2.53E-03	3.66E-02	6.79E-03	1.03E+00	9.84E-01	1.30E+00
3251	484363.09	3847377.25	0.13542	0.14815	0.04704	0.07292	0.109	0.07	0.1496	0.14815	9.44E-01	2.74E-01	4.90E-06	2.57E-03	3.41E-02	6.56E-03	1.06E+00	1.01E+00	1.31E+00
3252	484863.09	3847377.25	0.12579	0.13444	0.04685	0.06812	0.122	0.067	0.1357	0.13444	8.77E-01	2.48E-01	4.88E-06	2.40E-03	3.82E-02	6.32E-03	9.62E-01	9.14E-01	1.22E+00
3253	485363.09	3847377.25	0.12062	0.12809	0.04464	0.06621	0.12	0.068	0.129	0.12809	8.41E-01	2.37E-01	4.65E-06	2.33E-03	3.76E-02	6.43E-03	9.14E-01	8.71E-01	1.17E+00
3254	485863.09	3847377.25	0.12274	0.12681	0.04694	0.06371	0.124	0.06	0.1281	0.12681	8.56E-01	2.34E-01	4.89E-06	2.24E-03	3.87E-02	5.66E-03	9.07E-01	8.62E-01	1.18E+00
3255	486363.09	3847377.25	0.10606	0.12529	0.05267	0.06132	0.117	0.055	0.1267	0.12529	7.39E-01	2.31E-01	5.48E-06	2.16E-03	3.68E-02	5.15E-03	8.98E-01	8.52E-01	1.06E+00
3256	486863.09	3847377.25	0.10716	0.1112	0.05392	0.0599	0.121	0.057	0.113	0.1112	7.47E-01	2.05E-01	5.61E-06	2.11E-03	3.80E-02	5.40E-03	8.00E-01	7.56E-01	1.04E+00
3257	487363.09	3847377.25	0.10415	0.10951	0.05116	0.05869	0.132	0.055	0.1114	0.10951	7.26E-01	2.02E-01	5.33E-06	2.07E-03	4.12E-02	5.13E-03	7.90E-01	7.45E-01	1.02E+00
3258	487863.09	3847377.25	0.10277	0.10279	0.046	0.05659	0.117	0.054	0.1018	0.10279	7.16E-01	1.90E-01	4.79E-06	1.99E-03	3.65E-02	5.11E-03	7.22E-01	6.99E-01	9.73E-01
3259	488363.09	3847377.25	0.10629	0.09555	0.05133	0.0586	0.114	0.053	0.0974	0.09555	7.41E-01	1.76E-01	5.34E-06	2.06E-03	3.58E-02	4.95E-03	6.90E-01	6.50E-01	1.00E+00
3260	488863.09	3847377.25	0.10556	0.09349	0.04647	0.05996	0.109	0.053	0.0967	0.09349	7.36E-01	1.73E-01	4.84E-06	2.11E-03	3.42E-02	5.03E-03	6.85E-01	6.36E-01	9.99E-01
3261	489363.09	3847377.25	0.10526	0.0929	0.05171	0.05418	0.116	0.059	0.0954	0.0929	7.34E-01	1.72E-01	5.38E-06	1.91E-03	3.62E-02	5.52E-03	6.76E-01	6.32E-01	9.93E-01
3262	489863.09	3847377.25	0.10275	0.08806	0.05132	0.05164	0.122	0.065	0.0892	0.08806	7.16E-01	1.63E-01	5.34E-06	1.82E-03	3.82E-02	6.10E-03	6.32E-01	5.99E-01	9.58E-01
3263	490363.09	3847377.25	0.10889	0.08393	0.05624	0.05242	0.133	0.06	0.0855	0.08393	7.59E-01	1.55E-01	5.85E-06	1.84E-03	4.15E-02	5.68E-03	6.05E-01	5.71E-01	9.98E-01
3264	490863.09	3847377.25	0.10743	0.0788	0.05716	0.05156	0.137	0.061	0.0799	0.0788	7.49E-01	1.46E-01	5.95E-06	1.81E-03	4.28E-02	5.77E-03	5.66E-01	5.36E-01	9.75E-01
3265	491363.09	3847377.25	0.10054	0.07592	0.0608	0.05168	0.132	0.063	0.077	0.07592	7.01E-01	1.40E-01	6.33E-06	1.82E-03	4.13E-02	5.91E-03	5.46E-01	5.16E-01	9.20E-01
3266	491863.09	3847377.25	0.10715	0.08079	0.0609	0.05498	0.144	0.066	0.0822	0.08079	7.47E-01	1.49E-01	6.34E-06	1.94E-03	4.51E-02	6.18E-03	5.82E-01	5.49E-01	9.83E-01
3267	492363.09	3847377.25	0.10985	0.07551	0.06712	0.05444	0.128	0.067	0.0762	0.07551	7.66E-01	1.39E-01	6.99E-06	1.92E-03	4.01E-02	6.32E-03	5.40E-01	5.13E-01	9.80E-01
3268	492863.09	3847377.25	0.11599	0.07697	0.06247	0.0626	0.127	0.068	0.0781	0.07697	8.09E-01	1.42E-01	6.50E-06	2.20E-03	3.97E-02	6.37E-03	5.53E-01	5.23E-01	1.03E+00
3269	493363.09	3847377.25	0.11545	0.07732	0.0678	0.06974	0.134	0.067	0.0784	0.07732	8.05E-01	1.43E-01	7.06E-06	2.45E-03	4.19E-02	6.30E-03	5.55E-01	5.26E-01	1.03E+00
3270	493863.09	3847377.25	0.11095	0.07437	0.0646	0.06467	0.13	0.066	0.0749	0.07437	7.74E-01	1.37E-01	6.73E-06	2.28E-03	4.06E-02	6.24E-03	5.31E-01	5.06E-01	9.85E-01
3271	494363.09	3847377.25	0.11057	0.07304	0.06476	0.06661	0.132	0.064	0.0735	0.07304	7.71E-01	1.35E-01	6.74E-06	2.34E-03	4.15E-02	6.04E-03	5.21E-01	4.97E-01	9.80E-01
3272	494863.09	3847377.25	0.11187	0.0723	0.06375	0.06894	0.128	0.061	0.0727	0.0723	7.80E-01	1.34E-01	6.64E-06	2.43E-03	4.01E-02	5.77E-03	5.15E-01	4.92E-01	9.85E-01
3273	495363.09	3847377.25	0.11296	0.07168	0.06571	0.06926	0.133	0.061	0.0723	0.07168	7.88E-01	1.32E-01	6.84E-06	2.44E-03	4.18E-02	5.72E-03	5.12E-01	4.87E-01	9.95E-01
3274	495863.09	3847377.25	0.11467	0.07217	0.06409	0.06323	0.14	0.064	0.0726	0.07217	7.99E-01	1.33E-01	6.67E-06	2.23E-03	4.38E-02	6.02E-03	5.15E-01	4.91E-01	1.01E+00
3275	496363.09	3847377.25	0.11489	0.07197	0.0639	0.0626	0.132	0.07	0.0726	0.07197	8.01E-01	1.33E-01	6.65E-06	2.20E-03	4.15E-02	6.58E-03	5.15E-01	4.89E-01	1.01E+00
3276	496863.09	3847377.25	0.11402	0.07455	0.06784	0.06545	0.155	0.076	0.0752	0.07455	7.95E-01	1.38E-01	7.06E-06	2.30E-03	4.85E-02	7.18E-03	5.32E-01	5.07E-01	1.02E+00
3277	497363.09	3847377.25	0.11903	0.0775	0.07059	0.06865	0.175	0.077	0.0786	0.0775	8.30E-01	1.43E-01	7.35E-06	2.42E-03	5.48E-02	7.21E-03	5.57E-01	5.27E-01	1.07E+00
3278	497863.09	3847377.25	0.12784	0.08007	0.07861	0.06882	0.164	0.082	0.0819	0.08007	8.91E-01	1.48E-01	8.18E-06	2.42E-03	5.15E-02	7.75E-03	5.80E-01	5.44E-01	1.14E+00
3279	498363.09	3847377.25	0.13211	0.079	0.08034	0.06873	0.154	0.087	0.0812	0.079	9.21E-01	1.46E-01	8.36E-06	2.42E-03	4.83E-02	8.14E-03	5.75E-01	5.37E-01	1.16E+00
3280	471363.09	3847877.25	0.12375	0.7379	0.05634	0.05888	0.099	0.069	0.7118	0.7379	8.63E-01	1.36E+00	5.87E-06	2.07E-03	3.11E-02	6.47E-03	5.04E+00	5.02E+00	2.29E+00
3281	471863.09	3847877.25	0.12805	0.86276	0.04888	0.06234	0.104	0.071	0.8744	0.86276	8.93E-01	1.59E+00	5.09E-06	2.19E-03	3.25E-02	6.68E-03	6.20E+00	5.87E+00	2.86E+00
3282	472363.09	3847877.25	0.15067	1.08135	0.04381	0.06605	0.1	0.074	1.0907	1.08135	1.05E+00	2.00E+00	4.56E-06	2.32E-03	3.14E-02	6.99E-03	7.73E+00	7.35E+00	3.46E+00
3283	472863.09	3847877.25	0.15382	1.33351	0.04328	0.07296	0.109	0.078	1.364	1.33351	1.07E+00	2.46E+00	4.51E-06	2.57E-03	3.41E-02	7.35E-03	9.66E+00	9.07E+00	4.18E+00
3284	473363.09	3847877.25	0.1607	2.17887	0.04593	0.07276	0.106	0.08	2.1888	2.17887	1.12E+00	4.02E+00	4.78E-06	2.56E-03	3.32E-02	7.54E-03	1.55E+01	1.48E+01	5.88E+00
3285	473863.09	3847877.25	0.15469	10.34318	0.04793	0.07465	0.111	0.083	10.583	10.34318	1.08E+00	1.91E+01	4.99E-06	2.63E-03	3.49E-02	7.84E-03	7.50E+01	7.03E+01	2.49E+01
3286	474363.09	3847877.25	0.13581	1.42626	0.04778	0.08075	0.106	0.073	1.4447	1.42626	9.47E-01	2.63E+00	4.97E-06	2.84E-03	3.32E-02	6.88E-03	1.02E+01	9.70E+00	4.16E+00
3287	474863.09	3847877.25	0.12136	1.40331	0.04737	0.07436	0.102	0.066	1.4162	1.40331	8.46E-01	2.59E+00	4.93E-06	2.62E-03	3.21E-02	6.23E-03	1.00E+01	9.54E+00	3.97E+00
3288	475363.09	3847877.25	0.1097	1.00005	0.04921	0.07833	0.108	0.061	0.9793	1.00005	7.65E-01	1.85E+00	5.12E-06	2.76E-03	3.37E-02	5.75E-03	6.94E+00	6.80E+00	2.79E+00
3289	475863.09	3847877.25	0.10918	0.77969	0.04654	0.0642	0.099	0.059	0.7734	0.77969	7.61E-01	1.44E+00	4.85E-06	2.26E-03	3.10E-02	5.51E-03	5.48E+00	5.30E+00	2.42E+00
3290	476363.09	3847877.25	0.12436	0.96946	0.04244	0.05768	0.102	0.06	0.9778	0.96946	8.67E-01	1.79E+00	4.42E-06	2.03E-03	3.19E-02	5.65E-03	6.93E+00	6.59E+00	3.03E+00
3291	476863.09	3847877.25	0.12891	0.84162	0.04313	0.05614	0.093	0.059	0.8509	0.84162	8.99E-01	1.55E+00	4.49E-06	1.98E-03	2.91E-02	5.52E-03	6.03E+00	5.72E+00	2.80E+00
3292	477363.09	3847877.25	0.1292	0.72031	0.0436	0.05617	0.092	0.062	0.7287	0.72031	9.01E-01	1.33E+00	4.54E-06	1.98E-03	2.88E-02	5.86E-03	5.16E+00	4.90E+00	2.53E+00
3293	477863.09	3847877.25	0.12462	0.66708	0.04258	0.05703	0.097	0.065	0.673	0.66708	8.69E-01	1.23E+00	4.43E-06	2.01E-03	3.03E-02	6.06E-03	4.77E+00	4.54E+00	2.37E+00
3294	478363.09	3847877.25	0.12723	0.58105	0.04154	0.0601	0.099	0.058	0.5862	0.58105	8.87E-01	1.07E+00	4.32E-06	2.12E-03	3.11E-02	5.46E-03	4.15E+00	3.95E+00	2.20E+00
3295	478863.09	3847877.25	0.13631	0.51529	0.0419	0.06047	0.103	0.059	0.532	0.51529	9.50E-01	9.52E-01	4.36E-06	2.13E-03	3.23E-02	5.52E-03	3.77E+00	3.50E+00	2.21E+00
3296	479363.09	3847877.25	0.14002	0.33596	0.04239	0.05435	0.106	0.067	0.3431	0.33596	9.76E-01	6.20E-01	4.41E-06	1.91E-03	3.32E-02	6.32E-03	2.43E+00	2.28E+00	1.78E+00
3297	479863.09	3847877.25	0.14416	0.18461	0.04396	0.05543	0.112	0.07	0.1863	0.18461	1.01E+00	3.41E-01	4.58E-06	1.95E-03	3.52E-02	6.54E-03	1.32E+00	1.26E+00	1.45E+00
3298	480363.09	3847877.25	0.14333	0.19352	0.04147	0.06352	0.112	0.076	0.1953	0.19352	9.99E-01	3.57E-01	4.32E-06	2.24E-03	3.51E-02	7.17E-03	1.38E+00	1.32E+00	1.47E+00
3299	480863.09	3847877.25	0.14045	0.17045	0.03951	0.06803	0.115	0.078	0.1701	0.17045	9.79E-01	3.15E-01	4.11E-06	2.39E-03	3.61E-02	7.33E-03	1.21E+00	1.16E+00	1.39E+00
3300	481363.09	3847877.25	0.15688	0.16605	0.05066	0.0757	0.133	0.081	0.1654	0.16605	1.09E+00	3.07E-01	5.27E-06	2.66E-03	4.18E-02	7.61E-03	1.17E+00	1.13E+00	1.50E+00

3301	481863.09	3847877.25	0.16106	0.22623	0.07395	0.08285	0.156	0.086	0.2278	0.22623	1.12E+00	4.18E-01	7.70E-06	2.92E-03	4.87E-02	8.12E-03	1.61E+00	1.54E+00	1.68E+00
3302	482363.09	3847877.25	0.1497	0.20392	0.05986	0.08285	0.147	0.086	0.2071	0.20392	1.04E+00	3.77E-01	6.23E-06	2.92E-03	4.61E-02	8.06E-03	1.47E+00	1.39E+00	1.56E+00
3303	482863.09	3847877.25	0.1475	0.18462	0.063	0.07889	0.148	0.081	0.187	0.18462	1.03E+00	3.41E-01	6.56E-06	2.78E-03	4.64E-02	7.61E-03	1.32E+00	1.26E+00	1.50E+00
3304	483363.09	3847877.25	0.14548	0.16934	0.04112	0.07889	0.147	0.077	0.1727	0.16934	1.01E+00	3.13E-01	4.28E-06	2.78E-03	4.61E-02	7.26E-03	1.22E+00	1.15E+00	1.46E+00
3305	483863.09	3847877.25	0.13881	0.16288	0.04388	0.07714	0.14	0.075	0.1676	0.16288	9.68E-01	3.01E-01	4.57E-06	2.72E-03	4.38E-02	7.04E-03	1.19E+00	1.11E+00	1.40E+00
3306	484363.09	3847877.25	0.14416	0.16863	0.04996	0.07771	0.116	0.075	0.1714	0.16863	1.01E+00	3.11E-01	5.20E-06	2.74E-03	3.64E-02	7.07E-03	1.21E+00	1.15E+00	1.43E+00
3307	484863.09	3847877.25	0.14337	0.1595	0.05168	0.07704	0.128	0.074	0.1644	0.1595	1.00E+00	2.95E-01	5.38E-06	2.71E-03	4.01E-02	6.94E-03	1.16E+00	1.08E+00	1.42E+00
3308	485363.09	3847877.25	0.14123	0.16028	0.05169	0.07148	0.129	0.074	0.1617	0.16028	9.85E-01	2.96E-01	5.38E-06	2.52E-03	4.03E-02	7.00E-03	1.15E+00	1.09E+00	1.39E+00
3309	485863.09	3847877.25	0.13352	0.16078	0.05174	0.06885	0.128	0.072	0.1622	0.16078	9.31E-01	2.97E-01	5.39E-06	2.42E-03	4.02E-02	6.79E-03	1.15E+00	1.09E+00	1.33E+00
3310	486363.09	3847877.25	0.11513	0.14234	0.0599	0.06531	0.123	0.062	0.1438	0.14234	8.03E-01	2.63E-01	6.24E-06	2.30E-03	3.84E-02	5.81E-03	1.02E+00	9.68E-01	1.16E+00
3311	486863.09	3847877.25	0.11574	0.13324	0.05676	0.0622	0.126	0.063	0.1363	0.13324	8.07E-01	2.46E-01	5.91E-06	2.19E-03	3.96E-02	5.93E-03	9.66E-01	9.06E-01	1.16E+00
3312	487363.09	3847877.25	0.11067	0.12539	0.05377	0.06106	0.136	0.057	0.1259	0.12539	7.72E-01	2.32E-01	5.60E-06	2.15E-03	4.27E-02	5.36E-03	8.92E-01	8.53E-01	1.09E+00
3313	487863.09	3847877.25	0.10964	0.11347	0.0519	0.06256	0.123	0.059	0.1168	0.11347	7.64E-01	2.10E-01	5.40E-06	2.20E-03	3.85E-02	5.53E-03	8.28E-01	7.72E-01	1.08E+00
3314	488363.09	3847877.25	0.11067	0.10919	0.04962	0.06246	0.122	0.057	0.1122	0.10919	7.72E-01	2.02E-01	5.17E-06	2.20E-03	3.83E-02	5.38E-03	7.95E-01	7.42E-01	1.07E+00
3315	488863.09	3847877.25	0.11577	0.1034	0.05099	0.06784	0.116	0.061	0.1051	0.1034	8.07E-01	1.91E-01	5.31E-06	2.39E-03	3.63E-02	5.76E-03	7.44E-01	7.03E-01	1.08E+00
3316	489363.09	3847877.25	0.10596	0.10238	0.05873	0.06229	0.124	0.069	0.1035	0.10238	7.39E-01	1.89E-01	6.11E-06	2.19E-03	3.88E-02	6.52E-03	7.33E-01	6.96E-01	1.01E+00
3317	489863.09	3847877.25	0.11532	0.1046	0.05989	0.06397	0.132	0.078	0.1049	0.1046	8.04E-01	1.93E-01	6.23E-06	2.25E-03	4.14E-02	7.37E-03	7.43E-01	7.11E-01	1.08E+00
3318	490363.09	3847877.25	0.12083	0.10272	0.06065	0.06387	0.147	0.082	0.1031	0.10272	8.42E-01	1.90E-01	6.31E-06	2.25E-03	4.59E-02	7.73E-03	7.31E-01	6.98E-01	1.12E+00
3319	490863.09	3847877.25	0.11959	0.09682	0.06423	0.05739	0.138	0.078	0.0975	0.09682	8.34E-01	1.79E-01	6.69E-06	2.02E-03	4.31E-02	7.31E-03	6.91E-01	6.58E-01	1.10E+00
3320	491363.09	3847877.25	0.11558	0.09188	0.06824	0.05643	0.15	0.073	0.0927	0.09188	8.06E-01	1.70E-01	7.10E-06	1.99E-03	4.70E-02	6.84E-03	6.57E-01	6.25E-01	1.06E+00
3321	491863.09	3847877.25	0.11961	0.0893	0.06995	0.05745	0.143	0.071	0.09	0.0893	8.34E-01	1.65E-01	7.28E-06	2.02E-03	4.47E-02	6.69E-03	6.38E-01	6.07E-01	1.08E+00
3322	492363.09	3847877.25	0.12244	0.0873	0.06995	0.05845	0.129	0.073	0.0883	0.0873	8.54E-01	1.61E-01	7.28E-06	2.06E-03	4.04E-02	6.83E-03	6.25E-01	5.94E-01	1.10E+00
3323	492863.09	3847877.25	0.12115	0.08506	0.07118	0.0666	0.134	0.073	0.086	0.08506	8.45E-01	1.57E-01	7.41E-06	2.34E-03	4.20E-02	6.90E-03	6.09E-01	5.78E-01	1.08E+00
3324	493363.09	3847877.25	0.1143	0.07685	0.06709	0.07113	0.139	0.067	0.0774	0.07685	7.97E-01	1.42E-01	6.98E-06	2.50E-03	4.35E-02	6.33E-03	5.48E-01	5.23E-01	1.02E+00
3325	493863.09	3847877.25	0.1131	0.073	0.06769	0.0681	0.138	0.067	0.0736	0.073	7.89E-01	1.35E-01	7.05E-06	2.40E-03	4.34E-02	6.26E-03	5.21E-01	4.96E-01	1.00E+00
3326	494363.09	3847877.25	0.11374	0.07033	0.06756	0.06556	0.135	0.066	0.0709	0.07033	7.93E-01	1.30E-01	7.03E-06	2.31E-03	4.22E-02	6.21E-03	5.02E-01	4.78E-01	9.97E-01
3327	494863.09	3847877.25	0.11425	0.07009	0.06817	0.07036	0.138	0.061	0.0706	0.07009	7.97E-01	1.29E-01	7.10E-06	2.48E-03	4.33E-02	5.69E-03	5.00E-01	4.77E-01	1.00E+00
3328	495363.09	3847877.25	0.1128	0.0698	0.06835	0.06722	0.139	0.06	0.0704	0.0698	7.86E-01	1.29E-01	7.12E-06	2.37E-03	4.37E-02	5.68E-03	4.99E-01	4.75E-01	9.91E-01
3329	495863.09	3847877.25	0.10192	0.06084	0.06211	0.05804	0.137	0.056	0.0613	0.06084	7.11E-01	1.12E-01	6.47E-06	2.04E-03	4.29E-02	5.23E-03	4.34E-01	4.14E-01	8.94E-01
3330	496363.09	3847877.25	0.11518	0.06962	0.0682	0.06571	0.158	0.07	0.0707	0.06962	8.03E-01	1.29E-01	7.10E-06	2.31E-03	4.95E-02	6.60E-03	5.01E-01	4.73E-01	1.02E+00
3331	496863.09	3847877.25	0.1187	0.07253	0.07439	0.06882	0.165	0.077	0.074	0.07253	8.28E-01	1.34E-01	7.74E-06	2.42E-03	5.18E-02	7.21E-03	5.24E-01	4.93E-01	1.05E+00
3332	497363.09	3847877.25	0.12406	0.07603	0.08041	0.06965	0.16	0.078	0.0769	0.07603	8.65E-01	1.40E-01	8.37E-06	2.45E-03	5.01E-02	7.37E-03	5.45E-01	5.17E-01	1.09E+00
3333	497863.09	3847877.25	0.13352	0.08208	0.08414	0.0702	0.162	0.087	0.085	0.08208	9.31E-01	1.52E-01	8.76E-06	2.47E-03	5.09E-02	8.22E-03	6.03E-01	5.58E-01	1.19E+00
3334	498363.09	3847877.25	0.1421	0.08383	0.08443	0.06949	0.179	0.091	0.0853	0.08383	9.91E-01	1.55E-01	8.79E-06	2.45E-03	5.62E-02	8.56E-03	6.04E-01	5.70E-01	1.25E+00
3335	471363.09	3848377.25	0.13012	0.58516	0.04547	0.06672	0.105	0.07	0.5905	0.58516	9.07E-01	1.08E+00	4.73E-06	2.35E-03	3.30E-02	6.59E-03	4.18E+00	3.98E+00	2.23E+00
3336	471863.09	3848377.25	0.1326	0.69967	0.05191	0.0633	0.103	0.072	0.6796	0.69967	9.24E-01	1.29E+00	5.40E-06	2.23E-03	3.24E-02	6.73E-03	4.82E+00	4.76E+00	2.32E+00
3337	472363.09	3848377.25	0.14301	0.78167	0.05713	0.06333	0.104	0.072	0.7772	0.78167	9.97E-01	1.44E+00	5.95E-06	2.23E-03	3.27E-02	6.78E-03	5.51E+00	5.32E+00	2.67E+00
3338	472863.09	3848377.25	0.14477	0.96818	0.04942	0.06732	0.109	0.078	0.978	0.96818	1.01E+00	1.79E+00	5.14E-06	2.37E-03	3.41E-02	7.30E-03	6.93E+00	6.58E+00	3.19E+00
3339	473363.09	3848377.25	0.1757	1.16953	0.04604	0.07139	0.111	0.08	1.1786	1.16953	1.22E+00	2.16E+00	4.79E-06	2.51E-03	3.49E-02	7.55E-03	8.35E+00	7.95E+00	3.83E+00
3340	473863.09	3848377.25	0.19591	1.6173	0.04821	0.07611	0.114	0.084	1.6719	1.6173	1.37E+00	2.99E+00	5.02E-06	2.68E-03	3.58E-02	7.90E-03	1.18E+01	1.10E+01	5.25E+00
3341	474363.09	3848377.25	0.26373	3.89424	0.04894	0.07466	0.108	0.087	3.9156	3.89424	1.84E+00	7.19E+00	5.09E-06	2.63E-03	3.37E-02	8.15E-03	2.77E+01	2.65E+01	1.03E+01
3342	474863.09	3848377.25	0.15539	1.91062	0.04992	0.08756	0.117	0.077	1.9244	1.91062	1.08E+00	3.53E+00	5.20E-06	3.08E-03	3.67E-02	7.28E-03	1.36E+01	1.30E+01	5.30E+00
3343	475363.09	3848377.25	0.15081	1.84257	0.0493	0.08266	0.108	0.072	1.8303	1.84257	1.05E+00	3.40E+00	5.13E-06	2.91E-03	3.39E-02	6.79E-03	1.30E+01	1.25E+01	4.94E+00
3344	475863.09	3848377.25	0.12573	1.14522	0.05294	0.08504	0.114	0.067	1.1528	1.14522	8.77E-01	2.12E+00	5.51E-06	2.99E-03	3.58E-02	6.32E-03	8.17E+00	7.79E+00	3.42E+00
3345	476363.09	3848377.25	0.11789	0.86327	0.04925	0.07194	0.105	0.063	0.8604	0.86327	8.22E-01	1.59E+00	5.13E-06	2.53E-03	3.29E-02	5.93E-03	6.10E+00	5.87E+00	2.68E+00
3346	476863.09	3848377.25	0.13958	1.04548	0.04492	0.0616	0.11	0.063	1.0539	1.04548	9.73E-01	1.93E+00	4.68E-06	2.17E-03	3.44E-02	5.91E-03	7.47E+00	7.11E+00	3.30E+00
3347	477363.09	3848377.25	0.14434	0.95481	0.0451	0.05943	0.099	0.063	0.9669	0.95481	1.01E+00	1.76E+00	4.70E-06	2.09E-03	3.10E-02	5.94E-03	6.85E+00	6.49E+00	3.17E+00
3348	477863.09	3848377.25	0.142	0.86556	0.04654	0.05977	0.096	0.07	0.8843	0.86556	9.90E-01	1.60E+00	4.85E-06	2.10E-03	3.02E-02	6.57E-03	6.27E+00	5.89E+00	3.01E+00
3349	478363.09	3848377.25	0.13441	0.76647	0.04371	0.06031	0.1	0.067	0.7729	0.76647	9.37E-01	1.42E+00	4.55E-06	2.12E-03	3.15E-02	6.27E-03	5.48E+00	5.21E+00	2.66E+00
3350	478863.09	3848377.25	0.14522	0.62155	0.04485	0.06468	0.104	0.061	0.6313	0.62155	1.01E+00	1.15E+00	4.67E-06	2.28E-03	3.25E-02	5.74E-03	4.47E+00	4.23E+00	2.45E+00
3351	479363.09	3848377.25	0.1416	0.43062	0.04439	0.06121	0.107	0.063	0.4504	0.43062	9.87E-01	7.95E-01	4.62E-06	2.15E-03	3.36E-02	5.88E-03	3.19E+00	2.93E+00	2.09E+00
3352	479863.09	3848377.25	0.13724	0.1562	0.04527	0.05394	0.108	0.065	0.16	0.1562	9.57E-01	2.88E-01	4.71E-06	1.90E-03	3.37E-02	6.15E-03	1.13E+00	1.06E+00	1.36E+00
3353	480363.09	3848377.25	0.15401	0.20972	0.0475	0.06085	0.116	0.076	0.2115	0.20972	1.07E+00	3.87E-01	4.95E-06	2.14E-03	3.64E-02	7.19E-03	1.50E+00	1.43E+00	1.58E+00
3354	480863.09	3848377.25	0.15365	0.28255	0.04284	0.07068	0.121	0.088	0.2817	0.28255	1.07E+00	5.22E-01	4.46E-06	2.49E-03	3.78E-02	8.30E-03	2.00E+00	1.92E+00	1.72E+00
3355	481363.09	3848377.25	0.16857	0.27811	0.05804	0.07538	0.126	0.094	0.279	0.27811	1.18E+00	5.14E-01	6.04E-06	2.65E-03	3.94E-02	8.84E-03	1.98E+00	1.89E+00	1.83E+00
3356	481863.09	3848377.25	0.16484	0.28049	0.05989	0.08515	0.147	0.093	0.2845	0.28049	1.15E+00	5.18E-01	6.23E-06	3.00E-03	4.60E-02	8.78E-03	2.02E+00	1.91E+00	1.83E+00
3357	482363.09	3848377.25	0.16033	0.27736	0.06679	0.08909	0.173	0.091	0.2805	0.27736	1.12E+00	5.12E-01	6.95E-06	3.14E-03	5.43E-02	8.59E-03	1.99E+00	1.89E+00	1.80E+00
3358	482863.09	3848377.25	0.15502	0.23138	0.07006	0.08603	0.16	0.085	0.2335	0.23138	1.08E+00	4.27E-01	7.29E-06	3.03E-03	5.00E-02	7.96E-03	1.65E+00	1.57E+00	1.65E+00
3359	483363.09	3848377.25	0.15332	0.21833	0.04977	0.08656	0.16	0.089	0.219	0.21833	1.07E+00	4.03E-01	5.18E-06	3.05E-03	5.01E-02	8.33E-03	1.55E+00	1.48E+00	1.60E+00

3360	483863.09	3848377.25	0.14392	0.18931	0.04432	0.08398	0.16	0.083	0.1912	0.18931	1.00E+00	3.50E-01	4.61E-06	2.96E-03	5.01E-02	7.76E-03	1.36E+00	1.29E+00	1.48E+00
3361	484363.09	3848377.25	0.14773	0.18525	0.05696	0.08221	0.123	0.077	0.1901	0.18525	1.03E+00	3.42E-01	5.93E-06	2.89E-03	3.85E-02	7.19E-03	1.35E+00	1.26E+00	1.51E+00
3362	484863.09	3848377.25	0.14608	0.19337	0.05658	0.08706	0.125	0.084	0.1933	0.19337	1.02E+00	3.57E-01	5.89E-06	3.06E-03	3.91E-02	7.90E-03	1.37E+00	1.31E+00	1.48E+00
3363	485363.09	3848377.25	0.14775	0.18856	0.05827	0.07763	0.14	0.08	0.1908	0.18856	1.03E+00	3.48E-01	6.07E-06	2.73E-03	4.38E-02	7.48E-03	1.35E+00	1.28E+00	1.50E+00
3364	485863.09	3848377.25	0.14586	0.18507	0.05715	0.07591	0.133	0.086	0.1882	0.18507	1.02E+00	3.42E-01	5.95E-06	2.67E-03	4.18E-02	8.05E-03	1.33E+00	1.26E+00	1.49E+00
3365	486363.09	3848377.25	0.14494	0.17178	0.06308	0.0745	0.135	0.075	0.1724	0.17178	1.01E+00	3.17E-01	6.57E-06	2.62E-03	4.25E-02	7.09E-03	1.22E+00	1.17E+00	1.43E+00
3366	486863.09	3848377.25	0.12659	0.15454	0.06408	0.06873	0.134	0.067	0.1562	0.15454	8.83E-01	2.85E-01	6.67E-06	2.42E-03	4.20E-02	6.26E-03	1.11E+00	1.05E+00	1.27E+00
3367	487363.09	3848377.25	0.11692	0.13686	0.05821	0.06347	0.144	0.068	0.1395	0.13686	8.15E-01	2.53E-01	6.06E-06	2.23E-03	4.51E-02	6.42E-03	9.88E-01	9.31E-01	1.18E+00
3368	487863.09	3848377.25	0.11472	0.13217	0.0546	0.07264	0.131	0.063	0.1337	0.13217	8.00E-01	2.44E-01	5.68E-06	2.56E-03	4.11E-02	5.96E-03	9.47E-01	8.99E-01	1.14E+00
3369	488363.09	3848377.25	0.1215	0.12204	0.0521	0.07543	0.131	0.066	0.1289	0.12204	8.47E-01	2.25E-01	5.42E-06	2.65E-03	4.09E-02	6.21E-03	9.13E-01	8.30E-01	1.21E+00
3370	488863.09	3848377.25	0.11946	0.1164	0.06194	0.07877	0.123	0.075	0.1245	0.1164	8.33E-01	2.15E-01	6.45E-06	2.77E-03	3.85E-02	7.04E-03	8.82E-01	7.92E-01	1.19E+00
3371	489363.09	3848377.25	0.1217	0.11415	0.079	0.07756	0.132	0.082	0.1165	0.11415	8.48E-01	2.11E-01	8.22E-06	2.73E-03	4.13E-02	7.68E-03	8.26E-01	7.76E-01	1.16E+00
3372	489863.09	3848377.25	0.13511	0.12053	0.06412	0.07287	0.146	0.085	0.1223	0.12053	9.42E-01	2.23E-01	6.68E-06	2.56E-03	4.57E-02	7.96E-03	8.67E-01	8.20E-01	1.27E+00
3373	490363.09	3848377.25	0.13863	0.11276	0.05845	0.07073	0.15	0.085	0.1131	0.11276	9.66E-01	2.08E-01	6.09E-06	2.49E-03	4.70E-02	8.03E-03	8.01E-01	7.67E-01	1.27E+00
3374	490863.09	3848377.25	0.12441	0.10484	0.06898	0.06548	0.148	0.077	0.1081	0.10484	8.67E-01	1.94E-01	7.18E-06	2.30E-03	4.63E-02	7.23E-03	7.66E-01	7.13E-01	1.17E+00
3375	491363.09	3848377.25	0.12734	0.09825	0.07133	0.06131	0.16	0.078	0.099	0.09825	8.88E-01	1.81E-01	7.43E-06	2.16E-03	5.00E-02	7.29E-03	7.01E-01	6.68E-01	1.16E+00
3376	491863.09	3848377.25	0.12794	0.09724	0.07996	0.06006	0.141	0.078	0.098	0.09724	8.92E-01	1.80E-01	8.32E-06	2.11E-03	4.41E-02	7.34E-03	6.94E-01	6.61E-01	1.16E+00
3377	492363.09	3848377.25	0.12377	0.09051	0.0761	0.06341	0.14	0.077	0.0916	0.09051	8.63E-01	1.67E-01	7.92E-06	2.23E-03	4.39E-02	7.25E-03	6.49E-01	6.15E-01	1.12E+00
3378	492863.09	3848377.25	0.11832	0.08356	0.07094	0.07089	0.145	0.069	0.0842	0.08356	8.25E-01	1.54E-01	7.39E-06	2.50E-03	4.55E-02	6.51E-03	5.96E-01	5.68E-01	1.06E+00
3379	493363.09	3848377.25	0.11895	0.07589	0.07309	0.07152	0.144	0.065	0.0767	0.07589	8.29E-01	1.40E-01	7.61E-06	2.52E-03	4.50E-02	6.08E-03	5.44E-01	5.16E-01	1.05E+00
3380	493863.09	3848377.25	0.11884	0.07241	0.07139	0.06649	0.141	0.064	0.073	0.07241	8.29E-01	1.34E-01	7.43E-06	2.34E-03	4.42E-02	6.03E-03	5.17E-01	4.92E-01	1.04E+00
3381	494363.09	3848377.25	0.11413	0.07067	0.07234	0.06679	0.14	0.063	0.0713	0.07067	7.96E-01	1.31E-01	7.53E-06	2.35E-03	4.39E-02	5.94E-03	5.05E-01	4.81E-01	1.00E+00
3382	494863.09	3848377.25	0.1158	0.07087	0.07003	0.07016	0.146	0.06	0.0714	0.07087	8.07E-01	1.31E-01	7.29E-06	2.47E-03	4.59E-02	5.68E-03	5.06E-01	4.82E-01	1.02E+00
3383	495363.09	3848377.25	0.1087	0.06332	0.06735	0.06191	0.145	0.059	0.0638	0.06332	7.58E-01	1.17E-01	7.01E-06	2.18E-03	4.56E-02	5.53E-03	4.52E-01	4.31E-01	9.49E-01
3384	495863.09	3848377.25	0.107	0.06204	0.06678	0.06252	0.155	0.059	0.0625	0.06204	7.46E-01	1.15E-01	6.95E-06	2.20E-03	4.85E-02	5.50E-03	4.43E-01	4.22E-01	9.38E-01
3385	496363.09	3848377.25	0.11292	0.0674	0.07545	0.06156	0.167	0.065	0.0681	0.0674	7.87E-01	1.24E-01	7.85E-06	2.17E-03	5.22E-02	6.07E-03	4.82E-01	4.58E-01	9.96E-01
3386	496863.09	3848377.25	0.11166	0.06291	0.07423	0.06237	0.161	0.066	0.0634	0.06291	7.78E-01	1.16E-01	7.73E-06	2.20E-03	5.04E-02	6.19E-03	4.49E-01	4.28E-01	9.75E-01
3387	497363.09	3848377.25	0.12771	0.07024	0.08443	0.06747	0.163	0.07	0.0711	0.07024	8.90E-01	1.30E-01	8.79E-06	2.37E-03	5.12E-02	6.59E-03	5.04E-01	4.78E-01	1.11E+00
3388	497863.09	3848377.25	0.14454	0.08455	0.08618	0.07183	0.194	0.094	0.0873	0.08455	1.01E+00	1.56E-01	8.97E-06	2.53E-03	6.07E-02	8.87E-03	6.19E-01	5.75E-01	1.28E+00
3389	498363.09	3848377.25	0.14758	0.08471	0.08797	0.07498	0.193	0.098	0.0864	0.08471	1.03E+00	1.56E-01	9.16E-06	2.64E-03	6.03E-02	9.24E-03	6.12E-01	5.76E-01	1.29E+00
3390	471363.09	3848877.25	0.13596	0.53592	0.04793	0.06919	0.103	0.075	0.5292	0.53592	9.48E-01	9.90E-01	4.99E-06	2.44E-03	3.21E-02	7.02E-03	3.75E+00	3.64E+00	2.08E+00
3391	471863.09	3848877.25	0.13237	0.56686	0.0502	0.07135	0.108	0.074	0.5713	0.56686	9.23E-01	1.05E+00	5.23E-06	2.51E-03	3.39E-02	6.92E-03	4.05E+00	3.85E+00	2.21E+00
3392	472363.09	3848877.25	0.13482	0.63784	0.04819	0.07337	0.112	0.075	0.6432	0.63784	9.40E-01	1.18E+00	5.02E-06	2.58E-03	3.52E-02	7.03E-03	4.56E+00	4.34E+00	2.38E+00
3393	472863.09	3848877.25	0.14012	0.73375	0.06121	0.0674	0.11	0.075	0.7403	0.73375	9.77E-01	1.36E+00	6.37E-06	2.37E-03	3.45E-02	7.04E-03	5.25E+00	4.99E+00	2.63E+00
3394	473363.09	3848877.25	0.14867	0.86665	0.05816	0.06915	0.11	0.078	0.8845	0.86665	1.04E+00	1.60E+00	6.05E-06	2.43E-03	3.46E-02	7.37E-03	6.27E+00	5.89E+00	3.06E+00
3395	473863.09	3848877.25	0.1645	1.06033	0.04947	0.07347	0.113	0.082	1.0682	1.06033	1.15E+00	1.96E+00	5.15E-06	2.59E-03	3.56E-02	7.70E-03	7.57E+00	7.21E+00	3.51E+00
3396	474363.09	3848877.25	0.20087	1.35597	0.04873	0.07941	0.119	0.086	1.3933	1.35597	1.40E+00	2.50E+00	5.07E-06	2.79E-03	3.72E-02	8.09E-03	9.87E+00	9.22E+00	4.60E+00
3397	474863.09	3848877.25	0.32181	3.02059	0.05115	0.07955	0.119	0.09	3.0438	3.02059	2.24E+00	5.58E+00	5.33E-06	2.80E-03	3.73E-02	8.48E-03	2.16E+01	2.05E+01	8.90E+00
3398	475363.09	3848877.25	0.32395	3.74884	0.05539	0.08614	0.123	0.091	3.7774	3.74884	2.26E+00	6.92E+00	5.77E-06	3.03E-03	3.85E-02	8.53E-03	2.68E+01	2.55E+01	1.05E+01
3399	475863.09	3848877.25	0.21356	2.40764	0.05446	0.09111	0.117	0.079	2.4246	2.40764	1.49E+00	4.45E+00	5.67E-06	3.21E-03	3.67E-02	7.42E-03	1.72E+01	1.64E+01	6.79E+00
3400	476363.09	3848877.25	0.16314	1.82814	0.05616	0.09108	0.123	0.074	1.8332	1.82814	1.14E+00	3.38E+00	5.85E-06	3.21E-03	3.86E-02	6.99E-03	1.30E+01	1.24E+01	5.12E+00
3401	476863.09	3848877.25	0.14606	1.44548	0.05218	0.08176	0.116	0.068	1.4521	1.44548	1.02E+00	2.67E+00	5.43E-06	2.88E-03	3.63E-02	6.39E-03	1.03E+01	9.83E+00	4.19E+00
3402	477363.09	3848877.25	0.15576	1.60744	0.04777	0.07	0.119	0.066	1.6441	1.60744	1.09E+00	2.97E+00	4.97E-06	2.46E-03	3.72E-02	6.21E-03	1.16E+01	1.09E+01	4.82E+00
3403	477863.09	3848877.25	0.15699	1.3763	0.04758	0.06235	0.106	0.072	1.3344	1.3763	1.09E+00	2.54E+00	4.95E-06	2.19E-03	3.32E-02	6.78E-03	9.45E+00	9.36E+00	3.77E+00
3404	478363.09	3848877.25	0.15774	1.07851	0.05005	0.06344	0.101	0.076	1.0905	1.07851	1.10E+00	1.99E+00	5.21E-06	2.23E-03	3.16E-02	7.16E-03	7.73E+00	7.33E+00	3.53E+00
3405	478863.09	3848877.25	0.16123	0.85367	0.04538	0.06399	0.104	0.069	0.8611	0.85367	1.12E+00	1.58E+00	4.72E-06	2.25E-03	3.27E-02	6.48E-03	6.10E+00	5.80E+00	3.04E+00
3406	479363.09	3848877.25	0.14934	0.63792	0.04711	0.07105	0.108	0.065	0.678	0.63792	1.04E+00	1.18E+00	4.90E-06	2.50E-03	3.40E-02	6.13E-03	4.80E+00	4.34E+00	2.73E+00
3407	479863.09	3848877.25	0.15579	0.48696	0.04692	0.06375	0.112	0.072	0.5166	0.48696	1.09E+00	8.99E-01	4.88E-06	2.24E-03	3.51E-02	6.77E-03	3.66E+00	3.31E+00	2.38E+00
3408	480363.09	3848877.25	0.16424	0.47323	0.04991	0.06039	0.116	0.076	0.4931	0.47323	1.15E+00	8.74E-01	5.20E-06	2.13E-03	3.62E-02	7.13E-03	3.49E+00	3.22E+00	2.34E+00
3409	480863.09	3848877.25	0.17745	0.43902	0.04933	0.06722	0.119	0.097	0.4449	0.43902	1.24E+00	8.11E-01	5.14E-06	2.37E-03	3.72E-02	9.09E-03	3.15E+00	2.99E+00	2.26E+00
3410	481363.09	3848877.25	0.17657	0.39389	0.05654	0.07636	0.131	0.107	0.3936	0.39389	1.23E+00	7.27E-01	5.89E-06	2.69E-03	4.09E-02	1.00E-02	2.79E+00	2.68E+00	2.12E+00
3411	481863.09	3848877.25	0.1747	0.33173	0.07228	0.08572	0.137	0.097	0.3393	0.33173	1.22E+00	6.13E-01	7.52E-06	3.02E-03	4.29E-02	9.11E-03	2.40E+00	2.26E+00	2.03E+00
3412	482363.09	3848877.25	0.17186	0.26013	0.06356	0.09336	0.16	0.095	0.2646	0.26013	1.20E+00	4.80E-01	6.62E-06	3.29E-03	5.01E-02	8.92E-03	1.87E+00	1.77E+00	1.85E+00
3413	482863.09	3848877.25	0.1629	0.22358	0.07094	0.09046	0.164	0.088	0.223	0.22358	1.14E+00	4.13E-01	7.39E-06	3.18E-03	5.13E-02	8.23E-03	1.58E+00	1.52E+00	1.67E+00
3414	483363.09	3848877.25	0.15342	0.18551	0.05251	0.08208	0.158	0.08	0.1881	0.18551	1.07E+00	3.43E-01	5.47E-06	2.89E-03	4.94E-02	7.48E-03	1.33E+00	1.26E+00	1.54E+00
3415	483863.09	3848877.25	0.1471	0.17522	0.04609	0.08166	0.161	0.08	0.1782	0.17522	1.03E+00	3.24E-01	4.80E-06	2.87E-03	5.03E-02	7.55E-03	1.26E+00	1.19E+00	1.48E+00
3416	484363.09	3848877.25	0.15	0.20574	0.06028	0.08865	0.146	0.079	0.2088	0.20574	1.05E+00	3.80E-01	6.28E-06	3.12E-03	4.58E-02	7.39E-03	1.48E+00	1.40E+00	1.56E+00
3417	484863.09	3848877.25	0.15676	0.23169	0.06289	0.0993	0.127	0.091	0.2339	0.23169	1.09E+00	4.28E-01	6.55E-06	3.49E-03	3.98E-02	8.52E-03	1.66E+00	1.58E+00	1.65E+00
3418	485363.09	3848877.25	0.17034	0.22498	0.05523	0.09702	0.157	0.094	0.2293	0.22498	1.19E+00	4.16E-01	5.75E-06	3.41E-03	4.93E-02	8.88E-03	1.62E+00	1.53E+00	1.76E+00

3419	485863.09	3848877.25	0.17061	0.21615	0.06266	0.08917	0.138	0.102	0.2183	0.21615	1.19E+00	3.99E-01	6.52E-06	3.14E-03	4.33E-02	9.60E-03	1.55E+00	1.47E+00	1.72E+00
3420	486363.09	3848877.25	0.1605	0.19095	0.0703	0.08284	0.164	0.085	0.1915	0.19095	1.12E+00	3.53E-01	7.32E-06	2.92E-03	5.13E-02	7.96E-03	1.36E+00	1.30E+00	1.59E+00
3421	486863.09	3848877.25	0.13387	0.16486	0.06468	0.07116	0.149	0.075	0.1692	0.16486	9.33E-01	3.04E-01	6.73E-06	2.50E-03	4.66E-02	7.09E-03	1.20E+00	1.12E+00	1.37E+00
3422	487363.09	3848877.25	0.13312	0.16003	0.06424	0.07326	0.153	0.074	0.1685	0.16003	9.28E-01	2.96E-01	6.69E-06	2.58E-03	4.80E-02	6.99E-03	1.19E+00	1.09E+00	1.39E+00
3423	487863.09	3848877.25	0.12801	0.15044	0.05796	0.08747	0.14	0.075	0.1554	0.15044	8.92E-01	2.78E-01	6.03E-06	3.08E-03	4.37E-02	7.05E-03	1.10E+00	1.02E+00	1.30E+00
3424	488363.09	3848877.25	0.13254	0.14621	0.06411	0.08714	0.139	0.08	0.1503	0.14621	9.24E-01	2.70E-01	6.67E-06	3.07E-03	4.36E-02	7.48E-03	1.07E+00	9.94E-01	1.32E+00
3425	488863.09	3848877.25	0.13575	0.13898	0.07691	0.0924	0.133	0.086	0.1418	0.13898	9.46E-01	2.57E-01	8.01E-06	3.25E-03	4.17E-02	8.04E-03	1.00E+00	9.45E-01	1.32E+00
3426	489363.09	3848877.25	0.1461	0.13545	0.0822	0.08937	0.136	0.093	0.14	0.13545	1.02E+00	2.50E-01	8.56E-06	3.15E-03	4.25E-02	8.74E-03	9.92E-01	9.21E-01	1.39E+00
3427	489863.09	3848877.25	0.14845	0.13419	0.06401	0.08585	0.156	0.089	0.1377	0.13419	1.03E+00	2.48E-01	6.66E-06	3.02E-03	4.88E-02	8.37E-03	9.76E-01	9.12E-01	1.41E+00
3428	490363.09	3848877.25	0.14608	0.12243	0.06368	0.07994	0.161	0.087	0.1233	0.12243	1.02E+00	2.26E-01	6.63E-06	2.81E-03	5.04E-02	8.15E-03	8.73E-01	8.33E-01	1.35E+00
3429	490863.09	3848877.25	0.13203	0.10908	0.0742	0.06821	0.162	0.079	0.1125	0.10908	9.20E-01	2.01E-01	7.72E-06	2.40E-03	5.09E-02	7.43E-03	7.97E-01	7.42E-01	1.24E+00
3430	491363.09	3848877.25	0.13253	0.10228	0.08852	0.06343	0.165	0.079	0.1031	0.10228	9.24E-01	1.89E-01	9.22E-06	2.23E-03	5.17E-02	7.45E-03	7.31E-01	6.95E-01	1.21E+00
3431	491863.09	3848877.25	0.12916	0.09622	0.08533	0.06429	0.141	0.081	0.097	0.09622	9.00E-01	1.78E-01	8.88E-06	2.26E-03	4.43E-02	7.60E-03	6.87E-01	6.54E-01	1.17E+00
3432	492363.09	3848877.25	0.12536	0.09068	0.07707	0.06773	0.153	0.074	0.0916	0.09068	8.74E-01	1.67E-01	8.02E-06	2.38E-03	4.78E-02	6.98E-03	6.49E-01	6.17E-01	1.13E+00
3433	492863.09	3848877.25	0.12604	0.07803	0.07675	0.0726	0.155	0.068	0.0792	0.07803	8.79E-01	1.44E-01	7.99E-06	2.56E-03	4.85E-02	6.35E-03	5.61E-01	5.31E-01	1.11E+00
3434	493363.09	3848877.25	0.11233	0.06749	0.07302	0.06054	0.147	0.063	0.068	0.06749	7.83E-01	1.25E-01	7.60E-06	2.13E-03	4.62E-02	5.94E-03	4.82E-01	4.59E-01	9.85E-01
3435	493863.09	3848877.25	0.11194	0.06711	0.07604	0.06397	0.146	0.062	0.0677	0.06711	7.80E-01	1.24E-01	7.92E-06	2.25E-03	4.56E-02	5.86E-03	4.79E-01	4.56E-01	9.81E-01
3436	494363.09	3848877.25	0.1105	0.06578	0.07565	0.06675	0.156	0.061	0.0663	0.06578	7.70E-01	1.21E-01	7.88E-06	2.35E-03	4.87E-02	5.78E-03	4.70E-01	4.47E-01	9.71E-01
3437	494863.09	3848877.25	0.11087	0.0658	0.07862	0.06874	0.155	0.061	0.0663	0.0658	7.73E-01	1.22E-01	8.18E-06	2.42E-03	4.86E-02	5.73E-03	4.69E-01	4.47E-01	9.73E-01
3438	495363.09	3848877.25	0.1157	0.06641	0.07459	0.06432	0.165	0.06	0.0668	0.06641	8.07E-01	1.23E-01	7.77E-06	2.26E-03	5.18E-02	5.66E-03	4.73E-01	4.52E-01	1.01E+00
3439	495863.09	3848877.25	0.11261	0.05999	0.07304	0.06193	0.174	0.061	0.0604	0.05999	7.85E-01	1.11E-01	7.60E-06	2.18E-03	5.44E-02	5.77E-03	4.28E-01	4.08E-01	9.78E-01
3440	496363.09	3848877.25	0.11197	0.0601	0.0763	0.06222	0.166	0.066	0.0608	0.0601	7.81E-01	1.11E-01	7.94E-06	2.19E-03	5.21E-02	6.17E-03	4.31E-01	4.09E-01	9.74E-01
3441	496863.09	3848877.25	0.12292	0.06782	0.0838	0.06839	0.177	0.073	0.0698	0.06782	8.57E-01	1.25E-01	8.72E-06	2.41E-03	5.55E-02	6.87E-03	4.94E-01	4.61E-01	1.08E+00
3442	497363.09	3848877.25	0.13857	0.08142	0.09593	0.07462	0.205	0.089	0.0822	0.08142	9.66E-01	1.50E-01	9.99E-06	2.63E-03	6.42E-02	8.40E-03	5.82E-01	5.54E-01	1.22E+00
3443	497863.09	3848877.25	0.14541	0.08532	0.1028	0.0767	0.207	0.1	0.0866	0.08532	1.01E+00	1.58E-01	1.07E-05	2.70E-03	6.48E-02	9.36E-03	6.14E-01	5.80E-01	1.28E+00
3444	498363.09	3848877.25	0.15507	0.0862	0.09859	0.08484	0.21	0.102	0.0876	0.0862	1.08E+00	1.59E-01	1.03E-05	2.99E-03	6.56E-02	9.62E-03	6.21E-01	5.86E-01	1.35E+00
3445	471363.09	3849377.25	0.15348	0.47784	0.04914	0.07172	0.108	0.082	0.4651	0.47784	1.07E+00	8.83E-01	5.12E-06	2.52E-03	3.39E-02	7.68E-03	3.30E+00	3.25E+00	2.04E+00
3446	471863.09	3849377.25	0.15643	0.52144	0.05055	0.07528	0.112	0.087	0.4889	0.52144	1.09E+00	9.63E-01	5.26E-06	2.65E-03	3.52E-02	8.21E-03	3.46E+00	3.55E+00	2.02E+00
3447	472363.09	3849377.25	0.15239	0.54018	0.05142	0.0778	0.108	0.083	0.5518	0.54018	1.06E+00	9.98E-01	5.35E-06	2.74E-03	3.38E-02	7.78E-03	3.91E+00	3.67E+00	2.34E+00
3448	472863.09	3849377.25	0.14817	0.62675	0.05224	0.0769	0.115	0.079	0.6323	0.62675	1.03E+00	1.16E+00	5.44E-06	2.71E-03	3.62E-02	7.42E-03	4.48E+00	4.26E+00	2.45E+00
3449	473363.09	3849377.25	0.1622	0.75109	0.05531	0.07847	0.118	0.082	0.7503	0.75109	1.13E+00	1.39E+00	5.76E-06	2.76E-03	3.71E-02	7.72E-03	5.32E+00	5.11E+00	2.77E+00
3450	473863.09	3849377.25	0.18893	0.92487	0.06661	0.07187	0.116	0.08	0.8488	0.92487	1.32E+00	1.71E+00	6.93E-06	2.53E-03	3.65E-02	7.55E-03	6.01E+00	6.29E+00	2.80E+00
3451	474363.09	3849377.25	0.22312	1.11204	0.05802	0.07547	0.12	0.088	1.0997	1.11204	1.56E+00	2.05E+00	6.04E-06	2.66E-03	3.76E-02	8.30E-03	7.79E+00	7.56E+00	3.89E+00
3452	474863.09	3849377.25	0.24033	1.38987	0.052	0.08105	0.125	0.089	1.398	1.38987	1.68E+00	2.57E+00	5.41E-06	2.85E-03	3.90E-02	8.36E-03	9.91E+00	9.45E+00	4.75E+00
3453	475363.09	3849377.25	0.28051	2.14078	0.05501	0.08617	0.127	0.095	2.1571	2.14078	1.96E+00	3.95E+00	5.73E-06	3.03E-03	3.97E-02	8.91E-03	1.53E+01	1.46E+01	6.69E+00
3454	475863.09	3849377.25	0.50706	2.99808	0.05704	0.08663	0.124	0.102	3.0271	2.99808	3.54E+00	5.54E+00	5.94E-06	3.05E-03	3.87E-02	9.63E-03	2.14E+01	2.04E+01	1.02E+01
3455	476363.09	3849377.25	0.76831	4.44292	0.05996	0.09862	0.135	0.089	4.4648	4.44292	5.36E+00	8.21E+00	6.24E-06	3.47E-03	4.24E-02	8.38E-03	3.16E+01	3.02E+01	1.50E+01
3456	476863.09	3849377.25	0.38412	6.81133	0.05982	0.09491	0.122	0.084	6.8868	6.81133	2.68E+00	1.26E+01	6.23E-06	3.34E-03	3.82E-02	7.86E-03	4.88E+01	4.63E+01	1.78E+01
3457	477363.09	3849377.25	0.22595	2.93956	0.05735	0.09277	0.133	0.074	3.0208	2.93956	1.58E+00	5.43E+00	5.97E-06	3.27E-03	4.16E-02	6.92E-03	2.14E+01	2.00E+01	8.47E+00
3458	477863.09	3849377.25	0.18593	1.8978	0.05089	0.07657	0.125	0.07	1.9435	1.8978	1.30E+00	3.51E+00	5.30E-06	2.69E-03	3.93E-02	6.59E-03	1.38E+01	1.29E+01	5.72E+00
3459	478363.09	3849377.25	0.19014	1.55178	0.05021	0.06711	0.116	0.081	1.5594	1.55178	1.33E+00	2.87E+00	5.23E-06	2.36E-03	3.64E-02	7.65E-03	1.10E+01	1.06E+01	4.74E+00
3460	478863.09	3849377.25	0.22208	1.06169	0.05255	0.06642	0.108	0.079	1.071	1.06169	1.55E+00	1.96E+00	5.47E-06	2.34E-03	3.38E-02	7.43E-03	7.59E+00	7.22E+00	3.92E+00
3461	479363.09	3849377.25	0.22485	0.84272	0.04919	0.06982	0.109	0.071	0.8482	0.84272	1.57E+00	1.56E+00	5.12E-06	2.46E-03	3.43E-02	6.69E-03	6.01E+00	5.73E+00	3.45E+00
3462	479863.09	3849377.25	0.16654	0.63003	0.0504	0.07648	0.114	0.069	0.6489	0.63003	1.16E+00	1.16E+00	5.25E-06	2.69E-03	3.56E-02	6.53E-03	4.60E+00	4.28E+00	2.68E+00
3463	480363.09	3849377.25	0.20457	0.66076	0.05033	0.06861	0.117	0.081	0.6622	0.66076	1.43E+00	1.22E+00	5.24E-06	2.41E-03	3.68E-02	7.66E-03	4.69E+00	4.49E+00	2.89E+00
3464	480863.09	3849377.25	0.21622	0.5239	0.05586	0.06902	0.122	0.096	0.5352	0.5239	1.51E+00	9.68E-01	5.82E-06	2.43E-03	3.81E-02	8.99E-03	3.79E+00	3.56E+00	2.75E+00
3465	481363.09	3849377.25	0.20085	0.47597	0.05734	0.07413	0.125	0.108	0.4531	0.47597	1.40E+00	8.79E-01	5.97E-06	2.61E-03	3.91E-02	1.01E-02	3.21E+00	3.24E+00	2.31E+00
3466	481863.09	3849377.25	0.17942	0.34174	0.07684	0.08563	0.136	0.107	0.338	0.34174	1.25E+00	6.31E-01	8.00E-06	3.01E-03	4.26E-02	1.01E-02	2.39E+00	2.32E+00	2.01E+00
3467	482363.09	3849377.25	0.17858	0.27092	0.0704	0.09742	0.155	0.099	0.2728	0.27092	1.25E+00	5.00E-01	7.33E-06	3.43E-03	4.87E-02	9.31E-03	1.93E+00	1.84E+00	1.90E+00
3468	482863.09	3849377.25	0.17423	0.22014	0.06721	0.09025	0.186	0.092	0.2236	0.22014	1.21E+00	4.07E-01	7.00E-06	3.18E-03	5.82E-02	8.62E-03	1.58E+00	1.50E+00	1.78E+00
3469	483363.09	3849377.25	0.15889	0.18665	0.06079	0.0857	0.173	0.086	0.1887	0.18665	1.11E+00	3.45E-01	6.33E-06	3.02E-03	5.42E-02	8.11E-03	1.34E+00	1.27E+00	1.59E+00
3470	483863.09	3849377.25	0.13884	0.1521	0.05121	0.07815	0.172	0.084	0.1555	0.1521	9.68E-01	2.81E-01	5.33E-06	2.75E-03	5.39E-02	7.89E-03	1.10E+00	1.03E+00	1.38E+00
3471	484363.09	3849377.25	0.16172	0.2333	0.05893	0.09261	0.175	0.088	0.2396	0.2333	1.13E+00	4.31E-01	6.13E-06	3.26E-03	5.48E-02	8.28E-03	1.70E+00	1.59E+00	1.74E+00
3472	484863.09	3849377.25	0.17456	0.26778	0.06573	0.10011	0.141	0.098	0.2784	0.26778	1.22E+00	4.95E-01	6.84E-06	3.52E-03	4.41E-02	9.23E-03	1.97E+00	1.82E+00	1.92E+00
3473	485363.09	3849377.25	0.19458	0.25535	0.07395	0.10811	0.158	0.109	0.2617	0.25535	1.36E+00	4.72E-01	7.70E-06	3.81E-03	4.96E-02	1.03E-02	1.85E+00	1.74E+00	2.01E+00
3474	485863.09	3849377.25	0.17842	0.20291	0.06609	0.09351	0.16	0.098	0.2029	0.20291	1.24E+00	3.75E-01	6.88E-06	3.29E-03	5.03E-02	9.24E-03	1.44E+00	1.38E+00	1.74E+00
3475	486363.09	3849377.25	0.1502	0.15091	0.0693	0.07657	0.165	0.089	0.1562	0.15091	1.05E+00	2.79E-01	7.21E-06	2.69E-03	5.16E-02	8.33E-03	1.11E+00	1.03E+00	1.47E+00
3476	486863.09	3849377.25	0.13835	0.1849	0.0728	0.08087	0.156	0.088	0.1863	0.1849	9.65E-01	3.41E-01	7.58E-06	2.85E-03	4.88E-02	8.26E-03	1.32E+00	1.26E+00	1.43E+00
3477	487363.09	3849377.25	0.14759	0.18457	0.06665	0.09872	0.161	0.088	0.1875	0.18457	1.03E+00	3.41E-01	6.94E-06	3.47E-03	5.05E-02	8.30E-03	1.33E+00	1.26E+00	1.51E+00

3478	487863.09	3849377.25	0.15201	0.17745	0.07198	0.09983	0.147	0.094	0.1795	0.17745	1.06E+00	3.28E-01	7.49E-06	3.51E-03	4.59E-02	8.80E-03	1.27E+00	1.21E+00	1.51E+00
3479	488363.09	3849377.25	0.15642	0.16583	0.08578	0.10302	0.146	0.092	0.1696	0.16583	1.09E+00	3.06E-01	8.93E-06	3.63E-03	4.58E-02	8.63E-03	1.20E+00	1.13E+00	1.53E+00
3480	488863.09	3849377.25	0.16747	0.15978	0.08818	0.10396	0.147	0.094	0.1642	0.15978	1.17E+00	2.95E-01	9.18E-06	3.66E-03	4.59E-02	8.83E-03	1.16E+00	1.09E+00	1.60E+00
3481	489363.09	3849377.25	0.16769	0.15342	0.07712	0.09772	0.148	0.097	0.1585	0.15342	1.17E+00	2.83E-01	8.03E-06	3.44E-03	4.65E-02	9.15E-03	1.12E+00	1.04E+00	1.59E+00
3482	489863.09	3849377.25	0.16704	0.1433	0.0701	0.09367	0.169	0.095	0.1467	0.1433	1.16E+00	2.65E-01	7.30E-06	3.30E-03	5.29E-02	8.93E-03	1.04E+00	9.74E-01	1.56E+00
3483	490363.09	3849377.25	0.15133	0.12647	0.08265	0.08569	0.177	0.089	0.1278	0.12647	1.06E+00	2.34E-01	8.60E-06	3.02E-03	5.54E-02	8.38E-03	9.05E-01	8.60E-01	1.40E+00
3484	490863.09	3849377.25	0.1479	0.11643	0.09145	0.07169	0.177	0.083	0.1177	0.11643	1.03E+00	2.15E-01	9.52E-06	2.52E-03	5.53E-02	7.83E-03	8.34E-01	7.92E-01	1.35E+00
3485	491363.09	3849377.25	0.13963	0.10805	0.09435	0.06952	0.167	0.083	0.1082	0.10805	9.73E-01	2.00E-01	9.82E-06	2.45E-03	5.22E-02	7.80E-03	7.66E-01	7.35E-01	1.27E+00
3486	491863.09	3849377.25	0.13663	0.10237	0.0898	0.06745	0.157	0.082	0.1032	0.10237	9.53E-01	1.89E-01	9.35E-06	2.37E-03	4.93E-02	7.75E-03	7.31E-01	6.96E-01	1.24E+00
3487	492363.09	3849377.25	0.13456	0.09494	0.08886	0.07115	0.161	0.076	0.0956	0.09494	9.38E-01	1.75E-01	9.25E-06	2.50E-03	5.05E-02	7.18E-03	6.78E-01	6.46E-01	1.21E+00
3488	492863.09	3849377.25	0.12708	0.08045	0.08382	0.07583	0.158	0.068	0.0811	0.08045	8.86E-01	1.49E-01	8.73E-06	2.67E-03	4.95E-02	6.34E-03	5.74E-01	5.47E-01	1.12E+00
3489	493363.09	3849377.25	0.12091	0.06984	0.07959	0.07008	0.154	0.065	0.0706	0.06984	8.43E-01	1.29E-01	8.29E-06	2.47E-03	4.82E-02	6.11E-03	5.00E-01	4.75E-01	1.05E+00
3490	493863.09	3849377.25	0.11382	0.06839	0.0817	0.06779	0.162	0.063	0.0691	0.06839	7.94E-01	1.26E-01	8.51E-06	2.39E-03	5.09E-02	5.94E-03	4.90E-01	4.65E-01	1.00E+00
3491	494363.09	3849377.25	0.11753	0.06804	0.08395	0.07318	0.165	0.064	0.0687	0.06804	8.19E-01	1.26E-01	8.74E-06	2.58E-03	5.18E-02	6.05E-03	4.86E-01	4.63E-01	1.03E+00
3492	494863.09	3849377.25	0.13256	0.07792	0.09303	0.07401	0.181	0.076	0.0793	0.07792	9.24E-01	1.44E-01	9.68E-06	2.60E-03	5.68E-02	7.15E-03	5.62E-01	5.30E-01	1.17E+00
3493	495363.09	3849377.25	0.13157	0.07751	0.09299	0.07383	0.197	0.08	0.0807	0.07751	9.17E-01	1.43E-01	9.68E-06	2.60E-03	6.17E-02	7.54E-03	5.71E-01	5.27E-01	1.18E+00
3494	495863.09	3849377.25	0.1167	0.06017	0.08232	0.0676	0.175	0.068	0.0609	0.06017	8.14E-01	1.11E-01	8.57E-06	2.38E-03	5.49E-02	6.37E-03	4.32E-01	4.09E-01	1.01E+00
3495	496363.09	3849377.25	0.10968	0.0589	0.07897	0.06699	0.173	0.069	0.0598	0.0589	7.65E-01	1.09E-01	8.22E-06	2.36E-03	5.41E-02	6.46E-03	4.24E-01	4.01E-01	9.60E-01
3496	496863.09	3849377.25	0.13917	0.07496	0.10013	0.07689	0.201	0.085	0.0781	0.07496	9.70E-01	1.38E-01	1.04E-05	2.71E-03	6.30E-02	8.00E-03	5.53E-01	5.10E-01	1.23E+00
3497	497363.09	3849377.25	0.14378	0.07825	0.09975	0.0795	0.209	0.089	0.0801	0.07825	1.00E+00	1.45E-01	1.04E-05	2.80E-03	6.55E-02	8.39E-03	5.68E-01	5.32E-01	1.26E+00
3498	497863.09	3849377.25	0.17046	0.10265	0.10532	0.09654	0.218	0.107	0.1035	0.10265	1.19E+00	1.90E-01	1.10E-05	3.40E-03	6.84E-02	1.00E-02	7.33E-01	6.98E-01	1.49E+00
3499	498363.09	3849377.25	0.1613	0.09056	0.10067	0.10811	0.209	0.105	0.0918	0.09056	1.12E+00	1.67E-01	1.05E-05	3.81E-03	6.55E-02	9.87E-03	6.51E-01	6.16E-01	1.41E+00
3500	471363.09	3849877.25	0.17344	0.40626	0.05187	0.07121	0.117	0.086	0.4151	0.40626	1.21E+00	7.50E-01	5.40E-06	2.51E-03	3.66E-02	8.05E-03	2.94E+00	2.76E+00	2.19E+00
3501	471863.09	3849877.25	0.18848	0.49005	0.05319	0.07257	0.118	0.085	0.5085	0.49005	1.31E+00	9.05E-01	5.54E-06	2.55E-03	3.70E-02	8.01E-03	3.60E+00	3.33E+00	2.54E+00
3502	472363.09	3849877.25	0.17319	0.51336	0.05325	0.07943	0.114	0.087	0.5282	0.51336	1.21E+00	9.48E-01	5.54E-06	2.80E-03	3.56E-02	8.18E-03	3.74E+00	3.49E+00	2.45E+00
3503	472863.09	3849877.25	0.17627	0.57227	0.05401	0.08055	0.118	0.098	0.5808	0.57227	1.23E+00	1.06E+00	5.62E-06	2.84E-03	3.70E-02	9.23E-03	4.11E+00	3.89E+00	2.56E+00
3504	473363.09	3849877.25	0.16711	0.63089	0.05599	0.08835	0.119	0.094	0.6522	0.63089	1.17E+00	1.17E+00	5.83E-06	3.11E-03	3.74E-02	8.82E-03	4.62E+00	4.29E+00	2.71E+00
3505	473863.09	3849877.25	0.16196	0.72696	0.05461	0.08305	0.123	0.089	0.7321	0.72696	1.13E+00	1.34E+00	5.69E-06	2.92E-03	3.86E-02	8.39E-03	5.19E+00	4.94E+00	2.77E+00
3506	474363.09	3849877.25	0.16681	0.81281	0.06522	0.08491	0.127	0.087	0.8155	0.81281	1.16E+00	1.50E+00	6.79E-06	2.99E-03	3.97E-02	8.19E-03	5.78E+00	5.53E+00	2.97E+00
3507	474863.09	3849877.25	0.17146	0.9453	0.07041	0.08028	0.122	0.089	0.9555	0.9453	1.20E+00	1.75E+00	7.33E-06	2.83E-03	3.82E-02	8.37E-03	6.77E+00	6.43E+00	3.33E+00
3508	475363.09	3849877.25	0.18228	1.12124	0.05853	0.08098	0.128	0.096	1.132	1.12124	1.27E+00	2.07E+00	6.09E-06	2.85E-03	4.03E-02	9.02E-03	8.02E+00	7.62E+00	3.79E+00
3509	475863.09	3849877.25	0.22471	1.34509	0.05675	0.08835	0.132	0.1	1.3565	1.34509	1.57E+00	2.48E+00	5.91E-06	3.11E-03	4.15E-02	9.40E-03	9.61E+00	9.15E+00	4.57E+00
3510	476363.09	3849877.25	0.2665	1.55838	0.05886	0.09388	0.134	0.109	1.5796	1.55838	1.86E+00	2.88E+00	6.13E-06	3.30E-03	4.20E-02	1.03E-02	1.12E+01	1.06E+01	5.39E+00
3511	476863.09	3849877.25	0.34518	2.03836	0.06359	0.1035	0.139	0.104	2.0651	2.03836	2.41E+00	3.76E+00	6.62E-06	3.64E-03	4.36E-02	9.73E-03	1.46E+01	1.39E+01	7.00E+00
3512	477363.09	3849877.25	0.54132	3.24841	0.06502	0.10246	0.133	0.097	3.2855	3.24841	3.77E+00	6.00E+00	6.77E-06	3.61E-03	4.16E-02	9.11E-03	2.33E+01	2.21E+01	1.10E+01
3513	477863.09	3849877.25	0.76376	6.18927	0.06297	0.10546	0.144	0.083	6.1906	6.18927	5.32E+00	1.14E+01	6.56E-06	3.71E-03	4.50E-02	7.85E-03	4.39E+01	4.21E+01	1.86E+01
3514	478363.09	3849877.25	0.48481	3.03314	0.05476	0.08717	0.139	0.076	3.0378	3.03314	3.38E+00	5.60E+00	5.70E-06	3.07E-03	4.34E-02	7.10E-03	2.15E+01	2.06E+01	9.93E+00
3515	478863.09	3849877.25	0.37853	2.26329	0.05351	0.07327	0.126	0.091	2.2745	2.26329	2.64E+00	4.18E+00	5.57E-06	2.58E-03	3.95E-02	8.56E-03	1.61E+01	1.54E+01	7.60E+00
3516	479363.09	3849877.25	0.39348	1.51173	0.05458	0.07811	0.113	0.082	1.5203	1.51173	2.74E+00	2.79E+00	5.68E-06	2.75E-03	3.53E-02	7.73E-03	1.08E+01	1.03E+01	6.07E+00
3517	479863.09	3849877.25	0.35115	1.23393	0.05472	0.07925	0.115	0.078	1.2409	1.23393	2.45E+00	2.28E+00	5.70E-06	2.79E-03	3.61E-02	7.32E-03	8.79E+00	8.39E+00	5.17E+00
3518	480363.09	3849877.25	0.3046	0.88642	0.05407	0.08178	0.12	0.077	0.8905	0.88642	2.12E+00	1.64E+00	5.63E-06	2.88E-03	3.76E-02	7.27E-03	6.31E+00	6.03E+00	4.09E+00
3519	480863.09	3849877.25	0.27339	0.69505	0.05635	0.07052	0.123	0.088	0.7099	0.69505	1.91E+00	1.28E+00	5.87E-06	2.48E-03	3.85E-02	8.29E-03	5.03E+00	4.73E+00	3.54E+00
3520	481363.09	3849877.25	0.2437	0.58048	0.05817	0.0737	0.132	0.106	0.5926	0.58048	1.70E+00	1.07E+00	6.06E-06	2.59E-03	4.15E-02	9.92E-03	4.20E+00	3.95E+00	3.08E+00
3521	481863.09	3849877.25	0.20019	0.38372	0.07542	0.08442	0.139	0.119	0.3831	0.38372	1.40E+00	7.09E-01	7.85E-06	2.97E-03	4.35E-02	1.11E-02	2.71E+00	2.61E+00	2.27E+00
3522	482363.09	3849877.25	0.18346	0.30292	0.07364	0.09993	0.152	0.105	0.3055	0.30292	1.28E+00	5.59E-01	7.67E-06	3.52E-03	4.76E-02	9.86E-03	2.16E+00	2.06E+00	2.00E+00
3523	482863.09	3849877.25	0.181	0.24769	0.06543	0.09023	0.172	0.097	0.2485	0.24769	1.26E+00	4.57E-01	6.81E-06	3.18E-03	5.39E-02	9.11E-03	1.76E+00	1.68E+00	1.86E+00
3524	483363.09	3849877.25	0.16523	0.19167	0.07256	0.08746	0.188	0.09	0.1887	0.19167	1.15E+00	3.54E-01	7.55E-06	3.08E-03	5.90E-02	8.42E-03	1.34E+00	1.30E+00	1.61E+00
3525	483863.09	3849877.25	0.15295	0.18104	0.05733	0.08983	0.169	0.092	0.1797	0.18104	1.07E+00	3.34E-01	5.97E-06	3.16E-03	5.30E-02	8.69E-03	1.27E+00	1.23E+00	1.51E+00
3526	484363.09	3849877.25	0.16784	0.26702	0.06237	0.09703	0.179	0.098	0.2812	0.26702	1.17E+00	4.93E-01	6.49E-06	3.42E-03	5.62E-02	9.19E-03	1.99E+00	1.82E+00	1.91E+00
3527	484863.09	3849877.25	0.2082	0.33453	0.06961	0.10488	0.154	0.111	0.3375	0.33453	1.45E+00	6.18E-01	7.25E-06	3.69E-03	4.82E-02	1.04E-02	2.39E+00	2.27E+00	2.25E+00
3528	485363.09	3849877.25	0.21532	0.30675	0.08912	0.11038	0.165	0.113	0.3092	0.30675	1.50E+00	5.67E-01	9.28E-06	3.88E-03	5.17E-02	1.06E-02	2.19E+00	2.09E+00	2.24E+00
3529	485863.09	3849877.25	0.20834	0.25684	0.07265	0.11042	0.164	0.112	0.2591	0.25684	1.45E+00	4.74E-01	7.56E-06	3.89E-03	5.14E-02	1.05E-02	1.84E+00	1.75E+00	2.08E+00
3530	486363.09	3849877.25	0.16844	0.22802	0.07547	0.09563	0.171	0.107	0.2312	0.22802	1.17E+00	4.21E-01	7.86E-06	3.37E-03	5.35E-02	1.01E-02	1.64E+00	1.55E+00	1.75E+00
3531	486863.09	3849877.25	0.17139	0.24104	0.07532	0.1062	0.171	0.112	0.2433	0.24104	1.19E+00	4.45E-01	7.84E-06	3.74E-03	5.35E-02	1.06E-02	1.72E+00	1.64E+00	1.79E+00
3532	487363.09	3849877.25	0.1825	0.23336	0.08568	0.11338	0.169	0.111	0.2355	0.23336	1.27E+00	4.31E-01	8.92E-06	3.99E-03	5.31E-02	1.04E-02	1.67E+00	1.59E+00	1.85E+00
3533	487863.09	3849877.25	0.20152	0.21835	0.10019	0.11433	0.155	0.104	0.2202	0.21835	1.40E+00	4.03E-01	1.04E-05	4.02E-03	4.84E-02	9.82E-03	1.56E+00	1.48E+00	1.95E+00
3534	488363.09	3849877.25	0.21798	0.19983	0.09484	0.11912	0.153	0.102	0.2018	0.19983	1.52E+00	3.69E-01	9.87E-06	4.19E-03	4.79E-02	9.56E-03	1.43E+00	1.36E+00	2.02E+00
3535	488863.09	3849877.25	0.19558	0.18647	0.08619	0.11663	0.156	0.1	0.1882	0.18647	1.36E+00	3.44E-01	8.97E-06	4.10E-03	4.88E-02	9.41E-03	1.33E+00	1.27E+00	1.84E+00
3536	489363.09	3849877.25	0.20117	0.17024	0.08761	0.10631	0.163	0.105	0.1727	0.17024	1.40E+00	3.14E-01	9.12E-06	3.74E-03	5.10E-02	9.91E-03	1.22E+00	1.16E+00	1.85E+00

3537	489863.09	3849877.25	0.20084	0.15905	0.09115	0.10098	0.183	0.1	0.1624	0.15905	1.40E+00	2.94E-01	9.49E-06	3.55E-03	5.74E-02	9.41E-03	1.15E+00	1.08E+00	1.83E+00
3538	490363.09	3849877.25	0.17821	0.14057	0.09674	0.09178	0.19	0.098	0.1452	0.14057	1.24E+00	2.60E-01	1.01E-05	3.23E-03	5.95E-02	9.18E-03	1.03E+00	9.56E-01	1.65E+00
3539	490863.09	3849877.25	0.16842	0.13272	0.10325	0.07657	0.186	0.089	0.1337	0.13272	1.17E+00	2.45E-01	1.07E-05	2.69E-03	5.82E-02	8.41E-03	9.47E-01	9.02E-01	1.53E+00
3540	491363.09	3849877.25	0.15948	0.12253	0.10161	0.07749	0.167	0.089	0.1235	0.12253	1.11E+00	2.26E-01	1.06E-05	2.73E-03	5.24E-02	8.32E-03	8.75E-01	8.33E-01	1.44E+00
3541	491863.09	3849877.25	0.14831	0.10581	0.10485	0.08097	0.173	0.091	0.1066	0.10581	1.03E+00	1.95E-01	1.09E-05	2.85E-03	5.41E-02	8.58E-03	7.56E-01	7.19E-01	1.33E+00
3542	492363.09	3849877.25	0.1429	0.1001	0.08671	0.08192	0.168	0.092	0.101	0.1001	9.96E-01	1.85E-01	9.03E-06	2.88E-03	5.26E-02	8.61E-03	7.16E-01	6.81E-01	1.28E+00
3543	492863.09	3849877.25	0.13493	0.09389	0.09025	0.08284	0.163	0.076	0.0949	0.09389	9.41E-01	1.73E-01	9.40E-06	2.92E-03	5.12E-02	7.18E-03	6.73E-01	6.38E-01	1.21E+00
3544	493363.09	3849877.25	0.12671	0.07563	0.09637	0.07648	0.17	0.07	0.0775	0.07563	8.83E-01	1.40E-01	1.00E-05	2.69E-03	5.34E-02	6.54E-03	5.49E-01	5.14E-01	1.12E+00
3545	493863.09	3849877.25	0.12141	0.06968	0.08864	0.07063	0.175	0.072	0.0709	0.06968	8.46E-01	1.29E-01	9.23E-06	2.49E-03	5.47E-02	6.75E-03	5.03E-01	4.74E-01	1.07E+00
3546	494363.09	3849877.25	0.13575	0.08375	0.10105	0.08304	0.194	0.084	0.0861	0.08375	9.46E-01	1.55E-01	1.05E-05	2.92E-03	6.08E-02	7.88E-03	6.10E-01	5.69E-01	1.21E+00
3547	494863.09	3849877.25	0.14787	0.08839	0.10501	0.08824	0.207	0.097	0.0905	0.08839	1.03E+00	1.63E-01	1.09E-05	3.11E-03	6.50E-02	9.11E-03	6.41E-01	6.01E-01	1.31E+00
3548	495363.09	3849877.25	0.13824	0.07666	0.10552	0.08015	0.195	0.086	0.0796	0.07666	9.64E-01	1.42E-01	1.10E-05	2.82E-03	6.12E-02	8.09E-03	5.64E-01	5.21E-01	1.22E+00
3549	495863.09	3849877.25	0.14271	0.08353	0.1105	0.08482	0.21	0.094	0.0868	0.08353	9.95E-01	1.54E-01	1.15E-05	2.99E-03	6.59E-02	8.84E-03	6.15E-01	5.68E-01	1.27E+00
3550	496363.09	3849877.25	0.14936	0.08379	0.10826	0.08669	0.231	0.1	0.0857	0.08379	1.04E+00	1.55E-01	1.13E-05	3.05E-03	7.24E-02	9.41E-03	6.07E-01	5.70E-01	1.32E+00
3551	496863.09	3849877.25	0.15736	0.08373	0.10447	0.08807	0.221	0.102	0.0855	0.08373	1.10E+00	1.55E-01	1.09E-05	3.10E-03	6.94E-02	9.61E-03	6.05E-01	5.69E-01	1.37E+00
3552	497363.09	3849877.25	0.17573	0.10121	0.10804	0.10853	0.233	0.113	0.1017	0.10121	1.23E+00	1.87E-01	1.12E-05	3.82E-03	7.29E-02	1.06E-02	7.20E-01	6.88E-01	1.53E+00
3553	497863.09	3849877.25	0.18757	0.10494	0.12908	0.11928	0.226	0.12	0.1062	0.10494	1.31E+00	1.94E-01	1.34E-05	4.20E-03	7.08E-02	1.13E-02	7.53E-01	7.14E-01	1.63E+00
3554	498363.09	3849877.25	0.1786	0.09913	0.12968	0.12055	0.242	0.116	0.0998	0.09913	1.25E+00	1.83E-01	1.35E-05	4.24E-03	7.58E-02	1.09E-02	7.07E-01	6.74E-01	1.55E+00
3555	471363.09	3850377.25	0.13935	0.22259	0.05454	0.07737	0.12	0.094	0.2294	0.22259	9.72E-01	4.11E-01	5.68E-06	2.72E-03	3.77E-02	8.84E-03	1.63E+00	1.51E+00	1.54E+00
3556	471863.09	3850377.25	0.16699	0.3619	0.05412	0.07923	0.133	0.088	0.3692	0.3619	1.16E+00	6.68E-01	5.63E-06	2.79E-03	4.16E-02	8.28E-03	2.62E+00	2.46E+00	2.04E+00
3557	472363.09	3850377.25	0.17362	0.42194	0.05559	0.07565	0.128	0.089	0.4226	0.42194	1.21E+00	7.79E-01	5.79E-06	2.66E-03	4.03E-02	8.40E-03	2.99E+00	2.87E+00	2.17E+00
3558	472863.09	3850377.25	0.18548	0.50237	0.05741	0.07743	0.124	0.089	0.5027	0.50237	1.29E+00	9.28E-01	5.98E-06	2.73E-03	3.90E-02	8.34E-03	3.56E+00	3.42E+00	2.42E+00
3559	473363.09	3850377.25	0.18671	0.56792	0.05652	0.08309	0.125	0.093	0.5475	0.56792	1.30E+00	1.05E+00	5.88E-06	2.92E-03	3.91E-02	8.78E-03	3.88E+00	3.86E+00	2.42E+00
3560	473863.09	3850377.25	0.18797	0.61751	0.05779	0.08795	0.125	0.107	0.6025	0.61751	1.31E+00	1.14E+00	6.02E-06	3.10E-03	3.92E-02	1.00E-02	4.27E+00	4.20E+00	2.57E+00
3561	474363.09	3850377.25	0.17547	0.65221	0.06159	0.09267	0.128	0.112	0.6566	0.65221	1.22E+00	1.20E+00	6.41E-06	3.26E-03	4.01E-02	1.05E-02	4.65E+00	4.43E+00	2.70E+00
3562	474863.09	3850377.25	0.16805	0.74081	0.06052	0.09072	0.131	0.102	0.7237	0.74081	1.17E+00	1.37E+00	6.30E-06	3.19E-03	4.11E-02	9.54E-03	5.13E+00	5.04E+00	2.68E+00
3563	475363.09	3850377.25	0.16977	0.81858	0.0739	0.09077	0.136	0.098	0.8077	0.81858	1.18E+00	1.51E+00	7.69E-06	3.19E-03	4.25E-02	9.19E-03	5.72E+00	5.57E+00	2.91E+00
3564	475863.09	3850377.25	0.19232	0.88614	0.06988	0.08957	0.133	0.1	0.913	0.88614	1.34E+00	1.64E+00	7.27E-06	3.15E-03	4.18E-02	9.41E-03	6.47E+00	6.03E+00	3.47E+00
3565	476363.09	3850377.25	0.22377	1.0631	0.06144	0.08857	0.139	0.108	1.0797	1.0631	1.56E+00	1.96E+00	6.40E-06	3.12E-03	4.37E-02	1.02E-02	7.65E+00	7.23E+00	4.00E+00
3566	476863.09	3850377.25	0.25168	1.15814	0.06372	0.09768	0.142	0.112	1.1695	1.15814	1.75E+00	2.14E+00	6.63E-06	3.44E-03	4.45E-02	1.06E-02	8.29E+00	7.88E+00	4.36E+00
3567	477363.09	3850377.25	0.28138	1.43399	0.06715	0.10449	0.141	0.116	1.4494	1.43399	1.96E+00	2.65E+00	6.99E-06	3.68E-03	4.40E-02	1.09E-02	1.03E+01	9.75E+00	5.19E+00
3568	477863.09	3850377.25	0.37973	1.96227	0.06863	0.1153	0.154	0.106	1.9894	1.96227	2.65E+00	3.62E+00	7.14E-06	4.06E-03	4.82E-02	9.97E-03	1.41E+01	1.33E+01	7.09E+00
3569	478363.09	3850377.25	0.67225	3.50831	0.06822	0.11667	0.147	0.095	3.5633	3.50831	4.69E+00	6.48E+00	7.10E-06	4.11E-03	4.60E-02	8.95E-03	2.52E+01	2.39E+01	1.26E+01
3570	478863.09	3850377.25	1.11565	6.30668	0.06029	0.10476	0.161	0.085	6.2291	6.30668	7.78E+00	1.16E+01	6.28E-06	3.69E-03	5.05E-02	7.97E-03	4.41E+01	4.29E+01	2.07E+01
3571	479363.09	3850377.25	0.69863	3.22837	0.05809	0.08379	0.137	0.1	3.249	3.22837	4.87E+00	5.96E+00	6.05E-06	2.95E-03	4.30E-02	9.43E-03	2.30E+01	2.20E+01	1.20E+01
3572	479863.09	3850377.25	0.62169	1.96857	0.05671	0.08546	0.122	0.085	1.9753	1.96857	4.33E+00	3.64E+00	5.90E-06	3.01E-03	3.82E-02	8.01E-03	1.40E+01	1.34E+01	8.63E+00
3573	480363.09	3850377.25	0.58571	1.38186	0.06173	0.08499	0.127	0.088	1.3861	1.38186	4.08E+00	2.55E+00	6.43E-06	2.99E-03	3.96E-02	8.25E-03	9.82E+00	9.40E+00	7.11E+00
3574	480863.09	3850377.25	0.49785	1.1532	0.0575	0.09047	0.133	0.093	1.2008	1.1532	3.47E+00	2.13E+00	5.99E-06	3.18E-03	4.17E-02	8.74E-03	8.51E+00	7.84E+00	6.32E+00
3575	481363.09	3850377.25	0.34137	0.69275	0.06248	0.07708	0.138	0.116	0.7227	0.69275	2.38E+00	1.28E+00	6.50E-06	2.71E-03	4.33E-02	1.09E-02	5.12E+00	4.71E+00	4.13E+00
3576	481863.09	3850377.25	0.28314	0.62493	0.07982	0.08051	0.144	0.131	0.631	0.62493	1.97E+00	1.15E+00	8.31E-06	2.83E-03	4.50E-02	1.23E-02	4.47E+00	4.25E+00	3.41E+00
3577	482363.09	3850377.25	0.23869	0.50171	0.09084	0.11216	0.149	0.126	0.5066	0.50171	1.66E+00	9.27E-01	9.46E-06	3.95E-03	4.66E-02	1.19E-02	3.59E+00	3.41E+00	2.83E+00
3578	482863.09	3850377.25	0.19709	0.35148	0.07824	0.10278	0.164	0.112	0.3586	0.35148	1.37E+00	6.49E-01	8.15E-06	3.62E-03	5.13E-02	1.05E-02	2.54E+00	2.39E+00	2.24E+00
3579	483363.09	3850377.25	0.18476	0.27662	0.07944	0.10408	0.196	0.106	0.2791	0.27662	1.29E+00	5.11E-01	8.27E-06	3.66E-03	6.15E-02	9.94E-03	1.98E+00	1.88E+00	1.97E+00
3580	483863.09	3850377.25	0.18339	0.30632	0.0647	0.1135	0.193	0.104	0.3131	0.30632	1.28E+00	5.66E-01	6.74E-06	3.99E-03	6.04E-02	9.77E-03	2.22E+00	2.08E+00	2.05E+00
3581	484363.09	3850377.25	0.19876	0.34714	0.07179	0.1227	0.197	0.117	0.3589	0.34714	1.39E+00	6.41E-01	7.47E-06	4.32E-03	6.16E-02	1.10E-02	2.54E+00	2.36E+00	2.29E+00
3582	484863.09	3850377.25	0.22952	0.38669	0.07907	0.12027	0.192	0.138	0.3939	0.38669	1.60E+00	7.14E-01	8.23E-06	4.23E-03	6.03E-02	1.30E-02	2.79E+00	2.63E+00	2.55E+00
3583	485363.09	3850377.25	0.25728	0.36701	0.09212	0.13055	0.17	0.134	0.3703	0.36701	1.79E+00	6.78E-01	9.59E-06	4.59E-03	5.32E-02	1.26E-02	2.62E+00	2.50E+00	2.67E+00
3584	485863.09	3850377.25	0.23719	0.31623	0.08567	0.14733	0.188	0.133	0.3186	0.31623	1.65E+00	5.84E-01	8.92E-06	5.19E-03	5.90E-02	1.25E-02	2.26E+00	2.15E+00	2.42E+00
3585	486363.09	3850377.25	0.21788	0.2964	0.07838	0.14108	0.176	0.144	0.2988	0.2964	1.52E+00	5.47E-01	8.16E-06	4.97E-03	5.53E-02	1.35E-02	2.12E+00	2.02E+00	2.24E+00
3586	486863.09	3850377.25	0.25891	0.27897	0.09398	0.14505	0.181	0.13	0.2839	0.27897	1.81E+00	5.15E-01	9.78E-06	5.11E-03	5.67E-02	1.22E-02	2.01E+00	1.90E+00	2.51E+00
3587	487363.09	3850377.25	0.24611	0.25454	0.10859	0.13566	0.178	0.12	0.2596	0.25454	1.72E+00	4.70E-01	1.13E-05	4.77E-03	5.57E-02	1.12E-02	1.84E+00	1.73E+00	2.37E+00
3588	487863.09	3850377.25	0.24592	0.24112	0.11178	0.1384	0.163	0.116	0.2432	0.24112	1.71E+00	4.45E-01	1.16E-05	4.87E-03	5.12E-02	1.09E-02	1.72E+00	1.64E+00	2.31E+00
3589	488363.09	3850377.25	0.24189	0.2296	0.08808	0.14383	0.162	0.112	0.2317	0.2296	1.69E+00	4.24E-01	9.17E-06	5.06E-03	5.08E-02	1.05E-02	1.64E+00	1.56E+00	2.26E+00
3590	488863.09	3850377.25	0.24675	0.21467	0.08894	0.12985	0.165	0.116	0.2168	0.21467	1.72E+00	3.96E-01	9.26E-06	4.57E-03	5.17E-02	1.09E-02	1.54E+00	1.46E+00	2.26E+00
3591	489363.09	3850377.25	0.25107	0.20001	0.10485	0.11944	0.186	0.113	0.2036	0.20001	1.75E+00	3.69E-01	1.09E-05	4.20E-03	5.81E-02	1.07E-02	1.44E+00	1.36E+00	2.28E+00
3592	489863.09	3850377.25	0.2282	0.17711	0.10631	0.11309	0.201	0.11	0.1849	0.17711	1.59E+00	3.27E-01	1.11E-05	3.98E-03	6.29E-02	1.04E-02	1.31E+00	1.20E+00	2.10E+00
3593	490363.09	3850377.25	0.21186	0.15548	0.12581	0.10765	0.195	0.109	0.1604	0.15548	1.48E+00	2.87E-01	1.31E-05	3.79E-03	6.12E-02	1.03E-02	1.14E+00	1.06E+00	1.92E+00
3594	490863.09	3850377.25	0.20166	0.14454	0.10938	0.09442	0.21	0.106	0.1485	0.14454	1.41E+00	2.67E-01	1.14E-05	3.32E-03	6.59E-02	9.99E-03	1.05E+00	9.83E-01	1.82E+00
3595	491363.09	3850377.25	0.18543	0.13473	0.10917	0.09387	0.184	0.103	0.1359	0.13473	1.29E+00	2.49E-01	1.14E-05	3.30E-03	5.76E-02	9.68E-03	9.63E-01	9.16E-01	1.66E+00

3596	491863.09	3850377.25	0.16558	0.1183	0.1016	0.09135	0.192	0.098	0.1199	0.1183	1.15E+00	2.18E-01	1.06E-05	3.22E-03	6.02E-02	9.17E-03	8.50E-01	8.04E-01	1.49E+00
3597	492363.09	3850377.25	0.15874	0.10066	0.101	0.08725	0.185	0.093	0.1028	0.10066	1.11E+00	1.86E-01	1.05E-05	3.07E-03	5.81E-02	8.75E-03	7.28E-01	6.84E-01	1.41E+00
3598	492863.09	3850377.25	0.14802	0.09476	0.10902	0.08794	0.181	0.09	0.0958	0.09476	1.03E+00	1.75E-01	1.13E-05	3.10E-03	5.68E-02	8.49E-03	6.79E-01	6.44E-01	1.31E+00
3599	493363.09	3850377.25	0.13814	0.08592	0.10572	0.08638	0.189	0.083	0.0875	0.08592	9.63E-01	1.59E-01	1.10E-05	3.04E-03	5.92E-02	7.85E-03	6.20E-01	5.84E-01	1.23E+00
3600	493863.09	3850377.25	0.14021	0.08855	0.11367	0.08654	0.206	0.092	0.0894	0.08855	9.78E-01	1.64E-01	1.18E-05	3.05E-03	6.46E-02	8.60E-03	6.33E-01	6.02E-01	1.25E+00
3601	494363.09	3850377.25	0.14824	0.08795	0.12462	0.08899	0.219	0.096	0.0888	0.08795	1.03E+00	1.62E-01	1.30E-05	3.13E-03	6.86E-02	9.04E-03	6.29E-01	5.98E-01	1.31E+00
3602	494863.09	3850377.25	0.15062	0.09096	0.12343	0.09891	0.221	0.111	0.0928	0.09096	1.05E+00	1.68E-01	1.28E-05	3.48E-03	6.92E-02	1.05E-02	6.58E-01	6.19E-01	1.34E+00
3603	495363.09	3850377.25	0.17153	0.10095	0.12328	0.10188	0.229	0.119	0.1018	0.10095	1.20E+00	1.86E-01	1.28E-05	3.59E-03	7.19E-02	1.12E-02	7.21E-01	6.86E-01	1.50E+00
3604	495863.09	3850377.25	0.16668	0.09128	0.11994	0.10533	0.246	0.117	0.094	0.09128	1.16E+00	1.69E-01	1.25E-05	3.71E-03	7.70E-02	1.10E-02	6.66E-01	6.21E-01	1.47E+00
3605	496363.09	3850377.25	0.18111	0.1018	0.12741	0.09913	0.256	0.121	0.1038	0.1018	1.26E+00	1.88E-01	1.33E-05	3.49E-03	8.03E-02	1.14E-02	7.36E-01	6.92E-01	1.59E+00
3606	496863.09	3850377.25	0.20574	0.11454	0.13287	0.12188	0.252	0.12	0.1167	0.11454	1.43E+00	2.12E-01	1.38E-05	4.29E-03	7.90E-02	1.13E-02	8.27E-01	7.79E-01	1.79E+00
3607	497363.09	3850377.25	0.20938	0.11496	0.14424	0.12269	0.242	0.121	0.1185	0.11496	1.46E+00	2.12E-01	1.50E-05	4.32E-03	7.58E-02	1.14E-02	8.40E-01	7.82E-01	1.82E+00
3608	497863.09	3850377.25	0.20644	0.11099	0.14822	0.13216	0.246	0.127	0.1125	0.11099	1.44E+00	2.05E-01	1.54E-05	4.65E-03	7.70E-02	1.19E-02	7.97E-01	7.55E-01	1.78E+00
3609	498363.09	3850377.25	0.19916	0.1066	0.14711	0.1402	0.258	0.117	0.1085	0.1066	1.39E+00	1.97E-01	1.53E-05	4.93E-03	8.08E-02	1.10E-02	7.68E-01	7.25E-01	1.73E+00
3610	471363.09	3850877.25	0.14602	0.26113	0.06063	0.09301	0.123	0.104	0.2631	0.26113	1.02E+00	4.82E-01	6.31E-06	3.27E-03	3.85E-02	9.78E-03	1.86E+00	1.78E+00	1.64E+00
3611	471863.09	3850877.25	0.15453	0.31425	0.05865	0.09276	0.121	0.105	0.3174	0.31425	1.08E+00	5.80E-01	6.11E-06	3.26E-03	3.78E-02	9.86E-03	2.25E+00	2.14E+00	1.82E+00
3612	472363.09	3850877.25	0.16433	0.38174	0.05886	0.0924	0.125	0.109	0.3821	0.38174	1.15E+00	7.05E-01	6.13E-06	3.25E-03	3.93E-02	1.02E-02	2.71E+00	2.60E+00	2.02E+00
3613	472863.09	3850877.25	0.18308	0.43306	0.06021	0.09133	0.138	0.11	0.4504	0.43306	1.28E+00	8.00E-01	6.27E-06	3.21E-03	4.34E-02	1.03E-02	3.19E+00	2.94E+00	2.38E+00
3614	473363.09	3850877.25	0.19359	0.4555	0.05912	0.08875	0.141	0.104	0.4632	0.4555	1.35E+00	8.41E-01	6.15E-06	3.12E-03	4.43E-02	9.78E-03	3.28E+00	3.10E+00	2.43E+00
3615	473863.09	3850877.25	0.18637	0.53433	0.06244	0.08486	0.138	0.094	0.5304	0.53433	1.30E+00	9.87E-01	6.50E-06	2.99E-03	4.32E-02	8.83E-03	3.76E+00	3.63E+00	2.47E+00
3616	474363.09	3850877.25	0.18671	0.58259	0.06323	0.08868	0.132	0.105	0.5724	0.58259	1.30E+00	1.08E+00	6.58E-06	3.12E-03	4.15E-02	9.86E-03	4.06E+00	3.96E+00	2.53E+00
3617	474863.09	3850877.25	0.18222	0.61577	0.06249	0.09303	0.134	0.124	0.5987	0.61577	1.27E+00	1.14E+00	6.51E-06	3.27E-03	4.19E-02	1.17E-02	4.24E+00	4.19E+00	2.52E+00
3618	475363.09	3850877.25	0.18852	0.65026	0.06822	0.10235	0.139	0.132	0.6615	0.65026	1.31E+00	1.20E+00	7.10E-06	3.60E-03	4.36E-02	1.24E-02	4.69E+00	4.42E+00	2.84E+00
3619	475863.09	3850877.25	0.19289	0.71836	0.07243	0.10482	0.144	0.117	0.7213	0.71836	1.34E+00	1.33E+00	7.54E-06	3.69E-03	4.52E-02	1.10E-02	5.11E+00	4.88E+00	2.96E+00
3620	476363.09	3850877.25	0.19574	0.78355	0.08104	0.09925	0.15	0.114	0.8036	0.78355	1.36E+00	1.45E+00	8.44E-06	3.49E-03	4.71E-02	1.07E-02	5.69E+00	5.33E+00	3.24E+00
3621	476863.09	3850877.25	0.23124	0.8678	0.06705	0.09704	0.141	0.115	0.8829	0.8678	1.61E+00	1.60E+00	6.98E-06	3.42E-03	4.42E-02	1.08E-02	6.26E+00	5.90E+00	3.63E+00
3622	477363.09	3850877.25	0.26172	0.97308	0.06779	0.09916	0.15	0.115	0.985	0.97308	1.82E+00	1.80E+00	7.06E-06	3.49E-03	4.71E-02	1.08E-02	6.98E+00	6.62E+00	4.05E+00
3623	477863.09	3850877.25	0.27407	1.1589	0.07057	0.11166	0.149	0.123	1.1727	1.1589	1.91E+00	2.14E+00	7.35E-06	3.93E-03	4.68E-02	1.16E-02	8.31E+00	7.88E+00	4.54E+00
3624	478363.09	3850877.25	0.36932	1.41798	0.07703	0.12539	0.161	0.119	1.4553	1.41798	2.57E+00	2.62E+00	8.02E-06	4.41E-03	5.04E-02	1.12E-02	1.03E+01	9.64E+00	5.93E+00
3625	478863.09	3850877.25	0.50087	1.85138	0.07305	0.13056	0.164	0.109	1.8879	1.85138	3.49E+00	3.42E+00	7.60E-06	4.60E-03	5.13E-02	1.02E-02	1.34E+01	1.26E+01	7.77E+00
3626	479363.09	3850877.25	0.82988	3.01816	0.06707	0.11902	0.179	0.098	3.0859	3.01816	5.79E+00	5.57E+00	6.98E-06	4.19E-03	5.59E-02	9.20E-03	2.19E+01	2.05E+01	1.28E+01
3627	479863.09	3850877.25	1.34545	7.34284	0.06368	0.09494	0.158	0.111	7.2552	7.34284	9.38E+00	1.36E+01	6.63E-06	3.34E-03	4.96E-02	1.04E-02	5.14E+01	4.99E+01	2.45E+01
3628	480363.09	3850877.25	0.87121	3.29142	0.06142	0.09369	0.134	0.091	3.3041	3.29142	6.07E+00	6.08E+00	6.39E-06	3.30E-03	4.21E-02	8.59E-03	2.34E+01	2.24E+01	1.32E+01
3629	480863.09	3850877.25	0.58197	2.09035	0.07133	0.0987	0.135	0.097	2.1052	2.09035	4.06E+00	3.86E+00	7.43E-06	3.47E-03	4.21E-02	9.10E-03	1.49E+01	1.42E+01	8.67E+00
3630	481363.09	3850877.25	0.48719	1.39652	0.06586	0.09601	0.146	0.115	1.4251	1.39652	3.40E+00	2.58E+00	6.86E-06	3.38E-03	4.56E-02	1.08E-02	1.01E+01	9.50E+00	6.64E+00
3631	481863.09	3850877.25	0.44699	0.99267	0.08993	0.09081	0.154	0.148	1.0175	0.99267	3.12E+00	1.83E+00	9.36E-06	3.20E-03	4.81E-02	1.39E-02	7.21E+00	6.75E+00	5.47E+00
3632	482363.09	3850877.25	0.33366	0.64772	0.0979	0.11405	0.153	0.135	0.6545	0.64772	2.33E+00	1.20E+00	1.02E-05	4.01E-03	4.81E-02	1.26E-02	4.64E+00	4.40E+00	3.82E+00
3633	482863.09	3850877.25	0.27729	0.56193	0.08362	0.11428	0.162	0.128	0.5581	0.56193	1.93E+00	1.04E+00	8.71E-06	4.02E-03	5.08E-02	1.21E-02	3.95E+00	3.82E+00	3.17E+00
3634	483363.09	3850877.25	0.22204	0.4162	0.09432	0.11368	0.183	0.129	0.4244	0.4162	1.55E+00	7.69E-01	9.82E-06	4.00E-03	5.74E-02	1.21E-02	3.01E+00	2.83E+00	2.57E+00
3635	483863.09	3850877.25	0.21538	0.40355	0.08865	0.12215	0.226	0.13	0.4171	0.40355	1.50E+00	7.45E-01	9.23E-06	4.30E-03	7.07E-02	1.22E-02	2.96E+00	2.74E+00	2.55E+00
3636	484363.09	3850877.25	0.26176	0.41234	0.08593	0.1324	0.204	0.141	0.431	0.41234	1.82E+00	7.62E-01	8.95E-06	4.66E-03	6.40E-02	1.32E-02	3.05E+00	2.80E+00	2.92E+00
3637	484863.09	3850877.25	0.28228	0.41016	0.08487	0.14251	0.214	0.148	0.4302	0.41016	1.97E+00	7.58E-01	8.84E-06	5.02E-03	6.71E-02	1.39E-02	3.05E+00	2.79E+00	3.07E+00
3638	485363.09	3850877.25	0.29121	0.38618	0.0997	0.16008	0.181	0.159	0.3908	0.38618	2.03E+00	7.13E-01	1.04E-05	5.63E-03	5.67E-02	1.49E-02	2.77E+00	2.63E+00	2.96E+00
3639	485863.09	3850877.25	0.29058	0.34727	0.11506	0.15744	0.209	0.161	0.3569	0.34727	2.03E+00	6.41E-01	1.20E-05	5.54E-03	6.56E-02	1.51E-02	2.53E+00	2.36E+00	2.92E+00
3640	486363.09	3850877.25	0.31704	0.3464	0.08517	0.16628	0.196	0.161	0.3485	0.3464	2.21E+00	6.40E-01	8.87E-06	5.85E-03	6.14E-02	1.51E-02	2.47E+00	2.36E+00	3.05E+00
3641	486863.09	3850877.25	0.33098	0.32577	0.12139	0.176	0.212	0.149	0.3284	0.32577	2.31E+00	6.02E-01	1.26E-05	6.19E-03	6.65E-02	1.40E-02	2.33E+00	2.22E+00	3.11E+00
3642	487363.09	3850877.25	0.27883	0.29673	0.11464	0.16891	0.192	0.137	0.2999	0.29673	1.94E+00	5.48E-01	1.19E-05	5.94E-03	6.01E-02	1.29E-02	2.12E+00	2.02E+00	2.68E+00
3643	487863.09	3850877.25	0.29567	0.28038	0.11245	0.15639	0.176	0.138	0.2821	0.28038	2.06E+00	5.18E-01	1.17E-05	5.50E-03	5.52E-02	1.30E-02	2.00E+00	1.91E+00	2.75E+00
3644	488363.09	3850877.25	0.32545	0.26507	0.09225	0.15825	0.172	0.136	0.2672	0.26507	2.27E+00	4.90E-01	9.60E-06	5.57E-03	5.40E-02	1.27E-02	1.89E+00	1.80E+00	2.92E+00
3645	488863.09	3850877.25	0.31564	0.24559	0.10832	0.1535	0.178	0.137	0.2472	0.24559	2.20E+00	4.54E-01	1.13E-05	5.40E-03	5.58E-02	1.29E-02	1.75E+00	1.67E+00	2.81E+00
3646	489363.09	3850877.25	0.30941	0.22685	0.13412	0.14224	0.2	0.138	0.2304	0.22685	2.16E+00	4.19E-01	1.40E-05	5.01E-03	6.27E-02	1.29E-02	1.63E+00	1.54E+00	2.75E+00
3647	489863.09	3850877.25	0.29754	0.20379	0.13518	0.1399	0.211	0.135	0.206	0.20379	2.07E+00	3.76E-01	1.41E-05	4.92E-03	6.61E-02	1.27E-02	1.46E+00	1.39E+00	2.61E+00
3648	490363.09	3850877.25	0.28673	0.18505	0.11976	0.13527	0.226	0.126	0.1866	0.18505	2.00E+00	3.42E-01	1.25E-05	4.76E-03	7.07E-02	1.18E-02	1.32E+00	1.26E+00	2.49E+00
3649	490863.09	3850877.25	0.25249	0.1703	0.11922	0.11874	0.212	0.134	0.1719	0.1703	1.76E+00	3.15E-01	1.24E-05	4.18E-03	6.63E-02	1.26E-02	1.22E+00	1.16E+00	2.22E+00
3650	491363.09	3850877.25	0.21226	0.15842	0.12235	0.10778	0.201	0.124	0.1611	0.15842	1.48E+00	2.93E-01	1.27E-05	3.79E-03	6.28E-02	1.17E-02	1.14E+00	1.08E+00	1.92E+00
3651	491863.09	3850877.25	0.18766	0.13357	0.12712	0.10208	0.212	0.113	0.1353	0.13357	1.31E+00	2.47E-01	1.32E-05	3.59E-03	6.64E-02	1.06E-02	9.59E-01	9.08E-01	1.69E+00
3652	492363.09	3850877.25	0.17881	0.11329	0.1339	0.10294	0.184	0.11	0.1148	0.11329	1.25E+00	2.09E-01	1.39E-05	3.62E-03	5.77E-02	1.03E-02	8.14E-01	7.70E-01	1.57E+00
3653	492863.09	3850877.25	0.17155	0.10401	0.14402	0.10586	0.207	0.106	0.1067	0.10401	1.20E+00	1.92E-01	1.50E-05	3.73E-03	6.48E-02	9.99E-03	7.56E-01	7.07E-01	1.52E+00
3654	493363.09	3850877.25	0.15992	0.09895	0.13054	0.1008	0.231	0.105	0.1025	0.09895	1.11E+00	1.83E-01	1.36E-05	3.55E-03	7.22E-02	9.82E-03	7.27E-01	6.73E-01	1.44E+00

3655	493863.09	3850877.25	0.1667	0.10234	0.13347	0.10672	0.253	0.109	0.1046	0.10234	1.16E+00	1.89E-01	1.39E-05	3.76E-03	7.94E-02	1.02E-02	7.41E-01	6.96E-01	1.49E+00
3656	494363.09	3850877.25	0.17308	0.1017	0.13282	0.11045	0.246	0.12	0.1033	0.1017	1.21E+00	1.88E-01	1.38E-05	3.89E-03	7.69E-02	1.12E-02	7.32E-01	6.92E-01	1.53E+00
3657	494863.09	3850877.25	0.18687	0.11139	0.14487	0.11362	0.257	0.134	0.1131	0.11139	1.30E+00	2.06E-01	1.51E-05	4.00E-03	8.05E-02	1.26E-02	8.02E-01	7.57E-01	1.65E+00
3658	495363.09	3850877.25	0.21396	0.11735	0.1411	0.1193	0.271	0.13	0.1256	0.11735	1.49E+00	2.17E-01	1.47E-05	4.20E-03	8.49E-02	1.22E-02	8.90E-01	7.98E-01	1.90E+00
3659	495863.09	3850877.25	0.21576	0.11709	0.15364	0.10971	0.277	0.13	0.1227	0.11709	1.50E+00	2.16E-01	1.60E-05	3.86E-03	8.69E-02	1.22E-02	8.69E-01	7.96E-01	1.90E+00
3660	496363.09	3850877.25	0.21967	0.12308	0.15428	0.12401	0.273	0.127	0.1287	0.12308	1.53E+00	2.27E-01	1.61E-05	4.36E-03	8.56E-02	1.19E-02	9.12E-01	8.37E-01	1.94E+00
3661	496863.09	3850877.25	0.2475	0.12835	0.16314	0.1373	0.276	0.137	0.1333	0.12835	1.73E+00	2.37E-01	1.70E-05	4.83E-03	8.64E-02	1.29E-02	9.45E-01	8.73E-01	2.14E+00
3662	497363.09	3850877.25	0.25119	0.12218	0.17023	0.15228	0.286	0.134	0.1285	0.12218	1.75E+00	2.26E-01	1.77E-05	5.36E-03	8.97E-02	1.26E-02	9.11E-01	8.31E-01	2.16E+00
3663	497863.09	3850877.25	0.24066	0.11852	0.16381	0.1654	0.293	0.139	0.1217	0.11852	1.68E+00	2.19E-01	1.71E-05	5.82E-03	9.19E-02	1.30E-02	8.63E-01	8.06E-01	2.06E+00
3664	498363.09	3850877.25	0.22745	0.11457	0.15709	0.14519	0.308	0.125	0.1155	0.11457	1.59E+00	2.12E-01	1.64E-05	5.11E-03	9.66E-02	1.17E-02	8.19E-01	7.79E-01	1.95E+00
3665	471363.09	3851377.25	0.1571	0.26859	0.05881	0.09293	0.128	0.12	0.2779	0.26859	1.10E+00	4.96E-01	6.12E-06	3.27E-03	4.00E-02	1.13E-02	1.97E+00	1.83E+00	1.79E+00
3666	471863.09	3851377.25	0.16776	0.34247	0.06068	0.09433	0.14	0.12	0.3411	0.34247	1.17E+00	6.33E-01	6.32E-06	3.32E-03	4.38E-02	1.13E-02	2.42E+00	2.33E+00	1.95E+00
3667	472363.09	3851377.25	0.16908	0.35587	0.06782	0.09902	0.125	0.12	0.3535	0.35587	1.18E+00	6.57E-01	7.06E-06	3.49E-03	3.91E-02	1.12E-02	2.50E+00	2.42E+00	1.98E+00
3668	472863.09	3851377.25	0.17021	0.36673	0.07119	0.10741	0.134	0.118	0.3667	0.36673	1.19E+00	6.77E-01	7.41E-06	3.78E-03	4.21E-02	1.11E-02	2.60E+00	2.49E+00	2.03E+00
3669	473363.09	3851377.25	0.17474	0.30354	0.06361	0.11038	0.13	0.115	0.3066	0.30354	1.22E+00	5.61E-01	6.62E-06	3.88E-03	4.07E-02	1.08E-02	2.17E+00	2.06E+00	1.94E+00
3670	473863.09	3851377.25	0.19213	0.3296	0.06522	0.10141	0.141	0.118	0.3364	0.3296	1.34E+00	6.09E-01	6.79E-06	3.57E-03	4.42E-02	1.10E-02	2.38E+00	2.24E+00	2.15E+00
3671	474363.09	3851377.25	0.22474	0.43967	0.06479	0.10851	0.153	0.125	0.4523	0.43967	1.57E+00	8.12E-01	6.75E-06	3.82E-03	4.81E-02	1.18E-02	3.20E+00	2.99E+00	2.66E+00
3672	474863.09	3851377.25	0.22104	0.50644	0.06798	0.09986	0.152	0.131	0.5422	0.50644	1.54E+00	9.35E-01	7.08E-06	3.51E-03	4.76E-02	1.23E-02	3.84E+00	3.44E+00	2.94E+00
3673	475363.09	3851377.25	0.21293	0.54546	0.06984	0.09606	0.141	0.123	0.5625	0.54546	1.48E+00	1.01E+00	7.27E-06	3.38E-03	4.43E-02	1.15E-02	3.99E+00	3.71E+00	2.83E+00
3674	475863.09	3851377.25	0.21169	0.59888	0.06838	0.10547	0.144	0.136	0.6081	0.59888	1.48E+00	1.11E+00	7.12E-06	3.71E-03	4.50E-02	1.28E-02	4.31E+00	4.07E+00	2.88E+00
3675	476363.09	3851377.25	0.20634	0.66434	0.07315	0.11744	0.156	0.158	0.683	0.66434	1.44E+00	1.23E+00	7.62E-06	4.13E-03	4.89E-02	1.49E-02	4.84E+00	4.52E+00	3.06E+00
3676	476863.09	3851377.25	0.21641	0.74236	0.08603	0.1141	0.157	0.14	0.7562	0.74236	1.51E+00	1.37E+00	8.96E-06	4.02E-03	4.93E-02	1.31E-02	5.36E+00	5.05E+00	3.26E+00
3677	477363.09	3851377.25	0.23204	0.763	0.08663	0.10682	0.16	0.127	0.7864	0.763	1.62E+00	1.41E+00	9.02E-06	3.76E-03	5.02E-02	1.19E-02	5.57E+00	5.19E+00	3.48E+00
3678	477863.09	3851377.25	0.23717	0.84581	0.07473	0.10995	0.153	0.128	0.8805	0.84581	1.65E+00	1.56E+00	7.78E-06	3.87E-03	4.80E-02	1.20E-02	6.24E+00	5.75E+00	3.77E+00
3679	478363.09	3851377.25	0.26311	0.97996	0.07531	0.11197	0.163	0.131	1.0236	0.97996	1.83E+00	1.81E+00	7.84E-06	3.94E-03	5.11E-02	1.23E-02	7.25E+00	6.66E+00	4.30E+00
3680	478863.09	3851377.25	0.30654	1.10446	0.08162	0.1282	0.164	0.133	1.1272	1.10446	2.14E+00	2.04E+00	8.50E-06	4.51E-03	5.13E-02	1.25E-02	7.99E+00	7.51E+00	4.72E+00
3681	479363.09	3851377.25	0.35283	1.42386	0.07926	0.14527	0.179	0.124	1.4522	1.42386	2.46E+00	2.63E+00	8.25E-06	5.11E-03	5.60E-02	1.16E-02	1.03E+01	9.68E+00	5.77E+00
3682	479863.09	3851377.25	0.41347	1.82815	0.07366	0.14099	0.194	0.117	1.8981	1.82815	2.88E+00	3.38E+00	7.67E-06	4.96E-03	6.09E-02	1.10E-02	1.34E+01	1.24E+01	7.35E+00
3683	480363.09	3851377.25	0.71565	3.03496	0.07105	0.11322	0.179	0.125	3.0891	3.03496	4.99E+00	5.61E+00	7.40E-06	3.98E-03	5.61E-02	1.17E-02	2.19E+01	2.06E+01	1.19E+01
3684	480863.09	3851377.25	1.17499	7.66008	0.07078	0.10877	0.154	0.106	7.8304	7.66008	8.19E+00	1.41E+01	7.37E-06	3.83E-03	4.81E-02	9.96E-03	5.55E+01	5.21E+01	2.58E+01
3685	481363.09	3851377.25	0.69581	2.98388	0.07445	0.1165	0.145	0.112	3.0237	2.98388	4.85E+00	5.51E+00	7.75E-06	4.10E-03	4.55E-02	1.06E-02	2.14E+01	2.03E+01	1.16E+01
3686	481863.09	3851377.25	0.50726	1.67122	0.07731	0.10191	0.157	0.153	1.6986	1.67122	3.54E+00	3.09E+00	8.05E-06	3.59E-03	4.92E-02	1.44E-02	1.20E+01	1.14E+01	7.36E+00
3687	482363.09	3851377.25	0.48599	1.17191	0.12449	0.12109	0.163	0.162	1.1977	1.17191	3.39E+00	2.16E+00	1.30E-05	4.26E-03	5.10E-02	1.52E-02	8.49E+00	7.97E+00	6.14E+00
3688	482863.09	3851377.25	0.40285	0.71766	0.09051	0.13252	0.165	0.157	0.7419	0.71766	2.81E+00	1.33E+00	9.42E-06	4.66E-03	5.17E-02	1.48E-02	5.26E+00	4.88E+00	4.58E+00
3689	483363.09	3851377.25	0.31156	0.53831	0.12209	0.13842	0.181	0.148	0.5487	0.53831	2.17E+00	9.94E-01	1.27E-05	4.87E-03	5.68E-02	1.39E-02	3.89E+00	3.66E+00	3.47E+00
3690	483863.09	3851377.25	0.29107	0.4503	0.11207	0.13733	0.217	0.148	0.453	0.4503	2.03E+00	8.32E-01	1.17E-05	4.83E-03	6.80E-02	1.39E-02	3.21E+00	3.06E+00	3.10E+00
3691	484363.09	3851377.25	0.3116	0.52089	0.09281	0.14606	0.239	0.163	0.5333	0.52089	2.17E+00	9.62E-01	9.66E-06	5.14E-03	7.49E-02	1.53E-02	3.78E+00	3.54E+00	3.47E+00
3692	484863.09	3851377.25	0.30179	0.40295	0.08855	0.16014	0.224	0.157	0.4186	0.40295	2.10E+00	7.44E-01	9.22E-06	5.64E-03	7.02E-02	1.47E-02	2.97E+00	2.74E+00	3.16E+00
3693	485363.09	3851377.25	0.34616	0.4644	0.11935	0.19652	0.221	0.212	0.4762	0.4644	2.41E+00	8.58E-01	1.24E-05	6.92E-03	6.92E-02	1.99E-02	3.37E+00	3.16E+00	3.58E+00
3694	485863.09	3851377.25	0.38047	0.39261	0.12243	0.17039	0.221	0.191	0.4006	0.39261	2.65E+00	7.25E-01	1.27E-05	6.00E-03	6.94E-02	1.79E-02	2.84E+00	2.67E+00	3.64E+00
3695	486363.09	3851377.25	0.41612	0.39209	0.11773	0.20926	0.222	0.189	0.4055	0.39209	2.90E+00	7.24E-01	1.23E-05	7.37E-03	6.96E-02	1.78E-02	2.87E+00	2.67E+00	3.93E+00
3696	486863.09	3851377.25	0.39254	0.35549	0.12492	0.20276	0.226	0.176	0.3578	0.35549	2.74E+00	6.57E-01	1.30E-05	7.14E-03	7.08E-02	1.66E-02	2.54E+00	2.42E+00	3.61E+00
3697	487363.09	3851377.25	0.32927	0.28842	0.1127	0.18201	0.206	0.156	0.2901	0.28842	2.30E+00	5.33E-01	1.17E-05	6.41E-03	6.45E-02	1.47E-02	2.06E+00	1.96E+00	3.01E+00
3698	487863.09	3851377.25	0.36909	0.29906	0.13985	0.18341	0.193	0.164	0.3008	0.29906	2.57E+00	5.52E-01	1.46E-05	6.46E-03	6.05E-02	1.54E-02	2.13E+00	2.03E+00	3.31E+00
3699	488363.09	3851377.25	0.38789	0.29012	0.12056	0.17869	0.184	0.158	0.2925	0.29012	2.70E+00	5.36E-01	1.26E-05	6.29E-03	5.78E-02	1.48E-02	2.07E+00	1.97E+00	3.42E+00
3700	488863.09	3851377.25	0.38321	0.26821	0.15727	0.18215	0.194	0.154	0.272	0.26821	2.67E+00	4.95E-01	1.64E-05	6.41E-03	6.07E-02	1.45E-02	1.93E+00	1.82E+00	3.35E+00
3701	489363.09	3851377.25	0.36293	0.24379	0.16202	0.17311	0.224	0.15	0.2466	0.24379	2.53E+00	4.50E-01	1.69E-05	6.09E-03	7.02E-02	1.41E-02	1.75E+00	1.66E+00	3.16E+00
3702	489863.09	3851377.25	0.35867	0.22553	0.12592	0.15806	0.235	0.152	0.2271	0.22553	2.50E+00	4.17E-01	1.31E-05	5.56E-03	7.38E-02	1.43E-02	1.61E+00	1.53E+00	3.09E+00
3703	490363.09	3851377.25	0.32362	0.20979	0.14473	0.14473	0.241	0.145	0.2111	0.20979	2.26E+00	3.87E-01	1.51E-05	5.09E-03	7.55E-02	1.37E-02	1.50E+00	1.43E+00	2.81E+00
3704	490863.09	3851377.25	0.28085	0.19089	0.14022	0.13923	0.211	0.145	0.1921	0.19089	1.96E+00	3.53E-01	1.46E-05	4.90E-03	6.60E-02	1.37E-02	1.36E+00	1.30E+00	2.46E+00
3705	491363.09	3851377.25	0.24426	0.17275	0.16068	0.13492	0.225	0.144	0.1746	0.17275	1.70E+00	3.19E-01	1.67E-05	4.75E-03	7.03E-02	1.35E-02	1.24E+00	1.17E+00	2.17E+00
3706	491863.09	3851377.25	0.20767	0.16015	0.17322	0.12979	0.212	0.137	0.1636	0.16015	1.45E+00	2.96E-01	1.80E-05	4.57E-03	6.65E-02	1.29E-02	1.16E+00	1.09E+00	1.90E+00
3707	492363.09	3851377.25	0.20686	0.14602	0.17556	0.12785	0.229	0.137	0.1496	0.14602	1.44E+00	2.70E-01	1.83E-05	4.50E-03	7.18E-02	1.29E-02	1.06E+00	9.93E-01	1.87E+00
3708	492863.09	3851377.25	0.18851	0.12488	0.15052	0.12889	0.253	0.131	0.1276	0.12488	1.31E+00	2.31E-01	1.57E-05	4.54E-03	7.92E-02	1.23E-02	9.04E-01	8.49E-01	1.70E+00
3709	493363.09	3851377.25	0.17404	0.09854	0.14693	0.11096	0.256	0.121	0.1007	0.09854	1.21E+00	1.82E-01	1.53E-05	3.91E-03	8.02E-02	1.13E-02	7.14E-01	6.70E-01	1.53E+00
3710	493863.09	3851377.25	0.18362	0.10366	0.14856	0.11916	0.269	0.12	0.106	0.10366	1.28E+00	1.91E-01	1.55E-05	4.19E-03	8.44E-02	1.13E-02	7.51E-01	7.05E-01	1.62E+00
3711	494363.09	3851377.25	0.2129	0.12621	0.17501	0.12838	0.286	0.137	0.1294	0.12621	1.48E+00	2.33E-01	1.82E-05	4.52E-03	8.95E-02	1.29E-02	9.17E-01	8.58E-01	1.88E+00
3712	494863.09	3851377.25	0.22231	0.12549	0.16808	0.13136	0.308	0.146	0.1276	0.12549	1.55E+00	2.32E-01	1.75E-05	4.62E-03	9.66E-02	1.37E-02	9.04E-01	8.53E-01	1.95E+00
3713	495363.09	3851377.25	0.27532	0.13999	0.17112	0.13866	0.308	0.146	0.1468	0.13999	1.92E+00	2.59E-01	1.78E-05	4.88E-03	9.64E-02	1.37E-02	1.04E+00	9.52E-01	2.38E+00

3714	495863.09	3851377.25	0.30567	0.14049	0.18907	0.14531	0.298	0.144	0.1511	0.14049	2.13E+00	2.59E-01	1.97E-05	5.11E-03	9.34E-02	1.35E-02	1.07E+00	9.55E-01	2.62E+00
3715	496363.09	3851377.25	0.31351	0.13943	0.19646	0.15581	0.288	0.145	0.1501	0.13943	2.19E+00	2.58E-01	2.05E-05	5.48E-03	9.01E-02	1.36E-02	1.06E+00	9.48E-01	2.67E+00
3716	496863.09	3851377.25	0.30668	0.13563	0.1924	0.17463	0.323	0.145	0.1457	0.13563	2.14E+00	2.50E-01	2.00E-05	6.15E-03	1.01E-01	1.37E-02	1.03E+00	9.22E-01	2.62E+00
3717	497363.09	3851377.25	0.30186	0.13122	0.2001	0.18695	0.324	0.147	0.1392	0.13122	2.10E+00	2.42E-01	2.08E-05	6.58E-03	1.02E-01	1.38E-02	9.86E-01	8.92E-01	2.56E+00
3718	497863.09	3851377.25	0.27629	0.12744	0.18356	0.16534	0.336	0.137	0.1335	0.12744	1.93E+00	2.35E-01	1.91E-05	5.82E-03	1.05E-01	1.29E-02	9.46E-01	8.67E-01	2.36E+00
3719	498363.09	3851377.25	0.23731	0.11497	0.17771	0.14451	0.3	0.13	0.1196	0.11497	1.65E+00	2.12E-01	1.85E-05	5.09E-03	9.41E-02	1.22E-02	8.47E-01	7.82E-01	2.04E+00
3720	471363.09	3851877.25	0.16747	0.26602	0.06442	0.09423	0.137	0.116	0.2656	0.26602	1.17E+00	4.91E-01	6.71E-06	3.32E-03	4.29E-02	1.09E-02	1.88E+00	1.81E+00	1.79E+00
3721	471863.09	3851877.25	0.17932	0.25275	0.06534	0.10582	0.135	0.118	0.2548	0.25275	1.25E+00	4.67E-01	6.80E-06	3.72E-03	4.21E-02	1.11E-02	1.81E+00	1.72E+00	1.86E+00
3722	472363.09	3851877.25	0.17836	0.28449	0.06688	0.11291	0.139	0.129	0.2868	0.28449	1.24E+00	5.25E-01	6.96E-06	3.97E-03	4.37E-02	1.21E-02	2.03E+00	1.93E+00	1.93E+00
3723	472863.09	3851877.25	0.17761	0.31661	0.06659	0.11005	0.149	0.133	0.3125	0.31661	1.24E+00	5.85E-01	6.93E-06	3.87E-03	4.67E-02	1.25E-02	2.21E+00	2.15E+00	1.95E+00
3724	473363.09	3851877.25	0.1756	0.28762	0.07099	0.10693	0.149	0.131	0.2744	0.28762	1.22E+00	5.31E-01	7.39E-06	3.76E-03	4.67E-02	1.23E-02	1.94E+00	1.96E+00	1.81E+00
3725	473863.09	3851877.25	0.17711	0.2935	0.07937	0.11184	0.144	0.131	0.2778	0.2935	1.23E+00	5.42E-01	8.26E-06	3.94E-03	4.50E-02	1.23E-02	1.97E+00	2.00E+00	1.81E+00
3726	474363.09	3851877.25	0.19782	0.35538	0.07924	0.12125	0.141	0.13	0.3587	0.35538	1.38E+00	6.56E-01	8.25E-06	4.27E-03	4.42E-02	1.22E-02	2.54E+00	2.42E+00	2.22E+00
3727	474863.09	3851877.25	0.22734	0.42047	0.07148	0.12822	0.148	0.128	0.4225	0.42047	1.58E+00	7.77E-01	7.44E-06	4.51E-03	4.63E-02	1.20E-02	2.99E+00	2.86E+00	2.56E+00
3728	475363.09	3851877.25	0.24883	0.47711	0.07387	0.11941	0.163	0.138	0.494	0.47711	1.73E+00	8.81E-01	7.69E-06	4.20E-03	5.11E-02	1.30E-02	3.50E+00	3.24E+00	2.94E+00
3729	475863.09	3851877.25	0.26074	0.50327	0.07444	0.11855	0.161	0.153	0.5377	0.50327	1.82E+00	9.30E-01	7.75E-06	4.17E-03	5.05E-02	1.44E-02	3.81E+00	3.42E+00	3.20E+00
3730	476363.09	3851877.25	0.23591	0.5285	0.07786	0.11383	0.15	0.154	0.5472	0.5285	1.64E+00	9.76E-01	8.11E-06	4.01E-03	4.71E-02	1.45E-02	3.88E+00	3.59E+00	2.97E+00
3731	476863.09	3851877.25	0.24771	0.61273	0.07654	0.12384	0.154	0.155	0.6332	0.61273	1.73E+00	1.13E+00	7.97E-06	4.36E-03	4.84E-02	1.46E-02	4.49E+00	4.17E+00	3.25E+00
3732	477363.09	3851877.25	0.2206	0.66955	0.0796	0.12428	0.167	0.175	0.6863	0.66955	1.54E+00	1.24E+00	8.29E-06	4.37E-03	5.25E-02	1.64E-02	4.86E+00	4.55E+00	3.16E+00
3733	477863.09	3851877.25	0.25681	0.69513	0.09599	0.13488	0.175	0.169	0.7332	0.69513	1.79E+00	1.28E+00	9.99E-06	4.75E-03	5.47E-02	1.59E-02	5.19E+00	4.73E+00	3.62E+00
3734	478363.09	3851877.25	0.25081	0.75783	0.08491	0.13282	0.166	0.156	0.788	0.75783	1.75E+00	1.40E+00	8.84E-06	4.67E-03	5.19E-02	1.46E-02	5.58E+00	5.15E+00	3.65E+00
3735	478863.09	3851877.25	0.27846	0.86803	0.08194	0.12029	0.168	0.144	0.906	0.86803	1.94E+00	1.60E+00	8.53E-06	4.23E-03	5.26E-02	1.35E-02	6.42E+00	5.90E+00	4.13E+00
3736	479363.09	3851877.25	0.26211	0.98611	0.08648	0.13148	0.176	0.141	1.0016	0.98611	1.83E+00	1.82E+00	9.00E-06	4.63E-03	5.51E-02	1.32E-02	7.10E+00	6.71E+00	4.11E+00
3737	479863.09	3851877.25	0.2776	1.15641	0.09198	0.15749	0.189	0.157	1.1575	1.15641	1.94E+00	2.14E+00	9.58E-06	5.54E-03	5.91E-02	1.48E-02	8.20E+00	7.86E+00	4.49E+00
3738	480363.09	3851877.25	0.32794	1.42343	0.08145	0.16911	0.204	0.158	1.4698	1.42343	2.29E+00	2.63E+00	8.48E-06	5.95E-03	6.39E-02	1.49E-02	1.04E+01	9.68E+00	5.74E+00
3739	480863.09	3851877.25	0.43776	1.95543	0.07789	0.14157	0.2	0.142	1.9899	1.95543	3.05E+00	3.61E+00	8.11E-06	4.98E-03	6.26E-02	1.34E-02	1.41E+01	1.33E+01	7.55E+00
3740	481363.09	3851877.25	0.70857	3.76257	0.08793	0.13467	0.172	0.13	3.795	3.76257	4.94E+00	6.95E+00	9.15E-06	4.74E-03	5.40E-02	1.23E-02	2.69E+01	2.56E+01	1.33E+01
3741	481863.09	3851877.25	0.58224	2.7963	0.08588	0.12917	0.155	0.152	2.8183	2.7963	4.06E+00	5.16E+00	8.94E-06	4.55E-03	4.87E-02	1.43E-02	2.00E+01	1.90E+01	1.02E+01
3742	482363.09	3851877.25	0.54927	1.27142	0.14001	0.118	0.17	0.169	1.3541	1.27142	3.83E+00	2.35E+00	1.46E-05	4.15E-03	5.32E-02	1.59E-02	9.59E+00	8.65E+00	7.20E+00
3743	482863.09	3851877.25	0.4731	0.79981	0.09886	0.15201	0.173	0.174	0.8188	0.79981	3.30E+00	1.48E+00	1.03E-05	5.35E-03	5.43E-02	1.63E-02	5.80E+00	5.44E+00	5.21E+00
3744	483363.09	3851877.25	0.40883	0.77823	0.11983	0.15933	0.176	0.172	0.7952	0.77823	2.85E+00	1.44E+00	1.25E-05	5.61E-03	5.50E-02	1.61E-02	5.63E+00	5.29E+00	4.71E+00
3745	483863.09	3851877.25	0.36408	0.6651	0.1481	0.1559	0.207	0.18	0.6801	0.6651	2.54E+00	1.23E+00	1.54E-05	5.49E-03	6.47E-02	1.69E-02	4.82E+00	4.52E+00	4.15E+00
3746	484363.09	3851877.25	0.39158	0.59407	0.11202	0.18886	0.259	0.196	0.6244	0.59407	2.73E+00	1.10E+00	1.17E-05	6.65E-03	8.10E-02	1.85E-02	4.42E+00	4.04E+00	4.32E+00
3747	484863.09	3851877.25	0.43825	0.52051	0.09679	0.20645	0.237	0.238	0.5288	0.52051	3.06E+00	9.61E-01	1.01E-05	7.27E-03	7.41E-02	2.24E-02	3.75E+00	3.54E+00	4.33E+00
3748	485363.09	3851877.25	0.478	0.49995	0.11874	0.2206	0.248	0.245	0.5188	0.49995	3.33E+00	9.23E-01	1.24E-05	7.76E-03	7.77E-02	2.30E-02	3.68E+00	3.40E+00	4.64E+00
3749	485863.09	3851877.25	0.51863	0.47042	0.16554	0.24065	0.231	0.249	0.4865	0.47042	3.62E+00	8.69E-01	1.72E-05	8.47E-03	7.22E-02	2.34E-02	3.45E+00	3.20E+00	4.84E+00
3750	486363.09	3851877.25	0.50463	0.42812	0.16818	0.23612	0.239	0.236	0.4362	0.42812	3.52E+00	7.91E-01	1.75E-05	8.31E-03	7.48E-02	2.22E-02	3.09E+00	2.91E+00	4.59E+00
3751	486863.09	3851877.25	0.47499	0.40488	0.12511	0.24373	0.239	0.214	0.407	0.40488	3.31E+00	7.48E-01	1.30E-05	8.58E-03	7.48E-02	2.02E-02	2.88E+00	2.75E+00	4.29E+00
3752	487363.09	3851877.25	0.45416	0.36607	0.14229	0.24675	0.228	0.209	0.3683	0.36607	3.17E+00	6.76E-01	1.48E-05	8.68E-03	7.14E-02	1.96E-02	2.61E+00	2.49E+00	4.06E+00
3753	487863.09	3851877.25	0.4371	0.30121	0.17522	0.20905	0.215	0.174	0.3032	0.30121	3.05E+00	5.56E-01	1.82E-05	7.36E-03	6.74E-02	1.64E-02	2.15E+00	2.05E+00	3.79E+00
3754	488363.09	3851877.25	0.43568	0.27975	0.18249	0.18957	0.212	0.173	0.2858	0.27975	3.04E+00	5.17E-01	1.90E-05	6.67E-03	6.63E-02	1.63E-02	2.02E+00	1.90E+00	3.77E+00
3755	488863.09	3851877.25	0.3986	0.25481	0.16377	0.16884	0.215	0.163	0.2641	0.25481	2.78E+00	4.71E-01	1.70E-05	5.94E-03	6.74E-02	1.54E-02	1.87E+00	1.73E+00	3.48E+00
3756	489363.09	3851877.25	0.34822	0.23847	0.14158	0.15597	0.251	0.155	0.2469	0.23847	2.43E+00	4.40E-01	1.47E-05	5.49E-03	7.86E-02	1.46E-02	1.75E+00	1.62E+00	3.09E+00
3757	489863.09	3851877.25	0.28812	0.21799	0.16076	0.16435	0.258	0.152	0.2209	0.21799	2.01E+00	4.03E-01	1.67E-05	5.78E-03	8.08E-02	1.43E-02	1.57E+00	1.48E+00	2.60E+00
3758	490363.09	3851877.25	0.28785	0.20023	0.19074	0.15516	0.246	0.151	0.2038	0.20023	2.01E+00	3.70E-01	1.99E-05	5.46E-03	7.72E-02	1.42E-02	1.44E+00	1.36E+00	2.56E+00
3759	490863.09	3851877.25	0.28939	0.18845	0.20662	0.14913	0.245	0.152	0.1922	0.18845	2.02E+00	3.48E-01	2.15E-05	5.25E-03	7.69E-02	1.43E-02	1.36E+00	1.28E+00	2.54E+00
3760	491363.09	3851877.25	0.29016	0.17685	0.20893	0.15525	0.233	0.157	0.1821	0.17685	2.02E+00	3.27E-01	2.18E-05	5.46E-03	7.29E-02	1.48E-02	1.29E+00	1.20E+00	2.53E+00
3761	491863.09	3851877.25	0.27651	0.17399	0.21367	0.15534	0.25	0.16	0.1799	0.17399	1.93E+00	3.21E-01	2.22E-05	5.47E-03	7.84E-02	1.50E-02	1.27E+00	1.18E+00	2.44E+00
3762	492363.09	3851877.25	0.24788	0.1614	0.21204	0.1471	0.29	0.152	0.1671	0.1614	1.73E+00	2.98E-01	2.21E-05	5.18E-03	9.10E-02	1.43E-02	1.18E+00	1.10E+00	2.22E+00
3763	492863.09	3851877.25	0.20484	0.11989	0.17533	0.13008	0.283	0.134	0.1235	0.11989	1.43E+00	2.21E-01	1.83E-05	4.58E-03	8.87E-02	1.26E-02	8.75E-01	8.15E-01	1.82E+00
3764	493363.09	3851877.25	0.23896	0.15339	0.20245	0.14276	0.339	0.155	0.1579	0.15339	1.67E+00	2.83E-01	2.11E-05	5.02E-03	1.06E-01	1.45E-02	1.12E+00	1.04E+00	2.15E+00
3765	493863.09	3851877.25	0.33193	0.17258	0.20948	0.16415	0.328	0.169	0.1787	0.17258	2.31E+00	3.19E-01	2.18E-05	5.78E-03	1.03E-01	1.59E-02	1.27E+00	1.17E+00	2.85E+00
3766	494363.09	3851877.25	0.30344	0.1574	0.19779	0.15407	0.336	0.161	0.1646	0.1574	2.12E+00	2.91E-01	2.06E-05	5.42E-03	1.05E-01	1.52E-02	1.17E+00	1.07E+00	2.63E+00
3767	494863.09	3851877.25	0.35619	0.16689	0.23407	0.15801	0.342	0.161	0.1716	0.16689	2.48E+00	3.08E-01	2.44E-05	5.56E-03	1.07E-01	1.51E-02	1.22E+00	1.13E+00	3.00E+00
3768	495363.09	3851877.25	0.38554	0.16853	0.24982	0.16748	0.353	0.16	0.1744	0.16853	2.69E+00	3.11E-01	2.60E-05	5.89E-03	1.10E-01	1.51E-02	1.24E+00	1.15E+00	3.22E+00
3769	495863.09	3851877.25	0.3946	0.16731	0.25102	0.1877	0.338	0.165	0.1722	0.16731	2.75E+00	3.09E-01	2.61E-05	6.61E-03	1.06E-01	1.55E-02	1.22E+00	1.14E+00	3.27E+00
3770	496363.09	3851877.25	0.38343	0.15859	0.24159	0.19927	0.355	0.169	0.1619	0.15859	2.67E+00	2.93E-01	2.52E-05	7.01E-03	1.11E-01	1.59E-02	1.15E+00	1.08E+00	3.17E+00
3771	496863.09	3851877.25	0.36366	0.14774	0.22693	0.19989	0.397	0.165	0.1529	0.14774	2.54E+00	2.73E-01	2.36E-05	7.04E-03	1.24E-01	1.55E-02	1.08E+00	1.00E+00	3.03E+00
3772	497363.09	3851877.25	0.32917	0.13889	0.21576	0.18332	0.35	0.164	0.1459	0.13889	2.29E+00	2.57E-01	2.25E-05	6.45E-03	1.10E-01	1.54E-02	1.03E+00	9.44E-01	2.77E+00

3773	497863.09	3851877.25	0.27367	0.12521	0.19859	0.1646	0.359	0.137	0.1309	0.12521	1.91E+00	2.31E-01	2.07E-05	5.79E-03	1.13E-01	1.29E-02	9.27E-01	8.51E-01	2.35E+00
3774	498363.09	3851877.25	0.24125	0.11682	0.17809	0.14999	0.35	0.134	0.1185	0.11682	1.68E+00	2.16E-01	1.85E-05	5.28E-03	1.10E-01	1.26E-02	8.40E-01	7.94E-01	2.07E+00
3775	471363.09	3852377.25	0.18762	0.20199	0.08199	0.09106	0.154	0.106	0.2053	0.20199	1.31E+00	3.73E-01	8.54E-06	3.20E-03	4.82E-02	9.98E-03	1.45E+00	1.37E+00	1.82E+00
3776	471863.09	3852377.25	0.19064	0.23349	0.082	0.09106	0.152	0.113	0.2392	0.23349	1.33E+00	4.31E-01	8.54E-06	3.20E-03	4.75E-02	1.06E-02	1.69E+00	1.59E+00	1.93E+00
3777	472363.09	3852377.25	0.18686	0.24899	0.08085	0.10191	0.149	0.125	0.2513	0.24899	1.30E+00	4.60E-01	8.42E-06	3.59E-03	4.68E-02	1.18E-02	1.78E+00	1.69E+00	1.91E+00
3778	472863.09	3852377.25	0.19303	0.27201	0.07749	0.11315	0.153	0.13	0.2703	0.27201	1.35E+00	5.02E-01	8.07E-06	3.98E-03	4.79E-02	1.22E-02	1.92E+00	1.85E+00	1.98E+00
3779	473363.09	3852377.25	0.2008	0.27753	0.07505	0.13132	0.147	0.136	0.2836	0.27753	1.40E+00	5.13E-01	7.81E-06	4.62E-03	4.60E-02	1.28E-02	2.01E+00	1.89E+00	2.10E+00
3780	473863.09	3852377.25	0.19772	0.27253	0.07534	0.13108	0.154	0.144	0.2791	0.27253	1.38E+00	5.03E-01	7.84E-06	4.61E-03	4.82E-02	1.35E-02	1.98E+00	1.85E+00	2.07E+00
3781	474363.09	3852377.25	0.19715	0.27211	0.07651	0.13009	0.162	0.145	0.2701	0.27211	1.37E+00	5.03E-01	7.97E-06	4.58E-03	5.07E-02	1.36E-02	1.91E+00	1.85E+00	2.01E+00
3782	474863.09	3852377.25	0.20459	0.37221	0.08358	0.13187	0.17	0.146	0.3768	0.37221	1.43E+00	6.87E-01	8.70E-06	4.64E-03	5.33E-02	1.37E-02	2.67E+00	2.53E+00	2.32E+00
3783	475363.09	3852377.25	0.21096	0.37585	0.09065	0.13274	0.161	0.149	0.3808	0.37585	1.47E+00	6.94E-01	9.44E-06	4.67E-03	5.04E-02	1.40E-02	2.70E+00	2.56E+00	2.38E+00
3784	475863.09	3852377.25	0.23294	0.37596	0.09172	0.14628	0.157	0.144	0.3766	0.37596	1.62E+00	6.94E-01	9.55E-06	5.15E-03	4.91E-02	1.36E-02	2.67E+00	2.56E+00	2.50E+00
3785	476363.09	3852377.25	0.25837	0.37797	0.08128	0.14729	0.173	0.153	0.3958	0.37797	1.80E+00	6.98E-01	8.46E-06	5.18E-03	5.43E-02	1.44E-02	2.80E+00	2.57E+00	2.81E+00
3786	476863.09	3852377.25	0.28188	0.43094	0.08757	0.14066	0.177	0.174	0.4364	0.43094	1.97E+00	7.96E-01	9.12E-06	4.95E-03	5.54E-02	1.63E-02	3.09E+00	2.93E+00	3.00E+00
3787	477363.09	3852377.25	0.28827	0.43464	0.0958	0.13159	0.172	0.19	0.4512	0.43464	2.01E+00	8.03E-01	9.97E-06	4.63E-03	5.40E-02	1.79E-02	3.20E+00	2.96E+00	3.13E+00
3788	477863.09	3852377.25	0.27715	0.32057	0.08477	0.14089	0.171	0.182	0.3393	0.32057	1.93E+00	5.92E-01	8.83E-06	4.96E-03	5.36E-02	1.71E-02	2.40E+00	2.18E+00	2.82E+00
3789	478363.09	3852377.25	0.23898	0.30008	0.09578	0.12423	0.175	0.192	0.3578	0.30008	1.67E+00	5.54E-01	9.97E-06	4.37E-03	5.49E-02	1.81E-02	2.54E+00	2.04E+00	2.79E+00
3790	478863.09	3852377.25	0.30022	0.40723	0.10671	0.14646	0.186	0.2	0.4359	0.40723	2.09E+00	7.52E-01	1.11E-05	5.15E-03	5.84E-02	1.88E-02	3.09E+00	2.77E+00	3.25E+00
3791	479363.09	3852377.25	0.28648	0.47881	0.09695	0.15942	0.179	0.183	0.5156	0.47881	2.00E+00	8.84E-01	1.01E-05	5.61E-03	5.61E-02	1.72E-02	3.65E+00	3.26E+00	3.36E+00
3792	479863.09	3852377.25	0.29216	0.80356	0.09651	0.1465	0.19	0.169	0.821	0.80356	2.04E+00	1.48E+00	1.00E-05	5.16E-03	5.94E-02	1.59E-02	5.82E+00	5.46E+00	3.95E+00
3793	480363.09	3852377.25	0.26281	1.03584	0.10443	0.16964	0.194	0.175	1.0045	1.03584	1.83E+00	1.91E+00	1.09E-05	5.97E-03	6.09E-02	1.64E-02	7.12E+00	7.04E+00	3.90E+00
3794	480863.09	3852377.25	0.28493	1.2309	0.09728	0.21071	0.223	0.186	1.2235	1.2309	1.99E+00	2.27E+00	1.01E-05	7.42E-03	7.00E-02	1.75E-02	8.67E+00	8.37E+00	4.65E+00
3795	481363.09	3852377.25	0.38087	1.79344	0.09189	0.18037	0.234	0.187	1.8261	1.79344	2.66E+00	3.31E+00	9.57E-06	6.35E-03	7.33E-02	1.75E-02	1.29E+01	1.22E+01	6.81E+00
3796	481863.09	3852377.25	0.68618	4.16048	0.09655	0.18141	0.199	0.174	4.216	4.16048	4.78E+00	7.68E+00	1.01E-05	6.38E-03	6.23E-02	1.64E-02	2.99E+01	2.83E+01	1.41E+01
3797	482363.09	3852377.25	0.54468	2.08276	0.12716	0.15466	0.17	0.203	2.1303	2.08276	3.80E+00	3.85E+00	1.32E-05	5.44E-03	5.33E-02	1.91E-02	1.51E+01	1.42E+01	8.65E+00
3798	482863.09	3852377.25	0.44363	1.07417	0.14281	0.19228	0.19	0.192	1.1614	1.07417	3.09E+00	1.98E+00	1.49E-05	6.77E-03	5.94E-02	1.80E-02	8.23E+00	7.30E+00	6.09E+00
3799	483363.09	3852377.25	0.46677	0.638	0.12839	0.18738	0.186	0.224	0.7071	0.638	3.25E+00	1.18E+00	1.34E-05	6.60E-03	5.82E-02	2.11E-02	5.01E+00	4.34E+00	5.19E+00
3800	483863.09	3852377.25	0.43092	0.62318	0.15554	0.20638	0.199	0.206	0.6477	0.62318	3.00E+00	1.15E+00	1.62E-05	7.26E-03	6.22E-02	1.93E-02	4.59E+00	4.24E+00	4.60E+00
3801	484363.09	3852377.25	0.47274	0.66197	0.12458	0.23569	0.237	0.284	0.6827	0.66197	3.30E+00	1.22E+00	1.30E-05	8.30E-03	7.42E-02	2.67E-02	4.84E+00	4.50E+00	4.96E+00
3802	484863.09	3852377.25	0.54974	0.63663	0.11809	0.28164	0.279	0.317	0.6815	0.63663	3.83E+00	1.18E+00	1.23E-05	9.91E-03	8.73E-02	2.98E-02	4.83E+00	4.33E+00	5.64E+00
3803	485363.09	3852377.25	0.59546	0.56913	0.22002	0.29174	0.272	0.346	0.6089	0.56913	4.15E+00	1.05E+00	2.29E-05	1.03E-02	8.52E-02	3.26E-02	4.31E+00	3.87E+00	5.77E+00
3804	485863.09	3852377.25	0.62822	0.50343	0.21634	0.2995	0.273	0.34	0.5295	0.50343	4.38E+00	9.30E-01	2.25E-05	1.05E-02	8.55E-02	3.20E-02	3.75E+00	3.42E+00	5.77E+00
3805	486363.09	3852377.25	0.58918	0.42007	0.16119	0.29732	0.265	0.28	0.4234	0.42007	4.11E+00	7.76E-01	1.68E-05	1.05E-02	8.30E-02	2.63E-02	3.00E+00	2.86E+00	5.15E+00
3806	486863.09	3852377.25	0.58797	0.36747	0.16551	0.29264	0.261	0.26	0.3709	0.36747	4.10E+00	6.79E-01	1.72E-05	1.03E-02	8.18E-02	2.44E-02	2.63E+00	2.50E+00	5.02E+00
3807	487363.09	3852377.25	0.5355	0.33621	0.1906	0.26001	0.245	0.207	0.3404	0.33621	3.73E+00	6.21E-01	1.98E-05	9.15E-03	7.66E-02	1.95E-02	2.41E+00	2.29E+00	4.59E+00
3808	487863.09	3852377.25	0.49212	0.30122	0.22796	0.22117	0.235	0.186	0.306	0.30122	3.43E+00	5.56E-01	2.37E-05	7.78E-03	7.36E-02	1.75E-02	2.17E+00	2.05E+00	4.21E+00
3809	488363.09	3852377.25	0.43459	0.27883	0.21615	0.18697	0.227	0.176	0.2809	0.27883	3.03E+00	5.15E-01	2.25E-05	6.58E-03	7.11E-02	1.65E-02	1.99E+00	1.90E+00	3.73E+00
3810	488863.09	3852377.25	0.34211	0.24492	0.2063	0.18671	0.239	0.169	0.2473	0.24492	2.39E+00	4.52E-01	2.15E-05	6.57E-03	7.48E-02	1.59E-02	1.75E+00	1.67E+00	3.02E+00
3811	489363.09	3852377.25	0.281	0.22124	0.22306	0.15683	0.275	0.173	0.2309	0.22124	1.96E+00	4.09E-01	2.32E-05	5.52E-03	8.63E-02	1.62E-02	1.64E+00	1.50E+00	2.61E+00
3812	489863.09	3852377.25	0.24804	0.19574	0.19677	0.15235	0.266	0.157	0.1985	0.19574	1.73E+00	3.62E-01	2.05E-05	5.36E-03	8.34E-02	1.48E-02	1.41E+00	1.33E+00	2.27E+00
3813	490363.09	3852377.25	0.26521	0.19824	0.23926	0.15942	0.245	0.163	0.2055	0.19824	1.85E+00	3.66E-01	2.49E-05	5.61E-03	7.68E-02	1.53E-02	1.46E+00	1.35E+00	2.42E+00
3814	490863.09	3852377.25	0.28847	0.19592	0.26102	0.16744	0.264	0.171	0.2017	0.19592	2.01E+00	3.62E-01	2.72E-05	5.89E-03	8.27E-02	1.61E-02	1.43E+00	1.33E+00	2.57E+00
3815	491363.09	3852377.25	0.37802	0.22481	0.26252	0.1973	0.276	0.177	0.2371	0.22481	2.64E+00	4.15E-01	2.73E-05	6.94E-03	8.64E-02	1.67E-02	1.68E+00	1.53E+00	3.31E+00
3816	491863.09	3852377.25	0.38439	0.21854	0.24486	0.19312	0.352	0.178	0.2244	0.21854	2.68E+00	4.04E-01	2.55E-05	6.80E-03	1.10E-01	1.68E-02	1.59E+00	1.49E+00	3.32E+00
3817	492363.09	3852377.25	0.38246	0.20354	0.26568	0.1884	0.443	0.175	0.2064	0.20354	2.67E+00	3.76E-01	2.77E-05	6.63E-03	1.39E-01	1.65E-02	1.46E+00	1.38E+00	3.28E+00
3818	492863.09	3852377.25	0.40506	0.19404	0.27317	0.18569	0.462	0.181	0.2055	0.19404	2.82E+00	3.58E-01	2.84E-05	6.54E-03	1.45E-01	1.70E-02	1.46E+00	1.32E+00	3.49E+00
3819	493363.09	3852377.25	0.46433	0.20408	0.30278	0.20664	0.382	0.208	0.2166	0.20408	3.24E+00	3.77E-01	3.15E-05	7.27E-03	1.20E-01	1.96E-02	1.53E+00	1.39E+00	3.91E+00
3820	493863.09	3852377.25	0.45227	0.198	0.29971	0.19721	0.378	0.205	0.2082	0.198	3.15E+00	3.66E-01	3.12E-05	6.94E-03	1.19E-01	1.93E-02	1.48E+00	1.35E+00	3.79E+00
3821	494363.09	3852377.25	0.43378	0.18903	0.29608	0.19339	0.374	0.184	0.196	0.18903	3.02E+00	3.49E-01	3.08E-05	6.81E-03	1.17E-01	1.73E-02	1.39E+00	1.29E+00	3.62E+00
3822	494863.09	3852377.25	0.46204	0.19123	0.28594	0.19258	0.38	0.198	0.2003	0.19123	3.22E+00	3.53E-01	2.98E-05	6.78E-03	1.19E-01	1.86E-02	1.42E+00	1.30E+00	3.84E+00
3823	495363.09	3852377.25	0.47281	0.20011	0.29345	0.21341	0.381	0.196	0.2054	0.20011	3.30E+00	3.70E-01	3.05E-05	7.51E-03	1.19E-01	1.84E-02	1.46E+00	1.36E+00	3.91E+00
3824	495863.09	3852377.25	0.45143	0.18558	0.25892	0.21821	0.44	0.188	0.1922	0.18558	3.15E+00	3.43E-01	2.70E-05	7.68E-03	1.38E-01	1.77E-02	1.36E+00	1.26E+00	3.75E+00
3825	496363.09	3852377.25	0.42991	0.17107	0.26864	0.22141	0.417	0.175	0.1758	0.17107	3.00E+00	3.16E-01	2.80E-05	7.79E-03	1.31E-01	1.65E-02	1.25E+00	1.16E+00	3.55E+00
3826	496863.09	3852377.25	0.40012	0.16067	0.2262	0.20404	0.422	0.17	0.1665	0.16067	2.79E+00	2.97E-01	2.35E-05	7.18E-03	1.32E-01	1.59E-02	1.18E+00	1.09E+00	3.33E+00
3827	497363.09	3852377.25	0.31693	0.14326	0.20265	0.16956	0.439	0.159	0.1511	0.14326	2.21E+00	2.65E-01	2.11E-05	5.97E-03	1.38E-01	1.50E-02	1.07E+00	9.74E-01	2.73E+00
3828	497863.09	3852377.25	0.27324	0.12829	0.17798	0.15632	0.427	0.142	0.1337	0.12829	1.90E+00	2.37E-01	1.85E-05	5.50E-03	1.34E-01	1.34E-02	9.47E-01	8.72E-01	2.37E+00
3829	498363.09	3852377.25	0.23506	0.1084	0.16972	0.14243	0.425	0.139	0.1111	0.1084	1.64E+00	2.00E-01	1.77E-05	5.01E-03	1.33E-01	1.30E-02	7.87E-01	7.37E-01	2.04E+00
3830	471363.09	3852877.25	0.17815	0.20421	0.08208	0.10316	0.17	0.116	0.2061	0.20421	1.24E+00	3.77E-01	8.55E-06	3.63E-03	5.32E-02	1.09E-02	1.46E+00	1.39E+00	1.76E+00
3831	471863.09	3852877.25	0.19092	0.21849	0.0842	0.10403	0.173	0.114	0.2226	0.21849	1.33E+00	4.04E-01	8.77E-06	3.66E-03	5.42E-02	1.07E-02	1.58E+00	1.49E+00	1.89E+00

3832	472363.09	3852877.25	0.2029	0.2313	0.08882	0.10694	0.176	0.122	0.2324	0.2313	1.41E+00	4.27E-01	9.25E-06	3.76E-03	5.50E-02	1.14E-02	1.65E+00	1.57E+00	1.99E+00
3833	472863.09	3852877.25	0.21492	0.24971	0.09091	0.10916	0.174	0.123	0.2526	0.24971	1.50E+00	4.61E-01	9.46E-06	3.84E-03	5.46E-02	1.16E-02	1.79E+00	1.70E+00	2.12E+00
3834	473363.09	3852877.25	0.21335	0.26709	0.09219	0.11025	0.18	0.13	0.2699	0.26709	1.49E+00	4.93E-01	9.60E-06	3.88E-03	5.65E-02	1.22E-02	1.91E+00	1.82E+00	2.15E+00
3835	473863.09	3852877.25	0.22028	0.28489	0.09478	0.12266	0.168	0.14	0.2884	0.28489	1.54E+00	5.26E-01	9.87E-06	4.32E-03	5.27E-02	1.32E-02	2.04E+00	1.94E+00	2.24E+00
3836	474363.09	3852877.25	0.22689	0.30255	0.09205	0.14151	0.174	0.149	0.3121	0.30255	1.58E+00	5.59E-01	9.58E-06	4.98E-03	5.46E-02	1.40E-02	2.21E+00	2.06E+00	2.37E+00
3837	474863.09	3852877.25	0.22445	0.26452	0.09567	0.14742	0.164	0.151	0.2749	0.26452	1.56E+00	4.89E-01	9.96E-06	5.19E-03	5.14E-02	1.42E-02	1.95E+00	1.80E+00	2.27E+00
3838	475363.09	3852877.25	0.21676	0.29831	0.09376	0.15106	0.175	0.152	0.3007	0.29831	1.51E+00	5.51E-01	9.76E-06	5.32E-03	5.47E-02	1.43E-02	2.13E+00	2.03E+00	2.24E+00
3839	475863.09	3852877.25	0.21924	0.30341	0.09572	0.14652	0.176	0.155	0.3063	0.30341	1.53E+00	5.60E-01	9.97E-06	5.16E-03	5.52E-02	1.45E-02	2.17E+00	2.06E+00	2.27E+00
3840	476363.09	3852877.25	0.22364	0.26785	0.09754	0.1498	0.199	0.16	0.2764	0.26785	1.56E+00	4.95E-01	1.02E-05	5.27E-03	6.23E-02	1.50E-02	1.96E+00	1.82E+00	2.27E+00
3841	476863.09	3852877.25	0.23628	0.24499	0.10536	0.15096	0.17	0.161	0.2496	0.24499	1.65E+00	4.52E-01	1.10E-05	5.31E-03	5.32E-02	1.51E-02	1.77E+00	1.67E+00	2.28E+00
3842	477363.09	3852877.25	0.25422	0.24736	0.10631	0.16373	0.182	0.167	0.2479	0.24736	1.77E+00	4.57E-01	1.11E-05	5.76E-03	5.70E-02	1.57E-02	1.76E+00	1.68E+00	2.38E+00
3843	477863.09	3852877.25	0.27747	0.22168	0.10536	0.16076	0.195	0.185	0.2425	0.22168	1.93E+00	4.09E-01	1.10E-05	5.66E-03	6.11E-02	1.74E-02	1.72E+00	1.51E+00	2.64E+00
3844	478363.09	3852877.25	0.28824	0.18745	0.1079	0.15372	0.185	0.177	0.1978	0.18745	2.01E+00	3.46E-01	1.12E-05	5.41E-03	5.81E-02	1.66E-02	1.40E+00	1.27E+00	2.56E+00
3845	478863.09	3852877.25	0.29001	0.19023	0.09333	0.1653	0.186	0.199	0.2207	0.19023	2.02E+00	3.51E-01	9.72E-06	5.82E-03	5.83E-02	1.87E-02	1.56E+00	1.29E+00	2.73E+00
3846	479363.09	3852877.25	0.30106	0.26865	0.11387	0.20612	0.196	0.22	0.3165	0.26865	2.10E+00	4.96E-01	1.19E-05	7.25E-03	6.15E-02	2.07E-02	2.24E+00	1.83E+00	3.10E+00
3847	479863.09	3852877.25	0.33068	0.43416	0.11833	0.17955	0.209	0.23	0.4719	0.43416	2.31E+00	8.02E-01	1.23E-05	6.32E-03	6.53E-02	2.16E-02	3.34E+00	2.95E+00	3.59E+00
3848	480363.09	3852877.25	0.32215	0.74486	0.10726	0.22986	0.199	0.238	0.7977	0.74486	2.25E+00	1.38E+00	1.12E-05	8.09E-03	6.24E-02	2.24E-02	5.65E+00	5.06E+00	4.30E+00
3849	480863.09	3852877.25	0.31571	0.91417	0.11922	0.18472	0.213	0.228	0.9338	0.91417	2.20E+00	1.69E+00	1.24E-05	6.50E-03	6.67E-02	2.14E-02	6.62E+00	6.22E+00	4.38E+00
3850	481363.09	3852877.25	0.3368	1.16376	0.11696	0.24778	0.241	0.24	1.143	1.16376	2.35E+00	2.15E+00	1.22E-05	8.72E-03	7.55E-02	2.26E-02	8.10E+00	7.91E+00	4.79E+00
3851	481863.09	3852877.25	0.40474	1.69287	0.11915	0.24869	0.262	0.232	1.7526	1.69287	2.82E+00	3.13E+00	1.24E-05	8.75E-03	8.20E-02	2.18E-02	1.24E+01	1.15E+01	6.97E+00
3852	482363.09	3852877.25	0.88748	4.5831	0.13339	0.23821	0.24	0.288	4.7162	4.5831	6.19E+00	8.46E+00	1.39E-05	8.38E-03	7.51E-02	2.71E-02	3.34E+01	3.12E+01	1.70E+01
3853	482863.09	3852877.25	0.5938	2.1042	0.20263	0.23068	0.208	0.252	2.1535	2.1042	4.14E+00	3.89E+00	2.11E-05	8.12E-03	6.51E-02	2.37E-02	1.53E+01	1.43E+01	9.07E+00
3854	483363.09	3852877.25	0.4928	0.99398	0.14534	0.226	0.212	0.299	1.0943	0.99398	3.44E+00	1.84E+00	1.51E-05	7.95E-03	6.65E-02	2.81E-02	7.75E+00	6.76E+00	6.37E+00
3855	483863.09	3852877.25	0.57512	0.52042	0.18616	0.29108	0.213	0.324	0.5733	0.52042	4.01E+00	9.61E-01	1.94E-05	1.02E-02	6.66E-02	3.05E-02	4.06E+00	3.54E+00	5.60E+00
3856	484363.09	3852877.25	0.61983	0.54709	0.14855	0.34835	0.229	0.377	0.6327	0.54709	4.32E+00	1.01E+00	1.55E-05	1.23E-02	7.19E-02	3.54E-02	4.48E+00	3.72E+00	6.21E+00
3857	484863.09	3852877.25	0.73744	0.57991	0.1786	0.39028	0.297	0.511	0.6729	0.57991	5.14E+00	1.07E+00	1.86E-05	1.37E-02	9.30E-02	4.80E-02	4.77E+00	3.94E+00	7.19E+00
3858	485363.09	3852877.25	0.77119	0.48458	0.21082	0.362	0.297	0.377	0.5106	0.48458	5.38E+00	8.95E-01	2.19E-05	1.27E-02	9.31E-02	3.54E-02	3.62E+00	3.30E+00	6.74E+00
3859	485863.09	3852877.25	0.75072	0.46078	0.1958	0.35418	0.297	0.331	0.4881	0.46078	5.23E+00	8.51E-01	2.04E-05	1.25E-02	9.30E-02	3.11E-02	3.46E+00	3.13E+00	6.55E+00
3860	486363.09	3852877.25	0.66623	0.39721	0.21965	0.29893	0.309	0.268	0.4097	0.39721	4.64E+00	7.34E-01	2.29E-05	1.05E-02	9.68E-02	2.52E-02	2.90E+00	2.70E+00	5.71E+00
3861	486863.09	3852877.25	0.64126	0.3793	0.19445	0.27459	0.286	0.232	0.3901	0.3793	4.47E+00	7.01E-01	2.02E-05	9.66E-03	8.95E-02	2.18E-02	2.76E+00	2.58E+00	5.48E+00
3862	487363.09	3852877.25	0.55293	0.32501	0.24046	0.24023	0.274	0.21	0.3297	0.32501	3.85E+00	6.00E-01	2.50E-05	8.46E-03	8.60E-02	1.97E-02	2.34E+00	2.21E+00	4.70E+00
3863	487863.09	3852877.25	0.48518	0.28612	0.302	0.21544	0.254	0.2	0.2923	0.28612	3.38E+00	5.28E-01	3.14E-05	7.58E-03	7.94E-02	1.88E-02	2.07E+00	1.95E+00	4.14E+00
3864	488363.09	3852877.25	0.27316	0.21371	0.27485	0.16932	0.241	0.176	0.2187	0.21371	1.90E+00	3.95E-01	2.86E-05	5.96E-03	7.56E-02	1.65E-02	1.55E+00	1.45E+00	2.49E+00
3865	488863.09	3852877.25	0.28442	0.21679	0.2588	0.17965	0.286	0.182	0.2186	0.21679	1.98E+00	4.00E-01	2.69E-05	6.32E-03	8.97E-02	1.71E-02	1.55E+00	1.47E+00	2.57E+00
3866	489363.09	3852877.25	0.27729	0.20989	0.26015	0.17449	0.302	0.176	0.2144	0.20989	1.93E+00	3.88E-01	2.71E-05	6.14E-03	9.47E-02	1.65E-02	1.52E+00	1.43E+00	2.53E+00
3867	489863.09	3852877.25	0.27839	0.20163	0.28367	0.17087	0.29	0.169	0.2067	0.20163	1.94E+00	3.72E-01	2.95E-05	6.01E-03	9.09E-02	1.59E-02	1.46E+00	1.37E+00	2.52E+00
3868	490363.09	3852877.25	0.4349	0.23058	0.28835	0.20923	0.292	0.193	0.2377	0.23058	3.03E+00	4.26E-01	3.00E-05	7.36E-03	9.16E-02	1.81E-02	1.68E+00	1.57E+00	3.69E+00
3869	490863.09	3852877.25	0.47469	0.22646	0.31216	0.21934	0.317	0.208	0.2406	0.22646	3.31E+00	4.18E-01	3.25E-05	7.72E-03	9.94E-02	1.96E-02	1.70E+00	1.54E+00	4.02E+00
3870	491363.09	3852877.25	0.49782	0.22867	0.38025	0.24025	0.43	0.203	0.2483	0.22867	3.47E+00	4.22E-01	3.96E-05	8.46E-03	1.35E-01	1.91E-02	1.76E+00	1.55E+00	4.26E+00
3871	491863.09	3852877.25	0.51934	0.22894	0.37636	0.23799	0.493	0.208	0.2515	0.22894	3.62E+00	4.23E-01	3.92E-05	8.38E-03	1.55E-01	1.96E-02	1.78E+00	1.56E+00	4.45E+00
3872	492363.09	3852877.25	0.5419	0.23691	0.37071	0.24308	0.597	0.211	0.2585	0.23691	3.78E+00	4.38E-01	3.86E-05	8.56E-03	1.87E-01	1.99E-02	1.83E+00	1.61E+00	4.65E+00
3873	492863.09	3852877.25	0.6053	0.2373	0.36323	0.27294	0.449	0.227	0.2638	0.2373	4.22E+00	4.38E-01	3.78E-05	9.61E-03	1.41E-01	2.14E-02	1.87E+00	1.61E+00	5.09E+00
3874	493363.09	3852877.25	0.63008	0.23524	0.34326	0.27572	0.477	0.243	0.2605	0.23524	4.39E+00	4.34E-01	3.57E-05	9.70E-03	1.50E-01	2.29E-02	1.85E+00	1.60E+00	5.26E+00
3875	493863.09	3852877.25	0.59948	0.22489	0.33305	0.26669	0.451	0.236	0.244	0.22489	4.18E+00	4.15E-01	3.47E-05	9.39E-03	1.41E-01	2.22E-02	1.73E+00	1.53E+00	4.97E+00
3876	494363.09	3852877.25	0.59647	0.21174	0.33079	0.23298	0.412	0.23	0.2353	0.21174	4.16E+00	3.91E-01	3.44E-05	8.20E-03	1.29E-01	2.16E-02	1.67E+00	1.44E+00	4.94E+00
3877	494863.09	3852877.25	0.60336	0.2075	0.31269	0.24658	0.472	0.229	0.2267	0.2075	4.21E+00	3.83E-01	3.26E-05	8.68E-03	1.48E-01	2.15E-02	1.61E+00	1.41E+00	4.96E+00
3878	495363.09	3852877.25	0.56568	0.19667	0.28663	0.25588	0.476	0.21	0.2179	0.19667	3.94E+00	3.63E-01	2.98E-05	9.01E-03	1.49E-01	1.97E-02	1.54E+00	1.34E+00	4.69E+00
3879	495863.09	3852877.25	0.50518	0.18779	0.27932	0.2583	0.491	0.197	0.2056	0.18779	3.52E+00	3.47E-01	2.91E-05	9.09E-03	1.54E-01	1.85E-02	1.46E+00	1.28E+00	4.23E+00
3880	496363.09	3852877.25	0.49032	0.17868	0.25325	0.23199	0.537	0.191	0.1897	0.17868	3.42E+00	3.30E-01	2.64E-05	8.17E-03	1.68E-01	1.80E-02	1.34E+00	1.21E+00	4.07E+00
3881	496863.09	3852877.25	0.45425	0.1676	0.24669	0.20847	0.547	0.185	0.1799	0.1676	3.17E+00	3.10E-01	2.57E-05	7.34E-03	1.71E-01	1.74E-02	1.27E+00	1.14E+00	3.81E+00
3882	497363.09	3852877.25	0.3104	0.1384	0.21703	0.1757	0.578	0.172	0.1517	0.1384	2.16E+00	2.56E-01	2.26E-05	6.18E-03	1.81E-01	1.62E-02	1.07E+00	9.41E-01	2.76E+00
3883	497863.09	3852877.25	0.22761	0.1031	0.17928	0.14102	0.547	0.132	0.1047	0.1031	1.59E+00	1.90E-01	1.87E-05	4.96E-03	1.71E-01	1.24E-02	7.42E-01	7.01E-01	2.01E+00
3884	498363.09	3852877.25	0.22235	0.09225	0.17592	0.1382	0.526	0.132	0.0969	0.09225	1.55E+00	1.70E-01	1.83E-05	4.86E-03	1.65E-01	1.24E-02	6.86E-01	6.27E-01	1.96E+00
3885	471363.09	3853377.25	0.18481	0.20089	0.08129	0.10878	0.189	0.116	0.2188	0.20089	1.29E+00	3.71E-01	8.46E-06	3.83E-03	5.93E-02	1.09E-02	1.55E+00	1.37E+00	1.92E+00
3886	471863.09	3853377.25	0.18595	0.20956	0.08297	0.10964	0.195	0.118	0.2274	0.20956	1.30E+00	3.87E-01	8.64E-06	3.86E-03	6.10E-02	1.11E-02	1.61E+00	1.42E+00	1.95E+00
3887	472363.09	3853377.25	0.18942	0.22321	0.08646	0.1114	0.187	0.124	0.232	0.22321	1.32E+00	4.12E-01	9.00E-06	3.92E-03	5.87E-02	1.17E-02	1.64E+00	1.52E+00	1.93E+00
3888	472863.09	3853377.25	0.20795	0.24082	0.09002	0.11264	0.189	0.13	0.2426	0.24082	1.45E+00	4.45E-01	9.37E-06	3.96E-03	5.91E-02	1.22E-02	1.72E+00	1.64E+00	2.05E+00
3889	473363.09	3853377.25	0.21699	0.24494	0.09083	0.11448	0.195	0.133	0.2394	0.24494	1.51E+00	4.52E-01	9.46E-06	4.03E-03	6.11E-02	1.25E-02	1.70E+00	1.67E+00	2.07E+00
3890	473863.09	3853377.25	0.2273	0.24231	0.09661	0.11906	0.2	0.135	0.2479	0.24231	1.58E+00	4.48E-01	1.01E-05	4.19E-03	6.25E-02	1.27E-02	1.76E+00	1.65E+00	2.22E+00

3891	474363.09	3853377.25	0.23299	0.24985	0.10004	0.12528	0.198	0.137	0.2594	0.24985	1.62E+00	4.61E-01	1.04E-05	4.41E-03	6.21E-02	1.29E-02	1.84E+00	1.70E+00	2.30E+00
3892	474863.09	3853377.25	0.24039	0.23443	0.1042	0.12689	0.203	0.147	0.2364	0.23443	1.68E+00	4.33E-01	1.08E-05	4.47E-03	6.35E-02	1.38E-02	1.68E+00	1.59E+00	2.27E+00
3893	475363.09	3853377.25	0.24751	0.23633	0.10738	0.14505	0.186	0.16	0.2362	0.23633	1.73E+00	4.36E-01	1.12E-05	5.11E-03	5.84E-02	1.50E-02	1.67E+00	1.61E+00	2.31E+00
3894	475863.09	3853377.25	0.25023	0.22899	0.10819	0.14839	0.2	0.17	0.2253	0.22899	1.74E+00	4.23E-01	1.13E-05	5.22E-03	6.28E-02	1.59E-02	1.60E+00	1.56E+00	2.29E+00
3895	476363.09	3853377.25	0.24378	0.19638	0.11032	0.15275	0.185	0.172	0.2011	0.19638	1.70E+00	3.63E-01	1.15E-05	5.38E-03	5.80E-02	1.61E-02	1.42E+00	1.34E+00	2.23E+00
3896	476863.09	3853377.25	0.23931	0.20474	0.11153	0.15336	0.195	0.162	0.2084	0.20474	1.67E+00	3.78E-01	1.16E-05	5.40E-03	6.12E-02	1.53E-02	1.48E+00	1.39E+00	2.21E+00
3897	477363.09	3853377.25	0.23624	0.19637	0.12049	0.15394	0.204	0.166	0.2068	0.19637	1.65E+00	3.63E-01	1.25E-05	5.42E-03	6.40E-02	1.56E-02	1.47E+00	1.34E+00	2.22E+00
3898	477863.09	3853377.25	0.24993	0.20172	0.1194	0.15893	0.211	0.171	0.2035	0.20172	1.74E+00	3.73E-01	1.24E-05	5.59E-03	6.60E-02	1.60E-02	1.44E+00	1.37E+00	2.27E+00
3899	478363.09	3853377.25	0.27168	0.18216	0.12279	0.16211	0.194	0.172	0.1772	0.18216	1.89E+00	3.36E-01	1.28E-05	5.71E-03	6.09E-02	1.62E-02	1.26E+00	1.24E+00	2.33E+00
3900	478863.09	3853377.25	0.26056	0.15812	0.11414	0.14933	0.208	0.153	0.1502	0.15812	1.82E+00	2.92E-01	1.19E-05	5.26E-03	6.53E-02	1.43E-02	1.06E+00	1.08E+00	2.18E+00
3901	479363.09	3853377.25	0.33432	0.2097	0.13193	0.18366	0.205	0.209	0.2233	0.2097	2.33E+00	3.87E-01	1.37E-05	6.46E-03	6.44E-02	1.97E-02	1.58E+00	1.43E+00	2.97E+00
3902	479863.09	3853377.25	0.40192	0.29227	0.13721	0.19853	0.204	0.236	0.3292	0.29227	2.80E+00	5.40E-01	1.43E-05	6.99E-03	6.40E-02	2.21E-02	2.33E+00	1.99E+00	3.78E+00
3903	480363.09	3853377.25	0.42891	0.46928	0.14318	0.27511	0.22	0.278	0.5305	0.46928	2.99E+00	8.67E-01	1.49E-05	9.68E-03	6.90E-02	2.61E-02	3.76E+00	3.19E+00	4.53E+00
3904	480863.09	3853377.25	0.53889	0.40939	0.14926	0.27319	0.231	0.304	0.4661	0.40939	3.76E+00	7.56E-01	1.55E-05	9.62E-03	7.23E-02	2.86E-02	3.30E+00	2.78E+00	5.14E+00
3905	481363.09	3853377.25	0.49435	0.74698	0.14967	0.28221	0.223	0.358	0.7851	0.74698	3.45E+00	1.38E+00	1.56E-05	9.93E-03	7.00E-02	3.37E-02	5.56E+00	5.08E+00	5.42E+00
3906	481863.09	3853377.25	0.53707	1.16931	0.14516	0.28799	0.26	0.376	1.1977	1.16931	3.74E+00	2.16E+00	1.51E-05	1.01E-02	8.13E-02	3.54E-02	8.49E+00	7.95E+00	6.57E+00
3907	482363.09	3853377.25	0.70671	1.84594	0.16502	0.44754	0.299	0.471	1.8029	1.84594	4.93E+00	3.41E+00	1.72E-05	1.58E-02	9.37E-02	4.43E-02	1.28E+01	1.26E+01	8.71E+00
3908	482863.09	3853377.25	1.152	4.27353	0.26034	0.3542	0.282	0.45	4.3571	4.27353	8.03E+00	7.89E+00	2.71E-05	1.25E-02	8.84E-02	4.23E-02	3.09E+01	2.91E+01	1.79E+01
3909	483363.09	3853377.25	0.78809	1.27605	0.20443	0.37606	0.252	0.603	1.3337	1.27605	5.49E+00	2.36E+00	2.13E-05	1.32E-02	7.89E-02	5.67E-02	9.45E+00	8.68E+00	8.77E+00
3910	483863.09	3853377.25	0.81771	0.75648	0.27889	0.61539	0.246	0.797	0.8482	0.75648	5.70E+00	1.40E+00	2.90E-05	2.17E-02	7.71E-02	7.49E-02	6.01E+00	5.14E+00	8.14E+00
3911	484363.09	3853377.25	0.9855	0.70445	0.18447	0.7831	0.245	0.89	0.8477	0.70445	6.87E+00	1.30E+00	1.92E-05	2.76E-02	7.66E-02	8.37E-02	6.01E+00	4.79E+00	9.58E+00
3912	484863.09	3853377.25	1.0037	0.47033	0.31124	0.67426	0.261	0.619	0.6146	0.47033	7.00E+00	8.69E-01	3.24E-05	2.37E-02	8.18E-02	5.82E-02	4.35E+00	3.20E+00	9.19E+00
3913	485363.09	3853377.25	0.9253	0.27538	0.23706	0.43121	0.337	0.369	0.3585	0.27538	6.45E+00	5.09E-01	2.47E-05	1.52E-02	1.06E-01	3.46E-02	2.54E+00	1.87E+00	7.78E+00
3914	485863.09	3853377.25	0.66476	0.26287	0.26854	0.27743	0.325	0.256	0.2869	0.26287	4.63E+00	4.86E-01	2.80E-05	9.76E-03	1.02E-01	2.40E-02	2.03E+00	1.79E+00	5.50E+00
3915	486363.09	3853377.25	0.69216	0.31227	0.26939	0.27046	0.362	0.26	0.3274	0.31227	4.83E+00	5.77E-01	2.80E-05	9.52E-03	1.14E-01	2.44E-02	2.32E+00	2.12E+00	5.75E+00
3916	486863.09	3853377.25	0.69105	0.29007	0.43897	0.27688	0.354	0.251	0.3239	0.29007	4.82E+00	5.36E-01	4.57E-05	9.75E-03	1.11E-01	2.36E-02	2.30E+00	1.97E+00	5.82E+00
3917	487363.09	3853377.25	0.68699	0.30515	0.46132	0.30646	0.355	0.246	0.3175	0.30515	4.79E+00	5.64E-01	4.80E-05	1.08E-02	1.11E-01	2.31E-02	2.25E+00	2.07E+00	5.67E+00
3918	487863.09	3853377.25	0.67592	0.32226	0.47983	0.3133	0.284	0.258	0.3288	0.32226	4.71E+00	5.95E-01	5.00E-05	1.10E-02	8.88E-02	2.43E-02	2.33E+00	2.19E+00	5.57E+00
3919	488363.09	3853377.25	0.68092	0.3109	0.44522	0.31546	0.272	0.269	0.3229	0.3109	4.75E+00	5.74E-01	4.64E-05	1.11E-02	8.52E-02	2.53E-02	2.29E+00	2.11E+00	5.62E+00
3920	488863.09	3853377.25	0.6438	0.28364	0.45656	0.3105	0.347	0.263	0.2998	0.28364	4.49E+00	5.24E-01	4.75E-05	1.09E-02	1.09E-01	2.48E-02	2.12E+00	1.93E+00	5.35E+00
3921	489363.09	3853377.25	0.65568	0.27511	0.45594	0.30169	0.352	0.246	0.2861	0.27511	4.57E+00	5.08E-01	4.75E-05	1.06E-02	1.10E-01	2.32E-02	2.03E+00	1.87E+00	5.38E+00
3922	489863.09	3853377.25	0.62365	0.25997	0.41938	0.27376	0.328	0.238	0.2702	0.25997	4.35E+00	4.80E-01	4.37E-05	9.64E-03	1.03E-01	2.23E-02	1.91E+00	1.77E+00	5.11E+00
3923	490363.09	3853377.25	0.64671	0.24643	0.46477	0.29898	0.349	0.252	0.2589	0.24643	4.51E+00	4.55E-01	4.84E-05	1.05E-02	1.09E-01	2.37E-02	1.83E+00	1.68E+00	5.27E+00
3924	490863.09	3853377.25	0.68396	0.24151	0.4449	0.32429	0.47	0.251	0.267	0.24151	4.77E+00	4.46E-01	4.63E-05	1.14E-02	1.47E-01	2.36E-02	1.89E+00	1.64E+00	5.65E+00
3925	491363.09	3853377.25	0.70552	0.24274	0.46191	0.33024	0.566	0.26	0.2716	0.24274	4.92E+00	4.48E-01	4.81E-05	1.16E-02	1.77E-01	2.44E-02	1.92E+00	1.65E+00	5.85E+00
3926	491863.09	3853377.25	0.73584	0.23075	0.42916	0.32985	0.693	0.265	0.2752	0.23075	5.13E+00	4.26E-01	4.47E-05	1.16E-02	2.17E-01	2.49E-02	1.95E+00	1.57E+00	6.19E+00
3927	492363.09	3853377.25	0.77717	0.23444	0.43956	0.35278	0.526	0.287	0.287	0.23444	5.42E+00	4.33E-01	4.58E-05	1.24E-02	1.65E-01	2.70E-02	2.03E+00	1.59E+00	6.49E+00
3928	492863.09	3853377.25	0.79141	0.25407	0.40024	0.36021	0.548	0.291	0.2915	0.25407	5.52E+00	4.69E-01	4.17E-05	1.27E-02	1.72E-01	2.74E-02	2.07E+00	1.73E+00	6.54E+00
3929	493363.09	3853377.25	0.79564	0.25995	0.41004	0.34528	0.525	0.291	0.2846	0.25995	5.55E+00	4.80E-01	4.27E-05	1.22E-02	1.64E-01	2.73E-02	2.02E+00	1.77E+00	6.48E+00
3930	493863.09	3853377.25	0.765	0.26168	0.40311	0.33425	0.509	0.288	0.2736	0.26168	5.33E+00	4.83E-01	4.20E-05	1.18E-02	1.59E-01	2.71E-02	1.94E+00	1.78E+00	6.17E+00
3931	494363.09	3853377.25	0.70467	0.24039	0.37927	0.31321	0.538	0.274	0.2606	0.24039	4.91E+00	4.44E-01	3.95E-05	1.10E-02	1.68E-01	2.58E-02	1.85E+00	1.63E+00	5.77E+00
3932	494863.09	3853377.25	0.65192	0.22481	0.37575	0.28851	0.608	0.251	0.2468	0.22481	4.54E+00	4.15E-01	3.91E-05	1.02E-02	1.91E-01	2.36E-02	1.75E+00	1.53E+00	5.40E+00
3933	495363.09	3853377.25	0.62849	0.21447	0.36735	0.30561	0.672	0.235	0.2342	0.21447	4.38E+00	3.96E-01	3.82E-05	1.08E-02	2.11E-01	2.20E-02	1.66E+00	1.46E+00	5.22E+00
3934	495863.09	3853377.25	0.57709	0.20515	0.35723	0.27776	0.698	0.214	0.2225	0.20515	4.02E+00	3.79E-01	3.72E-05	9.78E-03	2.19E-01	2.01E-02	1.58E+00	1.39E+00	4.83E+00
3935	496363.09	3853377.25	0.50172	0.18911	0.31719	0.24594	0.77	0.204	0.2028	0.18911	3.50E+00	3.49E-01	3.30E-05	8.66E-03	2.41E-01	1.92E-02	1.44E+00	1.29E+00	4.27E+00
3936	496863.09	3853377.25	0.40073	0.16819	0.25295	0.20184	0.805	0.195	0.1779	0.16819	2.79E+00	3.11E-01	2.63E-05	7.10E-03	2.52E-01	1.83E-02	1.26E+00	1.14E+00	3.50E+00
3937	497363.09	3853377.25	0.29826	0.13709	0.21488	0.17776	0.677	0.161	0.1435	0.13709	2.08E+00	2.53E-01	2.24E-05	6.26E-03	2.12E-01	1.52E-02	1.02E+00	9.32E-01	2.65E+00
3938	497863.09	3853377.25	0.22452	0.08622	0.16558	0.13846	0.529	0.129	0.0893	0.08622	1.57E+00	1.59E-01	1.72E-05	4.87E-03	1.66E-01	1.21E-02	6.33E-01	5.86E-01	1.95E+00
3939	498363.09	3853377.25	0.16901	0.07845	0.12603	0.13333	0.411	0.115	0.0792	0.07845	1.18E+00	1.45E-01	1.31E-05	4.69E-03	1.29E-01	1.08E-02	5.61E-01	5.33E-01	1.49E+00
3940	471363.09	3853877.25	0.19602	0.19923	0.07182	0.09914	0.168	0.127	0.2032	0.19923	1.37E+00	3.68E-01	7.48E-06	3.49E-03	5.28E-02	1.19E-02	1.44E+00	1.35E+00	1.89E+00
3941	471863.09	3853877.25	0.19877	0.21234	0.07514	0.10426	0.18	0.13	0.2233	0.21234	1.39E+00	3.92E-01	7.82E-06	3.67E-03	5.65E-02	1.23E-02	1.58E+00	1.44E+00	1.99E+00
3942	472363.09	3853877.25	0.20343	0.21711	0.07976	0.1074	0.193	0.131	0.2291	0.21711	1.42E+00	4.01E-01	8.30E-06	3.78E-03	6.04E-02	1.23E-02	1.62E+00	1.48E+00	2.04E+00
3943	472863.09	3853877.25	0.21857	0.22033	0.08326	0.11635	0.199	0.132	0.2327	0.22033	1.52E+00	4.07E-01	8.67E-06	4.10E-03	6.23E-02	1.24E-02	1.65E+00	1.50E+00	2.16E+00
3944	473363.09	3853877.25	0.22652	0.21927	0.08698	0.11772	0.209	0.134	0.2273	0.21927	1.58E+00	4.05E-01	9.06E-06	4.14E-03	6.54E-02	1.26E-02	1.61E+00	1.49E+00	2.19E+00
3945	473863.09	3853877.25	0.22608	0.21338	0.09112	0.11801	0.214	0.137	0.2287	0.21338	1.58E+00	3.94E-01	9.49E-06	4.15E-03	6.70E-02	1.29E-02	1.62E+00	1.45E+00	2.22E+00
3946	474363.09	3853877.25	0.23827	0.21659	0.09869	0.11841	0.221	0.141	0.2302	0.21659	1.66E+00	4.00E-01	1.03E-05	4.17E-03	6.92E-02	1.33E-02	1.63E+00	1.47E+00	2.31E+00
3947	474863.09	3853877.25	0.24605	0.21582	0.10403	0.12035	0.214	0.14	0.2281	0.21582	1.72E+00	3.99E-01	1.08E-05	4.24E-03	6.69E-02	1.32E-02	1.62E+00	1.47E+00	2.35E+00
3948	475363.09	3853877.25	0.2562	0.20713	0.10655	0.11892	0.223	0.142	0.2133	0.20713	1.79E+00	3.83E-01	1.11E-05	4.19E-03	6.99E-02	1.33E-02	1.51E+00	1.41E+00	2.36E+00
3949	475863.09	3853877.25	0.26862	0.17467	0.10674	0.12809	0.226	0.148	0.1902	0.17467	1.87E+00	3.23E-01	1.11E-05	4.51E-03	7.09E-02	1.39E-02	1.35E+00	1.19E+00	2.44E+00

3950	476363.09	3853877.25	0.27072	0.16779	0.11044	0.14882	0.228	0.157	0.1666	0.16779	1.89E+00	3.10E-01	1.15E-05	5.24E-03	7.14E-02	1.47E-02	1.18E+00	1.14E+00	2.33E+00
3951	476863.09	3853877.25	0.25402	0.15538	0.11001	0.14423	0.203	0.155	0.1644	0.15538	1.77E+00	2.87E-01	1.15E-05	5.08E-03	6.36E-02	1.45E-02	1.16E+00	1.06E+00	2.25E+00
3952	477363.09	3853877.25	0.25757	0.17948	0.10797	0.15557	0.211	0.155	0.1716	0.17948	1.80E+00	3.31E-01	1.12E-05	5.48E-03	6.62E-02	1.46E-02	1.22E+00	1.22E+00	2.21E+00
3953	477863.09	3853877.25	0.26151	0.19051	0.11576	0.16127	0.212	0.168	0.1798	0.19051	1.82E+00	3.52E-01	1.21E-05	5.68E-03	6.65E-02	1.58E-02	1.27E+00	1.30E+00	2.24E+00
3954	478363.09	3853877.25	0.26973	0.1924	0.15029	0.15771	0.224	0.172	0.184	0.1924	1.88E+00	3.55E-01	1.56E-05	5.55E-03	7.02E-02	1.61E-02	1.30E+00	1.31E+00	2.32E+00
3955	478863.09	3853877.25	0.26648	0.14144	0.15369	0.13466	0.239	0.158	0.138	0.14144	1.86E+00	2.61E-01	1.60E-05	4.74E-03	7.48E-02	1.49E-02	9.78E-01	9.62E-01	2.23E+00
3956	479363.09	3853877.25	0.29889	0.1618	0.15468	0.16479	0.215	0.176	0.1565	0.1618	2.08E+00	2.99E-01	1.61E-05	5.80E-03	6.73E-02	1.65E-02	1.11E+00	1.10E+00	2.48E+00
3957	479863.09	3853877.25	0.42233	0.24956	0.15712	0.21387	0.234	0.259	0.2595	0.24956	2.94E+00	4.61E-01	1.64E-05	7.53E-03	7.32E-02	2.43E-02	1.84E+00	1.70E+00	3.65E+00
3958	480363.09	3853877.25	0.47952	0.34417	0.16502	0.24872	0.237	0.304	0.3616	0.34417	3.34E+00	6.36E-01	1.72E-05	8.75E-03	7.42E-02	2.86E-02	2.56E+00	2.34E+00	4.31E+00
3959	480863.09	3853877.25	0.59058	0.50344	0.17362	0.30334	0.251	0.392	0.5425	0.50344	4.12E+00	9.30E-01	1.81E-05	1.07E-02	7.85E-02	3.69E-02	3.84E+00	3.42E+00	5.59E+00
3960	481363.09	3853877.25	0.66196	0.68557	0.19983	0.33891	0.262	0.588	0.7205	0.68557	4.61E+00	1.27E+00	2.08E-05	1.19E-02	8.21E-02	5.52E-02	5.11E+00	4.66E+00	6.47E+00
3961	481863.09	3853877.25	0.78928	0.9969	0.21992	0.41772	0.277	0.799	0.9897	0.9969	5.50E+00	1.84E+00	2.29E-05	1.47E-02	8.69E-02	7.51E-02	7.01E+00	6.78E+00	7.75E+00
3962	482363.09	3853877.25	1.02701	1.38329	0.25448	0.5442	0.267	1.113	1.4359	1.38329	7.16E+00	2.55E+00	2.65E-05	1.92E-02	8.36E-02	1.05E-01	1.02E+01	9.41E+00	1.07E+01
3963	482863.09	3853877.25	1.72227	4.99953	0.4527	1.24907	0.338	5.431	3.62	4.99953	1.20E+01	9.23E+00	4.71E-05	4.40E-02	1.06E-01	5.10E-01	2.56E+01	3.40E+01	1.36E+01
3964	483363.09	3853877.25	1.87735	1.60495	0.31817	3.45434	0.369	4.39	2.2375	1.60495	1.31E+01	2.96E+00	3.31E-05	1.22E-01	1.16E-01	4.13E-01	1.59E+01	1.09E+01	2.16E+01
3965	483863.09	3853877.25	1.57174	1.04131	0.32206	2.28714	0.313	2.121	1.4557	1.04131	1.10E+01	1.92E+00	3.35E-05	8.05E-02	9.82E-02	1.99E-01	1.03E+01	7.08E+00	1.65E+01
3966	484363.09	3853877.25	1.58796	0.48854	0.42001	1.37231	0.298	1.166	0.9146	0.48854	1.11E+01	9.02E-01	4.37E-05	4.83E-02	9.33E-02	1.10E-01	6.48E+00	3.32E+00	1.54E+01
3967	484863.09	3853877.25	1.48914	0.34724	0.39873	0.92341	0.274	0.664	0.6167	0.34724	1.04E+01	6.41E-01	4.15E-05	3.25E-02	8.58E-02	6.25E-02	4.37E+00	2.36E+00	1.32E+01
3968	485363.09	3853877.25	1.00275	0.23911	0.46018	0.41815	0.316	0.341	0.2947	0.23911	6.99E+00	4.42E-01	4.79E-05	1.47E-02	9.89E-02	3.20E-02	2.09E+00	1.63E+00	8.04E+00
3969	485863.09	3853877.25	1.145	0.24734	0.64737	0.49837	0.375	0.377	0.3348	0.24734	7.98E+00	4.57E-01	6.74E-05	1.75E-02	1.17E-01	3.54E-02	2.37E+00	1.68E+00	9.30E+00
3970	486363.09	3853877.25	1.03744	0.24453	0.75566	0.45893	0.401	0.352	0.3019	0.24453	7.23E+00	4.52E-01	7.87E-05	1.62E-02	1.26E-01	3.31E-02	2.14E+00	1.66E+00	8.34E+00
3971	486863.09	3853877.25	0.91679	0.24564	0.7254	0.41092	0.374	0.315	0.299	0.24564	6.39E+00	4.54E-01	7.55E-05	1.45E-02	1.17E-01	2.96E-02	2.12E+00	1.67E+00	7.45E+00
3972	487363.09	3853877.25	0.91696	0.27073	0.67014	0.42215	0.423	0.316	0.3064	0.27073	6.39E+00	5.00E-01	6.98E-05	1.49E-02	1.33E-01	2.97E-02	2.17E+00	1.84E+00	7.40E+00
3973	487863.09	3853877.25	1.04511	0.29037	0.73445	0.48928	0.336	0.385	0.3936	0.29037	7.29E+00	5.36E-01	7.65E-05	1.72E-02	1.05E-01	3.62E-02	2.79E+00	1.97E+00	8.80E+00
3974	488363.09	3853877.25	1.06932	0.28847	0.69407	0.47036	0.32	0.397	0.3956	0.28847	7.45E+00	5.33E-01	7.23E-05	1.66E-02	1.00E-01	3.73E-02	2.80E+00	1.96E+00	8.98E+00
3975	488863.09	3853877.25	1.09032	0.33729	0.66663	0.51204	0.403	0.413	0.4421	0.33729	7.60E+00	6.23E-01	6.94E-05	1.80E-02	1.26E-01	3.88E-02	3.13E+00	2.29E+00	9.25E+00
3976	489363.09	3853877.25	0.99106	0.30444	0.60825	0.44611	0.372	0.367	0.4036	0.30444	6.91E+00	5.62E-01	6.33E-05	1.57E-02	1.17E-01	3.45E-02	2.86E+00	2.07E+00	8.43E+00
3977	489863.09	3853877.25	0.97088	0.26799	0.65615	0.41192	0.42	0.351	0.3746	0.26799	6.77E+00	4.95E-01	6.83E-05	1.45E-02	1.32E-01	3.30E-02	2.65E+00	1.82E+00	8.27E+00
3978	490363.09	3853877.25	0.94386	0.267	0.64377	0.42418	0.513	0.343	0.3349	0.267	6.58E+00	4.93E-01	6.70E-05	1.49E-02	1.61E-01	3.22E-02	2.37E+00	1.82E+00	7.84E+00
3979	490863.09	3853877.25	0.95576	0.26948	0.61228	0.40312	0.703	0.325	0.3129	0.26948	6.66E+00	4.98E-01	6.37E-05	1.42E-02	2.20E-01	3.05E-02	2.22E+00	1.83E+00	7.81E+00
3980	491363.09	3853877.25	0.96665	0.26254	0.62198	0.41877	0.815	0.334	0.2935	0.26254	6.74E+00	4.85E-01	6.48E-05	1.47E-02	2.55E-01	3.14E-02	2.08E+00	1.79E+00	7.82E+00
3981	491863.09	3853877.25	0.94239	0.24348	0.58654	0.39089	0.648	0.339	0.3009	0.24348	6.57E+00	4.50E-01	6.11E-05	1.38E-02	2.03E-01	3.18E-02	2.13E+00	1.66E+00	7.74E+00
3982	492363.09	3853877.25	0.9528	0.24418	0.56116	0.41491	0.649	0.345	0.3114	0.24418	6.64E+00	4.51E-01	5.84E-05	1.46E-02	2.03E-01	3.25E-02	2.21E+00	1.66E+00	7.89E+00
3983	492863.09	3853877.25	0.94588	0.24973	0.54141	0.42412	0.608	0.345	0.2989	0.24973	6.59E+00	4.61E-01	5.64E-05	1.49E-02	1.90E-01	3.24E-02	2.12E+00	1.70E+00	7.71E+00
3984	493363.09	3853877.25	0.92925	0.2427	0.5721	0.40662	0.647	0.333	0.2903	0.2427	6.48E+00	4.48E-01	5.96E-05	1.43E-02	2.03E-01	3.13E-02	2.06E+00	1.65E+00	7.58E+00
3985	493863.09	3853877.25	0.88451	0.22794	0.55551	0.37072	0.746	0.309	0.2713	0.22794	6.17E+00	4.21E-01	5.78E-05	1.30E-02	2.34E-01	2.91E-02	1.92E+00	1.55E+00	7.24E+00
3986	494363.09	3853877.25	0.86231	0.22443	0.52642	0.35577	0.836	0.287	0.2546	0.22443	6.01E+00	4.15E-01	5.48E-05	1.25E-02	2.62E-01	2.70E-02	1.80E+00	1.53E+00	7.01E+00
3987	494863.09	3853877.25	0.81562	0.21443	0.45401	0.37087	0.958	0.27	0.2365	0.21443	5.69E+00	3.96E-01	4.73E-05	1.31E-02	3.00E-01	2.54E-02	1.68E+00	1.46E+00	6.64E+00
3988	495363.09	3853877.25	0.67238	0.19882	0.34208	0.29239	1.081	0.231	0.2216	0.19882	4.69E+00	3.67E-01	3.56E-05	1.03E-02	3.39E-01	2.17E-02	1.57E+00	1.35E+00	5.64E+00
3989	495863.09	3853877.25	0.54534	0.19068	0.29377	0.23318	1.061	0.217	0.2104	0.19068	3.80E+00	3.52E-01	3.06E-05	8.21E-03	3.32E-01	2.04E-02	1.49E+00	1.30E+00	4.71E+00
3990	496363.09	3853877.25	0.45665	0.18332	0.28274	0.222	0.991	0.206	0.1899	0.18332	3.18E+00	3.39E-01	2.94E-05	7.81E-03	3.11E-01	1.94E-02	1.35E+00	1.25E+00	3.96E+00
3991	496863.09	3853877.25	0.32921	0.15395	0.23799	0.21031	0.777	0.181	0.1771	0.15395	2.30E+00	2.84E-01	2.48E-05	7.40E-03	2.43E-01	1.70E-02	1.25E+00	1.05E+00	3.06E+00
3992	497363.09	3853877.25	0.2853	0.1305	0.20878	0.18565	0.712	0.163	0.1372	0.1305	1.99E+00	2.41E-01	2.17E-05	6.53E-03	2.23E-01	1.53E-02	9.72E-01	8.87E-01	2.56E+00
3993	497863.09	3853877.25	0.25	0.09428	0.17846	0.16706	0.603	0.143	0.0999	0.09428	1.74E+00	1.74E-01	1.86E-05	5.88E-03	1.89E-01	1.34E-02	7.08E-01	6.41E-01	2.19E+00
3994	498363.09	3853877.25	0.22408	0.0859	0.15736	0.14834	0.533	0.132	0.0875	0.0859	1.56E+00	1.59E-01	1.64E-05	5.22E-03	1.67E-01	1.24E-02	6.20E-01	5.84E-01	1.94E+00
3995	471363.09	3854377.25	0.18806	0.19098	0.07772	0.12229	0.143	0.139	0.1994	0.19098	1.31E+00	3.53E-01	8.09E-06	4.30E-03	4.48E-02	1.30E-02	1.41E+00	1.30E+00	1.84E+00
3996	471863.09	3854377.25	0.1976	0.19896	0.07887	0.12371	0.15	0.14	0.2107	0.19896	1.38E+00	3.67E-01	8.21E-06	4.35E-03	4.70E-02	1.32E-02	1.49E+00	1.35E+00	1.95E+00
3997	472363.09	3854377.25	0.20374	0.20538	0.08005	0.12485	0.153	0.141	0.2158	0.20538	1.42E+00	3.79E-01	8.33E-06	4.39E-03	4.78E-02	1.32E-02	1.53E+00	1.40E+00	2.00E+00
3998	472863.09	3854377.25	0.20897	0.2054	0.08196	0.12831	0.167	0.143	0.2227	0.2054	1.46E+00	3.79E-01	8.53E-06	4.52E-03	5.24E-02	1.35E-02	1.58E+00	1.40E+00	2.09E+00
3999	473363.09	3854377.25	0.21256	0.20628	0.08531	0.13271	0.177	0.146	0.2252	0.20628	1.48E+00	3.81E-01	8.88E-06	4.67E-03	5.55E-02	1.38E-02	1.60E+00	1.40E+00	2.13E+00
4000	473863.09	3854377.25	0.22159	0.2094	0.09174	0.13663	0.195	0.148	0.2366	0.2094	1.54E+00	3.87E-01	9.55E-06	4.81E-03	6.12E-02	1.40E-02	1.68E+00	1.42E+00	2.26E+00
4001	474363.09	3854377.25	0.24178	0.21281	0.0964	0.14066	0.209	0.147	0.2384	0.21281	1.69E+00	3.93E-01	1.00E-05	4.95E-03	6.54E-02	1.38E-02	1.69E+00	1.45E+00	2.41E+00
4002	474863.09	3854377.25	0.24669	0.19956	0.09819	0.14175	0.224	0.147	0.2205	0.19956	1.72E+00	3.69E-01	1.02E-05	4.99E-03	7.03E-02	1.39E-02	1.56E+00	1.36E+00	2.38E+00
4003	475363.09	3854377.25	0.2548	0.16542	0.09738	0.14	0.237	0.149	0.1784	0.16542	1.78E+00	3.06E-01	1.01E-05	4.93E-03	7.43E-02	1.41E-02	1.26E+00	1.12E+00	2.31E+00
4004	475863.09	3854377.25	0.25125	0.13115	0.10245	0.13974	0.237	0.147	0.1387	0.13115	1.75E+00	2.42E-01	1.07E-05	4.92E-03	7.43E-02	1.38E-02	9.83E-01	8.92E-01	2.18E+00
4005	476363.09	3854377.25	0.25921	0.13284	0.10462	0.13927	0.238	0.145	0.1368	0.13284	1.81E+00	2.45E-01	1.09E-05	4.90E-03	7.45E-02	1.36E-02	9.69E-01	9.03E-01	2.21E+00
4006	476863.09	3854377.25	0.25627	0.13265	0.1067	0.13869	0.25	0.148	0.1432	0.13265	1.79E+00	2.45E-01	1.11E-05	4.88E-03	7.82E-02	1.39E-02	1.01E+00	9.02E-01	2.24E+00
4007	477363.09	3854377.25	0.25912	0.13479	0.11273	0.13749	0.254	0.152	0.1437	0.13479	1.81E+00	2.49E-01	1.17E-05	4.84E-03	7.97E-02	1.43E-02	1.02E+00	9.17E-01	2.26E+00
4008	477863.09	3854377.25	0.27488	0.14649	0.11601	0.14564	0.256	0.154	0.1546	0.14649	1.92E+00	2.71E-01	1.21E-05	5.13E-03	8.03E-02	1.45E-02	1.10E+00	9.96E-01	2.39E+00

4009	478363.09	3854377.25	0.29205	0.17176	0.11958	0.1627	0.241	0.18	0.1777	0.17176	2.04E+00	3.17E-01	1.24E-05	5.73E-03	7.54E-02	1.69E-02	1.26E+00	1.17E+00	2.54E+00
4010	478863.09	3854377.25	0.30291	0.17621	0.12766	0.17453	0.245	0.196	0.185	0.17621	2.11E+00	3.25E-01	1.33E-05	6.14E-03	7.68E-02	1.84E-02	1.31E+00	1.20E+00	2.65E+00
4011	479363.09	3854377.25	0.34721	0.19709	0.16432	0.21348	0.249	0.262	0.2094	0.19709	2.42E+00	3.64E-01	1.71E-05	7.51E-03	7.80E-02	2.46E-02	1.48E+00	1.34E+00	3.04E+00
4012	479863.09	3854377.25	0.39557	0.22575	0.20114	0.26087	0.28	0.304	0.2475	0.22575	2.76E+00	4.17E-01	2.09E-05	9.18E-03	8.78E-02	2.86E-02	1.75E+00	1.54E+00	3.52E+00
4013	480363.09	3854377.25	0.54664	0.27686	0.22311	0.33207	0.307	0.362	0.3042	0.27686	3.81E+00	5.11E-01	2.32E-05	1.17E-02	9.63E-02	3.41E-02	2.16E+00	1.88E+00	4.74E+00
4014	480863.09	3854377.25	0.79287	0.38979	0.24577	0.4653	0.279	0.494	0.4326	0.38979	5.53E+00	7.20E-01	2.56E-05	1.64E-02	8.75E-02	4.64E-02	3.07E+00	2.65E+00	6.81E+00
4015	481363.09	3854377.25	0.89903	0.59666	0.28112	0.69495	0.3	0.779	0.6582	0.59666	6.27E+00	1.10E+00	2.93E-05	2.45E-02	9.40E-02	7.33E-02	4.66E+00	4.06E+00	8.17E+00
4016	481863.09	3854377.25	1.08963	0.93512	0.36548	0.81768	0.31	1.351	0.85	0.93512	7.60E+00	1.73E+00	3.80E-05	2.88E-02	9.70E-02	1.27E-01	6.02E+00	6.36E+00	9.24E+00
4017	482363.09	3854377.25	1.52988	1.36931	0.54853	1.01767	0.341	2.345	1.1348	1.36931	1.07E+01	2.53E+00	5.71E-05	3.58E-02	1.07E-01	2.20E-01	8.04E+00	9.31E+00	1.23E+01
4018	482863.09	3854377.25	2.41478	5.21074	0.85523	1.92015	0.338	3.152	1.864	5.21074	1.68E+01	9.62E+00	8.90E-05	6.76E-02	1.06E-01	2.96E-01	1.32E+01	3.54E+01	4.70E+00
4019	483363.09	3854377.25	2.69451	1.82891	0.94455	4.14198	0.376	2.428	4.0274	1.82891	1.88E+01	3.38E+00	9.83E-05	1.46E-01	1.18E-01	2.28E-01	2.85E+01	1.24E+01	3.88E+01
4020	483863.09	3854377.25	2.90825	0.69729	1.15395	8.7066	0.417	4.222	3.0143	0.69729	2.03E+01	1.29E+00	1.20E-04	3.06E-01	1.31E-01	3.97E-01	2.14E+01	4.74E+00	3.90E+01
4021	484363.09	3854377.25	2.79238	0.47282	1.33312	2.24795	0.369	1.308	1.1935	0.47282	1.95E+01	8.73E-01	1.39E-04	7.91E-02	1.16E-01	1.23E-01	8.46E+00	3.22E+00	2.59E+01
4022	484863.09	3854377.25	1.76608	0.29446	1.51031	0.86165	0.352	0.573	0.5138	0.29446	1.23E+01	5.44E-01	1.57E-04	3.03E-02	1.10E-01	5.38E-02	3.64E+00	2.00E+00	1.47E+01
4023	485363.09	3854377.25	2.0709	0.2774	1.76042	1.36817	0.321	0.821	0.821	0.2774	1.44E+01	5.12E-01	1.83E-04	4.82E-02	1.01E-01	7.71E-02	5.82E+00	1.89E+00	1.91E+01
4024	485863.09	3854377.25	1.56238	0.23383	1.37434	0.81993	0.426	0.504	0.4605	0.23383	1.09E+01	4.32E-01	1.43E-04	2.89E-02	1.34E-01	4.74E-02	3.26E+00	1.59E+00	1.32E+01
4025	486363.09	3854377.25	1.61511	0.24516	1.22284	0.76439	0.453	0.566	0.5298	0.24516	1.13E+01	4.53E-01	1.27E-04	2.69E-02	1.42E-01	5.32E-02	3.75E+00	1.67E+00	1.40E+01
4026	486863.09	3854377.25	1.44963	0.22725	1.05355	0.6597	0.488	0.476	0.4557	0.22725	1.01E+01	4.20E-01	1.10E-04	2.32E-02	1.53E-01	4.48E-02	3.23E+00	1.55E+00	1.24E+01
4027	487363.09	3854377.25	1.466	0.23766	1.09834	0.64134	0.508	0.474	0.457	0.23766	1.02E+01	4.39E-01	1.14E-04	2.26E-02	1.59E-01	4.46E-02	3.24E+00	1.62E+00	1.25E+01
4028	487863.09	3854377.25	1.47516	0.25872	1.00719	0.68005	0.403	0.491	0.4654	0.25872	1.03E+01	4.78E-01	1.05E-04	2.39E-02	1.26E-01	4.61E-02	3.30E+00	1.76E+00	1.25E+01
4029	488363.09	3854377.25	1.38809	0.28537	0.95108	0.64506	0.41	0.486	0.4774	0.28537	9.68E+00	5.27E-01	9.90E-05	2.27E-02	1.29E-01	4.57E-02	3.38E+00	1.94E+00	1.18E+01
4030	488863.09	3854377.25	1.36058	0.28793	0.98069	0.63158	0.456	0.489	0.475	0.28793	9.49E+00	5.32E-01	1.02E-04	2.22E-02	1.43E-01	4.60E-02	3.37E+00	1.96E+00	1.16E+01
4031	489363.09	3854377.25	1.34762	0.29828	0.93868	0.62358	0.457	0.461	0.4323	0.29828	9.40E+00	5.51E-01	9.77E-05	2.19E-02	1.43E-01	4.33E-02	3.06E+00	2.03E+00	1.12E+01
4032	489863.09	3854377.25	1.2627	0.302	0.85417	0.62111	0.798	0.441	0.4159	0.302	8.80E+00	5.58E-01	8.89E-05	2.19E-02	2.50E-01	4.15E-02	2.95E+00	2.05E+00	1.06E+01
4033	490363.09	3854377.25	1.1848	0.31539	0.79154	0.5829	0.853	0.419	0.3958	0.31539	8.26E+00	5.83E-01	8.24E-05	2.05E-02	2.67E-01	3.94E-02	2.80E+00	2.14E+00	9.83E+00
4034	490863.09	3854377.25	1.04457	0.25769	0.62441	0.4236	0.98	0.308	0.2941	0.25769	7.28E+00	4.76E-01	6.50E-05	1.49E-02	3.07E-01	2.89E-02	2.08E+00	1.75E+00	8.44E+00
4035	491363.09	3854377.25	1.07988	0.26173	0.67148	0.49579	0.816	0.363	0.3174	0.26173	7.53E+00	4.83E-01	6.99E-05	1.74E-02	2.56E-01	3.41E-02	2.25E+00	1.78E+00	8.79E+00
4036	491863.09	3854377.25	1.0923	0.26009	0.64507	0.50723	0.739	0.4	0.3199	0.26009	7.62E+00	4.80E-01	6.72E-05	1.79E-02	2.31E-01	3.76E-02	2.27E+00	1.77E+00	8.88E+00
4037	492363.09	3854377.25	1.09266	0.26137	0.61863	0.5321	0.8	0.406	0.3224	0.26137	7.62E+00	4.83E-01	6.44E-05	1.87E-02	2.51E-01	3.81E-02	2.28E+00	1.78E+00	8.91E+00
4038	492863.09	3854377.25	1.06801	0.25105	0.60453	0.49748	0.91	0.4	0.3188	0.25105	7.45E+00	4.64E-01	6.29E-05	1.75E-02	2.85E-01	3.76E-02	2.26E+00	1.71E+00	8.80E+00
4039	493363.09	3854377.25	1.02056	0.23148	0.54545	0.4693	1.201	0.36	0.2892	0.23148	7.12E+00	4.28E-01	5.68E-05	1.65E-02	3.76E-01	3.38E-02	2.05E+00	1.57E+00	8.44E+00
4040	493863.09	3854377.25	0.9565	0.22458	0.51523	0.42674	1.387	0.333	0.2601	0.22458	6.67E+00	4.15E-01	5.36E-05	1.50E-02	4.35E-01	3.13E-02	1.84E+00	1.53E+00	7.88E+00
4041	494363.09	3854377.25	0.91198	0.2227	0.47327	0.43242	1.654	0.31	0.2414	0.2227	6.36E+00	4.11E-01	4.93E-05	1.52E-02	5.18E-01	2.91E-02	1.71E+00	1.51E+00	7.53E+00
4042	494863.09	3854377.25	0.74675	0.20488	0.38236	0.31966	1.448	0.26	0.2147	0.20488	5.21E+00	3.78E-01	3.98E-05	1.13E-02	4.54E-01	2.45E-02	1.52E+00	1.39E+00	6.20E+00
4043	495363.09	3854377.25	0.50049	0.17826	0.31229	0.23793	1.142	0.215	0.1914	0.17826	3.49E+00	3.29E-01	3.25E-05	8.37E-03	3.58E-01	2.02E-02	1.36E+00	1.21E+00	4.35E+00
4044	495863.09	3854377.25	0.3461	0.15313	0.2601	0.23428	0.916	0.209	0.1608	0.15313	2.41E+00	2.83E-01	2.71E-05	8.25E-03	2.87E-01	1.96E-02	1.14E+00	1.04E+00	3.11E+00
4045	496363.09	3854377.25	0.31893	0.13825	0.25102	0.21838	0.888	0.191	0.1435	0.13825	2.22E+00	2.55E-01	2.61E-05	7.69E-03	2.78E-01	1.79E-02	1.02E+00	9.40E-01	2.86E+00
4046	496863.09	3854377.25	0.29533	0.12417	0.22244	0.19938	0.788	0.168	0.1286	0.12417	2.06E+00	2.29E-01	2.32E-05	7.02E-03	2.47E-01	1.58E-02	9.11E-01	8.44E-01	2.62E+00
4047	497363.09	3854377.25	0.25484	0.09458	0.18832	0.16726	0.67	0.145	0.0948	0.09458	1.78E+00	1.75E-01	1.96E-05	5.89E-03	2.10E-01	1.37E-02	6.71E-01	6.43E-01	2.21E+00
4048	497863.09	3854377.25	0.26428	0.09984	0.18975	0.17673	0.656	0.158	0.1026	0.09984	1.84E+00	1.84E-01	1.98E-05	6.22E-03	2.05E-01	1.49E-02	7.27E-01	6.79E-01	2.30E+00
4049	498363.09	3854377.25	0.23241	0.08862	0.15761	0.16606	0.575	0.137	0.0912	0.08862	1.62E+00	1.64E-01	1.64E-05	5.84E-03	1.80E-01	1.29E-02	6.46E-01	6.03E-01	2.03E+00
4050	471363.09	3854877.25	0.18907	0.19279	0.08102	0.12445	0.134	0.149	0.2024	0.19279	1.32E+00	3.56E-01	8.43E-06	4.38E-03	4.18E-02	1.40E-02	1.43E+00	1.31E+00	1.86E+00
4051	471863.09	3854877.25	0.19606	0.19898	0.08492	0.13002	0.14	0.154	0.203	0.19898	1.37E+00	3.68E-01	8.84E-06	4.58E-03	4.39E-02	1.44E-02	1.44E+00	1.35E+00	1.88E+00
4052	472363.09	3854877.25	0.20165	0.19959	0.08891	0.13947	0.143	0.156	0.2036	0.19959	1.41E+00	3.69E-01	9.26E-06	4.91E-03	4.49E-02	1.47E-02	1.44E+00	1.36E+00	1.92E+00
4053	472863.09	3854877.25	0.21207	0.19759	0.09298	0.14346	0.148	0.162	0.2033	0.19759	1.48E+00	3.65E-01	9.68E-06	5.05E-03	4.64E-02	1.52E-02	1.44E+00	1.34E+00	2.01E+00
4054	473363.09	3854877.25	0.22849	0.19941	0.0971	0.146	0.157	0.16	0.2082	0.19941	1.59E+00	3.68E-01	1.01E-05	5.14E-03	4.90E-02	1.51E-02	1.48E+00	1.36E+00	2.15E+00
4055	473863.09	3854877.25	0.24905	0.20865	0.10288	0.15045	0.166	0.169	0.2174	0.20865	1.74E+00	3.85E-01	1.07E-05	5.30E-03	5.21E-02	1.59E-02	1.54E+00	1.42E+00	2.32E+00
4056	474363.09	3854877.25	0.2634	0.21338	0.10785	0.15738	0.172	0.176	0.233	0.21338	1.84E+00	3.94E-01	1.12E-05	5.54E-03	5.40E-02	1.66E-02	1.65E+00	1.45E+00	2.51E+00
4057	474863.09	3854877.25	0.2629	0.18689	0.11135	0.15263	0.183	0.168	0.1982	0.18689	1.83E+00	3.45E-01	1.16E-05	5.37E-03	5.73E-02	1.58E-02	1.40E+00	1.27E+00	2.39E+00
4058	475363.09	3854877.25	0.26502	0.15144	0.11558	0.14917	0.192	0.167	0.1629	0.15144	1.85E+00	2.80E-01	1.20E-05	5.25E-03	6.01E-02	1.57E-02	1.15E+00	1.03E+00	2.33E+00
4059	475863.09	3854877.25	0.27104	0.12744	0.11611	0.14048	0.209	0.154	0.1269	0.12744	1.89E+00	2.35E-01	1.21E-05	4.94E-03	6.55E-02	1.45E-02	8.99E-01	8.67E-01	2.24E+00
4060	476363.09	3854877.25	0.22001	0.09702	0.11771	0.12974	0.211	0.137	0.0955	0.09702	1.53E+00	1.79E-01	1.23E-05	4.57E-03	6.60E-02	1.29E-02	6.77E-01	6.60E-01	1.81E+00
4061	476863.09	3854877.25	0.2185	0.0959	0.11986	0.13014	0.23	0.137	0.0968	0.0959	1.52E+00	1.77E-01	1.25E-05	4.58E-03	7.19E-02	1.29E-02	6.86E-01	6.52E-01	1.82E+00
4062	477363.09	3854877.25	0.25327	0.10794	0.12664	0.14102	0.238	0.149	0.1103	0.10794	1.77E+00	1.99E-01	1.32E-05	4.96E-03	7.47E-02	1.40E-02	7.81E-01	7.34E-01	2.11E+00
4063	477863.09	3854877.25	0.27046	0.12827	0.13081	0.14656	0.265	0.163	0.1418	0.12827	1.89E+00	2.37E-01	1.36E-05	5.16E-03	8.29E-02	1.54E-02	1.00E+00	8.72E-01	2.36E+00
4064	478363.09	3854877.25	0.33629	0.16421	0.13873	0.15034	0.282	0.183	0.1816	0.16421	2.34E+00	3.03E-01	1.44E-05	5.29E-03	8.85E-02	1.72E-02	1.29E+00	1.12E+00	2.93E+00
4065	478863.09	3854877.25	0.39249	0.20674	0.1805	0.2029	0.304	0.228	0.2014	0.20674	2.74E+00	3.82E-01	1.88E-05	7.14E-03	9.52E-02	2.15E-02	1.43E+00	1.41E+00	3.26E+00
4066	479363.09	3854877.25	0.52739	0.22617	0.21299	0.27134	0.312	0.297	0.2343	0.22617	3.68E+00	4.18E-01	2.22E-05	9.55E-03	9.79E-02	2.79E-02	1.66E+00	1.54E+00	4.35E+00
4067	479863.09	3854877.25	0.72454	0.24592	0.23901	0.3669	0.317	0.353	0.2921	0.24592	5.05E+00	4.54E-01	2.49E-05	1.29E-02	9.93E-02	3.31E-02	2.07E+00	1.67E+00	6.05E+00

4068	480363.09	3854877.25	0.88443	0.26898	0.25687	0.46682	0.312	0.457	0.3424	0.26898	6.17E+00	4.97E-01	2.67E-05	1.64E-02	9.77E-02	4.29E-02	2.43E+00	1.83E+00	7.42E+00
4069	480863.09	3854877.25	1.04586	0.37596	0.28548	0.6062	0.355	0.647	0.4813	0.37596	7.29E+00	6.94E-01	2.97E-05	2.13E-02	1.11E-01	6.08E-02	3.41E+00	2.56E+00	9.03E+00
4070	481363.09	3854877.25	1.20594	0.51124	0.34553	0.75432	0.382	0.881	0.6009	0.51124	8.41E+00	9.44E-01	3.60E-05	2.65E-02	1.20E-01	8.28E-02	4.26E+00	3.48E+00	1.04E+01
4071	481863.09	3854877.25	1.5303	0.49016	0.44472	0.89364	0.355	0.923	0.6109	0.49016	1.07E+01	9.05E-01	4.63E-05	3.15E-02	1.11E-01	8.67E-02	4.33E+00	3.33E+00	1.28E+01
4072	482363.09	3854877.25	1.98514	1.31686	0.8463	1.07376	0.369	2.356	0.9042	1.31686	1.38E+01	2.43E+00	8.81E-05	3.78E-02	1.16E-01	2.21E-01	6.41E+00	8.95E+00	1.41E+01
4073	482863.09	3854877.25	3.01008	2.33557	3.42289	1.3834	0.365	4.274	1.0763	2.33557	2.10E+01	4.31E+00	3.56E-04	4.87E-02	1.14E-01	4.02E-01	7.63E+00	1.59E+01	1.76E+01
4074	483363.09	3854877.25	3.28144	3.98005	34.59415	1.89587	0.43	3.478	1.332	3.98005	2.29E+01	7.35E+00	3.60E-03	6.67E-02	1.35E-01	3.27E-01	9.44E+00	2.71E+01	1.31E+01
4075	483863.09	3854877.25	3.59247	1.20672	16.30207	3.02689	0.425	1.952	2.2072	1.20672	2.50E+01	2.23E+00	1.70E-03	1.07E-01	1.33E-01	1.83E-01	1.56E+01	8.21E+00	3.51E+01
4076	484363.09	3854877.25	4.38871	0.59132	6.17414	7.54517	0.53	5.025	5.6386	0.59132	3.06E+01	1.09E+00	6.43E-04	2.66E-01	1.66E-01	4.72E-01	4.00E+01	4.02E+00	6.85E+01
4077	484863.09	3854877.25	4.1125	0.48186	3.74746	8.3798	0.471	3.77	3.7291	0.48186	2.87E+01	8.90E-01	3.90E-04	2.95E-01	1.48E-01	3.54E-01	2.64E+01	3.28E+00	5.35E+01
4078	485363.09	3854877.25	3.44734	0.36668	2.55005	3.32021	0.453	1.935	1.8093	0.36668	2.40E+01	6.77E-01	2.65E-04	1.17E-01	1.42E-01	1.82E-01	1.28E+01	2.49E+00	3.55E+01
4079	485863.09	3854877.25	2.93252	0.30577	1.93307	2.02175	0.442	1.187	1.1317	0.30577	2.04E+01	5.65E-01	2.01E-04	7.12E-02	1.38E-01	1.12E-01	8.02E+00	2.08E+00	2.73E+01
4080	486363.09	3854877.25	2.38043	0.25671	1.5242	1.27909	0.575	0.832	0.8133	0.25671	1.66E+01	4.74E-01	1.59E-04	4.50E-02	1.80E-01	7.82E-02	5.76E+00	1.75E+00	2.14E+01
4081	486863.09	3854877.25	2.01746	0.24829	1.22277	0.97612	0.677	0.662	0.6648	0.24829	1.41E+01	4.59E-01	1.27E-04	3.44E-02	2.12E-01	6.22E-02	4.71E+00	1.69E+00	1.79E+01
4082	487363.09	3854877.25	1.96314	0.27612	1.23362	0.93721	0.681	0.652	0.5705	0.27612	1.37E+01	5.10E-01	1.28E-04	3.30E-02	2.13E-01	6.13E-02	4.04E+00	1.88E+00	1.67E+01
4083	487863.09	3854877.25	1.85386	0.27629	1.2313	0.90678	0.52	0.63	0.5588	0.27629	1.29E+01	5.10E-01	1.28E-04	3.19E-02	1.63E-01	5.92E-02	3.96E+00	1.88E+00	1.58E+01
4084	488363.09	3854877.25	1.68991	0.26877	1.20192	0.91924	0.57	0.615	0.5351	0.26877	1.18E+01	4.96E-01	1.25E-04	3.24E-02	1.79E-01	5.78E-02	3.79E+00	1.83E+00	1.45E+01
4085	488863.09	3854877.25	1.60236	0.30069	1.11705	0.89907	0.589	0.648	0.5414	0.30069	1.12E+01	5.55E-01	1.16E-04	3.16E-02	1.85E-01	6.09E-02	3.84E+00	2.04E+00	1.38E+01
4086	489363.09	3854877.25	1.53548	0.31006	1.13701	0.8484	1.07	0.629	0.5253	0.31006	1.07E+01	5.73E-01	1.18E-04	2.99E-02	3.35E-01	5.92E-02	3.72E+00	2.11E+00	1.33E+01
4087	489863.09	3854877.25	1.45502	0.29236	0.99791	0.78906	1.084	0.541	0.4821	0.29236	1.01E+01	5.40E-01	1.04E-04	2.78E-02	3.40E-01	5.08E-02	3.42E+00	1.99E+00	1.25E+01
4088	490363.09	3854877.25	1.23523	0.24117	0.69859	0.49422	1.245	0.371	0.3384	0.24117	8.61E+00	4.45E-01	7.27E-05	1.74E-02	3.90E-01	3.48E-02	2.40E+00	1.64E+00	1.03E+01
4089	490863.09	3854877.25	0.72821	0.20683	0.49748	0.30441	0.944	0.273	0.2326	0.20683	5.08E+00	3.82E-01	5.18E-05	1.07E-02	2.96E-01	2.56E-02	1.65E+00	1.41E+00	6.03E+00
4090	491363.09	3854877.25	0.86815	0.2184	0.49714	0.35703	0.87	0.301	0.2596	0.2184	6.05E+00	4.03E-01	5.18E-05	1.26E-02	2.73E-01	2.83E-02	1.84E+00	1.49E+00	7.12E+00
4091	491863.09	3854877.25	1.21743	0.27514	0.69226	0.61402	1.189	0.474	0.3753	0.27514	8.49E+00	5.08E-01	7.21E-05	2.16E-02	3.73E-01	4.46E-02	2.66E+00	1.87E+00	1.02E+01
4092	492363.09	3854877.25	1.18353	0.26534	0.68551	0.61878	1.763	0.493	0.3815	0.26534	8.25E+00	4.90E-01	7.14E-05	2.18E-02	5.52E-01	4.63E-02	2.70E+00	1.80E+00	1.03E+01
4093	492863.09	3854877.25	1.1258	0.25611	0.64043	0.5771	2.128	0.474	0.3535	0.25611	7.85E+00	4.73E-01	6.67E-05	2.03E-02	6.67E-01	4.46E-02	2.50E+00	1.74E+00	9.82E+00
4094	493363.09	3854877.25	1.0555	0.24274	0.59587	0.52008	2.286	0.417	0.3147	0.24274	7.36E+00	4.48E-01	6.20E-05	1.83E-02	7.16E-01	3.92E-02	2.23E+00	1.65E+00	9.16E+00
4095	493863.09	3854877.25	1.01014	0.23005	0.57642	0.54219	2.307	0.374	0.29	0.23005	7.04E+00	4.25E-01	6.00E-05	1.91E-02	7.23E-01	3.52E-02	2.05E+00	1.56E+00	8.73E+00
4096	494363.09	3854877.25	0.80158	0.19889	0.42943	0.35928	1.691	0.287	0.2235	0.19889	5.59E+00	3.67E-01	4.47E-05	1.26E-02	5.30E-01	2.70E-02	1.58E+00	1.35E+00	6.76E+00
4097	494863.09	3854877.25	0.45002	0.16922	0.32065	0.2561	1.176	0.236	0.1816	0.16922	3.14E+00	3.13E-01	3.34E-05	9.01E-03	3.69E-01	2.22E-02	1.29E+00	1.15E+00	3.99E+00
4098	495363.09	3854877.25	0.34508	0.13839	0.25683	0.22175	0.965	0.199	0.1442	0.13839	2.41E+00	2.56E-01	2.67E-05	7.80E-03	3.02E-01	1.87E-02	1.02E+00	9.41E-01	3.07E+00
4099	495863.09	3854877.25	0.31943	0.11694	0.22406	0.22002	0.855	0.184	0.1254	0.11694	2.23E+00	2.16E-01	2.33E-05	7.74E-03	2.68E-01	1.73E-02	8.88E-01	7.95E-01	2.83E+00
4100	496363.09	3854877.25	0.25204	0.09609	0.20268	0.18281	0.739	0.156	0.0997	0.09609	1.76E+00	1.77E-01	2.11E-05	6.43E-03	2.32E-01	1.47E-02	7.07E-01	6.53E-01	2.24E+00
4101	496863.09	3854877.25	0.23235	0.08868	0.15812	0.17647	0.673	0.142	0.0903	0.08868	1.62E+00	1.64E-01	1.65E-05	6.21E-03	2.11E-01	1.34E-02	6.40E-01	6.03E-01	2.05E+00
4102	497363.09	3854877.25	0.2245	0.0868	0.14879	0.17659	0.661	0.137	0.0871	0.0868	1.57E+00	1.60E-01	1.55E-05	6.22E-03	2.07E-01	1.29E-02	6.17E-01	5.90E-01	1.98E+00
4103	497863.09	3854877.25	0.24596	0.08906	0.17825	0.19445	0.729	0.157	0.091	0.08906	1.71E+00	1.64E-01	1.86E-05	6.84E-03	2.28E-01	1.48E-02	6.45E-01	6.06E-01	2.17E+00
4104	498363.09	3854877.25	0.2422	0.08806	0.17131	0.19669	0.713	0.156	0.0909	0.08806	1.69E+00	1.63E-01	1.78E-05	6.92E-03	2.24E-01	1.47E-02	6.44E-01	5.99E-01	2.14E+00
4105	471363.09	3855377.25	0.21927	0.19164	0.07045	0.12445	0.128	0.15	0.2002	0.19164	1.53E+00	3.54E-01	7.33E-06	4.38E-03	4.01E-02	1.41E-02	1.42E+00	1.30E+00	2.06E+00
4106	471863.09	3855377.25	0.23336	0.197	0.07288	0.12994	0.133	0.155	0.2046	0.197	1.63E+00	3.64E-01	7.59E-06	4.57E-03	4.17E-02	1.46E-02	1.45E+00	1.34E+00	2.16E+00
4107	472363.09	3855377.25	0.25303	0.20193	0.07543	0.13585	0.136	0.163	0.2092	0.20193	1.76E+00	3.73E-01	7.85E-06	4.78E-03	4.27E-02	1.53E-02	1.48E+00	1.37E+00	2.31E+00
4108	472863.09	3855377.25	0.26435	0.20096	0.07993	0.13956	0.14	0.167	0.2104	0.20096	1.84E+00	3.71E-01	8.32E-06	4.91E-03	4.37E-02	1.57E-02	1.49E+00	1.37E+00	2.40E+00
4109	473363.09	3855377.25	0.2764	0.20242	0.08547	0.14755	0.157	0.18	0.2139	0.20242	1.93E+00	3.74E-01	8.90E-06	5.19E-03	4.91E-02	1.69E-02	1.52E+00	1.38E+00	2.51E+00
4110	473863.09	3855377.25	0.29082	0.2082	0.09045	0.15717	0.167	0.204	0.2172	0.2082	2.03E+00	3.85E-01	9.42E-06	5.53E-03	5.24E-02	1.92E-02	1.54E+00	1.42E+00	2.61E+00
4111	474363.09	3855377.25	0.30714	0.21291	0.0949	0.1796	0.168	0.223	0.2271	0.21291	2.14E+00	3.93E-01	9.88E-06	6.32E-03	5.28E-02	2.09E-02	1.61E+00	1.45E+00	2.78E+00
4112	474863.09	3855377.25	0.32803	0.17778	0.09922	0.18477	0.168	0.199	0.1936	0.17778	2.29E+00	3.28E-01	1.03E-05	6.50E-03	5.28E-02	1.87E-02	1.37E+00	1.21E+00	2.86E+00
4113	475363.09	3855377.25	0.24927	0.11908	0.10327	0.13977	0.169	0.151	0.123	0.11908	1.74E+00	2.20E-01	1.08E-05	4.92E-03	5.29E-02	1.42E-02	8.71E-01	8.10E-01	2.09E+00
4114	475863.09	3855377.25	0.21904	0.09772	0.1074	0.12535	0.177	0.144	0.0988	0.09772	1.53E+00	1.80E-01	1.12E-05	4.41E-03	5.53E-02	1.35E-02	7.00E-01	6.64E-01	1.82E+00
4115	476363.09	3855377.25	0.23803	0.10761	0.11104	0.13608	0.178	0.151	0.113	0.10761	1.66E+00	1.99E-01	1.16E-05	4.79E-03	5.57E-02	1.41E-02	8.00E-01	7.32E-01	2.00E+00
4116	476863.09	3855377.25	0.23442	0.10713	0.11532	0.1333	0.193	0.147	0.1105	0.10713	1.63E+00	1.98E-01	1.20E-05	4.69E-03	6.05E-02	1.38E-02	7.83E-01	7.28E-01	1.97E+00
4117	477363.09	3855377.25	0.24472	0.11944	0.11865	0.13997	0.212	0.153	0.1181	0.11944	1.71E+00	2.21E-01	1.24E-05	4.93E-03	6.63E-02	1.44E-02	8.37E-01	8.12E-01	2.04E+00
4118	477863.09	3855377.25	0.30472	0.1373	0.121	0.15984	0.229	0.18	0.1416	0.1373	2.12E+00	2.54E-01	1.26E-05	5.63E-03	7.19E-02	1.69E-02	1.00E+00	9.34E-01	2.54E+00
4119	478363.09	3855377.25	0.35266	0.17235	0.12962	0.19342	0.27	0.196	0.1735	0.17235	2.46E+00	3.18E-01	1.35E-05	6.81E-03	8.46E-02	1.84E-02	1.23E+00	1.17E+00	2.94E+00
4120	478863.09	3855377.25	0.41964	0.1951	0.14391	0.24368	0.285	0.209	0.1953	0.1951	2.93E+00	3.60E-01	1.50E-05	8.58E-03	8.93E-02	1.96E-02	1.38E+00	1.33E+00	3.46E+00
4121	479363.09	3855377.25	0.61596	0.2159	0.15562	0.33092	0.31	0.279	0.2243	0.2159	4.29E+00	3.99E-01	1.62E-05	1.16E-02	9.73E-02	2.63E-02	1.59E+00	1.47E+00	4.95E+00
4122	479863.09	3855377.25	0.78643	0.24004	0.19159	0.39264	0.335	0.369	0.2846	0.24004	5.48E+00	4.43E-01	1.99E-05	1.38E-02	1.05E-01	3.47E-02	2.02E+00	1.63E+00	6.46E+00
4123	480363.09	3855377.25	1.03435	0.26792	0.22807	0.49541	0.375	0.512	0.3748	0.26792	7.21E+00	4.95E-01	2.37E-05	1.74E-02	1.17E-01	4.81E-02	2.66E+00	1.82E+00	8.72E+00
4124	480863.09	3855377.25	1.20616	0.38475	0.43312	0.62221	0.393	0.696	0.4825	0.38475	8.41E+00	7.11E-01	4.51E-05	2.19E-02	1.23E-01	6.54E-02	3.42E+00	2.62E+00	1.01E+01
4125	481363.09	3855377.25	1.32095	0.61666	0.5181	0.76371	0.437	1.05	0.6083	0.61666	9.21E+00	1.14E+00	5.39E-05	2.69E-02	1.37E-01	9.87E-02	4.31E+00	4.19E+00	1.07E+01
4126	481863.09	3855377.25	1.6225	0.89168	0.76872	0.81864	0.499	1.363	0.6896	0.89168	1.13E+01	1.65E+00	8.00E-05	2.88E-02	1.56E-01	1.28E-01	4.89E+00	6.06E+00	1.21E+01

4127	482363.09	3855377.25	2.25979	1.12817	1.31634	0.86145	0.517	1.854	0.7325	1.12817	1.58E+01	2.08E+00	1.37E-04	3.03E-02	1.62E-01	1.74E-01	5.19E+00	7.67E+00	1.57E+01
4128	482863.09	3855377.25	3.51014	1.49532	1.30759	1.0717	0.503	2.189	0.8025	1.49532	2.45E+01	2.76E+00	1.36E-04	3.77E-02	1.58E-01	2.06E-01	5.69E+00	1.02E+01	2.32E+01
4129	483363.09	3855377.25	3.52679	2.39012	0.99759	1.25926	0.491	4.957	0.8452	2.39012	2.46E+01	4.41E+00	1.04E-04	4.43E-02	1.54E-01	4.66E-01	5.99E+00	1.63E+01	1.94E+01
4130	483863.09	3855377.25	3.93183	4.63603	1.9284	1.55511	0.49	2.229	1.143	4.63603	2.74E+01	8.56E+00	2.01E-04	5.47E-02	1.54E-01	2.10E-01	8.10E+00	3.15E+01	1.30E+01
4131	484363.09	3855377.25	4.24939	1.26826	4.02941	2.24035	0.547	1.555	1.5371	1.26826	2.96E+01	2.34E+00	4.19E-04	7.89E-02	1.71E-01	1.46E-01	1.09E+01	8.62E+00	3.46E+01
4132	484863.09	3855377.25	4.78096	0.89188	2.85023	3.78985	0.668	2.349	2.7889	0.89188	3.33E+01	1.65E+00	2.97E-04	1.33E-01	2.09E-01	2.21E-01	1.98E+01	6.06E+00	4.92E+01
4133	485363.09	3855377.25	4.57004	0.66973	2.5306	10.47539	0.697	4.205	3.4526	0.66973	3.19E+01	1.24E+00	2.63E-04	3.69E-01	2.18E-01	3.95E-01	2.45E+01	4.55E+00	5.40E+01
4134	485863.09	3855377.25	3.64748	0.51535	1.95894	3.86403	0.672	2.17	1.8261	0.51535	2.54E+01	9.52E-01	2.04E-04	1.36E-01	2.11E-01	2.04E-01	1.29E+01	3.50E+00	3.64E+01
4135	486363.09	3855377.25	3.16898	0.3749	2.13269	2.23052	0.657	1.446	1.2039	0.3749	2.21E+01	6.92E-01	2.22E-04	7.85E-02	2.06E-01	1.36E-01	8.53E+00	2.55E+00	2.92E+01
4136	486863.09	3855377.25	2.80672	0.31077	1.6742	1.46168	0.829	1.051	0.9806	0.31077	1.96E+01	5.74E-01	1.74E-04	5.14E-02	2.60E-01	9.88E-02	6.95E+00	2.11E+00	2.54E+01
4137	487363.09	3855377.25	2.46095	0.31521	1.78676	1.3873	1.035	0.929	0.8341	0.31521	1.72E+01	5.82E-01	1.86E-04	4.88E-02	3.24E-01	8.73E-02	5.91E+00	2.14E+00	2.20E+01
4138	487863.09	3855377.25	2.298	0.33673	1.57706	1.35408	0.761	0.909	0.7707	0.33673	1.60E+01	6.22E-01	1.64E-04	4.77E-02	2.38E-01	8.54E-02	5.46E+00	2.29E+00	2.02E+01
4139	488363.09	3855377.25	2.03707	0.35614	1.53331	1.25519	0.702	0.869	0.7225	0.35614	1.42E+01	6.58E-01	1.60E-04	4.42E-02	2.20E-01	8.17E-02	5.12E+00	2.42E+00	1.79E+01
4140	488863.09	3855377.25	1.88425	0.34982	1.48335	1.17233	1.315	0.823	0.655	0.34982	1.31E+01	6.46E-01	1.54E-04	4.13E-02	4.12E-01	7.74E-02	4.64E+00	2.38E+00	1.66E+01
4141	489363.09	3855377.25	1.75897	0.33469	1.2945	1.03595	1.8	0.779	0.6195	0.33469	1.23E+01	6.18E-01	1.35E-04	3.65E-02	5.64E-01	7.33E-02	4.39E+00	2.28E+00	1.57E+01
4142	489863.09	3855377.25	1.67012	0.32418	1.19945	0.93645	1.907	0.709	0.5765	0.32418	1.16E+01	5.99E-01	1.25E-04	3.30E-02	5.98E-01	6.66E-02	4.08E+00	2.20E+00	1.48E+01
4143	490363.09	3855377.25	1.57992	0.33309	1.0765	0.91232	1.683	0.709	0.5351	0.33309	1.10E+01	6.15E-01	1.12E-04	3.21E-02	5.27E-01	6.67E-02	3.79E+00	2.26E+00	1.38E+01
4144	490863.09	3855377.25	1.22248	0.21931	0.66473	0.50953	1.395	0.405	0.309	0.21931	8.52E+00	4.05E-01	6.92E-05	1.79E-02	4.37E-01	3.81E-02	2.19E+00	1.49E+00	1.01E+01
4145	491363.09	3855377.25	1.00999	0.2153	0.5862	0.43547	1.623	0.345	0.2746	0.2153	7.04E+00	3.98E-01	6.10E-05	1.53E-02	5.09E-01	3.25E-02	1.95E+00	1.46E+00	8.48E+00
4146	491863.09	3855377.25	1.31453	0.28864	0.82961	0.68795	3.156	0.579	0.4261	0.28864	9.16E+00	5.33E-01	8.64E-05	2.42E-02	9.89E-01	5.45E-02	3.02E+00	1.96E+00	1.18E+01
4147	492363.09	3855377.25	1.26349	0.29667	0.81219	0.69711	3.313	0.563	0.4186	0.29667	8.81E+00	5.48E-01	8.46E-05	2.45E-02	1.04E+00	5.29E-02	2.97E+00	2.02E+00	1.14E+01
4148	492863.09	3855377.25	1.20292	0.29129	0.71148	0.61278	3.309	0.519	0.3799	0.29129	8.39E+00	5.38E-01	7.41E-05	2.16E-02	1.04E+00	4.87E-02	2.69E+00	1.98E+00	1.07E+01
4149	493363.09	3855377.25	1.0879	0.25281	0.62913	0.67773	2.873	0.442	0.3299	0.25281	7.58E+00	4.67E-01	6.55E-05	2.39E-02	9.00E-01	4.15E-02	2.34E+00	1.72E+00	9.64E+00
4150	493863.09	3855377.25	0.87713	0.21252	0.48074	0.42336	1.997	0.342	0.2698	0.21252	6.12E+00	3.93E-01	5.00E-05	1.49E-02	6.26E-01	3.22E-02	1.91E+00	1.45E+00	7.65E+00
4151	494363.09	3855377.25	0.53453	0.17016	0.36023	0.3164	1.523	0.27	0.1889	0.17016	3.73E+00	3.14E-01	3.75E-05	1.11E-02	4.77E-01	2.54E-02	1.34E+00	1.16E+00	4.74E+00
4152	494863.09	3855377.25	0.36567	0.13365	0.26763	0.25612	1.121	0.207	0.1444	0.13365	2.55E+00	2.47E-01	2.79E-05	9.01E-03	3.51E-01	1.94E-02	1.02E+00	9.09E-01	3.29E+00
4153	495363.09	3855377.25	0.28553	0.10778	0.21693	0.21581	0.934	0.174	0.1154	0.10778	1.99E+00	1.99E-01	2.26E-05	7.60E-03	2.93E-01	1.64E-02	8.17E-01	7.33E-01	2.59E+00
4154	495863.09	3855377.25	0.24118	0.09636	0.17648	0.20341	0.817	0.154	0.0965	0.09636	1.68E+00	1.78E-01	1.84E-05	7.16E-03	2.56E-01	1.45E-02	6.84E-01	6.55E-01	2.17E+00
4155	496363.09	3855377.25	0.23413	0.09272	0.17517	0.19665	0.744	0.148	0.0952	0.09272	1.63E+00	1.71E-01	1.82E-05	6.92E-03	2.33E-01	1.39E-02	6.75E-01	6.30E-01	2.10E+00
4156	496863.09	3855377.25	0.22749	0.09029	0.16717	0.19364	0.716	0.143	0.0922	0.09029	1.59E+00	1.67E-01	1.74E-05	6.82E-03	2.24E-01	1.34E-02	6.53E-01	6.14E-01	2.04E+00
4157	497363.09	3855377.25	0.23324	0.09043	0.16187	0.206	0.718	0.151	0.0931	0.09043	1.63E+00	1.67E-01	1.69E-05	7.25E-03	2.25E-01	1.42E-02	6.60E-01	6.15E-01	2.08E+00
4158	497863.09	3855377.25	0.24725	0.09161	0.17594	0.22123	0.744	0.162	0.0948	0.09161	1.72E+00	1.69E-01	1.83E-05	7.79E-03	2.33E-01	1.52E-02	6.72E-01	6.23E-01	2.20E+00
4159	498363.09	3855377.25	0.25738	0.09817	0.19076	0.22764	0.768	0.173	0.0992	0.09817	1.79E+00	1.81E-01	1.99E-05	8.01E-03	2.41E-01	1.63E-02	7.03E-01	6.68E-01	2.28E+00
4160	471363.09	3855877.25	0.25245	0.184	0.06603	0.13127	0.119	0.145	0.2	0.184	1.76E+00	3.40E-01	6.87E-06	4.62E-03	3.74E-02	1.36E-02	1.42E+00	1.25E+00	2.32E+00
4161	471863.09	3855877.25	0.2651	0.18779	0.06784	0.13634	0.121	0.157	0.2049	0.18779	1.85E+00	3.47E-01	7.06E-06	4.80E-03	3.78E-02	1.47E-02	1.45E+00	1.28E+00	2.43E+00
4162	472363.09	3855877.25	0.28888	0.19275	0.07125	0.15042	0.122	0.174	0.2068	0.19275	2.01E+00	3.56E-01	7.42E-06	5.29E-03	3.82E-02	1.63E-02	1.46E+00	1.31E+00	2.58E+00
4163	472863.09	3855877.25	0.30189	0.19448	0.07358	0.16186	0.126	0.189	0.2042	0.19448	2.10E+00	3.59E-01	7.66E-06	5.70E-03	3.96E-02	1.78E-02	1.45E+00	1.32E+00	2.65E+00
4164	473363.09	3855877.25	0.31664	0.20201	0.08011	0.16451	0.132	0.224	0.2116	0.20201	2.21E+00	3.73E-01	8.34E-06	5.79E-03	4.13E-02	2.10E-02	1.50E+00	1.37E+00	2.77E+00
4165	473863.09	3855877.25	0.33754	0.20854	0.08713	0.17644	0.138	0.241	0.2188	0.20854	2.35E+00	3.85E-01	9.07E-06	6.21E-03	4.33E-02	2.27E-02	1.55E+00	1.42E+00	2.94E+00
4166	474363.09	3855877.25	0.36356	0.2113	0.09036	0.19761	0.146	0.247	0.2192	0.2113	2.53E+00	3.90E-01	9.41E-06	6.96E-03	4.57E-02	2.32E-02	1.55E+00	1.44E+00	3.12E+00
4167	474863.09	3855877.25	0.36792	0.17246	0.08984	0.18341	0.157	0.212	0.202	0.17246	2.57E+00	3.19E-01	9.35E-06	6.46E-03	4.91E-02	1.99E-02	1.43E+00	1.17E+00	3.22E+00
4168	475363.09	3855877.25	0.29648	0.12475	0.09197	0.16375	0.163	0.173	0.129	0.12475	2.07E+00	2.30E-01	9.57E-06	5.76E-03	5.12E-02	1.63E-02	9.14E-01	8.48E-01	2.44E+00
4169	475863.09	3855877.25	0.21452	0.0841	0.09258	0.11728	0.163	0.131	0.0815	0.0841	1.50E+00	1.55E-01	9.64E-06	4.13E-03	5.10E-02	1.23E-02	5.78E-01	5.72E-01	1.72E+00
4170	476363.09	3855877.25	0.2213	0.08745	0.09723	0.12452	0.172	0.138	0.0881	0.08745	1.54E+00	1.62E-01	1.01E-05	4.38E-03	5.40E-02	1.30E-02	6.24E-01	5.95E-01	1.81E+00
4171	476863.09	3855877.25	0.25703	0.11044	0.10537	0.14083	0.188	0.159	0.116	0.11044	1.79E+00	2.04E-01	1.10E-05	4.96E-03	5.88E-02	1.50E-02	8.22E-01	7.51E-01	2.15E+00
4172	477363.09	3855877.25	0.29421	0.12411	0.12232	0.15346	0.197	0.172	0.1314	0.12411	2.05E+00	2.29E-01	1.27E-05	5.40E-03	6.18E-02	1.61E-02	9.31E-01	8.44E-01	2.45E+00
4173	477863.09	3855877.25	0.32609	0.13559	0.14012	0.17574	0.208	0.182	0.1459	0.13559	2.27E+00	2.50E-01	1.46E-05	6.19E-03	6.51E-02	1.71E-02	1.03E+00	9.22E-01	2.72E+00
4174	478363.09	3855877.25	0.41805	0.15818	0.15644	0.22038	0.223	0.217	0.1789	0.15818	2.91E+00	2.92E-01	1.63E-05	7.76E-03	7.00E-02	2.04E-02	1.27E+00	1.08E+00	3.50E+00
4175	478863.09	3855877.25	0.60546	0.1905	0.16665	0.26649	0.244	0.262	0.2038	0.1905	4.22E+00	3.52E-01	1.73E-05	9.38E-03	7.64E-02	2.46E-02	1.44E+00	1.30E+00	4.83E+00
4176	479363.09	3855877.25	0.77156	0.21617	0.1841	0.35325	0.273	0.316	0.2552	0.21617	5.38E+00	3.99E-01	1.92E-05	1.24E-02	8.55E-02	2.97E-02	1.81E+00	1.47E+00	6.24E+00
4177	479863.09	3855877.25	0.93127	0.23559	0.23753	0.39615	0.308	0.363	0.2975	0.23559	6.49E+00	4.35E-01	2.47E-05	1.39E-02	9.66E-02	3.41E-02	2.11E+00	1.60E+00	7.58E+00
4178	480363.09	3855877.25	1.11497	0.26349	0.29598	0.49193	0.349	0.497	0.3569	0.26349	7.77E+00	4.87E-01	3.08E-05	1.73E-02	1.09E-01	4.67E-02	2.53E+00	1.79E+00	9.17E+00
4179	480863.09	3855877.25	1.30187	0.36987	0.30755	0.58895	0.386	0.652	0.4714	0.36987	9.08E+00	6.83E-01	3.20E-05	2.07E-02	1.21E-01	6.13E-02	3.34E+00	2.52E+00	1.08E+01
4180	481363.09	3855877.25	1.70002	0.36212	0.37678	0.65093	0.414	0.682	0.4922	0.36212	1.19E+01	6.69E-01	3.92E-05	2.29E-02	1.30E-01	6.41E-02	3.49E+00	2.46E+00	1.38E+01
4181	481863.09	3855877.25	1.75173	0.75892	0.52041	0.75252	0.458	1.163	0.61	0.75892	1.22E+01	1.40E+00	5.42E-05	2.65E-02	1.44E-01	1.09E-01	4.32E+00	5.16E+00	1.31E+01
4182	482363.09	3855877.25	2.28301	0.89255	0.52907	0.78042	0.502	1.306	0.5931	0.89255	1.59E+01	1.65E+00	5.51E-05	2.75E-02	1.57E-01	1.23E-01	4.20E+00	6.07E+00	1.60E+01
4183	482863.09	3855877.25	3.14063	1.04629	0.58795	0.86273	0.601	1.635	0.671	1.04629	2.19E+01	1.93E+00	6.12E-05	3.04E-02	1.88E-01	1.54E-01	4.75E+00	7.11E+00	2.18E+01
4184	483363.09	3855877.25	3.74907	1.34888	0.6742	0.969	0.803	2.464	0.6726	1.34888	2.61E+01	2.49E+00	7.02E-05	3.41E-02	2.52E-01	2.32E-01	4.77E+00	9.17E+00	2.47E+01
4185	483863.09	3855877.25	3.87715	2.24919	2.28388	1.19711	0.781	6.184	0.8227	2.24919	2.70E+01	4.15E+00	2.38E-04	4.21E-02	2.45E-01	5.81E-01	5.83E+00	1.53E+01	2.26E+01

4186	484363.09	3855877.25	4.16806	5.92507	4.31917	1.44283	0.746	2.05	1.0066	5.92507	2.91E+01	1.09E+01	4.50E-04	5.08E-02	2.34E-01	1.93E-01	7.13E+00	4.03E+01	7.32E+00
4187	484863.09	3855877.25	4.4326	1.88945	5.87285	1.9761	0.786	1.488	1.3438	1.88945	3.09E+01	3.49E+00	6.11E-04	6.96E-02	2.46E-01	1.40E-01	9.52E+00	1.28E+01	3.15E+01
4188	485363.09	3855877.25	4.92437	1.16255	9.58671	3.14863	1.026	2.024	2.6771	1.16255	3.43E+01	2.15E+00	9.98E-04	1.11E-01	3.22E-01	1.90E-01	1.90E+01	7.91E+00	4.82E+01
4189	485863.09	3855877.25	5.20548	0.76159	5.78676	18.331	1.214	5.15	3.7751	0.76159	3.63E+01	1.41E+00	6.02E-04	6.45E-01	3.80E-01	4.84E-01	2.67E+01	5.18E+00	6.08E+01
4190	486363.09	3855877.25	4.04644	0.56583	3.68742	3.86557	1.139	2.005	1.5594	0.56583	2.82E+01	1.05E+00	3.84E-04	1.36E-01	3.57E-01	1.88E-01	1.10E+01	3.85E+00	3.71E+01
4191	486863.09	3855877.25	3.39473	0.45677	2.93064	2.41269	1.37	1.429	1.1858	0.45677	2.37E+01	8.44E-01	3.05E-04	8.49E-02	4.29E-01	1.34E-01	8.40E+00	3.11E+00	3.05E+01
4192	487363.09	3855877.25	2.89429	0.44446	2.55587	2.03126	1.485	1.328	1.0864	0.44446	2.02E+01	8.21E-01	2.66E-04	7.15E-02	4.65E-01	1.25E-01	7.70E+00	3.02E+00	2.63E+01
4193	487863.09	3855877.25	2.5476	0.44251	2.17534	1.73863	1.461	1.227	0.983	0.44251	1.78E+01	8.17E-01	2.26E-04	6.12E-02	4.58E-01	1.15E-01	6.96E+00	3.01E+00	2.32E+01
4194	488363.09	3855877.25	2.26067	0.43337	1.79513	1.52033	2.077	1.135	0.8559	0.43337	1.58E+01	8.00E-01	1.87E-04	5.35E-02	6.51E-01	1.07E-01	6.06E+00	2.95E+00	2.05E+01
4195	488863.09	3855877.25	2.01687	0.42636	1.57217	1.40853	3.464	1.065	0.799	0.42636	1.41E+01	7.87E-01	1.64E-04	4.96E-02	1.09E+00	1.00E-01	5.66E+00	2.90E+00	1.88E+01
4196	489363.09	3855877.25	1.79636	0.40979	1.36	1.23156	3.393	0.98	0.7098	0.40979	1.25E+01	7.57E-01	1.42E-04	4.33E-02	1.06E+00	9.21E-02	5.03E+00	2.79E+00	1.67E+01
4197	489863.09	3855877.25	1.71172	0.39177	1.21237	1.10703	3.668	0.927	0.6407	0.39177	1.19E+01	7.24E-01	1.26E-04	3.90E-02	1.15E+00	8.71E-02	4.54E+00	2.66E+00	1.58E+01
4198	490363.09	3855877.25	1.58866	0.38535	1.06108	1.06835	5.032	0.889	0.5868	0.38535	1.11E+01	7.12E-01	1.10E-04	3.76E-02	1.58E+00	8.36E-02	4.16E+00	2.62E+00	1.50E+01
4199	490863.09	3855877.25	1.44602	0.34517	0.96479	0.99315	5.561	0.761	0.5082	0.34517	1.01E+01	6.38E-01	1.00E-04	3.50E-02	1.74E+00	7.15E-02	3.60E+00	2.35E+00	1.38E+01
4200	491363.09	3855877.25	1.41766	0.2681	0.77927	0.83293	4.776	0.61	0.4441	0.2681	9.88E+00	4.95E-01	8.11E-05	2.93E-02	1.50E+00	5.74E-02	3.15E+00	1.82E+00	1.33E+01
4201	491863.09	3855877.25	1.29966	0.31538	0.81495	0.93334	5.292	0.699	0.4443	0.31538	9.06E+00	5.82E-01	8.48E-05	3.28E-02	1.66E+00	6.57E-02	3.15E+00	2.14E+00	1.24E+01
4202	492363.09	3855877.25	1.2596	0.29065	0.76462	0.76735	4.817	0.604	0.4287	0.29065	8.78E+00	5.37E-01	7.96E-05	2.70E-02	1.51E+00	5.68E-02	3.04E+00	1.98E+00	1.20E+01
4203	492863.09	3855877.25	1.20843	0.27587	0.73386	0.81929	4.422	0.552	0.3904	0.27587	8.42E+00	5.10E-01	7.64E-05	2.88E-02	1.39E+00	5.18E-02	2.77E+00	1.88E+00	1.13E+01
4204	493363.09	3855877.25	1.06066	0.21841	0.57691	0.57548	3.063	0.389	0.2801	0.21841	7.39E+00	4.03E-01	6.01E-05	2.03E-02	9.60E-01	3.66E-02	1.98E+00	1.49E+00	9.31E+00
4205	493863.09	3855877.25	0.68377	0.1823	0.40425	0.39341	1.991	0.298	0.2177	0.1823	4.77E+00	3.37E-01	4.21E-05	1.38E-02	6.24E-01	2.80E-02	1.54E+00	1.24E+00	6.07E+00
4206	494363.09	3855877.25	0.37966	0.14707	0.28478	0.32976	1.321	0.236	0.1676	0.14707	2.65E+00	2.72E-01	2.96E-05	1.16E-02	4.14E-01	2.22E-02	1.19E+00	1.00E+00	3.55E+00
4207	494863.09	3855877.25	0.31686	0.11667	0.23706	0.253	1.053	0.191	0.1329	0.11667	2.21E+00	2.15E-01	2.47E-05	8.90E-03	3.30E-01	1.79E-02	9.42E-01	7.93E-01	2.93E+00
4208	495363.09	3855877.25	0.22822	0.09492	0.1803	0.21826	0.74	0.156	0.093	0.09492	1.59E+00	1.75E-01	1.88E-05	7.68E-03	2.32E-01	1.47E-02	6.59E-01	6.45E-01	2.03E+00
4209	495863.09	3855877.25	0.22263	0.09106	0.17093	0.21874	0.698	0.147	0.0909	0.09106	1.55E+00	1.68E-01	1.78E-05	7.70E-03	2.19E-01	1.38E-02	6.44E-01	6.19E-01	1.99E+00
4210	496363.09	3855877.25	0.22079	0.08694	0.17303	0.21374	0.686	0.152	0.0912	0.08694	1.54E+00	1.61E-01	1.80E-05	7.52E-03	2.15E-01	1.43E-02	6.46E-01	5.91E-01	1.99E+00
4211	496863.09	3855877.25	0.22969	0.08746	0.17307	0.22193	0.722	0.158	0.0931	0.08746	1.60E+00	1.62E-01	1.80E-05	7.81E-03	2.26E-01	1.48E-02	6.60E-01	5.95E-01	2.08E+00
4212	497363.09	3855877.25	0.23226	0.0943	0.17645	0.23713	0.744	0.172	0.0978	0.0943	1.62E+00	1.74E-01	1.84E-05	8.35E-03	2.33E-01	1.62E-02	6.93E-01	6.41E-01	2.10E+00
4213	497863.09	3855877.25	0.25846	0.09895	0.19467	0.24212	0.778	0.18	0.1032	0.09895	1.80E+00	1.83E-01	2.03E-05	8.52E-03	2.44E-01	1.69E-02	7.31E-01	6.73E-01	2.31E+00
4214	498363.09	3855877.25	0.28143	0.11289	0.21433	0.25342	0.889	0.209	0.1134	0.11289	1.96E+00	2.08E-01	2.23E-05	8.92E-03	2.79E-01	1.96E-02	8.03E-01	7.68E-01	2.51E+00
4215	471363.09	3856377.25	0.27203	0.18631	0.06138	0.13495	0.145	0.169	0.1926	0.18631	1.90E+00	3.44E-01	6.39E-06	4.75E-03	4.55E-02	1.59E-02	1.36E+00	1.27E+00	2.40E+00
4216	471863.09	3856377.25	0.28289	0.18685	0.06319	0.15165	0.147	0.172	0.1959	0.18685	1.97E+00	3.45E-01	6.58E-06	5.34E-03	4.60E-02	1.62E-02	1.39E+00	1.27E+00	2.50E+00
4217	472363.09	3856377.25	0.31131	0.19061	0.06535	0.15911	0.149	0.178	0.2004	0.19061	2.17E+00	3.52E-01	6.80E-06	5.60E-03	4.66E-02	1.68E-02	1.42E+00	1.30E+00	2.72E+00
4218	472863.09	3856377.25	0.35292	0.19214	0.07254	0.16174	0.15	0.192	0.2066	0.19214	2.46E+00	3.55E-01	7.55E-06	5.69E-03	4.71E-02	1.81E-02	1.46E+00	1.31E+00	3.04E+00
4219	473363.09	3856377.25	0.38239	0.19653	0.0773	0.16391	0.154	0.207	0.2096	0.19653	2.67E+00	3.63E-01	8.05E-06	5.77E-03	4.82E-02	1.94E-02	1.49E+00	1.34E+00	3.25E+00
4220	473863.09	3856377.25	0.40795	0.20501	0.07994	0.17134	0.162	0.241	0.2165	0.20501	2.84E+00	3.79E-01	8.32E-06	6.03E-03	5.08E-02	2.27E-02	1.53E+00	1.39E+00	3.44E+00
4221	474363.09	3856377.25	0.43444	0.20323	0.0868	0.1828	0.164	0.246	0.2189	0.20323	3.03E+00	3.75E-01	9.04E-06	6.43E-03	5.12E-02	2.31E-02	1.55E+00	1.38E+00	3.65E+00
4222	474863.09	3856377.25	0.45679	0.18919	0.0912	0.19262	0.171	0.237	0.2168	0.18919	3.18E+00	3.49E-01	9.49E-06	6.78E-03	5.34E-02	2.22E-02	1.54E+00	1.29E+00	3.87E+00
4223	475363.09	3856377.25	0.47203	0.15655	0.09279	0.19232	0.167	0.214	0.1782	0.15655	3.29E+00	2.89E-01	9.66E-06	6.77E-03	5.24E-02	2.01E-02	1.26E+00	1.06E+00	3.86E+00
4224	475863.09	3856377.25	0.35976	0.12273	0.10043	0.15537	0.17	0.167	0.1286	0.12273	2.51E+00	2.27E-01	1.05E-05	5.47E-03	5.32E-02	1.57E-02	9.11E-01	8.35E-01	2.89E+00
4225	476363.09	3856377.25	0.33844	0.11693	0.10581	0.1476	0.179	0.175	0.125	0.11693	2.36E+00	2.16E-01	1.10E-05	5.19E-03	5.61E-02	1.65E-02	8.86E-01	7.95E-01	2.74E+00
4226	476863.09	3856377.25	0.34981	0.12254	0.11168	0.15911	0.183	0.187	0.1287	0.12254	2.44E+00	2.26E-01	1.16E-05	5.60E-03	5.74E-02	1.76E-02	9.12E-01	8.33E-01	2.82E+00
4227	477363.09	3856377.25	0.36415	0.13543	0.12756	0.17156	0.184	0.194	0.1419	0.13543	2.54E+00	2.50E-01	1.33E-05	6.04E-03	5.77E-02	1.83E-02	1.01E+00	9.21E-01	2.96E+00
4228	477863.09	3856377.25	0.29322	0.12326	0.15142	0.15837	0.178	0.193	0.1328	0.12326	2.04E+00	2.28E-01	1.58E-05	5.57E-03	5.59E-02	1.81E-02	9.41E-01	8.38E-01	2.45E+00
4229	478363.09	3856377.25	0.3088	0.11819	0.14905	0.15539	0.19	0.182	0.1183	0.11819	2.15E+00	2.18E-01	1.55E-05	5.47E-03	5.94E-02	1.71E-02	8.38E-01	8.04E-01	2.49E+00
4230	478863.09	3856377.25	0.51845	0.16376	0.22869	0.21949	0.223	0.23	0.1777	0.16376	3.61E+00	3.02E-01	2.38E-05	7.73E-03	6.99E-02	2.16E-02	1.26E+00	1.11E+00	4.16E+00
4231	479363.09	3856377.25	0.73229	0.20012	0.26405	0.2579	0.255	0.269	0.2071	0.20012	5.11E+00	3.70E-01	2.75E-05	9.08E-03	8.00E-02	2.53E-02	1.47E+00	1.36E+00	5.70E+00
4232	479863.09	3856377.25	0.95258	0.2239	0.27682	0.4264	0.296	0.364	0.2718	0.2239	6.64E+00	4.14E-01	2.88E-05	1.50E-02	9.29E-02	3.42E-02	1.93E+00	1.52E+00	7.60E+00
4233	480363.09	3856377.25	1.11061	0.2687	0.30296	0.53507	0.298	0.495	0.3626	0.2687	7.74E+00	4.96E-01	3.15E-05	1.88E-02	9.33E-02	4.65E-02	2.57E+00	1.83E+00	9.14E+00
4234	480863.09	3856377.25	1.37182	0.35454	0.29918	0.59688	0.304	0.573	0.4231	0.35454	9.56E+00	6.55E-01	3.11E-05	2.10E-02	9.52E-02	5.39E-02	3.00E+00	2.41E+00	1.10E+01
4235	481363.09	3856377.25	1.55498	0.52793	0.35432	0.64975	0.353	0.761	0.4984	0.52793	1.08E+01	9.75E-01	3.69E-05	2.29E-02	1.11E-01	7.15E-02	3.53E+00	3.59E+00	1.20E+01
4236	481863.09	3856377.25	1.62998	0.66583	0.4625	0.66567	0.388	1.02	0.5466	0.66583	1.14E+01	1.23E+00	4.81E-05	2.34E-02	1.22E-01	9.59E-02	3.87E+00	4.53E+00	1.22E+01
4237	482363.09	3856377.25	1.95816	0.76077	0.82994	0.68813	0.443	1.262	0.5317	0.76077	1.37E+01	1.41E+00	8.64E-05	2.42E-02	1.39E-01	1.19E-01	3.77E+00	5.17E+00	1.39E+01
4238	482863.09	3856377.25	2.6085	0.92667	0.45578	0.74021	0.502	1.439	0.5968	0.92667	1.82E+01	1.71E+00	4.74E-05	2.61E-02	1.57E-01	1.35E-01	4.23E+00	6.30E+00	1.81E+01
4239	483363.09	3856377.25	3.86277	1.05453	0.77295	0.84372	0.578	1.783	0.6128	1.05453	2.69E+01	1.95E+00	8.05E-05	2.97E-02	1.81E-01	1.68E-01	4.34E+00	7.17E+00	2.64E+01
4240	483863.09	3856377.25	3.88237	1.39127	1.73963	0.95483	0.727	2.504	0.6854	1.39127	2.71E+01	2.57E+00	1.81E-04	3.36E-02	2.28E-01	2.35E-01	4.86E+00	9.46E+00	2.55E+01
4241	484363.09	3856377.25	4.07196	2.09689	2.45113	1.13298	0.965	7.287	0.7843	2.09689	2.84E+01	3.87E+00	2.55E-04	3.99E-02	3.02E-01	6.85E-01	5.56E+00	1.43E+01	2.46E+01
4242	484863.09	3856377.25	4.40947	6.80331	3.92781	1.36756	1.383	2.764	1.0136	6.80331	3.07E+01	1.26E+01	4.09E-04	4.81E-02	4.33E-01	2.60E-01	7.18E+00	4.63E+01	4.97E+00
4243	485363.09	3856377.25	4.66821	2.49163	8.00882	1.82964	1.598	1.654	1.2944	2.49163	3.25E+01	4.60E+00	8.34E-04	6.44E-02	5.01E-01	1.55E-01	9.17E+00	1.69E+01	3.01E+01
4244	485863.09	3856377.25	5.14678	1.29655	4.90992	2.81409	1.926	1.941	2.3213	1.29655	3.59E+01	2.39E+00	5.11E-04	9.90E-02	6.03E-01	1.82E-01	1.64E+01	8.82E+00	4.68E+01

4245	486363.09	3856377.25	5.71365	0.71451	2.74362	11.22443	3.007	6.852	4.0564	0.71451	3.98E+01	1.32E+00	2.86E-04	3.95E-01	9.42E-01	6.44E-01	2.87E+01	4.86E+00	6.70E+01
4246	486863.09	3856377.25	4.23391	0.68583	2.45135	5.27092	3.016	2.694	2.1052	0.68583	2.95E+01	1.27E+00	2.55E-04	1.86E-01	9.45E-01	2.53E-01	1.49E+01	4.66E+00	4.24E+01
4247	487363.09	3856377.25	3.26123	0.63114	2.08336	3.02062	3.565	1.888	1.4801	0.63114	2.27E+01	1.17E+00	2.17E-04	1.06E-01	1.12E+00	1.77E-01	1.05E+01	4.29E+00	3.15E+01
4248	487863.09	3856377.25	2.74414	0.60082	1.60167	2.21842	5.349	1.63	1.1621	0.60082	1.91E+01	1.11E+00	1.67E-04	7.81E-02	1.68E+00	1.53E-01	8.23E+00	4.09E+00	2.63E+01
4249	488363.09	3856377.25	2.37071	0.60118	1.32876	1.86135	9.484	1.455	1.0157	0.60118	1.65E+01	1.11E+00	1.38E-04	6.55E-02	2.97E+00	1.37E-01	7.20E+00	4.09E+00	2.39E+01
4250	488863.09	3856377.25	2.15739	0.60134	1.30278	1.5603	10.9	1.319	0.9114	0.60134	1.50E+01	1.11E+00	1.36E-04	5.49E-02	3.42E+00	1.24E-01	6.46E+00	4.09E+00	2.21E+01
4251	489363.09	3856377.25	1.96929	0.54826	1.2723	1.40172	10.42	1.233	0.7867	0.54826	1.37E+01	1.01E+00	1.32E-04	4.93E-02	3.26E+00	1.16E-01	5.57E+00	3.73E+00	2.00E+01
4252	489863.09	3856377.25	1.84692	0.50836	1.40568	1.27935	11.11	1.138	0.684	0.50836	1.29E+01	9.39E-01	1.46E-04	4.50E-02	3.48E+00	1.07E-01	4.85E+00	3.46E+00	1.88E+01
4253	490363.09	3856377.25	1.69952	0.45139	1.11211	1.26462	10.81	1.044	0.6293	0.45139	1.18E+01	8.34E-01	1.16E-04	4.45E-02	3.39E+00	9.81E-02	4.46E+00	3.07E+00	1.76E+01
4254	490863.09	3856377.25	1.59715	0.40241	1.00767	1.15536	9.462	0.969	0.5491	0.40241	1.11E+01	7.43E-01	1.05E-04	4.07E-02	2.96E+00	9.11E-02	3.89E+00	2.74E+00	1.61E+01
4255	491363.09	3856377.25	1.52318	0.37838	1.1035	1.15589	7.528	0.886	0.5036	0.37838	1.06E+01	6.99E-01	1.15E-04	4.07E-02	2.36E+00	8.33E-02	3.57E+00	2.57E+00	1.48E+01
4256	491863.09	3856377.25	1.47258	0.33689	1.03052	1.19817	6.241	0.809	0.4726	0.33689	1.03E+01	6.22E-01	1.07E-04	4.22E-02	1.96E+00	7.61E-02	3.35E+00	2.29E+00	1.40E+01
4257	492363.09	3856377.25	1.38127	0.28897	0.98665	1.15441	5.547	0.727	0.4385	0.28897	9.63E+00	5.34E-01	1.03E-04	4.06E-02	1.74E+00	6.84E-02	3.11E+00	1.96E+00	1.32E+01
4258	492863.09	3856377.25	1.23917	0.22931	0.71551	0.88225	4.388	0.525	0.3497	0.22931	8.64E+00	4.24E-01	7.45E-05	3.11E-02	1.37E+00	4.94E-02	2.48E+00	1.56E+00	1.14E+01
4259	493363.09	3856377.25	0.73601	0.18504	0.42994	0.64018	2.349	0.338	0.2268	0.18504	5.13E+00	3.42E-01	4.48E-05	2.25E-02	7.36E-01	3.18E-02	1.61E+00	1.26E+00	6.61E+00
4260	493863.09	3856377.25	0.47785	0.16423	0.33918	0.49493	1.751	0.278	0.1759	0.16423	3.33E+00	3.03E-01	3.53E-05	1.74E-02	5.48E-01	2.61E-02	1.25E+00	1.12E+00	4.36E+00
4261	494363.09	3856377.25	0.34911	0.129	0.28344	0.3658	1.261	0.223	0.1443	0.129	2.43E+00	2.38E-01	2.95E-05	1.29E-02	3.95E-01	2.10E-02	1.02E+00	8.77E-01	3.25E+00
4262	494863.09	3856377.25	0.27611	0.10693	0.21709	0.27777	0.917	0.184	0.1057	0.10693	1.92E+00	1.97E-01	2.26E-05	9.78E-03	2.87E-01	1.73E-02	7.49E-01	7.27E-01	2.46E+00
4263	495363.09	3856377.25	0.22664	0.09571	0.19141	0.26062	0.749	0.161	0.0964	0.09571	1.58E+00	1.77E-01	1.99E-05	9.17E-03	2.35E-01	1.52E-02	6.83E-01	6.51E-01	2.05E+00
4264	495863.09	3856377.25	0.22348	0.09508	0.17741	0.24761	0.692	0.158	0.094	0.09508	1.56E+00	1.76E-01	1.85E-05	8.71E-03	2.17E-01	1.48E-02	6.66E-01	6.47E-01	1.99E+00
4265	496363.09	3856377.25	0.23002	0.09412	0.1769	0.23155	0.667	0.165	0.0932	0.09412	1.60E+00	1.74E-01	1.84E-05	8.15E-03	2.09E-01	1.55E-02	6.60E-01	6.40E-01	2.03E+00
4266	496863.09	3856377.25	0.24207	0.0965	0.18465	0.24565	0.749	0.173	0.0954	0.0965	1.69E+00	1.78E-01	1.92E-05	8.65E-03	2.35E-01	1.63E-02	6.76E-01	6.56E-01	2.15E+00
4267	497363.09	3856377.25	0.25992	0.10597	0.19996	0.2582	0.773	0.19	0.1059	0.10597	1.81E+00	1.96E-01	2.08E-05	9.09E-03	2.42E-01	1.79E-02	7.50E-01	7.21E-01	2.31E+00
4268	497863.09	3856377.25	0.29319	0.11128	0.21252	0.27972	0.849	0.214	0.1178	0.11128	2.04E+00	2.06E-01	2.21E-05	9.85E-03	2.66E-01	2.01E-02	8.35E-01	7.57E-01	2.62E+00
4269	498363.09	3856377.25	0.31446	0.11538	0.23387	0.30805	0.969	0.271	0.1265	0.11538	2.19E+00	2.13E-01	2.43E-05	1.08E-02	3.04E-01	2.54E-02	8.96E-01	7.85E-01	2.86E+00
4270	471363.09	3856877.25	0.28121	0.18002	0.06224	0.16464	0.141	0.183	0.1898	0.18002	1.96E+00	3.32E-01	6.48E-06	5.79E-03	4.41E-02	1.72E-02	1.34E+00	1.22E+00	2.48E+00
4271	471863.09	3856877.25	0.29038	0.18351	0.06403	0.17746	0.145	0.188	0.1929	0.18351	2.02E+00	3.39E-01	6.67E-06	6.25E-03	4.56E-02	1.77E-02	1.37E+00	1.25E+00	2.55E+00
4272	472363.09	3856877.25	0.30795	0.18652	0.0715	0.18114	0.15	0.2	0.197	0.18652	2.15E+00	3.44E-01	7.44E-06	6.38E-03	4.71E-02	1.88E-02	1.40E+00	1.27E+00	2.69E+00
4273	472863.09	3856877.25	0.33188	0.18684	0.07252	0.19158	0.156	0.206	0.1977	0.18684	2.31E+00	3.45E-01	7.55E-06	6.74E-03	4.90E-02	1.94E-02	1.40E+00	1.27E+00	2.86E+00
4274	473363.09	3856877.25	0.36816	0.19746	0.09737	0.19957	0.164	0.222	0.2099	0.19746	2.57E+00	3.65E-01	1.01E-05	7.02E-03	5.15E-02	2.08E-02	1.49E+00	1.34E+00	3.16E+00
4275	473863.09	3856877.25	0.40323	0.20181	0.12614	0.21497	0.173	0.243	0.2147	0.20181	2.81E+00	3.73E-01	1.31E-05	7.57E-03	5.42E-02	2.28E-02	1.52E+00	1.37E+00	3.42E+00
4276	474363.09	3856877.25	0.42265	0.19596	0.12963	0.22907	0.183	0.253	0.2067	0.19596	2.95E+00	3.62E-01	1.35E-05	8.06E-03	5.74E-02	2.38E-02	1.46E+00	1.33E+00	3.53E+00
4277	474863.09	3856877.25	0.44334	0.1792	0.09785	0.24426	0.194	0.255	0.1993	0.1792	3.09E+00	3.31E-01	1.02E-05	8.60E-03	6.08E-02	2.39E-02	1.41E+00	1.22E+00	3.71E+00
4278	475363.09	3856877.25	0.45137	0.15833	0.10943	0.24052	0.206	0.23	0.1715	0.15833	3.15E+00	2.92E-01	1.14E-05	8.47E-03	6.45E-02	2.16E-02	1.21E+00	1.08E+00	3.67E+00
4279	475863.09	3856877.25	0.47374	0.15389	0.12254	0.24635	0.219	0.224	0.1678	0.15389	3.30E+00	2.84E-01	1.28E-05	8.67E-03	6.85E-02	2.10E-02	1.19E+00	1.05E+00	3.83E+00
4280	476363.09	3856877.25	0.4843	0.13557	0.13572	0.21671	0.232	0.202	0.1513	0.13557	3.38E+00	2.50E-01	1.41E-05	7.63E-03	7.27E-02	1.90E-02	1.07E+00	9.22E-01	3.88E+00
4281	476863.09	3856877.25	0.50394	0.13242	0.12889	0.18954	0.245	0.211	0.1504	0.13242	3.51E+00	2.45E-01	1.34E-05	6.67E-03	7.66E-02	1.98E-02	1.07E+00	9.00E-01	4.03E+00
4282	477363.09	3856877.25	0.43193	0.1335	0.15902	0.17593	0.255	0.201	0.1416	0.1335	3.01E+00	2.47E-01	1.66E-05	6.19E-03	8.00E-02	1.89E-02	1.00E+00	9.08E-01	3.46E+00
4283	477863.09	3856877.25	0.29967	0.12078	0.16652	0.16397	0.252	0.193	0.1275	0.12078	2.09E+00	2.23E-01	1.73E-05	5.77E-03	7.90E-02	1.81E-02	9.03E-01	8.21E-01	2.50E+00
4284	478363.09	3856877.25	0.30577	0.11332	0.1829	0.15926	0.251	0.177	0.1148	0.11332	2.13E+00	2.09E-01	1.90E-05	5.61E-03	7.85E-02	1.66E-02	8.14E-01	7.71E-01	2.48E+00
4285	478863.09	3856877.25	0.32203	0.12834	0.18058	0.18006	0.271	0.213	0.1335	0.12834	2.25E+00	2.37E-01	1.88E-05	6.34E-03	8.50E-02	2.00E-02	9.46E-01	8.73E-01	2.67E+00
4286	479363.09	3856877.25	0.41062	0.14999	0.20214	0.19482	0.339	0.231	0.1589	0.14999	2.86E+00	2.77E-01	2.10E-05	6.86E-03	1.06E-01	2.17E-02	1.13E+00	1.02E+00	3.38E+00
4287	479863.09	3856877.25	0.90807	0.20992	0.24641	0.39476	0.398	0.35	0.2491	0.20992	6.33E+00	3.88E-01	2.57E-05	1.39E-02	1.25E-01	3.29E-02	1.76E+00	1.43E+00	7.23E+00
4288	480363.09	3856877.25	1.22127	0.26687	0.24491	0.50022	0.448	0.472	0.3318	0.26687	8.51E+00	4.93E-01	2.55E-05	1.76E-02	1.40E-01	4.44E-02	2.35E+00	1.81E+00	9.75E+00
4289	480863.09	3856877.25	1.30494	0.37935	0.31619	0.52747	0.482	0.587	0.4224	0.37935	9.10E+00	7.01E-01	3.29E-05	1.86E-02	1.51E-01	5.51E-02	2.99E+00	2.58E+00	1.04E+01
4290	481363.09	3856877.25	1.36817	0.51676	0.46297	0.56124	0.532	0.76	0.4608	0.51676	9.54E+00	9.54E-01	4.82E-05	1.98E-02	1.67E-01	7.14E-02	3.27E+00	3.51E+00	1.05E+01
4291	481863.09	3856877.25	1.53077	0.52778	0.74579	0.60767	0.572	0.803	0.4638	0.52778	1.07E+01	9.75E-01	7.76E-05	2.14E-02	1.79E-01	7.55E-02	3.29E+00	3.59E+00	1.16E+01
4292	482363.09	3856877.25	1.69879	0.64248	0.76247	0.63889	0.588	1.029	0.4834	0.64248	1.18E+01	1.19E+00	7.94E-05	2.25E-02	1.84E-01	9.67E-02	3.42E+00	4.37E+00	1.24E+01
4293	482863.09	3856877.25	2.14532	0.77963	0.94346	0.68833	0.628	1.249	0.5386	0.77963	1.50E+01	1.44E+00	9.82E-05	2.42E-02	1.97E-01	1.17E-01	3.82E+00	5.30E+00	1.52E+01
4294	483363.09	3856877.25	3.04148	0.88471	0.57907	0.73536	0.692	1.481	0.5642	0.88471	2.12E+01	1.63E+00	6.03E-05	2.59E-02	2.17E-01	1.39E-01	4.00E+00	6.02E+00	2.12E+01
4295	483863.09	3856877.25	3.9178	1.03234	0.65179	0.82064	0.849	1.736	0.6051	1.03234	2.73E+01	1.91E+00	6.79E-05	2.89E-02	2.66E-01	1.63E-01	4.29E+00	7.02E+00	2.69E+01
4296	484363.09	3856877.25	4.09849	1.34417	1.07778	0.96983	0.982	2.377	0.6755	1.34417	2.86E+01	2.48E+00	1.12E-04	3.41E-02	3.08E-01	2.23E-01	4.79E+00	9.14E+00	2.73E+01
4297	484863.09	3856877.25	4.13035	1.91419	0.94868	1.09375	1.257	4.793	0.7729	1.91419	2.88E+01	3.54E+00	9.88E-05	3.85E-02	3.94E-01	4.51E-01	5.48E+00	1.30E+01	2.57E+01
4298	485363.09	3856877.25	4.34196	4.16324	1.24935	1.35649	1.635	3.05	0.981	4.16324	3.03E+01	7.69E+00	1.30E-04	4.77E-02	5.12E-01	2.87E-01	6.95E+00	2.83E+01	1.74E+01
4299	485863.09	3856877.25	4.35706	3.11263	1.32401	1.73329	2.412	1.798	1.2804	3.11263	3.04E+01	5.75E+00	1.38E-04	6.10E-02	7.56E-01	1.69E-01	9.07E+00	2.12E+01	2.50E+01
4300	486363.09	3856877.25	4.78026	0.89087	1.55631	3.0818	5.333	1.941	2.6306	0.89087	3.33E+01	1.65E+00	1.62E-04	1.08E-01	1.67E+00	1.82E-01	1.86E+01	6.06E+00	4.95E+01
4301	486863.09	3856877.25	4.83753	0.89666	1.96348	8.48698	10.66	7.51	4.2676	0.89666	3.37E+01	1.66E+00	2.04E-04	2.99E-01	3.34E+00	7.06E-01	3.02E+01	6.10E+00	6.39E+01
4302	487363.09	3856877.25	3.75678	0.82588	1.74374	5.43057	37.65	3.055	2.1136	0.82588	2.62E+01	1.53E+00	1.82E-04	1.91E-01	1.18E+01	2.87E-01	1.50E+01	5.62E+00	4.94E+01
4303	487863.09	3856877.25	3.03871	0.81907	1.53103	3.18609	49.48	2.253	1.5237	0.81907	2.12E+01	1.51E+00	1.59E-04	1.12E-01	1.55E+01	2.12E-01	1.08E+01	5.57E+00	4.38E+01

4304	488363.09	3856877.25	2.55246	0.81869	1.83406	2.37361	36.95	1.915	1.202	0.81869	1.78E+01	1.51E+00	1.91E-04	8.35E-02	1.16E+01	1.80E-01	8.52E+00	5.57E+00	3.41E+01
4305	488863.09	3856877.25	2.24764	0.77021	1.43774	1.89624	27.33	1.713	1.0437	0.77021	1.57E+01	1.42E+00	1.50E-04	6.67E-02	8.56E+00	1.61E-01	7.39E+00	5.24E+00	2.80E+01
4306	489363.09	3856877.25	2.08863	0.71109	1.33156	1.61623	20.77	1.517	0.9027	0.71109	1.46E+01	1.31E+00	1.39E-04	5.69E-02	6.51E+00	1.43E-01	6.40E+00	4.84E+00	2.41E+01
4307	489863.09	3856877.25	1.91819	0.65027	1.51197	1.52247	14.81	1.455	0.8096	0.65027	1.34E+01	1.20E+00	1.57E-04	5.36E-02	4.64E+00	1.37E-01	5.74E+00	4.42E+00	2.07E+01
4308	490363.09	3856877.25	1.82722	0.56888	1.49964	1.45339	11.68	1.27	0.7022	0.56888	1.27E+01	1.05E+00	1.56E-04	5.12E-02	3.66E+00	1.19E-01	4.98E+00	3.87E+00	1.87E+01
4309	490863.09	3856877.25	1.76119	0.49305	1.4471	1.52041	9.472	1.164	0.6005	0.49305	1.23E+01	9.11E-01	1.51E-04	5.35E-02	2.97E+00	1.09E-01	4.25E+00	3.35E+00	1.72E+01
4310	491363.09	3856877.25	1.67283	0.42798	1.31902	1.9843	8.107	1.085	0.5403	0.42798	1.17E+01	7.90E-01	1.37E-04	6.98E-02	2.54E+00	1.02E-01	3.83E+00	2.91E+00	1.61E+01
4311	491863.09	3856877.25	1.5872	0.37114	1.23093	6.10405	7.154	0.967	0.4806	0.37114	1.11E+01	6.85E-01	1.28E-04	2.15E-01	2.24E+00	9.09E-02	3.41E+00	2.52E+00	1.52E+01
4312	492363.09	3856877.25	1.50419	0.25808	1.02535	5.34104	5.342	0.634	0.3781	0.25808	1.05E+01	4.77E-01	1.07E-04	1.88E-01	1.67E+00	5.96E-02	2.68E+00	1.75E+00	1.38E+01
4313	492863.09	3856877.25	1.3055	0.20151	0.69468	1.54652	3.767	0.489	0.308	0.20151	9.10E+00	3.72E-01	7.23E-05	5.44E-02	1.18E+00	4.60E-02	2.18E+00	1.37E+00	1.16E+01
4314	493363.09	3856877.25	0.78447	0.18413	0.49365	0.75874	2.477	0.383	0.2184	0.18413	5.47E+00	3.40E-01	5.14E-05	2.67E-02	7.76E-01	3.60E-02	1.55E+00	1.25E+00	6.94E+00
4315	493863.09	3856877.25	0.43891	0.14213	0.33119	0.51033	1.526	0.279	0.1699	0.14213	3.06E+00	2.63E-01	3.45E-05	1.80E-02	4.78E-01	2.62E-02	1.20E+00	9.66E-01	4.08E+00
4316	494363.09	3856877.25	0.31534	0.11379	0.26879	0.38049	1.129	0.222	0.1262	0.11379	2.20E+00	2.10E-01	2.80E-05	1.34E-02	3.54E-01	2.09E-02	8.94E-01	7.74E-01	2.92E+00
4317	494863.09	3856877.25	0.26419	0.10741	0.23226	0.31143	0.948	0.195	0.1084	0.10741	1.84E+00	1.98E-01	2.42E-05	1.10E-02	2.97E-01	1.84E-02	7.68E-01	7.30E-01	2.40E+00
4318	495363.09	3856877.25	0.24386	0.09897	0.22646	0.2815	0.829	0.188	0.097	0.09897	1.70E+00	1.83E-01	2.36E-05	9.91E-03	2.60E-01	1.76E-02	6.87E-01	6.73E-01	2.18E+00
4319	495863.09	3856877.25	0.24047	0.09933	0.20754	0.27729	0.795	0.181	0.0971	0.09933	1.68E+00	1.83E-01	2.16E-05	9.76E-03	2.49E-01	1.70E-02	6.88E-01	6.75E-01	2.15E+00
4320	496363.09	3856877.25	0.24032	0.09808	0.21322	0.27784	0.799	0.181	0.0974	0.09808	1.68E+00	1.81E-01	2.22E-05	9.78E-03	2.50E-01	1.70E-02	6.90E-01	6.67E-01	2.16E+00
4321	496863.09	3856877.25	0.25391	0.10188	0.21643	0.28966	0.823	0.199	0.1027	0.10188	1.77E+00	1.88E-01	2.25E-05	1.02E-02	2.58E-01	1.87E-02	7.27E-01	6.93E-01	2.28E+00
4322	497363.09	3856877.25	0.28371	0.11066	0.22023	0.28821	0.869	0.227	0.1184	0.11066	1.98E+00	2.04E-01	2.29E-05	1.01E-02	2.72E-01	2.14E-02	8.39E-01	7.52E-01	2.57E+00
4323	497863.09	3856877.25	0.30992	0.11961	0.23995	0.31601	0.99	0.296	0.1233	0.11961	2.16E+00	2.21E-01	2.50E-05	1.11E-02	3.10E-01	2.78E-02	8.74E-01	8.13E-01	2.79E+00
4324	498363.09	3856877.25	0.36957	0.12889	0.27842	0.33755	1.098	0.295	0.1415	0.12889	2.58E+00	2.38E-01	2.90E-05	1.19E-02	3.44E-01	2.77E-02	1.00E+00	8.76E-01	3.32E+00
4325	471363.09	3857377.25	0.30312	0.17336	0.06974	0.18678	0.138	0.19	0.1865	0.17336	2.11E+00	3.20E-01	7.26E-06	6.57E-03	4.33E-02	1.78E-02	1.32E+00	1.18E+00	2.64E+00
4326	471863.09	3857377.25	0.31681	0.17173	0.08132	0.19133	0.143	0.196	0.1877	0.17173	2.21E+00	3.17E-01	8.47E-06	6.73E-03	4.47E-02	1.84E-02	1.33E+00	1.17E+00	2.76E+00
4327	472363.09	3857377.25	0.33826	0.17397	0.07622	0.2015	0.148	0.204	0.191	0.17397	2.36E+00	3.21E-01	7.93E-06	7.09E-03	4.65E-02	1.91E-02	1.35E+00	1.18E+00	2.92E+00
4328	472863.09	3857377.25	0.35581	0.17739	0.08232	0.20565	0.156	0.213	0.1947	0.17739	2.48E+00	3.28E-01	8.57E-06	7.24E-03	4.89E-02	2.00E-02	1.38E+00	1.21E+00	3.06E+00
4329	473363.09	3857377.25	0.37613	0.18698	0.10241	0.2241	0.166	0.225	0.2063	0.18698	2.62E+00	3.45E-01	1.07E-05	7.89E-03	5.20E-02	2.12E-02	1.46E+00	1.27E+00	3.24E+00
4330	473863.09	3857377.25	0.38706	0.19912	0.12702	0.23715	0.176	0.251	0.2196	0.19912	2.70E+00	3.68E-01	1.32E-05	8.35E-03	5.50E-02	2.36E-02	1.56E+00	1.35E+00	3.36E+00
4331	474363.09	3857377.25	0.40473	0.18954	0.11976	0.23946	0.185	0.25	0.2011	0.18954	2.82E+00	3.50E-01	1.25E-05	8.43E-03	5.80E-02	2.35E-02	1.42E+00	1.29E+00	3.40E+00
4332	474863.09	3857377.25	0.42037	0.15011	0.13294	0.23806	0.193	0.213	0.1667	0.15011	2.93E+00	2.77E-01	1.38E-05	8.38E-03	6.06E-02	2.01E-02	1.18E+00	1.02E+00	3.46E+00
4333	475363.09	3857377.25	0.4082	0.12273	0.11205	0.16835	0.202	0.167	0.1323	0.12273	2.85E+00	2.27E-01	1.17E-05	5.93E-03	6.32E-02	1.57E-02	9.37E-01	8.35E-01	3.26E+00
4334	475863.09	3857377.25	0.3949	0.11831	0.13862	0.15839	0.196	0.175	0.1269	0.11831	2.75E+00	2.19E-01	1.44E-05	5.57E-03	6.14E-02	1.64E-02	8.99E-01	8.04E-01	3.15E+00
4335	476363.09	3857377.25	0.48489	0.12914	0.16085	0.19739	0.218	0.192	0.1362	0.12914	3.38E+00	2.39E-01	1.67E-05	6.95E-03	6.82E-02	1.81E-02	9.65E-01	8.78E-01	3.80E+00
4336	476863.09	3857377.25	0.50911	0.13428	0.18388	0.20845	0.227	0.202	0.1396	0.13428	3.55E+00	2.48E-01	1.91E-05	7.34E-03	7.12E-02	1.90E-02	9.89E-01	9.13E-01	3.97E+00
4337	477363.09	3857377.25	0.48931	0.13153	0.18884	0.18471	0.237	0.207	0.1377	0.13153	3.41E+00	2.43E-01	1.97E-05	6.50E-03	7.43E-02	1.95E-02	9.75E-01	8.94E-01	3.84E+00
4338	477863.09	3857377.25	0.33196	0.12766	0.15447	0.17055	0.234	0.204	0.1338	0.12766	2.31E+00	2.36E-01	1.61E-05	6.00E-03	7.32E-02	1.92E-02	9.48E-01	8.68E-01	2.73E+00
4339	478363.09	3857377.25	0.32066	0.11057	0.16448	0.16636	0.233	0.174	0.1105	0.11057	2.24E+00	2.04E-01	1.71E-05	5.86E-03	7.30E-02	1.63E-02	7.83E-01	7.52E-01	2.57E+00
4340	478863.09	3857377.25	0.30052	0.09902	0.16088	0.14934	0.238	0.17	0.1067	0.09902	2.10E+00	1.83E-01	1.67E-05	5.26E-03	7.46E-02	1.60E-02	7.56E-01	6.73E-01	2.46E+00
4341	479363.09	3857377.25	0.36733	0.12985	0.16302	0.20061	0.272	0.205	0.1382	0.12985	2.56E+00	2.40E-01	1.70E-05	7.06E-03	8.51E-02	1.93E-02	9.79E-01	8.83E-01	3.01E+00
4342	479863.09	3857377.25	0.93418	0.18016	0.22515	0.34653	0.33	0.32	0.2058	0.18016	6.51E+00	3.33E-01	2.34E-05	1.22E-02	1.03E-01	3.00E-02	1.46E+00	1.23E+00	7.22E+00
4343	480363.09	3857377.25	0.86011	0.1856	0.22819	0.28965	0.357	0.286	0.1933	0.1856	6.00E+00	3.43E-01	2.38E-05	1.02E-02	1.12E-01	2.69E-02	1.37E+00	1.26E+00	6.60E+00
4344	480863.09	3857377.25	1.31063	0.36288	0.32129	0.51626	0.417	0.592	0.3904	0.36288	9.14E+00	6.70E-01	3.34E-05	1.82E-02	1.31E-01	5.56E-02	2.77E+00	2.47E+00	1.03E+01
4345	481363.09	3857377.25	1.42127	0.36802	0.41871	0.54402	0.471	0.607	0.3981	0.36802	9.91E+00	6.80E-01	4.36E-05	1.91E-02	1.47E-01	5.71E-02	2.82E+00	2.50E+00	1.11E+01
4346	481863.09	3857377.25	1.58123	0.44031	0.42355	0.58776	0.547	0.702	0.4259	0.44031	1.10E+01	8.13E-01	4.41E-05	2.07E-02	1.71E-01	6.60E-02	3.02E+00	2.99E+00	1.21E+01
4347	482363.09	3857377.25	1.6261	0.56282	0.49628	0.61419	0.694	0.882	0.4515	0.56282	1.13E+01	1.04E+00	5.17E-05	2.16E-02	2.17E-01	8.29E-02	3.20E+00	3.83E+00	1.21E+01
4348	482863.09	3857377.25	1.87202	0.63937	0.5988	0.63777	0.907	0.975	0.4723	0.63937	1.31E+01	1.18E+00	6.23E-05	2.24E-02	2.84E-01	9.16E-02	3.35E+00	4.35E+00	1.36E+01
4349	483363.09	3857377.25	2.20908	0.73428	0.52778	0.70169	1.16	1.105	0.5114	0.73428	1.54E+01	1.36E+00	5.49E-05	2.47E-02	3.63E-01	1.04E-01	3.62E+00	4.99E+00	1.59E+01
4350	483863.09	3857377.25	2.52526	0.802	0.41488	0.75942	1.33	1.399	0.5749	0.802	1.76E+01	1.48E+00	4.32E-05	2.67E-02	4.17E-01	1.32E-01	4.07E+00	5.45E+00	1.83E+01
4351	484363.09	3857377.25	2.65313	1.01125	0.38428	0.85858	1.528	1.764	0.6018	1.01125	1.85E+01	1.87E+00	4.00E-05	3.02E-02	4.79E-01	1.66E-01	4.26E+00	6.88E+00	1.84E+01
4352	484863.09	3857377.25	3.02647	1.24973	0.658	0.948	1.91	2.293	0.7082	1.24973	2.11E+01	2.31E+00	6.85E-05	3.34E-02	5.98E-01	2.16E-01	5.02E+00	8.50E+00	2.08E+01
4353	485363.09	3857377.25	4.05308	1.69711	1.27525	1.10749	2.651	4.125	0.7906	1.69711	2.83E+01	3.13E+00	1.33E-04	3.90E-02	8.31E-01	3.88E-01	5.60E+00	1.15E+01	2.67E+01
4354	485863.09	3857377.25	4.32161	2.79712	0.85613	1.3187	5.022	3.628	0.9645	2.79712	3.01E+01	5.17E+00	8.91E-05	4.64E-02	1.57E+00	3.41E-01	6.83E+00	1.90E+01	2.51E+01
4355	486363.09	3857377.25	4.33401	3.36825	1.17673	1.81946	7.578	1.912	1.2698	3.36825	3.02E+01	6.22E+00	1.23E-04	6.40E-02	2.37E+00	1.80E-01	9.00E+00	2.29E+01	2.51E+01
4356	486863.09	3857377.25	4.65569	1.1187	0.99788	2.95491	18.53	1.856	2.5211	1.1187	3.25E+01	2.07E+00	1.04E-04	1.04E-01	5.81E+00	1.74E-01	1.79E+01	7.61E+00	5.09E+01
4357	487363.09	3857377.25	4.7461	1.13832	1.48403	7.12622	41.01	4.433	4.6444	1.13832	3.31E+01	2.10E+00	1.54E-04	2.51E-01	1.28E+01	4.17E-01	3.29E+01	7.74E+00	7.39E+01
4358	487863.09	3857377.25	3.8375	1.1788	1.6273	5.69173	47.99	3.684	2.1399	1.1788	2.68E+01	2.18E+00	1.69E-04	2.00E-01	1.50E+01	3.46E-01	1.52E+01	8.02E+00	5.17E+01
4359	488363.09	3857377.25	3.05513	1.09229	1.76222	3.30221	51.3	2.789	1.5328	1.09229	2.13E+01	2.02E+00	1.83E-04	1.16E-01	1.61E+01	2.62E-01	1.09E+01	7.43E+00	4.32E+01
4360	488863.09	3857377.25	2.58701	1.00258	2.55465	2.50088	30.69	2.504	1.2371	1.00258	1.80E+01	1.85E+00	2.66E-04	8.80E-02	9.62E+00	2.35E-01	8.77E+00	6.82E+00	3.18E+01
4361	489363.09	3857377.25	2.37152	0.94601	2.50635	2.04347	21.22	2.182	1.0472	0.94601	1.65E+01	1.75E+00	2.61E-04	7.19E-02	6.65E+00	2.05E-01	7.42E+00	6.43E+00	2.62E+01
4362	489863.09	3857377.25	2.15696	0.80295	2.63421	1.95117	16.24	1.95	0.8823	0.80295	1.50E+01	1.48E+00	2.74E-04	6.87E-02	5.09E+00	1.83E-01	6.25E+00	5.46E+00	2.27E+01

4363	490363.09	3857377.25	2.02936	0.67637	2.22238	1.8967	11.99	1.701	0.7372	0.67637	1.41E+01	1.25E+00	2.31E-04	6.68E-02	3.76E+00	1.60E-01	5.22E+00	4.60E+00	2.00E+01
4364	490863.09	3857377.25	1.98128	0.58565	1.86113	2.35044	8.89	1.522	0.6461	0.58565	1.38E+01	1.08E+00	1.94E-04	8.27E-02	2.79E+00	1.43E-01	4.58E+00	3.98E+00	1.85E+01
4365	491363.09	3857377.25	1.87915	0.52524	1.64107	4.91996	7.053	1.353	0.5715	0.52524	1.31E+01	9.70E-01	1.71E-04	1.73E-01	2.21E+00	1.27E-01	4.05E+00	3.57E+00	1.71E+01
4366	491863.09	3857377.25	1.80557	0.39352	1.46952	5.52311	6.235	1.073	0.4827	0.39352	1.26E+01	7.27E-01	1.53E-04	1.94E-01	1.95E+00	1.01E-01	3.42E+00	2.68E+00	1.63E+01
4367	492363.09	3857377.25	1.66468	0.25208	0.98842	1.59395	4.568	0.603	0.3544	0.25208	1.16E+01	4.66E-01	1.03E-04	5.61E-02	1.43E+00	5.67E-02	2.51E+00	1.71E+00	1.44E+01
4368	492863.09	3857377.25	1.11929	0.18875	0.64571	0.89423	2.618	0.454	0.2289	0.18875	7.80E+00	3.49E-01	6.72E-05	3.15E-02	8.20E-01	4.26E-02	1.62E+00	1.28E+00	9.38E+00
4369	493363.09	3857377.25	0.53628	0.15158	0.43516	0.60949	1.65	0.341	0.1588	0.15158	3.74E+00	2.80E-01	4.53E-05	2.15E-02	5.17E-01	3.21E-02	1.13E+00	1.03E+00	4.68E+00
4370	493863.09	3857377.25	0.4334	0.12908	0.37979	0.53814	1.321	0.294	0.1398	0.12908	3.02E+00	2.38E-01	3.95E-05	1.89E-02	4.14E-01	2.76E-02	9.90E-01	8.78E-01	3.83E+00
4371	494363.09	3857377.25	0.35313	0.11454	0.32867	0.45082	1.064	0.247	0.1229	0.11454	2.46E+00	2.12E-01	3.42E-05	1.59E-02	3.33E-01	2.32E-02	8.71E-01	7.79E-01	3.14E+00
4372	494863.09	3857377.25	0.32504	0.1149	0.29933	0.40084	0.944	0.237	0.1209	0.1149	2.27E+00	2.12E-01	3.12E-05	1.41E-02	2.96E-01	2.22E-02	8.56E-01	7.81E-01	2.89E+00
4373	495363.09	3857377.25	0.30763	0.11246	0.28195	0.36198	0.87	0.224	0.1153	0.11246	2.14E+00	2.08E-01	2.94E-05	1.27E-02	2.73E-01	2.10E-02	8.17E-01	7.65E-01	2.71E+00
4374	495863.09	3857377.25	0.30382	0.11351	0.26547	0.33717	0.83	0.235	0.1188	0.11351	2.12E+00	2.10E-01	2.76E-05	1.19E-02	2.60E-01	2.21E-02	8.42E-01	7.72E-01	2.69E+00
4375	496363.09	3857377.25	0.30327	0.10785	0.25175	0.32101	0.8	0.243	0.1288	0.10785	2.11E+00	1.99E-01	2.62E-05	1.13E-02	2.51E-01	2.29E-02	9.13E-01	7.33E-01	2.78E+00
4376	496863.09	3857377.25	0.29838	0.11399	0.261	0.3135	0.788	0.274	0.1285	0.11399	2.08E+00	2.11E-01	2.72E-05	1.10E-02	2.47E-01	2.58E-02	9.11E-01	7.75E-01	2.71E+00
4377	497363.09	3857377.25	0.30956	0.11812	0.26931	0.33282	0.832	0.395	0.1267	0.11812	2.16E+00	2.18E-01	2.80E-05	1.17E-02	2.61E-01	3.71E-02	8.98E-01	8.03E-01	2.78E+00
4378	497863.09	3857377.25	0.3542	0.13694	0.29833	0.34619	0.88	0.433	0.1419	0.13694	2.47E+00	2.53E-01	3.11E-05	1.22E-02	2.76E-01	4.07E-02	1.01E+00	9.31E-01	3.13E+00
4379	498363.09	3857377.25	0.54991	0.15897	0.37683	0.40516	1.036	0.689	0.1683	0.15897	3.83E+00	2.94E-01	3.92E-05	1.43E-02	3.25E-01	6.48E-02	1.19E+00	1.08E+00	4.64E+00
4380	471363.09	3857877.25	0.26424	0.17462	0.08119	0.18339	0.132	0.188	0.1846	0.17462	1.84E+00	3.23E-01	8.45E-06	6.45E-03	4.14E-02	1.77E-02	1.31E+00	1.19E+00	2.35E+00
4381	471863.09	3857877.25	0.27539	0.17654	0.09007	0.19132	0.137	0.197	0.1862	0.17654	1.92E+00	3.26E-01	9.38E-06	6.73E-03	4.30E-02	1.85E-02	1.32E+00	1.20E+00	2.43E+00
4382	472363.09	3857877.25	0.2913	0.17919	0.10075	0.20164	0.147	0.203	0.188	0.17919	2.03E+00	3.31E-01	1.05E-05	7.10E-03	4.60E-02	1.91E-02	1.33E+00	1.22E+00	2.55E+00
4383	472863.09	3857877.25	0.30305	0.18704	0.11411	0.2097	0.154	0.214	0.1963	0.18704	2.11E+00	3.45E-01	1.19E-05	7.38E-03	4.82E-02	2.01E-02	1.39E+00	1.27E+00	2.65E+00
4384	473363.09	3857877.25	0.33018	0.18992	0.12289	0.21717	0.162	0.224	0.1974	0.18992	2.30E+00	3.51E-01	1.28E-05	7.64E-03	5.07E-02	2.11E-02	1.40E+00	1.29E+00	2.84E+00
4385	473863.09	3857877.25	0.37129	0.19728	0.12142	0.22429	0.172	0.234	0.2032	0.19728	2.59E+00	3.64E-01	1.26E-05	7.89E-03	5.40E-02	2.20E-02	1.44E+00	1.34E+00	3.14E+00
4386	474363.09	3857877.25	0.38096	0.18239	0.1269	0.23053	0.183	0.246	0.1914	0.18239	2.66E+00	3.37E-01	1.32E-05	8.11E-03	5.72E-02	2.31E-02	1.36E+00	1.24E+00	3.20E+00
4387	474863.09	3857877.25	0.38539	0.14436	0.11826	0.21361	0.191	0.197	0.1557	0.14436	2.69E+00	2.67E-01	1.23E-05	7.52E-03	5.99E-02	1.85E-02	1.10E+00	9.82E-01	3.16E+00
4388	475363.09	3857877.25	0.30388	0.11344	0.09435	0.15164	0.196	0.174	0.1264	0.11344	2.12E+00	2.10E-01	9.82E-06	5.34E-03	6.15E-02	1.64E-02	8.95E-01	7.71E-01	2.54E+00
4389	475863.09	3857877.25	0.19479	0.06897	0.09141	0.11412	0.168	0.127	0.0749	0.06897	1.36E+00	1.27E-01	9.52E-06	4.02E-03	5.27E-02	1.19E-02	5.30E-01	4.69E-01	1.62E+00
4390	476363.09	3857877.25	0.32844	0.11186	0.12409	0.16312	0.208	0.185	0.1218	0.11186	2.29E+00	2.07E-01	1.29E-05	5.74E-03	6.52E-02	1.74E-02	8.63E-01	7.61E-01	2.69E+00
4391	476863.09	3857877.25	0.40811	0.12059	0.155	0.17827	0.218	0.197	0.1303	0.12059	2.85E+00	2.23E-01	1.61E-05	6.27E-03	6.84E-02	1.85E-02	9.23E-01	8.20E-01	3.26E+00
4392	477363.09	3857877.25	0.43055	0.12402	0.1649	0.18749	0.226	0.205	0.1329	0.12402	3.00E+00	2.29E-01	1.72E-05	6.60E-03	7.09E-02	1.93E-02	9.41E-01	8.43E-01	3.43E+00
4393	477863.09	3857877.25	0.39654	0.12637	0.18025	0.19036	0.235	0.215	0.1327	0.12637	2.76E+00	2.33E-01	1.88E-05	6.70E-03	7.35E-02	2.02E-02	9.40E-01	8.59E-01	3.18E+00
4394	478363.09	3857877.25	0.29392	0.0961	0.118	0.15857	0.202	0.18	0.0979	0.0961	2.05E+00	1.77E-01	1.23E-05	5.58E-03	6.31E-02	1.69E-02	6.94E-01	6.53E-01	2.35E+00
4395	478863.09	3857877.25	0.26685	0.09004	0.13201	0.14275	0.206	0.158	0.0876	0.09004	1.86E+00	1.66E-01	1.37E-05	5.02E-03	6.45E-02	1.48E-02	6.21E-01	6.12E-01	2.12E+00
4396	479363.09	3857877.25	0.85056	0.18076	0.21196	0.33699	0.291	0.285	0.1946	0.18076	5.93E+00	3.34E-01	2.21E-05	1.19E-02	9.11E-02	2.68E-02	1.38E+00	1.23E+00	6.54E+00
4397	479863.09	3857877.25	1.05669	0.25867	0.27065	0.44368	0.322	0.444	0.2976	0.25867	7.37E+00	4.78E-01	2.82E-05	1.56E-02	1.01E-01	4.18E-02	2.11E+00	1.76E+00	8.35E+00
4398	480363.09	3857877.25	1.09867	0.32137	0.32084	0.45426	0.36	0.531	0.3406	0.32137	7.66E+00	5.94E-01	3.34E-05	1.60E-02	1.13E-01	4.99E-02	2.41E+00	2.19E+00	8.66E+00
4399	480863.09	3857877.25	1.20449	0.34359	0.2881	0.48051	0.398	0.586	0.3539	0.34359	8.40E+00	6.35E-01	3.00E-05	1.69E-02	1.25E-01	5.50E-02	2.51E+00	2.34E+00	9.40E+00
4400	481363.09	3857877.25	1.3562	0.36122	0.36944	0.51692	0.418	0.6	0.3745	0.36122	9.46E+00	6.67E-01	3.85E-05	1.82E-02	1.31E-01	5.64E-02	2.65E+00	2.46E+00	1.05E+01
4401	481863.09	3857877.25	1.47908	0.38024	0.24793	0.54374	0.462	0.649	0.377	0.38024	1.03E+01	7.02E-01	2.58E-05	1.91E-02	1.45E-01	6.10E-02	2.67E+00	2.59E+00	1.13E+01
4402	482363.09	3857877.25	1.46535	0.47936	0.28938	0.59008	0.676	0.801	0.4152	0.47936	1.02E+01	8.85E-01	3.01E-05	2.08E-02	2.12E-01	7.53E-02	2.94E+00	3.26E+00	1.11E+01
4403	482863.09	3857877.25	1.54005	0.56232	0.41713	0.599	0.779	0.902	0.4176	0.56232	1.07E+01	1.04E+00	4.34E-05	2.11E-02	2.44E-01	8.48E-02	2.96E+00	3.82E+00	1.13E+01
4404	483363.09	3857877.25	1.56329	0.61176	0.43777	0.6569	0.854	1.026	0.4747	0.61176	1.09E+01	1.13E+00	4.56E-05	2.31E-02	2.68E-01	9.65E-02	3.36E+00	4.16E+00	1.16E+01
4405	483863.09	3857877.25	1.71167	0.71904	0.34126	0.72294	1.108	1.187	0.5173	0.71904	1.19E+01	1.33E+00	3.55E-05	2.54E-02	3.47E-01	1.12E-01	3.67E+00	4.89E+00	1.25E+01
4406	484363.09	3857877.25	1.83458	0.83265	0.34258	0.79405	1.866	1.383	0.5615	0.83265	1.28E+01	1.54E+00	3.57E-05	2.79E-02	5.85E-01	1.30E-01	3.98E+00	5.66E+00	1.34E+01
4407	484863.09	3857877.25	2.08407	0.9533	0.42491	0.93789	2.567	1.694	0.6152	0.9533	1.45E+01	1.76E+00	4.42E-05	3.30E-02	8.04E-01	1.59E-01	4.36E+00	6.48E+00	1.52E+01
4408	485363.09	3857877.25	2.45235	1.1831	0.52116	1.07005	3.239	2.345	0.685	1.1831	1.71E+01	2.19E+00	5.43E-05	3.77E-02	1.01E+00	2.20E-01	4.85E+00	8.04E+00	1.74E+01
4409	485863.09	3857877.25	3.53884	1.6014	0.94217	1.21435	5.438	4.277	0.8297	1.6014	2.47E+01	2.96E+00	9.81E-05	4.27E-02	1.70E+00	4.02E-01	5.88E+00	1.09E+01	2.48E+01
4410	486363.09	3857877.25	4.33021	2.33232	1.14232	1.44316	7.016	9.123	0.9784	2.33232	3.02E+01	4.31E+00	1.19E-04	5.08E-02	2.20E+00	8.58E-01	6.93E+00	1.59E+01	2.87E+01
4411	486863.09	3857877.25	4.16854	7.00494	2.87321	1.81486	11.18	5.014	1.2488	7.00494	2.91E+01	1.29E+01	2.99E-04	6.39E-02	3.50E+00	4.71E-01	8.85E+00	4.76E+01	7.25E+00
4412	487363.09	3857877.25	4.61678	2.94994	6.59492	2.80751	17.16	3.674	2.1585	2.94994	3.22E+01	5.45E+00	6.87E-04	9.88E-02	5.38E+00	3.45E-01	1.53E+01	2.01E+01	3.87E+01
4413	487863.09	3857877.25	4.67565	1.81106	11.61097	6.29412	20.7	4.629	4.9914	1.81106	3.26E+01	3.34E+00	1.21E-03	2.22E-01	6.49E+00	4.35E-01	3.54E+01	1.23E+01	6.61E+01
4414	488363.09	3857877.25	3.97349	1.59179	9.0636	6.32678	23.2	6.512	2.2318	1.59179	2.77E+01	2.94E+00	9.44E-04	2.23E-01	7.27E+00	6.12E-01	1.58E+01	1.08E+01	4.37E+01
4415	488863.09	3857877.25	3.13562	1.32584	5.86482	3.6186	15.16	4.183	1.5578	1.32584	2.19E+01	2.45E+00	6.11E-04	1.27E-01	4.75E+00	3.93E-01	1.10E+01	9.02E+00	3.16E+01
4416	489363.09	3857877.25	2.8742	1.12367	4.18496	2.80166	14.59	3.13	1.2634	1.12367	2.00E+01	2.08E+00	4.36E-04	9.86E-02	4.57E+00	2.94E-01	8.95E+00	7.64E+00	2.84E+01
4417	489863.09	3857877.25	2.74674	0.94496	2.90143	2.74318	12.54	2.469	1.0001	0.94496	1.91E+01	1.75E+00	3.02E-04	9.65E-02	3.93E+00	2.32E-01	7.09E+00	6.43E+00	2.58E+01
4418	490363.09	3857877.25	2.53583	0.83818	2.35908	3.2726	11.43	2.022	0.8599	0.83818	1.77E+01	1.55E+00	2.46E-04	1.15E-01	3.58E+00	1.90E-01	6.09E+00	5.70E+00	2.35E+01
4419	490863.09	3857877.25	2.14921	0.72669	1.98362	4.2568	9.244	1.727	0.7342	0.72669	1.50E+01	1.34E+00	2.07E-04	1.50E-01	2.90E+00	1.62E-01	5.20E+00	4.94E+00	1.98E+01
4420	491363.09	3857877.25	2.00171	0.54942	1.62211	11.25668	8.179	1.32	0.5755	0.54942	1.40E+01	1.01E+00	1.69E-04	3.96E-01	2.56E+00	1.24E-01	4.08E+00	3.74E+00	1.84E+01
4421	491863.09	3857877.25	1.93936	0.36497	1.25679	3.60328	7.02	0.931	0.496	0.36497	1.35E+01	6.74E-01	1.31E-04	1.27E-01	2.20E+00	8.75E-02	3.51E+00	2.48E+00	1.76E+01

4422	492363.09	3857877.25	1.62575	0.23466	0.81977	1.50743	4.188	0.536	0.3471	0.23466	1.13E+01	4.33E-01	8.53E-05	5.31E-02	1.31E+00	5.04E-02	2.46E+00	1.60E+00	1.40E+01
4423	492863.09	3857877.25	0.87139	0.18416	0.60361	0.97527	2.304	0.421	0.2183	0.18416	6.08E+00	3.40E-01	6.28E-05	3.43E-02	7.22E-01	3.96E-02	1.55E+00	1.25E+00	7.51E+00
4424	493363.09	3857877.25	0.64944	0.15359	0.51747	0.77059	1.777	0.357	0.1954	0.15359	4.53E+00	2.84E-01	5.39E-05	2.71E-02	5.57E-01	3.36E-02	1.38E+00	1.04E+00	5.77E+00
4425	493863.09	3857877.25	0.53481	0.14098	0.47236	0.63553	1.601	0.338	0.1615	0.14098	3.73E+00	2.60E-01	4.92E-05	2.24E-02	5.02E-01	3.18E-02	1.14E+00	9.59E-01	4.73E+00
4426	494363.09	3857877.25	0.46714	0.1325	0.40303	0.53908	1.381	0.315	0.1503	0.1325	3.26E+00	2.45E-01	4.20E-05	1.90E-02	4.33E-01	2.97E-02	1.06E+00	9.01E-01	4.15E+00
4427	494863.09	3857877.25	0.39469	0.12257	0.37347	0.44665	1.168	0.3	0.1324	0.12257	2.75E+00	2.26E-01	3.89E-05	1.57E-02	3.66E-01	2.82E-02	9.38E-01	8.33E-01	3.49E+00
4428	495363.09	3857877.25	0.36147	0.12256	0.3574	0.41351	1.087	0.299	0.1262	0.12256	2.52E+00	2.26E-01	3.72E-05	1.46E-02	3.41E-01	2.81E-02	8.94E-01	8.33E-01	3.19E+00
4429	495863.09	3857877.25	0.34953	0.12396	0.33541	0.3887	0.977	0.319	0.1291	0.12396	2.44E+00	2.29E-01	3.49E-05	1.37E-02	3.06E-01	3.00E-02	9.15E-01	8.43E-01	3.09E+00
4430	496363.09	3857877.25	0.3583	0.12887	0.32625	0.38605	0.973	0.553	0.1399	0.12887	2.50E+00	2.38E-01	3.40E-05	1.36E-02	3.05E-01	5.20E-02	9.91E-01	8.76E-01	3.22E+00
4431	496863.09	3857877.25	0.36594	0.13573	0.3261	0.36687	0.974	3.043	0.1429	0.13573	2.55E+00	2.51E-01	3.39E-05	1.29E-02	3.05E-01	2.86E-01	1.01E+00	9.23E-01	3.50E+00
4432	497363.09	3857877.25	0.37171	0.14038	0.30815	0.3531	0.939	7.398	0.1442	0.14038	2.59E+00	2.59E-01	3.21E-05	1.24E-02	2.94E-01	6.95E-01	1.02E+00	9.55E-01	3.92E+00
4433	497863.09	3857877.25	0.5194	0.1447	0.33765	0.38821	1.096	1.712	0.1745	0.1447	3.62E+00	2.67E-01	3.52E-05	1.37E-02	3.43E-01	1.61E-01	1.24E+00	9.84E-01	4.66E+00
4434	498363.09	3857877.25	0.65046	0.17014	0.35199	0.4627	1.292	1.19	0.1981	0.17014	4.53E+00	3.14E-01	3.66E-05	1.63E-02	4.05E-01	1.12E-01	1.40E+00	1.16E+00	5.63E+00
4435	471363.09	3858377.25	0.27354	0.1771	0.10417	0.18853	0.125	0.189	0.1821	0.1771	1.91E+00	3.27E-01	1.08E-05	6.64E-03	3.91E-02	1.78E-02	1.29E+00	1.20E+00	2.38E+00
4436	471863.09	3858377.25	0.2879	0.17787	0.10569	0.19131	0.129	0.196	0.1829	0.17787	2.01E+00	3.29E-01	1.10E-05	6.73E-03	4.03E-02	1.84E-02	1.30E+00	1.21E+00	2.49E+00
4437	472363.09	3858377.25	0.31614	0.1785	0.09916	0.20645	0.133	0.2	0.1831	0.1785	2.20E+00	3.30E-01	1.03E-05	7.27E-03	4.15E-02	1.88E-02	1.30E+00	1.21E+00	2.68E+00
4438	472863.09	3858377.25	0.3406	0.18321	0.11395	0.20904	0.137	0.227	0.189	0.18321	2.37E+00	3.38E-01	1.19E-05	7.36E-03	4.29E-02	2.13E-02	1.34E+00	1.25E+00	2.88E+00
4439	473363.09	3858377.25	0.35235	0.18922	0.12147	0.23218	0.143	0.264	0.1961	0.18922	2.46E+00	3.49E-01	1.26E-05	8.17E-03	4.49E-02	2.48E-02	1.39E+00	1.29E+00	2.99E+00
4440	473863.09	3858377.25	0.38762	0.19105	0.11154	0.23933	0.149	0.266	0.1939	0.19105	2.70E+00	3.53E-01	1.16E-05	8.42E-03	4.68E-02	2.50E-02	1.37E+00	1.30E+00	3.21E+00
4441	474363.09	3858377.25	0.42053	0.16919	0.12212	0.2389	0.155	0.243	0.1846	0.16919	2.93E+00	3.12E-01	1.27E-05	8.41E-03	4.87E-02	2.29E-02	1.31E+00	1.15E+00	3.48E+00
4442	474863.09	3858377.25	0.42633	0.14323	0.10896	0.22696	0.162	0.198	0.1597	0.14323	2.97E+00	2.65E-01	1.13E-05	7.99E-03	5.08E-02	1.86E-02	1.13E+00	9.74E-01	3.47E+00
4443	475363.09	3858377.25	0.35866	0.11598	0.10084	0.16747	0.168	0.174	0.1269	0.11598	2.50E+00	2.14E-01	1.05E-05	5.89E-03	5.26E-02	1.64E-02	8.99E-01	7.89E-01	2.90E+00
4444	475863.09	3858377.25	0.27008	0.10292	0.1055	0.15272	0.174	0.178	0.1144	0.10292	1.88E+00	1.90E-01	1.10E-05	5.38E-03	5.46E-02	1.67E-02	8.11E-01	7.00E-01	2.26E+00
4445	476363.09	3858377.25	0.28536	0.10514	0.12602	0.1564	0.185	0.182	0.1159	0.10514	1.99E+00	1.94E-01	1.31E-05	5.50E-03	5.78E-02	1.71E-02	8.21E-01	7.15E-01	2.37E+00
4446	476863.09	3858377.25	0.31362	0.11414	0.1171	0.16982	0.205	0.191	0.1213	0.11414	2.19E+00	2.11E-01	1.22E-05	5.98E-03	6.41E-02	1.80E-02	8.59E-01	7.76E-01	2.57E+00
4447	477363.09	3858377.25	0.31065	0.10971	0.11428	0.17168	0.217	0.202	0.1206	0.10971	2.17E+00	2.03E-01	1.19E-05	6.04E-03	6.79E-02	1.90E-02	8.54E-01	7.46E-01	2.57E+00
4448	477863.09	3858377.25	0.44259	0.12541	0.12237	0.19683	0.231	0.22	0.1314	0.12541	3.09E+00	2.32E-01	1.27E-05	6.93E-03	7.23E-02	2.07E-02	9.31E-01	8.53E-01	3.50E+00
4449	478363.09	3858377.25	0.48017	0.13168	0.16325	0.21463	0.237	0.23	0.1367	0.13168	3.35E+00	2.43E-01	1.70E-05	7.55E-03	7.42E-02	2.16E-02	9.69E-01	8.95E-01	3.77E+00
4450	478863.09	3858377.25	0.34966	0.11923	0.13593	0.18565	0.229	0.202	0.1211	0.11923	2.44E+00	2.20E-01	1.42E-05	6.53E-03	7.18E-02	1.90E-02	8.58E-01	8.11E-01	2.80E+00
4451	479363.09	3858377.25	0.87207	0.17427	0.17282	0.33898	0.294	0.316	0.2003	0.17427	6.08E+00	3.22E-01	1.80E-05	1.19E-02	9.20E-02	2.97E-02	1.42E+00	1.19E+00	6.77E+00
4452	479863.09	3858377.25	1.01383	0.27175	0.23621	0.43436	0.308	0.464	0.296	0.27175	7.07E+00	5.02E-01	2.46E-05	1.53E-02	9.65E-02	4.36E-02	2.10E+00	1.85E+00	7.98E+00
4453	480363.09	3858377.25	1.04293	0.33763	0.24171	0.45352	0.355	0.535	0.3271	0.33763	7.27E+00	6.24E-01	2.52E-05	1.60E-02	1.11E-01	5.03E-02	2.32E+00	2.30E+00	8.09E+00
4454	480863.09	3858377.25	1.04085	0.34594	0.26574	0.47087	0.403	0.56	0.3356	0.34594	7.26E+00	6.39E-01	2.77E-05	1.66E-02	1.26E-01	5.26E-02	2.38E+00	2.35E+00	8.12E+00
4455	481363.09	3858377.25	1.14859	0.35858	0.3021	0.53669	0.49	0.601	0.3384	0.35858	8.01E+00	6.62E-01	3.15E-05	1.89E-02	1.53E-01	5.65E-02	2.40E+00	2.44E+00	8.86E+00
4456	481863.09	3858377.25	1.25707	0.37855	0.24566	0.56386	0.628	0.635	0.3594	0.37855	8.76E+00	6.99E-01	2.56E-05	1.98E-02	1.97E-01	5.97E-02	2.55E+00	2.57E+00	9.71E+00
4457	482363.09	3858377.25	1.4004	0.39305	0.2396	0.59129	0.867	0.687	0.3848	0.39305	9.76E+00	7.26E-01	2.49E-05	2.08E-02	2.72E-01	6.46E-02	2.73E+00	2.67E+00	1.09E+01
4458	482863.09	3858377.25	1.31323	0.48648	0.39782	0.65049	0.969	0.864	0.401	0.48648	9.16E+00	8.98E-01	4.14E-05	2.29E-02	3.04E-01	8.12E-02	2.84E+00	3.31E+00	9.99E+00
4459	483363.09	3858377.25	1.30739	0.52124	0.44379	0.67396	1.198	1.054	0.409	0.52124	9.11E+00	9.63E-01	4.62E-05	2.37E-02	3.75E-01	9.91E-02	2.90E+00	3.54E+00	9.93E+00
4460	483863.09	3858377.25	1.39155	0.62734	0.33437	0.71639	1.372	1.204	0.4634	0.62734	9.70E+00	1.16E+00	3.48E-05	2.52E-02	4.30E-01	1.13E-01	3.28E+00	4.27E+00	1.04E+01
4461	484363.09	3858377.25	1.4793	0.71443	0.34016	0.8228	1.395	1.386	0.4994	0.71443	1.03E+01	1.32E+00	3.54E-05	2.90E-02	4.37E-01	1.30E-01	3.54E+00	4.86E+00	1.09E+01
4462	484863.09	3858377.25	1.70411	0.80639	0.45543	0.91536	3.152	1.639	0.5409	0.80639	1.19E+01	1.49E+00	4.74E-05	3.22E-02	9.88E-01	1.54E-01	3.83E+00	5.48E+00	1.29E+01
4463	485363.09	3858377.25	1.98041	0.93894	0.4976	1.00351	3.436	2.43	0.587	0.93894	1.38E+01	1.73E+00	5.18E-05	3.53E-02	1.08E+00	2.28E-01	4.16E+00	6.38E+00	1.47E+01
4464	485863.09	3858377.25	2.47782	1.14597	0.9867	1.12585	3.505	3.719	0.6868	1.14597	1.73E+01	2.12E+00	1.03E-04	3.96E-02	1.10E+00	3.50E-01	4.87E+00	7.79E+00	1.80E+01
4465	486363.09	3858377.25	3.80503	1.41637	1.60121	1.37214	4.47	9.297	0.8583	1.41637	2.65E+01	2.62E+00	1.67E-04	4.83E-02	1.40E+00	8.74E-01	6.08E+00	9.63E+00	2.79E+01
4466	486863.09	3858377.25	4.47743	1.86319	2.25183	1.65189	6.445	9.171	1.0056	1.86319	3.12E+01	3.44E+00	2.34E-04	5.81E-02	2.02E+00	8.62E-01	7.13E+00	1.27E+01	3.21E+01
4467	487363.09	3858377.25	4.30945	2.77087	2.05901	2.03023	3.784	9.334	1.3072	2.77087	3.00E+01	5.12E+00	2.14E-04	7.15E-02	1.19E+00	8.77E-01	9.26E+00	1.88E+01	2.77E+01
4468	487863.09	3858377.25	4.59122	9.08531	5.40453	2.95818	2.554	7.3	2.2433	9.08531	3.20E+01	1.68E+01	5.63E-04	1.04E-01	8.00E-01	6.86E-01	1.59E+01	6.18E+01	4.50E+00
4469	488363.09	3858377.25	4.87771	3.36953	6.13462	6.26697	3.476	4.699	5.7555	3.36953	3.40E+01	6.22E+00	6.39E-04	2.21E-01	1.09E+00	4.42E-01	4.08E+01	2.29E+01	5.98E+01
4470	488863.09	3858377.25	4.31348	2.1974	4.21717	7.75772	6.873	6.27	2.423	2.1974	3.01E+01	4.06E+00	4.39E-04	2.73E-01	2.15E+00	5.89E-01	1.72E+01	1.49E+01	3.94E+01
4471	489363.09	3858377.25	3.36873	1.61531	2.99977	9.73449	5.182	4.052	1.6298	1.61531	2.35E+01	2.98E+00	3.12E-04	3.43E-01	1.62E+00	3.81E-01	1.15E+01	1.10E+01	2.94E+01
4472	489863.09	3858377.25	2.66945	1.29862	2.41581	15.79878	4.986	3.006	1.2453	1.29862	1.86E+01	2.40E+00	2.52E-04	5.56E-01	1.56E+00	2.83E-01	8.82E+00	8.83E+00	2.34E+01
4473	490363.09	3858377.25	2.3333	1.0479	1.88806	15.42925	6.664	2.418	1.031	1.0479	1.63E+01	1.94E+00	1.97E-04	5.43E-01	2.09E+00	2.27E-01	7.31E+00	7.13E+00	2.12E+01
4474	490863.09	3858377.25	2.11306	0.8723	1.661	12.94367	5.943	1.923	0.8804	0.8723	1.47E+01	1.61E+00	1.73E-04	4.56E-01	1.86E+00	1.81E-01	6.24E+00	5.93E+00	1.91E+01
4475	491363.09	3858377.25	2.11544	0.61398	1.41984	5.5983	5.546	1.32	0.6073	0.61398	1.47E+01	1.13E+00	1.48E-04	1.97E-01	1.74E+00	1.24E-01	4.30E+00	4.17E+00	1.81E+01
4476	491863.09	3858377.25	2.09299	0.35041	1.02529	2.00685	4.207	0.812	0.4249	0.35041	1.46E+01	6.47E-01	1.07E-04	7.06E-02	1.32E+00	7.63E-02	3.01E+00	2.38E+00	1.73E+01
4477	492363.09	3858377.25	1.30576	0.21907	0.75503	0.97319	2.752	0.496	0.2621	0.21907	9.10E+00	4.05E-01	7.86E-05	3.43E-02	8.62E-01	4.66E-02	1.86E+00	1.49E+00	1.08E+01
4478	492863.09	3858377.25	1.39413	0.23082	0.8006	0.93229	2.799	0.538	0.305	0.23082	9.72E+00	4.26E-01	8.33E-05	3.28E-02	8.77E-01	5.06E-02	2.16E+00	1.57E+00	1.17E+01
4479	493363.09	3858377.25	1.0837	0.20977	0.71868	0.73928	2.219	0.51	0.2609	0.20977	7.56E+00	3.87E-01	7.48E-05	2.60E-02	6.95E-01	4.79E-02	1.85E+00	1.43E+00	9.13E+00
4480	493863.09	3858377.25	0.95493	0.1953	0.62573	0.64009	2.029	0.486	0.2295	0.1953	6.66E+00	3.61E-01	6.51E-05	2.25E-02	6.36E-01	4.56E-02	1.63E+00	1.33E+00	8.02E+00

4481	494363.09	3858377.25	0.79856	0.17164	0.56291	0.55761	1.882	0.488	0.2007	0.17164	5.57E+00	3.17E-01	5.86E-05	1.96E-02	5.90E-01	4.59E-02	1.42E+00	1.17E+00	6.79E+00
4482	494863.09	3858377.25	0.66701	0.15256	0.48437	0.49624	1.535	0.501	0.1756	0.15256	4.65E+00	2.82E-01	5.04E-05	1.75E-02	4.81E-01	4.71E-02	1.24E+00	1.04E+00	5.68E+00
4483	495363.09	3858377.25	0.54213	0.141	0.39909	0.40526	1.279	0.566	0.1625	0.141	3.78E+00	2.60E-01	4.15E-05	1.43E-02	4.01E-01	5.32E-02	1.15E+00	9.59E-01	4.70E+00
4484	495863.09	3858377.25	0.52873	0.14122	0.39459	0.3782	1.235	0.992	0.157	0.14122	3.69E+00	2.61E-01	4.11E-05	1.33E-02	3.87E-01	9.33E-02	1.11E+00	9.60E-01	4.59E+00
4485	496363.09	3858377.25	0.50567	0.13974	0.39713	0.36607	1.189	3.634	0.1629	0.13974	3.53E+00	2.58E-01	4.13E-05	1.29E-02	3.72E-01	3.42E-01	1.15E+00	9.50E-01	4.71E+00
4486	496863.09	3858377.25	0.55947	0.15628	0.40066	0.39552	1.2	2.306	0.1812	0.15628	3.90E+00	2.89E-01	4.17E-05	1.39E-02	3.76E-01	2.17E-01	1.28E+00	1.06E+00	5.02E+00
4487	497363.09	3858377.25	0.57766	0.15703	0.39786	0.41829	1.216	1.509	0.1881	0.15703	4.03E+00	2.90E-01	4.14E-05	1.47E-02	3.81E-01	1.42E-01	1.33E+00	1.07E+00	5.12E+00
4488	497863.09	3858377.25	0.69058	0.17041	0.42509	0.49881	1.292	1.24	0.1987	0.17041	4.81E+00	3.15E-01	4.43E-05	1.76E-02	4.05E-01	1.17E-01	1.41E+00	1.16E+00	5.92E+00
4489	498363.09	3858377.25	0.79437	0.18063	0.51866	0.58435	1.476	1.146	0.24	0.18063	5.54E+00	3.34E-01	5.40E-05	2.06E-02	4.62E-01	1.08E-01	1.70E+00	1.23E+00	6.93E+00
4490	471363.09	3858877.25	0.29432	0.17579	0.097	0.1976	0.13	0.212	0.1771	0.17579	2.05E+00	3.25E-01	1.01E-05	6.95E-03	4.09E-02	2.00E-02	1.25E+00	1.20E+00	2.50E+00
4491	471863.09	3858877.25	0.30518	0.17661	0.10912	0.20139	0.135	0.22	0.1774	0.17661	2.13E+00	3.26E-01	1.14E-05	7.09E-03	4.23E-02	2.07E-02	1.26E+00	1.20E+00	2.58E+00
4492	472363.09	3858877.25	0.32625	0.17843	0.12274	0.21603	0.152	0.23	0.1801	0.17843	2.27E+00	3.30E-01	1.28E-05	7.60E-03	4.76E-02	2.16E-02	1.28E+00	1.21E+00	2.74E+00
4493	472863.09	3858877.25	0.36187	0.18183	0.12646	0.22283	0.161	0.24	0.183	0.18183	2.52E+00	3.36E-01	1.32E-05	7.84E-03	5.05E-02	2.25E-02	1.30E+00	1.24E+00	3.00E+00
4494	473363.09	3858877.25	0.39775	0.18582	0.13395	0.25007	0.17	0.252	0.1863	0.18582	2.77E+00	3.43E-01	1.39E-05	8.80E-03	5.32E-02	2.36E-02	1.32E+00	1.26E+00	3.26E+00
4495	473863.09	3858877.25	0.41508	0.18575	0.13302	0.25819	0.176	0.25	0.1883	0.18575	2.89E+00	3.43E-01	1.38E-05	9.09E-03	5.51E-02	2.35E-02	1.33E+00	1.26E+00	3.40E+00
4496	474363.09	3858877.25	0.41739	0.17207	0.13423	0.24091	0.174	0.235	0.1811	0.17207	2.91E+00	3.18E-01	1.40E-05	8.48E-03	5.44E-02	2.21E-02	1.28E+00	1.17E+00	3.43E+00
4497	474863.09	3858877.25	0.37894	0.11788	0.11119	0.16297	0.169	0.174	0.1237	0.11788	2.64E+00	2.18E-01	1.16E-05	5.74E-03	5.30E-02	1.64E-02	8.76E-01	8.02E-01	3.01E+00
4498	475363.09	3858877.25	0.28406	0.09757	0.11179	0.15342	0.175	0.17	0.1062	0.09757	1.98E+00	1.80E-01	1.16E-05	5.40E-03	5.49E-02	1.60E-02	7.52E-01	6.63E-01	2.33E+00
4499	475863.09	3858877.25	0.32461	0.10184	0.10162	0.16309	0.183	0.18	0.1113	0.10184	2.26E+00	1.88E-01	1.06E-05	5.74E-03	5.74E-02	1.70E-02	7.89E-01	6.92E-01	2.63E+00
4500	476363.09	3858877.25	0.26833	0.08288	0.0942	0.14595	0.152	0.159	0.0913	0.08288	1.87E+00	1.53E-01	9.81E-06	5.14E-03	4.76E-02	1.49E-02	6.47E-01	5.64E-01	2.18E+00
4501	476863.09	3858877.25	0.28942	0.10036	0.09527	0.16063	0.155	0.186	0.1029	0.10036	2.02E+00	1.85E-01	9.92E-06	5.65E-03	4.87E-02	1.75E-02	7.29E-01	6.82E-01	2.32E+00
4502	477363.09	3858877.25	0.31172	0.1018	0.09039	0.17484	0.157	0.198	0.1058	0.1018	2.17E+00	1.88E-01	9.41E-06	6.15E-03	4.93E-02	1.86E-02	7.49E-01	6.92E-01	2.49E+00
4503	477863.09	3858877.25	0.35948	0.10862	0.13775	0.18429	0.18	0.211	0.1167	0.10862	2.51E+00	2.01E-01	1.43E-05	6.49E-03	5.65E-02	1.98E-02	8.27E-01	7.39E-01	2.88E+00
4504	478363.09	3858877.25	0.68303	0.13754	0.13039	0.26706	0.253	0.245	0.1501	0.13754	4.76E+00	2.54E-01	1.36E-05	9.40E-03	7.93E-02	2.30E-02	1.06E+00	9.35E-01	5.26E+00
4505	478863.09	3858877.25	0.64909	0.13951	0.11723	0.25056	0.27	0.231	0.1492	0.13951	4.53E+00	2.58E-01	1.22E-05	8.82E-03	8.45E-02	2.17E-02	1.06E+00	9.49E-01	5.01E+00
4506	479363.09	3858877.25	0.4881	0.1326	0.13285	0.21707	0.299	0.228	0.1429	0.1326	3.40E+00	2.45E-01	1.38E-05	7.64E-03	9.37E-02	2.14E-02	1.01E+00	9.02E-01	3.88E+00
4507	479863.09	3858877.25	0.88102	0.29008	0.19887	0.46721	0.423	0.492	0.2889	0.29008	6.14E+00	5.36E-01	2.07E-05	1.64E-02	1.32E-01	4.63E-02	2.05E+00	1.97E+00	6.95E+00
4508	480363.09	3858877.25	0.8884	0.33239	0.19055	0.48041	0.478	0.549	0.3185	0.33239	6.19E+00	6.14E-01	1.98E-05	1.69E-02	1.50E-01	5.16E-02	2.26E+00	2.26E+00	7.02E+00
4509	480863.09	3858877.25	0.98507	0.35091	0.27542	0.49789	0.536	0.582	0.3055	0.35091	6.87E+00	6.48E-01	2.87E-05	1.75E-02	1.68E-01	5.47E-02	2.16E+00	2.39E+00	7.53E+00
4510	481363.09	3858877.25	1.06627	0.34923	0.24769	0.5183	0.667	0.604	0.3086	0.34923	7.43E+00	6.45E-01	2.58E-05	1.82E-02	2.09E-01	5.68E-02	2.19E+00	2.37E+00	8.17E+00
4511	481863.09	3858877.25	1.08713	0.36853	0.21047	0.54223	0.68	0.655	0.3324	0.36853	7.58E+00	6.81E-01	2.19E-05	1.91E-02	2.13E-01	6.16E-02	2.36E+00	2.51E+00	8.40E+00
4512	482363.09	3858877.25	1.26234	0.37847	0.24305	0.56242	0.88	0.723	0.3539	0.37847	8.80E+00	6.99E-01	2.53E-05	1.98E-02	2.76E-01	6.80E-02	2.51E+00	2.57E+00	9.80E+00
4513	482863.09	3858877.25	1.2788	0.41622	0.29253	0.65903	0.99	0.798	0.3863	0.41622	8.92E+00	7.69E-01	3.05E-05	2.32E-02	3.10E-01	7.50E-02	2.74E+00	2.83E+00	1.00E+01
4514	483363.09	3858877.25	1.18943	0.46758	0.5152	0.67804	0.999	0.928	0.3939	0.46758	8.29E+00	8.64E-01	5.36E-05	2.39E-02	3.13E-01	8.72E-02	2.79E+00	3.18E+00	9.19E+00
4515	483863.09	3858877.25	1.23344	0.53487	0.30835	0.71024	1.239	1.1	0.4247	0.53487	8.60E+00	9.88E-01	3.21E-05	2.50E-02	3.88E-01	1.03E-01	3.01E+00	3.64E+00	9.48E+00
4516	484363.09	3858877.25	1.20149	0.57819	0.40009	0.76544	1.639	1.371	0.448	0.57819	8.38E+00	1.07E+00	4.17E-05	2.69E-02	5.13E-01	1.29E-01	3.17E+00	3.93E+00	9.36E+00
4517	484863.09	3858877.25	1.3501	0.63841	0.43691	0.82465	2.148	1.782	0.4587	0.63841	9.41E+00	1.18E+00	4.55E-05	2.90E-02	6.73E-01	1.67E-01	3.25E+00	4.34E+00	1.04E+01
4518	485363.09	3858877.25	1.696	0.7792	0.49598	0.88783	2.086	2.274	0.5208	0.7792	1.18E+01	1.44E+00	5.16E-05	3.12E-02	6.54E-01	2.14E-01	3.69E+00	5.30E+00	1.26E+01
4519	485863.09	3858877.25	2.04188	0.86329	0.69456	0.97855	2.306	3.118	0.5928	0.86329	1.42E+01	1.59E+00	7.23E-05	3.44E-02	7.23E-01	2.93E-01	4.20E+00	5.87E+00	1.52E+01
4520	486363.09	3858877.25	3.05807	1.06128	0.66861	1.0628	3.332	4.78	0.6937	1.06128	2.13E+01	1.96E+00	6.96E-05	3.74E-02	1.04E+00	4.49E-01	4.92E+00	7.22E+00	2.25E+01
4521	486863.09	3858877.25	3.82886	1.19739	0.749	1.25076	2.106	3.95	0.8223	1.19739	2.67E+01	2.21E+00	7.80E-05	4.40E-02	6.60E-01	3.71E-01	5.83E+00	8.14E+00	2.77E+01
4522	487363.09	3858877.25	4.2964	1.54708	0.64459	1.79635	1.126	4.808	1.0443	1.54708	3.00E+01	2.86E+00	6.71E-05	6.32E-02	3.53E-01	4.52E-01	7.40E+00	1.05E+01	3.06E+01
4523	487863.09	3858877.25	4.36102	2.05953	1.21269	2.52147	0.717	7.991	1.3625	2.05953	3.04E+01	3.80E+00	1.26E-04	8.87E-02	2.25E-01	7.51E-01	9.65E+00	1.40E+01	3.09E+01
4524	488363.09	3858877.25	4.67624	3.24245	1.10565	3.75747	1.189	5.112	2.2279	3.24245	3.26E+01	5.99E+00	1.15E-04	1.32E-01	3.72E-01	4.81E-01	1.58E+01	2.20E+01	3.33E+01
4525	488863.09	3858877.25	4.9582	6.28353	1.8391	8.09606	2.944	4.172	10.085	6.28353	3.46E+01	1.16E+01	1.91E-04	2.85E-01	9.23E-01	3.92E-01	7.15E+01	4.27E+01	7.65E+01
4526	489363.09	3858877.25	3.46576	3.02933	1.89436	12.67488	2.757	6.42	2.9238	3.02933	2.42E+01	5.59E+00	1.97E-04	4.46E-01	8.64E-01	6.04E-01	2.07E+01	2.06E+01	3.18E+01
4527	489863.09	3858877.25	2.78067	2.06003	2.26491	5.81021	2.427	4.102	2.0079	2.06003	1.94E+01	3.80E+00	2.36E-04	2.04E-01	7.60E-01	3.86E-01	1.42E+01	1.40E+01	2.48E+01
4528	490363.09	3858877.25	2.32404	1.45459	2.16479	4.03617	2.354	2.891	1.4204	1.45459	1.62E+01	2.69E+00	2.25E-04	1.42E-01	7.38E-01	2.72E-01	1.01E+01	9.89E+00	2.02E+01
4529	490863.09	3858877.25	2.19795	0.82303	2.54395	2.70841	2.918	1.804	0.7449	0.82303	1.53E+01	1.52E+00	2.65E-04	9.53E-02	9.14E-01	1.70E-01	5.28E+00	5.60E+00	1.77E+01
4530	491363.09	3858877.25	2.243	0.45896	2.38591	1.48749	2.645	1.034	0.4587	0.45896	1.56E+01	8.48E-01	2.48E-04	5.24E-02	8.29E-01	9.72E-02	3.25E+00	3.12E+00	1.76E+01
4531	491863.09	3858877.25	1.82049	0.28818	1.482	0.98544	2.512	0.615	0.3023	0.28818	1.27E+01	5.32E-01	1.54E-04	3.47E-02	7.87E-01	5.78E-02	2.14E+00	1.96E+00	1.43E+01
4532	492363.09	3858877.25	1.81059	0.3242	1.45362	1.19917	3.077	0.739	0.3692	0.3242	1.26E+01	5.99E-01	1.51E-04	4.22E-02	9.64E-01	6.95E-02	2.62E+00	2.20E+00	1.47E+01
4533	492863.09	3858877.25	1.70877	0.39173	1.58287	1.52309	2.883	0.904	0.3997	0.39173	1.19E+01	7.23E-01	1.65E-04	5.36E-02	9.03E-01	8.50E-02	2.83E+00	2.66E+00	1.38E+01
4534	493363.09	3858877.25	1.54439	0.32458	1.29151	1.28973	2.97	0.794	0.3691	0.32458	1.08E+01	5.99E-01	1.34E-04	4.54E-02	9.31E-01	7.47E-02	2.61E+00	2.21E+00	1.28E+01
4535	493863.09	3858877.25	1.32027	0.25034	1.0156	0.88466	2.283	0.688	0.3202	0.25034	9.20E+00	4.62E-01	1.06E-04	3.11E-02	7.15E-01	6.47E-02	2.27E+00	1.70E+00	1.10E+01
4536	494363.09	3858877.25	1.18438	0.23114	0.82519	0.75918	1.991	0.823	0.2923	0.23114	8.26E+00	4.27E-01	8.59E-05	2.67E-02	6.24E-01	7.74E-02	2.07E+00	1.57E+00	9.91E+00
4537	494863.09	3858877.25	1.05126	0.21543	0.72696	0.66349	1.705	1.095	0.2558	0.21543	7.33E+00	3.98E-01	7.57E-05	2.34E-02	5.34E-01	1.03E-01	1.81E+00	1.46E+00	8.73E+00
4538	495363.09	3858877.25	0.91692	0.18959	0.61839	0.56016	1.532	1.568	0.2175	0.18959	6.39E+00	3.50E-01	6.44E-05	1.97E-02	4.80E-01	1.47E-01	1.54E+00	1.29E+00	7.64E+00
4539	495863.09	3858877.25	0.85518	0.16973	0.56548	0.52865	1.475	3.848	0.2047	0.16973	5.96E+00	3.13E-01	5.89E-05	1.86E-02	4.62E-01	3.62E-01	1.45E+00	1.15E+00	7.41E+00

4540	496363.09	3858877.25	0.84838	0.16817	0.52698	0.52007	1.469	2.892	0.2106	0.16817	5.91E+00	3.11E-01	5.49E-05	1.83E-02	4.60E-01	2.72E-01	1.49E+00	1.14E+00	7.32E+00
4541	496863.09	3858877.25	0.84905	0.16735	0.50806	0.52679	1.412	1.774	0.213	0.16735	5.92E+00	3.09E-01	5.29E-05	1.85E-02	4.42E-01	1.67E-01	1.51E+00	1.14E+00	7.23E+00
4542	497363.09	3858877.25	0.81442	0.16934	0.47703	0.52031	1.453	1.333	0.2007	0.16934	5.68E+00	3.13E-01	4.97E-05	1.83E-02	4.55E-01	1.25E-01	1.42E+00	1.15E+00	6.86E+00
4543	497863.09	3858877.25	0.88591	0.18631	0.53358	0.6301	1.38	1.196	0.2306	0.18631	6.18E+00	3.44E-01	5.55E-05	2.22E-02	4.32E-01	1.12E-01	1.63E+00	1.27E+00	7.45E+00
4544	498363.09	3858877.25	0.89446	0.21889	0.56667	0.72417	1.556	1.161	0.2495	0.21889	6.24E+00	4.04E-01	5.90E-05	2.55E-02	4.88E-01	1.09E-01	1.77E+00	1.49E+00	7.54E+00
4545	471363.09	3859377.25	0.29741	0.17347	0.09422	0.20629	0.13	0.227	0.1737	0.17347	2.07E+00	3.20E-01	9.81E-06	7.26E-03	4.07E-02	2.14E-02	1.23E+00	1.18E+00	2.51E+00
4546	471863.09	3859377.25	0.3415	0.17358	0.10831	0.21498	0.132	0.238	0.1738	0.17358	2.38E+00	3.21E-01	1.13E-05	7.57E-03	4.12E-02	2.23E-02	1.23E+00	1.18E+00	2.82E+00
4547	472363.09	3859377.25	0.36502	0.17683	0.125	0.22682	0.14	0.248	0.1765	0.17683	2.54E+00	3.27E-01	1.30E-05	7.98E-03	4.39E-02	2.33E-02	1.25E+00	1.20E+00	2.99E+00
4548	472863.09	3859377.25	0.37227	0.1814	0.13957	0.22999	0.146	0.252	0.1823	0.1814	2.60E+00	3.35E-01	1.45E-05	8.09E-03	4.57E-02	2.37E-02	1.29E+00	1.23E+00	3.07E+00
4549	473363.09	3859377.25	0.38771	0.18569	0.1468	0.23273	0.144	0.256	0.1897	0.18569	2.70E+00	3.43E-01	1.53E-05	8.19E-03	4.53E-02	2.41E-02	1.34E+00	1.26E+00	3.20E+00
4550	473863.09	3859377.25	0.41864	0.18614	0.11319	0.23581	0.146	0.257	0.1905	0.18614	2.92E+00	3.44E-01	1.18E-05	8.30E-03	4.58E-02	2.42E-02	1.35E+00	1.27E+00	3.42E+00
4551	474363.09	3859377.25	0.44679	0.17014	0.10979	0.24257	0.15	0.264	0.1816	0.17014	3.11E+00	3.14E-01	1.14E-05	8.54E-03	4.69E-02	2.48E-02	1.29E+00	1.16E+00	3.64E+00
4552	474863.09	3859377.25	0.45749	0.14025	0.0854	0.2286	0.155	0.228	0.1562	0.14025	3.19E+00	2.59E-01	8.89E-06	8.05E-03	4.84E-02	2.14E-02	1.11E+00	9.54E-01	3.68E+00
4553	475363.09	3859377.25	0.39215	0.11718	0.0843	0.18154	0.142	0.179	0.1229	0.11718	2.73E+00	2.16E-01	8.78E-06	6.39E-03	4.45E-02	1.68E-02	8.71E-01	7.97E-01	3.09E+00
4554	475863.09	3859377.25	0.28423	0.09432	0.08251	0.1514	0.157	0.176	0.1053	0.09432	1.98E+00	1.74E-01	8.59E-06	5.33E-03	4.93E-02	1.66E-02	7.46E-01	6.41E-01	2.33E+00
4555	476363.09	3859377.25	0.28724	0.0888	0.08615	0.15313	0.186	0.171	0.0948	0.0888	2.00E+00	1.64E-01	8.97E-06	5.39E-03	5.82E-02	1.61E-02	6.71E-01	6.04E-01	2.31E+00
4556	476863.09	3859377.25	0.25898	0.07815	0.08809	0.14389	0.187	0.159	0.0801	0.07815	1.81E+00	1.44E-01	9.17E-06	5.06E-03	5.85E-02	1.49E-02	5.67E-01	5.31E-01	2.06E+00
4557	477363.09	3859377.25	0.28846	0.07933	0.09106	0.15112	0.211	0.163	0.0846	0.07933	2.01E+00	1.47E-01	9.48E-06	5.32E-03	6.60E-02	1.53E-02	5.99E-01	5.39E-01	2.30E+00
4558	477863.09	3859377.25	0.42087	0.10492	0.09716	0.20318	0.262	0.217	0.1188	0.10492	2.93E+00	1.94E-01	1.01E-05	7.15E-03	8.21E-02	2.04E-02	8.42E-01	7.13E-01	3.37E+00
4559	478363.09	3859377.25	0.64099	0.12866	0.14097	0.25222	0.288	0.235	0.1445	0.12866	4.47E+00	2.38E-01	1.47E-05	8.88E-03	9.01E-02	2.21E-02	1.02E+00	8.75E-01	4.98E+00
4560	478863.09	3859377.25	0.75028	0.15882	0.16276	0.32594	0.318	0.32	0.1893	0.15882	5.23E+00	2.93E-01	1.69E-05	1.15E-02	9.97E-02	3.01E-02	1.34E+00	1.08E+00	5.93E+00
4561	479363.09	3859377.25	0.83338	0.21172	0.13305	0.37208	0.377	0.401	0.2275	0.21172	5.81E+00	3.91E-01	1.39E-05	1.31E-02	1.18E-01	3.77E-02	1.61E+00	1.44E+00	6.54E+00
4562	479863.09	3859377.25	0.84415	0.26133	0.16748	0.3907	0.435	0.433	0.2656	0.26133	5.89E+00	4.83E-01	1.74E-05	1.38E-02	1.36E-01	4.07E-02	1.88E+00	1.78E+00	6.66E+00
4563	480363.09	3859377.25	0.87235	0.30664	0.25174	0.39732	0.481	0.525	0.2925	0.30664	6.08E+00	5.66E-01	2.62E-05	1.40E-02	1.51E-01	4.93E-02	2.07E+00	2.09E+00	6.85E+00
4564	480863.09	3859377.25	0.9576	0.3221	0.32576	0.42728	0.703	0.551	0.2864	0.3221	6.68E+00	5.95E-01	3.39E-05	1.50E-02	2.20E-01	5.18E-02	2.03E+00	2.19E+00	7.40E+00
4565	481363.09	3859377.25	0.95502	0.34417	0.27166	0.44566	0.682	0.607	0.2997	0.34417	6.66E+00	6.36E-01	2.83E-05	1.57E-02	2.14E-01	5.71E-02	2.12E+00	2.34E+00	7.36E+00
4566	481863.09	3859377.25	0.98708	0.34427	0.23998	0.48833	0.645	0.707	0.3015	0.34427	6.88E+00	6.36E-01	2.50E-05	1.72E-02	2.02E-01	6.64E-02	2.14E+00	2.34E+00	7.60E+00
4567	482363.09	3859377.25	1.05395	0.36524	0.24844	0.53535	0.605	0.757	0.3249	0.36524	7.35E+00	6.75E-01	2.59E-05	1.88E-02	1.89E-01	7.12E-02	2.30E+00	2.48E+00	8.12E+00
4568	482863.09	3859377.25	1.1111	0.41168	0.32635	0.59667	0.857	0.841	0.3581	0.41168	7.75E+00	7.60E-01	3.40E-05	2.10E-02	2.69E-01	7.91E-02	2.54E+00	2.80E+00	8.61E+00
4569	483363.09	3859377.25	1.08558	0.43568	0.35284	0.6525	1.117	0.963	0.3714	0.43568	7.57E+00	8.05E-01	3.67E-05	2.30E-02	3.50E-01	9.05E-02	2.63E+00	2.96E+00	8.51E+00
4570	483863.09	3859377.25	1.04651	0.46396	0.27929	0.68334	1.277	1.137	0.3861	0.46396	7.30E+00	8.57E-01	2.91E-05	2.41E-02	4.00E-01	1.07E-01	2.74E+00	3.15E+00	8.26E+00
4571	484363.09	3859377.25	1.11352	0.49145	0.33999	0.72031	1.444	1.291	0.4071	0.49145	7.76E+00	9.08E-01	3.54E-05	2.54E-02	4.52E-01	1.21E-01	2.88E+00	3.34E+00	8.81E+00
4572	484863.09	3859377.25	1.25697	0.54594	0.33003	0.81376	1.12	1.515	0.4371	0.54594	8.76E+00	1.01E+00	3.44E-05	2.86E-02	3.51E-01	1.42E-01	3.10E+00	3.71E+00	9.68E+00
4573	485363.09	3859377.25	1.49045	0.64327	0.39081	0.90854	1.496	1.854	0.4695	0.64327	1.04E+01	1.19E+00	4.07E-05	3.20E-02	4.69E-01	1.74E-01	3.33E+00	4.37E+00	1.12E+01
4574	485863.09	3859377.25	1.81849	0.72471	0.35504	1.02181	1.824	2.369	0.5256	0.72471	1.27E+01	1.34E+00	3.70E-05	3.60E-02	5.72E-01	2.23E-01	3.72E+00	4.93E+00	1.36E+01
4575	486363.09	3859377.25	2.58825	0.78939	0.65593	1.10937	1	3.331	0.5875	0.78939	1.80E+01	1.46E+00	6.83E-05	3.90E-02	3.13E-01	3.13E-01	4.16E+00	5.37E+00	1.90E+01
4576	486863.09	3859377.25	3.57562	0.91709	0.64915	1.29523	0.668	6.546	0.7119	0.91709	2.49E+01	1.69E+00	6.76E-05	4.56E-02	2.09E-01	6.15E-01	5.04E+00	6.24E+00	2.63E+01
4577	487363.09	3859377.25	3.89522	1.0405	0.45065	1.53091	0.687	4.217	0.8194	1.0405	2.72E+01	1.92E+00	4.69E-05	5.39E-02	2.15E-01	3.96E-01	5.81E+00	7.08E+00	2.85E+01
4578	487863.09	3859377.25	3.9008	1.2221	0.54498	1.89855	0.34	4.481	1.0327	1.2221	2.72E+01	2.26E+00	5.67E-05	6.68E-02	1.06E-01	4.21E-01	7.32E+00	8.31E+00	2.91E+01
4579	488363.09	3859377.25	4.10796	1.56751	0.79494	2.89191	0.465	6.937	1.3343	1.56751	2.86E+01	2.90E+00	8.28E-05	1.02E-01	1.46E-01	6.52E-01	9.45E+00	1.07E+01	3.12E+01
4580	488863.09	3859377.25	4.3814	2.10857	1.07317	4.38994	1.253	3.609	1.9502	2.10857	3.05E+01	3.89E+00	1.12E-04	1.55E-01	3.92E-01	3.39E-01	1.38E+01	1.43E+01	3.48E+01
4581	489363.09	3859377.25	3.07261	3.9508	3.68942	6.53713	1.595	3.339	3.8325	3.9508	2.14E+01	7.30E+00	3.84E-04	2.30E-01	5.00E-01	3.14E-01	2.72E+01	2.69E+01	3.01E+01
4582	489863.09	3859377.25	3.21161	5.12844	44.31688	16.66188	1.467	10.61	5.0716	5.12844	2.24E+01	9.47E+00	4.61E-03	5.86E-01	4.60E-01	9.97E-01	3.59E+01	3.49E+01	3.50E+01
4583	490363.09	3859377.25	2.63354	2.53083	17.74851	6.18299	1.32	4.065	2.4871	2.53083	1.84E+01	4.67E+00	1.85E-03	2.18E-01	4.13E-01	3.82E-01	1.76E+01	1.72E+01	2.45E+01
4584	490863.09	3859377.25	2.2939	1.23071	8.00935	2.7403	1.848	2.145	1.0948	1.23071	1.60E+01	2.27E+00	8.34E-04	9.64E-02	5.79E-01	2.02E-01	7.76E+00	8.37E+00	1.85E+01
4585	491363.09	3859377.25	2.24785	0.53218	3.05402	1.04376	1.123	1.034	0.4248	0.53218	1.57E+01	9.83E-01	3.18E-04	3.67E-02	3.52E-01	9.72E-02	3.01E+00	3.62E+00	1.65E+01
4586	491863.09	3859377.25	1.88317	0.68553	2.79805	1.55536	1.501	1.416	0.606	0.68553	1.31E+01	1.27E+00	2.91E-04	5.47E-02	4.70E-01	1.33E-01	4.29E+00	4.66E+00	1.47E+01
4587	492363.09	3859377.25	1.75766	0.61155	2.16018	1.49929	1.659	1.339	0.5541	0.61155	1.23E+01	1.13E+00	2.25E-04	5.28E-02	5.20E-01	1.26E-01	3.93E+00	4.16E+00	1.38E+01
4588	492863.09	3859377.25	1.62727	0.6184	1.92227	1.53708	1.674	1.345	0.5655	0.6184	1.13E+01	1.14E+00	2.00E-04	5.41E-02	5.24E-01	1.26E-01	4.01E+00	4.21E+00	1.30E+01
4589	493363.09	3859377.25	1.54278	0.48343	1.57179	1.21904	2.131	1.189	0.4399	0.48343	1.08E+01	8.93E-01	1.64E-04	4.29E-02	6.68E-01	1.12E-01	3.12E+00	3.29E+00	1.23E+01
4590	493863.09	3859377.25	1.43887	0.44709	1.36578	1.13897	2.35	1.285	0.4222	0.44709	1.00E+01	8.26E-01	1.42E-04	4.01E-02	7.36E-01	1.21E-01	2.99E+00	3.04E+00	1.17E+01
4591	494363.09	3859377.25	1.3247	0.38991	1.12185	1.04202	1.895	1.891	0.3873	0.38991	9.24E+00	7.20E-01	1.17E-04	3.67E-02	5.94E-01	1.78E-01	2.74E+00	2.65E+00	1.09E+01
4592	494863.09	3859377.25	1.25384	0.29477	0.82789	0.82957	1.714	6.331	0.3293	0.29477	8.74E+00	5.44E-01	8.62E-05	2.92E-02	5.37E-01	5.95E-01	2.33E+00	2.00E+00	1.08E+01
4593	495363.09	3859377.25	1.15363	0.28072	0.73187	0.84803	1.814	2.835	0.2932	0.28072	8.04E+00	5.18E-01	7.62E-05	2.98E-02	5.68E-01	2.66E-01	2.08E+00	1.91E+00	9.59E+00
4594	495863.09	3859377.25	1.07584	0.242	0.63255	0.78287	1.549	2.034	0.2701	0.242	7.50E+00	4.47E-01	6.59E-05	2.76E-02	4.85E-01	1.91E-01	1.91E+00	1.65E+00	8.92E+00
4595	496363.09	3859377.25	1.03712	0.23349	0.58996	0.76411	1.457	1.865	0.2613	0.23349	7.23E+00	4.31E-01	6.14E-05	2.69E-02	4.57E-01	1.75E-01	1.85E+00	1.59E+00	8.58E+00
4596	496863.09	3859377.25	0.95372	0.20138	0.51996	0.65176	1.353	1.6	0.2291	0.20138	6.65E+00	3.72E-01	5.41E-05	2.29E-02	4.24E-01	1.50E-01	1.62E+00	1.37E+00	7.87E+00
4597	497363.09	3859377.25	0.94541	0.21795	0.49819	0.67974	1.322	1.404	0.2428	0.21795	6.59E+00	4.03E-01	5.19E-05	2.39E-02	4.14E-01	1.32E-01	1.72E+00	1.48E+00	7.80E+00
4598	497863.09	3859377.25	0.92674	0.27237	0.5611	0.77088	1.402	1.257	0.2651	0.27237	6.46E+00	5.03E-01	5.84E-05	2.71E-02	4.39E-01	1.18E-01	1.88E+00	1.85E+00	7.57E+00

4599	498363.09	3859377.25	0.8957	0.30412	0.57956	0.83616	1.336	1.288	0.2925	0.30412	6.24E+00	5.62E-01	6.03E-05	2.94E-02	4.19E-01	1.21E-01	2.07E+00	2.07E+00	7.38E+00
4600	471363.09	3859877.25	0.31185	0.16586	0.11508	0.18945	0.12	0.24	0.1664	0.16586	2.17E+00	3.06E-01	1.20E-05	6.67E-03	3.76E-02	2.25E-02	1.18E+00	1.13E+00	2.60E+00
4601	471863.09	3859877.25	0.32008	0.16865	0.12111	0.1979	0.118	0.243	0.1693	0.16865	2.23E+00	3.11E-01	1.26E-05	6.97E-03	3.69E-02	2.28E-02	1.20E+00	1.15E+00	2.66E+00
4602	472363.09	3859877.25	0.34189	0.17155	0.12497	0.2041	0.117	0.242	0.1727	0.17155	2.38E+00	3.17E-01	1.30E-05	7.18E-03	3.65E-02	2.27E-02	1.22E+00	1.17E+00	2.82E+00
4603	472863.09	3859877.25	0.35249	0.17515	0.1241	0.20342	0.127	0.245	0.1743	0.17515	2.46E+00	3.23E-01	1.29E-05	7.16E-03	3.96E-02	2.31E-02	1.24E+00	1.19E+00	2.89E+00
4604	473363.09	3859877.25	0.35884	0.17962	0.10389	0.20728	0.151	0.271	0.1759	0.17962	2.50E+00	3.32E-01	1.08E-05	7.30E-03	4.73E-02	2.55E-02	1.25E+00	1.22E+00	2.94E+00
4605	473863.09	3859877.25	0.38338	0.18474	0.11565	0.21808	0.182	0.303	0.182	0.18474	2.67E+00	3.41E-01	1.20E-05	7.68E-03	5.71E-02	2.85E-02	1.29E+00	1.26E+00	3.14E+00
4606	474363.09	3859877.25	0.42728	0.18097	0.10673	0.24752	0.201	0.295	0.1831	0.18097	2.98E+00	3.34E-01	1.11E-05	8.71E-03	6.29E-02	2.77E-02	1.30E+00	1.23E+00	3.48E+00
4607	474863.09	3859877.25	0.46046	0.15947	0.10035	0.2502	0.226	0.275	0.173	0.15947	3.21E+00	2.95E-01	1.04E-05	8.81E-03	7.09E-02	2.58E-02	1.23E+00	1.08E+00	3.75E+00
4608	475363.09	3859877.25	0.46046	0.12293	0.09903	0.21984	0.243	0.213	0.1296	0.12293	3.21E+00	2.27E-01	1.03E-05	7.74E-03	7.62E-02	2.00E-02	9.18E-01	8.36E-01	3.62E+00
4609	475863.09	3859877.25	0.27379	0.09588	0.08029	0.14643	0.185	0.182	0.108	0.09588	1.91E+00	1.77E-01	8.36E-06	5.15E-03	5.81E-02	1.71E-02	7.65E-01	6.52E-01	2.28E+00
4610	476363.09	3859877.25	0.2324	0.07071	0.07925	0.12896	0.168	0.15	0.0714	0.07071	1.62E+00	1.31E-01	8.25E-06	4.54E-03	5.26E-02	1.41E-02	5.06E-01	4.81E-01	1.85E+00
4611	476863.09	3859877.25	0.24984	0.08121	0.08423	0.1447	0.188	0.16	0.0836	0.08121	1.74E+00	1.50E-01	8.77E-06	5.09E-03	5.88E-02	1.51E-02	5.92E-01	5.52E-01	2.01E+00
4612	477363.09	3859877.25	0.25729	0.08358	0.08912	0.14584	0.198	0.164	0.0851	0.08358	1.79E+00	1.54E-01	9.28E-06	5.13E-03	6.19E-02	1.54E-02	6.03E-01	5.68E-01	2.07E+00
4613	477863.09	3859877.25	0.37255	0.1028	0.08283	0.17844	0.27	0.201	0.1103	0.1028	2.60E+00	1.90E-01	8.62E-06	6.28E-03	8.46E-02	1.89E-02	7.82E-01	6.99E-01	2.98E+00
4614	478363.09	3859877.25	0.60536	0.12696	0.10102	0.25438	0.315	0.226	0.1413	0.12696	4.22E+00	2.34E-01	1.05E-05	8.95E-03	9.87E-02	2.12E-02	1.00E+00	8.63E-01	4.72E+00
4615	478863.09	3859877.25	0.68943	0.16111	0.11498	0.33599	0.354	0.318	0.1852	0.16111	4.81E+00	2.98E-01	1.20E-05	1.18E-02	1.11E-01	2.99E-02	1.31E+00	1.10E+00	5.47E+00
4616	479363.09	3859877.25	0.73916	0.22541	0.11754	0.37376	0.407	0.4	0.2343	0.22541	5.15E+00	4.16E-01	1.22E-05	1.32E-02	1.27E-01	3.76E-02	1.66E+00	1.53E+00	5.88E+00
4617	479863.09	3859877.25	0.77093	0.26325	0.21741	0.39503	0.423	0.473	0.2591	0.26325	5.37E+00	4.86E-01	2.26E-05	1.39E-02	1.33E-01	4.44E-02	1.84E+00	1.79E+00	6.10E+00
4618	480363.09	3859877.25	0.81928	0.29582	0.2787	0.4138	0.419	0.528	0.2673	0.29582	5.71E+00	5.46E-01	2.90E-05	1.46E-02	1.31E-01	4.96E-02	1.89E+00	2.01E+00	6.34E+00
4619	480863.09	3859877.25	0.82736	0.3085	0.22633	0.43864	0.441	0.571	0.2714	0.3085	5.77E+00	5.70E-01	2.36E-05	1.54E-02	1.38E-01	5.37E-02	1.92E+00	2.10E+00	6.37E+00
4620	481363.09	3859877.25	0.8637	0.32858	0.19139	0.46358	0.464	0.61	0.2803	0.32858	6.02E+00	6.07E-01	1.99E-05	1.63E-02	1.45E-01	5.73E-02	1.99E+00	2.23E+00	6.60E+00
4621	481863.09	3859877.25	0.89905	0.333	0.22916	0.49724	0.683	0.66	0.289	0.333	6.27E+00	6.15E-01	2.39E-05	1.75E-02	2.14E-01	6.21E-02	2.05E+00	2.26E+00	6.96E+00
4622	482363.09	3859877.25	0.93536	0.34178	0.30376	0.5421	0.88	0.722	0.3059	0.34178	6.52E+00	6.31E-01	3.16E-05	1.91E-02	2.76E-01	6.79E-02	2.17E+00	2.32E+00	7.36E+00
4623	482863.09	3859877.25	0.97031	0.36098	0.37238	0.59048	1.05	0.839	0.3282	0.36098	6.76E+00	6.67E-01	3.88E-05	2.08E-02	3.29E-01	7.88E-02	2.33E+00	2.45E+00	7.73E+00
4624	483363.09	3859877.25	0.97131	0.39269	0.30946	0.64591	1.236	0.976	0.3497	0.39269	6.77E+00	7.25E-01	3.22E-05	2.27E-02	3.87E-01	9.17E-02	2.48E+00	2.67E+00	7.81E+00
4625	483863.09	3859877.25	0.96354	0.41494	0.35464	0.69127	0.935	1.165	0.3605	0.41494	6.72E+00	7.66E-01	3.69E-05	2.43E-02	2.93E-01	1.09E-01	2.55E+00	2.82E+00	7.64E+00
4626	484363.09	3859877.25	1.08242	0.42456	0.33683	0.74822	0.837	1.257	0.3864	0.42456	7.55E+00	7.84E-01	3.51E-05	2.63E-02	2.62E-01	1.18E-01	2.74E+00	2.89E+00	8.59E+00
4627	484863.09	3859877.25	1.16088	0.44922	0.30031	0.77103	1.061	1.429	0.4066	0.44922	8.09E+00	8.30E-01	3.13E-05	2.71E-02	3.32E-01	1.34E-01	2.88E+00	3.05E+00	9.24E+00
4628	485363.09	3859877.25	1.35512	0.51474	0.23042	0.90227	1.169	1.703	0.4222	0.51474	9.45E+00	9.51E-01	2.40E-05	3.18E-02	3.66E-01	1.60E-01	2.99E+00	3.50E+00	1.04E+01
4629	485863.09	3859877.25	1.56442	0.61634	0.30514	0.94441	0.55	1.943	0.4794	0.61634	1.09E+01	1.14E+00	3.18E-05	3.32E-02	1.72E-01	1.83E-01	3.40E+00	4.19E+00	1.16E+01
4630	486363.09	3859877.25	1.86718	0.65939	0.39502	1.05255	0.452	2.2	0.5375	0.65939	1.30E+01	1.22E+00	4.11E-05	3.70E-02	1.42E-01	2.07E-01	3.81E+00	4.48E+00	1.39E+01
4631	486863.09	3859877.25	2.14335	0.75601	0.34838	1.24901	0.374	2.665	0.6132	0.75601	1.49E+01	1.40E+00	3.63E-05	4.40E-02	1.17E-01	2.51E-01	4.34E+00	5.14E+00	1.60E+01
4632	487363.09	3859877.25	2.75783	0.82202	0.59192	1.42273	0.27	3.572	0.7145	0.82202	1.92E+01	1.52E+00	6.16E-05	5.01E-02	8.45E-02	3.36E-01	5.06E+00	5.59E+00	2.07E+01
4633	487863.09	3859877.25	3.46554	0.91583	0.61963	1.7771	0.199	3.872	0.8504	0.91583	2.42E+01	1.69E+00	6.45E-05	6.25E-02	6.22E-02	3.64E-01	6.03E+00	6.23E+00	2.61E+01
4634	488363.09	3859877.25	3.59834	1.0905	1.12883	2.20564	0.331	6.183	1.0073	1.0905	2.51E+01	2.01E+00	1.18E-04	7.76E-02	1.04E-01	5.81E-01	7.14E+00	7.42E+00	2.76E+01
4635	488863.09	3859877.25	3.2853	1.37003	1.57996	3.50275	0.551	3.496	1.2723	1.37003	2.29E+01	2.53E+00	1.64E-04	1.23E-01	1.73E-01	3.29E-01	9.01E+00	9.32E+00	2.58E+01
4636	489363.09	3859877.25	3.05771	1.62953	1.48487	5.35357	1.482	2.566	1.589	1.62953	2.13E+01	3.01E+00	1.55E-04	1.88E-01	4.64E-01	2.41E-01	1.13E+01	1.11E+01	2.54E+01
4637	489863.09	3859877.25	2.52229	2.38234	0.99267	3.71526	1.032	2.446	2.3926	2.38234	1.76E+01	4.40E+00	1.03E-04	1.31E-01	3.23E-01	2.30E-01	1.70E+01	1.62E+01	2.34E+01
4638	490363.09	3859877.25	2.02464	3.59782	2.01119	4.79829	1.035	2.787	3.6215	3.59782	1.41E+01	6.64E+00	2.09E-04	1.69E-01	3.24E-01	2.62E-01	2.57E+01	2.45E+01	2.27E+01
4639	490863.09	3859877.25	2.48212	8.16657	3.64827	14.87081	0.844	10.82	8.7382	8.16657	1.73E+01	1.51E+01	3.80E-04	5.23E-01	2.64E-01	1.02E+00	6.19E+01	5.55E+01	4.06E+01
4640	491363.09	3859877.25	2.22677	3.1077	3.71755	9.96583	1.043	5.224	2.9882	3.1077	1.55E+01	5.74E+00	3.87E-04	3.51E-01	3.27E-01	4.91E-01	2.12E+01	2.11E+01	2.25E+01
4641	491863.09	3859877.25	1.88306	1.91241	2.75352	4.93643	0.929	3.169	1.8331	1.91241	1.31E+01	3.53E+00	2.87E-04	1.74E-01	2.91E-01	2.98E-01	1.30E+01	1.30E+01	1.74E+01
4642	492363.09	3859877.25	1.60416	1.29448	2.26923	3.50895	1.07	2.476	1.2856	1.29448	1.12E+01	2.39E+00	2.36E-04	1.24E-01	3.35E-01	2.33E-01	9.11E+00	8.80E+00	1.46E+01
4643	492863.09	3859877.25	1.48861	0.99733	1.76742	2.41615	1.108	1.924	0.9224	0.99733	1.04E+01	1.84E+00	1.84E-04	8.50E-02	3.47E-01	1.81E-01	6.54E+00	6.78E+00	1.26E+01
4644	493363.09	3859877.25	1.38916	0.83919	1.43756	1.81119	1.251	1.829	0.7919	0.83919	9.68E+00	1.55E+00	1.50E-04	6.37E-02	3.92E-01	1.72E-01	5.61E+00	5.71E+00	1.18E+01
4645	493863.09	3859877.25	1.29253	0.74247	1.19953	1.59746	1.418	1.931	0.6747	0.74247	9.01E+00	1.37E+00	1.25E-04	5.62E-02	4.44E-01	1.82E-01	4.78E+00	5.05E+00	1.08E+01
4646	494363.09	3859877.25	1.24745	0.61626	1.12782	1.322	1.423	3.88	0.5678	0.61626	8.70E+00	1.14E+00	1.17E-04	4.65E-02	4.46E-01	3.65E-01	4.02E+00	4.19E+00	1.05E+01
4647	494863.09	3859877.25	1.18078	0.54741	1.01862	1.16686	1.492	3.203	0.5271	0.54741	8.23E+00	1.01E+00	1.06E-04	4.11E-02	4.67E-01	3.01E-01	3.73E+00	3.72E+00	1.01E+01
4648	495363.09	3859877.25	1.13616	0.47538	0.90726	1.04116	1.757	2.375	0.459	0.47538	7.92E+00	8.78E-01	9.45E-05	3.66E-02	5.50E-01	2.23E-01	3.25E+00	3.23E+00	9.63E+00
4649	495863.09	3859877.25	1.09422	0.41536	0.82114	0.94763	1.382	1.927	0.4012	0.41536	7.63E+00	7.67E-01	8.55E-05	3.34E-02	4.33E-01	1.81E-01	2.84E+00	2.82E+00	9.06E+00
4650	496363.09	3859877.25	1.05124	0.33279	0.67198	0.7903	1.197	1.421	0.3264	0.33279	7.33E+00	6.15E-01	7.00E-05	2.78E-02	3.75E-01	1.34E-01	2.31E+00	2.26E+00	8.53E+00
4651	496863.09	3859877.25	0.89192	0.19225	0.46275	0.60627	0.995	0.917	0.2256	0.19225	6.22E+00	3.55E-01	4.82E-05	2.13E-02	3.12E-01	8.62E-02	1.60E+00	1.31E+00	7.28E+00
4652	497363.09	3859877.25	0.91224	0.26571	0.511	0.70748	1.147	1.121	0.2637	0.26571	6.36E+00	4.91E-01	5.32E-05	2.49E-02	3.59E-01	1.05E-01	1.87E+00	1.81E+00	7.40E+00
4653	497863.09	3859877.25	0.89694	0.35173	0.58287	0.92077	1.236	1.286	0.3363	0.35173	6.25E+00	6.50E-01	6.07E-05	3.24E-02	3.87E-01	1.21E-01	2.38E+00	2.39E+00	7.43E+00
4654	498363.09	3859877.25	0.84477	0.3675	0.63231	0.93329	1.122	1.316	0.3509	0.3675	5.89E+00	6.79E-01	6.58E-05	3.28E-02	3.51E-01	1.24E-01	2.49E+00	2.50E+00	7.06E+00
4655	471363.09	3860377.25	0.31919	0.1641	0.10565	0.18194	0.138	0.234	0.1609	0.1641	2.23E+00	3.03E-01	1.10E-05	6.40E-03	4.33E-02	2.20E-02	1.14E+00	1.12E+00	2.62E+00
4656	471863.09	3860377.25	0.32701	0.16731	0.07688	0.18271	0.161	0.234	0.1636	0.16731	2.28E+00	3.09E-01	8.00E-06	6.43E-03	5.04E-02	2.20E-02	1.16E+00	1.14E+00	2.69E+00
4657	472363.09	3860377.25	0.33596	0.16807	0.08924	0.1845	0.19	0.242	0.1646	0.16807	2.34E+00	3.10E-01	9.29E-06	6.49E-03	5.94E-02	2.28E-02	1.17E+00	1.14E+00	2.76E+00

4658	472863.09	3860377.25	0.34876	0.17237	0.10209	0.19125	0.193	0.277	0.1671	0.17237	2.43E+00	3.18E-01	1.06E-05	6.73E-03	6.04E-02	2.60E-02	1.18E+00	1.17E+00	2.85E+00
4659	473363.09	3860377.25	0.37563	0.17848	0.11953	0.20751	0.214	0.288	0.1728	0.17848	2.62E+00	3.30E-01	1.24E-05	7.30E-03	6.70E-02	2.71E-02	1.22E+00	1.21E+00	3.06E+00
4660	473863.09	3860377.25	0.41634	0.18484	0.1198	0.22309	0.232	0.302	0.1771	0.18484	2.90E+00	3.41E-01	1.25E-05	7.85E-03	7.28E-02	2.84E-02	1.26E+00	1.26E+00	3.35E+00
4661	474363.09	3860377.25	0.49142	0.18279	0.12349	0.23827	0.205	0.299	0.1822	0.18279	3.43E+00	3.38E-01	1.29E-05	8.39E-03	6.43E-02	2.81E-02	1.29E+00	1.24E+00	3.91E+00
4662	474863.09	3860377.25	0.53571	0.1809	0.12185	0.23609	0.219	0.288	0.1794	0.1809	3.73E+00	3.34E-01	1.27E-05	8.31E-03	6.87E-02	2.71E-02	1.27E+00	1.23E+00	4.21E+00
4663	475363.09	3860377.25	0.54562	0.15968	0.08052	0.24776	0.225	0.278	0.1657	0.15968	3.80E+00	2.95E-01	8.38E-06	8.72E-03	7.04E-02	2.61E-02	1.17E+00	1.09E+00	4.29E+00
4664	475863.09	3860377.25	0.54839	0.14014	0.07575	0.2345	0.234	0.25	0.1561	0.14014	3.82E+00	2.59E-01	7.89E-06	8.25E-03	7.33E-02	2.35E-02	1.11E+00	9.53E-01	4.34E+00
4665	476363.09	3860377.25	0.53812	0.12258	0.08181	0.21983	0.258	0.218	0.1303	0.12258	3.75E+00	2.26E-01	8.52E-06	7.74E-03	8.09E-02	2.05E-02	9.23E-01	8.34E-01	4.18E+00
4666	476863.09	3860377.25	0.54539	0.11509	0.10045	0.19612	0.243	0.201	0.1249	0.11509	3.80E+00	2.13E-01	1.05E-05	6.90E-03	7.62E-02	1.89E-02	8.85E-01	7.83E-01	4.22E+00
4667	477363.09	3860377.25	0.33163	0.09508	0.08956	0.16051	0.256	0.179	0.0979	0.09508	2.31E+00	1.76E-01	9.32E-06	5.65E-03	8.03E-02	1.68E-02	6.94E-01	6.47E-01	2.64E+00
4668	477863.09	3860377.25	0.43248	0.10322	0.07512	0.17658	0.299	0.191	0.1105	0.10322	3.02E+00	1.91E-01	7.82E-06	6.21E-03	9.37E-02	1.79E-02	7.83E-01	7.02E-01	3.40E+00
4669	478363.09	3860377.25	0.57194	0.12967	0.09876	0.25026	0.307	0.24	0.1443	0.12967	3.99E+00	2.39E-01	1.03E-05	8.81E-03	9.61E-02	2.26E-02	1.02E+00	8.82E-01	4.50E+00
4670	478863.09	3860377.25	0.66984	0.1643	0.09747	0.29636	0.355	0.324	0.1738	0.1643	4.67E+00	3.03E-01	1.01E-05	1.04E-02	1.11E-01	3.04E-02	1.23E+00	1.12E+00	5.24E+00
4671	479363.09	3860377.25	0.75911	0.21625	0.19734	0.36926	0.32	0.397	0.2324	0.21625	5.29E+00	3.99E-01	2.05E-05	1.30E-02	1.00E-01	3.73E-02	1.65E+00	1.47E+00	6.02E+00
4672	479863.09	3860377.25	0.76949	0.26786	0.22617	0.41117	0.329	0.483	0.2548	0.26786	5.36E+00	4.95E-01	2.35E-05	1.45E-02	1.03E-01	4.54E-02	1.81E+00	1.82E+00	6.01E+00
4673	480363.09	3860377.25	0.79763	0.28547	0.25251	0.42381	0.41	0.495	0.2605	0.28547	5.56E+00	5.27E-01	2.63E-05	1.49E-02	1.28E-01	4.65E-02	1.85E+00	1.94E+00	6.18E+00
4674	480863.09	3860377.25	0.81452	0.30467	0.22691	0.46385	0.52	0.52	0.2788	0.30467	5.68E+00	5.63E-01	2.36E-05	1.63E-02	1.63E-01	4.88E-02	1.98E+00	2.07E+00	6.37E+00
4675	481363.09	3860377.25	0.81386	0.31941	0.28699	0.48702	0.619	0.563	0.2818	0.31941	5.67E+00	5.90E-01	2.99E-05	1.71E-02	1.94E-01	5.29E-02	2.00E+00	2.17E+00	6.35E+00
4676	481863.09	3860377.25	0.83253	0.3267	0.36855	0.50019	0.819	0.681	0.2912	0.3267	5.80E+00	6.03E-01	3.84E-05	1.76E-02	2.57E-01	6.41E-02	2.06E+00	2.22E+00	6.59E+00
4677	482363.09	3860377.25	0.85975	0.33669	0.38936	0.55016	0.764	0.781	0.2959	0.33669	5.99E+00	6.22E-01	4.05E-05	1.94E-02	2.39E-01	7.35E-02	2.10E+00	2.29E+00	6.76E+00
4678	482863.09	3860377.25	0.86598	0.34928	0.29227	0.58387	0.786	0.861	0.3094	0.34928	6.04E+00	6.45E-01	3.04E-05	2.05E-02	2.46E-01	8.10E-02	2.19E+00	2.38E+00	6.85E+00
4679	483363.09	3860377.25	0.92076	0.38457	0.26309	0.5969	0.743	0.946	0.3305	0.38457	6.42E+00	7.10E-01	2.74E-05	2.10E-02	2.33E-01	8.89E-02	2.34E+00	2.62E+00	7.20E+00
4680	483863.09	3860377.25	0.9777	0.39718	0.31774	0.6473	0.714	1.057	0.3578	0.39718	6.82E+00	7.34E-01	3.31E-05	2.28E-02	2.24E-01	9.94E-02	2.54E+00	2.70E+00	7.73E+00
4681	484363.09	3860377.25	0.99038	0.39573	0.34189	0.69124	0.762	1.125	0.3602	0.39573	6.90E+00	7.31E-01	3.56E-05	2.43E-02	2.39E-01	1.06E-01	2.55E+00	2.69E+00	7.87E+00
4682	484863.09	3860377.25	1.01718	0.41269	0.34944	0.76916	0.777	1.278	0.3829	0.41269	7.09E+00	7.62E-01	3.64E-05	2.71E-02	2.43E-01	1.20E-01	2.71E+00	2.81E+00	8.15E+00
4683	485363.09	3860377.25	1.13334	0.44273	0.362	0.83949	0.43	1.42	0.3982	0.44273	7.90E+00	8.18E-01	3.77E-05	2.95E-02	1.35E-01	1.33E-01	2.82E+00	3.01E+00	8.83E+00
4684	485863.09	3860377.25	1.31588	0.47555	0.59747	0.95069	0.393	1.564	0.4285	0.47555	9.17E+00	8.78E-01	6.22E-05	3.35E-02	1.23E-01	1.47E-01	3.04E+00	3.23E+00	1.02E+01
4685	486363.09	3860377.25	1.58743	0.5281	0.38536	0.9716	0.223	1.858	0.4704	0.5281	1.11E+01	9.75E-01	4.01E-05	3.42E-02	7.00E-02	1.75E-01	3.33E+00	3.59E+00	1.21E+01
4686	486863.09	3860377.25	1.73767	0.5689	0.40226	1.22646	0.275	2.215	0.521	0.5689	1.21E+01	1.05E+00	4.19E-05	4.32E-02	8.60E-02	2.08E-01	3.69E+00	3.87E+00	1.33E+01
4687	487363.09	3860377.25	2.45964	0.66059	0.41922	1.33025	0.169	3.473	0.562	0.66059	1.71E+01	1.22E+00	4.36E-05	4.68E-02	5.30E-02	3.26E-01	3.98E+00	4.49E+00	1.83E+01
4688	487863.09	3860377.25	3.4692	0.74636	0.42131	1.52599	0.135	3.448	0.6881	0.74636	2.42E+01	1.38E+00	4.39E-05	5.37E-02	4.23E-02	3.24E-01	4.88E+00	5.08E+00	2.58E+01
4689	488363.09	3860377.25	3.26353	0.79771	0.59148	2.0226	0.214	5.802	0.7861	0.79771	2.28E+01	1.47E+00	6.16E-05	7.12E-02	6.71E-02	5.45E-01	5.57E+00	5.42E+00	2.51E+01
4690	488863.09	3860377.25	3.82815	0.93887	0.62402	3.1524	0.223	3.384	0.8817	0.93887	2.67E+01	1.73E+00	6.50E-05	1.11E-01	6.99E-02	3.18E-01	6.25E+00	6.38E+00	2.88E+01
4691	489363.09	3860377.25	3.39196	1.1402	0.62262	5.20421	0.478	2.526	1.0034	1.1402	2.36E+01	2.11E+00	6.48E-05	1.83E-01	1.50E-01	2.37E-01	7.11E+00	7.75E+00	2.57E+01
4692	489863.09	3860377.25	2.21471	1.26829	0.49737	2.90025	1.052	2.198	1.239	1.26829	1.54E+01	2.34E+00	5.18E-05	1.02E-01	3.30E-01	2.07E-01	8.78E+00	8.62E+00	1.86E+01
4693	490363.09	3860377.25	1.71875	1.53753	0.54763	2.5103	0.741	1.868	1.5869	1.53753	1.20E+01	2.84E+00	5.70E-05	8.84E-02	2.32E-01	1.76E-01	1.12E+01	1.05E+01	1.61E+01
4694	490863.09	3860377.25	1.49578	2.02823	0.66938	2.67803	0.584	1.962	1.9755	2.02823	1.04E+01	3.75E+00	6.97E-05	9.43E-02	1.83E-01	1.84E-01	1.40E+01	1.38E+01	1.48E+01
4695	491363.09	3860377.25	1.45744	3.51339	0.7894	2.73997	0.694	2.322	3.6186	3.51339	1.02E+01	6.49E+00	8.22E-05	9.64E-02	2.18E-01	2.18E-01	2.56E+01	2.39E+01	1.89E+01
4696	491863.09	3860377.25	2.0462	3.80445	1.21762	2.74561	0.663	2.844	3.7069	3.80445	1.43E+01	7.03E+00	1.27E-04	9.66E-02	2.08E-01	2.67E-01	2.63E+01	2.59E+01	2.23E+01
4697	492363.09	3860377.25	1.60771	2.00231	1.34971	3.1441	0.779	5.929	2.0291	2.00231	1.12E+01	3.70E+00	1.41E-04	1.11E-01	2.44E-01	5.57E-01	1.44E+01	1.36E+01	1.66E+01
4698	492863.09	3860377.25	1.42209	1.54478	1.47711	2.53005	0.607	10.52	1.5193	1.54478	9.91E+00	2.85E+00	1.54E-04	8.90E-02	1.90E-01	9.89E-01	1.08E+01	1.05E+01	1.43E+01
4699	493363.09	3860377.25	1.29033	1.16361	1.40347	2.31294	0.824	6.712	1.1881	1.16361	9.00E+00	2.15E+00	1.46E-04	8.14E-02	2.58E-01	6.31E-01	8.42E+00	7.91E+00	1.26E+01
4700	493863.09	3860377.25	1.18106	0.99011	1.17933	1.91744	0.821	6.211	0.966	0.99011	8.23E+00	1.83E+00	1.23E-04	6.75E-02	2.57E-01	5.84E-01	6.84E+00	6.73E+00	1.11E+01
4701	494363.09	3860377.25	1.15987	0.81973	1.0137	1.59544	0.92	5.795	0.792	0.81973	8.09E+00	1.51E+00	1.06E-04	5.62E-02	2.88E-01	5.45E-01	5.61E+00	5.57E+00	1.05E+01
4702	494863.09	3860377.25	1.08022	0.74066	0.94161	1.40313	0.911	4.343	0.707	0.74066	7.53E+00	1.37E+00	9.80E-05	4.94E-02	2.85E-01	4.08E-01	5.01E+00	5.04E+00	9.61E+00
4703	495363.09	3860377.25	1.07166	0.65153	0.87637	1.28802	0.957	2.984	0.6159	0.65153	7.47E+00	1.20E+00	9.12E-05	4.53E-02	3.00E-01	2.81E-01	4.36E+00	4.43E+00	9.23E+00
4704	495863.09	3860377.25	1.06885	0.54464	0.82123	1.11794	1.122	2.137	0.5042	0.54464	7.45E+00	1.01E+00	8.55E-05	3.93E-02	3.51E-01	2.01E-01	3.57E+00	3.70E+00	8.92E+00
4705	496363.09	3860377.25	1.04337	0.44767	0.77841	0.90631	1.116	1.596	0.4255	0.44767	7.27E+00	8.27E-01	8.10E-05	3.19E-02	3.50E-01	1.50E-01	3.02E+00	3.04E+00	8.60E+00
4706	496863.09	3860377.25	0.99919	0.37451	0.70733	0.76876	1.135	1.266	0.3587	0.37451	6.97E+00	6.92E-01	7.36E-05	2.71E-02	3.56E-01	1.19E-01	2.54E+00	2.55E+00	8.15E+00
4707	497363.09	3860377.25	0.96372	0.29	0.5443	0.6427	0.938	0.949	0.2829	0.29	6.72E+00	5.36E-01	5.67E-05	2.26E-02	2.94E-01	8.92E-02	2.00E+00	1.97E+00	7.69E+00
4708	497863.09	3860377.25	0.90634	0.36204	0.6527	0.82537	0.966	1.197	0.3442	0.36204	6.32E+00	6.69E-01	6.80E-05	2.90E-02	3.03E-01	1.13E-01	2.44E+00	2.46E+00	7.41E+00
4709	498363.09	3860377.25	0.84056	0.41052	0.70417	0.9104	1.188	1.261	0.3845	0.41052	5.86E+00	7.58E-01	7.33E-05	3.20E-02	3.72E-01	1.19E-01	2.72E+00	2.79E+00	7.07E+00
4710	471363.09	3860877.25	0.3109	0.1608	0.09268	0.17158	0.188	0.219	0.1581	0.1608	2.17E+00	2.97E-01	9.65E-06	6.04E-03	5.88E-02	2.06E-02	1.12E+00	1.09E+00	2.58E+00
4711	471863.09	3860877.25	0.32397	0.1637	0.09708	0.18233	0.174	0.239	0.1621	0.1637	2.26E+00	3.02E-01	1.01E-05	6.42E-03	5.44E-02	2.24E-02	1.15E+00	1.11E+00	2.68E+00
4712	472363.09	3860877.25	0.34293	0.16673	0.11282	0.19685	0.181	0.262	0.1621	0.16673	2.39E+00	3.08E-01	1.17E-05	6.93E-03	5.67E-02	2.46E-02	1.15E+00	1.13E+00	2.80E+00
4713	472863.09	3860877.25	0.37185	0.17045	0.12142	0.2128	0.193	0.276	0.1623	0.17045	2.59E+00	3.15E-01	1.26E-05	7.49E-03	6.06E-02	2.60E-02	1.15E+00	1.16E+00	2.99E+00
4714	473363.09	3860877.25	0.42709	0.17376	0.11034	0.22645	0.197	0.284	0.1697	0.17376	2.98E+00	3.21E-01	1.15E-05	7.97E-03	6.17E-02	2.67E-02	1.20E+00	1.18E+00	3.42E+00
4715	473863.09	3860877.25	0.45649	0.17812	0.09901	0.23142	0.212	0.295	0.1737	0.17812	3.18E+00	3.29E-01	1.03E-05	8.15E-03	6.64E-02	2.77E-02	1.23E+00	1.21E+00	3.63E+00
4716	474363.09	3860877.25	0.4741	0.1806	0.12157	0.23664	0.237	0.314	0.1798	0.1806	3.31E+00	3.34E-01	1.27E-05	8.33E-03	7.43E-02	2.95E-02	1.27E+00	1.23E+00	3.80E+00

4717	474863.09	3860877.25	0.4953	0.18425	0.13878	0.25579	0.243	0.325	0.182	0.18425	3.45E+00	3.40E-01	1.44E-05	9.00E-03	7.62E-02	3.05E-02	1.29E+00	1.25E+00	3.95E+00
4718	475363.09	3860877.25	0.53576	0.18163	0.13834	0.26653	0.244	0.34	0.1824	0.18163	3.74E+00	3.35E-01	1.44E-05	9.38E-03	7.64E-02	3.20E-02	1.29E+00	1.24E+00	4.25E+00
4719	475863.09	3860877.25	0.5682	0.16987	0.14519	0.27941	0.258	0.331	0.175	0.16987	3.96E+00	3.14E-01	1.51E-05	9.83E-03	8.10E-02	3.12E-02	1.24E+00	1.16E+00	4.48E+00
4720	476363.09	3860877.25	0.58768	0.16217	0.11937	0.28289	0.271	0.297	0.1713	0.16217	4.10E+00	3.00E-01	1.24E-05	9.96E-03	8.49E-02	2.79E-02	1.21E+00	1.10E+00	4.63E+00
4721	476863.09	3860877.25	0.58491	0.151	0.12261	0.27819	0.257	0.288	0.1613	0.151	4.08E+00	2.79E-01	1.28E-05	9.79E-03	8.06E-02	2.71E-02	1.14E+00	1.03E+00	4.59E+00
4722	477363.09	3860877.25	0.58804	0.14959	0.11843	0.27642	0.281	0.288	0.1605	0.14959	4.10E+00	2.76E-01	1.23E-05	9.73E-03	8.81E-02	2.70E-02	1.14E+00	1.02E+00	4.62E+00
4723	477863.09	3860877.25	0.59814	0.13188	0.12316	0.2561	0.282	0.257	0.1467	0.13188	4.17E+00	2.44E-01	1.28E-05	9.01E-03	8.84E-02	2.42E-02	1.04E+00	8.97E-01	4.68E+00
4724	478363.09	3860877.25	0.4656	0.11025	0.08158	0.19575	0.265	0.218	0.1193	0.11025	3.25E+00	2.04E-01	8.49E-06	6.89E-03	8.29E-02	2.05E-02	8.45E-01	7.50E-01	3.66E+00
4725	478863.09	3860877.25	0.66132	0.15846	0.16437	0.30359	0.304	0.31	0.1694	0.15846	4.61E+00	2.93E-01	1.71E-05	1.07E-02	9.52E-02	2.92E-02	1.20E+00	1.08E+00	5.16E+00
4726	479363.09	3860877.25	0.70448	0.21567	0.20277	0.35542	0.346	0.424	0.2252	0.21567	4.91E+00	3.98E-01	2.11E-05	1.25E-02	1.09E-01	3.98E-02	1.60E+00	1.47E+00	5.60E+00
4727	479863.09	3860877.25	0.75834	0.25454	0.27385	0.40096	0.408	0.473	0.2382	0.25454	5.29E+00	4.70E-01	2.85E-05	1.41E-02	1.28E-01	4.45E-02	1.69E+00	1.73E+00	5.90E+00
4728	480363.09	3860877.25	0.7522	0.26858	0.23643	0.43189	0.455	0.52	0.2527	0.26858	5.24E+00	4.96E-01	2.46E-05	1.52E-02	1.43E-01	4.88E-02	1.79E+00	1.83E+00	5.91E+00
4729	480863.09	3860877.25	0.74419	0.28121	0.21168	0.45103	0.661	0.552	0.2617	0.28121	5.19E+00	5.19E-01	2.20E-05	1.59E-02	2.07E-01	5.19E-02	1.85E+00	1.91E+00	5.92E+00
4730	481363.09	3860877.25	0.76314	0.29817	0.24269	0.47647	0.58	0.626	0.2703	0.29817	5.32E+00	5.51E-01	2.53E-05	1.68E-02	1.82E-01	5.89E-02	1.92E+00	2.03E+00	6.02E+00
4731	481863.09	3860877.25	0.77934	0.31013	0.2347	0.49061	0.625	0.737	0.2772	0.31013	5.43E+00	5.73E-01	2.44E-05	1.73E-02	1.96E-01	6.93E-02	1.96E+00	2.11E+00	6.14E+00
4732	482363.09	3860877.25	0.80367	0.32344	0.26049	0.55405	0.607	0.788	0.2901	0.32344	5.60E+00	5.97E-01	2.71E-05	1.95E-02	1.90E-01	7.41E-02	2.06E+00	2.20E+00	6.34E+00
4733	482863.09	3860877.25	0.81463	0.33498	0.24109	0.57159	0.606	0.843	0.2967	0.33498	5.68E+00	6.19E-01	2.51E-05	2.01E-02	1.90E-01	7.92E-02	2.10E+00	2.28E+00	6.41E+00
4734	483363.09	3860877.25	0.87011	0.3492	0.20763	0.60075	0.424	0.889	0.3163	0.3492	6.07E+00	6.45E-01	2.16E-05	2.11E-02	1.33E-01	8.36E-02	2.24E+00	2.37E+00	6.82E+00
4735	483863.09	3860877.25	0.86934	0.3714	0.24817	0.66182	0.612	0.893	0.3311	0.3714	6.06E+00	6.86E-01	2.58E-05	2.33E-02	1.92E-01	8.40E-02	2.35E+00	2.53E+00	6.87E+00
4736	484363.09	3860877.25	0.89397	0.37019	0.28833	0.694	0.563	0.983	0.3412	0.37019	6.23E+00	6.84E-01	3.00E-05	2.44E-02	1.76E-01	9.24E-02	2.42E+00	2.52E+00	7.11E+00
4737	484863.09	3860877.25	0.92113	0.37977	0.28092	0.75121	0.35	1.092	0.3523	0.37977	6.42E+00	7.01E-01	2.92E-05	2.64E-02	1.10E-01	1.03E-01	2.50E+00	2.58E+00	7.28E+00
4738	485363.09	3860877.25	0.94993	0.40488	0.29815	0.79818	0.248	1.146	0.372	0.40488	6.62E+00	7.48E-01	3.10E-05	2.81E-02	7.77E-02	1.08E-01	2.64E+00	2.75E+00	7.47E+00
4739	485863.09	3860877.25	1.13936	0.4386	0.29108	0.88169	0.239	1.263	0.3964	0.4386	7.94E+00	8.10E-01	3.03E-05	3.10E-02	7.49E-02	1.19E-01	2.81E+00	2.98E+00	8.80E+00
4740	486363.09	3860877.25	1.3288	0.47469	0.35022	0.93172	0.184	1.429	0.4423	0.47469	9.26E+00	8.77E-01	3.65E-05	3.28E-02	5.75E-02	1.34E-01	3.13E+00	3.23E+00	1.03E+01
4741	486863.09	3860877.25	1.5078	0.4931	0.32019	1.05219	0.166	1.682	0.4774	0.4931	1.05E+01	9.11E-01	3.33E-05	3.70E-02	5.21E-02	1.58E-01	3.38E+00	3.35E+00	1.17E+01
4742	487363.09	3860877.25	1.88086	0.53811	0.35486	1.11718	0.13	2.288	0.5056	0.53811	1.31E+01	9.94E-01	3.69E-05	3.93E-02	4.08E-02	2.15E-01	3.58E+00	3.66E+00	1.43E+01
4743	487863.09	3860877.25	2.38786	0.62791	0.23994	1.33667	0.108	3.223	0.5491	0.62791	1.66E+01	1.16E+00	2.50E-05	4.70E-02	3.39E-02	3.03E-01	3.89E+00	4.27E+00	1.78E+01
4744	488363.09	3860877.25	2.17391	0.68851	0.36608	1.73793	0.118	3.151	0.6357	0.68851	1.52E+01	1.27E+00	3.81E-05	6.12E-02	3.70E-02	2.96E-01	4.50E+00	4.68E+00	1.66E+01
4745	488863.09	3860877.25	2.22764	0.69766	0.40471	2.84015	0.162	2.884	0.6792	0.69766	1.55E+01	1.29E+00	4.21E-05	1.00E-01	5.09E-02	2.71E-01	4.81E+00	4.74E+00	1.73E+01
4746	489363.09	3860877.25	2.31567	0.79343	0.43666	4.54859	0.241	2.301	0.7656	0.79343	1.61E+01	1.47E+00	4.55E-05	1.60E-01	7.55E-02	2.16E-01	5.42E+00	5.40E+00	1.81E+01
4747	489863.09	3860877.25	1.64092	0.93032	0.29193	2.32729	0.663	1.776	0.8438	0.93032	1.14E+01	1.72E+00	3.04E-05	8.19E-02	2.08E-01	1.67E-01	5.98E+00	6.33E+00	1.33E+01
4748	490363.09	3860877.25	1.43762	1.02818	0.26133	1.93785	0.633	1.532	0.9852	1.02818	1.00E+01	1.90E+00	2.72E-05	6.82E-02	1.98E-01	1.44E-01	6.98E+00	6.99E+00	1.23E+01
4749	490863.09	3860877.25	1.26437	1.21157	0.35141	1.63044	0.558	1.379	1.2669	1.21157	8.81E+00	2.24E+00	3.66E-05	5.74E-02	1.75E-01	1.30E-01	8.98E+00	8.24E+00	1.22E+01
4750	491363.09	3860877.25	1.15495	1.64689	0.35986	1.66136	0.465	1.46	1.557	1.64689	8.05E+00	3.04E+00	3.75E-05	5.85E-02	1.46E-01	1.37E-01	1.10E+01	1.12E+01	1.13E+01
4751	491863.09	3860877.25	1.09371	2.82513	0.29996	1.59998	0.524	1.453	2.8111	2.82513	7.63E+00	5.22E+00	3.12E-05	5.63E-02	1.64E-01	1.37E-01	1.99E+01	1.92E+01	1.39E+01
4752	492363.09	3860877.25	0.96469	4.14202	0.44489	1.32663	0.543	1.454	4.1604	4.14202	6.73E+00	7.65E+00	4.63E-05	4.67E-02	1.70E-01	1.37E-01	2.95E+01	2.82E+01	1.60E+01
4753	492863.09	3860877.25	1.02921	2.38141	0.6474	1.06761	0.7	1.593	2.3589	2.38141	7.18E+00	4.40E+00	6.74E-05	3.76E-02	2.19E-01	1.50E-01	1.67E+01	1.62E+01	1.25E+01
4754	493363.09	3860877.25	1.02299	1.80477	0.78282	1.15548	0.548	1.753	1.7889	1.80477	7.13E+00	3.33E+00	8.15E-05	4.07E-02	1.72E-01	1.65E-01	1.27E+01	1.23E+01	1.12E+01
4755	493863.09	3860877.25	1.04525	1.45729	0.85158	1.387	0.508	2.338	1.4578	1.45729	7.29E+00	2.69E+00	8.87E-05	4.88E-02	1.59E-01	2.20E-01	1.03E+01	9.91E+00	1.08E+01
4756	494363.09	3860877.25	0.97083	1.28325	0.87322	1.18096	0.671	1.969	1.3203	1.28325	6.77E+00	2.37E+00	9.09E-05	4.16E-02	2.10E-01	1.85E-01	9.35E+00	8.73E+00	1.02E+01
4757	494863.09	3860877.25	0.94142	1.05847	0.8704	1.19683	0.608	1.848	1.0728	1.05847	6.56E+00	1.95E+00	9.06E-05	4.21E-02	1.90E-01	1.74E-01	7.60E+00	7.20E+00	9.33E+00
4758	495363.09	3860877.25	0.91184	0.9332	0.82849	1.02691	0.676	1.783	0.9309	0.9332	6.36E+00	1.72E+00	8.63E-05	3.61E-02	2.12E-01	1.68E-01	6.60E+00	6.35E+00	8.75E+00
4759	495863.09	3860877.25	0.83584	0.82449	0.75237	0.99975	0.673	1.695	0.8356	0.82449	5.83E+00	1.52E+00	7.83E-05	3.52E-02	2.11E-01	1.59E-01	5.92E+00	5.61E+00	8.07E+00
4760	496363.09	3860877.25	0.86583	0.66775	0.72015	0.97207	0.719	1.598	0.6383	0.66775	6.04E+00	1.23E+00	7.50E-05	3.42E-02	2.25E-01	1.50E-01	4.52E+00	4.54E+00	7.66E+00
4761	496863.09	3860877.25	0.92639	0.49825	0.67463	0.86965	0.848	1.463	0.4914	0.49825	6.46E+00	9.20E-01	7.02E-05	3.06E-02	2.66E-01	1.38E-01	3.48E+00	3.39E+00	7.91E+00
4762	497363.09	3860877.25	0.90067	0.48703	0.64909	0.84303	0.931	1.354	0.4619	0.48703	6.28E+00	9.00E-01	6.76E-05	2.97E-02	2.92E-01	1.27E-01	3.27E+00	3.31E+00	7.59E+00
4763	497863.09	3860877.25	0.88598	0.4525	0.60498	0.78813	0.968	1.277	0.4011	0.4525	6.18E+00	8.36E-01	6.30E-05	2.77E-02	3.03E-01	1.20E-01	2.84E+00	3.08E+00	7.23E+00
4764	498363.09	3860877.25	0.83333	0.45776	0.58403	0.77868	1.063	1.283	0.4254	0.45776	5.81E+00	8.45E-01	6.08E-05	2.74E-02	3.33E-01	1.21E-01	3.01E+00	3.11E+00	7.04E+00
4765	471363.09	3861377.25	0.29694	0.16801	0.10217	0.1747	0.175	0.241	0.1547	0.16801	2.07E+00	3.10E-01	1.06E-05	6.15E-03	5.48E-02	2.27E-02	1.10E+00	1.14E+00	2.42E+00
4766	471863.09	3861377.25	0.32912	0.1703	0.09563	0.18982	0.182	0.258	0.1556	0.1703	2.29E+00	3.15E-01	9.96E-06	6.68E-03	5.71E-02	2.43E-02	1.10E+00	1.16E+00	2.64E+00
4767	472363.09	3861377.25	0.3851	0.17379	0.11357	0.205	0.202	0.27	0.1593	0.17379	2.68E+00	3.21E-01	1.18E-05	7.22E-03	6.33E-02	2.54E-02	1.13E+00	1.18E+00	3.05E+00
4768	472863.09	3861377.25	0.41634	0.17768	0.13766	0.21578	0.233	0.274	0.1633	0.17768	2.90E+00	3.28E-01	1.43E-05	7.59E-03	7.31E-02	2.57E-02	1.16E+00	1.21E+00	3.29E+00
4769	473363.09	3861377.25	0.44121	0.18247	0.14606	0.21977	0.246	0.277	0.1695	0.18247	3.08E+00	3.37E-01	1.52E-05	7.74E-03	7.71E-02	2.60E-02	1.20E+00	1.24E+00	3.48E+00
4770	473863.09	3861377.25	0.46179	0.18563	0.14405	0.22361	0.227	0.282	0.1731	0.18563	3.22E+00	3.43E-01	1.50E-05	7.87E-03	7.10E-02	2.65E-02	1.23E+00	1.26E+00	3.63E+00
4771	474363.09	3861377.25	0.46359	0.19004	0.14483	0.237	0.274	0.298	0.176	0.19004	3.23E+00	3.51E-01	1.51E-05	8.34E-03	8.60E-02	2.80E-02	1.25E+00	1.29E+00	3.66E+00
4772	474863.09	3861377.25	0.48628	0.19207	0.14847	0.25239	0.252	0.314	0.1767	0.19207	3.39E+00	3.55E-01	1.55E-05	8.88E-03	7.90E-02	2.95E-02	1.25E+00	1.31E+00	3.81E+00
4773	475363.09	3861377.25	0.53309	0.19563	0.14289	0.268	0.242	0.321	0.1802	0.19563	3.72E+00	3.61E-01	1.49E-05	9.43E-03	7.58E-02	3.01E-02	1.28E+00	1.33E+00	4.14E+00
4774	475863.09	3861377.25	0.55624	0.19553	0.13966	0.27981	0.269	0.32	0.1804	0.19553	3.88E+00	3.61E-01	1.45E-05	9.85E-03	8.44E-02	3.00E-02	1.28E+00	1.33E+00	4.31E+00
4775	476363.09	3861377.25	0.54976	0.19004	0.12248	0.29168	0.258	0.334	0.1857	0.19004	3.83E+00	3.51E-01	1.28E-05	1.03E-02	8.08E-02	3.14E-02	1.32E+00	1.29E+00	4.33E+00

4776	476863.09	3861377.25	0.57836	0.18649	0.15551	0.30858	0.235	0.332	0.1886	0.18649	4.03E+00	3.44E-01	1.62E-05	1.09E-02	7.37E-02	3.12E-02	1.34E+00	1.27E+00	4.56E+00
4777	477363.09	3861377.25	0.6234	0.18266	0.14352	0.31338	0.255	0.339	0.1912	0.18266	4.35E+00	3.37E-01	1.49E-05	1.10E-02	7.99E-02	3.19E-02	1.35E+00	1.24E+00	4.92E+00
4778	477863.09	3861377.25	0.60178	0.16423	0.10851	0.29428	0.264	0.302	0.1697	0.16423	4.20E+00	3.03E-01	1.13E-05	1.04E-02	8.27E-02	2.84E-02	1.20E+00	1.12E+00	4.71E+00
4779	478363.09	3861377.25	0.51124	0.11897	0.11299	0.21925	0.307	0.225	0.1279	0.11897	3.56E+00	2.20E-01	1.18E-05	7.72E-03	9.61E-02	2.12E-02	9.06E-01	8.09E-01	4.01E+00
4780	478863.09	3861377.25	0.57066	0.13075	0.14326	0.24526	0.264	0.263	0.1368	0.13075	3.98E+00	2.41E-01	1.49E-05	8.63E-03	8.28E-02	2.47E-02	9.69E-01	8.89E-01	4.42E+00
4781	479363.09	3861377.25	0.71851	0.19871	0.21541	0.3458	0.265	0.424	0.2107	0.19871	5.01E+00	3.67E-01	2.24E-05	1.22E-02	8.29E-02	3.98E-02	1.49E+00	1.35E+00	5.65E+00
4782	479863.09	3861377.25	0.72364	0.23897	0.25004	0.37913	0.477	0.492	0.2272	0.23897	5.05E+00	4.41E-01	2.60E-05	1.33E-02	1.50E-01	4.63E-02	1.61E+00	1.62E+00	5.68E+00
4783	480363.09	3861377.25	0.67938	0.25919	0.24987	0.39947	0.465	0.538	0.2373	0.25919	4.74E+00	4.79E-01	2.60E-05	1.41E-02	1.46E-01	5.06E-02	1.68E+00	1.76E+00	5.34E+00
4784	480863.09	3861377.25	0.6764	0.2704	0.26455	0.43889	0.459	0.617	0.2395	0.2704	4.72E+00	4.99E-01	2.75E-05	1.54E-02	1.44E-01	5.80E-02	1.70E+00	1.84E+00	5.29E+00
4785	481363.09	3861377.25	0.69938	0.28159	0.23984	0.44453	0.518	0.616	0.258	0.28159	4.88E+00	5.20E-01	2.50E-05	1.56E-02	1.62E-01	5.79E-02	1.83E+00	1.91E+00	5.55E+00
4786	481863.09	3861377.25	0.73756	0.30409	0.22982	0.45303	0.518	0.686	0.2747	0.30409	5.14E+00	5.62E-01	2.39E-05	1.59E-02	1.62E-01	6.44E-02	1.95E+00	2.07E+00	5.82E+00
4787	482363.09	3861377.25	0.74138	0.31717	0.21369	0.52868	0.502	0.756	0.2851	0.31717	5.17E+00	5.86E-01	2.22E-05	1.86E-02	1.57E-01	7.10E-02	2.02E+00	2.16E+00	5.86E+00
4788	482863.09	3861377.25	0.75923	0.32481	0.20747	0.58487	0.321	0.787	0.2859	0.32481	5.29E+00	6.00E-01	2.16E-05	2.06E-02	1.01E-01	7.40E-02	2.03E+00	2.21E+00	5.91E+00
4789	483363.09	3861377.25	0.76364	0.33486	0.25997	0.58958	0.485	0.815	0.2931	0.33486	5.32E+00	6.18E-01	2.71E-05	2.08E-02	1.52E-01	7.66E-02	2.08E+00	2.28E+00	5.99E+00
4790	483863.09	3861377.25	0.8036	0.33101	0.18833	0.64407	0.42	0.884	0.3083	0.33101	5.60E+00	6.11E-01	1.96E-05	2.27E-02	1.32E-01	8.31E-02	2.18E+00	2.25E+00	6.38E+00
4791	484363.09	3861377.25	0.84999	0.33643	0.14302	0.71432	0.244	0.956	0.323	0.33643	5.93E+00	6.21E-01	1.49E-05	2.51E-02	7.63E-02	8.98E-02	2.29E+00	2.29E+00	6.74E+00
4792	484863.09	3861377.25	0.83951	0.35521	0.1973	0.66805	0.18	1.025	0.3421	0.35521	5.85E+00	6.56E-01	2.05E-05	2.35E-02	5.63E-02	9.64E-02	2.42E+00	2.42E+00	6.69E+00
4793	485363.09	3861377.25	0.81145	0.3678	0.22026	0.71117	0.193	1.067	0.3574	0.3678	5.66E+00	6.79E-01	2.29E-05	2.50E-02	6.03E-02	1.00E-01	2.53E+00	2.50E+00	6.55E+00
4794	485863.09	3861377.25	0.93076	0.40079	0.30124	0.74707	0.124	1.161	0.3646	0.40079	6.49E+00	7.40E-01	3.14E-05	2.63E-02	3.89E-02	1.09E-01	2.58E+00	2.73E+00	7.26E+00
4795	486363.09	3861377.25	1.03223	0.42285	0.23701	0.80267	0.146	1.191	0.3936	0.42285	7.20E+00	7.81E-01	2.47E-05	2.83E-02	4.58E-02	1.12E-01	2.79E+00	2.88E+00	8.08E+00
4796	486863.09	3861377.25	1.20787	0.44822	0.19508	0.85382	0.114	1.349	0.4362	0.44822	8.42E+00	8.28E-01	2.03E-05	3.01E-02	3.57E-02	1.27E-01	3.09E+00	3.05E+00	9.48E+00
4797	487363.09	3861377.25	1.19408	0.46319	0.24034	1.05337	0.111	1.317	0.4477	0.46319	8.32E+00	8.55E-01	2.50E-05	3.71E-02	3.49E-02	1.24E-01	3.17E+00	3.15E+00	9.40E+00
4798	487863.09	3861377.25	1.11658	0.53808	0.24407	1.25176	0.092	1.451	0.4869	0.53808	7.78E+00	9.94E-01	2.54E-05	4.41E-02	2.90E-02	1.36E-01	3.45E+00	3.66E+00	8.78E+00
4799	488363.09	3861377.25	1.28619	0.59425	0.24138	1.51211	0.093	1.545	0.5275	0.59425	8.97E+00	1.10E+00	2.51E-05	5.32E-02	2.91E-02	1.45E-01	3.74E+00	4.04E+00	9.99E+00
4800	488863.09	3861377.25	1.14374	0.60192	0.32929	2.8157	0.12	1.462	0.5795	0.60192	7.97E+00	1.11E+00	3.43E-05	9.91E-02	3.75E-02	1.37E-01	4.11E+00	4.09E+00	9.37E+00
4801	489363.09	3861377.25	1.28647	0.63691	0.37807	5.03021	0.149	1.51	0.6239	0.63691	8.97E+00	1.18E+00	3.94E-05	1.77E-01	4.67E-02	1.42E-01	4.42E+00	4.33E+00	1.06E+01
4802	489863.09	3861377.25	1.42528	0.73315	0.17487	2.23932	0.236	1.347	0.6849	0.73315	9.94E+00	1.35E+00	1.82E-05	7.88E-02	7.40E-02	1.27E-01	4.85E+00	4.99E+00	1.14E+01
4803	490363.09	3861377.25	1.0583	0.82903	0.18207	1.71293	0.739	1.154	0.7605	0.82903	7.38E+00	1.53E+00	1.90E-05	6.03E-02	2.31E-01	1.08E-01	5.39E+00	5.64E+00	9.06E+00
4804	490863.09	3861377.25	0.95118	0.94303	0.19563	1.4523	0.565	1.146	0.8951	0.94303	6.63E+00	1.74E+00	2.04E-05	5.11E-02	1.77E-01	1.08E-01	6.34E+00	6.41E+00	8.64E+00
4805	491363.09	3861377.25	0.94358	1.04024	0.24078	1.28375	0.408	1.138	1.0742	1.04024	6.58E+00	1.92E+00	2.51E-05	4.52E-02	1.28E-01	1.07E-01	7.61E+00	7.07E+00	9.32E+00
4806	491863.09	3861377.25	0.91539	1.43946	0.22218	1.19621	0.393	1.19	1.4152	1.43946	6.38E+00	2.66E+00	2.31E-05	4.21E-02	1.23E-01	1.12E-01	1.00E+01	9.79E+00	9.56E+00
4807	492363.09	3861377.25	0.8728	2.22361	0.20506	1.18209	0.397	1.115	2.2963	2.22361	6.08E+00	4.11E+00	2.13E-05	4.16E-02	1.24E-01	1.05E-01	1.63E+01	1.51E+01	1.16E+01
4808	492863.09	3861377.25	0.77504	4.71492	0.2803	0.97055	0.46	0.994	4.552	4.71492	5.40E+00	8.71E+00	2.92E-05	3.42E-02	1.44E-01	9.34E-02	3.23E+01	3.21E+01	1.46E+01
4809	493363.09	3861377.25	0.79995	7.10291	0.30742	0.83252	0.489	1.066	6.8979	7.10291	5.58E+00	1.31E+01	3.20E-05	2.93E-02	1.53E-01	1.00E-01	4.89E+01	4.83E+01	1.96E+01
4810	493863.09	3861377.25	0.81051	3.89576	0.35105	0.7822	0.475	1.049	3.8024	3.89576	5.65E+00	7.20E+00	3.65E-05	2.75E-02	1.49E-01	9.86E-02	2.69E+01	2.65E+01	1.36E+01
4811	494363.09	3861377.25	0.80511	2.83744	0.50148	0.79896	0.401	1.029	2.7915	2.83744	5.61E+00	5.24E+00	5.22E-05	2.81E-02	1.25E-01	9.67E-02	1.98E+01	1.93E+01	1.16E+01
4812	494863.09	3861377.25	0.78561	2.20206	0.5747	0.88936	0.454	1.111	2.1881	2.20206	5.48E+00	4.07E+00	5.98E-05	3.13E-02	1.42E-01	1.04E-01	1.55E+01	1.50E+01	1.04E+01
4813	495363.09	3861377.25	0.80098	1.8723	0.5498	0.91585	0.544	1.156	1.822	1.8723	5.58E+00	3.46E+00	5.72E-05	3.22E-02	1.70E-01	1.09E-01	1.29E+01	1.27E+01	9.53E+00
4814	495863.09	3861377.25	0.74379	1.6666	0.60519	0.83241	0.454	1.127	1.6398	1.6666	5.19E+00	3.08E+00	6.30E-05	2.93E-02	1.42E-01	1.06E-01	1.16E+01	1.13E+01	8.83E+00
4815	496363.09	3861377.25	0.75053	1.28836	0.58819	0.75937	0.502	1.156	1.2998	1.28836	5.23E+00	2.38E+00	6.12E-05	2.67E-02	1.57E-01	1.09E-01	9.21E+00	8.76E+00	8.35E+00
4816	496863.09	3861377.25	0.72001	0.82303	0.60992	0.81267	0.526	1.134	0.838	0.82303	5.02E+00	1.52E+00	6.35E-05	2.86E-02	1.65E-01	1.07E-01	5.94E+00	5.60E+00	7.18E+00
4817	497363.09	3861377.25	0.69412	0.72379	0.593	0.78075	0.575	1.086	0.7302	0.72379	4.84E+00	1.34E+00	6.17E-05	2.75E-02	1.80E-01	1.02E-01	5.17E+00	4.92E+00	6.74E+00
4818	497863.09	3861377.25	0.70313	0.65477	0.60278	0.71664	0.646	1.031	0.6487	0.65477	4.90E+00	1.21E+00	6.28E-05	2.52E-02	2.02E-01	9.69E-02	4.60E+00	4.45E+00	6.58E+00
4819	498363.09	3861377.25	0.72527	0.5862	0.54937	0.74065	0.723	0.952	0.5811	0.5862	5.06E+00	1.08E+00	5.72E-05	2.61E-02	2.27E-01	8.95E-02	4.12E+00	3.99E+00	6.61E+00
4820	471363.09	3861877.25	0.33449	0.16146	0.14103	0.19374	0.221	0.243	0.1533	0.16146	2.33E+00	2.98E-01	1.47E-05	6.82E-03	6.92E-02	2.28E-02	1.09E+00	1.10E+00	2.72E+00
4821	471863.09	3861877.25	0.38622	0.16417	0.13955	0.20584	0.208	0.247	0.1572	0.16417	2.69E+00	3.03E-01	1.45E-05	7.24E-03	6.51E-02	2.32E-02	1.11E+00	1.12E+00	3.09E+00
4822	472363.09	3861877.25	0.41901	0.16813	0.13716	0.21061	0.217	0.25	0.1612	0.16813	2.92E+00	3.11E-01	1.43E-05	7.41E-03	6.81E-02	2.35E-02	1.14E+00	1.14E+00	3.33E+00
4823	472863.09	3861877.25	0.43786	0.17379	0.12646	0.21488	0.23	0.261	0.1658	0.17379	3.05E+00	3.21E-01	1.32E-05	7.56E-03	7.19E-02	2.45E-02	1.17E+00	1.18E+00	3.47E+00
4824	473363.09	3861877.25	0.44091	0.17734	0.13304	0.22323	0.232	0.267	0.169	0.17734	3.07E+00	3.28E-01	1.39E-05	7.86E-03	7.26E-02	2.51E-02	1.20E+00	1.21E+00	3.50E+00
4825	473863.09	3861877.25	0.44363	0.18057	0.12671	0.23219	0.24	0.295	0.1716	0.18057	3.09E+00	3.33E-01	1.32E-05	8.17E-03	7.53E-02	2.77E-02	1.22E+00	1.23E+00	3.53E+00
4826	474363.09	3861877.25	0.465	0.1855	0.12483	0.25093	0.245	0.318	0.1745	0.1855	3.24E+00	3.43E-01	1.30E-05	8.83E-03	7.68E-02	2.99E-02	1.24E+00	1.26E+00	3.67E+00
4827	474863.09	3861877.25	0.48913	0.18767	0.12618	0.27226	0.26	0.321	0.1764	0.18767	3.41E+00	3.47E-01	1.31E-05	9.58E-03	8.14E-02	3.02E-02	1.25E+00	1.28E+00	3.85E+00
4828	475363.09	3861877.25	0.49719	0.18965	0.1277	0.28342	0.22	0.326	0.1794	0.18965	3.47E+00	3.50E-01	1.33E-05	9.98E-03	6.90E-02	3.07E-02	1.27E+00	1.29E+00	3.91E+00
4829	475863.09	3861877.25	0.489	0.19208	0.13187	0.29175	0.228	0.343	0.1822	0.19208	3.41E+00	3.55E-01	1.37E-05	1.03E-02	7.16E-02	3.23E-02	1.29E+00	1.31E+00	3.86E+00
4830	476363.09	3861877.25	0.52734	0.19451	0.13661	0.29593	0.235	0.359	0.1866	0.19451	3.68E+00	3.59E-01	1.42E-05	1.04E-02	7.36E-02	3.37E-02	1.32E+00	1.32E+00	4.15E+00
4831	476863.09	3861877.25	0.57527	0.1965	0.13609	0.30866	0.247	0.378	0.1947	0.1965	4.01E+00	3.63E-01	1.42E-05	1.09E-02	7.73E-02	3.55E-02	1.38E+00	1.34E+00	4.54E+00
4832	477363.09	3861877.25	0.56371	0.20216	0.12901	0.32106	0.283	0.405	0.1961	0.20216	3.93E+00	3.73E-01	1.34E-05	1.13E-02	8.87E-02	3.81E-02	1.39E+00	1.37E+00	4.46E+00
4833	477863.09	3861877.25	0.5605	0.16528	0.10735	0.28977	0.24	0.353	0.1714	0.16528	3.91E+00	3.05E-01	1.12E-05	1.02E-02	7.50E-02	3.32E-02	1.21E+00	1.12E+00	4.42E+00
4834	478363.09	3861877.25	0.43887	0.1117	0.08535	0.19816	0.202	0.214	0.1183	0.1117	3.06E+00	2.06E-01	8.89E-06	6.97E-03	6.33E-02	2.01E-02	8.38E-01	7.60E-01	3.44E+00

4835	478863.09	3861877.25	0.58882	0.13748	0.16198	0.26851	0.275	0.293	0.1498	0.13748	4.11E+00	2.54E-01	1.69E-05	9.45E-03	8.61E-02	2.75E-02	1.06E+00	9.35E-01	4.61E+00
4836	479363.09	3861877.25	0.58278	0.12881	0.13707	0.25656	0.273	0.277	0.142	0.12881	4.06E+00	2.38E-01	1.43E-05	9.03E-03	8.55E-02	2.61E-02	1.01E+00	8.76E-01	4.55E+00
4837	479863.09	3861877.25	0.64162	0.22829	0.18906	0.38664	0.355	0.488	0.2162	0.22829	4.47E+00	4.22E-01	1.97E-05	1.36E-02	1.11E-01	4.58E-02	1.53E+00	1.55E+00	5.04E+00
4838	480363.09	3861877.25	0.63317	0.24962	0.21515	0.41647	0.403	0.523	0.2267	0.24962	4.41E+00	4.61E-01	2.24E-05	1.47E-02	1.26E-01	4.91E-02	1.61E+00	1.70E+00	4.97E+00
4839	480863.09	3861877.25	0.65963	0.25864	0.22935	0.42379	0.471	0.534	0.2314	0.25864	4.60E+00	4.78E-01	2.39E-05	1.49E-02	1.48E-01	5.02E-02	1.64E+00	1.76E+00	5.17E+00
4840	481363.09	3861877.25	0.66484	0.263	0.19859	0.44258	0.472	0.591	0.2393	0.263	4.64E+00	4.86E-01	2.07E-05	1.56E-02	1.48E-01	5.56E-02	1.70E+00	1.79E+00	5.25E+00
4841	481863.09	3861877.25	0.68309	0.28276	0.19056	0.46377	0.342	0.611	0.2576	0.28276	4.76E+00	5.22E-01	1.98E-05	1.63E-02	1.07E-01	5.75E-02	1.82E+00	1.92E+00	5.37E+00
4842	482363.09	3861877.25	0.67992	0.29415	0.21734	0.47164	0.266	0.691	0.2627	0.29415	4.74E+00	5.43E-01	2.26E-05	1.66E-02	8.32E-02	6.50E-02	1.86E+00	2.00E+00	5.31E+00
4843	482863.09	3861877.25	0.68852	0.29798	0.23383	0.52256	0.362	0.707	0.2755	0.29798	4.80E+00	5.50E-01	2.43E-05	1.84E-02	1.13E-01	6.65E-02	1.95E+00	2.03E+00	5.47E+00
4844	483363.09	3861877.25	0.69676	0.32053	0.2031	0.54213	0.304	0.757	0.2806	0.32053	4.86E+00	5.92E-01	2.11E-05	1.91E-02	9.54E-02	7.12E-02	1.99E+00	2.18E+00	5.44E+00
4845	483863.09	3861877.25	0.72299	0.31219	0.1835	0.56499	0.205	0.827	0.2971	0.31219	5.04E+00	5.77E-01	1.91E-05	1.99E-02	6.42E-02	7.77E-02	2.10E+00	2.12E+00	5.76E+00
4846	484363.09	3861877.25	0.71438	0.32271	0.2305	0.58638	0.141	0.892	0.3114	0.32271	4.98E+00	5.96E-01	2.40E-05	2.06E-02	4.43E-02	8.38E-02	2.21E+00	2.19E+00	5.74E+00
4847	484863.09	3861877.25	0.73502	0.33633	0.18704	0.65727	0.15	0.911	0.3282	0.33633	5.12E+00	6.21E-01	1.95E-05	2.31E-02	4.69E-02	8.56E-02	2.33E+00	2.29E+00	5.94E+00
4848	485363.09	3861877.25	0.76834	0.34639	0.19644	0.67867	0.122	0.904	0.3409	0.34639	5.36E+00	6.40E-01	2.05E-05	2.39E-02	3.82E-02	8.49E-02	2.42E+00	2.36E+00	6.20E+00
4849	485863.09	3861877.25	0.70533	0.36476	0.18785	0.71094	0.113	0.909	0.3456	0.36476	4.92E+00	6.74E-01	1.96E-05	2.50E-02	3.54E-02	8.55E-02	2.45E+00	2.48E+00	5.70E+00
4850	486363.09	3861877.25	0.73446	0.38735	0.14852	0.74486	0.11	0.883	0.3588	0.38735	5.12E+00	7.15E-01	1.55E-05	2.62E-02	3.46E-02	8.30E-02	2.54E+00	2.63E+00	5.89E+00
4851	486863.09	3861877.25	0.82347	0.42312	0.13927	0.80977	0.087	0.9	0.4001	0.42312	5.74E+00	7.81E-01	1.45E-05	2.85E-02	2.73E-02	8.46E-02	2.83E+00	2.88E+00	6.62E+00
4852	487363.09	3861877.25	0.84032	0.43632	0.16787	0.95463	0.099	0.921	0.4316	0.43632	5.86E+00	8.06E-01	1.75E-05	3.36E-02	3.10E-02	8.65E-02	3.06E+00	2.97E+00	6.91E+00
4853	487863.09	3861877.25	0.79846	0.46188	0.23498	1.16878	0.08	0.78	0.4389	0.46188	5.57E+00	8.53E-01	2.45E-05	4.11E-02	2.50E-02	7.34E-02	3.11E+00	3.14E+00	6.53E+00
4854	488363.09	3861877.25	0.78605	0.51129	0.14646	1.44782	0.075	0.826	0.4605	0.51129	5.48E+00	9.44E-01	1.52E-05	5.10E-02	2.36E-02	7.77E-02	3.26E+00	3.48E+00	6.36E+00
4855	488863.09	3861877.25	0.8571	0.56496	0.28399	2.62748	0.097	0.943	0.522	0.56496	5.98E+00	1.04E+00	2.96E-05	9.25E-02	3.04E-02	8.87E-02	3.70E+00	3.84E+00	7.09E+00
4856	489363.09	3861877.25	0.65024	0.58021	0.26773	4.68432	0.092	0.979	0.5648	0.58021	4.53E+00	1.07E+00	2.79E-05	1.65E-01	2.89E-02	9.20E-02	4.00E+00	3.95E+00	5.95E+00
4857	489863.09	3861877.25	0.9054	0.6257	0.17206	2.14215	0.141	1.186	0.6107	0.6257	6.31E+00	1.16E+00	1.79E-05	7.54E-02	4.41E-02	1.11E-01	4.33E+00	4.25E+00	7.77E+00
4858	490363.09	3861877.25	0.91239	0.70798	0.14021	1.55055	0.352	0.983	0.6508	0.70798	6.36E+00	1.31E+00	1.46E-05	5.46E-02	1.10E-01	9.24E-02	4.61E+00	4.81E+00	7.72E+00
4859	490863.09	3861877.25	0.80441	0.7801	0.18334	1.36613	0.483	0.94	0.7159	0.7801	5.61E+00	1.44E+00	1.91E-05	4.81E-02	1.51E-01	8.83E-02	5.07E+00	5.30E+00	7.10E+00
4860	491363.09	3861877.25	0.6987	0.87711	0.17033	1.21862	0.381	0.935	0.8746	0.87711	4.87E+00	1.62E+00	1.77E-05	4.29E-02	1.19E-01	8.79E-02	6.20E+00	5.96E+00	6.97E+00
4861	491863.09	3861877.25	0.68746	1.01713	0.19502	1.01098	0.322	0.899	1.0723	1.01713	4.79E+00	1.88E+00	2.03E-05	3.56E-02	1.01E-01	8.45E-02	7.60E+00	6.92E+00	7.57E+00
4862	492363.09	3861877.25	0.7135	1.24611	0.15862	0.97782	0.311	0.829	1.2953	1.24611	4.97E+00	2.30E+00	1.65E-05	3.44E-02	9.74E-02	7.79E-02	9.18E+00	8.47E+00	8.19E+00
4863	492863.09	3861877.25	0.74571	1.6113	0.15045	0.91324	0.288	0.854	1.5712	1.6113	5.20E+00	2.98E+00	1.57E-05	3.21E-02	9.03E-02	8.03E-02	1.11E+01	1.10E+01	8.55E+00
4864	493363.09	3861877.25	0.63626	1.92987	0.15657	0.77657	0.417	0.888	1.9976	1.92987	4.44E+00	3.56E+00	1.63E-05	2.73E-02	1.31E-01	8.35E-02	1.42E+01	1.31E+01	9.27E+00
4865	493863.09	3861877.25	0.62506	2.305	0.19924	0.75754	0.397	0.783	2.4062	2.305	4.36E+00	4.26E+00	2.07E-05	2.67E-02	1.24E-01	7.36E-02	1.70E+01	1.57E+01	1.02E+01
4866	494363.09	3861877.25	0.6755	3.09638	0.243	0.61434	0.393	0.722	3.1387	3.09638	4.71E+00	5.72E+00	2.53E-05	2.16E-02	1.23E-01	6.78E-02	2.22E+01	2.11E+01	1.18E+01
4867	494863.09	3861877.25	0.65368	7.71567	0.26106	0.61574	0.366	0.767	7.837	7.71567	4.56E+00	1.43E+01	2.72E-05	2.17E-02	1.15E-01	7.21E-02	5.55E+01	5.25E+01	2.21E+01
4868	495363.09	3861877.25	0.65231	6.28227	0.3814	0.61793	0.335	0.763	6.2494	6.28227	4.55E+00	1.16E+01	3.97E-05	2.17E-02	1.05E-01	7.17E-02	4.43E+01	4.27E+01	1.79E+01
4869	495863.09	3861877.25	0.64533	3.75367	0.40334	0.61965	0.377	0.805	3.7631	3.75367	4.50E+00	6.93E+00	4.20E-05	2.18E-02	1.18E-01	7.57E-02	2.67E+01	2.55E+01	1.28E+01
4870	496363.09	3861877.25	0.65597	2.7295	0.40587	0.71347	0.456	0.848	2.7395	2.7295	4.57E+00	5.04E+00	4.23E-05	2.51E-02	1.43E-01	7.97E-02	1.94E+01	1.86E+01	1.07E+01
4871	496863.09	3861877.25	0.68794	0.96618	0.40618	0.7377	0.391	0.951	0.9691	0.96618	4.80E+00	1.78E+00	4.23E-05	2.60E-02	1.23E-01	8.94E-02	6.87E+00	6.57E+00	7.11E+00
4872	497363.09	3861877.25	0.64434	1.47432	0.4733	0.68623	0.425	0.833	1.4794	1.47432	4.49E+00	2.72E+00	4.93E-05	2.42E-02	1.33E-01	7.83E-02	1.05E+01	1.00E+01	7.91E+00
4873	497863.09	3861877.25	0.62529	1.54153	0.42639	0.62314	0.416	0.816	1.5501	1.54153	4.36E+00	2.85E+00	4.44E-05	2.19E-02	1.30E-01	7.67E-02	1.10E+01	1.05E+01	7.94E+00
4874	498363.09	3861877.25	0.60078	1.40379	0.43824	0.61976	0.461	0.8	1.4129	1.40379	4.19E+00	2.59E+00	4.56E-05	2.18E-02	1.44E-01	7.52E-02	1.00E+01	9.55E+00	7.49E+00
4875	471363.09	3862377.25	0.39503	0.1622	0.11309	0.20657	0.207	0.235	0.155	0.1622	2.75E+00	3.00E-01	1.18E-05	7.27E-03	6.49E-02	2.21E-02	1.10E+00	1.10E+00	3.14E+00
4876	471863.09	3862377.25	0.40343	0.16486	0.10665	0.21654	0.204	0.239	0.1581	0.16486	2.81E+00	3.04E-01	1.11E-05	7.62E-03	6.39E-02	2.25E-02	1.12E+00	1.12E+00	3.21E+00
4877	472363.09	3862377.25	0.39349	0.16802	0.11217	0.21882	0.207	0.251	0.1608	0.16802	2.74E+00	3.10E-01	1.17E-05	7.70E-03	6.49E-02	2.36E-02	1.14E+00	1.14E+00	3.15E+00
4878	472863.09	3862377.25	0.3843	0.17144	0.11221	0.22348	0.22	0.261	0.164	0.17144	2.68E+00	3.17E-01	1.17E-05	7.87E-03	6.90E-02	2.45E-02	1.16E+00	1.17E+00	3.09E+00
4879	473363.09	3862377.25	0.40747	0.17644	0.11578	0.22955	0.231	0.289	0.1662	0.17644	2.84E+00	3.26E-01	1.21E-05	8.08E-03	7.25E-02	2.72E-02	1.18E+00	1.20E+00	3.25E+00
4880	473863.09	3862377.25	0.44754	0.18147	0.11702	0.23665	0.202	0.313	0.1687	0.18147	3.12E+00	3.35E-01	1.22E-05	8.33E-03	6.33E-02	2.94E-02	1.20E+00	1.23E+00	3.52E+00
4881	474363.09	3862377.25	0.4609	0.18632	0.11381	0.25042	0.211	0.318	0.1721	0.18632	3.21E+00	3.44E-01	1.18E-05	8.81E-03	6.60E-02	2.99E-02	1.22E+00	1.27E+00	3.61E+00
4882	474863.09	3862377.25	0.46708	0.18806	0.11616	0.28017	0.219	0.327	0.1775	0.18806	3.26E+00	3.47E-01	1.21E-05	9.86E-03	6.85E-02	3.08E-02	1.26E+00	1.28E+00	3.69E+00
4883	475363.09	3862377.25	0.46907	0.19152	0.11475	0.28965	0.208	0.345	0.1787	0.19152	3.27E+00	3.54E-01	1.19E-05	1.02E-02	6.50E-02	3.24E-02	1.27E+00	1.30E+00	3.70E+00
4884	475863.09	3862377.25	0.4932	0.19372	0.13224	0.29519	0.231	0.364	0.1809	0.19372	3.44E+00	3.58E-01	1.38E-05	1.04E-02	7.24E-02	3.43E-02	1.28E+00	1.32E+00	3.88E+00
4885	476363.09	3862377.25	0.51487	0.19754	0.15602	0.29762	0.259	0.376	0.1891	0.19754	3.59E+00	3.65E-01	1.62E-05	1.05E-02	8.11E-02	3.53E-02	1.34E+00	1.34E+00	4.08E+00
4886	476863.09	3862377.25	0.50521	0.20388	0.1727	0.31373	0.247	0.39	0.2012	0.20388	3.52E+00	3.77E-01	1.80E-05	1.10E-02	7.74E-02	3.67E-02	1.43E+00	1.39E+00	4.06E+00
4887	477363.09	3862377.25	0.50119	0.20523	0.18371	0.32329	0.207	0.388	0.2045	0.20523	3.49E+00	3.79E-01	1.91E-05	1.14E-02	6.48E-02	3.65E-02	1.45E+00	1.40E+00	4.04E+00
4888	477863.09	3862377.25	0.54033	0.17466	0.18537	0.31643	0.239	0.353	0.1804	0.17466	3.77E+00	3.23E-01	1.93E-05	1.11E-02	7.50E-02	3.32E-02	1.28E+00	1.19E+00	4.30E+00
4889	478363.09	3862377.25	0.5628	0.14628	0.1777	0.27224	0.284	0.305	0.1558	0.14628	3.92E+00	2.70E-01	1.85E-05	9.58E-03	8.89E-02	2.87E-02	1.10E+00	9.95E-01	4.43E+00
4890	478863.09	3862377.25	0.58295	0.14985	0.16887	0.28813	0.25	0.322	0.1582	0.14985	4.06E+00	2.77E-01	1.76E-05	1.01E-02	7.83E-02	3.03E-02	1.12E+00	1.02E+00	4.56E+00
4891	479363.09	3862377.25	0.60665	0.16432	0.14988	0.3195	0.263	0.371	0.1705	0.16432	4.23E+00	3.03E-01	1.56E-05	1.12E-02	8.23E-02	3.48E-02	1.21E+00	1.12E+00	4.75E+00
4892	479863.09	3862377.25	0.59957	0.22665	0.16501	0.36856	0.371	0.445	0.2109	0.22665	4.18E+00	4.19E-01	1.72E-05	1.30E-02	1.16E-01	4.18E-02	1.49E+00	1.54E+00	4.72E+00
4893	480363.09	3862377.25	0.59319	0.2392	0.19744	0.36706	0.4	0.477	0.2173	0.2392	4.14E+00	4.42E-01	2.06E-05	1.29E-02	1.25E-01	4.48E-02	1.54E+00	1.63E+00	4.67E+00

4894	480863.09	3862377.25	0.59244	0.2435	0.18122	0.36998	0.44	0.527	0.2228	0.2435	4.13E+00	4.50E-01	1.89E-05	1.30E-02	1.38E-01	4.95E-02	1.58E+00	1.66E+00	4.70E+00
4895	481363.09	3862377.25	0.62881	0.24764	0.20983	0.3712	0.299	0.542	0.2308	0.24764	4.38E+00	4.57E-01	2.18E-05	1.31E-02	9.36E-02	5.10E-02	1.64E+00	1.68E+00	4.95E+00
4896	481863.09	3862377.25	0.62761	0.25933	0.1762	0.39247	0.229	0.609	0.2404	0.25933	4.38E+00	4.79E-01	1.83E-05	1.38E-02	7.17E-02	5.72E-02	1.70E+00	1.76E+00	4.94E+00
4897	482363.09	3862377.25	0.62942	0.27752	0.21648	0.4112	0.302	0.64	0.25	0.27752	4.39E+00	5.13E-01	2.25E-05	1.45E-02	9.47E-02	6.01E-02	1.77E+00	1.89E+00	4.95E+00
4898	482863.09	3862377.25	0.61633	0.27987	0.19044	0.44239	0.24	0.647	0.2613	0.27987	4.30E+00	5.17E-01	1.98E-05	1.56E-02	7.52E-02	6.08E-02	1.85E+00	1.90E+00	4.91E+00
4899	483363.09	3862377.25	0.6305	0.29363	0.21393	0.46386	0.172	0.694	0.2699	0.29363	4.40E+00	5.42E-01	2.23E-05	1.63E-02	5.38E-02	6.53E-02	1.91E+00	2.00E+00	4.99E+00
4900	483863.09	3862377.25	0.68076	0.29557	0.20878	0.50734	0.129	0.703	0.2771	0.29557	4.75E+00	5.46E-01	2.17E-05	1.79E-02	4.05E-02	6.61E-02	1.96E+00	2.01E+00	5.37E+00
4901	484363.09	3862377.25	0.63169	0.30475	0.17302	0.54944	0.134	0.721	0.2969	0.30475	4.40E+00	5.63E-01	1.80E-05	1.93E-02	4.18E-02	6.78E-02	2.10E+00	2.07E+00	5.13E+00
4902	484863.09	3862377.25	0.60214	0.31445	0.15885	0.62192	0.13	0.752	0.3069	0.31445	4.20E+00	5.81E-01	1.65E-05	2.19E-02	4.07E-02	7.06E-02	2.17E+00	2.14E+00	4.95E+00
4903	485363.09	3862377.25	0.55614	0.31987	0.15209	0.59901	0.094	0.766	0.3176	0.31987	3.88E+00	5.91E-01	1.58E-05	2.11E-02	2.93E-02	7.20E-02	2.25E+00	2.18E+00	4.67E+00
4904	485863.09	3862377.25	0.52939	0.32609	0.10211	0.63001	0.098	0.679	0.3246	0.32609	3.69E+00	6.02E-01	1.06E-05	2.22E-02	3.06E-02	6.38E-02	2.30E+00	2.22E+00	4.49E+00
4905	486363.09	3862377.25	0.55824	0.35311	0.10335	0.67123	0.092	0.662	0.3351	0.35311	3.89E+00	6.52E-01	1.08E-05	2.36E-02	2.89E-02	6.22E-02	2.37E+00	2.40E+00	4.63E+00
4906	486863.09	3862377.25	0.64552	0.38032	0.10467	0.78853	0.075	0.679	0.3613	0.38032	4.50E+00	7.02E-01	1.09E-05	2.78E-02	2.34E-02	6.38E-02	2.56E+00	2.59E+00	5.29E+00
4907	487363.09	3862377.25	0.6282	0.40383	0.13459	0.90386	0.086	0.723	0.3956	0.40383	4.38E+00	7.46E-01	1.40E-05	3.18E-02	2.69E-02	6.79E-02	2.80E+00	2.75E+00	5.31E+00
4908	487863.09	3862377.25	0.59064	0.4154	0.13674	1.10057	0.071	0.582	0.4034	0.4154	4.12E+00	7.67E-01	1.42E-05	3.87E-02	2.23E-02	5.47E-02	2.86E+00	2.82E+00	5.03E+00
4909	488363.09	3862377.25	0.59407	0.4532	0.2173	1.4076	0.063	0.628	0.413	0.4532	4.14E+00	8.37E-01	2.26E-05	4.95E-02	1.98E-02	5.90E-02	2.93E+00	3.08E+00	4.95E+00
4910	488863.09	3862377.25	0.663	0.51569	0.17132	2.37062	0.067	0.734	0.4464	0.51569	4.62E+00	9.52E-01	1.78E-05	8.34E-02	2.09E-02	6.90E-02	3.16E+00	3.51E+00	5.40E+00
4911	489363.09	3862377.25	0.59458	0.53218	0.133	4.79615	0.074	0.854	0.5089	0.53218	4.15E+00	9.83E-01	1.38E-05	1.69E-01	2.32E-02	8.03E-02	3.61E+00	3.62E+00	5.39E+00
4912	489863.09	3862377.25	0.56107	0.55474	0.14867	2.15477	0.092	0.828	0.5552	0.55474	3.91E+00	1.02E+00	1.55E-05	7.58E-02	2.88E-02	7.79E-02	3.93E+00	3.77E+00	5.28E+00
4913	490363.09	3862377.25	0.67671	0.59989	0.1187	1.50398	0.138	0.942	0.6026	0.59989	4.72E+00	1.11E+00	1.24E-05	5.29E-02	4.33E-02	8.85E-02	4.27E+00	4.08E+00	6.20E+00
4914	490863.09	3862377.25	0.64313	0.66967	0.14669	1.25195	0.407	0.903	0.6571	0.66967	4.48E+00	1.24E+00	1.53E-05	4.41E-02	1.27E-01	8.48E-02	4.66E+00	4.55E+00	6.08E+00
4915	491363.09	3862377.25	0.62029	0.76455	0.14821	1.14093	0.289	0.733	0.7087	0.76455	4.32E+00	1.41E+00	1.54E-05	4.02E-02	9.04E-02	6.89E-02	5.02E+00	5.20E+00	5.76E+00
4916	491863.09	3862377.25	0.56156	0.83439	0.1557	0.98706	0.244	0.702	0.8148	0.83439	3.92E+00	1.54E+00	1.62E-05	3.47E-02	7.66E-02	6.60E-02	5.77E+00	5.67E+00	5.73E+00
4917	492363.09	3862377.25	0.52117	0.92172	0.16659	0.88694	0.257	0.678	0.9331	0.92172	3.63E+00	1.70E+00	1.73E-05	3.12E-02	8.04E-02	6.37E-02	6.61E+00	6.27E+00	5.85E+00
4918	492863.09	3862377.25	0.56924	1.04762	0.12064	0.85732	0.25	0.651	1.0878	1.04762	3.97E+00	1.93E+00	1.26E-05	3.02E-02	7.85E-02	6.12E-02	7.71E+00	7.12E+00	6.66E+00
4919	493363.09	3862377.25	0.59214	1.18978	0.11344	0.73801	0.232	0.683	1.2214	1.18978	4.13E+00	2.20E+00	1.18E-05	2.60E-02	7.26E-02	6.42E-02	8.65E+00	8.09E+00	7.05E+00
4920	493863.09	3862377.25	0.52179	1.31977	0.11595	0.68139	0.328	0.658	1.3568	1.31977	3.64E+00	2.44E+00	1.21E-05	2.40E-02	1.03E-01	6.19E-02	9.61E+00	8.97E+00	6.90E+00
4921	494363.09	3862377.25	0.48894	1.43279	0.14412	0.58985	0.356	0.624	1.4692	1.43279	3.41E+00	2.65E+00	1.50E-05	2.08E-02	1.12E-01	5.87E-02	1.04E+01	9.74E+00	6.91E+00
4922	494863.09	3862377.25	0.51624	1.65636	0.16179	0.53433	0.373	0.573	1.6794	1.65636	3.60E+00	3.06E+00	1.68E-05	1.88E-02	1.17E-01	5.39E-02	1.19E+01	1.13E+01	7.48E+00
4923	495363.09	3862377.25	0.54849	1.90805	0.18781	0.49339	0.3	0.56	1.8982	1.90805	3.82E+00	3.52E+00	1.96E-05	1.74E-02	9.41E-02	5.26E-02	1.34E+01	1.30E+01	7.99E+00
4924	495863.09	3862377.25	0.52971	2.60725	0.22778	0.48747	0.322	0.597	2.6548	2.60725	3.69E+00	4.82E+00	2.37E-05	1.72E-02	1.01E-01	5.61E-02	1.88E+01	1.77E+01	9.76E+00
4925	496363.09	3862377.25	0.52605	4.07476	0.27429	0.46707	0.29	0.595	4.0686	4.07476	3.67E+00	7.53E+00	2.86E-05	1.64E-02	9.10E-02	5.59E-02	2.88E+01	2.77E+01	1.25E+01
4926	496863.09	3862377.25	0.54804	16.56912	0.30643	0.47956	0.321	0.593	16.241	16.56912	3.82E+00	3.06E+01	3.19E-05	1.69E-02	1.01E-01	5.57E-02	1.15E+02	1.13E+02	3.70E+01
4927	497363.09	3862377.25	0.54343	7.18294	0.31991	0.47542	0.368	0.627	7.2434	7.18294	3.79E+00	1.33E+01	3.33E-05	1.67E-02	1.15E-01	5.89E-02	5.13E+01	4.88E+01	1.97E+01
4928	497863.09	3862377.25	0.53656	19.48243	0.31127	0.53994	0.32	0.687	20.134	19.48243	3.74E+00	3.60E+01	3.24E-05	1.90E-02	1.00E-01	6.45E-02	1.43E+02	1.32E+02	5.01E+01
4929	498363.09	3862377.25	0.52935	6.42197	0.30113	0.55228	0.362	0.636	6.4127	6.42197	3.69E+00	1.19E+01	3.13E-05	1.94E-02	1.13E-01	5.98E-02	4.54E+01	4.37E+01	1.75E+01
4930	471363.09	3862877.25	0.35871	0.1565	0.10701	0.20588	0.204	0.235	0.1521	0.1565	2.50E+00	2.89E-01	1.11E-05	7.25E-03	6.40E-02	2.21E-02	1.08E+00	1.06E+00	2.90E+00
4931	471863.09	3862877.25	0.3605	0.15661	0.1058	0.20706	0.203	0.234	0.1532	0.15661	2.51E+00	2.89E-01	1.10E-05	7.29E-03	6.35E-02	2.20E-02	1.09E+00	1.06E+00	2.92E+00
4932	472363.09	3862877.25	0.35871	0.15804	0.1102	0.21014	0.189	0.256	0.1549	0.15804	2.50E+00	2.92E-01	1.15E-05	7.40E-03	5.91E-02	2.40E-02	1.10E+00	1.07E+00	2.91E+00
4933	472863.09	3862877.25	0.36402	0.16382	0.10695	0.21827	0.178	0.273	0.1592	0.16382	2.54E+00	3.03E-01	1.11E-05	7.68E-03	5.57E-02	2.56E-02	1.13E+00	1.11E+00	2.94E+00
4934	473363.09	3862877.25	0.42121	0.16473	0.11082	0.23132	0.195	0.297	0.1589	0.16473	2.94E+00	3.04E-01	1.15E-05	8.14E-03	6.10E-02	2.79E-02	1.13E+00	1.12E+00	3.34E+00
4935	473863.09	3862877.25	0.44427	0.16505	0.11198	0.24137	0.194	0.322	0.158	0.16505	3.10E+00	3.05E-01	1.17E-05	8.50E-03	6.09E-02	3.03E-02	1.12E+00	1.12E+00	3.50E+00
4936	474363.09	3862877.25	0.43731	0.166	0.1297	0.25946	0.188	0.338	0.1589	0.166	3.05E+00	3.07E-01	1.35E-05	9.13E-03	5.90E-02	3.17E-02	1.13E+00	1.13E+00	3.45E+00
4937	474863.09	3862877.25	0.45604	0.16995	0.1438	0.26851	0.217	0.359	0.1604	0.16995	3.18E+00	3.14E-01	1.50E-05	9.45E-03	6.81E-02	3.38E-02	1.14E+00	1.16E+00	3.59E+00
4938	475363.09	3862877.25	0.47386	0.172	0.16017	0.2777	0.233	0.37	0.1638	0.172	3.30E+00	3.18E-01	1.67E-05	9.77E-03	7.30E-02	3.48E-02	1.16E+00	1.17E+00	3.73E+00
4939	475863.09	3862877.25	0.48212	0.17897	0.1862	0.28996	0.216	0.366	0.1663	0.17897	3.36E+00	3.31E-01	1.94E-05	1.02E-02	6.78E-02	3.44E-02	1.18E+00	1.22E+00	3.77E+00
4940	476363.09	3862877.25	0.46797	0.18536	0.17901	0.2984	0.209	0.353	0.1738	0.18536	3.26E+00	3.42E-01	1.86E-05	1.05E-02	6.54E-02	3.32E-02	1.23E+00	1.26E+00	3.69E+00
4941	476863.09	3862877.25	0.46311	0.19969	0.18442	0.29338	0.274	0.361	0.1873	0.19969	3.23E+00	3.69E-01	1.92E-05	1.03E-02	8.59E-02	3.40E-02	1.33E+00	1.36E+00	3.70E+00
4942	477363.09	3862877.25	0.47726	0.20352	0.18444	0.29546	0.327	0.365	0.1868	0.20352	3.33E+00	3.76E-01	1.92E-05	1.04E-02	1.03E-01	3.43E-02	1.32E+00	1.38E+00	3.79E+00
4943	477863.09	3862877.25	0.50604	0.19432	0.15633	0.29504	0.238	0.369	0.1896	0.19432	3.53E+00	3.59E-01	1.63E-05	1.04E-02	7.47E-02	3.47E-02	1.34E+00	1.32E+00	4.03E+00
4944	478363.09	3862877.25	0.55423	0.16567	0.14266	0.27824	0.225	0.362	0.1673	0.16567	3.86E+00	3.06E-01	1.49E-05	9.79E-03	7.05E-02	3.41E-02	1.19E+00	1.13E+00	4.34E+00
4945	478863.09	3862877.25	0.57314	0.16726	0.13991	0.28557	0.256	0.374	0.1675	0.16726	4.00E+00	3.09E-01	1.46E-05	1.01E-02	8.03E-02	3.52E-02	1.19E+00	1.14E+00	4.48E+00
4946	479363.09	3862877.25	0.57331	0.17123	0.11489	0.29911	0.369	0.384	0.1688	0.17123	4.00E+00	3.16E-01	1.20E-05	1.05E-02	1.16E-01	3.61E-02	1.20E+00	1.16E+00	4.51E+00
4947	479863.09	3862877.25	0.54744	0.22247	0.17112	0.31207	0.36	0.438	0.2028	0.22247	3.82E+00	4.11E-01	1.78E-05	1.10E-02	1.13E-01	4.12E-02	1.44E+00	1.51E+00	4.32E+00
4948	480363.09	3862877.25	0.5275	0.22603	0.20159	0.31647	0.295	0.485	0.2053	0.22603	3.68E+00	4.17E-01	2.10E-05	1.11E-02	9.25E-02	4.56E-02	1.45E+00	1.54E+00	4.16E+00
4949	480863.09	3862877.25	0.55648	0.22639	0.18554	0.34242	0.261	0.49	0.212	0.22639	3.88E+00	4.18E-01	1.93E-05	1.21E-02	8.16E-02	4.60E-02	1.50E+00	1.54E+00	4.40E+00
4950	481363.09	3862877.25	0.58186	0.22993	0.15845	0.3542	0.214	0.516	0.2196	0.22993	4.06E+00	4.25E-01	1.65E-05	1.25E-02	6.72E-02	4.85E-02	1.56E+00	1.56E+00	4.60E+00
4951	481863.09	3862877.25	0.57402	0.24769	0.1843	0.39541	0.255	0.528	0.2331	0.24769	4.00E+00	4.57E-01	1.92E-05	1.39E-02	7.99E-02	4.96E-02	1.65E+00	1.68E+00	4.57E+00
4952	482363.09	3862877.25	0.57273	0.26112	0.17874	0.40117	0.204	0.522	0.2366	0.26112	3.99E+00	4.82E-01	1.86E-05	1.41E-02	6.39E-02	4.90E-02	1.68E+00	1.78E+00	4.50E+00

4953	482863.09	3862877.25	0.54979	0.27141	0.19198	0.44911	0.145	0.522	0.2515	0.27141	3.83E+00	5.01E-01	2.00E-05	1.58E-02	4.54E-02	4.91E-02	1.78E+00	1.85E+00	4.38E+00
4954	483363.09	3862877.25	0.56511	0.282	0.1622	0.46394	0.122	0.609	0.2559	0.282	3.94E+00	5.21E-01	1.69E-05	1.63E-02	3.84E-02	5.72E-02	1.81E+00	1.92E+00	4.47E+00
4955	483863.09	3862877.25	0.55172	0.28218	0.13579	0.46682	0.121	0.624	0.2633	0.28218	3.85E+00	5.21E-01	1.41E-05	1.64E-02	3.79E-02	5.86E-02	1.87E+00	1.92E+00	4.43E+00
4956	484363.09	3862877.25	0.53672	0.28345	0.15053	0.53554	0.115	0.612	0.2786	0.28345	3.74E+00	5.24E-01	1.57E-05	1.88E-02	3.61E-02	5.75E-02	1.97E+00	1.93E+00	4.42E+00
4957	484863.09	3862877.25	0.50364	0.28435	0.10882	0.48366	0.086	0.58	0.2816	0.28435	3.51E+00	5.25E-01	1.13E-05	1.70E-02	2.70E-02	5.45E-02	1.99E+00	1.93E+00	4.20E+00
4958	485363.09	3862877.25	0.47321	0.28993	0.0885	0.49795	0.087	0.562	0.2881	0.28993	3.30E+00	5.35E-01	9.21E-06	1.75E-02	2.71E-02	5.28E-02	2.04E+00	1.97E+00	4.00E+00
4959	485863.09	3862877.25	0.43713	0.30111	0.08815	0.56032	0.085	0.541	0.3007	0.30111	3.05E+00	5.56E-01	9.18E-06	1.97E-02	2.68E-02	5.09E-02	2.13E+00	2.05E+00	3.78E+00
4960	486363.09	3862877.25	0.40744	0.3203	0.10156	0.63599	0.08	0.583	0.3099	0.3203	2.84E+00	5.92E-01	1.06E-05	2.24E-02	2.50E-02	5.48E-02	2.20E+00	2.18E+00	3.55E+00
4961	486863.09	3862877.25	0.48725	0.35242	0.09803	0.72264	0.063	0.565	0.3319	0.35242	3.40E+00	6.51E-01	1.02E-05	2.54E-02	1.99E-02	5.31E-02	2.35E+00	2.40E+00	4.10E+00
4962	487363.09	3862877.25	0.41885	0.3736	0.10604	0.80053	0.078	0.515	0.3489	0.3736	2.92E+00	6.90E-01	1.10E-05	2.82E-02	2.45E-02	4.84E-02	2.47E+00	2.54E+00	3.64E+00
4963	487863.09	3862877.25	0.37686	0.39285	0.11629	0.97087	0.064	0.504	0.3622	0.39285	2.63E+00	7.26E-01	1.21E-05	3.42E-02	2.01E-02	4.74E-02	2.57E+00	2.67E+00	3.35E+00
4964	488363.09	3862877.25	0.48573	0.40535	0.10379	1.37589	0.053	0.564	0.3875	0.40535	3.39E+00	7.49E-01	1.08E-05	4.84E-02	1.66E-02	5.30E-02	2.75E+00	2.76E+00	4.24E+00
4965	488863.09	3862877.25	0.53725	0.45531	0.11549	2.37678	0.054	0.543	0.4092	0.45531	3.75E+00	8.41E-01	1.20E-05	8.37E-02	1.70E-02	5.11E-02	2.90E+00	3.10E+00	4.54E+00
4966	489363.09	3862877.25	0.48441	0.49119	0.11435	4.91215	0.05	0.711	0.4434	0.49119	3.38E+00	9.07E-01	1.19E-05	1.73E-01	1.56E-02	6.69E-02	3.14E+00	3.34E+00	4.34E+00
4967	489863.09	3862877.25	0.48282	0.50217	0.13047	2.11505	0.067	0.775	0.488	0.50217	3.37E+00	9.27E-01	1.36E-05	7.44E-02	2.11E-02	7.28E-02	3.46E+00	3.41E+00	4.50E+00
4968	490363.09	3862877.25	0.50798	0.51253	0.10134	1.48478	0.099	0.702	0.5228	0.51253	3.54E+00	9.47E-01	1.06E-05	5.23E-02	3.09E-02	6.60E-02	3.70E+00	3.49E+00	4.86E+00
4969	490863.09	3862877.25	0.54894	0.57193	0.11398	1.22001	0.208	0.683	0.5717	0.57193	3.83E+00	1.06E+00	1.19E-05	4.29E-02	6.51E-02	6.42E-02	4.05E+00	3.89E+00	5.22E+00
4970	491363.09	3862877.25	0.54993	0.63157	0.11985	1.05519	0.405	0.69	0.6142	0.63157	3.83E+00	1.17E+00	1.25E-05	3.71E-02	1.27E-01	6.48E-02	4.35E+00	4.29E+00	5.29E+00
4971	491863.09	3862877.25	0.46694	0.68492	0.1347	0.90987	0.297	0.605	0.6607	0.68492	3.26E+00	1.26E+00	1.40E-05	3.20E-02	9.31E-02	5.68E-02	4.68E+00	4.66E+00	4.73E+00
4972	492363.09	3862877.25	0.4734	0.73138	0.12092	0.83403	0.224	0.612	0.7205	0.73138	3.30E+00	1.35E+00	1.26E-05	2.94E-02	7.03E-02	5.75E-02	5.11E+00	4.97E+00	4.94E+00
4973	492863.09	3862877.25	0.39306	0.81604	0.14656	0.73369	0.225	0.615	0.8128	0.81604	2.74E+00	1.51E+00	1.53E-05	2.58E-02	7.06E-02	5.78E-02	5.76E+00	5.55E+00	4.61E+00
4974	493363.09	3862877.25	0.42835	0.92519	0.09236	0.66532	0.224	0.558	0.9471	0.92519	2.99E+00	1.71E+00	9.62E-06	2.34E-02	7.02E-02	5.24E-02	6.71E+00	6.29E+00	5.26E+00
4975	493863.09	3862877.25	0.47817	0.98579	0.09805	0.62556	0.209	0.55	0.9703	0.98579	3.33E+00	1.82E+00	1.02E-05	2.20E-02	6.56E-02	5.17E-02	6.88E+00	6.70E+00	5.47E+00
4976	494363.09	3862877.25	0.45608	1.04073	0.10081	0.56706	0.266	0.527	1.0711	1.04073	3.18E+00	1.92E+00	1.05E-05	2.00E-02	8.33E-02	4.96E-02	7.59E+00	7.08E+00	5.77E+00
4977	494863.09	3862877.25	0.39323	1.08814	0.10848	0.48963	0.331	0.502	1.1256	1.08814	2.74E+00	2.01E+00	1.13E-05	1.72E-02	1.04E-01	4.72E-02	7.98E+00	7.40E+00	5.50E+00
4978	495363.09	3862877.25	0.41028	1.16256	0.12634	0.46694	0.309	0.473	1.1705	1.16256	2.86E+00	2.15E+00	1.32E-05	1.64E-02	9.69E-02	4.45E-02	8.29E+00	7.91E+00	5.55E+00
4979	495863.09	3862877.25	0.39654	1.24845	0.12093	0.42301	0.244	0.441	1.2774	1.24845	2.76E+00	2.31E+00	1.26E-05	1.49E-02	7.65E-02	4.15E-02	9.05E+00	8.49E+00	5.77E+00
4980	496363.09	3862877.25	0.41656	1.34305	0.1529	0.42401	0.263	0.474	1.3519	1.34305	2.90E+00	2.48E+00	1.59E-05	1.49E-02	8.25E-02	4.46E-02	9.58E+00	9.13E+00	5.97E+00
4981	496863.09	3862877.25	0.44333	1.50448	0.1984	0.39989	0.26	0.483	1.5131	1.50448	3.09E+00	2.78E+00	2.07E-05	1.41E-02	8.13E-02	4.54E-02	1.07E+01	1.02E+01	6.50E+00
4982	497363.09	3862877.25	0.44527	1.70222	0.19592	0.40697	0.263	0.474	1.7091	1.70222	3.10E+00	3.14E+00	2.04E-05	1.43E-02	8.23E-02	4.45E-02	1.21E+01	1.16E+01	6.92E+00
4983	497863.09	3862877.25	0.47022	1.83961	0.24494	0.40564	0.249	0.463	1.8557	1.83961	3.28E+00	3.40E+00	2.55E-05	1.43E-02	7.81E-02	4.35E-02	1.31E+01	1.25E+01	7.45E+00
4984	498363.09	3862877.25	0.49063	1.88667	0.25268	0.40491	0.296	0.487	1.9082	1.88667	3.42E+00	3.48E+00	2.63E-05	1.43E-02	9.26E-02	4.58E-02	1.35E+01	1.28E+01	7.75E+00
4985	471363.09	3863377.25	0.34031	0.1529	0.10292	0.19787	0.166	0.235	0.1492	0.1529	2.37E+00	2.82E-01	1.07E-05	6.96E-03	5.20E-02	2.21E-02	1.06E+00	1.04E+00	2.75E+00
4986	471863.09	3863377.25	0.35111	0.15399	0.10968	0.20221	0.171	0.255	0.151	0.15399	2.45E+00	2.84E-01	1.14E-05	7.12E-03	5.37E-02	2.40E-02	1.07E+00	1.05E+00	2.84E+00
4987	472363.09	3863377.25	0.36434	0.15562	0.11046	0.20708	0.185	0.267	0.1531	0.15562	2.54E+00	2.87E-01	1.15E-05	7.29E-03	5.81E-02	2.51E-02	1.08E+00	1.06E+00	2.94E+00
4988	472863.09	3863377.25	0.41744	0.15756	0.11009	0.21562	0.175	0.284	0.1543	0.15756	2.91E+00	2.91E-01	1.15E-05	7.59E-03	5.48E-02	2.67E-02	1.09E+00	1.07E+00	3.31E+00
4989	473363.09	3863377.25	0.42631	0.15854	0.1231	0.22832	0.172	0.303	0.1543	0.15854	2.97E+00	2.93E-01	1.28E-05	8.04E-03	5.40E-02	2.85E-02	1.09E+00	1.08E+00	3.37E+00
4990	473863.09	3863377.25	0.43225	0.1594	0.15004	0.24707	0.205	0.317	0.1544	0.1594	3.01E+00	2.94E-01	1.56E-05	8.70E-03	6.44E-02	2.98E-02	1.09E+00	1.08E+00	3.42E+00
4991	474363.09	3863377.25	0.43811	0.1599	0.14061	0.26323	0.205	0.334	0.1546	0.1599	3.05E+00	2.95E-01	1.46E-05	9.26E-03	6.41E-02	3.14E-02	1.10E+00	1.09E+00	3.46E+00
4992	474863.09	3863377.25	0.4356	0.16148	0.15991	0.2605	0.188	0.331	0.1557	0.16148	3.04E+00	2.98E-01	1.66E-05	9.17E-03	5.88E-02	3.11E-02	1.10E+00	1.10E+00	3.44E+00
4993	475363.09	3863377.25	0.41749	0.16487	0.15931	0.26663	0.17	0.331	0.1579	0.16487	2.91E+00	3.05E-01	1.66E-05	9.38E-03	5.31E-02	3.11E-02	1.12E+00	1.12E+00	3.31E+00
4994	475863.09	3863377.25	0.41463	0.17262	0.14695	0.25828	0.221	0.334	0.1595	0.17262	2.89E+00	3.19E-01	1.53E-05	9.09E-03	6.94E-02	3.14E-02	1.13E+00	1.17E+00	3.28E+00
4995	476363.09	3863377.25	0.41247	0.17734	0.13709	0.2629	0.292	0.347	0.1646	0.17734	2.88E+00	3.28E-01	1.43E-05	9.25E-03	9.14E-02	3.26E-02	1.17E+00	1.21E+00	3.30E+00
4996	476863.09	3863377.25	0.43057	0.18097	0.15049	0.26612	0.236	0.353	0.1677	0.18097	3.00E+00	3.34E-01	1.57E-05	9.37E-03	7.41E-02	3.32E-02	1.19E+00	1.23E+00	3.41E+00
4997	477363.09	3863377.25	0.45149	0.18646	0.14703	0.27382	0.245	0.371	0.171	0.18646	3.15E+00	3.44E-01	1.53E-05	9.64E-03	7.67E-02	3.48E-02	1.21E+00	1.27E+00	3.56E+00
4998	477863.09	3863377.25	0.47432	0.19775	0.14753	0.28251	0.268	0.374	0.1813	0.19775	3.31E+00	3.65E-01	1.54E-05	9.94E-03	8.41E-02	3.52E-02	1.28E+00	1.34E+00	3.74E+00
4999	478363.09	3863377.25	0.52378	0.18734	0.13963	0.26632	0.283	0.366	0.1826	0.18734	3.65E+00	3.46E-01	1.45E-05	9.37E-03	8.87E-02	3.44E-02	1.29E+00	1.27E+00	4.15E+00
5000	478863.09	3863377.25	0.52744	0.1953	0.11171	0.28018	0.345	0.379	0.1853	0.1953	3.68E+00	3.61E-01	1.16E-05	9.86E-03	1.08E-01	3.56E-02	1.31E+00	1.33E+00	4.18E+00
5001	479363.09	3863377.25	0.51833	0.20438	0.1506	0.30064	0.336	0.418	0.1886	0.20438	3.61E+00	3.77E-01	1.57E-05	1.06E-02	1.05E-01	3.93E-02	1.34E+00	1.39E+00	4.09E+00
5002	479863.09	3863377.25	0.48807	0.21315	0.16672	0.30684	0.252	0.427	0.1996	0.21315	3.40E+00	3.94E-01	1.74E-05	1.08E-02	7.91E-02	4.02E-02	1.41E+00	1.45E+00	3.89E+00
5003	480363.09	3863377.25	0.47636	0.21723	0.19195	0.32082	0.216	0.428	0.2004	0.21723	3.32E+00	4.01E-01	2.00E-05	1.13E-02	6.78E-02	4.03E-02	1.42E+00	1.48E+00	3.78E+00
5004	480863.09	3863377.25	0.53487	0.21726	0.15721	0.35048	0.183	0.42	0.2054	0.21726	3.73E+00	4.01E-01	1.64E-05	1.23E-02	5.73E-02	3.95E-02	1.46E+00	1.48E+00	4.22E+00
5005	481363.09	3863377.25	0.51405	0.22093	0.14095	0.36607	0.226	0.421	0.2086	0.22093	3.58E+00	4.08E-01	1.47E-05	1.29E-02	7.08E-02	3.96E-02	1.48E+00	1.50E+00	4.09E+00
5006	481863.09	3863377.25	0.48002	0.23702	0.21384	0.38499	0.175	0.435	0.222	0.23702	3.35E+00	4.38E-01	2.23E-05	1.36E-02	5.48E-02	4.08E-02	1.57E+00	1.61E+00	3.85E+00
5007	482363.09	3863377.25	0.47562	0.24569	0.20127	0.40408	0.12	0.478	0.2287	0.24569	3.32E+00	4.54E-01	2.10E-05	1.42E-02	3.77E-02	4.49E-02	1.62E+00	1.67E+00	3.82E+00
5008	482863.09	3863377.25	0.4744	0.25621	0.12296	0.4095	0.116	0.498	0.241	0.25621	3.31E+00	4.73E-01	1.28E-05	1.44E-02	3.63E-02	4.68E-02	1.71E+00	1.74E+00	3.84E+00
5009	483363.09	3863377.25	0.43909	0.26572	0.1262	0.42591	0.105	0.497	0.2446	0.26572	3.06E+00	4.91E-01	1.31E-05	1.50E-02	3.31E-02	4.67E-02	1.73E+00	1.81E+00	3.57E+00
5010	483863.09	3863377.25	0.47583	0.26253	0.11282	0.46939	0.111	0.509	0.2519	0.26253	3.32E+00	4.85E-01	1.17E-05	1.65E-02	3.49E-02	4.79E-02	1.78E+00	1.79E+00	3.90E+00
5011	484363.09	3863377.25	0.4343	0.26236	0.09534	0.41651	0.078	0.492	0.259	0.26236	3.03E+00	4.85E-01	9.93E-06	1.47E-02	2.43E-02	4.62E-02	1.84E+00	1.78E+00	3.65E+00

5012	484863.09	3863377.25	0.44463	0.26942	0.09992	0.44251	0.077	0.484	0.2672	0.26942	3.10E+00	4.98E-01	1.04E-05	1.56E-02	2.40E-02	4.55E-02	1.89E+00	1.83E+00	3.74E+00
5013	485363.09	3863377.25	0.41443	0.27494	0.09468	0.47	0.073	0.499	0.2746	0.27494	2.89E+00	5.08E-01	9.86E-06	1.65E-02	2.29E-02	4.69E-02	1.95E+00	1.87E+00	3.56E+00
5014	485863.09	3863377.25	0.36616	0.28389	0.07358	0.52294	0.066	0.496	0.2847	0.28389	2.55E+00	5.24E-01	7.66E-06	1.84E-02	2.07E-02	4.66E-02	2.02E+00	1.93E+00	3.25E+00
5015	486363.09	3863377.25	0.33102	0.30157	0.08617	0.58256	0.064	0.53	0.2967	0.30157	2.31E+00	5.57E-01	8.97E-06	2.05E-02	2.00E-02	4.98E-02	2.10E+00	2.05E+00	3.01E+00
5016	486863.09	3863377.25	0.32491	0.32554	0.08274	0.61639	0.06	0.502	0.3119	0.32554	2.27E+00	6.01E-01	8.61E-06	2.17E-02	1.88E-02	4.72E-02	2.21E+00	2.21E+00	2.95E+00
5017	487363.09	3863377.25	0.3112	0.34235	0.09834	0.68831	0.068	0.412	0.3319	0.34235	2.17E+00	6.32E-01	1.02E-05	2.42E-02	2.13E-02	3.87E-02	2.35E+00	2.33E+00	2.91E+00
5018	487863.09	3863377.25	0.27685	0.37419	0.11139	0.79627	0.057	0.431	0.354	0.37419	1.93E+00	6.91E-01	1.16E-05	2.80E-02	1.80E-02	4.05E-02	2.51E+00	2.54E+00	2.67E+00
5019	488363.09	3863377.25	0.36972	0.37838	0.11024	0.97262	0.047	0.443	0.3653	0.37838	2.58E+00	6.99E-01	1.15E-05	3.42E-02	1.47E-02	4.17E-02	2.59E+00	2.57E+00	3.38E+00
5020	488863.09	3863377.25	0.42098	0.39132	0.08996	1.82893	0.045	0.461	0.3759	0.39132	2.93E+00	7.23E-01	9.37E-06	6.44E-02	1.41E-02	4.33E-02	2.66E+00	2.66E+00	3.78E+00
5021	489363.09	3863377.25	0.34384	0.43391	0.08751	4.73194	0.054	0.563	0.3967	0.43391	2.40E+00	8.01E-01	9.11E-06	1.67E-01	1.70E-02	5.29E-02	2.81E+00	2.95E+00	3.30E+00
5022	489863.09	3863377.25	0.45608	0.45911	0.11351	1.70168	0.06	0.619	0.4281	0.45911	3.18E+00	8.48E-01	1.18E-05	5.99E-02	1.87E-02	5.82E-02	3.03E+00	3.12E+00	4.08E+00
5023	490363.09	3863377.25	0.46286	0.48993	0.09352	1.04373	0.061	0.547	0.4823	0.48993	3.23E+00	9.05E-01	9.74E-06	3.67E-02	1.91E-02	5.14E-02	3.42E+00	3.33E+00	4.32E+00
5024	490863.09	3863377.25	0.44993	0.51309	0.07756	0.91988	0.093	0.526	0.5174	0.51309	3.14E+00	9.48E-01	8.07E-06	3.24E-02	2.91E-02	4.94E-02	3.67E+00	3.49E+00	4.37E+00
5025	491363.09	3863377.25	0.43536	0.54302	0.097	0.8108	0.252	0.541	0.5468	0.54302	3.04E+00	1.00E+00	1.01E-05	2.85E-02	7.91E-02	5.09E-02	3.87E+00	3.69E+00	4.38E+00
5026	491863.09	3863377.25	0.47953	0.57029	0.10946	0.74571	0.247	0.549	0.5592	0.57029	3.34E+00	1.05E+00	1.14E-05	2.62E-02	7.74E-02	5.16E-02	3.96E+00	3.88E+00	4.64E+00
5027	492363.09	3863377.25	0.39977	0.61315	0.12402	0.7384	0.243	0.54	0.595	0.61315	2.79E+00	1.13E+00	1.29E-05	2.60E-02	7.61E-02	5.08E-02	4.22E+00	4.17E+00	4.12E+00
5028	492863.09	3863377.25	0.39638	0.56577	0.11229	0.70944	0.189	0.547	0.569	0.56577	2.76E+00	1.04E+00	1.17E-05	2.50E-02	5.91E-02	5.15E-02	4.03E+00	3.85E+00	4.13E+00
5029	493363.09	3863377.25	0.37087	0.47891	0.11331	0.6534	0.211	0.569	0.4824	0.47891	2.59E+00	8.85E-01	1.18E-05	2.30E-02	6.60E-02	5.34E-02	3.42E+00	3.26E+00	3.77E+00
5030	493863.09	3863377.25	0.33573	0.56765	0.07809	0.60798	0.212	0.485	0.5721	0.56765	2.34E+00	1.05E+00	8.13E-06	2.14E-02	6.63E-02	4.56E-02	4.05E+00	3.86E+00	3.72E+00
5031	494363.09	3863377.25	0.39848	0.62642	0.09075	0.54721	0.195	0.481	0.6326	0.62642	2.78E+00	1.16E+00	9.45E-06	1.93E-02	6.11E-02	4.52E-02	4.48E+00	4.26E+00	4.28E+00
5032	494863.09	3863377.25	0.4196	0.6609	0.07828	0.48672	0.223	0.478	0.6688	0.6609	2.93E+00	1.22E+00	8.15E-06	1.71E-02	7.00E-02	4.49E-02	4.74E+00	4.49E+00	4.52E+00
5033	495363.09	3863377.25	0.34304	0.6179	0.09027	0.49823	0.317	0.454	0.6039	0.6179	2.39E+00	1.14E+00	9.40E-06	1.75E-02	9.95E-02	4.26E-02	4.28E+00	4.20E+00	3.77E+00
5034	495863.09	3863377.25	0.32975	0.48597	0.09338	0.46502	0.299	0.438	0.4875	0.48597	2.30E+00	8.98E-01	9.72E-06	1.64E-02	9.38E-02	4.12E-02	3.45E+00	3.30E+00	3.50E+00
5035	496363.09	3863377.25	0.34458	0.89856	0.11935	0.39966	0.235	0.398	0.9067	0.89856	2.40E+00	1.66E+00	1.24E-05	1.41E-02	7.37E-02	3.74E-02	6.42E+00	6.11E+00	4.50E+00
5036	496863.09	3863377.25	0.35198	0.8975	0.10712	0.36699	0.212	0.36	0.9138	0.8975	2.45E+00	1.66E+00	1.12E-05	1.29E-02	6.66E-02	3.39E-02	6.47E+00	6.10E+00	4.60E+00
5037	497363.09	3863377.25	0.35221	0.89828	0.12627	0.35374	0.256	0.366	0.8711	0.89828	2.46E+00	1.66E+00	1.31E-05	1.25E-02	8.04E-02	3.44E-02	6.17E+00	6.11E+00	4.31E+00
5038	497863.09	3863377.25	0.36788	0.90213	0.16778	0.34204	0.218	0.399	0.8895	0.90213	2.56E+00	1.67E+00	1.75E-05	1.20E-02	6.82E-02	3.75E-02	6.30E+00	6.13E+00	4.52E+00
5039	498363.09	3863377.25	0.35998	0.86449	0.17107	0.35199	0.244	0.385	0.8785	0.86449	2.51E+00	1.60E+00	1.78E-05	1.24E-02	7.63E-02	3.62E-02	6.22E+00	5.88E+00	4.58E+00
5040	471363.09	3863877.25	0.34386	0.14455	0.11054	0.19253	0.167	0.252	0.1418	0.14455	2.40E+00	2.67E-01	1.15E-05	6.78E-03	5.24E-02	2.37E-02	1.00E+00	9.83E-01	2.77E+00
5041	471863.09	3863877.25	0.35212	0.14678	0.10727	0.2018	0.162	0.269	0.1424	0.14678	2.45E+00	2.71E-01	1.12E-05	7.10E-03	5.07E-02	2.53E-02	1.01E+00	9.98E-01	2.82E+00
5042	472363.09	3863877.25	0.39069	0.14881	0.1175	0.21374	0.159	0.292	0.1442	0.14881	2.72E+00	2.75E-01	1.22E-05	7.52E-03	4.99E-02	2.75E-02	1.02E+00	1.01E+00	3.09E+00
5043	472863.09	3863877.25	0.3935	0.1505	0.12045	0.23517	0.194	0.303	0.1456	0.1505	2.74E+00	2.78E-01	1.25E-05	8.28E-03	6.06E-02	2.85E-02	1.03E+00	1.02E+00	3.13E+00
5044	473363.09	3863877.25	0.38158	0.15164	0.13602	0.23609	0.18	0.307	0.1469	0.15164	2.66E+00	2.80E-01	1.42E-05	8.31E-03	5.65E-02	2.88E-02	1.04E+00	1.03E+00	3.04E+00
5045	473863.09	3863877.25	0.38413	0.15238	0.1356	0.24405	0.171	0.303	0.1485	0.15238	2.68E+00	2.81E-01	1.41E-05	8.59E-03	5.35E-02	2.84E-02	1.05E+00	1.04E+00	3.07E+00
5046	474363.09	3863877.25	0.38781	0.1556	0.13303	0.24511	0.145	0.302	0.1487	0.1556	2.70E+00	2.87E-01	1.38E-05	8.63E-03	4.56E-02	2.84E-02	1.05E+00	1.06E+00	3.07E+00
5047	474863.09	3863877.25	0.38612	0.15832	0.12342	0.24268	0.175	0.291	0.1514	0.15832	2.69E+00	2.92E-01	1.28E-05	8.54E-03	5.50E-02	2.73E-02	1.07E+00	1.08E+00	3.07E+00
5048	475363.09	3863877.25	0.37844	0.16359	0.12223	0.25318	0.262	0.298	0.1552	0.16359	2.64E+00	3.02E-01	1.27E-05	8.91E-03	8.20E-02	2.81E-02	1.10E+00	1.11E+00	3.05E+00
5049	475863.09	3863877.25	0.36134	0.1679	0.12466	0.25299	0.214	0.308	0.1608	0.1679	2.52E+00	3.10E-01	1.30E-05	8.90E-03	6.70E-02	2.90E-02	1.14E+00	1.14E+00	2.93E+00
5050	476363.09	3863877.25	0.3777	0.17875	0.13646	0.25821	0.206	0.334	0.1684	0.17875	2.63E+00	3.30E-01	1.42E-05	9.09E-03	6.45E-02	3.14E-02	1.19E+00	1.22E+00	3.05E+00
5051	476863.09	3863877.25	0.40562	0.18347	0.13897	0.26089	0.209	0.344	0.1729	0.18347	2.83E+00	3.39E-01	1.45E-05	9.18E-03	6.54E-02	3.23E-02	1.22E+00	1.25E+00	3.25E+00
5052	477363.09	3863877.25	0.43103	0.18733	0.12657	0.26499	0.26	0.341	0.1774	0.18733	3.01E+00	3.46E-01	1.32E-05	9.33E-03	8.15E-02	3.21E-02	1.26E+00	1.27E+00	3.46E+00
5053	477863.09	3863877.25	0.45194	0.19739	0.13519	0.27332	0.293	0.348	0.1818	0.19739	3.15E+00	3.65E-01	1.41E-05	9.62E-03	9.18E-02	3.27E-02	1.29E+00	1.34E+00	3.60E+00
5054	478363.09	3863877.25	0.46271	0.1942	0.11756	0.28001	0.323	0.341	0.1824	0.1942	3.23E+00	3.59E-01	1.22E-05	9.86E-03	1.01E-01	3.20E-02	1.29E+00	1.32E+00	3.70E+00
5055	478863.09	3863877.25	0.46132	0.19999	0.13931	0.28812	0.273	0.364	0.1831	0.19999	3.22E+00	3.69E-01	1.45E-05	1.01E-02	8.55E-02	3.42E-02	1.30E+00	1.36E+00	3.65E+00
5056	479363.09	3863877.25	0.47318	0.19629	0.14595	0.29917	0.22	0.375	0.1885	0.19629	3.30E+00	3.63E-01	1.52E-05	1.05E-02	6.90E-02	3.52E-02	1.34E+00	1.33E+00	3.78E+00
5057	479863.09	3863877.25	0.43766	0.20583	0.1465	0.31684	0.185	0.379	0.1914	0.20583	3.05E+00	3.80E-01	1.53E-05	1.12E-02	5.80E-02	3.56E-02	1.36E+00	1.40E+00	3.49E+00
5058	480363.09	3863877.25	0.44276	0.2072	0.16882	0.34179	0.162	0.387	0.1932	0.2072	3.09E+00	3.83E-01	1.76E-05	1.20E-02	5.09E-02	3.63E-02	1.37E+00	1.41E+00	3.53E+00
5059	480863.09	3863877.25	0.44317	0.20983	0.1511	0.34986	0.194	0.386	0.1974	0.20983	3.09E+00	3.88E-01	1.57E-05	1.23E-02	6.08E-02	3.62E-02	1.40E+00	1.43E+00	3.56E+00
5060	481363.09	3863877.25	0.40602	0.21631	0.14916	0.35815	0.147	0.385	0.2042	0.21631	2.83E+00	4.00E-01	1.55E-05	1.26E-02	4.60E-02	3.62E-02	1.45E+00	1.47E+00	3.30E+00
5061	481863.09	3863877.25	0.403	0.23069	0.18337	0.36727	0.109	0.411	0.2156	0.23069	2.81E+00	4.26E-01	1.91E-05	1.29E-02	3.42E-02	3.86E-02	1.53E+00	1.57E+00	3.28E+00
5062	482363.09	3863877.25	0.40396	0.2418	0.11879	0.36996	0.11	0.444	0.2248	0.2418	2.82E+00	4.47E-01	1.24E-05	1.30E-02	3.45E-02	4.17E-02	1.59E+00	1.64E+00	3.30E+00
5063	482863.09	3863877.25	0.39126	0.25523	0.1224	0.39696	0.101	0.45	0.2358	0.25523	2.73E+00	4.71E-01	1.27E-05	1.40E-02	3.17E-02	4.23E-02	1.67E+00	1.74E+00	3.22E+00
5064	483363.09	3863877.25	0.38553	0.25811	0.10467	0.40801	0.097	0.457	0.2371	0.25811	2.69E+00	4.77E-01	1.09E-05	1.44E-02	3.04E-02	4.30E-02	1.68E+00	1.76E+00	3.18E+00
5065	483863.09	3863877.25	0.42285	0.25138	0.08228	0.3825	0.088	0.462	0.2434	0.25138	2.95E+00	4.64E-01	8.57E-06	1.35E-02	2.76E-02	4.34E-02	1.72E+00	1.71E+00	3.51E+00
5066	484363.09	3863877.25	0.41005	0.25019	0.08055	0.39604	0.07	0.468	0.2504	0.25019	2.86E+00	4.62E-01	8.39E-06	1.39E-02	2.20E-02	4.40E-02	1.77E+00	1.70E+00	3.47E+00
5067	484863.09	3863877.25	0.38822	0.26101	0.0881	0.42132	0.074	0.433	0.2612	0.26101	2.71E+00	4.82E-01	9.17E-06	1.48E-02	2.32E-02	4.07E-02	1.85E+00	1.77E+00	3.34E+00
5068	485363.09	3863877.25	0.35156	0.26951	0.07555	0.45491	0.064	0.433	0.27	0.26951	2.45E+00	4.98E-01	7.87E-06	1.60E-02	2.01E-02	4.07E-02	1.91E+00	1.83E+00	3.11E+00
5069	485863.09	3863877.25	0.31114	0.27703	0.07318	0.47444	0.06	0.442	0.2777	0.27703	2.17E+00	5.12E-01	7.62E-06	1.67E-02	1.88E-02	4.16E-02	1.97E+00	1.88E+00	2.84E+00
5070	486363.09	3863877.25	0.24559	0.28249	0.06903	0.49312	0.054	0.454	0.2832	0.28249	1.71E+00	5.22E-01	7.19E-06	1.74E-02	1.70E-02	4.27E-02	2.01E+00	1.92E+00	2.40E+00

5071	486863.09	3863877.25	0.26273	0.297	0.0771	0.5557	0.053	0.394	0.2866	0.297	1.83E+00	5.49E-01	8.03E-06	1.96E-02	1.66E-02	3.70E-02	2.03E+00	2.02E+00	2.46E+00
5072	487363.09	3863877.25	0.2533	0.31331	0.07862	0.6025	0.058	0.328	0.3054	0.31331	1.77E+00	5.79E-01	8.18E-06	2.12E-02	1.81E-02	3.08E-02	2.16E+00	2.13E+00	2.45E+00
5073	487863.09	3863877.25	0.22233	0.341	0.11131	0.59677	0.052	0.358	0.3202	0.341	1.55E+00	6.30E-01	1.16E-05	2.10E-02	1.63E-02	3.37E-02	2.27E+00	2.32E+00	2.20E+00
5074	488363.09	3863877.25	0.26807	0.3563	0.10845	0.46766	0.043	0.388	0.3401	0.3563	1.87E+00	6.58E-01	1.13E-05	1.65E-02	1.35E-02	3.64E-02	2.41E+00	2.42E+00	2.58E+00
5075	488863.09	3863877.25	0.31875	0.36595	0.07041	0.39143	0.039	0.394	0.3617	0.36595	2.22E+00	6.76E-01	7.33E-06	1.38E-02	1.21E-02	3.71E-02	2.56E+00	2.49E+00	3.04E+00
5076	489363.09	3863877.25	0.30331	0.37669	0.08413	0.39366	0.044	0.385	0.3648	0.37669	2.11E+00	6.96E-01	8.76E-06	1.39E-02	1.39E-02	3.62E-02	2.58E+00	2.56E+00	2.90E+00
5077	489863.09	3863877.25	0.31453	0.42767	0.09353	0.66465	0.039	0.432	0.3861	0.42767	2.19E+00	7.90E-01	9.74E-06	2.34E-02	1.24E-02	4.06E-02	2.74E+00	2.91E+00	2.89E+00
5078	490363.09	3863877.25	0.39493	0.44507	0.08613	0.62072	0.054	0.499	0.4077	0.44507	2.75E+00	8.22E-01	8.97E-06	2.18E-02	1.69E-02	4.69E-02	2.89E+00	3.03E+00	3.52E+00
5079	490863.09	3863877.25	0.41788	0.45222	0.0663	0.62691	0.074	0.496	0.429	0.45222	2.91E+00	8.35E-01	6.90E-06	2.21E-02	2.33E-02	4.66E-02	3.04E+00	3.08E+00	3.80E+00
5080	491363.09	3863877.25	0.38477	0.45463	0.07254	0.63883	0.132	0.441	0.4549	0.45463	2.68E+00	8.40E-01	7.55E-06	2.25E-02	4.13E-02	4.14E-02	3.22E+00	3.09E+00	3.76E+00
5081	491863.09	3863877.25	0.36487	0.45885	0.08894	0.62276	0.29	0.5	0.4768	0.45885	2.54E+00	8.47E-01	9.26E-06	2.19E-02	9.09E-02	4.70E-02	3.38E+00	3.12E+00	3.81E+00
5082	492363.09	3863877.25	0.42716	0.35896	0.1037	0.60067	0.176	0.5	0.3499	0.35896	2.98E+00	6.63E-01	1.08E-05	2.11E-02	5.52E-02	4.70E-02	2.48E+00	2.44E+00	3.80E+00
5083	492863.09	3863877.25	0.37031	0.28695	0.11273	0.47665	0.191	0.511	0.2771	0.28695	2.58E+00	5.30E-01	1.17E-05	1.68E-02	5.99E-02	4.80E-02	1.96E+00	1.95E+00	3.25E+00
5084	493363.09	3863877.25	0.38021	0.33338	0.09642	0.47643	0.153	0.491	0.2866	0.33338	2.65E+00	6.16E-01	1.00E-05	1.68E-02	4.81E-02	4.62E-02	2.03E+00	2.27E+00	3.14E+00
5085	493863.09	3863877.25	0.36039	0.35352	0.07462	0.49981	0.181	0.441	0.3158	0.35352	2.51E+00	6.53E-01	7.77E-06	1.76E-02	5.67E-02	4.14E-02	2.24E+00	2.40E+00	3.12E+00
5086	494363.09	3863877.25	0.29939	0.41664	0.06122	0.46326	0.197	0.456	0.4187	0.41664	2.09E+00	7.70E-01	6.37E-06	1.63E-02	6.19E-02	4.28E-02	2.97E+00	2.83E+00	3.11E+00
5087	494863.09	3863877.25	0.31837	0.41671	0.08157	0.42312	0.181	0.433	0.3931	0.41671	2.22E+00	7.70E-01	8.49E-06	1.49E-02	5.67E-02	4.07E-02	2.78E+00	2.83E+00	3.05E+00
5088	495363.09	3863877.25	0.38998	0.42669	0.06653	0.38249	0.176	0.376	0.3915	0.42669	2.72E+00	7.88E-01	6.93E-06	1.35E-02	5.51E-02	3.53E-02	2.77E+00	2.90E+00	3.48E+00
5089	495863.09	3863877.25	0.32492	0.42235	0.07479	0.4115	0.253	0.39	0.4041	0.42235	2.27E+00	7.80E-01	7.79E-06	1.45E-02	7.94E-02	3.66E-02	2.86E+00	2.87E+00	3.17E+00
5090	496363.09	3863877.25	0.27718	0.5449	0.07081	0.38105	0.279	0.368	0.5559	0.5449	1.93E+00	1.01E+00	7.37E-06	1.34E-02	8.75E-02	3.46E-02	3.94E+00	3.71E+00	3.31E+00
5091	496863.09	3863877.25	0.29696	0.61948	0.08629	0.35796	0.246	0.322	0.6244	0.61948	2.07E+00	1.14E+00	8.98E-06	1.26E-02	7.72E-02	3.02E-02	4.42E+00	4.21E+00	3.55E+00
5092	497363.09	3863877.25	0.29326	0.56662	0.10235	0.30976	0.178	0.314	0.565	0.56662	2.04E+00	1.05E+00	1.07E-05	1.09E-02	5.57E-02	2.95E-02	4.00E+00	3.85E+00	3.34E+00
5093	497863.09	3863877.25	0.317	0.55254	0.10028	0.32625	0.201	0.323	0.5665	0.55254	2.21E+00	1.02E+00	1.04E-05	1.15E-02	6.30E-02	3.03E-02	4.01E+00	3.76E+00	3.59E+00
5094	498363.09	3863877.25	0.31668	0.59538	0.10773	0.31553	0.218	0.328	0.587	0.59538	2.21E+00	1.10E+00	1.12E-05	1.11E-02	6.82E-02	3.08E-02	4.16E+00	4.05E+00	3.53E+00
5095	471363.09	3864377.25	0.32226	0.14323	0.10608	0.19515	0.15	0.27	0.1366	0.14323	2.25E+00	2.65E-01	1.10E-05	6.87E-03	4.69E-02	2.54E-02	9.68E-01	9.74E-01	2.58E+00
5096	471863.09	3864377.25	0.3453	0.14539	0.11089	0.21275	0.18	0.274	0.1391	0.14539	2.41E+00	2.69E-01	1.15E-05	7.49E-03	5.64E-02	2.58E-02	9.86E-01	9.89E-01	2.76E+00
5097	472363.09	3864377.25	0.34073	0.14788	0.1098	0.2219	0.157	0.275	0.1412	0.14788	2.38E+00	2.73E-01	1.14E-05	7.81E-03	4.92E-02	2.58E-02	1.00E+00	1.01E+00	2.73E+00
5098	472863.09	3864377.25	0.35288	0.15068	0.10906	0.23023	0.154	0.281	0.1448	0.15068	2.46E+00	2.78E-01	1.14E-05	8.10E-03	4.81E-02	2.64E-02	1.03E+00	1.02E+00	2.82E+00
5099	473363.09	3864377.25	0.35953	0.15354	0.10477	0.23339	0.133	0.282	0.1484	0.15354	2.51E+00	2.84E-01	1.09E-05	8.21E-03	4.15E-02	2.65E-02	1.05E+00	1.04E+00	2.87E+00
5100	473863.09	3864377.25	0.35705	0.15708	0.11082	0.23505	0.15	0.276	0.1522	0.15708	2.49E+00	2.90E-01	1.15E-05	8.27E-03	4.70E-02	2.59E-02	1.08E+00	1.07E+00	2.87E+00
5101	474363.09	3864377.25	0.34851	0.16048	0.10978	0.23313	0.232	0.282	0.1537	0.16048	2.43E+00	2.96E-01	1.14E-05	8.21E-03	7.27E-02	2.65E-02	1.09E+00	1.09E+00	2.83E+00
5102	474863.09	3864377.25	0.33352	0.15976	0.12061	0.24303	0.196	0.286	0.1539	0.15976	2.33E+00	2.95E-01	1.26E-05	8.55E-03	6.14E-02	2.69E-02	1.09E+00	1.09E+00	2.72E+00
5103	475363.09	3864377.25	0.32879	0.16339	0.12732	0.24682	0.192	0.295	0.1585	0.16339	2.29E+00	3.02E-01	1.33E-05	8.69E-03	6.01E-02	2.77E-02	1.12E+00	1.11E+00	2.70E+00
5104	475863.09	3864377.25	0.33994	0.17048	0.12862	0.249	0.187	0.302	0.1613	0.17048	2.37E+00	3.15E-01	1.34E-05	8.76E-03	5.85E-02	2.84E-02	1.14E+00	1.16E+00	2.76E+00
5105	476363.09	3864377.25	0.36211	0.17425	0.13597	0.25198	0.212	0.296	0.1633	0.17425	2.52E+00	3.22E-01	1.42E-05	8.87E-03	6.64E-02	2.78E-02	1.16E+00	1.18E+00	2.92E+00
5106	476863.09	3864377.25	0.39959	0.17752	0.12907	0.25642	0.244	0.308	0.1657	0.17752	2.79E+00	3.28E-01	1.34E-05	9.02E-03	7.64E-02	2.90E-02	1.17E+00	1.21E+00	3.20E+00
5107	477363.09	3864377.25	0.37963	0.18301	0.13754	0.25968	0.287	0.308	0.1724	0.18301	2.65E+00	3.38E-01	1.43E-05	9.14E-03	8.99E-02	2.89E-02	1.22E+00	1.24E+00	3.09E+00
5108	477863.09	3864377.25	0.39051	0.18596	0.17863	0.25241	0.26	0.317	0.1748	0.18596	2.72E+00	3.43E-01	1.86E-05	8.88E-03	8.13E-02	2.98E-02	1.24E+00	1.26E+00	3.16E+00
5109	478363.09	3864377.25	0.41575	0.18676	0.15216	0.26738	0.236	0.324	0.175	0.18676	2.90E+00	3.45E-01	1.58E-05	9.41E-03	7.41E-02	3.04E-02	1.24E+00	1.27E+00	3.33E+00
5110	478863.09	3864377.25	0.4063	0.18574	0.14621	0.28361	0.186	0.352	0.1786	0.18574	2.83E+00	3.43E-01	1.52E-05	9.98E-03	5.82E-02	3.31E-02	1.27E+00	1.26E+00	3.28E+00
5111	479363.09	3864377.25	0.38788	0.19018	0.1364	0.313	0.162	0.354	0.1807	0.19018	2.70E+00	3.51E-01	1.42E-05	1.10E-02	5.06E-02	3.33E-02	1.28E+00	1.29E+00	3.14E+00
5112	479863.09	3864377.25	0.38084	0.19656	0.1835	0.31583	0.145	0.355	0.1814	0.19656	2.66E+00	3.63E-01	1.91E-05	1.11E-02	4.54E-02	3.34E-02	1.29E+00	1.34E+00	3.06E+00
5113	480363.09	3864377.25	0.37553	0.19631	0.16628	0.32027	0.171	0.346	0.1857	0.19631	2.62E+00	3.63E-01	1.73E-05	1.13E-02	5.35E-02	3.25E-02	1.32E+00	1.33E+00	3.06E+00
5114	480863.09	3864377.25	0.37742	0.19992	0.16882	0.33255	0.124	0.363	0.1885	0.19992	2.63E+00	3.69E-01	1.76E-05	1.17E-02	3.87E-02	3.41E-02	1.34E+00	1.36E+00	3.06E+00
5115	481363.09	3864377.25	0.35199	0.20727	0.14779	0.33366	0.096	0.364	0.1954	0.20727	2.45E+00	3.83E-01	1.54E-05	1.17E-02	3.01E-02	3.42E-02	1.38E+00	1.41E+00	2.89E+00
5116	481863.09	3864377.25	0.33358	0.21234	0.11745	0.32819	0.09	0.38	0.2023	0.21234	2.33E+00	3.92E-01	1.22E-05	1.16E-02	2.82E-02	3.57E-02	1.43E+00	1.44E+00	2.78E+00
5117	482363.09	3864377.25	0.35375	0.22565	0.11256	0.34148	0.095	0.417	0.2156	0.22565	2.47E+00	4.17E-01	1.17E-05	1.20E-02	2.99E-02	3.92E-02	1.53E+00	1.53E+00	2.96E+00
5118	482863.09	3864377.25	0.32939	0.23661	0.12212	0.33289	0.095	0.415	0.2179	0.23661	2.30E+00	4.37E-01	1.27E-05	1.17E-02	2.96E-02	3.90E-02	1.54E+00	1.61E+00	2.75E+00
5119	483363.09	3864377.25	0.3649	0.24223	0.08634	0.31132	0.091	0.414	0.2247	0.24223	2.54E+00	4.47E-01	8.99E-06	1.10E-02	2.86E-02	3.89E-02	1.59E+00	1.65E+00	3.01E+00
5120	483863.09	3864377.25	0.37105	0.24134	0.08018	0.31058	0.06	0.413	0.2366	0.24134	2.59E+00	4.46E-01	8.35E-06	1.09E-02	1.88E-02	3.88E-02	1.68E+00	1.64E+00	3.14E+00
5121	484363.09	3864377.25	0.35045	0.24402	0.07875	0.33898	0.065	0.392	0.244	0.24402	2.44E+00	4.51E-01	8.20E-06	1.19E-02	2.03E-02	3.69E-02	1.73E+00	1.66E+00	3.03E+00
5122	484863.09	3864377.25	0.29293	0.24663	0.09258	0.36947	0.058	0.396	0.2468	0.24663	2.04E+00	4.56E-01	9.64E-06	1.30E-02	1.80E-02	3.72E-02	1.75E+00	1.68E+00	2.64E+00
5123	485363.09	3864377.25	0.2929	0.25123	0.06407	0.38804	0.049	0.375	0.2518	0.25123	2.04E+00	4.64E-01	6.67E-06	1.37E-02	1.53E-02	3.53E-02	1.78E+00	1.71E+00	2.65E+00
5124	485863.09	3864377.25	0.22907	0.253	0.06353	0.40139	0.058	0.389	0.2538	0.253	1.60E+00	4.67E-01	6.61E-06	1.41E-02	1.83E-02	3.66E-02	1.80E+00	1.72E+00	2.21E+00
5125	486363.09	3864377.25	0.20525	0.25669	0.06413	0.37575	0.044	0.347	0.2581	0.25669	1.43E+00	4.74E-01	6.68E-06	1.32E-02	1.39E-02	3.26E-02	1.83E+00	1.75E+00	2.05E+00
5126	486863.09	3864377.25	0.20845	0.27125	0.06125	0.40981	0.05	0.307	0.2677	0.27125	1.45E+00	5.01E-01	6.38E-06	1.44E-02	1.56E-02	2.88E-02	1.90E+00	1.84E+00	2.07E+00
5127	487363.09	3864377.25	0.19342	0.28793	0.10177	0.33085	0.051	0.283	0.2754	0.28793	1.35E+00	5.32E-01	1.06E-05	1.16E-02	1.61E-02	2.66E-02	1.95E+00	1.96E+00	1.93E+00
5128	487863.09	3864377.25	0.17157	0.30465	0.11767	0.34707	0.048	0.297	0.2916	0.30465	1.20E+00	5.63E-01	1.23E-05	1.22E-02	1.49E-02	2.79E-02	2.07E+00	2.07E+00	1.81E+00
5129	488363.09	3864377.25	0.20273	0.32123	0.07167	0.27424	0.04	0.327	0.3119	0.32123	1.41E+00	5.93E-01	7.46E-06	9.65E-03	1.24E-02	3.07E-02	2.21E+00	2.18E+00	2.08E+00

5130	488863.09	3864377.25	0.24389	0.32675	0.06118	0.29923	0.032	0.333	0.319	0.32675	1.70E+00	6.03E-01	6.37E-06	1.05E-02	9.96E-03	3.13E-02	2.26E+00	2.22E+00	2.39E+00
5131	489363.09	3864377.25	0.23696	0.34381	0.07305	0.2533	0.038	0.295	0.332	0.34381	1.65E+00	6.35E-01	7.60E-06	8.92E-03	1.19E-02	2.77E-02	2.35E+00	2.34E+00	2.35E+00
5132	489863.09	3864377.25	0.24429	0.35514	0.08494	0.28384	0.028	0.324	0.3367	0.35514	1.70E+00	6.56E-01	8.84E-06	9.99E-03	8.63E-03	3.05E-02	2.39E+00	2.41E+00	2.38E+00
5133	490363.09	3864377.25	0.31988	0.38184	0.07547	0.41318	0.05	0.413	0.3599	0.38184	2.23E+00	7.05E-01	7.86E-06	1.45E-02	1.58E-02	3.88E-02	2.55E+00	2.60E+00	2.96E+00
5134	490863.09	3864377.25	0.34357	0.40128	0.0681	0.43415	0.05	0.431	0.3837	0.40128	2.40E+00	7.41E-01	7.09E-06	1.53E-02	1.57E-02	4.05E-02	2.72E+00	2.73E+00	3.20E+00
5135	491363.09	3864377.25	0.37042	0.38504	0.0574	0.48993	0.071	0.418	0.3814	0.38504	2.58E+00	7.11E-01	5.98E-06	1.72E-02	2.22E-02	3.93E-02	2.70E+00	2.62E+00	3.46E+00
5136	491863.09	3864377.25	0.36517	0.15216	0.04824	0.28966	0.064	0.306	0.1828	0.15216	2.55E+00	2.81E-01	5.02E-06	1.02E-02	1.99E-02	2.88E-02	1.30E+00	1.03E+00	3.15E+00
5137	492363.09	3864377.25	0.31135	0.21461	0.06761	0.34318	0.115	0.409	0.2518	0.21461	2.17E+00	3.96E-01	7.04E-06	1.21E-02	3.60E-02	3.84E-02	1.78E+00	1.46E+00	2.98E+00
5138	492863.09	3864377.25	0.2875	0.16005	0.05302	0.26775	0.089	0.282	0.1723	0.16005	2.00E+00	2.96E-01	5.52E-06	9.42E-03	2.79E-02	2.65E-02	1.22E+00	1.09E+00	2.50E+00
5139	493363.09	3864377.25	0.31058	0.19557	0.0979	0.30325	0.108	0.335	0.1999	0.19557	2.17E+00	3.61E-01	1.02E-05	1.07E-02	3.39E-02	3.15E-02	1.42E+00	1.33E+00	2.69E+00
5140	493863.09	3864377.25	0.35103	0.25771	0.0871	0.3408	0.109	0.367	0.232	0.25771	2.45E+00	4.76E-01	9.07E-06	1.20E-02	3.40E-02	3.45E-02	1.64E+00	1.75E+00	2.90E+00
5141	494363.09	3864377.25	0.33626	0.28953	0.06591	0.38812	0.149	0.391	0.2753	0.28953	2.34E+00	5.35E-01	6.86E-06	1.37E-02	4.66E-02	3.67E-02	1.95E+00	1.97E+00	2.96E+00
5142	494863.09	3864377.25	0.27882	0.32743	0.05072	0.37709	0.18	0.383	0.3007	0.32743	1.94E+00	6.05E-01	5.28E-06	1.33E-02	5.63E-02	3.60E-02	2.13E+00	2.23E+00	2.56E+00
5143	495363.09	3864377.25	0.25756	0.32073	0.06658	0.36256	0.167	0.387	0.303	0.32073	1.80E+00	5.92E-01	6.93E-06	1.28E-02	5.23E-02	3.63E-02	2.15E+00	2.18E+00	2.46E+00
5144	495863.09	3864377.25	0.32736	0.31173	0.06126	0.33842	0.16	0.333	0.3003	0.31173	2.28E+00	5.76E-01	6.38E-06	1.19E-02	5.02E-02	3.13E-02	2.13E+00	2.12E+00	2.96E+00
5145	496363.09	3864377.25	0.28619	0.3771	0.0653	0.37882	0.201	0.336	0.3383	0.3771	2.00E+00	6.96E-01	6.80E-06	1.33E-02	6.29E-02	3.16E-02	2.40E+00	2.56E+00	2.63E+00
5146	496863.09	3864377.25	0.27026	0.4358	0.07467	0.35651	0.269	0.315	0.4419	0.4358	1.88E+00	8.05E-01	7.77E-06	1.25E-02	8.42E-02	2.96E-02	3.13E+00	2.96E+00	2.98E+00
5147	497363.09	3864377.25	0.25844	0.42787	0.06716	0.3213	0.243	0.284	0.4463	0.42787	1.80E+00	7.90E-01	6.99E-06	1.13E-02	7.62E-02	2.67E-02	3.16E+00	2.91E+00	2.96E+00
5148	497863.09	3864377.25	0.2814	0.3881	0.08121	0.297	0.165	0.273	0.3949	0.3881	1.96E+00	7.17E-01	8.45E-06	1.05E-02	5.18E-02	2.57E-02	2.80E+00	2.64E+00	2.93E+00
5149	498363.09	3864377.25	0.26151	0.44902	0.07974	0.26595	0.163	0.278	0.4295	0.44902	1.82E+00	8.29E-01	8.30E-06	9.36E-03	5.12E-02	2.61E-02	3.04E+00	3.05E+00	2.73E+00
5150	471363.09	3864877.25	0.33455	0.14898	0.08506	0.20721	0.137	0.261	0.1387	0.14898	2.33E+00	2.75E-01	8.86E-06	7.29E-03	4.31E-02	2.46E-02	9.83E-01	1.01E+00	2.65E+00
5151	471863.09	3864877.25	0.33411	0.1499	0.09739	0.21193	0.139	0.266	0.1419	0.1499	2.33E+00	2.77E-01	1.01E-05	7.46E-03	4.35E-02	2.50E-02	1.01E+00	1.02E+00	2.67E+00
5152	472363.09	3864877.25	0.33673	0.14924	0.0974	0.21688	0.124	0.258	0.1445	0.14924	2.35E+00	2.76E-01	1.01E-05	7.63E-03	3.88E-02	2.42E-02	1.02E+00	1.01E+00	2.70E+00
5153	472863.09	3864877.25	0.34342	0.14903	0.09502	0.22142	0.131	0.256	0.1448	0.14903	2.39E+00	2.75E-01	9.89E-06	7.79E-03	4.11E-02	2.40E-02	1.03E+00	1.01E+00	2.76E+00
5154	473363.09	3864877.25	0.33516	0.1511	0.09826	0.22936	0.195	0.257	0.1451	0.1511	2.34E+00	2.79E-01	1.02E-05	8.07E-03	6.10E-02	2.42E-02	1.03E+00	1.03E+00	2.71E+00
5155	473863.09	3864877.25	0.32308	0.15184	0.10919	0.23528	0.18	0.267	0.1452	0.15184	2.25E+00	2.80E-01	1.14E-05	8.28E-03	5.64E-02	2.51E-02	1.03E+00	1.03E+00	2.62E+00
5156	474363.09	3864877.25	0.30484	0.1525	0.11891	0.23775	0.176	0.267	0.1477	0.1525	2.13E+00	2.82E-01	1.24E-05	8.37E-03	5.51E-02	2.51E-02	1.05E+00	1.04E+00	2.51E+00
5157	474863.09	3864877.25	0.29523	0.15606	0.11275	0.23924	0.164	0.271	0.1497	0.15606	2.06E+00	2.88E-01	1.17E-05	8.42E-03	5.14E-02	2.55E-02	1.06E+00	1.06E+00	2.43E+00
5158	475363.09	3864877.25	0.31025	0.16034	0.11017	0.2409	0.161	0.279	0.1522	0.16034	2.16E+00	2.96E-01	1.15E-05	8.48E-03	5.04E-02	2.62E-02	1.08E+00	1.09E+00	2.53E+00
5159	475863.09	3864877.25	0.32244	0.1634	0.11904	0.24034	0.224	0.284	0.154	0.1634	2.25E+00	3.02E-01	1.24E-05	8.46E-03	7.03E-02	2.67E-02	1.09E+00	1.11E+00	2.64E+00
5160	476363.09	3864877.25	0.34888	0.16405	0.11216	0.24175	0.243	0.289	0.1565	0.16405	2.43E+00	3.03E-01	1.17E-05	8.51E-03	7.63E-02	2.72E-02	1.11E+00	1.12E+00	2.84E+00
5161	476863.09	3864877.25	0.35479	0.17108	0.12304	0.23928	0.267	0.292	0.1615	0.17108	2.47E+00	3.16E-01	1.28E-05	8.42E-03	8.38E-02	2.74E-02	1.14E+00	1.16E+00	2.89E+00
5162	477363.09	3864877.25	0.35262	0.17823	0.16054	0.24595	0.202	0.293	0.1674	0.17823	2.46E+00	3.29E-01	1.67E-05	8.66E-03	6.34E-02	2.75E-02	1.19E+00	1.21E+00	2.86E+00
5163	477863.09	3864877.25	0.35819	0.18117	0.13802	0.25182	0.209	0.302	0.1699	0.18117	2.50E+00	3.35E-01	1.44E-05	8.86E-03	6.54E-02	2.84E-02	1.20E+00	1.23E+00	2.91E+00
5164	478363.09	3864877.25	0.37262	0.1811	0.13484	0.28021	0.165	0.318	0.1711	0.1811	2.60E+00	3.34E-01	1.40E-05	9.86E-03	5.17E-02	2.99E-02	1.21E+00	1.23E+00	3.00E+00
5165	478863.09	3864877.25	0.36487	0.18355	0.13059	0.29151	0.13	0.322	0.175	0.18355	2.54E+00	3.39E-01	1.36E-05	1.03E-02	4.08E-02	3.03E-02	1.24E+00	1.25E+00	2.96E+00
5166	479363.09	3864877.25	0.34628	0.18495	0.1541	0.28945	0.125	0.32	0.178	0.18495	2.41E+00	3.42E-01	1.60E-05	1.02E-02	3.93E-02	3.01E-02	1.26E+00	1.26E+00	2.84E+00
5167	479863.09	3864877.25	0.34164	0.18823	0.15969	0.29505	0.15	0.31	0.1789	0.18823	2.38E+00	3.48E-01	1.66E-05	1.04E-02	4.69E-02	2.91E-02	1.27E+00	1.28E+00	2.80E+00
5168	480363.09	3864877.25	0.32549	0.19201	0.13342	0.2866	0.105	0.325	0.1842	0.19201	2.27E+00	3.55E-01	1.39E-05	1.01E-02	3.30E-02	3.05E-02	1.30E+00	1.31E+00	2.70E+00
5169	480863.09	3864877.25	0.31927	0.19961	0.11395	0.28889	0.089	0.346	0.1883	0.19961	2.23E+00	3.69E-01	1.19E-05	1.02E-02	2.79E-02	3.25E-02	1.33E+00	1.36E+00	2.64E+00
5170	481363.09	3864877.25	0.29836	0.20532	0.11766	0.28954	0.086	0.346	0.1939	0.20532	2.08E+00	3.79E-01	1.22E-05	1.02E-02	2.68E-02	3.25E-02	1.37E+00	1.40E+00	2.51E+00
5171	481863.09	3864877.25	0.30363	0.2105	0.09556	0.30848	0.09	0.364	0.2023	0.2105	2.12E+00	3.89E-01	9.95E-06	1.09E-02	2.83E-02	3.42E-02	1.43E+00	1.43E+00	2.58E+00
5172	482363.09	3864877.25	0.32045	0.21523	0.10365	0.28749	0.078	0.39	0.2094	0.21523	2.23E+00	3.98E-01	1.08E-05	1.01E-02	2.43E-02	3.66E-02	1.48E+00	1.46E+00	2.72E+00
5173	482863.09	3864877.25	0.32234	0.22019	0.0943	0.2762	0.085	0.392	0.2109	0.22019	2.25E+00	4.07E-01	9.82E-06	9.72E-03	2.66E-02	3.68E-02	1.49E+00	1.50E+00	2.72E+00
5174	483363.09	3864877.25	0.29736	0.22483	0.079	0.28317	0.054	0.369	0.2143	0.22483	2.07E+00	4.15E-01	8.22E-06	9.97E-03	1.70E-02	3.47E-02	1.52E+00	1.53E+00	2.54E+00
5175	483863.09	3864877.25	0.32642	0.22839	0.07764	0.30592	0.059	0.339	0.2238	0.22839	2.28E+00	4.22E-01	8.08E-06	1.08E-02	1.84E-02	3.19E-02	1.59E+00	1.55E+00	2.79E+00
5176	484363.09	3864877.25	0.27095	0.22652	0.07863	0.33728	0.064	0.341	0.2251	0.22652	1.89E+00	4.18E-01	8.19E-06	1.19E-02	2.02E-02	3.20E-02	1.60E+00	1.54E+00	2.43E+00
5177	484863.09	3864877.25	0.23262	0.22447	0.08724	0.32421	0.051	0.316	0.2253	0.22447	1.62E+00	4.15E-01	9.08E-06	1.14E-02	1.59E-02	2.97E-02	1.60E+00	1.53E+00	2.16E+00
5178	485363.09	3864877.25	0.22262	0.22775	0.05523	0.30348	0.039	0.349	0.229	0.22775	1.55E+00	4.21E-01	5.75E-06	1.07E-02	1.24E-02	3.28E-02	1.62E+00	1.55E+00	2.10E+00
5179	485863.09	3864877.25	0.18728	0.23087	0.06027	0.31768	0.045	0.325	0.2322	0.23087	1.31E+00	4.26E-01	6.27E-06	1.12E-02	1.41E-02	3.06E-02	1.65E+00	1.57E+00	1.86E+00
5180	486363.09	3864877.25	0.19559	0.24083	0.05671	0.3089	0.04	0.295	0.2415	0.24083	1.36E+00	4.45E-01	5.90E-06	1.09E-02	1.24E-02	2.77E-02	1.71E+00	1.64E+00	1.93E+00
5181	486863.09	3864877.25	0.16002	0.24935	0.05529	0.27292	0.045	0.245	0.2501	0.24935	1.12E+00	4.61E-01	5.76E-06	9.61E-03	1.41E-02	2.30E-02	1.77E+00	1.70E+00	1.70E+00
5182	487363.09	3864877.25	0.15469	0.26344	0.09033	0.29087	0.047	0.235	0.2568	0.26344	1.08E+00	4.87E-01	9.40E-06	1.02E-02	1.48E-02	2.21E-02	1.82E+00	1.79E+00	1.64E+00
5183	487863.09	3864877.25	0.16099	0.26486	0.11458	0.23831	0.044	0.23	0.2607	0.26486	1.12E+00	4.89E-01	1.19E-05	8.39E-03	1.38E-02	2.16E-02	1.85E+00	1.80E+00	1.70E+00
5184	488363.09	3864877.25	0.16573	0.28641	0.07003	0.22607	0.037	0.268	0.2701	0.28641	1.16E+00	5.29E-01	7.29E-06	7.96E-03	1.15E-02	2.52E-02	1.91E+00	1.95E+00	1.70E+00
5185	488863.09	3864877.25	0.19377	0.29495	0.05514	0.1866	0.029	0.269	0.2904	0.29495	1.35E+00	5.45E-01	5.74E-06	6.57E-03	9.11E-03	2.53E-02	2.06E+00	2.01E+00	1.99E+00
5186	489363.09	3864877.25	0.20201	0.28748	0.05534	0.19397	0.036	0.276	0.2873	0.28748	1.41E+00	5.31E-01	5.76E-06	6.83E-03	1.14E-02	2.59E-02	2.04E+00	1.95E+00	2.06E+00
5187	489863.09	3864877.25	0.20771	0.31193	0.07199	0.17972	0.022	0.276	0.3016	0.31193	1.45E+00	5.76E-01	7.49E-06	6.33E-03	6.79E-03	2.59E-02	2.14E+00	2.12E+00	2.08E+00
5188	490363.09	3864877.25	0.23303	0.34246	0.07234	0.23864	0.034	0.334	0.3221	0.34246	1.62E+00	6.32E-01	7.53E-06	8.40E-03	1.07E-02	3.14E-02	2.28E+00	2.33E+00	2.26E+00

5189	490863.09	3864877.25	0.34512	0.26828	0.05879	0.26085	0.037	0.4	0.2553	0.26828	2.41E+00	4.95E-01	6.12E-06	9.18E-03	1.17E-02	3.76E-02	1.81E+00	1.82E+00	2.94E+00
5190	491363.09	3864877.25	0.31595	0.33402	0.05277	0.3886	0.059	0.421	0.3432	0.33402	2.20E+00	6.17E-01	5.49E-06	1.37E-02	1.84E-02	3.95E-02	2.43E+00	2.27E+00	3.05E+00
5191	491863.09	3864877.25	0.31117	0.22888	0.05193	0.36838	0.094	0.437	0.2457	0.22888	2.17E+00	4.23E-01	5.41E-06	1.30E-02	2.96E-02	4.10E-02	1.74E+00	1.56E+00	2.86E+00
5192	492363.09	3864877.25	0.25436	0.11516	0.04535	0.16198	0.064	0.242	0.1475	0.11516	1.77E+00	2.13E-01	4.72E-06	5.70E-03	2.01E-02	2.28E-02	1.05E+00	7.83E-01	2.30E+00
5193	492863.09	3864877.25	0.2359	0.12937	0.05034	0.19131	0.081	0.234	0.1528	0.12937	1.64E+00	2.39E-01	5.24E-06	6.73E-03	2.54E-02	2.20E-02	1.08E+00	8.80E-01	2.14E+00
5194	493363.09	3864877.25	0.18148	0.11924	0.03469	0.18436	0.085	0.188	0.136	0.11924	1.27E+00	2.20E-01	3.61E-06	6.49E-03	2.67E-02	1.77E-02	9.63E-01	8.11E-01	1.69E+00
5195	493863.09	3864877.25	0.24982	0.19713	0.09028	0.28063	0.101	0.313	0.1772	0.19713	1.74E+00	3.64E-01	9.40E-06	9.88E-03	3.16E-02	2.94E-02	1.26E+00	1.34E+00	2.09E+00
5196	494363.09	3864877.25	0.31161	0.25641	0.07983	0.30489	0.101	0.337	0.2203	0.25641	2.17E+00	4.74E-01	8.31E-06	1.07E-02	3.16E-02	3.17E-02	1.56E+00	1.74E+00	2.54E+00
5197	494863.09	3864877.25	0.29194	0.26781	0.05861	0.31398	0.124	0.322	0.2544	0.26781	2.04E+00	4.95E-01	6.10E-06	1.11E-02	3.87E-02	3.03E-02	1.80E+00	1.82E+00	2.59E+00
5198	495363.09	3864877.25	0.26498	0.23992	0.04584	0.29484	0.163	0.328	0.2271	0.23992	1.85E+00	4.43E-01	4.77E-06	1.04E-02	5.10E-02	3.08E-02	1.61E+00	1.63E+00	2.36E+00
5199	495863.09	3864877.25	0.23238	0.28928	0.0583	0.31275	0.154	0.341	0.2858	0.28928	1.62E+00	5.34E-01	6.07E-06	1.10E-02	4.82E-02	3.21E-02	2.03E+00	1.97E+00	2.30E+00
5200	496363.09	3864877.25	0.26928	0.26619	0.05497	0.30336	0.145	0.294	0.2438	0.26619	1.88E+00	4.92E-01	5.72E-06	1.07E-02	4.55E-02	2.76E-02	1.73E+00	1.81E+00	2.37E+00
5201	496863.09	3864877.25	0.27482	0.30809	0.05673	0.30365	0.165	0.281	0.2744	0.30809	1.92E+00	5.69E-01	5.91E-06	1.07E-02	5.16E-02	2.64E-02	1.94E+00	2.09E+00	2.42E+00
5202	497363.09	3864877.25	0.2367	0.35992	0.06202	0.3213	0.249	0.29	0.3483	0.35992	1.65E+00	6.65E-01	6.46E-06	1.13E-02	7.82E-02	2.72E-02	2.47E+00	2.45E+00	2.45E+00
5203	497863.09	3864877.25	0.22223	0.33961	0.05898	0.28706	0.237	0.264	0.3379	0.33961	1.55E+00	6.27E-01	6.14E-06	1.01E-02	7.42E-02	2.48E-02	2.39E+00	2.31E+00	2.37E+00
5204	498363.09	3864877.25	0.2387	0.35448	0.06115	0.26977	0.172	0.247	0.348	0.35448	1.66E+00	6.55E-01	6.37E-06	9.49E-03	5.39E-02	2.32E-02	2.47E+00	2.41E+00	2.46E+00
5205	471363.09	3865377.25	0.30972	0.1442	0.09083	0.19969	0.117	0.249	0.1376	0.1442	2.16E+00	2.66E-01	9.46E-06	7.03E-03	3.66E-02	2.34E-02	9.75E-01	9.81E-01	2.49E+00
5206	471863.09	3865377.25	0.31448	0.14374	0.0875	0.2106	0.116	0.243	0.1384	0.14374	2.19E+00	2.65E-01	9.11E-06	7.41E-03	3.63E-02	2.29E-02	9.81E-01	9.77E-01	2.53E+00
5207	472363.09	3865377.25	0.3186	0.14531	0.077	0.22802	0.166	0.236	0.1383	0.14531	2.22E+00	2.68E-01	8.02E-06	8.03E-03	5.21E-02	2.22E-02	9.80E-01	9.88E-01	2.56E+00
5208	472863.09	3865377.25	0.30501	0.14641	0.08163	0.23223	0.173	0.25	0.1403	0.14641	2.13E+00	2.70E-01	8.50E-06	8.17E-03	5.43E-02	2.35E-02	9.94E-01	9.96E-01	2.48E+00
5209	473363.09	3865377.25	0.28889	0.14839	0.08876	0.22734	0.162	0.254	0.1421	0.14839	2.01E+00	2.74E-01	9.24E-06	8.00E-03	5.08E-02	2.38E-02	1.01E+00	1.01E+00	2.37E+00
5210	473863.09	3865377.25	0.26926	0.15	0.10468	0.22177	0.156	0.254	0.1428	0.15	1.88E+00	2.77E-01	1.09E-05	7.81E-03	4.88E-02	2.38E-02	1.01E+00	1.02E+00	2.23E+00
5211	474363.09	3865377.25	0.26939	0.15051	0.10251	0.21738	0.144	0.261	0.1434	0.15051	1.88E+00	2.78E-01	1.07E-05	7.65E-03	4.50E-02	2.45E-02	1.02E+00	1.02E+00	2.23E+00
5212	474863.09	3865377.25	0.27114	0.15409	0.09634	0.21732	0.176	0.275	0.1466	0.15409	1.89E+00	2.85E-01	1.00E-05	7.65E-03	5.53E-02	2.59E-02	1.04E+00	1.05E+00	2.25E+00
5213	475363.09	3865377.25	0.29487	0.15725	0.10661	0.21658	0.202	0.272	0.1492	0.15725	2.06E+00	2.90E-01	1.11E-05	7.62E-03	6.33E-02	2.56E-02	1.06E+00	1.07E+00	2.43E+00
5214	475863.09	3865377.25	0.31775	0.1612	0.09497	0.21926	0.241	0.271	0.1532	0.1612	2.22E+00	2.98E-01	9.89E-06	7.72E-03	7.55E-02	2.54E-02	1.09E+00	1.10E+00	2.61E+00
5215	476363.09	3865377.25	0.33354	0.16485	0.10873	0.22581	0.228	0.278	0.1577	0.16485	2.33E+00	3.04E-01	1.13E-05	7.95E-03	7.13E-02	2.61E-02	1.12E+00	1.12E+00	2.73E+00
5216	476863.09	3865377.25	0.35555	0.1755	0.07505	0.23583	0.187	0.285	0.1625	0.1755	2.48E+00	3.24E-01	7.81E-06	8.30E-03	5.86E-02	2.68E-02	1.15E+00	1.19E+00	2.85E+00
5217	477363.09	3865377.25	0.32522	0.1772	0.11374	0.25317	0.186	0.285	0.1646	0.1772	2.27E+00	3.27E-01	1.18E-05	8.91E-03	5.84E-02	2.68E-02	1.17E+00	1.20E+00	2.65E+00
5218	477863.09	3865377.25	0.34541	0.1786	0.13691	0.2732	0.162	0.298	0.1652	0.1786	2.41E+00	3.30E-01	1.43E-05	9.62E-03	5.09E-02	2.80E-02	1.17E+00	1.21E+00	2.78E+00
5219	478363.09	3865377.25	0.34784	0.17786	0.12326	0.26266	0.106	0.284	0.1679	0.17786	2.43E+00	3.28E-01	1.28E-05	9.24E-03	3.33E-02	2.67E-02	1.19E+00	1.21E+00	2.80E+00
5220	478863.09	3865377.25	0.3353	0.17725	0.12095	0.26496	0.107	0.285	0.1687	0.17725	2.34E+00	3.27E-01	1.26E-05	9.33E-03	3.34E-02	2.68E-02	1.20E+00	1.21E+00	2.72E+00
5221	479363.09	3865377.25	0.31208	0.1761	0.1251	0.25625	0.133	0.279	0.1682	0.1761	2.18E+00	3.25E-01	1.30E-05	9.02E-03	4.18E-02	2.62E-02	1.19E+00	1.20E+00	2.57E+00
5222	479863.09	3865377.25	0.29984	0.181	0.12729	0.25548	0.091	0.292	0.1686	0.181	2.09E+00	3.34E-01	1.33E-05	8.99E-03	2.84E-02	2.74E-02	1.19E+00	1.23E+00	2.45E+00
5223	480363.09	3865377.25	0.27355	0.1815	0.09423	0.26162	0.083	0.305	0.1716	0.1815	1.91E+00	3.35E-01	9.81E-06	9.21E-03	2.60E-02	2.87E-02	1.22E+00	1.23E+00	2.29E+00
5224	480863.09	3865377.25	0.27161	0.18744	0.08785	0.26783	0.082	0.316	0.1762	0.18744	1.89E+00	3.46E-01	9.15E-06	9.43E-03	2.56E-02	2.97E-02	1.25E+00	1.27E+00	2.28E+00
5225	481363.09	3865377.25	0.26327	0.19481	0.0944	0.28142	0.08	0.334	0.1844	0.19481	1.84E+00	3.60E-01	9.83E-06	9.90E-03	2.49E-02	3.14E-02	1.31E+00	1.32E+00	2.24E+00
5226	481863.09	3865377.25	0.28621	0.19558	0.0916	0.25602	0.071	0.358	0.1854	0.19558	2.00E+00	3.61E-01	9.54E-06	9.01E-03	2.22E-02	3.36E-02	1.31E+00	1.33E+00	2.41E+00
5227	482363.09	3865377.25	0.28388	0.1951	0.10246	0.2472	0.081	0.35	0.1843	0.1951	1.98E+00	3.60E-01	1.07E-05	8.70E-03	2.55E-02	3.29E-02	1.31E+00	1.33E+00	2.39E+00
5228	482863.09	3865377.25	0.26859	0.20615	0.09106	0.25835	0.065	0.335	0.1932	0.20615	1.87E+00	3.81E-01	9.48E-06	9.09E-03	2.05E-02	3.15E-02	1.37E+00	1.40E+00	2.28E+00
5229	483363.09	3865377.25	0.26923	0.21222	0.07353	0.27328	0.049	0.312	0.1963	0.21222	1.88E+00	3.92E-01	7.65E-06	9.62E-03	1.52E-02	2.93E-02	1.39E+00	1.44E+00	2.27E+00
5230	483863.09	3865377.25	0.25946	0.21306	0.06807	0.28341	0.057	0.301	0.2029	0.21306	1.81E+00	3.94E-01	7.09E-06	9.97E-03	1.78E-02	2.83E-02	1.44E+00	1.45E+00	2.25E+00
5231	484363.09	3865377.25	0.23295	0.2088	0.07372	0.27687	0.05	0.301	0.2087	0.2088	1.62E+00	3.86E-01	7.67E-06	9.74E-03	1.57E-02	2.83E-02	1.48E+00	1.42E+00	2.12E+00
5232	484863.09	3865377.25	0.19545	0.2113	0.07939	0.26559	0.043	0.28	0.2126	0.2113	1.36E+00	3.90E-01	8.26E-06	9.35E-03	1.36E-02	2.63E-02	1.51E+00	1.44E+00	1.87E+00
5233	485363.09	3865377.25	0.17652	0.2184	0.05213	0.2854	0.037	0.294	0.2207	0.2184	1.23E+00	4.03E-01	5.43E-06	1.00E-02	1.14E-02	2.77E-02	1.56E+00	1.49E+00	1.76E+00
5234	485863.09	3865377.25	0.18091	0.21915	0.05675	0.2672	0.046	0.298	0.2198	0.21915	1.26E+00	4.05E-01	5.91E-06	9.40E-03	1.43E-02	2.80E-02	1.56E+00	1.49E+00	1.78E+00
5235	486363.09	3865377.25	0.16669	0.22436	0.04514	0.24668	0.036	0.25	0.2243	0.22436	1.16E+00	4.14E-01	4.70E-06	8.68E-03	1.14E-02	2.35E-02	1.59E+00	1.53E+00	1.68E+00
5236	486863.09	3865377.25	0.12024	0.22789	0.05231	0.24006	0.039	0.2	0.2295	0.22789	8.38E-01	4.21E-01	5.45E-06	8.45E-03	1.23E-02	1.88E-02	1.63E+00	1.55E+00	1.37E+00
5237	487363.09	3865377.25	0.12554	0.23502	0.10362	0.21554	0.044	0.205	0.2382	0.23502	8.75E-01	4.34E-01	1.08E-05	7.59E-03	1.37E-02	1.93E-02	1.69E+00	1.60E+00	1.44E+00
5238	487863.09	3865377.25	0.15174	0.24601	0.06998	0.20422	0.042	0.212	0.2425	0.24601	1.06E+00	4.54E-01	7.29E-06	7.19E-03	1.30E-02	2.00E-02	1.72E+00	1.67E+00	1.60E+00
5239	488363.09	3865377.25	0.13796	0.25574	0.06067	0.19931	0.034	0.232	0.2527	0.25574	9.62E-01	4.72E-01	6.32E-06	7.01E-03	1.07E-02	2.19E-02	1.79E+00	1.74E+00	1.52E+00
5240	488863.09	3865377.25	0.14663	0.27186	0.04816	0.14124	0.024	0.241	0.2652	0.27186	1.02E+00	5.02E-01	5.01E-06	4.97E-03	7.46E-03	2.26E-02	1.88E+00	1.85E+00	1.59E+00
5241	489363.09	3865377.25	0.16711	0.26982	0.05155	0.15124	0.028	0.253	0.2701	0.26982	1.17E+00	4.98E-01	5.37E-06	5.32E-03	8.91E-03	2.38E-02	1.91E+00	1.83E+00	1.78E+00
5242	489863.09	3865377.25	0.17038	0.27958	0.05783	0.15566	0.023	0.246	0.279	0.27958	1.19E+00	5.16E-01	6.02E-06	5.48E-03	7.07E-03	2.31E-02	1.98E+00	1.90E+00	1.82E+00
5243	490363.09	3865377.25	0.21922	0.26387	0.06501	0.14479	0.027	0.269	0.2533	0.26387	1.53E+00	4.87E-01	6.77E-06	5.10E-03	8.45E-03	2.53E-02	1.80E+00	1.79E+00	2.06E+00
5244	490863.09	3865377.25	0.24979	0.24239	0.05407	0.18363	0.044	0.324	0.2283	0.24239	1.74E+00	4.48E-01	5.63E-06	6.46E-03	1.37E-02	3.04E-02	1.62E+00	1.65E+00	2.21E+00
5245	491363.09	3865377.25	0.32188	0.22619	0.04508	0.28058	0.041	0.413	0.2125	0.22619	2.24E+00	4.18E-01	4.69E-06	9.88E-03	1.28E-02	3.88E-02	1.51E+00	1.54E+00	2.69E+00
5246	491863.09	3865377.25	0.31057	0.2161	0.05057	0.30295	0.054	0.357	0.2221	0.2161	2.17E+00	3.99E-01	5.26E-06	1.07E-02	1.71E-02	3.35E-02	1.57E+00	1.47E+00	2.73E+00
5247	492363.09	3865377.25	0.30746	0.16441	0.04208	0.25236	0.047	0.302	0.1812	0.16441	2.14E+00	3.04E-01	4.38E-06	8.88E-03	1.48E-02	2.84E-02	1.28E+00	1.12E+00	2.67E+00

5248	492863.09	3865377.25	0.25042	0.14095	0.0495	0.22272	0.072	0.218	0.1595	0.14095	1.75E+00	2.60E-01	5.15E-06	7.84E-03	2.26E-02	2.05E-02	1.13E+00	9.58E-01	2.23E+00
5249	493363.09	3865377.25	0.18427	0.11046	0.03866	0.17319	0.073	0.153	0.1316	0.11046	1.28E+00	2.04E-01	4.02E-06	6.10E-03	2.30E-02	1.44E-02	9.33E-01	7.51E-01	1.71E+00
5250	493863.09	3865377.25	0.21602	0.13407	0.04353	0.24049	0.093	0.227	0.1431	0.13407	1.51E+00	2.48E-01	4.53E-06	8.46E-03	2.92E-02	2.13E-02	1.01E+00	9.12E-01	1.91E+00
5251	494363.09	3865377.25	0.21262	0.18081	0.08375	0.26764	0.097	0.288	0.1611	0.18081	1.48E+00	3.34E-01	8.72E-06	9.42E-03	3.04E-02	2.71E-02	1.14E+00	1.23E+00	1.80E+00
5252	494863.09	3865377.25	0.26185	0.20416	0.07306	0.26644	0.08	0.259	0.194	0.20416	1.83E+00	3.77E-01	7.61E-06	9.38E-03	2.50E-02	2.44E-02	1.37E+00	1.39E+00	2.25E+00
5253	495363.09	3865377.25	0.25575	0.20629	0.04286	0.26428	0.108	0.275	0.2055	0.20629	1.78E+00	3.81E-01	4.46E-06	9.30E-03	3.37E-02	2.59E-02	1.46E+00	1.40E+00	2.29E+00
5254	495863.09	3865377.25	0.24759	0.22605	0.04233	0.2607	0.148	0.267	0.2164	0.22605	1.73E+00	4.17E-01	4.41E-06	9.18E-03	4.63E-02	2.51E-02	1.53E+00	1.54E+00	2.22E+00
5255	496363.09	3865377.25	0.22823	0.21158	0.04572	0.26515	0.145	0.312	0.1871	0.21158	1.59E+00	3.91E-01	4.76E-06	9.33E-03	4.53E-02	2.93E-02	1.33E+00	1.44E+00	1.95E+00
5256	496863.09	3865377.25	0.22634	0.18835	0.04874	0.2592	0.125	0.295	0.1728	0.18835	1.58E+00	3.48E-01	5.07E-06	9.12E-03	3.93E-02	2.78E-02	1.22E+00	1.28E+00	1.95E+00
5257	497363.09	3865377.25	0.26143	0.26213	0.05196	0.24068	0.137	0.258	0.249	0.26213	1.82E+00	4.84E-01	5.41E-06	8.47E-03	4.29E-02	2.43E-02	1.76E+00	1.78E+00	2.36E+00
5258	497863.09	3865377.25	0.20839	0.30704	0.05412	0.29345	0.206	0.261	0.2789	0.30704	1.45E+00	5.67E-01	5.63E-06	1.03E-02	6.45E-02	2.45E-02	1.98E+00	2.09E+00	2.01E+00
5259	498363.09	3865377.25	0.21767	0.26122	0.05633	0.23107	0.228	0.253	0.2512	0.26122	1.52E+00	4.82E-01	5.86E-06	8.13E-03	7.16E-02	2.38E-02	1.78E+00	1.78E+00	2.11E+00
5260	471363.09	3865877.25	0.28544	0.14268	0.07045	0.20512	0.14	0.224	0.1324	0.14268	1.99E+00	2.64E-01	7.33E-06	7.22E-03	4.37E-02	2.10E-02	9.38E-01	9.70E-01	2.29E+00
5261	471863.09	3865877.25	0.28417	0.1437	0.077	0.207	0.164	0.236	0.1342	0.1437	1.98E+00	2.65E-01	8.02E-06	7.29E-03	5.13E-02	2.22E-02	9.51E-01	9.77E-01	2.30E+00
5262	472363.09	3865877.25	0.27045	0.14574	0.08492	0.20411	0.148	0.249	0.1359	0.14574	1.89E+00	2.69E-01	8.84E-06	7.18E-03	4.63E-02	2.34E-02	9.63E-01	9.91E-01	2.20E+00
5263	472863.09	3865877.25	0.25871	0.147	0.08627	0.20367	0.148	0.246	0.1378	0.147	1.80E+00	2.71E-01	8.98E-06	7.17E-03	4.64E-02	2.32E-02	9.76E-01	1.00E+00	2.13E+00
5264	473363.09	3865877.25	0.24839	0.14739	0.09174	0.20161	0.128	0.242	0.1384	0.14739	1.73E+00	2.72E-01	9.55E-06	7.10E-03	4.00E-02	2.28E-02	9.81E-01	1.00E+00	2.05E+00
5265	473863.09	3865877.25	0.24224	0.14688	0.09621	0.19861	0.143	0.247	0.1411	0.14688	1.69E+00	2.71E-01	1.00E-05	6.99E-03	4.47E-02	2.33E-02	1.00E+00	9.99E-01	2.04E+00
5266	474363.09	3865877.25	0.25426	0.14977	0.08692	0.19824	0.193	0.256	0.144	0.14977	1.77E+00	2.77E-01	9.05E-06	6.98E-03	6.04E-02	2.41E-02	1.02E+00	1.02E+00	2.14E+00
5267	474863.09	3865877.25	0.27354	0.1536	0.0994	0.19751	0.211	0.251	0.1484	0.1536	1.91E+00	2.84E-01	1.03E-05	6.95E-03	6.62E-02	2.36E-02	1.05E+00	1.04E+00	2.29E+00
5268	475363.09	3865877.25	0.28581	0.1564	0.09478	0.19951	0.231	0.242	0.1516	0.1564	1.99E+00	2.89E-01	9.87E-06	7.02E-03	7.23E-02	2.28E-02	1.07E+00	1.06E+00	2.39E+00
5269	475863.09	3865877.25	0.28889	0.15554	0.08352	0.19979	0.173	0.248	0.1507	0.15554	2.01E+00	2.87E-01	8.69E-06	7.03E-03	5.43E-02	2.33E-02	1.07E+00	1.06E+00	2.40E+00
5270	476363.09	3865877.25	0.30433	0.16277	0.08211	0.21342	0.204	0.264	0.1532	0.16277	2.12E+00	3.01E-01	8.55E-06	7.51E-03	6.40E-02	2.48E-02	1.09E+00	1.11E+00	2.50E+00
5271	476863.09	3865877.25	0.32265	0.17218	0.0903	0.22162	0.155	0.284	0.161	0.17218	2.25E+00	3.18E-01	9.40E-06	7.80E-03	4.86E-02	2.67E-02	1.14E+00	1.17E+00	2.62E+00
5272	477363.09	3865877.25	0.32192	0.16524	0.12764	0.24411	0.147	0.275	0.1527	0.16524	2.24E+00	3.05E-01	1.33E-05	8.59E-03	4.59E-02	2.59E-02	1.08E+00	1.12E+00	2.59E+00
5273	477863.09	3865877.25	0.32189	0.16105	0.10049	0.24631	0.092	0.262	0.1531	0.16105	2.24E+00	2.97E-01	1.05E-05	8.67E-03	2.89E-02	2.46E-02	1.08E+00	1.10E+00	2.59E+00
5274	478363.09	3865877.25	0.29874	0.16313	0.09948	0.24427	0.094	0.263	0.1564	0.16313	2.08E+00	3.01E-01	1.04E-05	8.60E-03	2.93E-02	2.48E-02	1.11E+00	1.11E+00	2.45E+00
5275	478863.09	3865877.25	0.28216	0.16515	0.09894	0.23462	0.12	0.27	0.1575	0.16515	1.97E+00	3.05E-01	1.03E-05	8.26E-03	3.77E-02	2.54E-02	1.12E+00	1.12E+00	2.34E+00
5276	479363.09	3865877.25	0.27541	0.17112	0.10923	0.2285	0.08	0.275	0.1581	0.17112	1.92E+00	3.16E-01	1.14E-05	8.04E-03	2.49E-02	2.58E-02	1.12E+00	1.16E+00	2.25E+00
5277	479863.09	3865877.25	0.25015	0.16954	0.0868	0.24555	0.079	0.276	0.1611	0.16954	1.74E+00	3.13E-01	9.04E-06	8.64E-03	2.49E-02	2.59E-02	1.14E+00	1.15E+00	2.11E+00
5278	480363.09	3865877.25	0.24053	0.17198	0.07796	0.25479	0.077	0.283	0.1615	0.17198	1.68E+00	3.18E-01	8.12E-06	8.97E-03	2.41E-02	2.66E-02	1.14E+00	1.17E+00	2.03E+00
5279	480863.09	3865877.25	0.24237	0.17586	0.0735	0.23745	0.063	0.304	0.1643	0.17586	1.69E+00	3.25E-01	7.65E-06	8.36E-03	1.96E-02	2.86E-02	1.16E+00	1.20E+00	2.04E+00
5280	481363.09	3865877.25	0.25172	0.18078	0.0878	0.22905	0.069	0.315	0.1724	0.18078	1.75E+00	3.34E-01	9.14E-06	8.06E-03	2.16E-02	2.96E-02	1.22E+00	1.23E+00	2.14E+00
5281	481863.09	3865877.25	0.24763	0.18224	0.09189	0.22605	0.073	0.312	0.1765	0.18224	1.73E+00	3.37E-01	9.57E-06	7.96E-03	2.28E-02	2.94E-02	1.25E+00	1.24E+00	2.13E+00
5282	482363.09	3865877.25	0.25215	0.18902	0.07447	0.23203	0.074	0.299	0.1797	0.18902	1.76E+00	3.49E-01	7.75E-06	8.17E-03	2.31E-02	2.81E-02	1.27E+00	1.29E+00	2.15E+00
5283	482863.09	3865877.25	0.23303	0.19251	0.07149	0.24591	0.04	0.289	0.1827	0.19251	1.62E+00	3.56E-01	7.44E-06	8.66E-03	1.26E-02	2.72E-02	1.29E+00	1.31E+00	2.01E+00
5284	483363.09	3865877.25	0.22978	0.19841	0.06686	0.25156	0.05	0.281	0.1879	0.19841	1.60E+00	3.66E-01	6.96E-06	8.85E-03	1.56E-02	2.64E-02	1.33E+00	1.35E+00	2.00E+00
5285	483863.09	3865877.25	0.2265	0.20142	0.0572	0.24369	0.057	0.281	0.1945	0.20142	1.58E+00	3.72E-01	5.95E-06	8.58E-03	1.78E-02	2.64E-02	1.38E+00	1.37E+00	2.01E+00
5286	484363.09	3865877.25	0.19187	0.20026	0.0707	0.22033	0.043	0.277	0.1958	0.20026	1.34E+00	3.70E-01	7.36E-06	7.75E-03	1.34E-02	2.61E-02	1.39E+00	1.36E+00	1.78E+00
5287	484863.09	3865877.25	0.15463	0.20278	0.05834	0.23423	0.028	0.283	0.2001	0.20278	1.08E+00	3.75E-01	6.07E-06	8.24E-03	8.80E-03	2.66E-02	1.42E+00	1.38E+00	1.53E+00
5288	485363.09	3865877.25	0.15912	0.20819	0.04702	0.23173	0.035	0.27	0.2063	0.20819	1.11E+00	3.85E-01	4.90E-06	8.16E-03	1.08E-02	2.54E-02	1.46E+00	1.42E+00	1.58E+00
5289	485863.09	3865877.25	0.17208	0.2035	0.0481	0.22163	0.039	0.221	0.2072	0.2035	1.20E+00	3.76E-01	5.01E-06	7.80E-03	1.22E-02	2.08E-02	1.47E+00	1.38E+00	1.70E+00
5290	486363.09	3865877.25	0.11613	0.20513	0.04224	0.20904	0.036	0.194	0.2105	0.20513	8.10E-01	3.79E-01	4.40E-06	7.36E-03	1.13E-02	1.82E-02	1.49E+00	1.39E+00	1.32E+00
5291	486863.09	3865877.25	0.09884	0.21396	0.05177	0.19592	0.037	0.189	0.218	0.21396	6.89E-01	3.95E-01	5.39E-06	6.90E-03	1.16E-02	1.77E-02	1.54E+00	1.45E+00	1.21E+00
5292	487363.09	3865877.25	0.11356	0.21491	0.08481	0.18187	0.04	0.188	0.2197	0.21491	7.92E-01	3.97E-01	8.83E-06	6.40E-03	1.26E-02	1.77E-02	1.56E+00	1.46E+00	1.32E+00
5293	487863.09	3865877.25	0.12132	0.2277	0.05317	0.18085	0.039	0.199	0.2238	0.2277	8.46E-01	4.21E-01	5.54E-06	6.37E-03	1.23E-02	1.87E-02	1.59E+00	1.55E+00	1.34E+00
5294	488363.09	3865877.25	0.13445	0.2367	0.05203	0.15849	0.031	0.204	0.2379	0.2367	9.37E-01	4.37E-01	5.42E-06	5.58E-03	9.86E-03	1.92E-02	1.69E+00	1.61E+00	1.48E+00
5295	488863.09	3865877.25	0.1239	0.24988	0.04491	0.11782	0.021	0.217	0.2415	0.24988	8.64E-01	4.62E-01	4.68E-06	4.15E-03	6.58E-03	2.04E-02	1.71E+00	1.70E+00	1.37E+00
5296	489363.09	3865877.25	0.13718	0.25479	0.04583	0.12693	0.025	0.231	0.2472	0.25479	9.56E-01	4.71E-01	4.77E-06	4.47E-03	7.93E-03	2.17E-02	1.75E+00	1.73E+00	1.48E+00
5297	489863.09	3865877.25	0.15655	0.26427	0.05185	0.13745	0.022	0.221	0.2639	0.26427	1.09E+00	4.88E-01	5.40E-06	4.84E-03	7.03E-03	2.08E-02	1.87E+00	1.80E+00	1.68E+00
5298	490363.09	3865877.25	0.15011	0.27296	0.06232	0.13574	0.02	0.222	0.2575	0.27296	1.05E+00	5.04E-01	6.49E-06	4.78E-03	6.41E-03	2.09E-02	1.82E+00	1.86E+00	1.55E+00
5299	490863.09	3865877.25	0.20273	0.23654	0.05978	0.13621	0.039	0.281	0.2208	0.23654	1.41E+00	4.37E-01	6.22E-06	4.79E-03	1.22E-02	2.64E-02	1.56E+00	1.61E+00	1.85E+00
5300	491363.09	3865877.25	0.26139	0.20448	0.04315	0.19607	0.028	0.353	0.1896	0.20448	1.82E+00	3.78E-01	4.49E-06	6.90E-03	8.71E-03	3.32E-02	1.34E+00	1.39E+00	2.20E+00
5301	491863.09	3865877.25	0.29154	0.19473	0.04043	0.25069	0.033	0.328	0.1937	0.19473	2.03E+00	3.60E-01	4.21E-06	8.82E-03	1.02E-02	3.08E-02	1.37E+00	1.32E+00	2.49E+00
5302	492363.09	3865877.25	0.29499	0.16762	0.04188	0.23145	0.059	0.301	0.1822	0.16762	2.06E+00	3.10E-01	4.36E-06	8.15E-03	1.85E-02	2.83E-02	1.29E+00	1.14E+00	2.57E+00
5303	492863.09	3865877.25	0.25176	0.13098	0.04047	0.22566	0.051	0.231	0.1445	0.13098	1.76E+00	2.42E-01	4.21E-06	7.94E-03	1.58E-02	2.17E-02	1.02E+00	8.91E-01	2.18E+00
5304	493363.09	3865877.25	0.19636	0.12437	0.0447	0.20872	0.068	0.189	0.1458	0.12437	1.37E+00	2.30E-01	4.65E-06	7.35E-03	2.13E-02	1.78E-02	1.03E+00	8.46E-01	1.83E+00
5305	493863.09	3865877.25	0.18846	0.13277	0.03632	0.22284	0.072	0.209	0.1461	0.13277	1.31E+00	2.45E-01	3.78E-06	7.84E-03	2.25E-02	1.96E-02	1.03E+00	9.03E-01	1.74E+00
5306	494363.09	3865877.25	0.23115	0.14076	0.05343	0.25608	0.091	0.244	0.1437	0.14076	1.61E+00	2.60E-01	5.56E-06	9.01E-03	2.84E-02	2.29E-02	1.02E+00	9.57E-01	1.99E+00

5307	494863.09	3865877.25	0.19235	0.19723	0.07864	0.24905	0.101	0.264	0.1758	0.19723	1.34E+00	3.64E-01	8.19E-06	8.77E-03	3.17E-02	2.48E-02	1.25E+00	1.34E+00	1.67E+00
5308	495363.09	3865877.25	0.1983	0.20041	0.06669	0.24323	0.11	0.219	0.1926	0.20041	1.38E+00	3.70E-01	6.94E-06	8.56E-03	3.45E-02	2.06E-02	1.36E+00	1.36E+00	1.82E+00
5309	495863.09	3865877.25	0.22319	0.18977	0.03342	0.23287	0.096	0.236	0.18	0.18977	1.56E+00	3.50E-01	3.48E-06	8.20E-03	3.01E-02	2.21E-02	1.28E+00	1.29E+00	1.95E+00
5310	496363.09	3865877.25	0.21959	0.1682	0.03741	0.21229	0.11	0.236	0.1724	0.1682	1.53E+00	3.11E-01	3.89E-06	7.47E-03	3.43E-02	2.22E-02	1.22E+00	1.14E+00	1.98E+00
5311	496863.09	3865877.25	0.222	0.12404	0.04193	0.21462	0.111	0.233	0.1272	0.12404	1.55E+00	2.29E-01	4.37E-06	7.55E-03	3.47E-02	2.19E-02	9.01E-01	8.43E-01	1.90E+00
5312	497363.09	3865877.25	0.21278	0.14372	0.0445	0.21593	0.109	0.278	0.1415	0.14372	1.48E+00	2.65E-01	4.63E-06	7.60E-03	3.40E-02	2.61E-02	1.00E+00	9.77E-01	1.84E+00
5313	497863.09	3865877.25	0.23477	0.18842	0.04757	0.20567	0.112	0.246	0.1655	0.18842	1.64E+00	3.48E-01	4.95E-06	7.24E-03	3.51E-02	2.32E-02	1.17E+00	1.28E+00	1.94E+00
5314	498363.09	3865877.25	0.19696	0.17112	0.04726	0.22216	0.144	0.238	0.1665	0.17112	1.37E+00	3.16E-01	4.92E-06	7.82E-03	4.50E-02	2.24E-02	1.18E+00	1.16E+00	1.78E+00
5315	471363.09	3866377.25	0.2622	0.14008	0.08019	0.18695	0.133	0.229	0.1334	0.14008	1.83E+00	2.59E-01	8.35E-06	6.58E-03	4.17E-02	2.15E-02	9.45E-01	9.53E-01	2.15E+00
5316	471863.09	3866377.25	0.25241	0.14196	0.07802	0.18242	0.136	0.224	0.1353	0.14196	1.76E+00	2.62E-01	8.12E-06	6.42E-03	4.25E-02	2.11E-02	9.59E-01	9.65E-01	2.09E+00
5317	472363.09	3866377.25	0.237	0.14167	0.08417	0.17943	0.129	0.228	0.1372	0.14167	1.65E+00	2.62E-01	8.76E-06	6.32E-03	4.06E-02	2.14E-02	9.72E-01	9.63E-01	1.99E+00
5318	472863.09	3866377.25	0.22099	0.14272	0.09245	0.17398	0.13	0.231	0.1366	0.14272	1.54E+00	2.64E-01	9.62E-06	6.12E-03	4.07E-02	2.17E-02	9.68E-01	9.70E-01	1.87E+00
5319	473363.09	3866377.25	0.23413	0.14387	0.09161	0.17152	0.152	0.227	0.1384	0.14387	1.63E+00	2.66E-01	9.54E-06	6.04E-03	4.75E-02	2.13E-02	9.80E-01	9.78E-01	1.97E+00
5320	473863.09	3866377.25	0.23426	0.14618	0.08323	0.17899	0.177	0.232	0.1391	0.14618	1.63E+00	2.70E-01	8.66E-06	6.30E-03	5.56E-02	2.18E-02	9.86E-01	9.94E-01	1.98E+00
5321	474363.09	3866377.25	0.24782	0.14608	0.0838	0.18231	0.214	0.236	0.1401	0.14608	1.73E+00	2.70E-01	8.72E-06	6.42E-03	6.71E-02	2.22E-02	9.93E-01	9.93E-01	2.09E+00
5322	474863.09	3866377.25	0.25964	0.14724	0.08293	0.18743	0.194	0.24	0.1427	0.14724	1.81E+00	2.72E-01	8.63E-06	6.60E-03	6.09E-02	2.26E-02	1.01E+00	1.00E+00	2.18E+00
5323	475363.09	3866377.25	0.25276	0.14894	0.07954	0.19666	0.161	0.239	0.1443	0.14894	1.76E+00	2.75E-01	8.28E-06	6.92E-03	5.05E-02	2.25E-02	1.02E+00	1.01E+00	2.13E+00
5324	475863.09	3866377.25	0.25913	0.15021	0.10129	0.21145	0.176	0.244	0.1442	0.15021	1.81E+00	2.77E-01	1.05E-05	7.44E-03	5.50E-02	2.29E-02	1.02E+00	1.02E+00	2.17E+00
5325	476363.09	3866377.25	0.2829	0.15357	0.09358	0.22275	0.137	0.252	0.1489	0.15357	1.97E+00	2.84E-01	9.74E-06	7.84E-03	4.28E-02	2.37E-02	1.06E+00	1.04E+00	2.34E+00
5326	476863.09	3866377.25	0.28497	0.15423	0.08683	0.23542	0.102	0.257	0.1506	0.15423	1.99E+00	2.85E-01	9.04E-06	8.29E-03	3.20E-02	2.42E-02	1.07E+00	1.05E+00	2.35E+00
5327	477363.09	3866377.25	0.30695	0.16163	0.08224	0.23537	0.088	0.257	0.1505	0.16163	2.14E+00	2.99E-01	8.56E-06	8.28E-03	2.77E-02	2.42E-02	1.07E+00	1.10E+00	2.47E+00
5328	477863.09	3866377.25	0.27445	0.15477	0.08067	0.21626	0.083	0.25	0.1494	0.15477	1.91E+00	2.86E-01	8.40E-06	7.61E-03	2.60E-02	2.35E-02	1.06E+00	1.05E+00	2.26E+00
5329	478363.09	3866377.25	0.2541	0.15567	0.08123	0.21488	0.109	0.25	0.1509	0.15567	1.77E+00	2.88E-01	8.46E-06	7.56E-03	3.40E-02	2.35E-02	1.07E+00	1.06E+00	2.13E+00
5330	478863.09	3866377.25	0.24226	0.15822	0.08643	0.2234	0.073	0.255	0.1524	0.15822	1.69E+00	2.92E-01	9.00E-06	7.86E-03	2.29E-02	2.39E-02	1.08E+00	1.08E+00	2.04E+00
5331	479363.09	3866377.25	0.23685	0.16165	0.08905	0.23017	0.074	0.271	0.1553	0.16165	1.65E+00	2.99E-01	9.27E-06	8.10E-03	2.33E-02	2.55E-02	1.10E+00	1.10E+00	2.01E+00
5332	479863.09	3866377.25	0.22097	0.16506	0.06953	0.23091	0.07	0.272	0.1579	0.16506	1.54E+00	3.05E-01	7.24E-06	8.13E-03	2.19E-02	2.56E-02	1.12E+00	1.12E+00	1.90E+00
5333	480363.09	3866377.25	0.23339	0.16759	0.06818	0.22194	0.06	0.281	0.1589	0.16759	1.63E+00	3.10E-01	7.10E-06	7.81E-03	1.88E-02	2.64E-02	1.13E+00	1.14E+00	1.98E+00
5334	480863.09	3866377.25	0.23079	0.16743	0.06343	0.20795	0.066	0.277	0.1607	0.16743	1.61E+00	3.09E-01	6.60E-06	7.32E-03	2.07E-02	2.61E-02	1.14E+00	1.14E+00	1.97E+00
5335	481363.09	3866377.25	0.21006	0.17076	0.08129	0.2105	0.063	0.28	0.162	0.17076	1.46E+00	3.15E-01	8.46E-06	7.41E-03	1.98E-02	2.63E-02	1.15E+00	1.16E+00	1.82E+00
5336	481863.09	3866377.25	0.23727	0.17297	0.06895	0.21715	0.072	0.248	0.1665	0.17297	1.65E+00	3.19E-01	7.18E-06	7.64E-03	2.25E-02	2.33E-02	1.18E+00	1.18E+00	2.03E+00
5337	482363.09	3866377.25	0.22972	0.17588	0.06113	0.21838	0.043	0.27	0.1698	0.17588	1.60E+00	3.25E-01	6.36E-06	7.69E-03	1.34E-02	2.53E-02	1.20E+00	1.20E+00	1.98E+00
5338	482863.09	3866377.25	0.21306	0.17937	0.07174	0.2154	0.041	0.276	0.1747	0.17937	1.49E+00	3.31E-01	7.47E-06	7.58E-03	1.27E-02	2.60E-02	1.24E+00	1.22E+00	1.88E+00
5339	483363.09	3866377.25	0.21296	0.18987	0.05522	0.21006	0.051	0.268	0.1842	0.18987	1.48E+00	3.51E-01	5.75E-06	7.39E-03	1.59E-02	2.52E-02	1.30E+00	1.29E+00	1.90E+00
5340	483863.09	3866377.25	0.1918	0.19655	0.05593	0.20208	0.045	0.262	0.1891	0.19655	1.34E+00	3.63E-01	5.82E-06	7.11E-03	1.40E-02	2.46E-02	1.34E+00	1.34E+00	1.75E+00
5341	484363.09	3866377.25	0.15497	0.19188	0.06564	0.19846	0.041	0.26	0.1902	0.19188	1.08E+00	3.54E-01	6.83E-06	6.99E-03	1.28E-02	2.45E-02	1.35E+00	1.30E+00	1.52E+00
5342	484863.09	3866377.25	0.1307	0.1909	0.05061	0.20354	0.025	0.235	0.1904	0.1909	9.11E-01	3.53E-01	5.27E-06	7.16E-03	7.94E-03	2.21E-02	1.35E+00	1.30E+00	1.35E+00
5343	485363.09	3866377.25	0.15229	0.19389	0.05285	0.20218	0.035	0.21	0.1945	0.19389	1.06E+00	3.58E-01	5.50E-06	7.12E-03	1.11E-02	1.97E-02	1.38E+00	1.32E+00	1.52E+00
5344	485863.09	3866377.25	0.13176	0.19696	0.04103	0.19184	0.035	0.203	0.1998	0.19696	9.19E-01	3.64E-01	4.27E-06	6.75E-03	1.09E-02	1.91E-02	1.42E+00	1.34E+00	1.40E+00
5345	486363.09	3866377.25	0.10045	0.19578	0.04216	0.17209	0.033	0.173	0.2007	0.19578	7.00E-01	3.62E-01	4.39E-06	6.06E-03	1.04E-02	1.63E-02	1.42E+00	1.33E+00	1.19E+00
5346	486863.09	3866377.25	0.08569	0.19885	0.04836	0.17212	0.035	0.168	0.2019	0.19885	5.97E-01	3.67E-01	5.03E-06	6.06E-03	1.09E-02	1.58E-02	1.43E+00	1.35E+00	1.08E+00
5347	487363.09	3866377.25	0.09858	0.20794	0.0665	0.15982	0.038	0.179	0.2111	0.20794	6.87E-01	3.84E-01	6.92E-06	5.63E-03	1.18E-02	1.68E-02	1.50E+00	1.41E+00	1.19E+00
5348	487863.09	3866377.25	0.10497	0.21361	0.04644	0.15459	0.037	0.18	0.2124	0.21361	7.32E-01	3.95E-01	4.83E-06	5.44E-03	1.17E-02	1.69E-02	1.50E+00	1.45E+00	1.21E+00
5349	488363.09	3866377.25	0.13163	0.22392	0.04704	0.1077	0.029	0.18	0.222	0.22392	9.18E-01	4.14E-01	4.90E-06	3.79E-03	9.18E-03	1.69E-02	1.57E+00	1.52E+00	1.41E+00
5350	488863.09	3866377.25	0.11238	0.22666	0.04335	0.09453	0.02	0.188	0.2172	0.22666	7.83E-01	4.19E-01	4.51E-06	3.33E-03	6.20E-03	1.77E-02	1.54E+00	1.54E+00	1.23E+00
5351	489363.09	3866377.25	0.12943	0.23591	0.04271	0.09431	0.023	0.195	0.222	0.23591	9.02E-01	4.36E-01	4.45E-06	3.32E-03	7.21E-03	1.84E-02	1.57E+00	1.60E+00	1.34E+00
5352	489863.09	3866377.25	0.14836	0.19074	0.03913	0.09463	0.025	0.203	0.1858	0.19074	1.03E+00	3.52E-01	4.07E-06	3.33E-03	7.92E-03	1.91E-02	1.32E+00	1.30E+00	1.44E+00
5353	490363.09	3866377.25	0.12263	0.24138	0.04527	0.11892	0.018	0.195	0.2374	0.24138	8.55E-01	4.46E-01	4.71E-06	4.19E-03	5.49E-03	1.83E-02	1.68E+00	1.64E+00	1.37E+00
5354	490863.09	3866377.25	0.16502	0.26496	0.06239	0.13124	0.021	0.23	0.2421	0.26496	1.15E+00	4.89E-01	6.50E-06	4.62E-03	6.63E-03	2.16E-02	1.72E+00	1.80E+00	1.59E+00
5355	491363.09	3866377.25	0.1988	0.24328	0.04009	0.13907	0.03	0.275	0.2273	0.24328	1.39E+00	4.49E-01	4.17E-06	4.89E-03	9.44E-03	2.58E-02	1.61E+00	1.65E+00	1.83E+00
5356	491863.09	3866377.25	0.26943	0.16949	0.03923	0.16515	0.024	0.314	0.1721	0.16949	1.88E+00	3.13E-01	4.08E-06	5.81E-03	7.38E-03	2.95E-02	1.22E+00	1.15E+00	2.30E+00
5357	492363.09	3866377.25	0.24475	0.16607	0.0363	0.19363	0.038	0.263	0.1693	0.16607	1.71E+00	3.07E-01	3.78E-06	6.82E-03	1.19E-02	2.47E-02	1.20E+00	1.13E+00	2.13E+00
5358	492863.09	3866377.25	0.24553	0.14173	0.03672	0.20541	0.036	0.207	0.1486	0.14173	1.71E+00	2.62E-01	3.82E-06	7.23E-03	1.13E-02	1.95E-02	1.05E+00	9.64E-01	2.10E+00
5359	493363.09	3866377.25	0.24598	0.13336	0.0391	0.22948	0.093	0.217	0.1515	0.13336	1.71E+00	2.46E-01	4.07E-06	8.08E-03	2.91E-02	2.04E-02	1.07E+00	9.07E-01	2.18E+00
5360	493863.09	3866377.25	0.19941	0.13331	0.04032	0.22681	0.064	0.238	0.1505	0.13331	1.39E+00	2.46E-01	4.20E-06	7.98E-03	2.01E-02	2.24E-02	1.07E+00	9.06E-01	1.85E+00
5361	494363.09	3866377.25	0.16893	0.1457	0.03989	0.27471	0.077	0.233	0.1588	0.1457	1.18E+00	2.69E-01	4.15E-06	9.67E-03	2.42E-02	2.19E-02	1.13E+00	9.91E-01	1.64E+00
5362	494863.09	3866377.25	0.19619	0.14604	0.05052	0.24206	0.086	0.204	0.1512	0.14604	1.37E+00	2.70E-01	5.26E-06	8.52E-03	2.71E-02	1.91E-02	1.07E+00	9.93E-01	1.77E+00
5363	495363.09	3866377.25	0.1692	0.16449	0.06491	0.20891	0.067	0.213	0.1497	0.16449	1.18E+00	3.04E-01	6.76E-06	7.35E-03	2.10E-02	2.00E-02	1.06E+00	1.12E+00	1.47E+00
5364	495863.09	3866377.25	0.15319	0.14761	0.06017	0.18815	0.05	0.189	0.1415	0.14761	1.07E+00	2.73E-01	6.26E-06	6.62E-03	1.56E-02	1.78E-02	1.00E+00	1.00E+00	1.38E+00
5365	496363.09	3866377.25	0.20147	0.1453	0.02939	0.18816	0.064	0.189	0.1298	0.1453	1.40E+00	2.68E-01	3.06E-06	6.62E-03	1.99E-02	1.78E-02	9.20E-01	9.88E-01	1.65E+00

5366	496863.09	3866377.25	0.19455	0.10825	0.03354	0.18321	0.082	0.185	0.1116	0.10825	1.36E+00	2.00E-01	3.49E-06	6.45E-03	2.57E-02	1.74E-02	7.90E-01	7.36E-01	1.66E+00
5367	497363.09	3866377.25	0.20998	0.09607	0.03901	0.18756	0.093	0.209	0.1058	0.09607	1.46E+00	1.77E-01	4.06E-06	6.60E-03	2.92E-02	1.97E-02	7.49E-01	6.53E-01	1.79E+00
5368	497863.09	3866377.25	0.20696	0.10555	0.03968	0.16459	0.082	0.221	0.1052	0.10555	1.44E+00	1.95E-01	4.13E-06	5.79E-03	2.56E-02	2.08E-02	7.46E-01	7.18E-01	1.72E+00
5369	498363.09	3866377.25	0.2081	0.1057	0.04295	0.14925	0.071	0.23	0.0767	0.1057	1.45E+00	1.95E-01	4.47E-06	5.25E-03	2.21E-02	2.16E-02	5.43E-01	7.19E-01	1.52E+00
5370	474494.92	3848334.16	0.30828	6.60307	0.05049	0.07719	0.115	0.087	6.6613	6.60307	2.15E+00	1.22E+01	5.26E-06	2.72E-03	3.60E-02	8.21E-03	4.72E+01	4.49E+01	1.67E+01
5371	475167.27	3848920.79	0.74756	7.87964	0.05295	0.07866	0.115	0.093	7.9309	7.87964	5.21E+00	1.46E+01	5.51E-06	2.77E-03	3.61E-02	8.71E-03	5.62E+01	5.36E+01	2.24E+01
5372	475297.89	3848997.96	0.7712	6.5207	0.05372	0.07935	0.117	0.094	6.5871	6.5207	5.38E+00	1.20E+01	5.59E-06	2.79E-03	3.65E-02	8.84E-03	4.67E+01	4.43E+01	1.98E+01
5373	475439.05	3849062	0.89971	7.47537	0.05477	0.08017	0.117	0.095	7.5494	7.47537	6.27E+00	1.38E+01	5.70E-06	2.82E-03	3.67E-02	8.91E-03	5.35E+01	5.08E+01	2.28E+01
5374	475486.86	3849061.09	0.78762	6.16184	0.0554	0.08193	0.119	0.094	6.2306	6.16184	5.49E+00	1.14E+01	5.77E-06	2.88E-03	3.73E-02	8.85E-03	4.41E+01	4.19E+01	1.92E+01
5375	475538.46	3849075.56	0.74883	6.43429	0.05592	0.08321	0.121	0.094	6.4947	6.43429	5.22E+00	1.19E+01	5.82E-06	2.93E-03	3.79E-02	8.84E-03	4.60E+01	4.38E+01	1.94E+01
5376	475751.79	3849137.15	0.63707	8.88702	0.0574	0.08974	0.127	0.093	9.1147	8.88702	4.44E+00	1.64E+01	5.98E-06	3.16E-03	3.97E-02	8.78E-03	6.46E+01	6.04E+01	2.51E+01
5377	476303.62	3849223.38	0.4399	9.25493	0.05674	0.09709	0.121	0.083	9.2984	9.25493	3.07E+00	1.71E+01	5.91E-06	3.42E-03	3.80E-02	7.79E-03	6.59E+01	6.29E+01	2.32E+01
5378	476304.51	3849238.92	0.49906	12.11742	0.0568	0.09783	0.123	0.083	12.156	12.11742	3.48E+00	2.24E+01	5.91E-06	3.44E-03	3.87E-02	7.82E-03	8.61E+01	8.24E+01	2.96E+01
5379	476365.04	3849247.98	0.49651	11.03456	0.05692	0.09658	0.121	0.083	11.129	11.03456	3.46E+00	2.04E+01	5.93E-06	3.40E-03	3.80E-02	7.82E-03	7.89E+01	7.50E+01	2.77E+01
5380	476444.86	3849267.13	0.49867	11.18462	0.05676	0.09505	0.122	0.083	11.34	11.18462	3.48E+00	2.07E+01	5.91E-06	3.35E-03	3.81E-02	7.79E-03	8.03E+01	7.61E+01	2.85E+01
5381	476550.75	3849300.66	0.53088	12.3823	0.05661	0.09371	0.12	0.083	12.702	12.3823	3.70E+00	2.29E+01	5.89E-06	3.30E-03	3.75E-02	7.84E-03	9.00E+01	8.42E+01	3.24E+01
5382	476656.71	3849346.88	0.59864	12.07104	0.05827	0.09479	0.119	0.086	12.281	12.07104	4.17E+00	2.23E+01	6.07E-06	3.34E-03	3.73E-02	8.12E-03	8.70E+01	8.21E+01	3.15E+01
5383	476873.55	3849454.53	0.87048	10.55903	0.06065	0.09614	0.123	0.089	10.655	10.55903	6.07E+00	1.95E+01	6.31E-06	3.38E-03	3.85E-02	8.36E-03	7.55E+01	7.18E+01	2.93E+01
5384	477700	3849859.7	1.04706	9.48256	0.06351	0.10779	0.139	0.084	9.3857	9.48256	7.30E+00	1.75E+01	6.61E-06	3.79E-03	4.35E-02	7.85E-03	6.65E+01	6.45E+01	2.69E+01
5385	477743.16	3849856.38	0.91799	7.95896	0.06357	0.10665	0.14	0.083	7.9323	7.95896	6.40E+00	1.47E+01	6.62E-06	3.75E-03	4.39E-02	7.82E-03	5.62E+01	5.41E+01	2.32E+01
5386	478477.35	3850216.33	1.16605	8.00345	0.06087	0.10697	0.161	0.086	7.8817	8.00345	8.13E+00	1.48E+01	6.34E-06	3.76E-03	5.05E-02	8.07E-03	5.58E+01	5.44E+01	2.44E+01
5387	478485.8	3850201.6	1.00046	7.03388	0.06045	0.10625	0.16	0.085	6.9909	7.03388	6.97E+00	1.30E+01	6.29E-06	3.74E-03	5.02E-02	7.98E-03	4.95E+01	4.78E+01	2.17E+01
5388	479113.21	3850501.53	1.30649	6.50816	0.06183	0.10159	0.161	0.088	6.4355	6.50816	9.11E+00	1.20E+01	6.44E-06	3.58E-03	5.05E-02	8.24E-03	4.56E+01	4.43E+01	2.25E+01
5389	479108.11	3850382.28	0.77182	4.23174	0.06065	0.09426	0.154	0.094	4.2409	4.23174	5.38E+00	7.82E+00	6.31E-06	3.32E-03	4.81E-02	8.80E-03	3.00E+01	2.88E+01	1.45E+01
5390	479689.85	3850674.28	1.66647	4.42087	0.06152	0.08889	0.146	0.106	4.4198	4.42087	1.16E+01	8.17E+00	6.40E-06	3.13E-03	4.58E-02	9.95E-03	3.13E+01	3.01E+01	2.11E+01
5391	479952.42	3850774.28	1.48477	4.09765	0.06297	0.09002	0.144	0.103	4.1	4.09765	1.04E+01	7.57E+00	6.56E-06	3.17E-03	4.51E-02	9.69E-03	2.90E+01	2.79E+01	1.92E+01
5392	479911.32	3850884.85	1.36978	6.66204	0.06417	0.09265	0.156	0.11	6.5158	6.66204	9.55E+00	1.23E+01	6.68E-06	3.26E-03	4.88E-02	1.04E-02	4.62E+01	4.53E+01	2.28E+01
5393	480500.92	3851178.12	1.13415	6.59908	0.06454	0.09549	0.153	0.11	6.6674	6.59908	7.91E+00	1.22E+01	6.72E-06	3.36E-03	4.79E-02	1.04E-02	4.72E+01	4.49E+01	2.25E+01
5394	480738.01	3851289.27	1.09541	6.40022	0.06878	0.10375	0.151	0.102	6.5028	6.40022	7.64E+00	1.18E+01	7.16E-06	3.65E-03	4.73E-02	9.55E-03	4.61E+01	4.35E+01	2.21E+01
5395	481055.42	3851443.58	1.15248	6.2853	0.07925	0.1203	0.147	0.112	6.4326	6.2853	8.03E+00	1.16E+01	8.25E-06	4.23E-03	4.61E-02	1.05E-02	4.56E+01	4.27E+01	2.25E+01
5396	481110.22	3851443.15	1.0154	5.56264	0.07937	0.11576	0.147	0.112	5.6826	5.56264	7.08E+00	1.03E+01	8.26E-06	4.07E-03	4.61E-02	1.05E-02	4.03E+01	3.78E+01	1.99E+01
5397	481111.1	3851417.45	0.93259	5.01694	0.07961	0.11321	0.145	0.111	5.1134	5.01694	6.50E+00	9.27E+00	8.29E-06	3.98E-03	4.53E-02	1.05E-02	3.62E+01	3.41E+01	1.79E+01
5398	482248.44	3852605.09	0.8651	5.7802	0.11802	0.18153	0.206	0.246	5.7499	5.7802	6.03E+00	1.07E+01	1.23E-05	6.39E-03	6.44E-02	2.31E-02	4.07E+01	3.93E+01	1.82E+01
5399	482273.34	3852632.31	0.8695	5.85749	0.119	0.18309	0.207	0.252	5.8322	5.85749	6.06E+00	1.08E+01	1.24E-05	6.44E-03	6.48E-02	2.37E-02	4.13E+01	3.98E+01	1.85E+01
5400	482665.46	3853038.72	0.96791	5.47204	0.20451	0.2617	0.237	0.303	5.5317	5.47204	6.75E+00	1.01E+01	2.13E-05	9.21E-03	7.43E-02	2.85E-02	3.92E+01	3.72E+01	1.90E+01
5401	483077.95	3853844.31	1.82025	2.87947	0.4759	1.8622	0.35	5.594	4.1439	2.87947	1.27E+01	5.32E+00	4.95E-05	6.55E-02	1.10E-01	5.26E-01	2.94E+01	1.96E+01	2.85E+01
5402	483121.38	3853909.38	1.90208	2.63834	0.4678	4.63457	0.369	11.97	4.0311	2.63834	1.33E+01	4.87E+00	4.87E-05	1.63E-01	1.16E-01	1.13E+00	2.86E+01	1.79E+01	3.02E+01
5403	483492.64	3853911.49	2.2231	1.53232	0.32244	3.80696	0.348	3.894	2.1892	1.53232	1.55E+01	2.83E+00	3.36E-05	1.34E-01	1.09E-01	3.66E-01	1.55E+01	1.04E+01	2.40E+01
5404	483498.29	3854204.73	2.85211	1.53662	0.5858	18.04389	0.414	7.546	4.4013	1.53662	1.99E+01	2.84E+00	6.10E-05	6.35E-01	1.30E-01	7.09E-01	3.12E+01	1.04E+01	4.49E+01
5405	484132.44	3854662.55	4.30163	0.52255	4.45241	19.17649	0.491	5.809	5.4176	0.52255	3.00E+01	9.65E-01	4.64E-04	6.75E-01	1.54E-01	5.46E-01	3.84E+01	3.55E+00	6.72E+01
5406	484627.62	3854876.13	4.54175	0.49679	4.56091	26.90919	0.512	6.136	6.0464	0.49679	3.17E+01	9.18E-01	4.75E-04	9.47E-01	1.60E-01	5.77E-01	4.28E+01	3.38E+00	7.37E+01
5407	484756.14	3854949.04	4.65346	0.53083	3.73171	20.58924	0.528	6.627	6.4943	0.53083	3.24E+01	9.80E-01	3.88E-04	7.25E-01	1.65E-01	6.23E-01	4.60E+01	3.61E+00	7.73E+01
5408	486697.51	3856599.17	5.20646	0.74234	2.26867	16.29472	5.828	4.982	3.3391	0.74234	3.63E+01	1.37E+00	2.36E-04	5.74E-01	1.83E+00	4.68E-01	2.37E+01	5.05E+00	5.91E+01
5409	487105.31	3856962.27	4.72048	0.91281	1.79323	16.52977	42.36	5.01	3.169	0.91281	3.29E+01	1.69E+00	1.87E-04	5.82E-01	1.33E+01	4.71E-01	2.25E+01	6.21E+00	6.52E+01
5410	487157.57	3856901.7	4.3304	0.86895	1.84487	9.2273	34.98	3.994	2.6437	0.86895	3.02E+01	1.60E+00	1.92E-04	3.25E-01	1.10E+01	3.75E-01	1.87E+01	5.91E+00	5.63E+01
5411	487173.5	3856853.74	4.16406	0.84838	1.99466	7.53638	28.5	3.609	2.4333	0.84838	2.90E+01	1.57E+00	2.08E-04	2.65E-01	8.93E+00	3.39E-01	1.72E+01	5.77E+00	5.16E+01
5412	487564.41	3856860.83	3.38573	0.79636	1.54195	4.11341	45.45	2.588	1.7987	0.79636	2.36E+01	1.47E+00	1.61E-04	1.45E-01	1.42E+01	2.43E-01	1.27E+01	5.42E+00	4.70E+01
5413	487563.31	3856931.58	3.48263	0.82985	1.57404	4.46172	49.95	2.774	1.8966	0.82985	2.43E+01	1.53E+00	1.64E-04	1.57E-01	1.57E+01	2.61E-01	1.34E+01	5.64E+00	4.97E+01
5414	487782.7	3856926.85	3.18384	0.85453	1.51007	3.56208	53.39	2.389	1.6397	0.85453	2.22E+01	1.58E+00	1.57E-04	1.25E-01	1.67E+01	2.25E-01	1.16E+01	5.81E+00	4.67E+01
5415	487782.39	3856757.07	3.0101	0.74319	1.65041	3.04007	28.47	2.115	1.4695	0.74319	2.10E+01	1.37E+00	1.72E-04	1.07E-01	8.92E+00	1.99E-01	1.04E+01	5.05E+00	3.69E+01
5416	487917.26	3856752.41	2.84848	0.75055	1.65624	2.80228	37.63	2.024	1.3764	0.75055	1.99E+01	1.39E+00	1.72E-04	9.86E-02	1.18E+01	1.90E-01	9.75E+00	5.10E+00	3.80E+01
5417	487919.57	3856953.35	3.03885	0.88135	1.44297	3.26851	61.94	2.316	1.5368	0.88135	2.12E+01	1.63E+00	1.50E-04	1.15E-01	1.94E+01	2.18E-01	1.09E+01	5.99E+00	4.74E+01
5418	487932.76	3857000.32	3.0941	0.89664	1.44474	3.34268	63.77	2.356	1.5735	0.89664	2.16E+01	1.66E+00	1.50E-04	1.18E-01	2.00E+01	2.22E-01	1.11E+01	6.10E+00	4.86E+01
5419	487960.5	3857044.75	3.11535	0.9096	1.48316	3.38593	65.33	2.397	1.5938	0.9096	2.17E+01	1.68E+00	1.54E-04	1.19E-01	2.05E+01	2.25E-01	1.13E+01	6.19E+00	4.93E+01
5420	488016.54	3857089.54	3.09232	0.91871	1.5274	3.37822	66.54	2.415	1.588	0.91871	2.16E+01	1.70E+00	1.59E-04	1.19E-01	2.08E+01	2.27E-01	1.13E+01	6.25E+00	4.95E+01
5421	488114.39	3857165.47	3.07684	0.94371	1.52531	3.34521	70.64	2.468	1.5753	0.94371	2.15E+01	1.74E+00	1.59E-04	1.18E-01	2.21E+01	2.32E-01	1.12E+01	6.42E+00	5.04E+01
5422	488171.49	3857234.24	3.0792	0.99449	1.68467	3.38586	70.19	2.59	1.5829	0.99449	2.15E+01	1.84E+00	1.75E-04	1.19E-01	2.20E+01	2.43E-01	1.12E+01	6.76E+00	5.01E+01
5423	488193.16	3857297.8	3.14169	1.0469	1.67099	3.52041	66.87	2.697	1.6107	1.0469	2.19E+01	1.93E+00	1.74E-04	1.24E-01	2.10E+01	2.53E-01	1.14E+01	7.12E+00	4.95E+01
5424	488189.27	3857649.94	3.8456	1.39936	3.5181	5.33199	48.17	4.395	2.0873	1.39936	2.68E+01	2.58E+00	3.66E-04	1.88E-01	1.51E+01	4.13E-01	1.48E+01	9.52E+00	5.04E+01

5425	488127.43	3857732.32	4.19028	1.44749	5.34326	7.51387	39.61	5.79	2.4278	1.44749	2.92E+01	2.67E+00	5.56E-04	2.64E-01	1.24E+01	5.44E-01	1.72E+01	9.84E+00	5.25E+01
5426	488149.93	3857752.94	4.18437	1.4479	5.98678	7.58573	36.58	5.843	2.4259	1.4479	2.92E+01	2.67E+00	6.23E-04	2.67E-01	1.15E+01	5.49E-01	1.72E+01	9.85E+00	5.15E+01
5427	488144.76	3857758.71	4.2152	1.44266	6.08281	7.83203	36.25	5.968	2.4524	1.44266	2.94E+01	2.66E+00	6.33E-04	2.76E-01	1.14E+01	5.61E-01	1.74E+01	9.81E+00	5.18E+01
5428	488335.58	3857932.55	4.28199	1.65757	9.29543	7.78512	20.71	7.118	2.4081	1.65757	2.99E+01	3.06E+00	9.68E-04	2.74E-01	6.49E+00	6.69E-01	1.71E+01	1.13E+01	4.61E+01
5429	488372.29	3857943.79	4.1992	1.658	9.06784	7.27108	19.55	6.778	2.35	1.658	2.93E+01	3.06E+00	9.44E-04	2.56E-01	6.12E+00	6.37E-01	1.67E+01	1.13E+01	4.47E+01
5430	488828.64	3857936.4	3.29785	1.41876	6.1043	3.9618	13.05	4.354	1.6639	1.41876	2.30E+01	2.62E+00	6.35E-04	1.39E-01	4.09E+00	4.09E-01	1.18E+01	9.65E+00	3.24E+01
5431	488829.08	3857959.58	3.35297	1.4337	6.00617	4.08433	12.18	4.351	1.6857	1.4337	2.34E+01	2.65E+00	6.25E-04	1.44E-01	3.82E+00	4.09E-01	1.19E+01	9.75E+00	3.26E+01
5432	488351.61	3857964.55	4.3691	1.70325	9.32469	8.13793	19.49	7.306	2.4433	1.70325	3.05E+01	3.15E+00	9.71E-04	2.86E-01	6.11E+00	6.87E-01	1.73E+01	1.16E+01	4.64E+01
5433	488316.87	3857947.65	4.42412	1.68276	9.66	8.61866	20.35	7.578	2.4804	1.68276	3.08E+01	3.11E+00	1.01E-03	3.03E-01	6.38E+00	7.12E-01	1.76E+01	1.14E+01	4.75E+01
5434	488129.1	3857775.77	4.34549	1.43652	6.97222	8.66298	35.75	6.453	2.5208	1.43652	3.03E+01	2.65E+00	7.26E-04	3.05E-01	1.12E+01	6.07E-01	1.79E+01	9.77E+00	5.32E+01
5435	488062.53	3857846.13	4.85848	1.5086	10.18676	18.10865	25.51	10.7	2.9994	1.5086	3.39E+01	2.79E+00	1.06E-03	6.37E-01	7.99E+00	1.01E+00	2.13E+01	1.03E+01	5.73E+01
5436	488330.41	3858091.34	4.94056	1.96907	8.22001	18.04132	9.576	9.958	2.8993	1.96907	3.44E+01	3.64E+00	8.56E-04	6.35E-01	3.00E+00	9.36E-01	2.05E+01	1.34E+01	4.98E+01
5437	488470.87	3858174.45	4.84854	2.109	6.54043	12.67045	10.11	8.241	2.7766	2.109	3.38E+01	3.90E+00	6.81E-04	4.46E-01	3.17E+00	7.75E-01	1.97E+01	1.43E+01	4.74E+01
5438	488568.9	3858262.31	4.93225	2.3329	5.40428	12.91112	8.679	8.181	2.9247	2.3329	3.44E+01	4.31E+00	5.63E-04	4.54E-01	2.72E+00	7.69E-01	2.07E+01	1.59E+01	4.75E+01
5439	488964.27	3858025.71	3.46082	1.43966	5.06895	3.99	10.25	4.131	1.6405	1.43966	2.41E+01	2.66E+00	5.28E-04	1.40E-01	3.21E+00	3.88E-01	1.16E+01	9.79E+00	3.24E+01
5440	489147.25	3857956.64	3.13645	1.25927	4.88411	3.36116	11.86	3.572	1.4318	1.25927	2.19E+01	2.33E+00	5.08E-04	1.18E-01	3.72E+00	3.36E-01	1.01E+01	8.56E+00	2.99E+01
5441	489343.52	3857932.45	3.22323	1.16058	4.33144	2.93432	12.99	3.192	1.2911	1.16058	2.25E+01	2.14E+00	4.51E-04	1.03E-01	4.07E+00	3.00E-01	9.15E+00	7.89E+00	3.03E+01
5442	489866.19	3857923.19	3.07589	0.96454	3.0032	2.88304	10.92	2.536	1.0212	0.96454	2.14E+01	1.78E+00	3.13E-04	1.01E-01	3.42E+00	2.38E-01	7.24E+00	6.56E+00	2.77E+01
5443	489955.65	3857902.27	2.89869	0.89529	2.82879	2.82864	11.78	2.388	0.961	0.89529	2.02E+01	1.65E+00	2.94E-04	9.96E-02	3.69E+00	2.24E-01	6.81E+00	6.09E+00	2.66E+01
5444	490079.44	3857847.9	2.57612	0.87821	2.69452	2.73804	12.69	2.326	0.9314	0.87821	1.80E+01	1.62E+00	2.81E-04	9.64E-02	3.98E+00	2.19E-01	6.60E+00	5.97E+00	2.45E+01
5445	490108.49	3857934.13	3.00297	0.88631	2.6716	3.36521	10.94	2.292	0.9385	0.88631	2.09E+01	1.64E+00	2.78E-04	1.18E-01	3.43E+00	2.15E-01	6.65E+00	6.03E+00	2.70E+01
5446	489884.48	3858014.17	3.03529	1.00963	2.61614	3.48233	10.81	2.544	1.0516	1.00963	2.12E+01	1.86E+00	2.72E-04	1.23E-01	3.39E+00	2.39E-01	7.45E+00	6.87E+00	2.74E+01
5447	489326.56	3858025.86	3.44198	1.23968	3.92227	3.46346	10.77	3.31	1.3524	1.23968	2.40E+01	2.29E+00	4.08E-04	1.22E-01	3.38E+00	3.11E-01	9.58E+00	8.43E+00	3.12E+01
5448	489130.38	3858056.71	3.76823	1.34242	4.10815	3.82027	9.658	3.806	1.504	1.34242	2.63E+01	2.48E+00	4.28E-04	1.34E-01	3.03E+00	3.58E-01	1.07E+01	9.13E+00	3.38E+01
5449	488936.49	3858143.93	4.02714	1.58625	4.31533	4.73092	8.001	4.711	1.8482	1.58625	2.81E+01	2.93E+00	4.49E-04	1.67E-01	2.51E+00	4.43E-01	1.31E+01	1.08E+01	3.64E+01
5450	488638.08	3858327.45	4.94634	2.47075	5.11861	13.27394	7.897	8.374	2.9425	2.47075	3.45E+01	4.56E+00	5.33E-04	4.67E-01	2.47E+00	7.87E-01	2.08E+01	1.68E+01	4.68E+01
5451	488663.79	3858349.57	4.92703	2.49291	5.20678	13.18599	7.729	8.331	2.9365	2.49291	3.43E+01	4.60E+00	5.42E-04	4.64E-01	2.42E+00	7.83E-01	2.08E+01	1.70E+01	4.65E+01
5452	488694.56	3858349.5	4.9042	2.43723	4.94814	11.39916	8.51	7.733	2.8237	2.43723	3.42E+01	4.50E+00	5.15E-04	4.01E-01	2.67E+00	7.27E-01	2.00E+01	1.66E+01	4.59E+01
5453	488694.35	3858336.75	4.91411	2.38973	4.79535	10.702	8.856	7.507	2.7761	2.38973	3.43E+01	4.41E+00	4.99E-04	3.77E-01	2.77E+00	7.06E-01	1.97E+01	1.62E+01	4.60E+01
5454	488712.81	3858336.38	4.86963	2.34649	4.66959	10.07773	8.146	7.316	2.7153	2.34649	3.39E+01	4.33E+00	4.86E-04	3.55E-01	2.55E+00	6.88E-01	1.92E+01	1.60E+01	4.52E+01
5455	488713.23	3858367.46	4.87308	2.45794	4.59809	11.45965	8.276	7.733	2.8288	2.45794	3.40E+01	4.54E+00	4.79E-04	4.03E-01	2.59E+00	7.27E-01	2.00E+01	1.67E+01	4.56E+01
5456	488704.63	3858384.05	4.88433	2.53562	4.61619	13.05237	7.37	8.143	2.9284	2.53562	3.41E+01	4.68E+00	4.81E-04	4.59E-01	2.31E+00	7.65E-01	2.07E+01	1.72E+01	4.58E+01
5457	488604.15	3858488.29	4.91507	3.24121	4.63824	9.65844	3.685	5.038	4.3114	3.24121	3.43E+01	5.99E+00	4.83E-04	3.40E-01	1.15E+00	4.74E-01	3.05E+01	2.20E+01	5.07E+01
5458	488605.66	3858550.47	4.8851	3.66915	3.78277	7.89057	3.565	4.505	4.9173	3.66915	3.41E+01	6.78E+00	3.94E-04	2.78E-01	1.12E+00	4.23E-01	3.48E+01	2.49E+01	5.25E+01
5459	488692.68	3858548.71	4.69419	3.33185	3.84772	10.6262	3.567	5.236	4.133	3.33185	3.27E+01	6.15E+00	4.01E-04	3.74E-01	1.12E+00	4.92E-01	2.93E+01	2.27E+01	4.75E+01
5460	488759.93	3858461.81	4.45324	2.70878	3.87862	15.84727	6.039	8.643	3.0729	2.70878	3.10E+01	5.00E+00	4.04E-04	5.58E-01	1.89E+00	8.12E-01	2.18E+01	1.84E+01	4.27E+01
5461	488816.57	3858541.79	4.61802	2.87721	3.84626	19.74175	5.042	9.956	3.2399	2.87721	3.22E+01	5.31E+00	4.00E-04	6.95E-01	1.58E+00	9.36E-01	2.30E+01	1.96E+01	4.41E+01
5462	488944.63	3858656.77	4.51619	3.15271	2.69573	19.26012	4.618	10.07	3.26	3.15271	3.15E+01	5.82E+00	2.81E-04	6.78E-01	1.45E+00	9.47E-01	2.31E+01	2.14E+01	4.20E+01
5463	489134.91	3858830.7	3.90951	3.54077	1.88661	23.11993	3.328	9.873	3.53	3.54077	2.73E+01	6.54E+00	1.96E-04	8.14E-01	1.04E+00	9.28E-01	2.50E+01	2.41E+01	3.75E+01
5464	489193.99	3858886.05	3.85868	3.72713	1.84156	25.77354	3.105	9.66	3.6574	3.72713	2.69E+01	6.88E+00	1.92E-04	9.07E-01	9.73E-01	9.08E-01	2.59E+01	2.53E+01	3.71E+01
5465	489295.2	3858954.34	3.6556	3.82501	1.86582	22.41025	2.909	9.429	3.6782	3.82501	2.55E+01	7.06E+00	1.94E-04	7.89E-01	9.12E-01	8.86E-01	2.61E+01	2.60E+01	3.52E+01
5466	489295.64	3858992.74	3.68015	4.13265	2.06142	21.57539	2.671	10.95	3.9941	4.13265	2.57E+01	7.63E+00	2.15E-04	7.59E-01	8.37E-01	1.03E+00	2.83E+01	2.81E+01	3.61E+01
5467	489183.74	3858911.72	3.91956	3.95149	1.89249	28.80045	3.228	10.37	3.9544	3.95149	2.73E+01	7.30E+00	1.97E-04	1.01E+00	1.01E+00	9.75E-01	2.80E+01	2.69E+01	3.88E+01
5468	488873.37	3858625.59	4.72987	3.19495	3.03238	21.36505	4.213	9.533	3.4213	3.19495	3.30E+01	5.90E+00	3.16E-04	7.52E-01	1.32E+00	8.96E-01	2.42E+01	2.17E+01	4.44E+01
5469	488842.84	3858658.69	4.74435	3.50271	2.65252	13.01072	3.322	5.671	3.8857	3.50271	3.31E+01	6.47E+00	2.76E-04	4.58E-01	1.04E+00	5.33E-01	2.75E+01	2.38E+01	4.53E+01
5470	488856.39	3858670.93	4.74015	3.52737	2.56114	13.21487	3.327	5.69	3.8971	3.52737	3.30E+01	6.51E+00	2.67E-04	4.65E-01	1.04E+00	5.35E-01	2.76E+01	2.40E+01	4.52E+01
5471	488805.7	3858724.5	4.93307	4.15041	2.44139	9.49364	3.023	4.641	4.8701	4.15041	3.44E+01	7.67E+00	2.54E-04	3.34E-01	9.47E-01	4.36E-01	3.45E+01	2.82E+01	5.01E+01
5472	488805.87	3858804.16	5.03078	5.31622	2.13494	7.81446	3.102	4.312	7.0765	5.31622	3.51E+01	9.82E+00	2.22E-04	2.75E-01	9.72E-01	4.05E-01	5.01E+01	3.61E+01	6.05E+01
5473	488995.78	3858936.96	4.61539	5.86696	1.83408	9.833	2.349	4.196	6.9953	5.86696	3.22E+01	1.08E+01	1.91E-04	3.46E-01	7.36E-01	3.94E-01	4.96E+01	3.99E+01	5.42E+01
5474	489130.76	3859017.38	4.24558	6.04152	1.97331	13.60778	2.081	4.511	6.2844	6.04152	2.96E+01	1.12E+01	2.05E-04	4.79E-01	6.52E-01	4.24E-01	4.45E+01	4.11E+01	4.58E+01
5475	489130.92	3859052.24	4.1741	7.62907	1.86145	12.09242	2.134	4.257	8.4873	7.62907	2.91E+01	1.41E+01	1.94E-04	4.26E-01	6.69E-01	4.00E-01	6.01E+01	5.19E+01	5.29E+01
5476	489200.33	3859090.6	3.88047	7.5972	2.02788	14.17719	1.864	4.425	7.5715	7.5972	2.71E+01	1.40E+01	2.11E-04	4.99E-01	5.84E-01	4.16E-01	5.36E+01	5.17E+01	4.46E+01
5477	489296.07	3859143.7	3.58138	7.44888	2.4199	9.37673	1.851	4.539	7.7052	7.44888	2.50E+01	1.38E+01	2.52E-04	3.30E-01	5.80E-01	4.27E-01	5.46E+01	5.07E+01	4.40E+01
5478	489296.43	3858954.74	3.6532	3.82321	1.86617	22.23628	2.911	9.394	3.6752	3.82321	2.55E+01	7.06E+00	1.94E-04	7.83E-01	9.12E-01	8.83E-01	2.60E+01	2.60E+01	3.52E+01
5479	489410.33	3859033.19	3.57604	3.94355	2.09326	20.50665	2.258	9.43	3.8004	3.94355	2.49E+01	7.28E+00	2.18E-04	7.22E-01	7.07E-01	8.86E-01	2.69E+01	2.68E+01	3.46E+01
5480	489371.37	3859089.8	3.59301	4.818	2.51439	13.3635	2.33	6.357	4.6919	4.818	2.50E+01	8.90E+00	2.62E-04	4.70E-01	7.30E-01	5.98E-01	3.32E+01	3.28E+01	3.62E+01
5481	489390.52	3859102.82	3.60775	4.85341	2.52651	13.30366	2.305	6.316	4.7181	4.85341	2.52E+01	8.96E+00	2.63E-04	4.68E-01	7.22E-01	5.94E-01	3.34E+01	3.30E+01	3.63E+01
5482	489382.3	3859114.53	3.60745	5.14786	2.57341	12.00973	2.3	5.992	4.9852	5.14786	2.52E+01	9.51E+00	2.68E-04	4.23E-01	7.21E-01	5.63E-01	3.53E+01	3.50E+01	3.67E+01
5483	489363.04	3859102.45	3.61691	5.11292	2.54546	12.16203	2.364	5.998	4.9756	5.11292	2.52E+01	9.44E+00	2.65E-04	4.28E-01	7.41E-01	5.64E-01	3.53E+01	3.48E+01	3.69E+01

5484	489337.52	3859140.71	3.58986	6.30832	2.48449	10.00641	2.131	4.983	6.0498	6.30832	2.50E+01	1.17E+01	2.59E-04	3.52E-01	6.68E-01	4.68E-01	4.29E+01	4.29E+01	3.81E+01
5485	489375.14	3859164.55	3.5486	6.40838	2.62783	9.73985	2.209	5.012	6.2473	6.40838	2.47E+01	1.18E+01	2.74E-04	3.43E-01	6.92E-01	4.71E-01	4.43E+01	4.36E+01	3.88E+01
5486	489409.3	3859114.5	3.56404	4.87388	2.51333	13.32921	2.286	6.323	4.7362	4.87388	2.48E+01	9.00E+00	2.62E-04	4.69E-01	7.16E-01	5.94E-01	3.36E+01	3.31E+01	3.60E+01
5487	489434.87	3859131.81	3.52986	4.9244	2.8416	13.22096	2.259	6.351	4.7989	4.9244	2.46E+01	9.10E+00	2.96E-04	4.65E-01	7.08E-01	5.97E-01	3.40E+01	3.35E+01	3.60E+01
5488	489471.87	3859075.75	3.43413	4.00309	2.48203	20.96824	2.096	9.63	3.9041	4.00309	2.39E+01	7.39E+00	2.58E-04	7.38E-01	6.57E-01	9.05E-01	2.77E+01	2.72E+01	3.41E+01
5489	489602.62	3859164.69	3.60401	4.13393	4.3199	18.1667	1.844	9.71	4.0058	4.13393	2.51E+01	7.64E+00	4.50E-04	6.39E-01	5.78E-01	9.13E-01	2.84E+01	2.81E+01	3.52E+01
5490	489558.29	3859232.45	3.46618	5.5721	5.69873	11.53147	1.918	5.872	5.4118	5.5721	2.42E+01	1.03E+01	5.93E-04	4.06E-01	6.01E-01	5.52E-01	3.83E+01	3.79E+01	3.65E+01
5491	489620.11	3859273.56	3.35547	5.68041	9.35479	11.24003	1.908	5.82	5.5921	5.68041	2.34E+01	1.05E+01	9.74E-04	3.96E-01	5.98E-01	5.47E-01	3.96E+01	3.86E+01	3.64E+01
5492	489666.06	3859206.42	3.46265	4.19979	6.83969	18.50031	1.701	9.51	4.1209	4.19979	2.41E+01	7.76E+00	7.12E-04	6.51E-01	5.33E-01	8.94E-01	2.92E+01	2.86E+01	3.46E+01
5493	489787.9	3859285.65	3.49604	4.30894	13.08158	17.98087	1.581	8.925	4.2759	4.30894	2.44E+01	7.96E+00	1.36E-03	6.33E-01	4.95E-01	8.39E-01	3.03E+01	2.93E+01	3.53E+01
5494	489752.17	3859343.13	3.25904	5.64039	27.05696	12.07231	1.641	6.421	5.5884	5.64039	2.27E+01	1.04E+01	2.82E-03	4.25E-01	5.14E-01	6.04E-01	3.96E+01	3.84E+01	3.59E+01
5495	489814.94	3859385.33	3.16745	5.81254	58.69889	11.52272	1.545	6.428	5.7792	5.81254	2.21E+01	1.07E+01	6.11E-03	4.06E-01	4.84E-01	6.04E-01	4.09E+01	3.95E+01	3.57E+01
5496	489853.42	3859330.74	3.28317	4.43404	24.38448	18.06099	1.556	8.814	4.3861	4.43404	2.29E+01	8.19E+00	2.54E-03	6.36E-01	4.87E-01	8.28E-01	3.11E+01	3.02E+01	3.40E+01
5497	489969.5	3859401.91	3.33715	4.55411	45.49774	19.30676	1.516	8.931	4.5259	4.55411	2.33E+01	8.41E+00	4.74E-03	6.80E-01	4.75E-01	8.40E-01	3.21E+01	3.10E+01	3.48E+01
5498	490166.91	3859486.96	3.23439	4.3554	20.05614	18.54294	1.139	9.628	4.3515	4.3554	2.25E+01	8.04E+00	2.09E-03	6.53E-01	3.57E-01	9.05E-01	3.08E+01	2.96E+01	3.37E+01
5499	490128.86	3859571.46	2.82835	6.39197	13.96771	10.21326	1.262	5.415	6.3019	6.39197	1.97E+01	1.18E+01	1.45E-03	3.59E-01	3.95E-01	5.09E-01	4.47E+01	4.35E+01	3.40E+01
5500	490186.65	3859593.65	2.7481	6.5433	11.72226	10.56023	1.115	5.686	6.5217	6.5433	1.92E+01	1.21E+01	1.22E-03	3.72E-01	3.49E-01	5.34E-01	4.62E+01	4.45E+01	3.42E+01
5501	490223.74	3859517.48	3.07625	4.58241	16.63876	20.16212	1.12	9.915	4.5207	4.58241	2.14E+01	8.46E+00	1.73E-03	7.10E-01	3.51E-01	9.32E-01	3.20E+01	3.12E+01	3.28E+01
5502	490846.34	3859817.22	2.79277	5.13363	4.64899	20.44786	0.886	8.499	5.2922	5.13363	1.95E+01	9.48E+00	4.84E-04	7.20E-01	2.78E-01	7.99E-01	3.75E+01	3.49E+01	3.33E+01
5503	490925.65	3859844.59	2.69291	4.79143	4.23875	20.53167	0.891	8.308	4.7935	4.79143	1.88E+01	8.85E+00	4.41E-04	7.23E-01	2.79E-01	7.81E-01	3.40E+01	3.26E+01	3.08E+01
5504	491159.29	3859896.28	2.5977	4.31189	3.80058	22.33546	0.846	8.461	4.3967	4.31189	1.81E+01	7.96E+00	3.96E-04	7.86E-01	2.65E-01	7.95E-01	3.12E+01	2.93E+01	2.98E+01
5505	491370.69	3859960.89	2.6226	3.91889	3.15043	21.53357	0.897	8.812	3.8566	3.91889	1.83E+01	7.24E+00	3.28E-04	7.58E-01	2.81E-01	8.28E-01	2.73E+01	2.66E+01	2.81E+01
5506	491330.28	3860063.17	2.46788	5.4278	2.28121	7.07262	0.804	5.509	5.3218	5.4278	1.72E+01	1.00E+01	2.37E-04	2.49E-01	2.52E-01	5.18E-01	3.77E+01	3.69E+01	2.90E+01
5507	491636.45	3860180.75	2.3272	3.8832	1.82777	5.44932	0.755	4.691	3.938	3.8832	1.62E+01	7.17E+00	1.90E-04	1.92E-01	2.37E-01	4.41E-01	2.79E+01	2.64E+01	2.58E+01
5508	491617.94	3860203.93	2.40449	4.19404	1.68239	4.63339	0.71	4.06	4.2292	4.19404	1.68E+01	7.75E+00	1.75E-04	1.63E-01	2.23E-01	3.82E-01	3.00E+01	2.85E+01	2.67E+01
5509	491805.68	3860271.59	2.36179	3.55759	1.50051	3.95716	0.767	3.873	3.5814	3.55759	1.65E+01	6.57E+00	1.56E-04	1.39E-01	2.40E-01	3.64E-01	2.54E+01	2.42E+01	2.50E+01
5510	491654.23	3860414.02	1.94859	7.22094	0.7239	2.4564	0.701	2.505	7.7383	7.22094	1.36E+01	1.33E+01	7.54E-05	8.65E-02	2.20E-01	2.35E-01	5.48E+01	4.91E+01	3.32E+01
5511	491592.62	3860510.76	1.37917	4.34451	0.64313	2.18261	0.675	2.227	4.2655	4.34451	9.62E+00	8.02E+00	6.70E-05	7.68E-02	2.12E-01	2.09E-01	3.02E+01	2.95E+01	1.88E+01
5512	491475.41	3860368.93	1.59659	5.08401	0.81499	2.73998	0.705	2.386	5.1384	5.08401	1.11E+01	9.39E+00	8.48E-05	9.64E-02	2.21E-01	2.24E-01	3.64E+01	3.46E+01	2.29E+01
5513	491445.61	3860337.28	1.63538	5.35327	0.83478	2.88442	0.712	2.412	5.3838	5.35327	1.14E+01	9.89E+00	8.69E-05	1.02E-01	2.23E-01	2.27E-01	3.81E+01	3.64E+01	2.36E+01
5514	491399.05	3860300.37	1.70447	5.26722	0.86542	3.18815	0.72	2.501	5.4357	5.26722	1.19E+01	9.73E+00	9.01E-05	1.12E-01	2.26E-01	2.35E-01	3.85E+01	3.58E+01	2.49E+01
5515	491228.84	3860235.98	1.60902	3.84807	0.98634	3.58442	0.727	2.632	3.9769	3.84807	1.12E+01	7.11E+00	1.03E-04	1.26E-01	2.28E-01	2.47E-01	2.82E+01	2.62E+01	2.09E+01
5516	491228.47	3860174.57	1.69525	5.10381	1.23264	4.04727	0.749	2.927	5.287	5.10381	1.18E+01	9.43E+00	1.28E-04	1.42E-01	2.35E-01	2.75E-01	3.75E+01	3.47E+01	2.47E+01
5517	491145.77	3860112.55	1.82813	4.96087	1.59237	4.7943	0.766	3.382	5.1872	4.96087	1.27E+01	9.16E+00	1.66E-04	1.69E-01	2.40E-01	3.18E-01	3.68E+01	3.37E+01	2.57E+01
5518	490844.41	3859966.22	1.90163	5.86308	2.3594	6.84336	0.905	4.544	5.5741	5.86308	1.33E+01	1.08E+01	2.46E-04	2.41E-01	2.84E-01	4.27E-01	3.95E+01	3.99E+01	2.47E+01
5519	490845.55	3859928.15	2.03047	8.64197	2.94231	8.47878	0.832	5.634	8.0342	8.64197	1.42E+01	1.60E+01	3.06E-04	2.98E-01	2.61E-01	5.30E-01	5.69E+01	5.88E+01	2.94E+01
5520	490046.91	3859625.6	2.56703	6.77838	7.28747	7.44149	1.326	3.856	6.8629	6.77838	1.79E+01	1.25E+01	7.59E-04	2.62E-01	4.16E-01	3.62E-01	4.86E+01	4.61E+01	3.40E+01
5521	489970.48	3859589.4	2.63496	6.78788	9.32437	7.28296	1.453	3.846	6.5174	6.78788	1.84E+01	1.25E+01	9.71E-04	2.56E-01	4.55E-01	3.62E-01	4.62E+01	4.62E+01	3.20E+01
5522	489865.89	3859529.06	2.7207	7.31766	16.29519	7.39092	1.599	3.992	7.5748	7.31766	1.90E+01	1.35E+01	1.70E-03	2.60E-01	5.01E-01	3.75E-01	5.37E+01	4.98E+01	3.75E+01
5523	489826.89	3859531.74	2.61233	6.02496	14.7572	6.87901	1.5	3.817	5.8845	6.02496	1.82E+01	1.11E+01	1.54E-03	2.42E-01	4.70E-01	3.59E-01	4.17E+01	4.10E+01	3.11E+01
5524	489410.47	3859303.06	3.01019	6.27593	4.80878	6.86092	1.507	3.768	5.9264	6.27593	2.10E+01	1.16E+01	5.01E-04	2.41E-01	4.72E-01	3.54E-01	4.20E+01	4.27E+01	3.30E+01
5525	489407.15	3859286.09	3.02178	6.89532	4.50754	7.11002	1.552	3.872	6.3838	6.89532	2.11E+01	1.27E+01	4.69E-04	2.50E-01	4.86E-01	3.64E-01	4.52E+01	4.69E+01	3.32E+01
5526	488806.07	3858963.62	4.96611	6.4126	1.53212	6.3782	2.197	4.241	4.4822	6.4126	3.46E+01	1.18E+01	1.60E-04	2.24E-01	6.88E-01	3.99E-01	3.18E+01	4.36E+01	3.59E+01
5527	488817.64	3859546.3	4.32225	1.68289	0.99904	3.70102	0.748	3.671	1.5738	1.68289	3.01E+01	3.11E+00	1.04E-04	1.30E-01	2.34E-01	3.45E-01	1.12E+01	1.14E+01	3.37E+01
5528	489187.25	3859549.52	3.83418	2.12068	2.04098	10.62605	1.763	2.856	2.0802	2.12068	2.67E+01	3.92E+00	2.12E-04	3.74E-01	5.53E-01	2.68E-01	1.47E+01	1.44E+01	3.22E+01
5529	489187.66	3859523.74	3.62944	2.22887	2.07394	10.70383	1.741	2.862	2.1684	2.22887	2.53E+01	4.12E+00	2.16E-04	3.77E-01	5.45E-01	2.69E-01	1.54E+01	1.52E+01	3.08E+01
5530	489232.59	3859522.85	3.59756	2.31986	2.4733	10.79198	1.612	2.883	2.2722	2.31986	2.51E+01	4.28E+00	2.57E-04	3.80E-01	5.05E-01	2.71E-01	1.61E+01	1.58E+01	3.08E+01
5531	489224.98	3859759.91	3.55601	1.66832	2.45867	11.07617	1.315	2.742	1.6427	1.66832	2.48E+01	3.08E+00	2.56E-04	3.90E-01	4.12E-01	2.58E-01	1.16E+01	1.13E+01	2.92E+01
5532	488401.39	3859763.34	3.87802	1.18528	1.24757	2.34068	0.391	7.397	1.0768	1.18528	2.70E+01	2.19E+00	1.30E-04	8.24E-02	1.23E-01	6.95E-01	7.63E+00	8.06E+00	2.97E+01
5533	488405.51	3859966.16	3.58135	1.06845	1.00933	2.24494	0.33	7.017	0.9842	1.06845	2.50E+01	1.97E+00	1.05E-04	7.90E-02	1.03E-01	6.60E-01	6.97E+00	7.27E+00	2.75E+01
5534	489202.85	3859956.57	3.5129	1.46074	1.01521	7.17333	0.842	2.891	1.3418	1.46074	2.45E+01	2.70E+00	1.06E-04	2.52E-01	2.64E-01	2.72E-01	9.51E+00	9.93E+00	2.76E+01
5535	489191.9	3860676.74	3.37923	0.84252	0.73092	12.64895	0.328	2.569	0.8031	0.84252	2.36E+01	1.56E+00	7.61E-05	4.45E-01	1.03E-01	2.41E-01	5.69E+00	5.73E+00	2.59E+01
5536	488392.82	3860687.88	3.02183	0.71096	0.35268	1.88256	0.145	12.05	0.6738	0.71096	2.11E+01	1.31E+00	3.67E-05	6.63E-02	4.55E-02	1.13E+00	4.77E+00	4.83E+00	2.36E+01
5537	488392.82	3860760.27	2.72207	0.7068	0.35096	1.82833	0.133	5.551	0.6647	0.7068	1.90E+01	1.31E+00	3.65E-05	6.44E-02	4.16E-02	5.22E-01	4.71E+00	4.81E+00	2.08E+01
5538	487549.05	3860777.45	2.2745	0.60268	0.30361	1.20872	0.167	2.972	0.5419	0.60268	1.59E+01	1.11E+00	3.16E-05	4.25E-02	5.22E-02	2.79E-01	3.84E+00	4.10E+00	1.71E+01
5539	487554.62	3859571.83	3.82233	1.00542	0.47376	1.59963	0.406	6.664	0.8296	1.00542	2.66E+01	1.86E+00	4.93E-05	5.63E-02	1.27E-01	6.26E-01	5.88E+00	6.84E+00	2.84E+01
5540	485949.46	3859558.54	1.84423	0.69062	0.53794	0.98773	1.039	2.421	0.5223	0.69062	1.29E+01	1.28E+00	5.60E-05	3.48E-02	3.26E-01	2.28E-01	3.70E+00	4.70E+00	1.37E+01
5541	485947.55	3857943.61	3.54978	1.64238	0.94169	1.24886	5.422	5.545	0.8439	1.64238	2.47E+01	3.03E+00	9.80E-05	4.40E-02	1.70E+00	5.21E-01	5.98E+00	1.12E+01	2.49E+01
5542	484738.38	3857940.21	1.97268	0.90249	0.40019	0.89128	2.555	1.56	0.5794	0.90249	1.38E+01	1.67E+00	4.17E-05	3.14E-02	8.00E-01	1.47E-01	4.10E+00	6.14E+00	1.44E+01

5543	484737.06	3857535.68	2.51388	1.08974	0.53647	0.9267	1.964	1.955	0.6608	1.08974	1.75E+01	2.01E+00	5.58E-05	3.26E-02	6.15E-01	1.84E-01	4.68E+00	7.41E+00	1.76E+01
5544	483730.2	3857530.13	2.09834	0.76128	0.38817	0.73275	1.247	1.233	0.5324	0.76128	1.46E+01	1.41E+00	4.04E-05	2.58E-02	3.91E-01	1.16E-01	3.77E+00	5.18E+00	1.52E+01
5545	483727.27	3857130.01	3.36559	0.87453	0.54631	0.74748	1.022	1.533	0.5479	0.87453	2.35E+01	1.62E+00	5.69E-05	2.63E-02	3.20E-01	1.44E-01	3.88E+00	5.95E+00	2.35E+01
5546	483124.42	3857123.45	2.3451	0.71063	0.63389	0.68337	0.852	1.193	0.5283	0.71063	1.63E+01	1.31E+00	6.60E-05	2.41E-02	2.67E-01	1.12E-01	3.74E+00	4.83E+00	1.70E+01
5547	483111.13	3855921.03	3.67451	1.1945	0.62394	0.90844	0.649	1.948	0.6442	1.1945	2.56E+01	2.21E+00	6.50E-05	3.20E-02	2.03E-01	1.83E-01	4.56E+00	8.12E+00	2.47E+01
5548	482701.73	3855918.24	2.86413	0.96332	0.63326	0.8255	0.524	1.537	0.6235	0.96332	2.00E+01	1.78E+00	6.59E-05	2.91E-02	1.64E-01	1.44E-01	4.42E+00	6.55E+00	2.00E+01
5549	482668.02	3853521.78	1.15767	3.0083	0.23196	0.46014	0.304	0.559	2.8986	3.0083	8.07E+00	5.56E+00	2.41E-05	1.62E-02	9.54E-02	5.25E-02	2.05E+01	2.05E+01	1.39E+01
5550	482579.91	3853219.19	0.95623	3.22614	0.17541	0.33853	0.276	0.363	3.2647	3.22614	6.67E+00	5.96E+00	1.83E-05	1.19E-02	8.66E-02	3.41E-02	2.31E+01	2.19E+01	1.40E+01
5551	482434.06	3852961.94	0.89423	4.34578	0.14461	0.25583	0.248	0.306	4.4369	4.34578	6.23E+00	8.03E+00	1.51E-05	9.00E-03	7.77E-02	2.87E-02	3.14E+01	2.96E+01	1.63E+01
5552	482332.11	3852832.85	0.89606	4.80543	0.13118	0.22869	0.235	0.279	4.8317	4.80543	6.25E+00	8.88E+00	1.37E-05	8.05E-03	7.36E-02	2.63E-02	3.42E+01	3.27E+01	1.68E+01
5553	481334.99	3851818.96	0.78382	4.25413	0.08672	0.13526	0.167	0.127	4.2989	4.25413	5.46E+00	7.86E+00	9.03E-06	4.76E-03	5.25E-02	1.20E-02	3.05E+01	2.89E+01	1.49E+01
5554	481127.62	3851646.36	0.84912	4.33986	0.08196	0.11947	0.162	0.119	4.3435	4.33986	5.92E+00	8.02E+00	8.53E-06	4.20E-03	5.08E-02	1.12E-02	3.08E+01	2.95E+01	1.53E+01
5555	481025.04	3851591.73	0.90156	4.18311	0.0788	0.11338	0.163	0.119	4.2918	4.18311	6.29E+00	7.73E+00	8.20E-06	3.99E-03	5.10E-02	1.11E-02	3.04E+01	2.84E+01	1.60E+01
5556	480513.6	3851335.76	0.93801	4.59109	0.06726	0.10493	0.165	0.12	4.6642	4.59109	6.54E+00	8.48E+00	7.00E-06	3.69E-03	5.17E-02	1.13E-02	3.30E+01	3.12E+01	1.69E+01
5557	480523.56	3851317.66	1.02078	5.15916	0.06663	0.10287	0.162	0.12	5.2222	5.15916	7.12E+00	9.53E+00	6.94E-06	3.62E-03	5.08E-02	1.13E-02	3.70E+01	3.51E+01	1.86E+01
5558	476921.56	3849569.11	0.83148	4.95218	0.06049	0.09658	0.127	0.091	4.9769	4.95218	5.80E+00	9.15E+00	6.30E-06	3.40E-03	3.99E-02	8.54E-03	3.53E+01	3.37E+01	1.66E+01
5559	476521.19	3849373.96	0.92582	6.00081	0.05775	0.09917	0.125	0.086	6.0298	6.00081	6.45E+00	1.11E+01	6.01E-06	3.49E-03	3.91E-02	8.06E-03	4.27E+01	4.08E+01	1.95E+01
5560	476391.45	3849333.38	0.87022	6.2838	0.05728	0.09886	0.13	0.086	6.3247	6.2838	6.07E+00	1.16E+01	5.96E-06	3.48E-03	4.06E-02	8.08E-03	4.48E+01	4.27E+01	1.98E+01
5561	476219.41	3849304.29	0.82519	5.83831	0.05963	0.09688	0.133	0.089	5.8927	5.83831	5.75E+00	1.08E+01	6.21E-06	3.41E-03	4.17E-02	8.41E-03	4.18E+01	3.97E+01	1.86E+01
5562	475679.11	3849218.47	0.89357	5.35159	0.05626	0.0832	0.122	0.097	5.3694	5.35159	6.23E+00	9.88E+00	5.86E-06	2.93E-03	3.82E-02	9.12E-03	3.80E+01	3.64E+01	1.78E+01
5563	475677.71	3849233.88	0.86144	4.77751	0.05608	0.08271	0.121	0.097	4.7983	4.77751	6.01E+00	8.82E+00	5.84E-06	2.91E-03	3.80E-02	9.16E-03	3.40E+01	3.25E+01	1.64E+01
5564	475492.74	3849204.66	0.7474	3.49362	0.05424	0.08056	0.12	0.096	3.5206	3.49362	5.21E+00	6.45E+00	5.65E-06	2.84E-03	3.76E-02	9.00E-03	2.49E+01	2.38E+01	1.29E+01
5565	475497.64	3849158.75	1.16781	6.49735	0.05464	0.08098	0.118	0.096	6.5631	6.49735	8.14E+00	1.20E+01	5.69E-06	2.85E-03	3.70E-02	9.01E-03	4.65E+01	4.42E+01	2.25E+01
5566	475391.35	3849141.94	0.8277	5.39821	0.05407	0.08191	0.12	0.095	5.4186	5.39821	5.77E+00	9.97E+00	5.63E-06	2.88E-03	3.75E-02	8.93E-03	3.84E+01	3.67E+01	1.75E+01
5567	475277	3849095.47	0.70266	5.13613	0.05293	0.08184	0.12	0.095	5.1753	5.13613	4.90E+00	9.49E+00	5.51E-06	2.88E-03	3.75E-02	8.91E-03	3.67E+01	3.49E+01	1.62E+01
5568	475183.93	3849025.66	0.67855	5.04184	0.05253	0.08116	0.118	0.093	5.1035	5.04184	4.73E+00	9.31E+00	5.47E-06	2.86E-03	3.71E-02	8.74E-03	3.62E+01	3.43E+01	1.60E+01
5569	474453.23	3848378.77	0.39931	5.97232	0.04993	0.07486	0.111	0.088	6.0198	5.97232	2.78E+00	1.10E+01	5.20E-06	2.63E-03	3.47E-02	8.23E-03	4.27E+01	4.06E+01	1.59E+01
5570	474569.63	3848399.34	0.32266	6.72426	0.05075	0.07678	0.114	0.088	6.7878	6.72426	2.25E+00	1.24E+01	5.28E-06	2.70E-03	3.59E-02	8.26E-03	4.81E+01	4.57E+01	1.71E+01
5571	474644.33	3848464.52	0.41541	6.89189	0.05102	0.07709	0.114	0.088	6.9791	6.89189	2.90E+00	1.27E+01	5.31E-06	2.71E-03	3.58E-02	8.32E-03	4.94E+01	4.69E+01	1.83E+01
5572	474719.04	3848529.7	0.43614	6.99409	0.05128	0.07737	0.114	0.089	7.1389	6.99409	3.04E+00	1.29E+01	5.34E-06	2.72E-03	3.57E-02	8.38E-03	5.06E+01	4.76E+01	1.90E+01
5573	474793.74	3848594.88	0.45917	7.1121	0.05156	0.07707	0.114	0.09	7.2974	7.1121	3.20E+00	1.31E+01	5.37E-06	2.71E-03	3.57E-02	8.41E-03	5.17E+01	4.84E+01	1.97E+01
5574	474868.45	3848660.07	0.50607	7.12686	0.05184	0.07695	0.114	0.09	7.3022	7.12686	3.53E+00	1.32E+01	5.40E-06	2.71E-03	3.56E-02	8.47E-03	5.17E+01	4.85E+01	2.00E+01
5575	474943.15	3848725.25	0.54565	7.26749	0.05212	0.07685	0.113	0.091	7.3776	7.26749	3.80E+00	1.34E+01	5.43E-06	2.70E-03	3.55E-02	8.53E-03	5.23E+01	4.94E+01	2.01E+01
5576	475017.86	3848790.43	0.57237	7.49747	0.0524	0.07677	0.113	0.091	7.5503	7.49747	3.99E+00	1.38E+01	5.46E-06	2.70E-03	3.55E-02	8.59E-03	5.35E+01	5.10E+01	2.04E+01
5577	475092.56	3848855.61	0.64483	7.56426	0.05267	0.07753	0.114	0.092	7.6189	7.56426	4.50E+00	1.40E+01	5.48E-06	2.73E-03	3.57E-02	8.65E-03	5.40E+01	5.14E+01	2.11E+01
5578	475232.58	3848959.38	0.74287	6.5881	0.05333	0.07902	0.116	0.093	6.6271	6.5881	5.18E+00	1.22E+01	5.55E-06	2.78E-03	3.63E-02	8.78E-03	4.70E+01	4.48E+01	1.96E+01
5579	475368.47	3849029.98	0.78485	6.77755	0.05421	0.07941	0.117	0.095	6.8529	6.77755	5.47E+00	1.25E+01	5.64E-06	2.79E-03	3.66E-02	8.91E-03	4.86E+01	4.61E+01	2.05E+01
5580	475609.57	3849096.09	0.69814	7.07764	0.0565	0.08512	0.123	0.094	7.1732	7.07764	4.87E+00	1.31E+01	5.88E-06	3.00E-03	3.87E-02	8.82E-03	5.08E+01	4.81E+01	2.07E+01
5581	475680.68	3849116.62	0.62168	7.52486	0.05694	0.08787	0.125	0.094	7.6036	7.52486	4.33E+00	1.39E+01	5.93E-06	3.09E-03	3.93E-02	8.80E-03	5.39E+01	5.12E+01	2.10E+01
5582	475843.76	3849151.52	0.5853	9.20339	0.05792	0.09322	0.128	0.093	9.3308	9.20339	4.08E+00	1.70E+01	6.03E-06	3.28E-03	4.03E-02	8.76E-03	6.61E+01	6.26E+01	2.47E+01
5583	475935.73	3849165.89	0.53932	8.26837	0.0583	0.09509	0.129	0.091	8.4251	8.26837	3.76E+00	1.53E+01	6.07E-06	3.35E-03	4.05E-02	8.51E-03	5.97E+01	5.62E+01	2.26E+01
5584	476027.7	3849180.26	0.54073	8.00384	0.05866	0.09566	0.131	0.088	8.1067	8.00384	3.77E+00	1.48E+01	6.11E-06	3.37E-03	4.11E-02	8.26E-03	5.74E+01	5.44E+01	2.16E+01
5585	476119.68	3849194.64	0.5653	9.04721	0.05609	0.0956	0.132	0.084	9.1249	9.04721	3.94E+00	1.67E+01	5.84E-06	3.36E-03	4.13E-02	7.92E-03	6.47E+01	6.15E+01	2.38E+01
5586	476211.65	3849209.01	0.49126	9.31893	0.05641	0.09734	0.126	0.083	9.3628	9.31893	3.42E+00	1.72E+01	5.87E-06	3.43E-03	3.96E-02	7.83E-03	6.63E+01	6.34E+01	2.37E+01
5587	476497.8	3849283.9	0.51304	12.05418	0.0564	0.09436	0.121	0.083	12.261	12.05418	3.58E+00	2.23E+01	5.87E-06	3.32E-03	3.79E-02	7.81E-03	8.69E+01	8.20E+01	3.08E+01
5588	476603.73	3849323.77	0.55109	13.92779	0.05736	0.09424	0.119	0.085	14.113	13.92779	3.84E+00	2.57E+01	5.97E-06	3.32E-03	3.74E-02	8.00E-03	1.00E+02	9.47E+01	3.49E+01
5589	476728.99	3849382.76	0.68827	11.37909	0.05927	0.09524	0.119	0.088	11.572	11.37909	4.80E+00	2.10E+01	6.17E-06	3.35E-03	3.74E-02	8.29E-03	8.20E+01	7.74E+01	3.05E+01
5590	476801.27	3849418.65	0.77898	10.84669	0.05974	0.09568	0.12	0.089	10.971	10.84669	5.43E+00	2.00E+01	6.22E-06	3.37E-03	3.77E-02	8.38E-03	7.77E+01	7.38E+01	2.95E+01
5591	476956.2	3849495.05	0.87472	10.07008	0.06119	0.09665	0.123	0.089	10.084	10.07008	6.10E+00	1.86E+01	6.37E-06	3.40E-03	3.86E-02	8.32E-03	7.15E+01	6.85E+01	2.77E+01
5592	477038.84	3849535.56	0.88335	10.08893	0.06126	0.0974	0.124	0.088	10.061	10.08893	6.16E+00	1.86E+01	6.38E-06	3.43E-03	3.88E-02	8.24E-03	7.13E+01	6.86E+01	2.75E+01
5593	477121.48	3849576.08	0.88537	10.00884	0.061	0.10055	0.126	0.087	9.9183	10.00884	6.17E+00	1.85E+01	6.35E-06	3.54E-03	3.93E-02	8.17E-03	7.03E+01	6.81E+01	2.69E+01
5594	477204.13	3849616.6	0.9159	9.96702	0.0611	0.10298	0.129	0.086	9.9237	9.96702	6.39E+00	1.84E+01	6.36E-06	3.62E-03	4.03E-02	8.10E-03	7.03E+01	6.78E+01	2.74E+01
5595	477286.78	3849657.12	0.93492	9.54981	0.06188	0.10299	0.131	0.085	9.5376	9.54981	6.52E+00	1.76E+01	6.44E-06	3.62E-03	4.12E-02	7.99E-03	6.76E+01	6.49E+01	2.68E+01
5596	477369.42	3849697.63	0.9478	9.85734	0.06217	0.10552	0.137	0.085	9.8534	9.85734	6.61E+00	1.82E+01	6.47E-06	3.71E-03	4.28E-02	7.97E-03	6.98E+01	6.70E+01	2.77E+01
5597	477452.07	3849738.15	0.95085	10.03547	0.06249	0.10564	0.137	0.084	10.013	10.03547	6.63E+00	1.85E+01	6.51E-06	3.72E-03	4.30E-02	7.92E-03	7.09E+01	6.82E+01	2.79E+01
5598	477534.71	3849778.67	0.98507	9.86738	0.06278	0.10739	0.138	0.084	9.8546	9.86738	6.87E+00	1.82E+01	6.54E-06	3.78E-03	4.32E-02	7.89E-03	6.98E+01	6.71E+01	2.79E+01
5599	477617.35	3849819.18	1.01503	10.07755	0.06308	0.1076	0.138	0.083	10.038	10.07755	7.08E+00	1.86E+01	6.57E-06	3.79E-03	4.33E-02	7.83E-03	7.11E+01	6.85E+01	2.83E+01
5600	477824.74	3849896.37	0.98602	7.56762	0.06366	0.10675	0.143	0.083	7.5592	7.56762	6.87E+00	1.40E+01	6.63E-06	3.76E-03	4.47E-02	7.83E-03	5.36E+01	5.15E+01	2.30E+01
5601	477906.31	3849936.37	1.02836	7.95107	0.0637	0.10661	0.143	0.084	7.8962	7.95107	7.17E+00	1.47E+01	6.63E-06	3.75E-03	4.48E-02	7.94E-03	5.59E+01	5.41E+01	2.38E+01

5602	477987.89	3849976.36	1.03231	7.79787	0.06387	0.10757	0.145	0.086	7.789	7.79787	7.20E+00	1.44E+01	6.65E-06	3.79E-03	4.54E-02	8.07E-03	5.52E+01	5.30E+01	2.38E+01
5603	478069.47	3850016.36	1.04612	7.99972	0.06338	0.10689	0.146	0.087	7.934	7.99972	7.29E+00	1.48E+01	6.60E-06	3.76E-03	4.59E-02	8.16E-03	5.62E+01	5.44E+01	2.39E+01
5604	478151.04	3850056.35	1.06077	7.95911	0.06257	0.10643	0.147	0.087	7.8758	7.95911	7.40E+00	1.47E+01	6.51E-06	3.75E-03	4.60E-02	8.13E-03	5.58E+01	5.41E+01	2.38E+01
5605	478232.62	3850096.35	1.06298	8.05978	0.0617	0.10636	0.147	0.086	7.9765	8.05978	7.41E+00	1.49E+01	6.42E-06	3.74E-03	4.59E-02	8.10E-03	5.65E+01	5.48E+01	2.41E+01
5606	478314.2	3850136.34	1.06676	8.0108	0.06132	0.10683	0.15	0.086	7.9191	8.0108	7.44E+00	1.48E+01	6.38E-06	3.76E-03	4.71E-02	8.07E-03	5.61E+01	5.45E+01	2.39E+01
5607	478395.77	3850176.34	1.09228	7.98272	0.0612	0.10711	0.156	0.086	7.8745	7.98272	7.62E+00	1.47E+01	6.37E-06	3.77E-03	4.88E-02	8.11E-03	5.58E+01	5.43E+01	2.39E+01
5608	478575.43	3850244.45	1.04311	6.93891	0.06021	0.10622	0.16	0.085	6.9038	6.93891	7.27E+00	1.28E+01	6.27E-06	3.74E-03	5.03E-02	7.95E-03	4.89E+01	4.72E+01	2.19E+01
5609	478665.06	3850287.29	1.08679	6.86971	0.05994	0.10602	0.161	0.085	6.7877	6.86971	7.58E+00	1.27E+01	6.24E-06	3.73E-03	5.04E-02	7.96E-03	4.81E+01	4.67E+01	2.17E+01
5610	478754.69	3850330.14	1.10992	6.7542	0.05964	0.10569	0.161	0.085	6.6707	6.7542	7.74E+00	1.25E+01	6.21E-06	3.72E-03	5.05E-02	7.95E-03	4.73E+01	4.59E+01	2.16E+01
5611	478844.32	3850372.99	1.12883	6.59335	0.0603	0.10518	0.161	0.085	6.4895	6.59335	7.87E+00	1.22E+01	6.28E-06	3.70E-03	5.06E-02	7.97E-03	4.60E+01	4.48E+01	2.13E+01
5612	478933.95	3850415.84	1.1916	6.36956	0.06137	0.10452	0.162	0.086	6.2705	6.36956	8.31E+00	1.18E+01	6.39E-06	3.68E-03	5.07E-02	8.04E-03	4.44E+01	4.33E+01	2.13E+01
5613	479023.58	3850458.68	1.2498	6.62864	0.06212	0.10357	0.161	0.086	6.538	6.62864	8.71E+00	1.22E+01	6.47E-06	3.65E-03	5.06E-02	8.06E-03	4.63E+01	4.51E+01	2.23E+01
5614	479110.66	3850441.9	0.99193	4.96734	0.06051	0.09596	0.157	0.092	4.9487	4.96734	6.92E+00	9.17E+00	6.30E-06	3.38E-03	4.92E-02	8.62E-03	3.51E+01	3.38E+01	1.74E+01
5615	479191.22	3850423.99	0.92624	4.22024	0.06023	0.09376	0.154	0.1	4.2379	4.22024	6.46E+00	7.79E+00	6.27E-06	3.30E-03	4.82E-02	9.36E-03	3.00E+01	2.87E+01	1.56E+01
5616	479274.32	3850465.71	1.16391	4.31028	0.05995	0.09342	0.154	0.104	4.3185	4.31028	8.11E+00	7.96E+00	6.24E-06	3.29E-03	4.82E-02	9.74E-03	3.06E+01	2.93E+01	1.74E+01
5617	479357.43	3850507.42	1.30495	4.4059	0.0598	0.09263	0.153	0.103	4.3977	4.4059	9.10E+00	8.14E+00	6.23E-06	3.26E-03	4.80E-02	9.71E-03	3.12E+01	3.00E+01	1.85E+01
5618	479440.53	3850549.14	1.38801	4.42168	0.05975	0.09149	0.151	0.103	4.423	4.42168	9.68E+00	8.17E+00	6.22E-06	3.22E-03	4.74E-02	9.69E-03	3.13E+01	3.01E+01	1.92E+01
5619	479523.64	3850590.85	1.49378	4.40498	0.06008	0.09029	0.15	0.104	4.4038	4.40498	1.04E+01	8.14E+00	6.25E-06	3.18E-03	4.70E-02	9.81E-03	3.12E+01	3.00E+01	1.99E+01
5620	479606.74	3850632.57	1.59083	4.43265	0.0608	0.08904	0.148	0.106	4.4284	4.43265	1.11E+01	8.19E+00	6.33E-06	3.13E-03	4.64E-02	9.94E-03	3.14E+01	3.01E+01	2.06E+01
5621	479777.37	3850707.61	1.56177	4.27912	0.06255	0.08765	0.145	0.105	4.2841	4.27912	1.09E+01	7.90E+00	6.51E-06	3.08E-03	4.54E-02	9.90E-03	3.04E+01	2.91E+01	2.01E+01
5622	479864.9	3850740.95	1.52251	4.19217	0.06335	0.08854	0.144	0.104	4.1906	4.19217	1.06E+01	7.74E+00	6.60E-06	3.12E-03	4.52E-02	9.80E-03	2.97E+01	2.85E+01	1.96E+01
5623	479931.87	3850829.56	1.57789	5.0196	0.06423	0.09011	0.149	0.107	4.9824	5.0196	1.10E+01	9.27E+00	6.69E-06	3.17E-03	4.67E-02	1.01E-02	3.53E+01	3.41E+01	2.15E+01
5624	479995.55	3850926.75	1.26163	6.45915	0.06522	0.09303	0.155	0.11	6.3621	6.45915	8.80E+00	1.19E+01	6.79E-06	3.27E-03	4.86E-02	1.04E-02	4.51E+01	4.39E+01	2.19E+01
5625	480079.78	3850968.64	1.2155	6.26817	0.06522	0.09333	0.154	0.111	6.2269	6.26817	8.47E+00	1.16E+01	6.79E-06	3.28E-03	4.82E-02	1.05E-02	4.41E+01	4.26E+01	2.16E+01
5626	480164.01	3851010.54	1.18515	6.11079	0.06501	0.09534	0.153	0.11	6.1142	6.11079	8.26E+00	1.13E+01	6.77E-06	3.36E-03	4.80E-02	1.04E-02	4.33E+01	4.16E+01	2.14E+01
5627	480248.23	3851052.43	1.1582	6.02335	0.06471	0.09589	0.154	0.111	6.0489	6.02335	8.07E+00	1.11E+01	6.74E-06	3.37E-03	4.81E-02	1.05E-02	4.29E+01	4.10E+01	2.12E+01
5628	480332.46	3851094.33	1.14832	6.12597	0.0643	0.09555	0.153	0.113	6.1785	6.12597	8.01E+00	1.13E+01	6.69E-06	3.36E-03	4.81E-02	1.06E-02	4.38E+01	4.17E+01	2.15E+01
5629	480416.69	3851136.22	1.14068	6.43649	0.06398	0.0954	0.153	0.114	6.4957	6.43649	7.95E+00	1.19E+01	6.66E-06	3.36E-03	4.81E-02	1.07E-02	4.60E+01	4.38E+01	2.22E+01
5630	480579.95	3851215.17	1.12287	6.5791	0.06552	0.09804	0.152	0.107	6.6355	6.5791	7.83E+00	1.22E+01	6.82E-06	3.45E-03	4.78E-02	1.00E-02	4.70E+01	4.47E+01	2.23E+01
5631	480658.98	3851252.22	1.11112	6.51225	0.06675	0.10087	0.152	0.104	6.6016	6.51225	7.75E+00	1.20E+01	6.95E-06	3.55E-03	4.76E-02	9.76E-03	4.68E+01	4.43E+01	2.23E+01
5632	480817.36	3851327.85	1.105	6.41694	0.06988	0.10725	0.151	0.104	6.535	6.41694	7.70E+00	1.19E+01	7.27E-06	3.77E-03	4.74E-02	9.75E-03	4.63E+01	4.36E+01	2.23E+01
5633	480896.71	3851366.42	1.1251	6.3502	0.07427	0.11103	0.149	0.107	6.4755	6.3502	7.84E+00	1.17E+01	7.73E-06	3.91E-03	4.68E-02	1.01E-02	4.59E+01	4.32E+01	2.23E+01
5634	480976.07	3851405	1.12811	6.3424	0.07759	0.11812	0.148	0.109	6.4795	6.3424	7.86E+00	1.17E+01	8.08E-06	4.16E-03	4.64E-02	1.03E-02	4.59E+01	4.31E+01	2.24E+01
5635	481178	3851487.31	1.11242	5.8197	0.08025	0.11528	0.147	0.115	5.9229	5.8197	7.76E+00	1.07E+01	8.35E-06	4.06E-03	4.60E-02	1.08E-02	4.20E+01	3.96E+01	2.10E+01
5636	481244.9	3851557.17	1.14251	6.72001	0.08067	0.11821	0.15	0.119	6.823	6.72001	7.97E+00	1.24E+01	8.40E-06	4.16E-03	4.71E-02	1.12E-02	4.83E+01	4.57E+01	2.31E+01
5637	481311.81	3851627.03	1.03684	6.89584	0.08108	0.12157	0.153	0.122	6.9707	6.89584	7.23E+00	1.27E+01	8.44E-06	4.28E-03	4.79E-02	1.15E-02	4.94E+01	4.69E+01	2.25E+01
5638	481378.71	3851696.89	0.96693	6.73448	0.08148	0.12514	0.156	0.125	6.713	6.73448	6.74E+00	1.24E+01	8.48E-06	4.40E-03	4.88E-02	1.17E-02	4.76E+01	4.58E+01	2.10E+01
5639	481445.61	3851766.76	0.86926	5.60058	0.08187	0.12898	0.158	0.128	5.6293	5.60058	6.06E+00	1.03E+01	8.52E-06	4.54E-03	4.96E-02	1.20E-02	3.99E+01	3.81E+01	1.83E+01
5640	481512.51	3851836.62	0.81097	5.48643	0.08224	0.13306	0.161	0.131	5.5224	5.48643	5.65E+00	1.01E+01	8.56E-06	4.68E-03	5.06E-02	1.23E-02	3.91E+01	3.73E+01	1.77E+01
5641	481579.42	3851906.48	0.80493	5.31754	0.08313	0.13652	0.164	0.134	5.3415	5.31754	5.61E+00	9.82E+00	8.65E-06	4.80E-03	5.13E-02	1.26E-02	3.78E+01	3.62E+01	1.72E+01
5642	481646.32	3851976.34	0.81228	5.48519	0.08503	0.13995	0.166	0.137	5.5132	5.48519	5.66E+00	1.01E+01	8.85E-06	4.93E-03	5.21E-02	1.28E-02	3.91E+01	3.73E+01	1.76E+01
5643	481713.22	3852046.2	0.8073	5.46751	0.08635	0.14362	0.17	0.142	5.493	5.46751	5.63E+00	1.01E+01	8.99E-06	5.05E-03	5.32E-02	1.34E-02	3.89E+01	3.72E+01	1.75E+01
5644	481780.12	3852116.06	0.81097	5.51844	0.08726	0.14842	0.174	0.151	5.5522	5.51844	5.65E+00	1.02E+01	9.08E-06	5.22E-03	5.47E-02	1.42E-02	3.93E+01	3.75E+01	1.77E+01
5645	481847.03	3852185.92	0.81685	5.54222	0.08836	0.15246	0.178	0.157	5.5749	5.54222	5.69E+00	1.02E+01	9.20E-06	5.37E-03	5.59E-02	1.48E-02	3.95E+01	3.77E+01	1.78E+01
5646	481913.93	3852255.78	0.82262	5.53723	0.0916	0.15634	0.182	0.161	5.5728	5.53723	5.74E+00	1.02E+01	9.54E-06	5.50E-03	5.70E-02	1.52E-02	3.95E+01	3.77E+01	1.79E+01
5647	481980.83	3852325.65	0.8306	5.53195	0.09797	0.16032	0.186	0.182	5.5438	5.53195	5.79E+00	1.02E+01	1.02E-05	5.64E-03	5.83E-02	1.71E-02	3.93E+01	3.76E+01	1.78E+01
5648	482047.73	3852395.51	0.84265	5.65176	0.09924	0.16504	0.191	0.191	5.6546	5.65176	5.87E+00	1.04E+01	1.03E-05	5.81E-03	5.99E-02	1.79E-02	4.01E+01	3.84E+01	1.80E+01
5649	482114.64	3852465.37	0.8541	5.57306	0.10797	0.17105	0.196	0.206	5.5618	5.57306	5.95E+00	1.03E+01	1.12E-05	6.02E-03	6.13E-02	1.94E-02	3.94E+01	3.79E+01	1.78E+01
5650	482181.54	3852535.23	0.86596	5.81231	0.11237	0.17722	0.2	0.225	5.7748	5.81231	6.04E+00	1.07E+01	1.17E-05	6.24E-03	6.28E-02	2.11E-02	4.09E+01	3.95E+01	1.83E+01
5651	482338.69	3852700.04	0.86962	5.88059	0.12288	0.18913	0.21	0.267	5.8798	5.88059	6.06E+00	1.09E+01	1.28E-05	6.66E-03	6.57E-02	2.51E-02	4.17E+01	4.00E+01	1.87E+01
5652	482404.05	3852767.78	0.87288	5.85064	0.13588	0.19512	0.213	0.273	5.8541	5.85064	6.09E+00	1.08E+01	1.41E-05	6.87E-03	6.68E-02	2.56E-02	4.15E+01	3.98E+01	1.87E+01
5653	482469.4	3852835.52	0.89555	5.90728	0.15541	0.20706	0.217	0.277	5.7517	5.90728	6.24E+00	1.09E+01	1.62E-05	7.29E-03	6.80E-02	2.61E-02	4.08E+01	4.02E+01	1.78E+01
5654	482534.75	3852903.25	0.94096	6.00267	0.18127	0.22611	0.224	0.283	5.9738	6.00267	6.56E+00	1.11E+01	1.89E-05	7.96E-03	7.01E-02	2.66E-02	4.23E+01	4.08E+01	1.93E+01
5655	482600.11	3852970.99	0.95431	5.71969	0.19973	0.24306	0.23	0.289	5.7825	5.71969	6.65E+00	1.06E+01	2.08E-05	8.55E-03	7.22E-02	2.72E-02	4.10E+01	3.89E+01	1.94E+01
5656	482706.71	3853119.28	1.07838	5.24549	0.21411	0.28274	0.251	0.336	5.2833	5.24549	7.52E+00	9.69E+00	2.23E-05	9.95E-03	7.85E-02	3.16E-02	3.74E+01	3.57E+01	1.91E+01
5657	482747.96	3853199.84	1.11432	5.39692	0.22997	0.30048	0.262	0.363	5.4671	5.39692	7.77E+00	9.97E+00	2.39E-05	1.06E-02	8.21E-02	3.41E-02	3.87E+01	3.67E+01	1.99E+01
5658	482789.21	3853280.4	1.15556	5.01675	0.24856	0.3218	0.272	0.383	5.1345	5.01675	8.06E+00	9.27E+00	2.59E-05	1.13E-02	8.52E-02	3.60E-02	3.64E+01	3.41E+01	1.97E+01
5659	482830.46	3853360.96	1.19579	4.55125	0.26461	0.35614	0.282	0.436	4.9378	4.55125	8.34E+00	8.41E+00	2.75E-05	1.25E-02	8.83E-02	4.10E-02	3.50E+01	3.09E+01	2.09E+01
5660	482871.71	3853441.52	1.25468	4.42032	0.2811	0.4044	0.294	0.519	4.5844	4.42032	8.75E+00	8.16E+00	2.93E-05	1.42E-02	9.21E-02	4.88E-02	3.25E+01	3.01E+01	1.95E+01

5661	482912.95	3853522.07	1.31589	4.09405	0.30016	0.46308	0.309	0.609	4.4178	4.09405	9.17E+00	7.56E+00	3.12E-05	1.63E-02	9.67E-02	5.73E-02	3.13E+01	2.78E+01	2.04E+01
5662	482954.2	3853602.63	1.40702	3.82078	0.33453	0.54731	0.329	0.734	4.3532	3.82078	9.81E+00	7.06E+00	3.48E-05	1.93E-02	1.03E-01	6.90E-02	3.08E+01	2.60E+01	2.19E+01
5663	482995.45	3853683.19	1.52918	3.52076	0.39386	0.70561	0.33	1.54	4.2724	3.52076	1.07E+01	6.50E+00	4.10E-05	2.48E-02	1.03E-01	1.45E-01	3.03E+01	2.39E+01	2.38E+01
5664	483036.7	3853763.75	1.66773	3.23094	0.43618	0.98962	0.328	2.515	4.2166	3.23094	1.16E+01	5.97E+00	4.54E-05	3.48E-02	1.03E-01	2.36E-01	2.99E+01	2.20E+01	2.59E+01
5665	483214.2	3853909.91	1.90936	2.05149	0.38474	4.62201	0.359	7.146	2.9025	2.05149	1.33E+01	3.79E+00	4.01E-05	1.63E-01	1.12E-01	6.72E-01	2.06E+01	1.39E+01	2.47E+01
5666	483307.01	3853910.44	1.98242	1.88744	0.35287	4.65233	0.356	5.439	2.6672	1.88744	1.38E+01	3.49E+00	3.67E-05	1.64E-01	1.11E-01	5.11E-01	1.89E+01	1.28E+01	2.42E+01
5667	483399.83	3853910.96	2.10592	1.66614	0.31775	4.2843	0.371	4.559	2.3855	1.66614	1.47E+01	3.08E+00	3.31E-05	1.51E-01	1.16E-01	4.29E-01	1.69E+01	1.13E+01	2.40E+01
5668	483494.52	3854009.24	2.51244	1.58765	0.37831	5.85182	0.376	4.365	2.5741	1.58765	1.75E+01	2.93E+00	3.94E-05	2.06E-01	1.18E-01	4.10E-01	1.82E+01	1.08E+01	2.86E+01
5669	483496.41	3854106.98	2.7332	1.61234	0.45353	9.23726	0.389	5.451	3.2778	1.61234	1.91E+01	2.98E+00	4.72E-05	3.25E-01	1.22E-01	5.12E-01	2.32E+01	1.10E+01	3.53E+01
5670	483577.56	3854261.96	2.93415	1.27963	0.59112	16.52651	0.422	7.183	4.427	1.27963	2.05E+01	2.36E+00	6.15E-05	5.82E-01	1.32E-01	6.75E-01	3.14E+01	8.70E+00	4.69E+01
5671	483656.83	3854319.19	3.03026	1.05183	0.68243	18.23102	0.43	6.924	4.5527	1.05183	2.11E+01	1.94E+00	7.10E-05	6.42E-01	1.35E-01	6.51E-01	3.23E+01	7.15E+00	4.96E+01
5672	483736.1	3854376.41	3.19019	0.85218	1.0175	18.28737	0.439	6.616	4.6027	0.85218	2.22E+01	1.57E+00	1.06E-04	6.44E-01	1.38E-01	6.22E-01	3.26E+01	5.79E+00	5.20E+01
5673	483815.36	3854433.64	3.38084	0.72498	1.30391	18.42727	0.448	6.358	4.6995	0.72498	2.36E+01	1.34E+00	1.36E-04	6.49E-01	1.40E-01	5.98E-01	3.33E+01	4.93E+00	5.47E+01
5674	483894.63	3854490.87	3.6087	0.65285	1.40465	18.44898	0.458	6.204	4.8302	0.65285	2.52E+01	1.21E+00	1.46E-04	6.49E-01	1.43E-01	5.83E-01	3.42E+01	4.44E+00	5.75E+01
5675	483973.9	3854548.09	3.87144	0.60216	2.0728	18.44597	0.468	6.07	4.9249	0.60216	2.70E+01	1.11E+00	2.16E-04	6.49E-01	1.47E-01	5.71E-01	3.49E+01	4.09E+00	6.03E+01
5676	484053.17	3854605.32	4.08209	0.5651	3.34499	18.69063	0.479	5.92	5.1943	0.5651	2.85E+01	1.04E+00	3.48E-04	6.58E-01	1.50E-01	5.56E-01	3.68E+01	3.84E+00	6.38E+01
5677	484214.97	3854698.15	4.23578	0.49785	4.77702	19.193	0.507	5.561	5.398	0.49785	2.95E+01	9.19E-01	4.97E-04	6.76E-01	1.59E-01	5.23E-01	3.82E+01	3.39E+00	6.67E+01
5678	484297.5	3854733.74	4.1869	0.50411	4.75442	20.82939	0.503	5.903	5.8575	0.50411	2.92E+01	9.31E-01	4.95E-04	7.33E-01	1.58E-01	5.55E-01	4.15E+01	3.43E+00	6.96E+01
5679	484380.03	3854769.34	4.27057	0.49945	4.98326	22.57166	0.508	5.904	5.8793	0.49945	2.98E+01	9.22E-01	5.19E-04	7.94E-01	1.59E-01	5.55E-01	4.17E+01	3.40E+00	7.05E+01
5680	484462.56	3854804.94	4.35688	0.51478	5.16287	24.83711	0.517	6.157	5.9522	0.51478	3.04E+01	9.51E-01	5.37E-04	8.74E-01	1.62E-01	5.79E-01	4.22E+01	3.50E+00	7.16E+01
5681	484545.09	3854840.53	4.52778	0.49618	4.63672	26.16165	0.516	6.029	5.9561	0.49618	3.16E+01	9.16E-01	4.83E-04	9.21E-01	1.62E-01	5.67E-01	4.22E+01	3.37E+00	7.30E+01
5682	484691.88	3854912.58	4.63355	0.51516	4.07909	25.16365	0.52	6.303	6.2878	0.51516	3.23E+01	9.51E-01	4.25E-04	8.86E-01	1.63E-01	5.92E-01	4.46E+01	3.50E+00	7.59E+01
5683	484830.81	3855012.51	4.69106	0.55999	3.38346	18.70588	0.55	7.121	5.7573	0.55999	3.27E+01	1.03E+00	3.52E-04	6.58E-01	1.72E-01	6.69E-01	4.08E+01	3.81E+00	7.22E+01
5684	484905.48	3855075.97	4.71934	0.62767	3.26576	18.04826	0.584	6.185	5.3903	0.62767	3.29E+01	1.16E+00	3.40E-04	6.35E-01	1.83E-01	5.81E-01	3.82E+01	4.27E+00	6.94E+01
5685	484980.14	3855139.44	4.76718	0.65637	2.95605	17.95346	0.641	5.913	5.0526	0.65637	3.32E+01	1.21E+00	3.08E-04	6.32E-01	2.01E-01	5.56E-01	3.58E+01	4.46E+00	6.72E+01
5686	485054.81	3855202.91	4.83577	0.66795	2.71951	18.53947	0.675	5.736	4.7729	0.66795	3.37E+01	1.23E+00	2.83E-04	6.53E-01	2.11E-01	5.39E-01	3.38E+01	4.54E+00	6.56E+01
5687	485129.48	3855266.37	4.93421	0.65315	2.61049	17.98634	0.709	5.573	4.5181	0.65315	3.44E+01	1.21E+00	2.72E-04	6.33E-01	2.22E-01	5.24E-01	3.20E+01	4.44E+00	6.46E+01
5688	485204.15	3855329.84	4.91559	0.68621	2.55267	19.10731	0.752	5.645	4.5655	0.68621	3.43E+01	1.27E+00	2.66E-04	6.73E-01	2.35E-01	5.31E-01	3.23E+01	4.67E+00	6.47E+01
5689	485278.82	3855393.31	4.96908	0.69023	2.77097	18.23746	0.798	5.543	4.4987	0.69023	3.46E+01	1.27E+00	2.88E-04	6.42E-01	2.50E-01	5.21E-01	3.19E+01	4.69E+00	6.45E+01
5690	485353.48	3855456.77	5.0015	0.71334	2.28823	18.5748	0.852	5.498	4.4461	0.71334	3.49E+01	1.32E+00	2.38E-04	6.54E-01	2.67E-01	5.17E-01	3.15E+01	4.85E+00	6.43E+01
5691	485428.15	3855520.24	5.05597	0.72038	2.25582	18.57934	0.89	5.477	4.2971	0.72038	3.52E+01	1.33E+00	2.35E-04	6.54E-01	2.79E-01	5.15E-01	3.04E+01	4.90E+00	6.36E+01
5692	485502.82	3855583.71	5.0983	0.72857	2.50656	19.77563	0.933	5.476	4.1819	0.72857	3.55E+01	1.35E+00	2.61E-04	6.96E-01	2.92E-01	5.15E-01	2.96E+01	4.95E+00	6.31E+01
5693	485577.49	3855647.17	5.10576	0.76076	3.61822	18.2168	0.985	5.533	4.1821	0.76076	3.56E+01	1.41E+00	3.77E-04	6.41E-01	3.09E-01	5.20E-01	2.96E+01	5.17E+00	6.29E+01
5694	485652.16	3855710.64	5.11743	0.78452	4.52764	19.62855	1.062	5.52	4.1888	0.78452	3.57E+01	1.45E+00	4.71E-04	6.91E-01	3.33E-01	5.19E-01	2.97E+01	5.33E+00	6.30E+01
5695	485726.83	3855774.1	5.15979	0.79019	5.69276	18.92155	1.103	5.487	4.0985	0.79019	3.60E+01	1.46E+00	5.93E-04	6.66E-01	3.46E-01	5.16E-01	2.90E+01	5.37E+00	6.26E+01
5696	485801.49	3855837.57	5.22029	0.78034	5.71286	19.86334	1.163	5.373	3.9885	0.78034	3.64E+01	1.44E+00	5.95E-04	6.99E-01	3.64E-01	5.05E-01	2.83E+01	5.31E+00	6.24E+01
5697	485876.16	3855901.04	5.26641	0.79356	6.05697	17.43674	1.237	5.389	3.8929	0.79356	3.67E+01	1.47E+00	6.31E-04	6.14E-01	3.88E-01	5.07E-01	2.76E+01	5.40E+00	6.19E+01
5698	485950.83	3855964.5	5.32382	0.79687	5.88695	19.58658	1.39	5.36	3.7893	0.79687	3.71E+01	1.47E+00	6.13E-04	6.89E-01	4.36E-01	5.04E-01	2.68E+01	5.42E+00	6.16E+01
5699	486025.5	3856027.97	5.35121	0.78218	5.64453	17.2497	1.539	5.286	3.688	0.78218	3.73E+01	1.44E+00	5.88E-04	6.07E-01	4.82E-01	4.97E-01	2.61E+01	5.32E+00	6.12E+01
5700	486100.17	3856091.44	5.27456	0.82733	4.83094	18.14003	1.732	5.276	3.7754	0.82733	3.68E+01	1.53E+00	5.03E-04	6.38E-01	5.43E-01	4.96E-01	2.67E+01	5.63E+00	6.11E+01
5701	486174.83	3856154.9	5.2939	0.79888	4.07864	16.58547	1.909	5.201	3.5619	0.79888	3.69E+01	1.48E+00	4.25E-04	5.84E-01	5.98E-01	4.89E-01	2.52E+01	5.43E+00	5.99E+01
5702	486249.5	3856218.37	5.35817	0.74764	3.4136	17.2329	2.112	4.839	3.2314	0.74764	3.74E+01	1.38E+00	3.55E-04	6.07E-01	6.62E-01	4.55E-01	2.29E+01	5.08E+00	5.83E+01
5703	486324.17	3856281.84	5.42894	0.66864	3.10472	17.31462	2.377	4.889	3.1741	0.66864	3.78E+01	1.23E+00	3.23E-04	6.09E-01	7.45E-01	4.60E-01	2.25E+01	4.55E+00	5.88E+01
5704	486398.84	3856345.3	5.39247	0.67705	2.5663	17.1494	2.796	5.102	3.3523	0.67705	3.76E+01	1.25E+00	2.67E-04	6.04E-01	8.76E-01	4.80E-01	2.38E+01	4.60E+00	6.00E+01
5705	486473.51	3856408.77	5.38059	0.66825	2.6419	17.32962	3.265	5.098	3.3834	0.66825	3.75E+01	1.23E+00	2.75E-04	6.10E-01	1.02E+00	4.79E-01	2.40E+01	4.54E+00	6.03E+01
5706	486548.17	3856472.24	5.34863	0.68362	2.37092	16.86059	3.808	5.085	3.4223	0.68362	3.73E+01	1.26E+00	2.47E-04	5.93E-01	1.19E+00	4.78E-01	2.42E+01	4.65E+00	6.04E+01
5707	486622.84	3856535.7	5.28597	0.7022	2.40133	19.28098	4.592	5.024	3.4316	0.7022	3.69E+01	1.30E+00	2.50E-04	6.79E-01	1.44E+00	4.72E-01	2.43E+01	4.77E+00	6.03E+01
5708	486765.48	3856659.69	5.09957	0.80117	2.1074	15.68441	7.279	4.956	3.301	0.80117	3.56E+01	1.48E+00	2.19E-04	5.52E-01	2.28E+00	4.66E-01	2.34E+01	5.45E+00	5.83E+01
5709	486833.44	3856720.2	5.00738	0.82426	2.05908	18.22749	8.604	4.986	3.2759	0.82426	3.49E+01	1.52E+00	2.14E-04	6.42E-01	2.70E+00	4.69E-01	2.32E+01	5.60E+00	5.78E+01
5710	486901.41	3856780.72	4.89811	0.83473	2.18571	17.81127	11.08	4.996	3.2102	0.83473	3.41E+01	1.54E+00	2.28E-04	6.27E-01	3.47E+00	4.70E-01	2.27E+01	5.68E+00	5.73E+01
5711	486969.38	3856841.24	4.84211	0.86338	2.17479	17.41926	14.49	5.009	3.202	0.86338	3.38E+01	1.59E+00	2.26E-04	6.13E-01	4.54E+00	4.71E-01	2.27E+01	5.87E+00	5.78E+01
5712	487037.34	3856901.75	4.76479	0.89349	2.08085	16.85609	24.29	5.01	3.1836	0.89349	3.32E+01	1.65E+00	2.17E-04	5.93E-01	7.61E+00	4.71E-01	2.26E+01	6.08E+00	6.00E+01
5713	487271.23	3856855.51	3.91299	0.84168	1.8108	6.09683	30.81	3.27	2.2354	0.84168	2.73E+01	1.55E+00	1.89E-04	2.15E-01	9.65E+00	3.07E-01	1.58E+01	5.72E+00	4.91E+01
5714	487368.95	3856857.29	3.701	0.81693	1.71282	5.20956	36.4	2.963	2.0641	0.81693	2.58E+01	1.51E+00	1.78E-04	1.83E-01	1.14E+01	2.78E-01	1.46E+01	5.56E+00	4.82E+01
5715	487466.68	3856859.06	3.53063	0.80167	1.63063	4.57281	37.81	2.773	1.9256	0.80167	2.46E+01	1.48E+00	1.70E-04	1.61E-01	1.18E+01	2.61E-01	1.36E+01	5.45E+00	4.66E+01
5716	487636.44	3856930	3.37509	0.82568	1.51147	4.10834	49.22	2.652	1.8057	0.82568	2.35E+01	1.52E+00	1.57E-04	1.45E-01	1.54E+01	2.49E-01	1.28E+01	5.61E+00	4.81E+01
5717	487709.57	3856928.43	3.27331	0.84678	1.4685	3.80529	51.56	2.538	1.716	0.84678	2.28E+01	1.56E+00	1.53E-04	1.34E-01	1.62E+01	2.39E-01	1.22E+01	5.76E+00	4.73E+01
5718	487782.55	3856841.96	3.07571	0.78954	1.57445	3.31037	40	2.263	1.5533	0.78954	2.14E+01	1.46E+00	1.64E-04	1.17E-01	1.25E+01	2.13E-01	1.10E+01	5.37E+00	4.14E+01
5719	487849.83	3856754.74	2.9272	0.75297	1.6208	2.89271	31.74	2.059	1.4209	0.75297	2.04E+01	1.39E+00	1.69E-04	1.02E-01	9.95E+00	1.94E-01	1.01E+01	5.12E+00	3.70E+01

5720	487918.03	3856819.39	2.89991	0.78937	1.61268	2.9279	47.11	2.14	1.4316	0.78937	2.02E+01	1.46E+00	1.68E-04	1.03E-01	1.48E+01	2.01E-01	1.01E+01	5.37E+00	4.15E+01
5721	487918.8	3856886.37	2.98436	0.83721	1.49762	3.07725	54.02	2.24	1.48	0.83721	2.08E+01	1.55E+00	1.56E-04	1.08E-01	1.69E+01	2.11E-01	1.05E+01	5.69E+00	4.44E+01
5722	488065.46	3857127.5	3.08301	0.93106	1.50204	3.35824	68.73	2.458	1.5802	0.93106	2.15E+01	1.72E+00	1.56E-04	1.18E-01	2.15E+01	2.31E-01	1.12E+01	6.33E+00	5.00E+01
5723	488192.19	3857385.83	3.26546	1.11746	1.73171	3.86115	61.78	3.007	1.7038	1.11746	2.28E+01	2.06E+00	1.80E-04	1.36E-01	1.94E+01	2.83E-01	1.21E+01	7.60E+00	4.91E+01
5724	488191.21	3857473.87	3.41593	1.19075	1.70168	4.23474	58.17	3.381	1.8077	1.19075	2.38E+01	2.20E+00	1.77E-04	1.49E-01	1.82E+01	3.18E-01	1.28E+01	8.10E+00	4.94E+01
5725	488190.24	3857561.9	3.6248	1.29046	2.2914	4.6409	55.38	3.802	1.926	1.29046	2.53E+01	2.38E+00	2.39E-04	1.63E-01	1.74E+01	3.57E-01	1.36E+01	8.77E+00	5.04E+01
5726	488158.35	3857691.13	4.00717	1.43974	4.23795	6.17216	42.59	4.948	2.2437	1.43974	2.79E+01	2.66E+00	4.41E-04	2.17E-01	1.33E+01	4.65E-01	1.59E+01	9.79E+00	5.07E+01
5727	488208.37	3857816.66	4.22969	1.51378	8.53182	7.6407	28.65	6.979	2.4341	1.51378	2.95E+01	2.80E+00	8.88E-04	2.69E-01	8.98E+00	6.56E-01	1.72E+01	1.03E+01	4.91E+01
5728	488271.97	3857874.6	4.25595	1.57906	9.17823	7.76907	24.11	7.327	2.3843	1.57906	2.97E+01	2.92E+00	9.56E-04	2.73E-01	7.55E+00	6.89E-01	1.69E+01	1.07E+01	4.73E+01
5729	488463.56	3857942.31	3.93741	1.63475	8.27929	6.03664	18.37	5.956	2.1603	1.63475	2.75E+01	3.02E+00	8.62E-04	2.12E-01	5.75E+00	5.60E-01	1.53E+01	1.11E+01	4.12E+01
5730	488554.83	3857940.83	3.73705	1.57109	7.48405	5.19377	15.9	5.383	2.0186	1.57109	2.61E+01	2.90E+00	7.79E-04	1.83E-01	4.98E+00	5.06E-01	1.43E+01	1.07E+01	3.82E+01
5731	488646.1	3857939.36	3.52977	1.51502	6.9023	4.64426	14.45	4.993	1.8817	1.51502	2.46E+01	2.80E+00	7.19E-04	1.63E-01	4.53E+00	4.69E-01	1.33E+01	1.03E+01	3.56E+01
5732	488737.37	3857937.88	3.37896	1.46195	6.50819	4.25525	13.05	4.677	1.7624	1.46195	2.36E+01	2.70E+00	6.78E-04	1.50E-01	4.09E+00	4.40E-01	1.25E+01	9.94E+00	3.35E+01
5733	488733.59	3857960.57	3.43626	1.48496	6.5266	4.47543	12.14	4.704	1.7883	1.48496	2.40E+01	2.74E+00	6.79E-04	1.58E-01	3.80E+00	4.42E-01	1.27E+01	1.01E+01	3.37E+01
5734	488638.09	3857961.57	3.6127	1.54189	7.0637	4.91473	13.97	5.088	1.921	1.54189	2.52E+01	2.85E+00	7.35E-04	1.73E-01	4.38E+00	4.78E-01	1.36E+01	1.05E+01	3.62E+01
5735	488542.6	3857962.56	3.82454	1.60105	7.68859	5.49662	15.7	5.586	2.0791	1.60105	2.67E+01	2.96E+00	8.00E-04	1.93E-01	4.92E+00	5.25E-01	1.47E+01	1.09E+01	3.91E+01
5736	488447.1	3857963.56	4.04444	1.65162	8.50383	6.51327	18.59	6.234	2.234	1.65162	2.82E+01	3.05E+00	8.85E-04	2.29E-01	5.82E+00	5.86E-01	1.58E+01	1.12E+01	4.25E+01
5737	488254.28	3857890.36	4.39579	1.60824	10.26341	8.58477	23.33	7.885	2.4667	1.60824	3.06E+01	2.97E+00	1.07E-03	3.02E-01	7.31E+00	7.41E-01	1.75E+01	1.09E+01	4.85E+01
5738	488191.69	3857833.06	4.36878	1.52755	8.88344	8.48754	27.84	7.647	2.5093	1.52755	3.05E+01	2.82E+00	9.25E-04	2.99E-01	8.72E+00	7.19E-01	1.78E+01	1.04E+01	5.04E+01
5739	488129.5	3857907.43	4.90701	1.66331	11.34054	17.72093	15.68	11.89	3.0008	1.66331	3.42E+01	3.07E+00	1.18E-03	6.24E-01	4.91E+00	1.12E+00	2.13E+01	1.13E+01	5.39E+01
5740	488196.47	3857968.73	4.91525	1.78524	11.17148	18.20805	12.44	10.8	3.0051	1.78524	3.43E+01	3.30E+00	1.16E-03	6.41E-01	3.90E+00	1.02E+00	2.13E+01	1.21E+01	5.23E+01
5741	488263.44	3858030.04	4.90954	1.89312	10.36044	18.25351	10.71	10.27	2.9577	1.89312	3.42E+01	3.50E+00	1.08E-03	6.42E-01	3.36E+00	9.66E-01	2.10E+01	1.29E+01	5.08E+01
5742	488400.64	3858132.9	4.89517	2.04139	6.98949	14.32368	9.78	9.068	2.8202	2.04139	3.41E+01	3.77E+00	7.28E-04	5.04E-01	3.06E+00	8.52E-01	2.00E+01	1.39E+01	4.84E+01
5743	488519.89	3858218.38	4.88522	2.24145	5.94308	12.68667	9.403	8.28	2.9043	2.24145	3.41E+01	4.14E+00	6.19E-04	4.47E-01	2.95E+00	7.78E-01	2.06E+01	1.52E+01	4.77E+01
5744	488647.97	3858214.99	4.46815	2.01629	5.60797	8.20522	10.56	6.666	2.5074	2.01629	3.12E+01	3.72E+00	5.84E-04	2.89E-01	3.31E+00	6.27E-01	1.78E+01	1.37E+01	4.32E+01
5745	488727.05	3858167.67	4.11231	1.82211	5.11858	6.3666	10.72	5.824	2.2157	1.82211	2.87E+01	3.37E+00	5.33E-04	2.24E-01	3.36E+00	5.47E-01	1.57E+01	1.24E+01	3.95E+01
5746	488806.12	3858120.35	3.84777	1.66063	5.04605	5.23819	9.367	5.093	1.9863	1.66063	2.68E+01	3.07E+00	5.25E-04	1.84E-01	2.94E+00	4.79E-01	1.41E+01	1.13E+01	3.63E+01
5747	488885.2	3858073.03	3.63686	1.53661	5.15043	4.46126	9.075	4.55	1.7931	1.53661	2.54E+01	2.84E+00	5.36E-04	1.57E-01	2.84E+00	4.28E-01	1.27E+01	1.04E+01	3.39E+01
5748	489055.76	3857991.17	3.29264	1.32069	5.19937	3.67854	11.86	3.818	1.5216	1.32069	2.30E+01	2.44E+00	5.41E-04	1.29E-01	3.72E+00	3.59E-01	1.08E+01	8.98E+00	3.14E+01
5749	489245.39	3857944.54	3.16112	1.19899	4.6071	3.15704	12.48	3.346	1.358	1.19899	2.20E+01	2.21E+00	4.80E-04	1.11E-01	3.91E+00	3.14E-01	9.62E+00	8.15E+00	3.01E+01
5750	489430.63	3857930.91	3.25898	1.12994	4.12166	2.82002	13.38	3.058	1.2402	1.12994	2.27E+01	2.09E+00	4.29E-04	9.93E-02	4.19E+00	2.87E-01	8.79E+00	7.68E+00	3.05E+01
5751	489517.74	3857929.36	3.21405	1.09487	3.91119	2.74818	13.03	2.949	1.1967	1.09487	2.24E+01	2.02E+00	4.07E-04	9.67E-02	4.08E+00	2.77E-01	8.48E+00	7.44E+00	2.99E+01
5752	489604.85	3857927.82	3.19521	1.05627	3.73788	2.90575	12.37	2.843	1.1446	1.05627	2.23E+01	1.95E+00	3.89E-04	1.02E-01	3.87E+00	2.67E-01	8.11E+00	7.18E+00	2.94E+01
5753	489691.97	3857926.28	3.16179	1.02738	3.59995	2.80477	12.03	2.744	1.1033	1.02738	2.20E+01	1.90E+00	3.75E-04	9.87E-02	3.77E+00	2.58E-01	7.82E+00	6.99E+00	2.89E+01
5754	489779.08	3857924.73	3.10793	0.99629	3.36041	2.95256	11.3	2.641	1.0616	0.99629	2.17E+01	1.84E+00	3.50E-04	1.04E-01	3.54E+00	2.48E-01	7.52E+00	6.77E+00	2.81E+01
5755	490017.55	3857875.08	2.71768	0.86575	2.72988	2.74296	12.64	2.319	0.931	0.86575	1.89E+01	1.60E+00	2.84E-04	9.65E-02	3.96E+00	2.18E-01	6.60E+00	5.89E+00	2.55E+01
5756	490033.82	3857960.81	3.08246	0.91869	2.53507	3.40626	9.945	2.362	0.9692	0.91869	2.15E+01	1.70E+00	2.64E-04	1.20E-01	3.12E+00	2.22E-01	6.87E+00	6.25E+00	2.73E+01
5757	489959.15	3857987.49	3.14457	0.98053	2.58757	3.32796	10.2	2.467	1.0184	0.98053	2.19E+01	1.81E+00	2.69E-04	1.17E-01	3.19E+00	2.32E-01	7.22E+00	6.67E+00	2.78E+01
5758	489791.49	3858016.12	3.11427	1.04551	2.81754	3.50525	11.13	2.638	1.088	1.04551	2.17E+01	1.93E+00	2.93E-04	1.23E-01	3.49E+00	2.48E-01	7.71E+00	7.11E+00	2.81E+01
5759	489698.51	3858018.07	3.18434	1.0861	3.03774	3.47506	11.5	2.735	1.1313	1.0861	2.22E+01	2.01E+00	3.16E-04	1.22E-01	3.60E+00	2.57E-01	8.02E+00	7.39E+00	2.88E+01
5760	489605.52	3858020.01	3.23796	1.1258	3.28368	3.24759	11.38	2.875	1.1799	1.1258	2.26E+01	2.08E+00	3.42E-04	1.14E-01	3.57E+00	2.70E-01	8.36E+00	7.66E+00	2.93E+01
5761	489512.53	3858021.96	3.29782	1.15994	3.46967	3.36659	11.09	3.016	1.2262	1.15994	2.30E+01	2.14E+00	3.61E-04	1.18E-01	3.48E+00	2.83E-01	8.69E+00	7.89E+00	2.98E+01
5762	489419.55	3858023.91	3.35577	1.19766	3.85543	3.34153	11.07	3.167	1.2893	1.19766	2.34E+01	2.21E+00	4.01E-04	1.18E-01	3.47E+00	2.98E-01	9.14E+00	8.14E+00	3.05E+01
5763	489228.47	3858041.29	3.63956	1.28582	3.96082	3.62922	10.47	3.503	1.4114	1.28582	2.54E+01	2.37E+00	4.12E-04	1.28E-01	3.28E+00	3.29E-01	1.00E+01	8.74E+00	3.27E+01
5764	489065.75	3858085.78	3.84564	1.43091	4.41754	4.03676	8.905	4.099	1.6007	1.43091	2.68E+01	2.64E+00	4.60E-04	1.42E-01	2.79E+00	3.85E-01	1.13E+01	9.73E+00	3.44E+01
5765	489001.12	3858114.86	3.93787	1.51181	4.40688	4.31511	8.289	4.35	1.7187	1.51181	2.75E+01	2.79E+00	4.59E-04	1.52E-01	2.60E+00	4.09E-01	1.22E+01	1.03E+01	3.53E+01
5766	488861.89	3858189.81	4.24061	1.73145	4.63638	5.4198	8.795	5.193	2.0272	1.73145	2.96E+01	3.20E+00	4.83E-04	1.91E-01	2.76E+00	4.88E-01	1.44E+01	1.18E+01	3.88E+01
5767	488787.29	3858235.69	4.51009	1.88971	4.88227	6.54138	9.501	5.818	2.2436	1.88971	3.14E+01	3.49E+00	5.08E-04	2.30E-01	2.98E+00	5.47E-01	1.59E+01	1.28E+01	4.17E+01
5768	488712.68	3858281.57	4.78903	2.13681	4.78373	8.36817	9.363	6.693	2.5147	2.13681	3.34E+01	3.95E+00	4.98E-04	2.95E-01	2.93E+00	6.29E-01	1.78E+01	1.45E+01	4.45E+01
5769	488654.39	3858436.17	4.85187	2.84021	4.34014	18.11476	4.972	9.498	3.5067	2.84021	3.38E+01	5.25E+00	4.52E-04	6.38E-01	1.56E+00	8.93E-01	2.48E+01	1.93E+01	4.77E+01
5770	488726.3	3858505.26	4.51586	2.94071	4.18141	17.76398	4.723	8.756	3.5314	2.94071	3.15E+01	5.43E+00	4.35E-04	6.25E-01	1.48E+00	8.23E-01	2.50E+01	2.00E+01	4.49E+01
5771	488880.6	3858599.28	4.73141	2.98427	3.27345	19.35366	4.74	10.04	3.2414	2.98427	3.30E+01	5.51E+00	3.41E-04	6.81E-01	1.49E+00	9.43E-01	2.30E+01	2.03E+01	4.43E+01
5772	489008.06	3858714.75	4.24104	3.27476	2.22289	19.99214	4.448	10.09	3.3186	3.27476	2.96E+01	6.05E+00	2.31E-04	7.04E-01	1.39E+00	9.49E-01	2.35E+01	2.23E+01	3.99E+01
5773	489071.48	3858772.72	4.01079	3.40507	2.02934	20.3496	3.886	9.91	3.4221	3.40507	2.80E+01	6.29E+00	2.11E-04	7.16E-01	1.22E+00	9.32E-01	2.42E+01	2.32E+01	3.82E+01
5774	489244.59	3858920.19	3.75989	3.77034	1.82935	24.97124	2.988	9.296	3.6639	3.77034	2.62E+01	6.96E+00	1.90E-04	8.79E-01	9.36E-01	8.74E-01	2.60E+01	2.56E+01	3.62E+01
5775	489239.69	3858952.23	3.80006	4.03677	1.92069	23.91236	2.81	11.08	3.9746	4.03677	2.65E+01	7.46E+00	2.00E-04	8.42E-01	8.80E-01	1.04E+00	2.82E+01	2.74E+01	3.74E+01
5776	489121.67	3858854.49	3.99582	3.7871	1.95889	22.30279	3.577	10.23	3.8024	3.7871	2.79E+01	6.99E+00	2.04E-04	7.85E-01	1.12E+00	9.61E-01	2.69E+01	2.58E+01	3.89E+01
5777	489059.59	3858797.27	4.0303	3.61229	1.91958	21.84433	3.664	9.67	3.6648	3.61229	2.81E+01	6.67E+00	2.00E-04	7.69E-01	1.15E+00	9.09E-01	2.60E+01	2.46E+01	3.90E+01
5778	488997.52	3858740.04	4.23334	3.44981	2.14985	21.52064	3.761	9.562	3.5757	3.44981	2.95E+01	6.37E+00	2.24E-04	7.57E-01	1.18E+00	8.99E-01	2.53E+01	2.35E+01	4.06E+01

5779	488935.44	3858682.82	4.51317	3.31856	2.51688	20.82715	3.853	9.777	3.4789	3.31856	3.15E+01	6.13E+00	2.62E-04	7.33E-01	1.21E+00	9.19E-01	2.46E+01	2.26E+01	4.25E+01
5780	488869.17	3858848.43	4.82197	5.51677	2.01232	8.40544	2.852	4.272	7.3187	5.51677	3.36E+01	1.02E+01	2.09E-04	2.96E-01	8.94E-01	4.02E-01	5.19E+01	3.75E+01	5.97E+01
5781	488932.48	3858892.69	4.76382	5.67744	1.87958	8.98159	2.624	4.214	7.2208	5.67744	3.32E+01	1.05E+01	1.96E-04	3.16E-01	8.22E-01	3.96E-01	5.12E+01	3.86E+01	5.78E+01
5782	489063.27	3858977.17	4.41118	5.94779	1.88549	11.95347	2.286	4.441	6.4935	5.94779	3.08E+01	1.10E+01	1.96E-04	4.21E-01	7.16E-01	4.17E-01	4.60E+01	4.04E+01	4.89E+01
5783	489248.2	3859117.15	3.72872	7.62128	2.2204	10.94712	1.878	4.532	7.7066	7.62128	2.60E+01	1.41E+01	2.31E-04	3.85E-01	5.88E-01	4.26E-01	5.46E+01	5.18E+01	4.43E+01
5784	489296.25	3859049.22	3.62729	4.82789	2.24029	12.97427	2.617	6.281	4.7132	4.82789	2.53E+01	8.92E+00	2.33E-04	4.57E-01	8.20E-01	5.90E-01	3.34E+01	3.28E+01	3.66E+01
5785	489353.38	3858993.96	3.56736	3.88187	1.90974	21.04667	2.525	9.388	3.704	3.88187	2.49E+01	7.17E+00	1.99E-04	7.41E-01	7.91E-01	8.82E-01	2.62E+01	2.64E+01	3.43E+01
5786	489537.24	3859120.22	3.4847	4.06379	3.12204	19.05795	2.01	9.74	3.9607	4.06379	2.43E+01	7.51E+00	3.25E-04	6.71E-01	6.30E-01	9.16E-01	2.81E+01	2.76E+01	3.44E+01
5787	489726.98	3859246.04	3.49548	4.25727	10.45188	19.59275	1.604	9.292	4.2059	4.25727	2.44E+01	7.86E+00	1.09E-03	6.90E-01	5.02E-01	8.73E-01	2.98E+01	2.89E+01	3.52E+01
5788	489911.46	3859366.33	3.26688	4.46254	36.74387	18.79795	1.52	8.513	4.4309	4.46254	2.28E+01	8.24E+00	3.83E-03	6.62E-01	4.76E-01	8.00E-01	3.14E+01	3.03E+01	3.40E+01
5789	490035.3	3859430.26	3.31253	4.44137	35.16665	18.20653	1.341	9.068	4.4246	4.44137	2.31E+01	8.20E+00	3.66E-03	6.41E-01	4.20E-01	8.52E-01	3.13E+01	3.02E+01	3.44E+01
5790	490101.11	3859458.61	3.26744	4.34383	26.23927	18.45716	1.323	9.521	4.3823	4.34383	2.28E+01	8.02E+00	2.73E-03	6.50E-01	4.15E-01	8.95E-01	3.11E+01	2.95E+01	3.43E+01
5791	490312.68	3859560.3	2.96216	4.72139	13.13167	20.30018	1.159	8.514	4.6911	4.72139	2.07E+01	8.72E+00	1.37E-03	7.14E-01	3.63E-01	8.00E-01	3.32E+01	3.21E+01	3.24E+01
5792	490401.63	3859603.12	2.96406	4.86318	10.77431	20.24906	1.183	8.55	4.8568	4.86318	2.07E+01	8.98E+00	1.12E-03	7.13E-01	3.71E-01	8.04E-01	3.44E+01	3.31E+01	3.29E+01
5793	490490.57	3859645.94	2.96088	5.0298	9.76819	20.00869	1.184	8.417	5.0496	5.0298	2.06E+01	9.29E+00	1.02E-03	7.04E-01	3.71E-01	7.91E-01	3.58E+01	3.42E+01	3.34E+01
5794	490579.51	3859688.76	2.95205	5.16668	8.23275	19.89418	1.006	8.349	5.1961	5.16668	2.06E+01	9.54E+00	8.57E-04	7.00E-01	3.15E-01	7.85E-01	3.68E+01	3.51E+01	3.36E+01
5795	490668.45	3859731.58	2.92445	4.94406	7.01156	19.67353	0.891	8.255	5.0075	4.94406	2.04E+01	9.13E+00	7.30E-04	6.92E-01	2.79E-01	7.76E-01	3.55E+01	3.36E+01	3.31E+01
5796	490757.4	3859774.4	2.86086	5.28101	5.68377	20.23462	0.886	8.361	5.3689	5.28101	1.99E+01	9.75E+00	5.92E-04	7.12E-01	2.78E-01	7.86E-01	3.80E+01	3.59E+01	3.36E+01
5797	491003.53	3859861.82	2.60851	4.92532	4.16726	20.19958	0.921	7.914	5.1073	4.92532	1.82E+01	9.10E+00	4.34E-04	7.11E-01	2.88E-01	7.44E-01	3.62E+01	3.35E+01	3.17E+01
5798	491081.41	3859879.05	2.58564	4.71168	4.01084	22.52966	0.887	8.334	4.7984	4.71168	1.80E+01	8.70E+00	4.18E-04	7.93E-01	2.78E-01	7.83E-01	3.40E+01	3.20E+01	3.05E+01
5799	491229.76	3859917.82	2.61863	4.30817	3.57553	23.48312	0.815	9.197	4.2604	4.30817	1.83E+01	7.96E+00	3.72E-04	8.27E-01	2.55E-01	8.64E-01	3.02E+01	2.93E+01	2.91E+01
5800	491300.22	3859939.35	2.61198	4.11133	3.35337	22.58343	0.856	9.078	4.0686	4.11133	1.82E+01	7.59E+00	3.49E-04	7.95E-01	2.68E-01	8.53E-01	2.88E+01	2.80E+01	2.86E+01
5801	491350.48	3860012.03	2.73968	4.6487	2.59071	12.60753	0.768	9.988	4.5486	4.6487	1.91E+01	8.59E+00	2.70E-04	4.44E-01	2.40E-01	9.39E-01	3.22E+01	3.16E+01	2.99E+01
5802	491406.82	3860092.56	2.39057	4.88832	2.14451	6.81459	0.771	5.499	4.8737	4.88832	1.67E+01	9.03E+00	2.23E-04	2.40E-01	2.41E-01	5.17E-01	3.45E+01	3.32E+01	2.80E+01
5803	491483.36	3860121.96	2.32233	4.56491	2.02678	6.52598	0.735	5.304	4.5737	4.56491	1.62E+01	8.43E+00	2.11E-04	2.30E-01	2.30E-01	4.99E-01	3.24E+01	3.10E+01	2.69E+01
5804	491559.91	3860151.35	2.31444	4.24341	1.91656	5.9792	0.728	4.809	4.2381	4.24341	1.61E+01	7.84E+00	2.00E-04	2.10E-01	2.28E-01	4.52E-01	3.00E+01	2.89E+01	2.60E+01
5805	491711.81	3860237.76	2.40165	2.99949	1.65217	4.2629	0.747	4.006	2.8882	2.99949	1.67E+01	5.54E+00	1.72E-04	1.50E-01	2.34E-01	3.77E-01	2.05E+01	2.04E+01	2.31E+01
5806	491755.2	3860319.07	2.32155	4.0474	1.30406	2.98476	0.679	2.955	3.9959	4.0474	1.62E+01	7.48E+00	1.36E-04	1.05E-01	2.13E-01	2.78E-01	2.83E+01	2.75E+01	2.50E+01
5807	491704.71	3860366.54	2.10784	4.8274	1.09514	2.76874	0.691	2.682	4.8551	4.8274	1.47E+01	8.92E+00	1.14E-04	9.74E-02	2.17E-01	2.52E-01	3.44E+01	3.28E+01	2.58E+01
5808	491623.42	3860462.39	1.61342	6.64302	0.71854	2.22482	0.686	2.349	6.2557	6.64302	1.12E+01	1.23E+01	7.48E-05	7.83E-02	2.15E-01	2.21E-01	4.43E+01	4.52E+01	2.32E+01
5809	491534.02	3860439.84	1.45641	3.50905	0.71988	2.73466	0.706	2.618	3.5456	3.50905	1.02E+01	6.48E+00	7.49E-05	9.62E-02	2.21E-01	2.46E-01	2.51E+01	2.39E+01	1.85E+01
5810	491313.95	3860268.17	1.6393	4.26316	0.92439	3.37173	0.724	2.536	4.4511	4.26316	1.14E+01	7.87E+00	9.62E-05	1.19E-01	2.27E-01	2.38E-01	3.15E+01	2.90E+01	2.24E+01
5811	491187.12	3860143.56	1.75179	4.97901	1.38718	4.45273	0.758	3.178	5.2228	4.97901	1.22E+01	9.20E+00	1.44E-04	1.57E-01	2.37E-01	2.99E-01	3.70E+01	3.39E+01	2.53E+01
5812	491070.43	3860075.97	1.85264	4.91039	1.74829	5.31353	0.774	3.623	4.9919	4.91039	1.29E+01	9.07E+00	1.82E-04	1.87E-01	2.42E-01	3.41E-01	3.54E+01	3.34E+01	2.47E+01
5813	490995.09	3860039.38	1.8574	4.86852	1.9102	5.71363	0.779	3.732	4.8967	4.86852	1.29E+01	8.99E+00	1.99E-04	2.01E-01	2.44E-01	3.51E-01	3.47E+01	3.31E+01	2.43E+01
5814	490919.75	3860002.8	1.83628	5.04482	2.10115	6.14644	0.806	3.944	5.0113	5.04482	1.28E+01	9.32E+00	2.19E-04	2.16E-01	2.52E-01	3.71E-01	3.55E+01	3.43E+01	2.42E+01
5815	490756.81	3859894.53	2.07927	8.46901	3.20091	8.28022	0.962	5.152	7.9667	8.46901	1.45E+01	1.56E+01	3.33E-04	2.91E-01	3.01E-01	4.84E-01	5.64E+01	5.76E+01	3.01E+01
5816	490668.07	3859860.92	2.12126	7.83885	3.4887	7.75972	0.941	4.569	7.5564	7.83885	1.48E+01	1.45E+01	3.63E-04	2.73E-01	2.95E-01	4.29E-01	5.35E+01	5.33E+01	3.05E+01
5817	490579.34	3859827.3	2.14927	7.7426	3.69902	7.67959	0.916	4.417	7.3925	7.7426	1.50E+01	1.43E+01	3.85E-04	2.70E-01	2.87E-01	4.15E-01	5.24E+01	5.26E+01	3.00E+01
5818	490490.6	3859793.68	2.1906	7.18143	3.8047	7.25719	0.929	4.168	6.9292	7.18143	1.53E+01	1.33E+01	3.96E-04	2.55E-01	2.91E-01	3.92E-01	4.91E+01	4.88E+01	2.97E+01
5819	490401.86	3859760.07	2.26568	6.57836	4.12362	7.09565	0.988	4.092	6.5778	6.57836	1.58E+01	1.21E+01	4.29E-04	2.50E-01	3.10E-01	3.85E-01	4.66E+01	4.47E+01	3.08E+01
5820	490313.12	3859726.45	2.34793	6.54056	4.73301	6.92112	0.988	3.882	6.6341	6.54056	1.64E+01	1.21E+01	4.93E-04	2.44E-01	3.10E-01	3.65E-01	4.70E+01	4.45E+01	3.19E+01
5821	490224.39	3859692.83	2.43833	6.7269	5.51901	7.00704	1.121	3.87	6.8648	6.7269	1.70E+01	1.24E+01	5.75E-04	2.47E-01	3.51E-01	3.64E-01	4.86E+01	4.57E+01	3.33E+01
5822	490135.65	3859659.22	2.52754	6.96626	6.11779	7.32786	1.269	3.895	7.173	6.96626	1.76E+01	1.29E+01	6.37E-04	2.58E-01	3.97E-01	3.66E-01	5.08E+01	4.74E+01	3.50E+01
5823	489918.18	3859559.23	2.65004	7.02991	12.0744	7.31694	1.501	3.925	7.0486	7.02991	1.85E+01	1.30E+01	1.26E-03	2.58E-01	4.70E-01	3.69E-01	4.99E+01	4.78E+01	3.47E+01
5824	489743.61	3859486	2.75349	6.15983	15.79303	6.71261	1.585	3.824	6.108	6.15983	1.92E+01	1.14E+01	1.64E-03	2.36E-01	4.97E-01	3.59E-01	4.33E+01	4.19E+01	3.31E+01
5825	489660.32	3859440.27	2.84247	6.18984	29.5185	6.34927	1.828	3.824	6.2172	6.18984	1.98E+01	1.14E+01	3.07E-03	2.23E-01	5.73E-01	3.59E-01	4.41E+01	4.21E+01	3.44E+01
5826	489577.04	3859394.53	2.98758	6.27426	13.94692	6.44225	1.699	3.906	6.0735	6.27426	2.08E+01	1.16E+01	1.45E-03	2.27E-01	5.32E-01	3.67E-01	4.30E+01	4.27E+01	3.39E+01
5827	489493.75	3859348.8	3.00636	6.19178	8.14762	6.58087	1.575	3.844	5.957	6.19178	2.10E+01	1.14E+01	8.48E-04	2.32E-01	4.94E-01	3.61E-01	4.22E+01	4.21E+01	3.36E+01
5828	489321.28	3859240.02	3.20835	6.80441	3.00069	7.88797	1.616	3.923	6.2723	6.80441	2.24E+01	1.26E+01	3.12E-04	2.78E-01	5.06E-01	3.69E-01	4.44E+01	4.63E+01	3.43E+01
5829	489235.41	3859193.96	3.40523	6.96514	2.28932	11.26857	1.922	3.99	6.2687	6.96514	2.37E+01	1.29E+01	2.38E-04	3.97E-01	6.02E-01	3.75E-01	4.44E+01	4.74E+01	3.50E+01
5830	489149.54	3859147.89	3.6425	6.54955	1.96225	10.4305	1.957	4.153	5.8348	6.54955	2.54E+01	1.21E+01	2.04E-04	3.67E-01	6.13E-01	3.90E-01	4.13E+01	4.45E+01	3.57E+01
5831	489063.68	3859101.82	4.02429	6.64174	1.71545	9.02366	2.225	4.16	5.6967	6.64174	2.81E+01	1.23E+01	1.79E-04	3.18E-01	6.97E-01	3.91E-01	4.04E+01	4.52E+01	3.69E+01
5832	488977.81	3859055.75	4.33892	6.7147	1.5335	7.92214	2.26	4.101	5.3385	6.7147	3.02E+01	1.24E+01	1.60E-04	2.79E-01	7.08E-01	3.85E-01	3.78E+01	4.57E+01	3.62E+01
5833	488891.94	3859009.69	4.698	6.48077	1.54094	6.40813	2.178	4.141	5.0393	6.48077	3.28E+01	1.20E+01	1.60E-04	2.26E-01	6.82E-01	3.89E-01	3.57E+01	4.41E+01	3.77E+01
5834	488808	3859060.73	4.86825	4.24593	1.31276	5.28547	2.07	4.065	3.1104	4.24593	3.39E+01	7.84E+00	1.37E-04	1.86E-01	6.49E-01	3.82E-01	2.20E+01	2.89E+01	3.62E+01
5835	488809.93	3859157.85	4.76953	2.97915	1.09851	5.02723	1.753	4.147	2.5202	2.97915	3.33E+01	5.50E+00	1.14E-04	1.77E-01	5.49E-01	3.90E-01	1.79E+01	2.03E+01	3.75E+01
5836	488811.85	3859254.96	4.57304	2.53647	1.18487	4.70037	1.451	4.265	2.1939	2.53647	3.19E+01	4.68E+00	1.23E-04	1.65E-01	4.55E-01	4.01E-01	1.55E+01	1.72E+01	3.59E+01
5837	488813.78	3859352.07	4.44501	2.10489	0.94153	4.32158	1.177	3.797	1.9118	2.10489	3.10E+01	3.89E+00	9.80E-05	1.52E-01	3.69E-01	3.57E-01	1.35E+01	1.43E+01	3.50E+01

5838	488815.71	3859449.19	4.40448	1.83886	0.96041	4.03074	0.926	3.526	1.7256	1.83886	3.07E+01	3.40E+00	1.00E-04	1.42E-01	2.90E-01	3.31E-01	1.22E+01	1.25E+01	3.46E+01
5839	488910.04	3859547.1	4.17013	1.74553	1.12414	4.20558	1.01	3.2	1.6675	1.74553	2.91E+01	3.22E+00	1.17E-04	1.48E-01	3.16E-01	3.01E-01	1.18E+01	1.19E+01	3.30E+01
5840	489002.45	3859547.91	4.01897	1.83391	1.3531	4.94835	1.19	2.995	1.7639	1.83391	2.80E+01	3.39E+00	1.41E-04	1.74E-01	3.73E-01	2.82E-01	1.25E+01	1.25E+01	3.23E+01
5841	489094.85	3859548.71	3.88158	1.97126	1.67949	6.1854	1.543	2.883	1.9123	1.97126	2.71E+01	3.64E+00	1.75E-04	2.18E-01	4.83E-01	2.71E-01	1.35E+01	1.34E+01	3.18E+01
5842	489230.05	3859601.87	4.01946	2.0105	2.75573	10.66609	1.682	2.724	1.9785	2.0105	2.80E+01	3.71E+00	2.87E-04	3.75E-01	5.27E-01	2.56E-01	1.40E+01	1.37E+01	3.32E+01
5843	489227.52	3859680.89	3.89905	1.81046	2.44378	10.80813	1.608	2.621	1.7707	1.81046	2.72E+01	3.34E+00	2.54E-04	3.80E-01	5.04E-01	2.46E-01	1.25E+01	1.23E+01	3.19E+01
5844	489133.47	3859760.29	3.53224	1.60886	2.19812	6.92177	1.045	2.874	1.5551	1.60886	2.46E+01	2.97E+00	2.29E-04	2.44E-01	3.27E-01	2.70E-01	1.10E+01	1.09E+01	2.85E+01
5845	489041.96	3859760.67	3.54794	1.53597	1.79592	5.04889	0.886	3.117	1.4666	1.53597	2.47E+01	2.84E+00	1.87E-04	1.78E-01	2.78E-01	2.93E-01	1.04E+01	1.04E+01	2.83E+01
5846	488950.45	3859761.05	3.58156	1.47481	1.51557	4.12735	0.591	3.334	1.3741	1.47481	2.50E+01	2.72E+00	1.58E-04	1.45E-01	1.85E-01	3.13E-01	9.74E+00	1.00E+01	2.80E+01
5847	488858.94	3859761.43	3.62502	1.42867	1.33626	3.55135	0.633	3.596	1.3137	1.42867	2.53E+01	2.64E+00	1.39E-04	1.25E-01	1.98E-01	3.38E-01	9.31E+00	9.71E+00	2.82E+01
5848	488767.43	3859761.82	3.57689	1.38013	1.29828	3.24758	0.542	3.986	1.2692	1.38013	2.49E+01	2.55E+00	1.35E-04	1.14E-01	1.70E-01	3.75E-01	8.99E+00	9.38E+00	2.78E+01
5849	488675.92	3859762.2	3.62897	1.35704	1.18821	2.96224	0.452	4.443	1.2285	1.35704	2.53E+01	2.51E+00	1.24E-04	1.04E-01	1.41E-01	4.18E-01	8.70E+00	9.23E+00	2.79E+01
5850	488584.41	3859762.58	3.74345	1.29918	1.16347	2.81749	0.374	4.979	1.1756	1.29918	2.61E+01	2.40E+00	1.21E-04	9.92E-02	1.17E-01	4.68E-01	8.33E+00	8.83E+00	2.87E+01
5851	488492.9	3859762.96	3.79004	1.22847	1.11896	2.55738	0.34	5.839	1.1258	1.22847	2.64E+01	2.27E+00	1.16E-04	9.00E-02	1.06E-01	5.49E-01	7.98E+00	8.35E+00	2.91E+01
5852	488402.76	3859830.95	3.70623	1.16096	1.37798	2.32442	0.368	7.224	1.0492	1.16096	2.58E+01	2.14E+00	1.43E-04	8.18E-02	1.15E-01	6.79E-01	7.43E+00	7.89E+00	2.84E+01
5853	488404.14	3859898.55	3.65181	1.09404	1.06559	2.31076	0.348	7.091	1.0213	1.09404	2.55E+01	2.02E+00	1.11E-04	8.13E-02	1.09E-01	6.67E-01	7.24E+00	7.44E+00	2.81E+01
5854	488505.18	3859964.96	3.41654	1.10751	1.07167	2.3843	0.327	5.408	1.0138	1.10751	2.38E+01	2.05E+00	1.12E-04	8.39E-02	1.02E-01	5.08E-01	7.18E+00	7.53E+00	2.62E+01
5855	488604.84	3859963.76	3.37859	1.15323	1.10872	2.50144	0.271	4.583	1.07	1.15323	2.36E+01	2.13E+00	1.15E-04	8.80E-02	8.48E-02	4.31E-01	7.58E+00	7.84E+00	2.60E+01
5856	488704.51	3859962.56	3.32949	1.20763	1.19175	2.93849	0.321	4.019	1.1195	1.20763	2.32E+01	2.23E+00	1.24E-04	1.03E-01	1.01E-01	3.78E-01	7.93E+00	8.21E+00	2.57E+01
5857	488804.18	3859961.37	3.31515	1.25624	1.42332	3.21504	0.457	3.697	1.1568	1.25624	2.31E+01	2.32E+00	1.48E-04	1.13E-01	1.43E-01	3.48E-01	8.20E+00	8.54E+00	2.57E+01
5858	488903.85	3859960.17	3.35753	1.31522	1.2468	3.63176	0.529	3.341	1.1999	1.31522	2.34E+01	2.43E+00	1.30E-04	1.28E-01	1.66E-01	3.14E-01	8.50E+00	8.94E+00	2.60E+01
5859	489003.52	3859958.97	3.40724	1.36338	1.16201	4.40893	0.476	3.094	1.2437	1.36338	2.38E+01	2.52E+00	1.21E-04	1.55E-01	1.49E-01	2.91E-01	8.81E+00	9.27E+00	2.64E+01
5860	489103.18	3859957.77	3.42902	1.41053	0.8993	5.90136	0.61	2.893	1.294	1.41053	2.39E+01	2.61E+00	9.36E-05	2.08E-01	1.91E-01	2.72E-01	9.17E+00	9.59E+00	2.68E+01
5861	489201.48	3860046.59	4.0439	1.36822	1.00028	7.26884	0.69	2.823	1.2732	1.36822	2.82E+01	2.53E+00	1.04E-04	2.56E-01	2.16E-01	2.65E-01	9.02E+00	9.30E+00	3.12E+01
5862	489200.11	3860136.61	3.99941	1.27978	0.80827	7.65629	0.511	2.757	1.1888	1.27978	2.79E+01	2.36E+00	8.41E-05	2.69E-01	1.60E-01	2.59E-01	8.42E+00	8.70E+00	3.07E+01
5863	489198.74	3860226.63	4.13564	1.21699	0.88078	9.20073	0.415	2.757	1.0999	1.21699	2.88E+01	2.25E+00	9.17E-05	3.24E-01	1.30E-01	2.59E-01	7.79E+00	8.28E+00	3.13E+01
5864	489197.38	3860316.66	3.98854	1.1406	0.75399	9.56804	0.338	2.678	1.0099	1.1406	2.78E+01	2.11E+00	7.85E-05	3.37E-01	1.06E-01	2.52E-01	7.16E+00	7.76E+00	3.00E+01
5865	489196.01	3860406.68	3.87164	1.05366	0.69381	10.04928	0.319	2.769	0.9492	1.05366	2.70E+01	1.95E+00	7.22E-05	3.54E-01	1.00E-01	2.60E-01	6.73E+00	7.16E+00	2.92E+01
5866	489194.64	3860496.7	3.85306	0.95749	0.76032	10.18132	0.305	2.768	0.8676	0.95749	2.69E+01	1.77E+00	7.92E-05	3.58E-01	9.54E-02	2.60E-01	6.15E+00	6.51E+00	2.90E+01
5867	489193.27	3860586.72	3.7608	0.88819	0.74622	10.40032	0.316	2.749	0.8288	0.88819	2.62E+01	1.64E+00	7.77E-05	3.66E-01	9.89E-02	2.58E-01	5.87E+00	6.04E+00	2.84E+01
5868	489092.02	3860678.13	3.36166	0.8257	0.67705	5.27915	0.282	2.714	0.7884	0.8257	2.34E+01	1.53E+00	7.05E-05	1.86E-01	8.83E-02	2.55E-01	5.59E+00	5.61E+00	2.55E+01
5869	488992.13	3860679.53	3.3467	0.79314	0.58285	3.77058	0.173	2.965	0.7533	0.79314	2.33E+01	1.46E+00	6.07E-05	1.33E-01	5.41E-02	2.79E-01	5.34E+00	5.39E+00	2.52E+01
5870	488892.24	3860680.92	3.2801	0.78107	0.59934	3.05063	0.154	3.267	0.7379	0.78107	2.29E+01	1.44E+00	6.24E-05	1.07E-01	4.83E-02	3.07E-01	5.23E+00	5.31E+00	2.47E+01
5871	488792.36	3860682.31	3.18173	0.7698	0.5275	2.4992	0.187	3.722	0.7138	0.7698	2.22E+01	1.42E+00	5.49E-05	8.80E-02	5.86E-02	3.50E-01	5.06E+00	5.23E+00	2.39E+01
5872	488692.48	3860683.7	3.12999	0.75674	0.4838	2.25005	0.222	4.39	0.7012	0.75674	2.18E+01	1.40E+00	5.04E-05	7.92E-02	6.96E-02	4.13E-01	4.97E+00	5.15E+00	2.36E+01
5873	488592.59	3860685.09	3.07991	0.72648	0.38554	2.07828	0.153	5.469	0.6858	0.72648	2.15E+01	1.34E+00	4.01E-05	7.31E-02	4.80E-02	5.14E-01	4.86E+00	4.94E+00	2.34E+01
5874	488492.71	3860686.49	3.01757	0.70549	0.32791	1.962	0.151	8.103	0.6813	0.70549	2.10E+01	1.30E+00	3.41E-05	6.91E-02	4.74E-02	7.62E-01	4.83E+00	4.80E+00	2.32E+01
5875	488299.07	3860762.18	2.91199	0.71073	0.3647	1.70993	0.129	6.452	0.6551	0.71073	2.03E+01	1.31E+00	3.80E-05	6.02E-02	4.04E-02	6.06E-01	4.64E+00	4.83E+00	2.21E+01
5876	488205.32	3860764.09	2.99945	0.69427	0.35193	1.5991	0.14	6.068	0.6392	0.69427	2.09E+01	1.28E+00	3.66E-05	5.63E-02	4.40E-02	5.70E-01	4.53E+00	4.72E+00	2.27E+01
5877	488111.56	3860766	3.10796	0.6772	0.30215	1.55612	0.132	5.847	0.622	0.6772	2.17E+01	1.25E+00	3.15E-05	5.48E-02	4.14E-02	5.50E-01	4.41E+00	4.60E+00	2.34E+01
5878	488017.81	3860767.91	3.05099	0.66391	0.27268	1.48265	0.118	5.475	0.6048	0.66391	2.13E+01	1.23E+00	2.84E-05	5.22E-02	3.71E-02	5.15E-01	4.29E+00	4.51E+00	2.29E+01
5879	487924.06	3860769.81	2.98498	0.65263	0.31045	1.40506	0.111	5.116	0.5792	0.65263	2.08E+01	1.21E+00	3.23E-05	4.95E-02	3.49E-02	4.81E-01	4.10E+00	4.44E+00	2.22E+01
5880	487830.31	3860771.72	2.80173	0.64518	0.29407	1.34419	0.114	4.275	0.56	0.64518	1.95E+01	1.19E+00	3.06E-05	4.73E-02	3.57E-02	4.02E-01	3.97E+00	4.39E+00	2.08E+01
5881	487736.55	3860773.63	2.60724	0.63123	0.26845	1.29703	0.131	3.836	0.547	0.63123	1.82E+01	1.17E+00	2.79E-05	4.57E-02	4.10E-02	3.61E-01	3.88E+00	4.29E+00	1.94E+01
5882	487642.8	3860775.54	2.43719	0.6155	0.29465	1.26251	0.158	3.514	0.5408	0.6155	1.70E+01	1.14E+00	3.07E-05	4.44E-02	4.94E-02	3.30E-01	3.83E+00	4.19E+00	1.82E+01
5883	487549.48	3860684.71	2.45503	0.6231	0.33353	1.23159	0.173	3.493	0.546	0.6231	1.71E+01	1.15E+00	3.47E-05	4.33E-02	5.42E-02	3.28E-01	3.87E+00	4.24E+00	1.83E+01
5884	487549.91	3860591.97	2.66402	0.64084	0.37746	1.26251	0.18	3.747	0.543	0.64084	1.86E+01	1.18E+00	3.93E-05	4.44E-02	5.64E-02	3.52E-01	3.85E+00	4.36E+00	1.97E+01
5885	487550.34	3860499.23	2.92717	0.65847	0.43289	1.28515	0.187	4.582	0.5736	0.65847	2.04E+01	1.22E+00	4.51E-05	4.52E-02	5.87E-02	4.31E-01	4.06E+00	4.48E+00	2.17E+01
5886	487550.76	3860406.49	3.19673	0.67876	0.37927	1.3707	0.195	5.376	0.5955	0.67876	2.23E+01	1.25E+00	3.95E-05	4.82E-02	6.10E-02	5.05E-01	4.22E+00	4.62E+00	2.38E+01
5887	487551.19	3860313.75	3.33707	0.73462	0.42831	1.38924	0.203	5.473	0.633	0.73462	2.33E+01	1.36E+00	4.46E-05	4.89E-02	6.35E-02	5.14E-01	4.48E+00	5.00E+00	2.47E+01
5888	487551.62	3860221.01	3.3615	0.7507	0.44377	1.41204	0.214	5.348	0.663	0.7507	2.34E+01	1.39E+00	4.62E-05	4.97E-02	6.71E-02	5.03E-01	4.70E+00	5.10E+00	2.50E+01
5889	487552.05	3860128.27	3.2704	0.76708	0.50158	1.45267	0.23	5.469	0.7033	0.76708	2.28E+01	1.42E+00	5.22E-05	5.11E-02	7.20E-02	5.14E-01	4.98E+00	5.22E+00	2.46E+01
5890	487552.48	3860035.53	3.31531	0.79949	0.59334	1.50089	0.247	5.39	0.7361	0.79949	2.31E+01	1.48E+00	6.18E-05	5.28E-02	7.72E-02	5.07E-01	5.22E+00	5.44E+00	2.50E+01
5891	487552.91	3859942.79	3.40865	0.83071	0.52868	1.52727	0.265	5.224	0.7446	0.83071	2.38E+01	1.53E+00	5.50E-05	5.38E-02	8.31E-02	4.91E-01	5.28E+00	5.65E+00	2.56E+01
5892	487553.33	3859850.05	3.52898	0.87208	0.57914	1.56629	0.28	5.16	0.7581	0.87208	2.46E+01	1.61E+00	6.03E-05	5.51E-02	8.76E-02	4.85E-01	5.37E+00	5.93E+00	2.63E+01
5893	487553.76	3859757.31	3.53129	0.89629	0.509	1.65229	0.309	5.267	0.7765	0.89629	2.46E+01	1.66E+00	5.30E-05	5.82E-02	9.67E-02	4.95E-01	5.50E+00	6.09E+00	2.63E+01
5894	487554.19	3859664.57	3.55366	0.92475	0.45433	1.59684	0.364	5.287	0.799	0.92475	2.48E+01	1.71E+00	4.73E-05	5.62E-02	1.14E-01	4.97E-01	5.66E+00	6.29E+00	2.65E+01
5895	487460.2	3859571.05	3.75796	0.94627	0.5003	1.56258	0.361	6.159	0.7943	0.94627	2.62E+01	1.75E+00	5.21E-05	5.50E-02	1.13E-01	5.79E-01	5.63E+00	6.43E+00	2.79E+01
5896	487365.78	3859570.27	3.70183	0.9294	0.48247	1.52584	0.405	6.054	0.7715	0.9294	2.58E+01	1.72E+00	5.02E-05	5.37E-02	1.27E-01	5.69E-01	5.47E+00	6.32E+00	2.74E+01

5897	487271.36	3859569.48	3.48759	0.91662	0.44506	1.48384	0.6	6.509	0.748	0.91662	2.43E+01	1.69E+00	4.63E-05	5.22E-02	1.88E-01	6.12E-01	5.30E+00	6.23E+00	2.59E+01
5898	487176.94	3859568.7	3.42208	0.90143	0.47301	1.41823	0.594	6.062	0.7261	0.90143	2.39E+01	1.66E+00	4.92E-05	4.99E-02	1.86E-01	5.70E-01	5.14E+00	6.13E+00	2.53E+01
5899	487082.51	3859567.92	3.22761	0.88766	0.45463	1.37253	0.506	5.442	0.7073	0.88766	2.25E+01	1.64E+00	4.73E-05	4.83E-02	1.59E-01	5.11E-01	5.01E+00	6.04E+00	2.38E+01
5900	486988.09	3859567.14	3.00168	0.87369	0.39142	1.35822	0.461	4.998	0.6881	0.87369	2.09E+01	1.61E+00	4.07E-05	4.78E-02	1.44E-01	4.70E-01	4.88E+00	5.94E+00	2.21E+01
5901	486893.67	3859566.36	2.84907	0.85263	0.50776	1.28988	0.429	4.708	0.6636	0.85263	1.99E+01	1.57E+00	5.29E-05	4.54E-02	1.34E-01	4.43E-01	4.70E+00	5.80E+00	2.10E+01
5902	486799.25	3859565.58	2.72569	0.83119	0.55992	1.23871	0.515	3.809	0.6439	0.83119	1.90E+01	1.54E+00	5.83E-05	4.36E-02	1.61E-01	3.58E-01	4.56E+00	5.65E+00	2.00E+01
5903	486704.83	3859564.79	2.62577	0.80749	0.6495	1.21301	0.583	3.532	0.6254	0.80749	1.83E+01	1.49E+00	6.76E-05	4.27E-02	1.83E-01	3.32E-01	4.43E+00	5.49E+00	1.93E+01
5904	486610.41	3859564.01	2.53309	0.79238	0.69841	1.15905	0.536	3.413	0.6093	0.79238	1.77E+01	1.46E+00	7.27E-05	4.08E-02	1.68E-01	3.21E-01	4.32E+00	5.39E+00	1.86E+01
5905	486515.99	3859563.23	2.40296	0.7637	0.61462	1.15217	0.564	3.129	0.5922	0.7637	1.68E+01	1.41E+00	6.40E-05	4.06E-02	1.77E-01	2.94E-01	4.20E+00	5.19E+00	1.77E+01
5906	486421.57	3859562.45	2.31993	0.73921	0.58441	1.15687	0.581	2.913	0.5766	0.73921	1.62E+01	1.37E+00	6.08E-05	4.07E-02	1.82E-01	2.74E-01	4.09E+00	5.03E+00	1.71E+01
5907	486327.14	3859561.67	2.2125	0.72081	0.53283	1.10946	0.711	2.773	0.5624	0.72081	1.54E+01	1.33E+00	5.55E-05	3.90E-02	2.23E-01	2.61E-01	3.98E+00	4.90E+00	1.64E+01
5908	486232.72	3859560.89	2.08658	0.71615	0.55138	1.05813	0.699	2.653	0.5461	0.71615	1.45E+01	1.32E+00	5.74E-05	3.72E-02	2.19E-01	2.49E-01	3.87E+00	4.87E+00	1.54E+01
5909	486138.3	3859560.1	1.98819	0.71042	0.49051	1.03687	0.696	2.586	0.5352	0.71042	1.39E+01	1.31E+00	5.11E-05	3.65E-02	2.18E-01	2.43E-01	3.79E+00	4.83E+00	1.46E+01
5910	486043.88	3859559.32	1.90113	0.70049	0.47565	1.01393	0.892	2.508	0.5289	0.70049	1.33E+01	1.29E+00	4.95E-05	3.57E-02	2.79E-01	2.36E-01	3.75E+00	4.76E+00	1.41E+01
5911	485949.35	3859463.54	1.88703	0.71196	0.43109	0.98774	1.254	2.448	0.5266	0.71196	1.32E+01	1.31E+00	4.49E-05	3.48E-02	3.93E-01	2.30E-01	3.73E+00	4.84E+00	1.40E+01
5912	485949.24	3859368.55	1.91678	0.73565	0.38407	1.03593	1.868	2.511	0.5309	0.73565	1.34E+01	1.36E+00	4.00E-05	3.65E-02	5.85E-01	2.36E-01	3.76E+00	5.00E+00	1.43E+01
5913	485949.12	3859273.55	1.95203	0.76171	0.42669	1.02475	2.055	2.552	0.5386	0.76171	1.36E+01	1.41E+00	4.44E-05	3.61E-02	6.44E-01	2.40E-01	3.82E+00	5.18E+00	1.46E+01
5914	485949.01	3859178.56	1.97052	0.78202	0.44414	0.98547	2.017	2.659	0.5475	0.78202	1.37E+01	1.44E+00	4.62E-05	3.47E-02	6.32E-01	2.50E-01	3.88E+00	5.32E+00	1.47E+01
5915	485948.9	3859083.56	1.99107	0.80617	0.53559	0.96016	2.165	2.804	0.5814	0.80617	1.39E+01	1.49E+00	5.58E-05	3.38E-02	6.78E-01	2.64E-01	4.12E+00	5.48E+00	1.50E+01
5916	485948.79	3858988.56	2.07401	0.83694	0.61529	0.95665	2.21	3.181	0.5924	0.83694	1.45E+01	1.55E+00	6.41E-05	3.37E-02	6.92E-01	2.99E-01	4.20E+00	5.69E+00	1.55E+01
5917	485948.67	3858893.57	2.131	0.86729	0.71134	0.99114	2.402	3.229	0.6041	0.86729	1.49E+01	1.60E+00	7.41E-05	3.49E-02	7.53E-01	3.04E-01	4.28E+00	5.90E+00	1.59E+01
5918	485948.56	3858798.57	2.18054	0.91031	0.84679	1.02278	2.514	3.269	0.6295	0.91031	1.52E+01	1.68E+00	8.82E-05	3.60E-02	7.88E-01	3.07E-01	4.46E+00	6.19E+00	1.63E+01
5919	485948.45	3858703.58	2.29668	0.97617	0.79909	1.07777	2.569	3.422	0.6433	0.97617	1.60E+01	1.80E+00	8.32E-05	3.79E-02	8.05E-01	3.22E-01	4.56E+00	6.64E+00	1.69E+01
5920	485948.34	3858608.58	2.37012	1.03589	0.68696	1.11257	2.758	3.697	0.657	1.03589	1.65E+01	1.91E+00	7.15E-05	3.92E-02	8.64E-01	3.48E-01	4.66E+00	7.04E+00	1.73E+01
5921	485948.22	3858513.59	2.47352	1.09671	0.88287	1.14106	3.144	3.925	0.6856	1.09671	1.72E+01	2.03E+00	9.19E-05	4.02E-02	9.85E-01	3.69E-01	4.86E+00	7.46E+00	1.81E+01
5922	485948.11	3858418.59	2.57479	1.16533	1.11456	1.15215	3.724	4.118	0.6956	1.16533	1.80E+01	2.15E+00	1.16E-04	4.06E-02	1.17E+00	3.87E-01	4.93E+00	7.92E+00	1.87E+01
5923	485948	3858323.59	2.66471	1.23608	1.07011	1.17349	3.804	4.28	0.7369	1.23608	1.86E+01	2.28E+00	1.11E-04	4.13E-02	1.19E+00	4.02E-01	5.22E+00	8.41E+00	1.93E+01
5924	485947.89	3858228.6	2.75746	1.29179	0.84672	1.17478	4.316	4.648	0.7645	1.29179	1.92E+01	2.39E+00	8.81E-05	4.13E-02	1.35E+00	4.37E-01	5.42E+00	8.78E+00	2.01E+01
5925	485947.77	3858133.6	2.89868	1.3766	0.87147	1.20109	4.728	5.16	0.7731	1.3766	2.02E+01	2.54E+00	9.07E-05	4.23E-02	1.48E+00	4.85E-01	5.48E+00	9.36E+00	2.09E+01
5926	485947.66	3858038.61	3.20298	1.48431	0.91427	1.23396	5.089	5.393	0.8011	1.48431	2.23E+01	2.74E+00	9.52E-05	4.34E-02	1.59E+00	5.07E-01	5.68E+00	1.01E+01	2.28E+01
5927	485854.54	3857943.35	3.33152	1.49944	0.82229	1.20312	5.053	4.436	0.8018	1.49944	2.32E+01	2.77E+00	8.56E-05	4.23E-02	1.58E+00	4.17E-01	5.68E+00	1.02E+01	2.35E+01
5928	485761.52	3857943.09	3.08451	1.42812	0.7196	1.18328	4.915	3.757	0.7697	1.42812	2.15E+01	2.64E+00	7.49E-05	4.16E-02	1.54E+00	3.53E-01	5.45E+00	9.71E+00	2.18E+01
5929	485668.51	3857942.83	2.83304	1.36865	0.64976	1.1758	4.706	3.186	0.7538	1.36865	1.98E+01	2.53E+00	6.76E-05	4.14E-02	1.47E+00	2.99E-01	5.34E+00	9.31E+00	2.01E+01
5930	485575.5	3857942.56	2.66083	1.30289	0.63733	1.12869	4.352	2.793	0.7104	1.30289	1.86E+01	2.41E+00	6.63E-05	3.97E-02	1.36E+00	2.63E-01	5.03E+00	8.86E+00	1.88E+01
5931	485482.48	3857942.3	2.50777	1.22241	0.63108	1.09628	3.957	2.472	0.696	1.22241	1.75E+01	2.26E+00	6.57E-05	3.86E-02	1.24E+00	2.32E-01	4.93E+00	8.31E+00	1.79E+01
5932	485389.47	3857942.04	2.40164	1.14567	0.61815	1.07745	3.502	2.261	0.6836	1.14567	1.67E+01	2.12E+00	6.44E-05	3.79E-02	1.10E+00	2.13E-01	4.84E+00	7.79E+00	1.73E+01
5933	485296.46	3857941.78	2.30348	1.07981	0.57782	1.05486	3.289	2.145	0.6694	1.07981	1.61E+01	1.99E+00	6.02E-05	3.71E-02	1.03E+00	2.02E-01	4.74E+00	7.34E+00	1.67E+01
5934	485203.45	3857941.52	2.22913	1.06529	0.50134	1.03681	2.929	2.026	0.6633	1.06529	1.55E+01	1.97E+00	5.22E-05	3.65E-02	9.18E-01	1.90E-01	4.70E+00	7.24E+00	1.61E+01
5935	485110.43	3857941.26	2.18906	1.0271	0.44428	1.01483	2.783	1.883	0.6485	1.0271	1.53E+01	1.90E+00	4.63E-05	3.57E-02	8.72E-01	1.77E-01	4.59E+00	6.98E+00	1.59E+01
5936	485017.42	3857940.99	2.12199	0.99527	0.44611	0.99184	2.82	1.765	0.6273	0.99527	1.48E+01	1.84E+00	4.64E-05	3.49E-02	8.84E-01	1.66E-01	4.44E+00	6.77E+00	1.54E+01
5937	484924.41	3857940.73	2.03847	0.96777	0.40979	0.9678	2.837	1.689	0.6081	0.96777	1.42E+01	1.79E+00	4.27E-05	3.41E-02	8.89E-01	1.59E-01	4.31E+00	6.58E+00	1.48E+01
5938	484831.39	3857940.47	2.0028	0.93761	0.38352	0.92706	2.733	1.631	0.5917	0.93761	1.40E+01	1.73E+00	3.99E-05	3.26E-02	8.56E-01	1.53E-01	4.19E+00	6.38E+00	1.46E+01
5939	484738.12	3857859.3	2.03155	0.9095	0.39778	0.89784	2.073	1.608	0.5937	0.9095	1.42E+01	1.68E+00	4.14E-05	3.16E-02	6.49E-01	1.51E-01	4.21E+00	6.18E+00	1.47E+01
5940	484737.85	3857778.4	2.1389	0.93343	0.40373	0.88011	2.331	1.71	0.6255	0.93343	1.49E+01	1.72E+00	4.20E-05	3.10E-02	7.30E-01	1.61E-01	4.43E+00	6.35E+00	1.56E+01
5941	484737.59	3857697.49	2.261	0.98012	0.46455	0.86676	2.146	1.722	0.6344	0.98012	1.58E+01	1.81E+00	4.84E-05	3.05E-02	6.72E-01	1.62E-01	4.49E+00	6.66E+00	1.63E+01
5942	484737.32	3857616.59	2.39828	1.04042	0.48566	0.9103	2.218	1.816	0.6471	1.04042	1.67E+01	1.92E+00	5.06E-05	3.20E-02	6.95E-01	1.71E-01	4.59E+00	7.07E+00	1.71E+01
5943	484645.53	3857535.18	2.44552	1.04672	0.51526	0.9173	1.897	1.856	0.6367	1.04672	1.70E+01	1.93E+00	5.36E-05	3.23E-02	5.94E-01	1.74E-01	4.51E+00	7.12E+00	1.72E+01
5944	484553.99	3857534.67	2.3588	1.00625	0.43108	0.90316	1.884	1.714	0.6175	1.00625	1.64E+01	1.86E+00	4.49E-05	3.18E-02	5.90E-01	1.61E-01	4.38E+00	6.84E+00	1.66E+01
5945	484462.46	3857534.17	2.30962	0.96089	0.3894	0.8738	1.873	1.632	0.599	0.96089	1.61E+01	1.77E+00	4.05E-05	3.08E-02	5.87E-01	1.53E-01	4.24E+00	6.53E+00	1.64E+01
5946	484370.93	3857533.66	2.31336	0.91676	0.39418	0.83194	1.75	1.591	0.6012	0.91676	1.61E+01	1.69E+00	4.10E-05	2.93E-02	5.48E-01	1.50E-01	4.26E+00	6.23E+00	1.66E+01
5947	484279.4	3857533.16	2.29568	0.88827	0.38169	0.79299	1.596	1.539	0.6075	0.88827	1.60E+01	1.64E+00	3.97E-05	2.79E-02	5.00E-01	1.45E-01	4.30E+00	6.04E+00	1.66E+01
5948	484187.86	3857532.65	2.28275	0.86682	0.37406	0.78071	1.491	1.451	0.5969	0.86682	1.59E+01	1.60E+00	3.89E-05	2.75E-02	4.67E-01	1.36E-01	4.23E+00	5.89E+00	1.65E+01
5949	484096.33	3857532.15	2.31376	0.84092	0.35703	0.77101	1.436	1.423	0.5857	0.84092	1.61E+01	1.55E+00	3.72E-05	2.71E-02	4.50E-01	1.34E-01	4.15E+00	5.72E+00	1.67E+01
5950	484004.8	3857531.64	2.25344	0.81439	0.34023	0.76044	1.389	1.383	0.5629	0.81439	1.57E+01	1.50E+00	3.54E-05	2.68E-02	4.35E-01	1.30E-01	3.99E+00	5.54E+00	1.63E+01
5951	483913.27	3857531.14	2.26051	0.78432	0.36093	0.74818	1.34	1.343	0.5433	0.78432	1.58E+01	1.45E+00	3.76E-05	2.63E-02	4.20E-01	1.26E-01	3.85E+00	5.33E+00	1.63E+01
5952	483821.73	3857530.63	2.13987	0.77222	0.40774	0.73794	1.293	1.283	0.5366	0.77222	1.49E+01	1.43E+00	4.24E-05	2.60E-02	4.05E-01	1.21E-01	3.80E+00	5.25E+00	1.54E+01
5953	483729.61	3857450.11	2.23134	0.77132	0.43882	0.73316	1.326	1.289	0.5319	0.77132	1.56E+01	1.42E+00	4.57E-05	2.58E-02	4.15E-01	1.21E-01	3.77E+00	5.24E+00	1.61E+01
5954	483729.03	3857370.08	2.42085	0.78375	0.44602	0.74371	1.278	1.372	0.5635	0.78375	1.69E+01	1.45E+00	4.64E-05	2.62E-02	4.00E-01	1.29E-01	3.99E+00	5.33E+00	1.75E+01
5955	483728.44	3857290.06	2.70789	0.80348	0.46551	0.75478	1.192	1.405	0.5623	0.80348	1.89E+01	1.48E+00	4.85E-05	2.66E-02	3.74E-01	1.32E-01	3.98E+00	5.46E+00	1.94E+01

5956	483727.86	3857210.03	2.95383	0.83631	0.4932	0.75398	1.038	1.439	0.5488	0.83631	2.06E+01	1.54E+00	5.13E-05	2.65E-02	3.25E-01	1.35E-01	3.89E+00	5.69E+00	2.08E+01
5957	483641.15	3857129.07	3.15398	0.85273	0.61028	0.73938	1.002	1.469	0.5427	0.85273	2.20E+01	1.57E+00	6.35E-05	2.60E-02	3.14E-01	1.38E-01	3.85E+00	5.80E+00	2.21E+01
5958	483555.03	3857128.14	2.97848	0.83507	0.62632	0.72694	0.983	1.402	0.5395	0.83507	2.08E+01	1.54E+00	6.52E-05	2.56E-02	3.08E-01	1.32E-01	3.82E+00	5.68E+00	2.09E+01
5959	483468.91	3857127.2	2.81787	0.80948	0.55855	0.71422	0.963	1.354	0.5365	0.80948	1.96E+01	1.50E+00	5.81E-05	2.51E-02	3.02E-01	1.27E-01	3.80E+00	5.50E+00	1.99E+01
5960	483382.78	3857126.26	2.67868	0.789	0.59469	0.70596	0.944	1.321	0.5411	0.789	1.87E+01	1.46E+00	6.19E-05	2.48E-02	2.96E-01	1.24E-01	3.83E+00	5.37E+00	1.90E+01
5961	483296.66	3857125.32	2.57023	0.76978	0.56957	0.69661	0.904	1.281	0.5426	0.76978	1.79E+01	1.42E+00	5.93E-05	2.45E-02	2.83E-01	1.20E-01	3.84E+00	5.23E+00	1.84E+01
5962	483210.54	3857124.39	2.45871	0.72742	0.69678	0.68529	0.871	1.236	0.5407	0.72742	1.71E+01	1.34E+00	7.25E-05	2.41E-02	2.73E-01	1.16E-01	3.83E+00	4.95E+00	1.78E+01
5963	483123.4	3857030.96	2.41724	0.73884	0.62171	0.68716	0.856	1.258	0.5341	0.73884	1.69E+01	1.36E+00	6.47E-05	2.42E-02	2.68E-01	1.18E-01	3.78E+00	5.02E+00	1.74E+01
5964	483122.38	3856938.46	2.47028	0.78218	0.80104	0.70084	0.766	1.321	0.5328	0.78218	1.72E+01	1.44E+00	8.34E-05	2.47E-02	2.40E-01	1.24E-01	3.78E+00	5.32E+00	1.75E+01
5965	483121.35	3856845.97	2.52494	0.825	0.85802	0.71652	0.629	1.399	0.5449	0.825	1.76E+01	1.52E+00	8.93E-05	2.52E-02	1.97E-01	1.32E-01	3.86E+00	5.61E+00	1.77E+01
5966	483120.33	3856753.47	2.7057	0.85861	0.77507	0.73259	0.651	1.408	0.5691	0.85861	1.89E+01	1.59E+00	8.07E-05	2.58E-02	2.04E-01	1.32E-01	4.03E+00	5.84E+00	1.90E+01
5967	483119.31	3856660.98	2.74564	0.88649	0.57051	0.73788	0.625	1.446	0.5816	0.88649	1.91E+01	1.64E+00	5.94E-05	2.60E-02	1.96E-01	1.36E-01	4.12E+00	6.03E+00	1.92E+01
5968	483118.29	3856568.49	2.78522	0.89758	0.70656	0.75153	0.583	1.457	0.5901	0.89758	1.94E+01	1.66E+00	7.36E-05	2.65E-02	1.83E-01	1.37E-01	4.18E+00	6.10E+00	1.95E+01
5969	483117.26	3856475.99	2.90623	0.9205	0.70962	0.78418	0.549	1.496	0.5901	0.9205	2.03E+01	1.70E+00	7.39E-05	2.76E-02	1.72E-01	1.41E-01	4.18E+00	6.26E+00	2.02E+01
5970	483116.24	3856383.5	3.0226	0.95731	0.52	0.8108	0.535	1.532	0.6011	0.95731	2.11E+01	1.77E+00	5.41E-05	2.85E-02	1.68E-01	1.44E-01	4.26E+00	6.51E+00	2.09E+01
5971	483115.22	3856291.01	3.18402	1.00013	0.5335	0.83049	0.559	1.634	0.6129	1.00013	2.22E+01	1.85E+00	5.55E-05	2.92E-02	1.75E-01	1.54E-01	4.34E+00	6.80E+00	2.19E+01
5972	483114.2	3856198.51	3.36321	1.06161	0.48734	0.85097	0.585	1.714	0.614	1.06161	2.34E+01	1.96E+00	5.07E-05	3.00E-02	1.83E-01	1.61E-01	4.35E+00	7.22E+00	2.29E+01
5973	483113.17	3856106.02	3.55391	1.09777	0.56646	0.86926	0.649	1.81	0.6184	1.09777	2.48E+01	2.03E+00	5.90E-05	3.06E-02	2.03E-01	1.70E-01	4.38E+00	7.46E+00	2.41E+01
5974	483112.15	3856013.52	3.6415	1.13907	0.58746	0.88446	0.607	1.881	0.6271	1.13907	2.54E+01	2.10E+00	6.12E-05	3.11E-02	1.90E-01	1.77E-01	4.44E+00	7.75E+00	2.46E+01
5975	483029.25	3855920.47	3.5984	1.16342	0.67214	0.90497	0.626	1.856	0.6576	1.16342	2.51E+01	2.15E+00	7.00E-05	3.19E-02	1.96E-01	1.74E-01	4.66E+00	7.91E+00	2.44E+01
5976	482947.37	3855919.91	3.33156	1.07738	0.70375	0.87747	0.601	1.694	0.6554	1.07738	2.32E+01	1.99E+00	7.33E-05	3.09E-02	1.88E-01	1.59E-01	4.64E+00	7.33E+00	2.29E+01
5977	482865.49	3855919.36	3.0337	1.04645	0.58877	0.85163	0.577	1.62	0.6575	1.04645	2.12E+01	1.93E+00	6.13E-05	3.00E-02	1.81E-01	1.52E-01	4.66E+00	7.12E+00	2.10E+01
5978	482783.61	3855918.8	2.89658	1.03607	0.60089	0.83997	0.543	1.548	0.6451	1.03607	2.02E+01	1.91E+00	6.26E-05	2.96E-02	1.70E-01	1.45E-01	4.57E+00	7.05E+00	2.00E+01
5979	482700.33	3855818.39	3.25751	0.98751	0.65296	0.84172	0.587	1.587	0.6443	0.98751	2.27E+01	1.82E+00	6.80E-05	2.96E-02	1.84E-01	1.49E-01	4.57E+00	6.71E+00	2.27E+01
5980	482698.92	3855718.54	3.35435	1.07394	0.76888	0.88243	0.629	1.65	0.6725	1.07394	2.34E+01	1.98E+00	8.00E-05	3.11E-02	1.97E-01	1.55E-01	4.77E+00	7.30E+00	2.32E+01
5981	482697.52	3855618.68	3.39078	1.13843	0.90761	0.9192	0.561	1.732	0.7063	1.13843	2.36E+01	2.10E+00	9.45E-05	3.24E-02	1.76E-01	1.63E-01	5.00E+00	7.74E+00	2.34E+01
5982	482696.11	3855518.83	3.43995	1.20719	1.18673	0.97126	0.575	1.835	0.7323	1.20719	2.40E+01	2.23E+00	1.24E-04	3.42E-02	1.80E-01	1.72E-01	5.19E+00	8.21E+00	2.36E+01
5983	482694.71	3855418.98	3.44531	1.31633	1.1677	1.00292	0.558	1.93	0.761	1.31633	2.40E+01	2.43E+00	1.22E-04	3.53E-02	1.75E-01	1.81E-01	5.39E+00	8.95E+00	2.33E+01
5984	482693.3	3855319.13	3.41795	1.38908	1.49858	1.03831	0.488	2.026	0.7933	1.38908	2.38E+01	2.57E+00	1.56E-04	3.65E-02	1.53E-01	1.90E-01	5.62E+00	9.45E+00	2.29E+01
5985	482691.9	3855219.27	3.40736	1.48266	2.25044	1.08642	0.44	2.196	0.8495	1.48266	2.38E+01	2.74E+00	2.34E-04	3.82E-02	1.38E-01	2.06E-01	6.02E+00	1.01E+01	2.28E+01
5986	482690.49	3855119.42	3.32833	1.57203	2.20454	1.15042	0.396	2.407	0.8796	1.57203	2.32E+01	2.90E+00	2.30E-04	4.05E-02	1.24E-01	2.26E-01	6.23E+00	1.07E+01	2.20E+01
5987	482689.09	3855019.57	3.18118	1.68027	1.67464	1.2149	0.403	2.775	0.9138	1.68027	2.22E+01	3.10E+00	1.74E-04	4.28E-02	1.26E-01	2.61E-01	6.47E+00	1.14E+01	2.08E+01
5988	482687.68	3854919.71	3.03228	1.75209	1.70096	1.24243	0.361	3.424	0.9619	1.75209	2.11E+01	3.24E+00	1.77E-04	4.37E-02	1.13E-01	3.22E-01	6.82E+00	1.19E+01	1.98E+01
5989	482686.28	3854819.86	2.91007	1.92557	1.93288	1.26213	0.347	5.513	1.0269	1.92557	2.03E+01	3.56E+00	2.01E-04	4.44E-02	1.09E-01	5.18E-01	7.28E+00	1.31E+01	1.87E+01
5990	482684.88	3854720.01	2.80728	2.0789	1.70628	1.30102	0.405	7.134	1.0949	2.0789	1.96E+01	3.84E+00	1.78E-04	4.58E-02	1.27E-01	6.71E-01	7.76E+00	1.41E+01	1.79E+01
5991	482683.47	3854620.16	2.68132	2.33339	1.2469	1.37167	0.376	6.768	1.1765	2.33339	1.87E+01	4.31E+00	1.30E-04	4.83E-02	1.18E-01	6.36E-01	8.34E+00	1.59E+01	1.63E+01
5992	482682.07	3854520.31	2.5402	2.42204	1.02055	1.43957	0.362	6.581	1.3021	2.42204	1.77E+01	4.47E+00	1.06E-04	5.07E-02	1.13E-01	6.19E-01	9.23E+00	1.65E+01	1.57E+01
5993	482680.66	3854420.45	2.41022	2.53085	0.81121	1.51836	0.334	6.721	1.4088	2.53085	1.68E+01	4.67E+00	8.45E-05	5.34E-02	1.05E-01	6.32E-01	9.98E+00	1.72E+01	1.50E+01
5994	482679.26	3854320.6	2.32702	2.51416	0.6645	1.58201	0.336	6.635	1.5836	2.51416	1.62E+01	4.64E+00	6.92E-05	5.57E-02	1.05E-01	6.24E-01	1.12E+01	1.71E+01	1.58E+01
5995	482677.85	3854220.75	2.20763	2.62327	0.52903	1.49251	0.293	7.295	1.7657	2.62327	1.54E+01	4.84E+00	5.51E-05	5.25E-02	9.18E-02	6.86E-01	1.25E+01	1.78E+01	1.57E+01
5996	482676.45	3854120.9	2.08287	2.51752	0.46949	1.49225	0.289	7.599	1.86	2.51752	1.45E+01	4.65E+00	4.89E-05	5.25E-02	9.06E-02	7.14E-01	1.32E+01	1.71E+01	1.61E+01
5997	482675.04	3854021.04	1.97161	2.48446	0.39905	1.05912	0.285	9.28	1.9344	2.48446	1.37E+01	4.59E+00	4.15E-05	3.73E-02	8.94E-02	8.72E-01	1.37E+01	1.69E+01	1.61E+01
5998	482673.64	3853921.19	1.77951	2.45171	0.35306	0.75185	0.31	4.075	2.0929	2.45171	1.24E+01	4.53E+00	3.68E-05	2.65E-02	9.71E-02	3.83E-01	1.48E+01	1.67E+01	1.56E+01
5999	482672.23	3853821.34	1.64269	2.49513	0.30437	0.73213	0.3	2.247	2.2241	2.49513	1.15E+01	4.61E+00	3.17E-05	2.58E-02	9.41E-02	2.11E-01	1.58E+01	1.70E+01	1.52E+01
6000	482670.83	3853721.48	1.44355	2.61136	0.2816	0.70243	0.328	1.276	2.4657	2.61136	1.01E+01	4.82E+00	2.93E-05	2.47E-02	1.03E-01	1.20E-01	1.75E+01	1.78E+01	1.48E+01
6001	482669.42	3853621.63	1.259	2.77105	0.26232	0.63029	0.333	0.816	2.6697	2.77105	8.78E+00	5.12E+00	2.73E-05	2.22E-02	1.04E-01	7.67E-02	1.89E+01	1.88E+01	1.42E+01
6002	482645.99	3853446.13	1.09205	2.90127	0.21399	0.40451	0.302	0.484	2.8954	2.90127	7.61E+00	5.36E+00	2.23E-05	1.42E-02	9.48E-02	4.55E-02	2.05E+01	1.97E+01	1.39E+01
6003	482623.96	3853370.48	1.02076	2.94588	0.19811	0.37447	0.304	0.424	2.9597	2.94588	7.12E+00	5.44E+00	2.06E-05	1.32E-02	9.51E-02	3.98E-02	2.10E+01	2.00E+01	1.36E+01
6004	482601.94	3853294.84	0.966	3.03892	0.18399	0.37682	0.29	0.392	3.0688	3.03892	6.73E+00	5.61E+00	1.92E-05	1.33E-02	9.07E-02	3.69E-02	2.17E+01	2.07E+01	1.36E+01
6005	482531.29	3853133.44	0.89258	3.41232	0.16498	0.3089	0.265	0.34	3.4616	3.41232	6.22E+00	6.30E+00	1.72E-05	1.09E-02	8.31E-02	3.20E-02	2.45E+01	2.32E+01	1.40E+01
6006	482482.68	3853047.69	0.84885	3.7506	0.15682	0.28099	0.257	0.318	3.8114	3.7506	5.92E+00	6.93E+00	1.63E-05	9.89E-03	8.06E-02	2.99E-02	2.70E+01	2.55E+01	1.45E+01
6007	482383.08	3852897.4	0.9005	4.53593	0.13605	0.24154	0.241	0.291	4.7248	4.53593	6.28E+00	8.38E+00	1.42E-05	8.50E-03	7.56E-02	2.73E-02	3.35E+01	3.08E+01	1.74E+01
6008	482265.64	3852765.26	0.7861	4.75884	0.12208	0.21891	0.23	0.259	4.7748	4.75884	5.48E+00	8.79E+00	1.27E-05	7.70E-03	7.19E-02	2.44E-02	3.38E+01	3.24E+01	1.58E+01
6009	482199.16	3852697.66	0.78369	4.77399	0.11656	0.20993	0.223	0.238	4.8077	4.77399	5.46E+00	8.82E+00	1.21E-05	7.39E-03	6.98E-02	2.23E-02	3.41E+01	3.25E+01	1.60E+01
6010	482132.69	3852630.07	0.78492	4.6696	0.10596	0.20265	0.217	0.215	4.7369	4.6696	5.47E+00	8.62E+00	1.10E-05	7.13E-03	6.80E-02	2.02E-02	3.36E+01	3.18E+01	1.60E+01
6011	482066.21	3852562.48	0.77643	4.74148	0.10408	0.19581	0.211	0.205	4.7985	4.74148	5.41E+00	8.76E+00	1.08E-05	6.89E-03	6.61E-02	1.93E-02	3.40E+01	3.22E+01	1.60E+01
6012	481999.74	3852494.89	0.76707	4.64542	0.10245	0.18962	0.205	0.191	4.7013	4.64542	5.35E+00	8.58E+00	1.07E-05	6.67E-03	6.44E-02	1.79E-02	3.33E+01	3.16E+01	1.57E+01
6013	481933.26	3852427.29	0.75965	4.40462	0.09755	0.18393	0.2	0.176	4.4651	4.40462	5.30E+00	8.14E+00	1.02E-05	6.47E-03	6.26E-02	1.65E-02	3.16E+01	3.00E+01	1.52E+01
6014	481866.79	3852359.7	0.74269	4.49309	0.09604	0.17825	0.195	0.17	4.557	4.49309	5.18E+00	8.30E+00	1.00E-05	6.27E-03	6.10E-02	1.60E-02	3.23E+01	3.06E+01	1.53E+01

6015	481800.31	3852292.11	0.73436	4.39912	0.09299	0.17066	0.191	0.165	4.4552	4.39912	5.12E+00	8.12E+00	9.68E-06	6.01E-03	5.98E-02	1.55E-02	3.16E+01	2.99E+01	1.50E+01
6016	481733.84	3852224.52	0.74004	4.30921	0.09069	0.16499	0.187	0.152	4.3659	4.30921	5.16E+00	7.96E+00	9.44E-06	5.81E-03	5.87E-02	1.43E-02	3.09E+01	2.93E+01	1.48E+01
6017	481667.36	3852156.92	0.74315	4.3735	0.08972	0.15949	0.184	0.147	4.4278	4.3735	5.18E+00	8.08E+00	9.34E-06	5.61E-03	5.76E-02	1.38E-02	3.14E+01	2.97E+01	1.50E+01
6018	481600.89	3852089.33	0.73649	4.22882	0.08902	0.15429	0.18	0.143	4.2807	4.22882	5.13E+00	7.81E+00	9.27E-06	5.43E-03	5.65E-02	1.35E-02	3.03E+01	2.88E+01	1.46E+01
6019	481534.41	3852021.74	0.73645	4.25332	0.08851	0.14989	0.177	0.14	4.3064	4.25332	5.13E+00	7.86E+00	9.21E-06	5.28E-03	5.55E-02	1.31E-02	3.05E+01	2.89E+01	1.47E+01
6020	481467.94	3851954.15	0.73929	4.19443	0.08814	0.14447	0.174	0.136	4.2533	4.19443	5.15E+00	7.75E+00	9.18E-06	5.08E-03	5.45E-02	1.28E-02	3.01E+01	2.85E+01	1.46E+01
6021	481401.46	3851886.55	0.7495	4.18831	0.08736	0.14018	0.17	0.132	4.2411	4.18831	5.23E+00	7.74E+00	9.09E-06	4.93E-03	5.34E-02	1.24E-02	3.00E+01	2.85E+01	1.46E+01
6022	481265.87	3851761.43	0.80541	4.18572	0.08556	0.1284	0.165	0.125	4.2157	4.18572	5.62E+00	7.73E+00	8.91E-06	4.52E-03	5.18E-02	1.17E-02	2.99E+01	2.85E+01	1.48E+01
6023	481196.74	3851703.89	0.80283	4.14703	0.08425	0.1234	0.164	0.122	4.1972	4.14703	5.60E+00	7.66E+00	8.77E-06	4.34E-03	5.13E-02	1.14E-02	2.97E+01	2.82E+01	1.49E+01
6024	481076.33	3851619.04	0.87112	4.20108	0.08159	0.11627	0.162	0.118	4.3016	4.20108	6.07E+00	7.76E+00	8.49E-06	4.09E-03	5.07E-02	1.11E-02	3.05E+01	2.86E+01	1.58E+01
6025	480939.8	3851549.07	0.95215	4.52254	0.07443	0.10941	0.164	0.119	4.5445	4.52254	6.64E+00	8.35E+00	7.75E-06	3.85E-03	5.14E-02	1.12E-02	3.22E+01	3.08E+01	1.65E+01
6026	480854.56	3851506.41	0.97173	4.51793	0.07166	0.10412	0.165	0.121	4.5382	4.51793	6.77E+00	8.34E+00	7.46E-06	3.66E-03	5.16E-02	1.14E-02	3.22E+01	3.07E+01	1.66E+01
6027	480769.32	3851463.75	0.96438	4.61559	0.07004	0.1022	0.164	0.125	4.6117	4.61559	6.72E+00	8.52E+00	7.29E-06	3.60E-03	5.14E-02	1.17E-02	3.27E+01	3.14E+01	1.66E+01
6028	480684.08	3851421.08	0.96655	4.77997	0.06843	0.10285	0.164	0.124	4.7842	4.77997	6.74E+00	8.83E+00	7.12E-06	3.62E-03	5.12E-02	1.17E-02	3.39E+01	3.25E+01	1.70E+01
6029	480598.84	3851378.42	0.95531	4.64126	0.06707	0.10415	0.164	0.122	4.6855	4.64126	6.66E+00	8.57E+00	6.98E-06	3.67E-03	5.15E-02	1.15E-02	3.32E+01	3.16E+01	1.69E+01
6030	480435.71	3851275.01	0.97337	5.16244	0.067	0.10295	0.164	0.118	5.2492	5.16244	6.79E+00	9.53E+00	6.98E-06	3.62E-03	5.13E-02	1.11E-02	3.72E+01	3.51E+01	1.85E+01
6031	480347.85	3851232.36	0.95594	5.16088	0.06736	0.10116	0.165	0.117	5.2701	5.16088	6.66E+00	9.53E+00	7.01E-06	3.56E-03	5.17E-02	1.10E-02	3.73E+01	3.51E+01	1.85E+01
6032	480260	3851189.72	0.93012	5.12454	0.06759	0.10112	0.166	0.118	5.2556	5.12454	6.48E+00	9.46E+00	7.04E-06	3.56E-03	5.21E-02	1.11E-02	3.72E+01	3.48E+01	1.84E+01
6033	480172.15	3851147.07	0.92475	5.07664	0.06769	0.10099	0.168	0.117	5.2178	5.07664	6.45E+00	9.38E+00	7.05E-06	3.55E-03	5.25E-02	1.10E-02	3.70E+01	3.45E+01	1.83E+01
6034	480084.29	3851104.42	0.99278	5.0686	0.06667	0.1028	0.168	0.117	5.2179	5.0686	6.92E+00	9.36E+00	6.94E-06	3.62E-03	5.26E-02	1.10E-02	3.70E+01	3.45E+01	1.89E+01
6035	479996.44	3851061.77	1.03426	5.06067	0.06635	0.10416	0.168	0.117	5.2267	5.06067	7.21E+00	9.35E+00	6.91E-06	3.67E-03	5.27E-02	1.10E-02	3.70E+01	3.44E+01	1.92E+01
6036	479908.58	3851019.13	1.0741	5.42999	0.06659	0.10559	0.169	0.116	5.6136	5.42999	7.49E+00	1.00E+01	6.93E-06	3.72E-03	5.28E-02	1.09E-02	3.98E+01	3.69E+01	2.04E+01
6037	479820.73	3850976.48	1.08594	5.42142	0.06573	0.10651	0.169	0.115	5.6221	5.42142	7.57E+00	1.00E+01	6.84E-06	3.75E-03	5.29E-02	1.08E-02	3.98E+01	3.69E+01	2.06E+01
6038	479732.88	3850933.83	1.22502	5.43163	0.06518	0.10654	0.169	0.114	5.6407	5.43163	8.54E+00	1.00E+01	6.79E-06	3.75E-03	5.31E-02	1.07E-02	4.00E+01	3.69E+01	2.17E+01
6039	479645.02	3850891.18	1.23249	5.41662	0.06482	0.10578	0.169	0.115	5.617	5.41662	8.59E+00	1.00E+01	6.75E-06	3.72E-03	5.30E-02	1.08E-02	3.98E+01	3.68E+01	2.16E+01
6040	479557.17	3850848.54	1.30343	5.35877	0.06519	0.10765	0.169	0.111	5.553	5.35877	9.09E+00	9.90E+00	6.79E-06	3.79E-03	5.29E-02	1.05E-02	3.93E+01	3.64E+01	2.20E+01
6041	479469.32	3850805.89	1.28418	5.57102	0.06513	0.10924	0.169	0.105	5.7628	5.57102	8.95E+00	1.03E+01	6.78E-06	3.84E-03	5.30E-02	9.86E-03	4.08E+01	3.79E+01	2.23E+01
6042	479381.46	3850763.24	1.23919	5.51947	0.06441	0.10998	0.169	0.099	5.7128	5.51947	8.64E+00	1.02E+01	6.71E-06	3.87E-03	5.30E-02	9.32E-03	4.05E+01	3.75E+01	2.18E+01
6043	479293.61	3850720.59	1.22051	5.25358	0.0648	0.11078	0.169	0.092	5.4486	5.25358	8.51E+00	9.70E+00	6.75E-06	3.90E-03	5.30E-02	8.69E-03	3.86E+01	3.57E+01	2.12E+01
6044	479205.76	3850677.95	1.19111	5.06212	0.06469	0.11139	0.17	0.091	5.2461	5.06212	8.30E+00	9.35E+00	6.73E-06	3.92E-03	5.31E-02	8.55E-03	3.72E+01	3.44E+01	2.05E+01
6045	479117.9	3850635.3	1.17977	4.71155	0.06356	0.11178	0.17	0.091	4.8976	4.71155	8.23E+00	8.70E+00	6.62E-06	3.93E-03	5.32E-02	8.58E-03	3.47E+01	3.20E+01	1.97E+01
6046	479030.05	3850592.65	1.18063	4.62056	0.06291	0.1117	0.17	0.091	4.7996	4.62056	8.23E+00	8.53E+00	6.55E-06	3.93E-03	5.32E-02	8.56E-03	3.40E+01	3.14E+01	1.94E+01
6047	478942.19	3850550	1.12188	4.70102	0.06204	0.11195	0.17	0.091	4.8821	4.70102	7.82E+00	8.68E+00	6.46E-06	3.94E-03	5.34E-02	8.55E-03	3.46E+01	3.20E+01	1.92E+01
6048	478854.34	3850507.36	1.07759	5.22695	0.06233	0.11164	0.17	0.091	5.3851	5.22695	7.51E+00	9.65E+00	6.49E-06	3.93E-03	5.33E-02	8.53E-03	3.82E+01	3.55E+01	1.98E+01
6049	478766.49	3850464.71	1.00722	5.36199	0.06257	0.11158	0.17	0.091	5.4981	5.36199	7.02E+00	9.90E+00	6.51E-06	3.93E-03	5.32E-02	8.53E-03	3.90E+01	3.65E+01	1.95E+01
6050	478678.63	3850422.06	1.0013	5.36376	0.06277	0.11173	0.168	0.091	5.4948	5.36376	6.98E+00	9.91E+00	6.53E-06	3.93E-03	5.25E-02	8.53E-03	3.89E+01	3.65E+01	1.94E+01
6051	478590.78	3850379.41	1.00979	5.45281	0.0635	0.11234	0.16	0.091	5.5719	5.45281	7.04E+00	1.01E+01	6.61E-06	3.95E-03	5.00E-02	8.56E-03	3.95E+01	3.71E+01	1.96E+01
6052	478502.93	3850336.77	0.99906	5.38471	0.064	0.11226	0.154	0.091	5.5243	5.38471	6.97E+00	9.95E+00	6.66E-06	3.95E-03	4.84E-02	8.52E-03	3.91E+01	3.66E+01	1.95E+01
6053	478415.07	3850294.12	0.96401	5.29281	0.06502	0.11214	0.152	0.091	5.4299	5.29281	6.72E+00	9.78E+00	6.77E-06	3.95E-03	4.77E-02	8.57E-03	3.85E+01	3.60E+01	1.90E+01
6054	478327.22	3850251.47	0.93619	5.41957	0.06589	0.11199	0.151	0.092	5.5542	5.41957	6.53E+00	1.00E+01	6.86E-06	3.94E-03	4.72E-02	8.62E-03	3.94E+01	3.69E+01	1.91E+01
6055	478239.36	3850208.82	0.90188	5.46422	0.06625	0.11163	0.148	0.091	5.584	5.46422	6.29E+00	1.01E+01	6.90E-06	3.93E-03	4.63E-02	8.54E-03	3.96E+01	3.72E+01	1.88E+01
6056	478151.51	3850166.18	0.87761	5.53539	0.06616	0.1111	0.145	0.089	5.6334	5.53539	6.12E+00	1.02E+01	6.89E-06	3.91E-03	4.55E-02	8.33E-03	3.99E+01	3.76E+01	1.87E+01
6057	478063.66	3850123.53	0.8653	5.59149	0.06574	0.11058	0.143	0.088	5.6951	5.59149	6.03E+00	1.03E+01	6.84E-06	3.89E-03	4.47E-02	8.22E-03	4.04E+01	3.80E+01	1.87E+01
6058	477975.8	3850080.88	0.84903	5.16138	0.06541	0.11154	0.142	0.088	5.2622	5.16138	5.92E+00	9.53E+00	6.81E-06	3.93E-03	4.46E-02	8.29E-03	3.73E+01	3.51E+01	1.77E+01
6059	477887.95	3850038.23	0.83594	5.20269	0.0649	0.11128	0.142	0.088	5.2888	5.20269	5.83E+00	9.61E+00	6.76E-06	3.92E-03	4.44E-02	8.28E-03	3.75E+01	3.54E+01	1.76E+01
6060	477800.1	3849995.59	0.82439	4.96348	0.06441	0.11096	0.141	0.088	5.0503	4.96348	5.75E+00	9.17E+00	6.71E-06	3.91E-03	4.42E-02	8.30E-03	3.58E+01	3.38E+01	1.70E+01
6061	477712.24	3849952.94	0.8177	4.97231	0.06406	0.11069	0.14	0.089	5.0609	4.97231	5.70E+00	9.18E+00	6.67E-06	3.90E-03	4.40E-02	8.36E-03	3.59E+01	3.38E+01	1.70E+01
6062	477624.39	3849910.29	0.81964	4.91597	0.0637	0.11034	0.14	0.09	5.0148	4.91597	5.71E+00	9.08E+00	6.63E-06	3.88E-03	4.38E-02	8.43E-03	3.55E+01	3.34E+01	1.70E+01
6063	477536.54	3849867.64	0.81975	4.80659	0.0634	0.10978	0.139	0.09	4.8968	4.80659	5.72E+00	8.88E+00	6.60E-06	3.86E-03	4.37E-02	8.50E-03	3.47E+01	3.27E+01	1.67E+01
6064	477448.68	3849825	0.80939	4.80059	0.06297	0.10803	0.133	0.091	4.8746	4.80059	5.64E+00	8.87E+00	6.56E-06	3.80E-03	4.16E-02	8.59E-03	3.45E+01	3.26E+01	1.65E+01
6065	477360.83	3849782.35	0.80149	4.75137	0.06266	0.10455	0.129	0.092	4.8219	4.75137	5.59E+00	8.78E+00	6.52E-06	3.68E-03	4.05E-02	8.68E-03	3.42E+01	3.23E+01	1.63E+01
6066	477272.97	3849739.7	0.79806	4.73123	0.06294	0.10063	0.127	0.093	4.7938	4.73123	5.56E+00	8.74E+00	6.55E-06	3.54E-03	3.97E-02	8.71E-03	3.40E+01	3.22E+01	1.61E+01
6067	477185.12	3849697.05	0.79659	4.68404	0.063	0.0994	0.127	0.093	4.7398	4.68404	5.55E+00	8.65E+00	6.56E-06	3.50E-03	3.99E-02	8.74E-03	3.36E+01	3.19E+01	1.60E+01
6068	477097.27	3849654.41	0.80012	4.72114	0.06238	0.09849	0.128	0.093	4.7724	4.72114	5.58E+00	8.72E+00	6.49E-06	3.47E-03	4.02E-02	8.73E-03	3.38E+01	3.21E+01	1.61E+01
6069	477009.41	3849611.76	0.82574	4.92544	0.06151	0.09727	0.128	0.093	4.9636	4.92544	5.76E+00	9.10E+00	6.40E-06	3.42E-03	4.01E-02	8.72E-03	3.52E+01	3.35E+01	1.66E+01
6070	476841.49	3849530.08	0.84372	4.8318	0.05916	0.09697	0.125	0.089	4.8508	4.8318	5.88E+00	8.92E+00	6.16E-06	3.41E-03	3.91E-02	8.33E-03	3.44E+01	3.29E+01	1.64E+01
6071	476761.41	3849491.05	0.90042	4.84326	0.0581	0.09734	0.124	0.087	4.8684	4.84326	6.28E+00	8.95E+00	6.05E-06	3.43E-03	3.89E-02	8.13E-03	3.45E+01	3.29E+01	1.68E+01
6072	476681.34	3849452.02	0.91581	5.07982	0.05809	0.09789	0.124	0.086	5.102	5.07982	6.38E+00	9.38E+00	6.05E-06	3.45E-03	3.88E-02	8.08E-03	3.61E+01	3.45E+01	1.74E+01
6073	476601.26	3849412.99	0.93083	5.33022	0.05807	0.09852	0.124	0.086	5.3568	5.33022	6.49E+00	9.84E+00	6.05E-06	3.47E-03	3.88E-02	8.07E-03	3.80E+01	3.62E+01	1.81E+01

6074	476456.32	3849353.67	0.88737	6.26727	0.05766	0.0999	0.127	0.085	6.2851	6.26727	6.19E+00	1.16E+01	6.00E-06	3.52E-03	3.99E-02	8.03E-03	4.45E+01	4.26E+01	1.97E+01
6075	476305.43	3849318.83	0.84494	6.12116	0.05698	0.09705	0.135	0.087	6.1539	6.12116	5.89E+00	1.13E+01	5.93E-06	3.42E-03	4.22E-02	8.18E-03	4.36E+01	4.16E+01	1.92E+01
6076	476129.36	3849289.99	0.83208	5.57716	0.05927	0.0968	0.132	0.093	5.6131	5.57716	5.80E+00	1.03E+01	6.17E-06	3.41E-03	4.13E-02	8.71E-03	3.98E+01	3.79E+01	1.80E+01
6077	476039.31	3849275.68	0.84107	5.45411	0.05886	0.09567	0.131	0.096	5.496	5.45411	5.86E+00	1.01E+01	6.13E-06	3.37E-03	4.09E-02	9.05E-03	3.89E+01	3.71E+01	1.78E+01
6078	475949.26	3849261.38	0.85884	5.79899	0.05845	0.09325	0.129	0.096	5.834	5.79899	5.99E+00	1.07E+01	6.09E-06	3.28E-03	4.04E-02	9.03E-03	4.13E+01	3.94E+01	1.87E+01
6079	475859.21	3849247.08	0.889	5.5389	0.05783	0.08968	0.127	0.097	5.5664	5.5389	6.20E+00	1.02E+01	6.02E-06	3.16E-03	3.97E-02	9.07E-03	3.94E+01	3.77E+01	1.83E+01
6080	475769.16	3849232.77	0.88267	5.33271	0.05718	0.08605	0.123	0.097	5.3584	5.33271	6.15E+00	9.85E+00	5.95E-06	3.03E-03	3.87E-02	9.10E-03	3.80E+01	3.63E+01	1.78E+01
6081	475585.22	3849219.27	0.78373	3.62606	0.05504	0.08158	0.119	0.097	3.657	3.62606	5.46E+00	6.70E+00	5.73E-06	2.87E-03	3.72E-02	9.09E-03	2.59E+01	2.47E+01	1.35E+01
6082	475444.49	3849150.34	0.90577	6.38146	0.05427	0.08121	0.119	0.095	6.4239	6.38146	6.31E+00	1.18E+01	5.65E-06	2.86E-03	3.72E-02	8.95E-03	4.55E+01	4.34E+01	2.03E+01
6083	475334.17	3849118.71	0.73548	5.26278	0.05364	0.08192	0.12	0.095	5.2896	5.26278	5.13E+00	9.72E+00	5.58E-06	2.88E-03	3.75E-02	8.93E-03	3.75E+01	3.58E+01	1.66E+01
6084	475230.46	3849060.57	0.72526	5.24267	0.05273	0.08147	0.119	0.094	5.2828	5.24267	5.06E+00	9.68E+00	5.49E-06	2.87E-03	3.73E-02	8.82E-03	3.74E+01	3.56E+01	1.66E+01
6085	475110.86	3848960.97	0.67708	5.00412	0.05227	0.08038	0.117	0.092	5.0481	5.00412	4.72E+00	9.24E+00	5.44E-06	2.83E-03	3.67E-02	8.61E-03	3.58E+01	3.40E+01	1.58E+01
6086	475037.79	3848896.28	0.64561	5.33993	0.05199	0.07929	0.116	0.091	5.3845	5.33993	4.50E+00	9.86E+00	5.41E-06	2.79E-03	3.63E-02	8.55E-03	3.82E+01	3.63E+01	1.63E+01
6087	474964.72	3848831.59	0.62543	5.53084	0.05163	0.07755	0.114	0.09	5.5763	5.53084	4.36E+00	1.02E+01	5.37E-06	2.73E-03	3.58E-02	8.50E-03	3.95E+01	3.76E+01	1.65E+01
6088	474891.65	3848766.9	0.54539	5.59562	0.05127	0.07683	0.113	0.09	5.6392	5.59562	3.80E+00	1.03E+01	5.34E-06	2.70E-03	3.54E-02	8.44E-03	4.00E+01	3.80E+01	1.61E+01
6089	474818.58	3848702.22	0.52971	5.71577	0.05092	0.07646	0.111	0.089	5.7575	5.71577	3.69E+00	1.06E+01	5.30E-06	2.69E-03	3.49E-02	8.39E-03	4.08E+01	3.89E+01	1.62E+01
6090	474745.51	3848637.53	0.45268	5.53263	0.05099	0.07659	0.111	0.089	5.5721	5.53263	3.16E+00	1.02E+01	5.31E-06	2.70E-03	3.47E-02	8.41E-03	3.95E+01	3.76E+01	1.53E+01
6091	474672.44	3848572.84	0.42218	5.48088	0.05074	0.07599	0.11	0.089	5.5207	5.48088	2.94E+00	1.01E+01	5.28E-06	2.67E-03	3.46E-02	8.40E-03	3.91E+01	3.73E+01	1.50E+01
6092	474599.37	3848508.15	0.40957	5.69419	0.05047	0.07481	0.11	0.089	5.7397	5.69419	2.86E+00	1.05E+01	5.25E-06	2.63E-03	3.46E-02	8.33E-03	4.07E+01	3.87E+01	1.54E+01
6093	474526.3	3848443.46	0.40102	5.76852	0.0502	0.07482	0.111	0.088	5.8076	5.76852	2.80E+00	1.07E+01	5.23E-06	2.63E-03	3.47E-02	8.30E-03	4.11E+01	3.92E+01	1.54E+01

			CO 1 hr Concentration [ug/m^3] at 1 g/s								Rates (g/s):	1.03E+01	4.50E-01	2.54E-05	5.18E-02	4.61E-01	1.38E-01	1.73E+00	1.66E+00	
												Unmitigated Concentration [ug/m^3]								
	X	Y	Equipment	Rail Hauling	Rail Idling	Off-Site	Solar	33kV	S Main	Remove Ex Main		Equipment	Rail Hauling	Rail Idling	Off-Site	Solar	33kV	S Main	Remove Ex M	Total
1	485973.61	3854936.51	6.56355	3.07045	5.48583	6.1867	20.4976	3.15737	3.22125	3.07045		67.3479799	1.381842703	0.0001392	0.32048	9.452476	0.43681	5.561521	5.08754851	79.4137
2	486023.61	3854936.51	6.4778	3.2122	5.4008	5.93987	17.98164	3.01681	3.28798	3.2122		66.4681071	1.445636676	0.000137	0.307694	8.29224	0.41736	5.676731	5.32241962	77.28549
3	486073.61	3854936.51	6.2095	3.35872	5.31911	5.72424	15.64838	2.91835	3.43249	3.35872		63.7151056	1.511577366	0.0001349	0.296524	7.216256	0.40374	5.926229	5.56519433	73.50437
4	486123.61	3854936.51	6.03901	3.47707	5.22712	5.42473	12.75616	2.72441	3.54394	3.47707		61.9657235	1.56484027	0.0001326	0.281009	5.882508	0.37691	6.118648	5.76129307	70.42848
5	486173.61	3854936.51	6.00396	3.62678	5.15121	5.27919	15.5675	2.69106	3.69549	3.62678		61.6060786	1.632216606	0.0001307	0.273469	7.178958	0.37229	6.380301	6.00935341	71.4341
6	486223.61	3854936.51	5.88596	3.76446	5.07556	5.04917	16.91031	2.56737	3.8291	3.76446		60.3952916	1.694178893	0.0001288	0.261554	7.798196	0.35518	6.61098	6.23748078	70.87803
7	486273.61	3854936.51	5.79522	3.88496	5.00259	4.855	18.07737	2.47604	3.94778	3.88496		59.4642168	1.748409395	0.0001269	0.251496	8.336386	0.34255	6.815882	6.43714194	70.52192
8	486323.61	3854936.51	5.71589	3.99137	4.91039	4.70247	18.80554	2.39724	4.05174	3.99137		58.650219	1.796298754	0.0001246	0.243595	8.672182	0.33165	6.99537	6.61345682	70.07598
9	485973.61	3854986.51	6.7246	2.99094	4.73681	6.60773	23.08389	3.52066	3.57304	2.99094		69.0004991	1.346059573	0.0001202	0.34229	10.64514	0.48707	6.16889	4.95580529	83.03426
10	486023.61	3854986.51	6.64453	2.97633	4.66934	6.41236	20.74298	3.38184	3.44551	2.97633		68.1789082	1.339484405	0.0001185	0.332169	9.565633	0.46786	5.948708	4.93159741	80.90128
11	486073.61	3854986.51	6.56089	3.09751	4.6031	6.2056	18.12261	3.22619	3.30315	3.09751		67.3206859	1.394020939	0.0001168	0.321459	8.357248	0.44633	5.702922	5.13238528	78.41039
12	486123.61	3854986.51	6.47874	3.23816	4.64887	5.99551	15.49749	3.0779	3.31147	3.23816		66.4777523	1.457319861	0.0001179	0.310576	7.146673	0.42581	5.717287	5.36543376	76.1701
13	486173.61	3854986.51	6.2213	3.38614	4.47737	5.82482	15.33753	2.9834	3.45824	3.38614		63.8361843	1.523917618	0.0001136	0.301734	7.072907	0.41274	5.970686	5.6106276	73.50765
14	486223.61	3854986.51	6.10523	3.5123	4.58216	5.61264	17.00763	2.83956	3.58107	3.5123		62.6452008	1.580695379	0.0001162	0.290743	7.843075	0.39284	6.182754	5.81966703	73.11576
15	486273.61	3854986.51	5.97144	3.64662	5.2937	5.38365	17.88317	2.68553	3.71108	3.64662		61.2723939	1.641145512	0.0001343	0.278881	8.24683	0.37153	6.407217	6.04222708	72.1759
16	486323.61	3854986.51	5.95956	3.78128	5.83044	5.28401	20.06223	2.66598	3.84669	3.78128		61.1504944	1.701748661	0.0001479	0.273719	9.251705	0.36883	6.641349	6.2653505	73.12264
17	485973.61	3855036.51	6.88629	3.18012	4.66119	6.48589	26.51182	3.84903	3.71832	3.18012		70.6595852	1.431199211	0.0001182	0.335978	12.22594	0.53249	6.419717	5.26926502	86.33576
18	486023.61	3855036.51	6.80547	3.04686	5.04023	6.3407	23.42454	3.70508	3.60403	3.04686		69.8302987	1.371226126	0.0001279	0.328457	10.80224	0.51258	6.222394	5.04846132	84.01886
19	486073.61	3855036.51	6.71931	2.88808	5.00116	6.17547	20.63828	3.53367	3.46788	2.88808		68.9462189	1.299767876	0.0001269	0.319898	9.51735	0.48887	5.98733	4.78537253	81.77419
20	486123.61	3855036.51	6.63855	2.98167	4.5081	6.01893	18.03269	3.39363	3.35023	2.98167		68.117548	1.341887649	0.0001144	0.311789	8.315781	0.46949	5.784206	4.94044546	79.40037
21	486173.61	3855036.51	6.57108	3.13086	5.40504	5.89676	15.68809	3.30403	3.26977	3.13086		67.4252446	1.409029962	0.0001371	0.30546	7.234568	0.4571	5.645291	5.1876442	77.28918
22	486223.61	3855036.51	6.29404	3.26151	6.02258	5.71251	16.4798	3.13956	3.33233	3.26151		64.5825627	1.467828427	0.0001528	0.295916	7.599666	0.43434	5.753302	5.40412328	74.72965
23	486273.61	3855036.51	6.23872	3.40951	6.36286	5.60744	19.03739	3.07172	3.47994	3.40951		64.0149293	1.534435185	0.0001614	0.290473	8.779099	0.42496	6.008152	5.64935026	75.40286
24	486323.61	3855036.51	6.13741	3.53682	6.24677	5.45176	20.15281	2.94872	3.60502	3.53682		62.9753968	1.591730499	0.0001585	0.282409	9.293476	0.40794	6.224104	5.86029517	74.91492
25	485973.61	3855086.51	7.03928	3.2939	5.61939	6.03503	29.77631	3.92646	3.59931	3.2939		72.2294015	1.482405406	0.0001426	0.312623	13.73136	0.54321	6.214245	5.45779154	89.05559
26	486023.61	3855086.51	6.96554	3.21236	5.43838	5.92367	27.01794	3.82053	3.523	3.21236		71.4727622	1.445708683	0.000138	0.306854	12.45933	0.52855	6.082495	5.32268473	86.97316
27	486073.61	3855086.51	6.88385	3.07977	5.36189	5.775	23.43538	3.66258	3.41608	3.07977		70.6345486	1.386037129	0.000136	0.299153	10.80723	0.5067	5.897897	5.10299118	84.42871
28	486123.61	3855086.51	6.80803	2.94419	6.27402	5.67586	21.00864	3.56469	3.34197	2.94419		69.8565666	1.325019938	0.0001592	0.294017	9.688142	0.49316	5.769945	4.87834338	82.54866
29	486173.61	3855086.51	6.72508	2.8883	6.74593	5.53551	18.16713	3.42109	3.23645	2.8883		69.0054243	1.299866886	0.0001711	0.286747	8.377779	0.47329	5.587764	4.78573706	80.24531
30	486223.61	3855086.51	6.65122	3.01982	6.81766	5.43884	16.38392	3.32493	3.16123	3.01982		68.2475537	1.359056891	0.0001729	0.28174	7.555451	0.45999	5.457896	5.00365769	78.3582
31	485973.61	3855136.51	7.11884	3.34983	5.75721	6.20828	33.28266	3.80744	3.67866	3.34983		73.0457593	1.50757646	0.000146	0.321598	15.34831	0.52674	6.351244	5.55046414	91.55091
32	486023.61	3855136.51	7.08628	3.30383	6.42892	6.14578	30.47387	3.70322	3.49755	3.30383		72.7116641	1.48687436	0.0001631	0.31836	14.05304	0.51232	6.038556	5.47424495	89.64673
33	486073.61	3855136.51	7.04454	3.2264	7.18537	6.13937	27.22882	3.59691	3.35186	3.2264		72.2833739	1.452027324	0.0001823	0.318028	12.55658	0.49761	5.78702	5.34594815	87.54888
34	486123.61	3855136.51	6.96731	3.12434	7.45568	5.90254	23.95968	3.49674	3.20444	3.12434		71.490924	1.406095664	0.0001891	0.30576	11.04902	0.48376	5.532498	5.17684096	85.0914
35	486173.61	3855136.51	6.88838	2.98978	7.19558	5.65909	21.06873	3.38473	3.05684	2.98978		70.6810305	1.34553752	0.0001825	0.293149	9.715852	0.46826	5.277665	4.95388324	82.82779
36	486223.61	3855136.51	6.81001	2.85286	6.52528	5.40247	18.34233	3.28815	2.9895	2.85286		69.8768832	1.283917268	0.0001655	0.279855	8.458572	0.4549	5.161402	4.72701514	80.78868
37	485973.61	3855186.51	7.16892	3.33749	7.57046	6.9534	36.45456	3.69716	4.05546	3.33749		73.5596255	1.502022897	0.000192	0.360196	16.81103	0.51148	7.001793	5.53001751	94.21633
38	486023.61	3855186.51	7.14924	3.33675	8.13049	6.56758	34.15293	3.58936	3.96538	3.33675		73.3576909	1.501689863	0.0002063	0.34021	15.74964	0.49657	6.846269	5.52879138	92.76348
39	486073.61	3855186.51	7.14527	3.29669	8.03073	6.37115	30.84008	3.47722	3.76017	3.29669		73.3169551	1.483661034	0.0002037	0.330034	14.22191	0.48106	6.491972	5.4624144	90.86338
40	486123.61	3855186.51	7.11876	3.22785	7.3955	6.31144	27.25597	3.34642	3.53664	3.22785		73.0449384	1.45267989	0.0001876	0.326941	12.5691	0.46296	6.106045	5.34835072	88.6145
41	486173.61	3855186.51	7.04346	3.13967	6.55081	6.06551	23.88746	3.20531	3.3529	3.13967		72.2722921	1.412994864	0.0001662	0.314202	11.01571	0.44344	5.788816	5.20224183	86.04538
42	486223.61	3855186.51	6.96374	3.02385	6.26349	5.89356	21.04171	3.09316	3.22721	3.02385		71.4542925	1.360870575	0.0001589	0.305295	9.703392	0.42792	5.571811	5.01033515	83.81341
43	486273.61	3855186.51	6.88172	2.87887	6.77049	5.70778	18.18044	2.99731	3.09463	2.87887		70.6126929	1.295622955	0.0001718	0.295671	8.383916	0.41466	5.34291	4.77011213	81.57554
44	486323.61	3855186.51	6.8174	2.86237	7.24343	5.4821	21.5722	3.04785	3.00293	2.86237		69.9527113	1.288197202	0.0001838	0.28398	9.948028	0.42166	5.184589	4.74277263	82.33657
45	485973.61	3855236.51	7.20423	3.25967	8.95654	7.51377	38.9371	3.86526	4.04058	3.25967		73.9219382	1.467000343	0.0002272	0.389224	17.95586	0.53474	6.976102	5.40107452	95.84401
46	486023.61	3855236.51	7.22988	3.29257	8.45625	7.15069	36.96416	3.69801	4.03913	3.29257		74.1851305	1.481806846	0.0002145	0.370416	17.04604	0.5116	6.973599	5.45558781	95.11322
47	486073.61	3855236.51	7.24486	3.29437	7.42248	6.84814	34.00666	3.82499	4.1406	3.29437		74.3388389	1.482616928	0.0001883	0.354743	15.68218	0.52917	7.148788	5.4585703	94.07796
48	486123.61	3855236.51	7.21782	3.27496	7.07499	6.64258	30.87328	3.64081	3.97625	3.27496		74.0613839	1.473881542	0.0001795	0.344095	14.23722	0.50369	6.865036	5.42640911	92.05908
49	486173.61	3855236.51	7.17572	3.22931	7.41789	6.69236	27.51889	3.45529	3.79909	3.22931		73.6293997	1.453336957	0.0001882	0.346674	12.69035	0.47802	6.559167	5.35076985	89.80636
50	486223.61	3855236.51	7.11476	3.15238	7.75266	6.46268	23.93363	3.31983	3.60728	3.15238		73.0038948	1.418714944	0.0001967	0.334776	11.037	0.45928	6.228005	5.22330153	87.25857
51	486273.61	3855236.51	7.0258	3.02909	7.70182	6.16487	20.52385	3.1806	3.37547	3.02909		72.0910844	1.363228815	0.0001954	0.319349	9.464581	0.44002	5.827783	5.01901751	84.48722
52	486323.61	3855236.51	6.95833	2.95663	7.78732	5.81306	20.87084	3.11226	3.28108	2.95663		71.398781	1.330618506	0.0001975	0.301125	9.624595	0.43057	5.664818	4.89895571	83.85175
53	485973.61	3855286.51	7.233	3.13193	8.67699	7.63319	40.57451	4.17162	4.12991	3.13193		74.2171445	1.409511511	0.0002201	0.39541	18.71095	0.57712	7.130331	5.18941712	97.25127
54	486023.61	3855286.51	7.28507	3.1961	8.07897	7.36133	39.40213	3.94976	3.98449	3.1961		74.75143	1.438390941	0.0002049	0.381327	18.17031	0.54643	6.879262	5.2957429	96.87161
55	486073.61	3855286.51	7.30072	3.24027	8.15958	7.13219	37.2941	3.80791	4.00295	3.24027		74.9120132	1.458269458	0.000207	0.369457	17.19819	0.52681	6.911134	5.3689299	96.00714

56	486123.61	3855286.51	7.30861	3.2561	8.53971	6.92312	34.23472	3.97159	4.18749	3.2561	74.9929717	1.46539368	0.0002166	0.358627	15.78735	0.54945	7.229744	5.39515924	94.9886
57	486173.61	3855286.51	7.28803	3.24619	8.59729	6.78268	30.81591	3.83304	4.08181	3.24619	74.7818022	1.460933728	0.0002181	0.351352	14.21077	0.53028	7.047286	5.37873898	93.0039
58	486223.61	3855286.51	7.23652	3.21695	8.38905	6.82929	27.49446	3.67403	3.94975	3.21695	74.2532629	1.447774393	0.0002128	0.353767	12.67908	0.50828	6.819283	5.33029008	90.73137
59	486123.61	3855336.51	7.38565	3.18113	9.29494	6.94433	37.34312	3.90318	3.95637	3.18113	75.783472	1.431653757	0.0002358	0.359726	17.22079	0.53999	6.830713	5.27093852	96.89564
60	486173.61	3855336.51	7.36019	3.21437	8.72062	6.81829	34.5083	3.97248	4.10398	3.21437	75.5222293	1.446613275	0.0002212	0.353197	15.91351	0.54957	7.085563	5.32601518	95.5449
61	486223.61	3855336.51	7.33079	3.21973	7.89239	6.67856	31.08525	3.91653	4.0489	3.21973	75.2205586	1.44902552	0.0002002	0.345959	14.33497	0.54183	6.990467	5.33489637	93.54812
62	486123.61	3855386.51	7.4365	3.06083	8.72194	6.91176	40.13437	3.97219	3.82089	3.06083	76.3052392	1.377513264	0.0002213	0.358039	18.50798	0.54953	6.596805	5.07160876	98.62372
63	486173.61	3855386.51	7.42235	3.12556	7.61348	6.68965	37.84659	3.87508	3.76146	3.12556	76.1600473	1.40664472	0.0001931	0.346533	17.45297	0.5361	6.494199	5.17886242	97.21782
64	486223.61	3855386.51	7.3909	3.17078	6.45902	6.54811	34.92078	3.86662	3.82792	3.17078	75.8373418	1.426995784	0.0001639	0.339201	16.10373	0.53493	6.608943	5.2537892	95.59751
65	486533.18	3855443.15	7.07298	3.04728	5.17832	5.9577	29.71574	3.49957	3.53681	3.04728	72.5751941	1.371415145	0.0001314	0.308617	13.70342	0.48415	6.106338	5.04915723	89.50011
66	486583.18	3855443.15	6.99936	2.95367	5.25087	5.96426	31.24417	3.42374	3.49653	2.95367	71.819786	1.329286371	0.0001332	0.308957	14.40826	0.47366	6.036794	4.89405117	89.48282
67	486633.18	3855443.15	6.9012	2.83561	5.19492	5.90272	31.75836	3.33247	3.4394	2.83561	70.8125754	1.27615398	0.0001318	0.305769	14.64538	0.46103	5.938159	4.69843294	88.74077
68	486683.18	3855443.15	6.80321	2.73223	5.07117	5.81024	31.94149	3.24018	3.37312	2.73223	69.807109	1.229628259	0.0001286	0.300979	14.72983	0.44826	5.823726	4.52713858	87.81252
69	486533.18	3855493.15	7.13043	3.10642	5.71173	5.69123	29.36936	3.49156	3.37011	3.10642	73.1646832	1.398030846	0.0001449	0.294814	13.54369	0.48304	5.818529	5.14714861	89.55578
70	486583.18	3855493.15	7.05363	3.0534	5.39219	5.64847	31.75328	3.44024	3.36046	3.0534	72.3766455	1.374169425	0.0001368	0.292599	14.64304	0.47594	5.801868	5.0592977	89.9051
71	486633.18	3855493.15	6.97422	2.97374	4.97373	5.67243	32.99104	3.38174	3.35187	2.97374	71.5618268	1.338318787	0.0001262	0.29384	15.21383	0.46785	5.787038	4.92730593	89.73552
72	486683.18	3855493.15	6.88059	2.87026	4.81187	5.65103	33.17849	3.32047	3.32611	2.87026	70.6010981	1.291748062	0.0001221	0.292731	15.30027	0.45937	5.742563	4.75584588	88.93206
73	486533.18	3855543.15	7.158	3.11205	5.71401	5.70235	29.00757	3.44184	3.46795	3.11205	73.4475764	1.400564603	0.000145	0.29539	13.37685	0.47616	5.987451	5.15647717	89.82766
74	486583.18	3855543.15	7.10521	3.09025	5.45642	5.56451	31.22861	3.38328	3.39768	3.09025	72.9059031	1.390753607	0.0001384	0.288249	14.40108	0.46806	5.866129	5.1203559	90.19996
75	486633.18	3855543.15	7.0191	3.04986	5.24896	5.43559	33.30989	3.33686	3.27908	3.04986	72.0223364	1.372576263	0.0001332	0.281571	15.36087	0.46164	5.661365	5.05343213	90.10706
76	486683.18	3855543.15	6.94393	2.9762	4.84521	5.43635	33.3014	3.28235	3.15121	2.9762	71.2510239	1.3394259	0.0001229	0.281611	15.35695	0.4541	5.440596	4.931382	89.19245
77	486533.18	3855593.15	7.18158	3.06092	5.93313	5.82862	29.25417	3.45585	3.39828	3.06092	73.6895286	1.377553768	0.0001505	0.301931	13.49057	0.4781	5.867165	5.07175788	90.13324
78	486583.18	3855593.15	7.12208	3.07767	5.95478	5.68395	30.94084	3.35553	3.417	3.07767	73.0790046	1.385092033	0.0001511	0.294437	14.26838	0.46422	5.899485	5.09951161	90.29126
79	486633.18	3855593.15	7.04449	3.07114	5.89258	5.55836	33.32316	3.28214	3.38417	3.07114	72.2828608	1.382153235	0.0001495	0.287931	15.36699	0.45407	5.842804	5.0886918	90.52826
80	486683.18	3855593.15	6.94747	3.04337	5.77569	5.41385	35.12548	3.23719	3.31263	3.04337	71.2873476	1.369655467	0.0001465	0.280445	16.19813	0.44785	5.719289	5.0426786	90.26018
81	486533.18	3855643.15	7.17829	2.96571	6.60853	6.27362	33.4804	3.53297	3.60311	2.96571	73.6557702	1.334704921	0.0001676	0.324982	15.4395	0.48877	6.220806	4.91400071	92.5507
82	486583.18	3855643.15	7.11396	3.01398	6.19994	5.98543	30.30056	3.42488	3.49651	3.01398	72.9956861	1.356428625	0.0001573	0.310054	13.97311	0.47382	6.03676	4.99398116	90.15203
83	486633.18	3855643.15	7.0389	3.04208	6.23443	5.68863	33.28313	3.30908	3.38777	3.04208	72.2255023	1.369074908	0.0001582	0.294679	15.34853	0.4578	5.849019	5.04054115	90.50421
84	486683.18	3855643.15	6.94681	3.04767	6.24596	5.48817	35.49646	3.21468	3.30598	3.04767	71.2805754	1.371590663	0.0001584	0.284295	16.36921	0.44474	5.707808	5.04980344	90.40856
85	486533.18	3855693.15	7.287	2.83938	7.5783	6.68811	38.16403	3.62993	3.79352	2.83938	74.7712335	1.277850652	0.0001922	0.346453	17.59936	0.50218	6.549551	4.7046796	96.34214
86	486583.18	3855693.15	7.22611	2.90781	7.20821	6.35376	33.41541	3.48588	3.63329	2.90781	74.1464468	1.308647277	0.0001829	0.329134	15.40953	0.48225	6.272912	4.81806394	93.13104
87	486633.18	3855693.15	7.15797	2.96009	6.77346	6.07138	31.56541	3.32062	3.60239	2.96009	73.4472686	1.332175664	0.0001718	0.314506	14.5564	0.45939	6.219563	4.90468872	91.42479
88	486683.18	3855693.15	7.03915	3.00159	6.53685	5.8161	35.40238	3.27533	3.47636	3.00159	72.2280676	1.350852559	0.0001658	0.301282	16.32582	0.45313	6.001971	4.97345169	91.68783
89	486733.18	3855693.15	6.907	3.02585	6.34172	5.55821	39.33947	3.27608	3.30625	3.02585	70.8720886	1.361770667	0.0001609	0.287923	18.14141	0.45323	5.708274	5.01364903	91.81121
90	486783.18	3855693.15	6.77081	3.02864	6.14784	5.2997	42.72227	3.27749	3.11756	3.02864	69.4746556	1.363026294	0.000156	0.274532	19.70139	0.45342	5.382499	5.01827189	91.63141
91	486533.18	3855743.15	7.48199	2.68923	7.23614	6.97176	42.55964	3.6984	3.89383	2.68923	76.7720079	1.210276296	0.0001836	0.361147	19.62639	0.51166	6.722737	4.4558902	100.7485
92	486583.18	3855743.15	7.448	2.77215	6.44448	6.71218	37.40372	3.54252	3.78969	2.77215	76.4232396	1.247594082	0.0001635	0.3477	17.24874	0.49009	6.542938	4.59328359	97.70718
93	486633.18	3855743.15	7.36466	2.84627	5.82609	6.44855	32.92628	3.393	3.67662	2.84627	75.5680956	1.280951467	0.0001478	0.334044	15.18397	0.4694	6.347722	4.71609591	94.46824
94	486683.18	3855743.15	7.22841	2.91332	5.58451	6.15843	35.66646	3.38054	3.5347	2.91332	74.1700469	1.311127028	0.0001417	0.319015	16.4476	0.46768	6.102695	4.82719368	93.99111
95	486733.18	3855743.15	7.11488	2.96211	5.642	5.87966	39.24446	3.32787	3.40053	2.96211	73.0051261	1.333084756	0.0001431	0.304575	18.0976	0.46039	5.87105	4.90803573	94.16393
96	486783.18	3855743.15	6.95814	2.99636	5.80476	5.65127	44.17177	3.3603	3.28559	2.99636	71.3968314	1.34849882	0.0001473	0.292744	20.36983	0.46488	5.672604	4.9647859	94.58075
97	486533.18	3855793.15	7.66626	2.52703	6.90882	7.06661	46.9094	3.85288	3.87437	2.52703	78.6627853	1.137278889	0.0001753	0.36606	21.63229	0.53303	6.689139	4.18713469	104.8336
98	486583.18	3855793.15	7.68152	2.6189	6.48132	6.88761	41.15137	3.70005	3.81769	2.6189	78.8193668	1.178624584	0.0001644	0.356788	18.97697	0.51188	6.59128	4.33935768	102.0957
99	486633.18	3855793.15	7.5394	2.71058	6.40698	6.68844	37.91844	3.57201	3.74436	2.71058	77.3610866	1.219884771	0.0001625	0.346471	17.4861	0.49417	6.464675	4.49126585	98.88129
100	486683.18	3855793.15	7.39738	2.7939	6.30905	6.46751	35.80445	3.46409	3.65325	2.7939	75.9038325	1.257382575	0.00016	0.335026	16.51123	0.47924	6.307373	4.62932201	96.16493
101	486733.18	3855793.15	7.27452	2.86429	6.14169	6.22904	40.54558	3.43197	3.55197	2.86429	74.6431774	1.289061289	0.0001558	0.322673	18.69761	0.4748	6.132512	4.74595395	96.81403
102	486783.18	3855793.15	7.14742	2.9198	5.97305	5.97851	44.73473	3.41081	3.43437	2.9198	73.339016	1.314043324	0.0001515	0.309695	20.62944	0.47187	5.929475	4.83793064	97.15576
103	486533.18	3855843.15	7.88965	2.36594	6.66108	7.01713	50.15958	3.93336	3.79124	2.36594	80.9549695	1.064781034	0.000169	0.363497	23.13111	0.54416	6.545614	3.92021838	108.6841
104	486583.18	3855843.15	7.86652	2.46257	6.35686	6.90194	45.69235	3.80555	3.75876	2.46257	80.7176347	1.108268946	0.0001613	0.35753	21.07104	0.52648	6.489537	4.0803284	106.1903
105	486633.18	3855843.15	7.7176	2.55847	6.42429	6.76695	42.78577	3.7015	3.71371	2.55847	79.1895803	1.151428325	0.000163	0.350537	19.73067	0.51208	6.411758	4.23922885	103.107
106	486683.18	3855843.15	7.57295	2.64939	6.46265	6.61206	39.43303	3.58918	3.65992	2.64939	77.70534	1.192346477	0.0001639	0.342514	18.18456	0.49655	6.318889	4.38987775	99.85048
107	486733.18	3855843.15	7.43502	2.73399	6.46546	6.43502	40.71515	3.49265	3.59599	2.73399	76.290053	1.23042034	0.000164	0.333343	18.77581	0.48319	6.208513	4.5300548	98.79144
108	486783.18	3855843.15	7.31034	2.8077	6.41336	6.23713	45.56496	3.46806	3.52241	2.8077	75.0107231	1.263593205	0.0001627	0.323092	21.0123	0.47979	6.081477	4.65218777	99.51895
109	486533.18	3855893.15	8.17144	2.21738	6.99866	8.15316	51.76236	4.14313	4.24384	2.21738	83.8463906	0.99792225	0.0001775	0.422345	23.87023	0.57318	7.327033	3.67406351	113.3632
110	486583.18	3855893.15	8.0236	2.30691	6.81414	7.17714	50.29071	3.86311	3.8163	2.30691	82.329418	1.038214838	0.0001729	0.371786	23.19158	0.53444	6.588881	3.82240927	110.2321
111	486633.18	3855893.15	7.88728	2.39997	6.59704	6.71544	47.6327	3.78184	3.62955	2.39997	80.9306511	1.080096088	0.0001674	0.347869	21.96584	0.5232	6.266455	3.97660401	107.1377
112	486683.18	3855893.15	7.74046	2.49312	6.50729	6.61168	44.49084	3.69109	3.59686	2.49312	79.4241447	1.122017841	0.0001651	0.342494	20.51697	0.51064	6.210015	4.13094789	103.9955
113	486733.18	3855893.15	7.59993	2.58383	6.49043	6.48308	40.88336	3.59594	3.56038	2.58383	77.9821793	1.162841483	0.0001646	0.335833	18.85338	0.49748	6.147032	4.28124883	100.6977
114	486783.18	3855893.15	7.45386	2.66539	6.47019	6.33807	46.04877	3.50758	3.51394	2.66539	76.4833685	1.199547207	0.0001641	0.328321	21.23541	0.48526	6.066853	4.41638878	101.3825

115	486533.18	3855943.15	8.36693	2.07924	7.53304	9.53419	53.88857	4.80781	4.94149	2.07924
116	486583.18	3855943.15	8.1697	2.15598	7.46849	8.60655	54.3457	4.38035	4.52157	2.15598
117	486633.18	3855943.15	8.04631	2.24378	7.39998	7.69264	52.2602	3.9583	4.10099	2.24378
118	486683.18	3855943.15	7.88198	2.33039	7.33149	6.80779	49.89082	3.73766	3.75188	2.33039
119	486733.18	3855943.15	7.75421	2.42145	7.26085	6.42054	46.20574	3.65644	3.48601	2.42145
120	486783.18	3855943.15	7.59852	2.5083	7.19044	6.31174	45.60769	3.57591	3.45518	2.5083
121	486533.18	3855993.15	8.51546	1.95665	8.09198	10.63702	55.45986	5.36752	5.61716	1.95665
122	486583.18	3855993.15	8.34748	2.02414	7.97265	9.79871	56.89552	4.96801	5.16431	2.02414
123	486633.18	3855993.15	8.19635	2.09945	7.85516	8.9613	56.38652	4.57353	4.73841	2.09945
124	486683.18	3855993.15	8.03011	2.17941	7.74045	8.11732	54.82435	4.17991	4.35582	2.17941
125	486733.18	3855993.15	7.89284	2.26445	7.62732	7.28189	51.75509	3.79183	3.99951	2.26445
126	486783.18	3855993.15	7.74803	2.35092	7.51682	6.46808	48.14525	3.59739	3.68879	2.35092
127	486533.18	3856043.15	8.67731	1.85356	8.07895	11.9071	55.11356	5.94482	6.22806	1.85356
128	486583.18	3856043.15	8.48734	1.91118	7.93108	10.8019	58.77106	5.45591	5.79087	1.91118
129	486633.18	3856043.15	8.34451	1.97597	7.78711	9.94847	59.6093	5.0694	5.35975	1.97597
130	486683.18	3856043.15	8.1667	2.04552	7.64904	9.18037	59.3323	4.7159	4.96026	2.04552
131	486733.18	3856043.15	8.03452	2.12053	7.51439	8.43096	56.95559	4.35242	4.57536	2.12053
132	486783.18	3856043.15	7.86608	2.19883	7.3853	7.67633	54.16362	3.99965	4.23742	2.19883
133	486533.18	3856093.15	8.817	1.76893	7.64615	13.01454	52.94972	6.55872	6.66848	1.76893
134	486583.18	3856093.15	8.64315	1.81442	7.55766	11.96373	58.74447	6.07653	6.27454	1.81442
135	486633.18	3856093.15	8.48327	1.86754	7.49194	10.97636	61.75994	5.61012	5.88102	1.86754
136	486683.18	3856093.15	8.31009	1.9263	7.51422	9.98629	62.86089	5.16952	5.49842	1.9263
137	486733.18	3856093.15	8.16295	1.99201	7.46343	9.29159	61.83955	4.84097	5.12366	1.99201
138	486783.18	3856093.15	8.00205	2.06453	7.53612	8.66604	59.70299	4.50847	4.77158	2.06453
139	486533.18	3856143.15	8.99123	1.70475	7.92172	14.23534	47.99743	7.06273	7.03257	1.70475
140	486583.18	3856143.15	8.82296	1.74048	7.81398	13.04018	56.32593	6.5969	6.68991	1.74048
141	486633.18	3856143.15	8.63201	1.78486	7.87722	12.02333	62.19712	6.11596	6.32134	1.78486
142	486683.18	3856143.15	8.46113	1.83442	7.88438	11.09666	65.14265	5.67728	5.96158	1.83442
143	486733.18	3856143.15	8.29898	1.89015	7.88916	10.226	65.80843	5.25845	5.60723	1.89015
144	486783.18	3856143.15	8.11025	1.95276	8.05921	9.4273	65.26239	4.90439	5.27296	1.95276
145	486533.18	3856193.15	9.16718	1.65551	8.34039	15.74398	40.79591	7.59911	7.20887	1.65551
146	486583.18	3856193.15	8.99754	1.68168	8.14181	14.35747	51.57129	7.08695	6.94061	1.68168
147	486633.18	3856193.15	8.79646	1.71798	8.18711	13.05429	60.36426	6.60175	6.62019	1.71798
148	486683.18	3856193.15	8.58822	1.76176	8.32667	12.05321	66.35842	6.1331	6.25015	1.76176
149	486733.18	3856193.15	8.4293	1.80706	8.25536	11.18444	68.85105	5.73663	5.94728	1.80706
150	486783.18	3856193.15	8.23527	1.86332	8.40477	10.40843	69.82652	5.36554	5.65002	1.86332
151	486533.18	3856243.15	9.38633	1.61452	8.91283	18.0066	41.67132	8.31889	7.42174	1.61452
152	486583.18	3856243.15	9.16995	1.63856	8.7308	16.09371	44.39038	7.67126	7.1022	1.63856
153	486633.18	3856243.15	8.96592	1.66704	8.59844	14.53925	55.97119	7.11548	6.80405	1.66704
154	486683.18	3856243.15	8.76202	1.70185	8.62353	13.28541	64.8449	6.62211	6.49126	1.70185
155	486733.18	3856243.15	8.56008	1.74347	8.70891	12.25052	70.53648	6.1658	6.21148	1.74347
156	486783.18	3856243.15	8.3856	1.78806	8.67672	11.36868	73.00626	5.78624	5.94882	1.78806
157	486533.18	3856293.15	9.6291	1.71519	8.89544	21.08492	52.25373	9.11662	7.68344	1.71519
158	486583.18	3856293.15	9.39075	1.60081	8.88435	18.4515	46.8819	8.32055	7.32021	1.60081
159	486633.18	3856293.15	9.16092	1.62523	8.95243	16.4185	48.54013	7.64353	6.99801	1.62523
160	486683.18	3856293.15	8.94371	1.65388	9.04345	14.8059	60.66771	7.08404	6.70638	1.65388
161	486733.18	3856293.15	8.71989	1.68995	9.26186	13.48883	69.82054	6.60156	6.41921	1.68995
162	486783.18	3856293.15	8.53597	1.72664	9.28999	12.45327	74.94105	6.20335	6.174	1.72664
163	486783.18	3856343.15	8.68801	1.68042	8.53373	13.42379	75.09329	6.70877	6.2931	1.68042
164	486833.18	3856343.15	8.49336	1.71734	8.70553	12.454	80.0835	6.30368	6.08485	1.71734
165	486883.18	3856343.15	8.30909	1.75719	8.86539	11.67516	82.08709	5.94133	5.88509	1.75719
166	486783.18	3856393.15	8.89997	1.63619	8.18006	14.6076	71.63189	7.29457	6.44949	1.63619
167	486833.18	3856393.15	8.68421	1.66703	7.8985	13.49432	80.35396	6.80754	6.22037	1.66703
168	486883.18	3856393.15	8.50009	1.69853	7.57779	12.56162	84.73149	6.38856	6.01776	1.69853
169	487208.74	3856886.11	9.54732	1.85492	10.10779	16.82424	148.3507	8.12685	6.06167	1.85492
170	487258.74	3856886.11	9.28264	1.84395	13.03457	15.12756	142.8652	7.52765	5.82138	1.84395
171	487308.74	3856886.11	9.03882	1.83443	9.63642	13.86174	145.9622	7.03618	5.61098	1.83443
172	487358.74	3856886.11	8.81963	1.81672	9.06417	12.87507	146.938	6.6261	5.42916	1.81672
173	487208.74	3856936.11	9.90609	1.91058	10.33163	19.42782	149.9117	8.9886	6.30013	1.91058

85.8522954	0.935752942	0.0001911	0.493884	24.85073	0.66514	8.531533	3.44517395	117.8844		
83.8285366	0.970289447	0.0001895	0.445831	25.06154	0.606	7.806536	3.57232746	115.1466		
82.5624432	1.009803456	0.0001877	0.398489	24.09981	0.54761	7.080401	3.7178067	111.9809		
80.8762683	1.048781911	0.000186	0.352653	23.00717	0.51709	6.477659	3.8613142	108.4185		
79.5652321	1.089763068	0.0001842	0.332593	21.30779	0.50585	6.018632	4.01219507	104.8079		
77.9677114	1.128849534	0.0001824	0.326957	21.032	0.49471	5.965403	4.15610022	102.7597		
87.376348	0.880581845	0.0002053	0.551012	25.57533	0.74257	9.698084	3.24204979	121.5821		
85.6527208	0.910955426	0.0002022	0.507587	26.23739	0.6873	8.916234	3.35387661	119.5585		
84.1019898	0.944848365	0.0001993	0.464208	26.00266	0.63273	8.180913	3.47866069	116.8489		
82.3962165	0.980834016	0.0001964	0.420489	25.28227	0.57827	7.520367	3.61114954	113.5675		
80.9877017	1.0191059	0.0001935	0.377212	23.86688	0.52458	6.905195	3.75205563	109.9288		
79.5018197	1.058021348	0.0001907	0.335056	22.2022	0.49768	6.368733	3.89533115	106.0684		
89.0370759	0.834186637	0.0002049	0.616804	25.41564	0.82244	10.75281	3.07123595	124.4079		
87.0878113	0.860118268	0.0002012	0.559554	27.1023	0.7548	9.997996	3.16670878	123.1961		
85.6222459	0.889276727	0.0001975	0.515345	27.48885	0.70133	9.253663	3.27406186	121.1968		
83.7977539	0.920577403	0.000194	0.475556	27.36111	0.65242	8.563939	3.38930197	118.3823		
82.4414671	0.954335328	0.0001906	0.436735	26.26509	0.60214	7.899405	3.51358897	115.0858		
80.7131199	0.989573903	0.0001873	0.397645	24.97757	0.55333	7.315949	3.64332729	111.3041		
90.4704221	0.796099273	0.000194	0.674171	24.41778	0.90737	11.5132	2.9310092	125.8482		
88.6865633	0.81657185	0.0001917	0.619738	27.09003	0.84066	10.83306	3.00638335	125.8804		
87.0460494	0.840478276	0.0001901	0.568591	28.48062	0.77613	10.15364	3.09439996	124.7713		
85.2690654	0.866922959	0.0001906	0.517304	28.98832	0.71518	9.493078	3.19176169	122.6583		
83.7592755	0.896495459	0.0001893	0.481317	28.51733	0.66972	8.846051	3.30063916	119.8697		
82.1082955	0.929132771	0.0001912	0.448913	27.53206	0.62372	8.238181	3.42080038	116.4597		
92.25818	0.767215342	0.000201	0.73741	22.13403	0.97709	12.1418	2.82466685	126.1913		
90.5315771	0.783295474	0.0001982	0.6755	25.97472	0.91265	11.5502	2.88386928	127.5443		
88.5722568	0.8032685	0.0001998	0.622825	28.68222	0.84611	10.91386	2.95740423	127.4833		
86.8188729	0.825572763	0.0002	0.574822	30.04056	0.78542	10.29273	3.03952213	126.2987		
85.1550668	0.850653808	0.0002001	0.529721	30.34758	0.72748	9.680939	3.13186335	124.1598		
83.2185257	0.878831167	0.0002044	0.488347	30.09577	0.6785	9.103819	3.2356043	121.2284		
94.0635867	0.745055094	0.0002116	0.81556	18.81305	1.0513	12.44619	2.74307917	125.1919		
92.3229263	0.756832789	0.0002065	0.743737	23.78212	0.98044	11.98303	2.78644126	127.7829		
90.2596631	0.773169447	0.0002077	0.67623	27.837	0.91332	11.42983	2.84658815	129.0428		
88.1229317	0.792872446	0.0002112	0.624373	30.60121	0.84848	10.79095	2.91912894	128.8619		
86.4922682	0.813259514	0.0002094	0.57937	31.75069	0.79363	10.26804	2.99418828	127.7033		
84.5013443	0.838579083	0.0002132	0.539171	32.20052	0.7423	9.754817	3.08740767	125.4895		
96.3122646	0.726607722	0.0002261	0.932767	19.21674	1.15088	12.81371	2.67516124	128.478		
94.0920094	0.73742682	0.0002215	0.833677	20.47064	1.06128	12.26202	2.71499405	126.7423		
91.9984765	0.750244121	0.0002181	0.753153	25.81113	0.98439	11.74726	2.76218368	129.2827		
89.9062774	0.76591021	0.0002188	0.688203	29.90325	0.91614	11.20723	2.81986172	130.5674		
87.8341897	0.784641111	0.0002209	0.634594	32.52792	0.85301	10.72418	2.88882353	130.4699		
86.0438666	0.804708647	0.0002201	0.588913	33.66686	0.8005	10.2707	2.96270644	129.2131		
98.8033051	0.771913819	0.0002257	1.092228	24.09683	1.26124	13.26554	2.84196529	136.4493		
96.3576178	0.720437596	0.0002254	0.955813	21.61961	1.15111	12.63842	2.6524446	130.7908		
93.9993534	0.731427711	0.0002271	0.850501	22.3843	1.05744	12.08214	2.69290705	128.4125		
91.7705817	0.74432152	0.0002294	0.766966	27.97694	0.98004	11.57863	2.74037836	131.0773		
89.4739854	0.760554667	0.000235	0.69874	32.19777	0.91329	11.08283	2.80014415	132.3273		
87.5867992	0.777066842	0.0002357	0.645097	34.55909	0.8582	10.65947	2.86093724	132.225		
89.1468676	0.756265732	0.0002165	0.695371	34.6293	0.92813	10.8651	2.78435352	134.2369		
87.149582	0.772881417	0.0002208	0.645135	36.93053	0.87208	10.50556	2.84552771	134.0305		
85.2588045	0.790815737	0.0002249	0.60479	37.85449	0.82195	10.16067	2.91155673	132.5802		
91.3217696	0.736360212	0.0002075	0.756694	33.03307	1.00917	11.13511	2.71106711	135.2813		
89.1078762	0.75023962	0.0002004	0.699025	37.05526	0.94179	10.73953	2.76216711	136.5318		
87.2186379	0.764416058	0.0001922	0.650709	39.07396	0.88383	10.38972	2.81436069	136.1671		
97.9641681	0.8347987	0.0002564	0.871519	68.41196	1.12431	10.46553	3.07348938	176.5991		
95.2483111	0.829861699	0.0003307	0.783629	65.88235	1.04141	10.05067	3.05531276	170.7813		
92.7464966	0.825577264	0.0002445	0.718057	67.31054	0.97342	9.687414	3.0395387	169.2222		
90.4974083	0.817606955	0.0002299	0.666947	67.76049	0.91669	9.3735	3.01019431	167.0227		
101.645474	0.859848241	0.0002621	1.006388	69.13184	1.24353	10.87724	3.16571461	181.5989		

174	487258.74	3856936.11	9.60909	1.90173	13.81482	16.77891	139.3417	8.18242	5.99261	1.90173	98.5979844	0.855865337	0.0003505	0.869171	64.25748	1.132	10.3463	3.1510507	172.9081
175	487308.74	3856936.11	9.33614	1.89573	10.26991	15.00047	132.7668	7.5523	5.74238	1.89573	95.7972697	0.853165063	0.0002605	0.777045	61.22547	1.04482	9.914277	3.14110907	166.4712
176	487358.74	3856936.11	9.08979	1.88275	9.18559	13.72588	136.4506	7.04833	5.5346	1.88275	93.2694951	0.84732347	0.000233	0.71102	62.92423	0.9751	9.555543	3.119602	165.1633
177	487208.74	3856986.11	10.30062	1.96858	10.50669	24.35087	158.2185	10.25507	6.57349	1.96858	105.69371	0.885950889	0.0002665	1.261409	72.96251	1.41874	11.3492	3.26181708	190.31
178	487258.74	3856986.11	9.9658	1.97302	14.78032	19.51311	147.883	9.08148	6.24077	1.97302	102.258153	0.887949092	0.0003749	1.010806	68.19628	1.25638	10.77475	3.26917389	181.1155
179	487308.74	3856986.11	9.66712	1.95529	10.90566	16.76066	138.9495	8.24775	5.94708	1.95529	99.1934248	0.879969783	0.0002767	0.868226	64.07661	1.14104	10.26769	3.23979636	173.1874
180	487358.74	3856986.11	9.38726	1.95236	8.39015	14.88989	128.2887	7.58682	5.67359	1.95236	96.3218072	0.878651149	0.0002128	0.771317	59.1604	1.0496	9.795511	3.23494153	164.7426
181	487208.74	3857036.11	10.71404	2.02783	10.59948	36.10479	162.8021	12.21709	6.89248	2.02783	109.935774	0.912616095	0.0002689	1.870279	75.07627	1.69017	11.89994	3.35999072	198.0253
182	487258.74	3857036.11	10.36357	2.02659	15.52081	24.81934	153.5507	10.44076	6.50371	2.02659	106.339634	0.912058038	0.0003937	1.285676	70.80995	1.44443	11.22872	3.35793611	188.6629
183	487308.74	3857036.11	10.02427	2.02972	11.71928	19.67302	143.5508	9.20193	6.17859	2.02972	102.858108	0.913466681	0.0002973	1.01909	66.19848	1.27304	10.6674	3.36312233	179.5668
184	487358.74	3857036.11	9.71515	2.02183	8.8955	16.72146	133.8517	8.31138	5.88928	2.02183	99.6862562	0.909915821	0.0002257	0.866195	61.72575	1.14984	10.1679	3.35004908	171.156
185	487427.14	3856878.23	8.49598	1.79886	8.54786	11.656	150.5441	6.09134	5.18874	1.79886	87.1764655	0.80956914	0.0002168	0.603797	69.42345	0.84271	8.958412	2.98060138	164.834
186	487477.14	3856878.23	8.3098	1.78584	8.19584	10.98904	156.4252	5.78809	5.04289	1.78584	85.2660898	0.803709545	0.0002079	0.569248	72.13551	0.80075	8.706601	2.95902804	165.3231
187	487527.14	3856878.23	8.13876	1.76815	7.82183	10.40037	156.5233	5.511	4.90477	1.76815	83.5110641	0.795748237	0.0001984	0.538754	72.18076	0.76242	8.468135	2.92971678	163.3274
188	487427.14	3856928.23	8.73792	1.86253	9.08764	12.29441	136.0953	6.42389	5.27492	1.86253	89.6589895	0.838223547	0.0002305	0.636868	62.76039	0.88871	9.107203	3.08609869	160.8045
189	487477.14	3856928.23	8.54068	1.8424	8.88847	11.56216	142.0528	6.09015	5.12158	1.8424	87.6351281	0.829164128	0.0002255	0.598936	65.50772	0.84254	8.84246	3.05274451	161.2034
190	487527.14	3856928.23	8.35199	1.82863	8.64139	10.91565	146.8914	5.78652	4.97982	1.82863	85.6989975	0.822966999	0.0002192	0.565446	67.73902	0.80054	8.59771	3.02992846	161.195
191	487577.14	3856928.23	8.17639	1.81232	8.35909	10.34327	147.9895	5.51043	4.84818	1.81232	83.8971821	0.815626754	0.0002121	0.535796	68.2454	0.76234	8.370432	3.00290378	159.6241
192	487627.14	3856928.23	8.01896	1.78801	8.06604	9.83314	146.6576	5.46125	4.72175	1.78801	82.2818074	0.804686144	0.0002046	0.50937	67.63122	0.75554	8.152149	2.96262359	157.1724
193	487677.14	3856928.23	7.8602	1.77378	7.75525	9.34605	140.9038	5.58677	4.59187	1.77378	80.6527857	0.798281995	0.0001967	0.484138	64.97783	0.7729	7.92791	2.93904535	152.675
194	487727.14	3856928.23	7.70847	1.75933	7.43289	8.88714	132.9144	5.53936	4.46477	1.75933	79.0958982	0.791778835	0.0001886	0.460366	61.29353	0.76634	7.708471	2.91510258	147.2015
195	487777.14	3856928.23	7.57218	1.75759	7.09792	8.45633	123.9573	5.60668	4.34346	1.75759	77.6974391	0.790995755	0.0001801	0.43805	57.16295	0.77566	7.499028	2.91221951	141.4521
196	487427.14	3856978.23	9.00675	1.92054	8.78005	13.061	128.6926	6.82831	5.38222	1.92054	92.4174293	0.864330696	0.0002227	0.676578	59.34665	0.94466	9.292457	3.18221773	160.3601
197	487477.14	3856978.23	8.78407	1.90923	8.84682	12.17211	126.519	6.43096	5.20986	1.90923	90.1325304	0.859240679	0.0002244	0.630532	58.34429	0.88969	8.994876	3.16347774	156.6879
198	487527.14	3856978.23	8.57837	1.89523	8.83774	11.44212	133.1239	6.08747	5.05507	1.89523	88.0218617	0.85294004	0.0002242	0.592718	61.39015	0.84217	8.72763	3.1402806	157.2874
199	487577.14	3856978.23	8.38955	1.87689	8.7568	10.8202	136.965	5.78536	4.91446	1.87689	86.0843972	0.844686203	0.0002221	0.560501	63.16144	0.80038	8.484865	3.10989234	156.8266
200	487627.14	3856978.23	8.21876	1.85121	8.60643	10.28033	137.5435	5.6914	4.78572	1.85121	84.3319367	0.83312903	0.0002183	0.532535	63.42825	0.78738	8.262594	3.06734214	155.1087
201	487677.14	3856978.23	8.04908	1.83634	8.41799	9.77801	133.5365	5.83629	4.65929	1.83634	82.5908659	0.826436851	0.0002135	0.506515	61.58039	0.80742	8.044311	3.04270346	151.3134
202	487727.14	3856978.23	7.90922	1.80094	8.15848	9.33029	129.5716	5.70489	4.54527	1.80094	81.1557754	0.810505235	0.000207	0.483322	59.75197	0.78924	7.847455	2.98404781	147.8544
203	487777.14	3856978.23	7.7365	1.80343	7.93292	8.87681	118.5596	5.84583	4.41815	1.80343	79.3835115	0.811625848	0.0002012	0.459831	54.67379	0.80874	7.627981	2.98817359	140.7775
204	487427.14	3857028.23	9.29047	1.99341	8.25053	14.06113	119.2511	7.32582	5.49255	1.99341	95.328654	0.897125523	0.0002093	0.728386	54.99267	1.01349	9.482943	3.30295887	159.1405
205	487477.14	3857028.23	9.04677	1.9787	8.00885	12.91967	119.2386	6.84189	5.30279	1.9787	92.8280708	0.890505352	0.0002032	0.669257	54.98694	0.94654	9.155321	3.2785853	156.1983
206	487527.14	3857028.23	8.82476	1.95942	8.22844	12.04637	118.7248	6.43983	5.13613	1.95942	90.5500467	0.881828471	0.0002087	0.624019	54.74998	0.89092	8.867581	3.24663952	153.3179
207	487577.14	3857028.23	8.61707	1.94318	8.38197	11.33146	125.1753	6.0915	4.98497	1.94318	88.4189588	0.87451973	0.0002126	0.586985	57.72461	0.84273	8.606601	3.21973083	153.8349
208	487627.14	3857028.23	8.4326	1.91438	8.45373	10.74076	128.2378	5.93619	4.85176	1.91438	86.5261292	0.861558415	0.0002145	0.556386	59.13692	0.82124	8.376613	3.17201098	153.1071
209	487677.14	3857028.23	8.25173	1.89751	8.47391	10.2027	126.3047	6.0722	4.72353	1.89751	84.6702389	0.853966144	0.000215	0.528514	58.24545	0.84006	8.155222	3.14405842	150.1496
210	487727.14	3857028.23	8.07628	1.88601	8.44123	9.71167	120.7354	6.16587	4.60084	1.88601	82.8699626	0.848790619	0.0002141	0.503078	55.67719	0.85302	7.943397	3.12500362	145.5706
211	487777.14	3857028.23	7.9162	1.86662	8.34568	9.27031	117.8359	6.05701	4.4862	1.86662	81.2273965	0.840064234	0.0002117	0.480215	54.34007	0.83796	7.74547	3.09287557	142.3785
212	487427.14	3857078.23	9.60032	2.06271	8.90765	15.69946	124.4895	7.99231	5.70807	2.06271	98.5079962	0.928313688	0.000226	0.813254	57.40838	1.1057	9.855041	3.41778475	165.2011
213	487477.14	3857078.23	9.33229	2.04318	8.64916	14.08699	115.3182	7.38059	5.45806	2.04318	95.7577652	0.919524296	0.0002194	0.729726	53.17903	1.02107	9.423396	3.38542473	157.6453
214	487527.14	3857078.23	9.08483	2.02802	8.33864	12.82887	110.7004	6.87794	5.22684	2.02802	93.218601	0.912701604	0.0002115	0.664553	51.04952	0.95153	9.024192	3.36030553	152.461
215	487577.14	3857078.23	8.85897	2.00887	7.98134	11.93761	112.3526	6.46299	5.06316	2.00887	90.9010724	0.904083229	0.0002025	0.618385	51.81143	0.89412	8.741597	3.32857515	150.5423
216	487627.14	3857078.23	8.65323	1.98449	7.62716	11.23235	117.6917	6.28313	4.91816	1.98449	88.7899933	0.893111116	0.0001935	0.581851	54.27358	0.86924	8.491253	3.28817898	150.611
217	487677.14	3857078.23	8.45823	1.96628	7.84803	10.63254	117.9805	6.43214	4.7855	1.96628	86.7891163	0.884915784	0.0001991	0.55078	54.40674	0.88986	8.262214	3.25800612	148.5258
218	487727.14	3857078.23	8.27356	1.95032	8.01149	10.10727	114.373	6.49678	4.66465	1.95032	84.8942345	0.877733056	0.0002032	0.523571	52.74313	0.8988	8.053566	3.23156137	144.7597
219	487777.14	3857078.23	8.10621	1.92592	8.10521	9.64795	113.7777	6.25352	4.55078	1.92592	83.1770716	0.866751942	0.0002056	0.499777	52.46862	0.86514	7.856968	3.19113206	142.5434
220	487427.14	3857128.23	9.93152	2.13429	8.8259	18.14803	129.0215	8.90573	5.92177	2.13429	101.906409	0.960527956	0.0002239	0.940093	59.49831	1.23206	10.224	3.53638845	171.2252
221	487477.14	3857128.23	9.63459	2.10967	8.80903	15.88185	120.8667	8.08871	5.66642	2.10967	98.8596375	0.949447832	0.0002235	0.822702	55.7377	1.11903	9.783132	3.49559461	163.7763
222	487527.14	3857128.23	9.36418	2.08614	8.83722	14.28633	117.9853	7.44777	5.42642	2.08614	96.0849855	0.938858258	0.0002242	0.740052	54.40895	1.03036	9.368769	3.45660683	159.1156
223	487577.14	3857128.23	9.11399	2.06955	8.54485	12.89168	117.0144	6.92242	5.19563	2.06955	93.517809	0.931392	0.0002168	0.667807	53.96121	0.95768	8.970308	3.42911821	155.5773
224	487627.14	3857128.23	8.8838	2.05273	8.31909	11.85519	112.9918	6.48953	4.99953	2.05273	91.1558507	0.923822232	0.000211	0.614115	52.10619	0.89779	8.631739	3.4012485	150.9285
225	487677.14	3857128.23	8.67608	2.027	8.03431	11.14154	109.6311	6.63215	4.85734	2.027	89.024455	0.912242557	0.0002038	0.577147	50.5564	0.91753	8.386247	3.35861546	147.0156
226	487727.14	3857128.23	8.47319	2.01743	7.73545	10.52676	107.6322	6.78201	4.72416	2.01743	86.9426195	0.90793562	0.0001962	0.545301	49.63463	0.93826	8.15631	3.34275855	143.7825
227	487777.14	3857128.23	8.29298	1.9923	7.39127	10.02846	105.0299	6.71582	4.60781	1.9923	85.0935013	0.896625973	0.0001875	0.519488	48.43458	0.9291	7.955431	3.30111967	140.5278
228	488049.44	3856539.39	6.13041	2.14174	8.47437	4.33784	119.1444	2.94485	2.85918	2.14174	62.9035704	0.963880796	0.000215	0.224706	54.94348	0.40741	4.936403	3.54873264	120.8309
229	488099.44	3856539.39	6.07141	2.10013	8.6216	4.27127	105.0349	2.89891	2.8113	2.10013	62.2981769	0.945154396	0.0002187	0.221258	48.43686	0.40105	4.853738	3.47978741	113.6767
230	488149.44	3856539.39	6.00335	2.04439	8.23315	4.41817	93.74252	2.86	2.77489	2.04439	61.5998195	0.920068851	0.0002089	0.228867	43.2294	0.39567	4.790876	3.38742963	107.7775
231	488049.44	3856589.39	6.20599	2.14765	8.31471	4.59896	119.0247	3.00481	2.94053	2.14765	63.6790898	0.966540566	0.0002109	0.238233	54.88827	0.4157	5.076855	3.55852515	121.7064
232	488099.44	3856589.39	6.1414	2.11537	8.79257	4.40688	103.4581	2.95902	2.87835	2.11537	63.0163378	0.952013092	0.000223	0.228283	47.70973	0.40937	4.9695	3.50503916	113.7804

233	488149.44	3856589.39	6.07583	2.07278	8.71344	4.54851	95.7245	2.9164	2.82685	2.07278	62.3435301	0.932845647	0.000221	0.235619	44.14339	0.40347	4.880585	3.43447013	109.5052
234	488199.44	3856589.39	6.01928	2.02801	8.05871	4.63485	90.73755	2.87202	2.7842	2.02801	61.7632758	0.912697103	0.0002044	0.240092	41.84365	0.39733	4.80695	3.36028897	106.6039
235	488249.44	3856589.39	5.93268	2.00536	7.00087	4.84608	84.75637	2.92957	2.75315	2.00536	60.8746812	0.902503569	0.0001776	0.251034	39.08543	0.40529	4.753341	3.3227593	102.9497
236	488049.44	3856639.39	6.29123	2.14512	7.95625	4.86375	115.2099	3.10679	3.02915	2.14512	64.5537296	0.965401951	0.0002018	0.251949	53.12906	0.42981	5.229858	3.5543331	121.0057
237	488099.44	3856639.39	6.22297	2.1225	8.74311	4.65273	102.7424	3.04974	2.95532	2.1225	63.85332	0.955221918	0.0002218	0.241018	47.37968	0.42192	5.10239	3.51685314	114.4369
238	488149.44	3856639.39	6.15616	2.09137	9.00277	4.66572	96.33375	3.00864	2.89118	2.09137	63.1677888	0.941211996	0.0002284	0.241691	44.42434	0.41623	4.991652	3.46527262	110.7179
239	488199.44	3856639.39	6.0812	2.04716	8.67737	4.82396	91.51876	3.01815	2.83492	2.04716	62.3986311	0.921315478	0.0002201	0.249888	42.20391	0.41755	4.894518	3.39201935	107.694
240	488249.44	3856639.39	6.01268	1.99724	7.80015	4.95619	92.17483	3.0622	2.7906	1.99724	61.6955538	0.898849198	0.0001979	0.256738	42.50646	0.42364	4.817999	3.30930495	107.2901
241	488299.44	3856639.39	5.94494	1.95429	6.53208	5.1109	91.11148	3.23237	2.75399	1.95429	61.0004799	0.879519737	0.0001657	0.264752	42.01609	0.44718	4.754792	3.23813942	106.1248
242	488349.44	3856639.39	5.88652	2.0061	5.954	5.26173	89.12687	3.58529	2.72554	2.0061	60.4010377	0.902836603	0.000151	0.272565	41.10089	0.49601	4.705672	3.32398543	104.5552
243	488399.44	3856639.39	5.8106	2.0579	5.78332	5.53368	85.69328	4.26256	2.70228	2.0579	59.6220296	0.926148968	0.0001467	0.286652	39.51749	0.5897	4.665514	3.40981487	102.1979
244	488099.44	3856689.39	6.30452	2.11264	8.49003	4.9357	101.5287	3.18336	3.04661	2.11264	64.690097	0.950784468	0.0002154	0.255676	46.82001	0.4404	5.260003	3.50051572	114.9167
245	488149.44	3856689.39	6.23642	2.09172	9.08737	4.80208	100.7401	3.14139	2.97062	2.09172	63.9913292	0.941369512	0.0002305	0.248754	46.45633	0.4346	5.128806	3.46585255	113.7356
246	488199.44	3856689.39	6.16036	2.05503	9.10254	4.96527	99.40705	3.1613	2.90379	2.05503	63.2108846	0.924857337	0.0002309	0.257208	45.8416	0.43735	5.013423	3.40505946	112.2805
247	488249.44	3856689.39	6.09771	2.02039	8.50093	5.06451	97.2214	3.22101	2.84633	2.02039	62.5680387	0.909267755	0.0002157	0.262349	44.83368	0.44561	4.914218	3.34766309	110.5857
248	488299.44	3856689.39	6.01796	1.96101	7.40725	5.26269	93.01432	3.53222	2.79672	1.96101	61.7497314	0.882544044	0.0001879	0.272615	42.89359	0.48867	4.828565	3.24927405	107.8666
249	488349.44	3856689.39	5.95652	1.9099	6.54718	5.41551	89.1819	4.03606	2.75633	1.9099	61.1193012	0.85954221	0.0001661	0.280531	41.12627	0.55837	4.758832	3.16458789	105.5384
250	488399.44	3856689.39	5.91028	1.95443	6.39361	5.53492	85.79843	4.62266	2.72398	1.95443	60.6448368	0.879582743	0.0001622	0.286717	39.56598	0.63952	4.702979	3.23837139	103.4814
251	488099.44	3856739.39	6.39008	2.08613	8.04254	5.25033	107.3572	3.33857	3.14408	2.08613	65.5680203	0.938853757	0.000204	0.271974	49.5078	0.46187	5.428286	3.45659026	118.7204
252	488149.44	3856739.39	6.32489	2.07875	8.94866	4.99077	105.9418	3.27856	3.0628	2.07875	64.8991117	0.93553242	0.000227	0.258529	48.85509	0.45357	5.287955	3.44436205	117.2457
253	488199.44	3856739.39	6.2393	2.04592	9.3226	5.13308	101.0083	3.34653	2.97875	2.04592	64.0208806	0.920757421	0.0002365	0.265901	46.58001	0.46298	5.142842	3.38996474	114.0036
254	488249.44	3856739.39	6.17405	2.01875	9.06224	5.23803	96.61201	3.47873	2.91118	2.01875	63.3513564	0.90852968	0.0002299	0.271337	44.55266	0.48127	5.026182	3.34494571	111.2466
255	488299.44	3856739.39	6.12351	1.99896	8.19429	5.28557	92.70219	3.78124	2.85676	1.99896	62.8327701	0.899623277	0.0002079	0.2738	42.74965	0.52312	4.932225	3.31215489	108.8992
256	488349.44	3856739.39	6.03453	1.93473	6.90896	5.55648	86.97646	4.56246	2.79649	1.93473	61.9197546	0.870716844	0.0001753	0.287833	40.10923	0.63119	4.828168	3.20572969	105.4413
257	488399.44	3856739.39	5.95078	1.87645	7.80099	5.84785	82.12045	5.44482	2.74243	1.87645	61.0604036	0.844488183	0.0001979	0.302927	37.86988	0.75326	4.734833	3.10916328	102.4568
258	487999.44	3856789.39	6.68337	2.05631	7.90885	6.0512	119.5656	3.67936	3.47882	2.05631	68.5774419	0.925433395	0.0002006	0.313461	55.13774	0.50902	6.006218	3.40718034	128.0623
259	488049.44	3856789.39	6.59326	2.06444	7.693	5.75982	115.9771	3.44015	3.36527	2.06444	67.6528315	0.929092267	0.0001952	0.298367	53.4829	0.47593	5.810173	3.42065125	125.2288
260	488099.44	3856789.39	6.49577	2.06113	7.61125	5.53787	110.4803	3.45676	3.25205	2.06113	66.6524956	0.927602616	0.0001931	0.286869	50.94803	0.47823	5.614697	3.41516679	121.493
261	488149.44	3856789.39	6.41912	2.05691	8.59795	5.27815	105.161	3.43123	3.15688	2.05691	65.865997	0.925703423	0.0002181	0.273416	48.49505	0.47469	5.450385	3.4081745	118.0773
262	488199.44	3856789.39	6.33625	2.04156	9.31721	5.25137	98.77118	3.52178	3.06544	2.04156	65.0156756	0.918795222	0.0002364	0.272028	45.54837	0.48722	5.292513	3.38274049	114.1521
263	488249.44	3856789.39	6.26419	2.02239	9.4279	5.37722	93.48226	3.77498	2.98636	2.02239	64.2762746	0.910167847	0.0002392	0.278548	43.10938	0.52225	5.155981	3.35097697	110.9019
264	488299.44	3856789.39	6.20387	2.00036	8.88756	5.45445	89.4353	4.26981	2.91978	2.00036	63.6573367	0.900253341	0.0002255	0.282548	41.24312	0.59071	5.04103	3.3144746	108.4007
265	488349.44	3856789.39	6.11238	1.9591	7.79117	5.72741	84.21039	5.20669	2.84424	1.9591	62.7185662	0.881684457	0.0001976	0.296688	38.83365	0.72032	4.910609	3.2461093	105.1156
266	488399.44	3856789.39	6.03374	1.91579	10.51316	5.97909	80.44605	6.00274	2.78221	1.91579	61.9116485	0.862192979	0.0002667	0.309725	37.09772	0.83045	4.803514	3.17434726	102.6412
267	487949.44	3856839.39	6.90424	1.98551	8.35317	6.66913	132.8766	4.45147	3.72532	1.98551	70.8437685	0.893570163	0.0002119	0.34547	61.27609	0.61584	6.431803	3.28986906	137.1169
268	487999.44	3856839.39	6.80367	2.00656	8.25872	6.40831	121.5963	3.90653	3.60083	2.00656	69.811829	0.903043624	0.0002095	0.331959	56.07417	0.54045	6.216869	3.32474762	130.5538
269	488049.44	3856839.39	6.70898	2.02185	8.18264	6.10183	115.6149	3.56818	3.48407	2.02185	68.8402237	0.909924822	0.0002076	0.316083	53.31585	0.49364	6.015282	3.35008222	126.5411
270	488099.44	3856839.39	6.61283	2.02979	8.00847	5.8303	107.7619	3.56257	3.36904	2.02979	67.8536374	0.913498184	0.0002032	0.302018	49.69443	0.49286	5.816682	3.36323832	121.7101
271	488149.44	3856839.39	6.52094	2.03258	8.05642	5.58612	100.5781	3.60447	3.26164	2.03258	66.9107626	0.914753812	0.0002044	0.289369	46.38161	0.49866	5.631255	3.36786118	117.2588
272	488199.44	3856839.39	6.43413	2.0282	9.08612	5.39433	95.95027	3.78474	3.16149	2.0282	66.0200133	0.912782612	0.0002305	0.279434	44.2475	0.5236	5.458345	3.36060378	114.0813
273	487949.44	3856889.39	7.04327	1.92575	8.00629	6.97105	127.1678	4.65117	3.84436	1.92575	72.2703425	0.866675434	0.0002031	0.36111	58.64347	0.64347	6.637327	3.19085038	136.2317
274	487999.44	3856889.39	6.92608	1.95243	8.61238	6.80429	116.2753	4.16436	3.71752	1.95243	71.0678667	0.878682652	0.0002185	0.352472	53.62041	0.57612	6.418336	3.23505751	129.679
275	488049.44	3856889.39	6.83503	1.97494	8.07597	6.4503	110.3478	3.68342	3.60421	1.97494	70.1336111	0.88881318	0.0002049	0.334135	50.88691	0.50958	6.222705	3.27235521	125.7036
276	488099.44	3856889.39	6.72862	1.99169	8.02993	6.18245	104.0281	3.7343	3.48466	1.99169	69.0417479	0.896351445	0.0002037	0.32026	47.97258	0.51662	6.016301	3.30010894	121.464
277	488635.86	3857895.05	7.51982	2.68279	17.33066	11.52759	96.09271	9.61923	3.93585	2.68279	77.160178	1.207378002	0.0004396	0.597145	44.31319	1.33077	6.795285	4.44521952	126.9592
278	489137.64	3857804.15	6.12612	2.1746	13.15064	16.86387	56.4864	7.19128	3.15139	2.1746	62.8595511	0.978669297	0.0003336	0.873572	26.04872	0.99488	5.440907	3.60317966	93.59346
279	488617.32	3857859.41	7.45448	2.57333	16.32543	11.17648	101.8256	9.54698	3.9074	2.57333	76.4897303	1.158116004	0.0004141	0.578957	46.9569	1.32078	6.746166	4.26385097	128.9872
280	488667.32	3857859.41	7.29659	2.53672	15.92141	11.3784	101.1964	9.24138	3.79881	2.53672	74.8696356	1.141639832	0.0004039	0.589417	46.66676	1.2785	6.558684	4.20319043	126.9019
281	488717.32	3857859.41	7.14871	2.49161	15.89533	11.60264	99.72202	8.97151	3.68955	2.49161	73.3522526	1.121338272	0.0004032	0.601033	45.98685	1.24116	6.370045	4.12844591	124.5446
282	488767.32	3857859.41	7.00322	2.40208	15.75103	11.974	97.08659	8.74568	3.5758	2.40208	71.8593932	1.081045684	0.0003996	0.62027	44.77152	1.20992	6.173655	3.98010016	121.7361
283	488617.32	3857909.41	7.63569	2.77526	18.04813	11.89161	92.63323	9.81014	4.00252	2.77526	78.3491094	1.248993724	0.0004578	0.616002	42.71785	1.35718	6.910391	4.59843667	126.6015
284	488667.32	3857909.41	7.45959	2.67866	17.58952	11.81119	93.89675	9.49712	3.89466	2.67866	76.5421635	1.205519313	0.0004462	0.611836	43.30052	1.31388	6.72417	4.43837636	125.2602
285	488717.32	3857909.41	7.30933	2.65654	17.05731	11.94895	94.80403	9.2131	3.7917	2.65654	75.0003596	1.195564303	0.0004327	0.618972	43.71891	1.27459	6.546408	4.40172487	123.9535
286	488767.32	3857909.41	7.15721	2.59019	16.58405	12.26724	94.10118	8.96503	3.68427	2.59019	73.4394703	1.165703774	0.0004207	0.63546	43.39479	1.24027	6.36093	4.29178696	121.9453
287	488417.32	3857959.41	9.26605	3.3491	20.6109	17.06212	136.6533	11.78199	4.60035	3.3491	95.0780826	1.507247927	0.0005229	0.883842	63.01773	1.62998	7.942551	5.54925458	164.5107
288	488467.32	3857959.41	8.76426	3.25486	19.51233	15.76372	112.1112	11.25914	4.45221	3.25486	89.9292618	1.464835624	0.000495	0.816583	51.70013	1.55765	7.686786	5.39310464	147.7626
289	488517.32	3857959.41	8.3034	3.14395	18.43261	14.73818	88.03283	10.78753	4.32324	3.14395	85.20042	1.414921059	0.0004676	0.763458	40.59637	1.4924	7.464118	5.20933353	131.7228
290	488567.32	3857959.41	8.00734	3.06345	17.79199	13.82585	74.48202	10.35626	4.2048	3.06345	82.1625757	1.378692384	0.0004513	0.716198	34.34741	1.43274	7.25963	5.07594994	122.2217
291	488617.32	3857959.41	7.81236	2.99042	17.64429	12.89287	79.83171	9.99151	4.09541	2.99042	80.1619039	1.345825549	0.0004476	0.667869	36.81442	1.38228	7.070767	4.95494368	122.4886

292	488667.32	3857959.41	7.63215	2.92461	17.43958	12.16932	83.84635	9.66952	3.98967	2.92461	78.3127858	1.316208044	0.0004424	0.630388	38.66577	1.33773	6.888206	4.84590052	122.3056
293	488717.32	3857959.41	7.4621	2.8492	17.19831	12.36677	86.44968	9.36072	3.88837	2.8492	76.5679184	1.2822701	0.0004363	0.640616	39.8663	1.29501	6.71331	4.72095074	121.6449
294	488767.32	3857959.41	7.30656	2.78843	16.91378	12.60535	88.01772	9.08133	3.78531	2.78843	74.9719369	1.254920826	0.0004291	0.652975	40.5894	1.25636	6.535376	4.62025856	120.6411
295	488417.32	3858009.41	9.98329	3.65131	21.11369	19.06807	143.6324	12.04932	4.88067	3.65131	102.437616	1.643256226	0.0005356	0.987753	66.23615	1.66696	8.426526	6.04999813	175.3488
296	488467.32	3858009.41	9.40033	3.54135	20.355	17.34604	121.4068	11.4373	4.63324	3.54135	96.4559173	1.593769205	0.0005164	0.898549	55.98678	1.58229	7.999336	5.86780111	158.6494
297	488517.32	3858009.41	8.88791	3.42529	19.632	16.06794	98.59033	10.91677	4.43777	3.42529	91.1980231	1.541536906	0.000498	0.832342	45.46497	1.51028	7.661855	5.67549676	142.534
298	488567.32	3858009.41	8.41794	3.32137	18.93955	15.048	76.72212	10.45936	4.31043	3.32137	86.3757043	1.494768161	0.0004805	0.779507	35.38043	1.447	7.442001	5.50330766	127.4166
299	488617.32	3858009.41	8.0138	3.23201	18.26791	14.01493	64.44545	10.08175	4.19484	3.23201	82.2288611	1.45455208	0.0004634	0.725993	29.71904	1.39476	7.242434	5.35524358	117.4109
300	488667.32	3858009.41	7.79657	3.15347	17.61222	12.99171	70.57687	9.73134	4.08528	3.15347	79.9998842	1.419205494	0.0004468	0.672989	32.54655	1.34628	7.053277	5.22510759	117.8135
301	488717.32	3858009.41	7.6175	3.08335	16.9822	12.76577	75.39189	9.41505	3.98292	3.08335	78.1624635	1.387648292	0.0004308	0.661285	34.767	1.30253	6.876552	5.10892302	118.049
302	488767.32	3858009.41	7.49829	3.01135	16.37403	12.96502	78.99069	9.12697	3.88251	3.01135	76.9392607	1.355245005	0.0004154	0.671606	36.42659	1.26267	6.703193	4.98962341	118.3694
303	488417.32	3858059.41	10.91326	3.9542	19.82944	22.03466	148.4377	13.01257	5.23867	3.9542	111.979952	1.779570557	0.000503	1.141426	68.45209	1.80023	9.044617	6.5518684	187.6465
304	488467.32	3858059.41	10.1263	3.85113	19.25058	19.5087	128.8917	12.1821	4.95705	3.85113	103.905028	1.733184351	0.0004883	1.010578	59.43844	1.68533	8.558397	6.38108769	169.9504
305	488517.32	3858059.41	9.53224	3.74125	18.74414	17.74611	107.9152	11.4908	4.71102	3.74125	97.8094336	1.683733333	0.0004755	0.919273	49.76514	1.5897	8.133624	6.19902323	153.7024
306	488567.32	3858059.41	9.01178	3.62246	18.27185	16.47263	86.85944	10.8898	4.49944	3.62246	92.4690417	1.630272409	0.0004635	0.853305	40.05526	1.50655	7.768329	6.00219544	138.281
307	488617.32	3858059.41	8.5372	3.5226	17.83834	15.33992	68.94558	10.37241	4.30841	3.5226	87.5994202	1.585330849	0.0004525	0.794629	31.79428	1.43497	7.438514	5.8367335	124.8109
308	488667.32	3858059.41	8.1287	3.41861	17.44165	14.18537	58.83551	9.93029	4.18165	3.41861	83.4078394	1.538530601	0.0004425	0.734822	27.13202	1.37381	7.219661	5.66442841	115.7427
309	488417.32	3858109.41	11.93258	4.1881	18.62947	26.75761	151.9093	15.51912	5.67394	4.1881	122.439101	1.884836237	0.0004726	1.386082	70.05302	2.14699	9.796115	6.93942644	200.7672
310	488467.32	3858109.41	11.07519	4.13001	17.89185	22.62023	135.013	13.313	5.32883	4.13001	113.641501	1.858693085	0.0004539	1.171759	62.26128	1.84179	9.200279	6.84317485	183.1326
311	488517.32	3858109.41	10.28077	4.0434	17.23508	20.00939	115.9411	12.45896	5.03553	4.0434	105.490031	1.81971463	0.0004372	1.036514	53.46629	1.72364	8.693894	6.69966736	165.5308
312	488567.32	3858109.41	9.67073	3.94317	16.76867	18.22296	96.16139	11.79366	4.76113	3.94317	99.2304667	1.774606553	0.0004254	0.943975	44.34486	1.6316	8.220139	6.53359236	149.6125
313	488617.32	3858109.41	9.13893	3.81975	16.32564	16.84962	76.74357	11.20228	4.51851	3.81975	93.7737161	1.719061918	0.0004141	0.872834	35.39032	1.54978	7.801253	6.32909294	134.7783
314	488667.32	3858109.41	8.66674	3.71772	15.97185	15.55931	64.54441	10.73888	4.32714	3.71772	88.9286181	1.673143759	0.0004052	0.805994	29.76468	1.48567	7.470851	6.16003545	123.9693
315	488769.93	3858449.27	13.43458	5.20457	14.0419	32.86981	80.9132	17.14747	6.15591	5.20457	137.850984	2.342294152	0.0003562	1.702702	37.31315	2.37227	10.62824	8.62365528	183.5863
316	488819.93	3858449.27	12.63366	4.91573	14.52916	26.9583	67.83482	15.73934	5.70306	4.91573	129.632818	2.212302963	0.0003686	1.396478	31.28205	2.17746	9.846391	8.145065	168.4028
317	488819.93	3858499.27	13.07392	5.54754	15.1413	34.1314	74.11376	17.57926	6.23094	5.54754	134.150285	2.496646312	0.0003841	1.768054	34.17759	2.432	10.75778	9.19193566	176.5908
318	488869.93	3858499.27	12.47203	5.27946	14.35793	27.85642	64.23584	15.93807	5.7725	5.27946	127.974347	2.375998071	0.0003642	1.443001	29.62238	2.20495	9.96628	8.74774344	164.8396
319	488869.93	3858549.27	12.91691	5.79572	14.73536	35.47731	67.96573	18.01109	6.30747	5.79572	132.53922	2.608338645	0.0003738	1.837774	31.34242	2.49175	10.88991	9.6031548	172.1066
320	489438.17	3859571.48	10.11946	7.23823	34.73532	12.81962	53.61097	9.24335	7.67051	7.23823	103.834844	3.257534013	0.0008812	0.664074	24.72272	1.27877	13.24321	11.9933059	135.0087
321	489488.17	3859571.48	10.06039	7.68418	31.35186	12.21818	48.83886	8.26994	7.7627	7.68418	103.228732	3.458231876	0.0007953	0.632919	22.52206	1.14411	13.40238	12.7322179	131.657
322	489538.17	3859571.48	10.01502	8.18586	49.10353	11.58047	43.72215	8.08681	8.27421	8.18586	102.763195	3.684010784	0.0012457	0.599885	20.16249	1.11877	14.28551	13.5634711	129.0516
323	489588.17	3859571.48	9.98317	8.7423	42.59856	11.88472	39.32542	8.50872	8.83888	8.7423	102.436385	3.934434192	0.0010806	0.615645	18.13493	1.17714	15.26042	14.4854583	127.0746
324	489438.17	3859621.48	9.94079	6.28713	31.33588	12.40059	55.0578	10.42995	7.28612	6.28713	102.001527	2.829495584	0.0007949	0.642368	25.38992	1.44293	12.57956	10.4173912	134.4692
325	489488.17	3859621.48	9.87645	6.65021	37.4779	11.8177	50.75019	9.55066	7.29906	6.65021	101.341341	2.992898163	0.0009507	0.612173	23.40347	1.32129	12.6019	11.0189926	131.255
326	489538.17	3859621.48	9.82551	7.05383	37.14175	11.29767	46.02851	8.6763	7.24521	7.05383	100.81865	3.174545593	0.0009422	0.585235	21.22606	1.20032	12.50893	11.6877664	127.8269
327	489588.17	3859621.48	9.79326	7.50361	43.4885	10.95908	41.1463	7.8857	7.58765	7.50361	100.487736	3.376967131	0.0011032	0.567696	18.97463	1.09095	13.10015	12.4330244	125.1662
328	489238.17	3859671.48	11.34788	4.46501	26.78525	31.02798	61.72523	12.26571	5.83352	4.46501	116.439548	2.009458382	0.0006795	1.607293	28.46461	1.6969	10.07163	7.39824943	152.8919
329	489288.17	3859671.48	10.82546	4.65821	27.17241	18.91123	61.87015	12.15435	6.20313	4.65821	111.079045	2.096407204	0.0006893	0.979628	28.53144	1.68149	10.70977	7.71837006	147.3601
330	489338.17	3859671.48	10.34611	4.87222	24.35478	14.50004	60.98732	11.89508	6.52669	4.87222	106.160478	2.192721476	0.0006178	0.751122	28.12432	1.64563	11.2684	8.07297158	142.0703
331	489388.17	3859671.48	10.03353	5.10769	27.21026	12.99246	59.18122	11.66346	6.78371	5.10769	102.953124	2.298693728	0.0006903	0.673028	27.29144	1.61358	11.71214	8.46313102	138.0796
332	489438.17	3859671.48	9.84524	5.35674	27.70729	12.04955	56.15674	11.06603	6.92739	5.35674	101.021098	2.4107776	0.0007029	0.624184	25.8967	1.53093	11.96021	8.87579169	134.5688
333	489488.17	3859671.48	9.74265	5.63553	31.27639	11.51359	52.60853	10.63966	7.0107	5.63553	99.9684312	2.53624583	0.0007934	0.59642	24.26044	1.47194	12.10404	9.33772973	131.6006
334	489538.17	3859671.48	9.6745	5.94784	36.54102	11.06784	48.35125	9.99979	7.00266	5.94784	99.2691503	2.676799591	0.000927	0.57333	22.2972	1.38342	12.09016	9.85520837	128.4358
335	489588.17	3859671.48	9.6297	6.28945	37.15281	10.56569	43.73617	9.29895	6.94056	6.28945	98.8094617	2.830539689	0.0009425	0.547317	20.16895	1.28646	11.98295	10.4212353	125.2054
336	489238.17	3859721.48	11.74881	4.11322	22.98627	30.93441	59.72431	11.09693	5.39299	4.11322	120.553454	1.851136818	0.0005831	1.602446	27.54189	1.53521	9.311052	6.81535484	155.5804
337	489288.17	3859721.48	11.25405	4.29994	24.22269	19.00004	60.79646	11.68933	5.77138	4.29994	115.476767	1.935169344	0.0006145	0.984229	28.03631	1.61716	9.964346	7.1247385	150.8899
338	489338.17	3859721.48	10.73262	4.47321	22.39332	14.46288	60.58993	11.8419	6.10845	4.47321	110.126422	2.013148756	0.0005681	0.749197	27.94107	1.63827	10.5463	7.41183633	145.6031
339	489388.17	3859721.48	10.28321	4.65525	20.99629	12.72978	59.28488	11.78979	6.38525	4.65525	105.515067	2.095075068	0.0005326	0.65942	27.33924	1.63106	11.0242	7.71346552	140.5511
340	489438.17	3859721.48	9.94365	4.83915	25.7627	11.76568	56.94515	11.43077	6.57939	4.83915	102.030874	2.177838466	0.0006535	0.609479	26.26028	1.58139	11.35938	8.01817661	136.0017
341	489488.17	3859721.48	9.72837	5.08502	31.05507	11.21909	54.03503	11.17858	6.71459	5.08502	99.8219054	2.288491193	0.0007878	0.581165	24.91827	1.5465	11.59281	8.42556821	132.3244
342	489538.17	3859721.48	9.59024	5.31862	31.87003	10.81071	50.31579	10.85693	6.75781	5.31862	98.4045663	2.393621859	0.0008085	0.56001	23.20314	1.502	11.66743	8.81262918	128.919
343	489588.17	3859721.48	9.50524	5.55403	33.75251	10.39677	46.07265	10.48913	6.72702	5.55403	97.5323891	2.499567109	0.0008562	0.538567	21.24642	1.45112	11.61427	9.2026892	125.6805
344	489238.17	3859771.48	11.94234	4.03457	21.69713	31.02265	57.49979	9.75817	5.00172	4.03457	122.539247	1.815740727	0.0005504	1.607017	26.51605	1.35	8.63552	6.68503659	155.7791
345	489288.17	3859771.48	11.52611	4.19552	18.14054	18.94538	59.17643	10.51535	5.35902	4.19552	118.268349	1.888175576	0.0004602	0.981397	27.28923	1.45475	9.252402	6.95172093	152.183
346	489338.17	3859771.48	11.03565	4.3275	20.7691	14.40326	59.53159	10.89688	5.68894	4.3275	113.235785	1.947572603	0.0005269	0.746109	27.45301	1.50753	9.822013	7.17040374	147.5421
347	489388.17	3859771.48	10.57993	4.48355	22.862	12.49618	58.96982	11.22277	5.99102	4.48355	108.559684	2.017802228	0.00058	0.64732	27.19395	1.55262	10.34356	7.42896908	142.8865
348	489438.17	3859771.48	10.17509	4.6258	25.72359	11.50222	57.26369	11.19079	6.22231	4.6258	104.405658	2.081821224	0.0006526	0.595831	26.40717	1.54819	10.74288	7.66466866	138.1175
349	489488.17	3859771.48	9.86559	4.82789	29.27505	10.95235	55.08836	11.50704	6.41147	4.82789	101.229907	2.172770952	0.0007426	0.567347	25.40402	1.59194	11.06947	7.99951948	134.0367
350	489538.17	3859771.48	9.63595	5.0022	28.43035	10.55991	52.00968	11.60043	6.50863	5.0022	98.8735924	2.251218411	0.0007212	0.547018	23.98428	1.60486	11.23722	8.28834052	130.2106

351	489588.17	3859771.48	9.46815	5.16844	32.87449	10.19208	48.09611	11.20218	6.51439	5.16844	97.1518121	2.326034002	0.000834	0.527964	22.17954	1.54977	11.24716	8.56379007	126.4193
352	489238.17	3859821.48	11.32016	3.89563	15.14699	30.89405	54.96354	9.32665	4.64832	3.89563	116.155116	1.753211383	0.0003842	1.600355	25.34646	1.2903	8.025372	6.45482148	147.7164
353	489288.17	3859821.48	11.32518	4.03175	21.11066	18.86106	57.20098	9.43991	4.98091	4.03175	116.206625	1.814471598	0.0005355	0.977029	26.37825	1.30597	8.599592	6.68036402	148.6021
354	489338.17	3859821.48	11.0971	4.14342	22.21961	14.37814	58.21841	9.70507	5.30262	4.14342	113.866317	1.864728197	0.0005637	0.744808	26.84744	1.34265	9.155027	6.8653944	146.9561
355	489388.17	3859821.48	10.75344	4.26537	22.1352	12.29358	58.28384	10.22988	5.60985	4.26537	110.340054	1.919611266	0.0005615	0.636825	26.87761	1.41525	9.685463	7.06745812	143.8079
356	489438.17	3859821.48	10.39729	4.41002	26.07273	11.3315	57.56086	10.87488	5.88933	4.41002	106.685632	1.984710371	0.0006614	0.586988	26.54421	1.50449	10.16799	7.30713435	140.1675
357	489488.17	3859821.48	10.06388	4.54497	27.74971	10.71664	55.865	11.36618	6.10413	4.54497	103.264543	2.045444033	0.000704	0.555137	25.76216	1.57246	10.53884	7.53073828	136.2086
358	489538.17	3859821.48	9.77872	4.67134	28.57571	10.30923	53.34141	12.08391	6.2431	4.67134	100.338542	2.102316303	0.0007249	0.534033	24.59841	1.67175	10.77878	7.74012567	132.2844
359	489588.17	3859821.48	9.54222	4.80337	33.0755	9.9785	49.91051	11.96993	6.29779	4.80337	97.9118375	2.161735832	0.0008391	0.5169	23.01625	1.65598	10.8732	7.95889133	128.1779
360	489238.17	3859871.48	10.45241	3.73791	20.48822	30.84574	52.34348	8.74849	4.33995	3.73791	107.251213	1.682230181	0.0005197	1.597852	24.13821	1.21031	7.492968	6.19348905	137.1798
361	489288.17	3859871.48	10.59367	3.83659	21.13818	18.73972	54.8948	9.05141	4.63614	3.83659	108.700669	1.726640687	0.0005362	0.970744	25.31476	1.25222	8.004343	6.35699579	139.6129
362	489338.17	3859871.48	10.6603	3.93848	19.04252	14.34085	56.56063	9.13347	4.94426	3.93848	109.384353	1.772495839	0.0004831	0.742876	26.08295	1.26357	8.536315	6.52582131	141.2572
363	489388.17	3859871.48	10.59696	4.05562	24.44696	12.12909	57.41636	9.12753	5.25773	4.05562	108.734427	1.825214188	0.0006202	0.628304	26.47758	1.26275	9.077524	6.71991515	141.2865
364	489438.17	3859871.48	10.42307	4.17211	25.42343	11.13008	57.5252	10.05675	5.55562	4.17211	106.950158	1.877640007	0.0006449	0.576554	26.52777	1.3913	9.591834	6.91293198	140.003
365	489488.17	3859871.48	10.1927	4.25708	29.23076	10.46418	56.74427	11.47115	5.79918	4.25708	104.586353	1.915880387	0.0007415	0.542059	26.16764	1.58698	10.01234	7.0537221	137.7583
366	489538.17	3859871.48	9.91909	4.36636	32.49545	10.05707	54.43914	11.8905	5.96619	4.36636	101.778866	1.965061377	0.0008243	0.52097	25.10463	1.64499	10.30069	7.2347924	134.0812
367	489588.17	3859871.48	9.66985	4.47136	29.67758	9.73559	51.56991	12.2091	6.06593	4.47136	99.2214371	2.012316172	0.0007529	0.504317	23.78148	1.68907	10.47289	7.408771	130.2735
368	489238.17	3859921.48	9.64326	3.58338	20.18308	30.70895	49.70366	8.06661	4.07253	3.58338	98.9485996	1.612684625	0.000512	1.590766	22.92086	1.11598	7.031264	5.93744226	127.2832
369	489288.17	3859921.48	9.81313	3.68014	17.01217	18.74647	52.805	8.66124	4.34998	3.68014	100.69162	1.656231043	0.0004316	0.971093	24.35104	1.19824	7.510285	6.09776768	130.2812
370	489338.17	3859921.48	9.97385	3.7666	23.28421	14.37377	54.98151	9.01836	4.63673	3.7666	102.340753	1.695141991	0.0005907	0.744581	25.35474	1.24765	8.005361	6.24102663	133.1478
371	489388.17	3859921.48	10.09221	3.85816	23.42901	11.92536	56.51154	9.28424	4.93966	3.85816	103.555234	1.736348172	0.0005943	0.61775	26.06032	1.28443	8.528373	6.39273597	135.3903
372	489438.17	3859921.48	10.1352	3.92343	29.31419	10.85018	57.3708	9.7766	5.23315	3.92343	103.99635	1.765722652	0.0007436	0.562054	26.45657	1.35254	9.035087	6.50088438	136.6682
373	489488.17	3859921.48	10.06813	3.99298	28.12039	10.17965	56.85275	9.96814	5.48084	3.99298	103.308151	1.797023328	0.0007134	0.52732	26.21767	1.37904	9.462726	6.61612449	136.0765
374	489538.17	3859921.48	9.91978	4.07757	31.34456	9.76777	55.25402	10.75822	5.67807	4.07757	101.785946	1.83509269	0.0007951	0.505984	25.48041	1.48835	9.803245	6.75628497	134.1435
375	489588.17	3859921.48	9.74404	4.10626	27.59581	9.4514	53.08747	11.48973	5.81066	4.10626	99.9826939	1.8480045	0.0007	0.489596	24.48131	1.58955	10.03216	6.80382255	131.6202
376	489238.17	3859971.48	9.78487	3.43404	15.53947	30.39502	47.02238	7.24747	3.83681	3.43404	100.401647	1.545474805	0.0003942	1.574504	21.68439	1.00265	6.624291	5.68999498	127.1434
377	489288.17	3859971.48	9.06095	3.50867	21.57675	18.64095	50.31816	7.82217	4.08193	3.50867	92.9735705	1.579061713	0.0005474	0.965627	23.20424	1.08216	7.047494	5.81365234	121.039
378	489338.17	3859971.48	9.2593	3.58819	23.06436	14.32801	53.07231	8.43218	4.3524	3.58819	95.0088215	1.614849344	0.0005851	0.742211	24.47431	1.16655	7.514463	5.94541213	124.5764
379	489388.17	3859971.48	9.44812	3.64619	26.64692	11.82115	55.29146	9.25969	4.64039	3.64619	96.9462861	1.640951993	0.000676	0.612352	25.49768	1.28103	8.01168	6.0415146	127.9491
380	489438.17	3859971.48	9.61263	3.70086	27.92225	10.3386	56.85217	9.83534	4.92197	3.70086	98.634308	1.665555989	0.0007083	0.535554	26.2174	1.36067	8.497831	6.13209946	130.7799
381	489488.17	3859971.48	9.73424	3.95148	28.3973	10.02897	57.64987	10.12371	5.55236	3.95148	99.882137	1.778346433	0.0007204	0.519515	26.58526	1.40057	9.586206	6.54736152	133.2054
382	489538.17	3859971.48	9.76767	4.17287	25.29308	9.99462	57.05713	9.8713	6.00488	4.17287	100.225159	1.877982042	0.0006416	0.517735	26.31192	1.36565	10.36749	6.91419126	133.7524
383	489588.17	3859971.48	9.72616	4.24049	26.69581	9.60474	55.40887	9.69071	6.42202	4.24049	99.7992288	1.90841413	0.0006772	0.497539	25.55182	1.34066	11.08768	7.02623348	133.1598
384	483577.7	3854071	8.59574	4.01892	5.78446	12.51542	9.92857	8.67168	5.89383	4.01892	88.2000937	1.808697512	0.0001467	0.648316	4.578564	1.19968	10.17576	6.65910549	99.95215
385	483627.7	3854071	8.38361	4.3151	3.62573	12.8307	9.98514	8.03707	5.29004	4.3151	86.0234474	1.941992037	9.198E-05	0.664648	4.604651	1.11189	9.133308	7.1498577	96.33017
386	483677.7	3854071	8.21558	4.44673	7.02716	12.68391	10.86589	7.70695	4.58344	4.44673	84.2993071	2.001231547	0.0001783	0.657044	5.010809	1.06622	7.913356	7.36796059	93.58018
387	483727.7	3854071	8.23302	4.3532	11.48309	11.88342	11.68021	7.11454	4.48235	4.3532	84.4782573	1.959138776	0.0002913	0.615578	5.386333	0.98426	7.738823	7.21298708	93.9497
388	483777.7	3854071	8.38714	4.51914	13.19261	10.52014	12.39578	6.38747	4.8727	4.51914	86.0596684	2.033819353	0.0003347	0.544958	5.716318	0.88368	8.412766	7.48793954	96.1636
389	483577.7	3854121	8.99307	4.18254	7.13002	13.48951	11.60781	9.28763	6.62483	4.18254	92.2770601	1.882333984	0.0001809	0.698775	5.352946	1.2849	11.43784	6.93021386	106.0038
390	483627.7	3854121	8.75068	3.88917	5.00973	12.89942	10.56259	8.2683	6.21879	3.88917	89.7899187	1.750304088	0.0001271	0.668208	4.870942	1.14388	10.7368	6.44411765	102.5161
391	483677.7	3854121	8.58708	4.20737	9.97425	13.4311	9.94133	7.06816	5.6187	4.20737	88.1112342	1.893508617	0.000253	0.69575	4.584448	0.97785	9.700743	6.97135566	98.99243
392	483727.7	3854121	8.46999	4.35385	13.52884	13.50162	10.8484	6.17365	4.82751	4.35385	86.9097846	1.959431306	0.0003432	0.699403	5.002744	0.85409	8.334745	7.21406409	96.54648
393	483777.7	3854121	8.56187	4.26237	12.87332	12.74178	12.56302	5.82632	4.54641	4.26237	87.8525567	1.918261129	0.0003266	0.660042	5.793441	0.80604	7.849423	7.0624873	97.81761
394	483577.7	3854171	9.54402	5.19748	8.5341	15.87862	13.36794	10.25536	7.23527	5.19748	97.9303071	2.339103328	0.0002165	0.822535	6.16463	1.41878	12.49177	8.61190758	112.5554
395	483627.7	3854171	9.25871	4.0626	7.66559	12.86531	12.29816	8.69777	7.01891	4.0626	95.0027676	1.828355507	0.0001945	0.666441	5.671301	1.20329	12.11822	6.73148059	109.7591
396	483677.7	3854171	9.02851	3.75433	12.9902	13.477	11.21123	7.55272	6.63137	3.75433	92.6407067	1.689619931	0.0003295	0.698127	5.170063	1.04488	11.44913	6.22069599	106.4722
397	483727.7	3854171	8.84648	4.06526	14.47815	14.14289	10.18767	6.8169	6.01126	4.06526	90.7729136	1.829552628	0.0003673	0.732621	4.698048	0.94308	10.3785	6.73588805	102.6192
398	483777.7	3854171	8.7722	4.21547	10.80592	14.30677	11.46445	6.35976	5.15278	4.21547	90.0107334	1.897153987	0.0002741	0.741111	5.286835	0.87984	8.896327	6.98477686	100.7275
399	483827.7	3854171	8.96704	4.13129	5.41471	13.69996	12.78401	5.67087	4.75547	4.13129	92.0099687	1.859269143	0.0001374	0.709677	5.895351	0.78454	8.210367	6.84529573	102.624
400	483877.7	3854171	9.16334	4.02106	10.06839	12.19791	13.98088	5.37928	5.34973	4.02106	94.0241848	1.80966061	0.0002554	0.631869	6.447288	0.7442	9.236363	6.66265134	106.2312
401	483727.7	3854221	9.25688	3.60767	13.39031	13.92522	11.04765	7.39245	7.11748	3.60767	94.9839901	1.623616234	0.0003397	0.721346	5.094628	1.02271	12.2884	5.97768931	109.7573
402	483777.7	3854221	9.10021	3.90545	7.52498	14.79697	10.08116	7.32378	6.48159	3.90545	93.3764137	1.757630831	0.0001909	0.766504	4.648931	1.01321	11.19053	6.47109262	106.2823
403	483827.7	3854221	9.04028	4.07208	10.36521	15.07346	11.42199	6.83734	5.50753	4.07208	92.7614775	1.83262194	0.0002629	0.780826	5.267255	0.94591	9.508806	6.74718837	104.35
404	483877.7	3854221	9.24278	4.0018	15.29743	14.68515	12.77091	6.06244	4.95107	4.0018	94.8393113	1.800992731	0.0003881	0.760711	5.88931	0.83871	8.548073	6.63073869	106.0468
405	489150.19	3858726.45	11.59181	6.01188	13.39788	35.67268	48.1104	14.47961	5.94146	6.01188	118.942491	2.705620515	0.0003399	1.847895	22.18613	2.00318	10.25799	9.96131874	147.9823
406	489200.19	3858726.45	11.12819	5.78012	13.12614	58.71678	42.6491	13.68226	5.2951	5.78012	114.185329	2.601317932	0.000333	3.041611	19.66765	1.89287	9.142044	9.57730655	140.9538
407	489150.19	3858776.45	11.9412	6.85246	12.19926	39.22287	50.763	15.60768	6.97493	6.85246	122.52755	3.083919898	0.0003095	2.031799	23.40938	2.15925	12.04229	11.3541086	153.9004
408	489200.19	3858776.45	11.51848	6.30722	12.52256	61.7034	46.05868	14.08452	6.42926	6.30722	118.190059	2.838537001	0.0003177	3.196322	21.23998	1.94852	11.10018	10.4506791	148.0632
409	488919.6	3856400.76	5.0242	2.61175	8.45314	4.59307	61.33269	2.40647	2.72404	2.61175	51.5528518	1.175406758	0.0002144	0.237927	28.28359	0.33292	4.703083	4.32751057	81.95849

410	488919.6	3856450.76	5.08273	2.59218	8.37189	4.87123	61.93285	2.42361	2.7159	2.59218	52.1534228	1.166599364	0.0002124	0.252337	28.56036	0.33529	4.689029	4.29508427	82.86217
411	488969.6	3856450.76	5.04555	2.57632	7.15809	5.68558	60.47144	2.47242	2.69188	2.57632	51.7719222	1.15946164	0.0001816	0.294521	27.88643	0.34205	4.647558	4.26880522	81.83331
412	488919.6	3856500.76	5.13933	2.5578	7.53223	5.16537	62.18876	2.60857	2.69614	2.5578	52.7341901	1.151126795	0.0001911	0.267573	28.67837	0.36088	4.654913	4.23811871	83.60913
413	488969.6	3856500.76	5.09593	2.54539	6.43396	5.79064	60.7821	2.64716	2.67406	2.54539	52.2888667	1.145541728	0.0001632	0.299963	28.02969	0.36622	4.616792	4.21755609	82.52968
414	488919.6	3856550.76	5.18862	2.50761	6.91	5.50084	62.38494	2.76463	2.66907	2.50761	53.2399503	1.128539003	0.0001753	0.284951	28.76884	0.38247	4.608176	4.15495693	84.25815
415	488969.6	3856550.76	5.15001	2.50632	5.9131	5.87491	61.14705	2.7863	2.65481	2.50632	52.8437766	1.127958444	0.00015	0.304329	28.19798	0.38547	4.583556	4.15281948	83.29041
416	488819.6	3856600.76	5.33495	2.43209	8.31371	7.25789	65.3718	2.84723	2.66454	2.43209	54.7414289	1.094551554	0.0002109	0.375969	30.14623	0.3939	4.600355	4.0298249	87.32282
417	488869.6	3856600.76	5.29247	2.44746	7.32821	6.66734	64.00573	2.8799	2.65831	2.44746	54.3055455	1.101468756	0.0001859	0.345378	29.51627	0.39842	4.589599	4.05529205	86.20157
418	488919.6	3856600.76	5.24602	2.45486	7.26515	5.81393	62.69454	2.90245	2.64754	2.45486	53.8289264	1.104799094	0.0001843	0.30117	28.91161	0.40154	4.571005	4.0675534	85.05168
419	488819.6	3856650.76	5.39195	2.34943	6.69892	7.54455	65.61176	3.00143	2.62697	2.34943	55.3263006	1.05735078	0.0001699	0.390818	30.25689	0.41523	4.53549	3.89286231	88.08939
420	488869.6	3856650.76	5.34889	2.37057	7.37592	6.99755	64.39162	3.01151	2.62155	2.37057	54.8844659	1.066864745	0.0001871	0.362483	29.69422	0.41663	4.526133	3.92789001	87.02309
421	488819.6	3856700.76	5.44939	2.2637	6.34275	7.83137	66.02288	3.105	2.59593	2.2637	55.9156871	1.018768365	0.0001609	0.405676	30.44647	0.42956	4.481899	3.75081293	88.94742
422	488869.6	3856700.76	5.40747	2.28929	7.98375	7.32587	64.81445	3.10729	2.59031	2.28929	55.4855499	1.030285034	0.0002025	0.37949	29.88921	0.42988	4.472196	3.793214	87.8936
423	488819.6	3856750.76	5.51522	2.17994	8.63831	8.08237	66.4685	3.19487	2.57273	2.17994	56.5911627	0.981072541	0.0002191	0.418678	30.65197	0.44199	4.441844	3.61202772	89.91492
424	488869.6	3856750.76	5.46577	2.20749	9.89629	7.66363	64.85158	3.20057	2.56232	2.20749	56.0837608	0.993471299	0.000251	0.396987	29.90633	0.44278	4.423871	3.65767639	88.58978
425	488819.6	3857050.76	5.93738	1.69773	8.9112	9.52579	67.20074	6.22251	2.56838	1.69773	60.9229074	0.764056022	0.0002261	0.493449	30.98965	0.86085	4.434334	2.81303514	95.65244
426	488869.6	3857050.76	5.87305	1.65457	9.73452	9.52929	65.43815	6.6322	2.50929	1.65457	60.2628232	0.744632051	0.0002469	0.493631	30.17683	0.91753	4.332315	2.74152165	94.18648
427	488919.6	3857050.76	5.8144	1.63355	11.11941	9.03155	63.87438	6.5535	2.46186	1.63355	59.661021	0.735172091	0.0002821	0.467847	29.45569	0.90664	4.250426	2.70669279	92.77039
428	488819.6	3857100.76	6.01139	1.80287	11.20747	9.73205	71.43431	6.97398	2.63056	1.80287	61.6823172	0.811373823	0.0002843	0.504134	32.94196	0.96482	4.541689	2.98724571	98.45933
429	488869.6	3857100.76	5.94896	1.72475	12.30091	9.78843	68.95898	6.85331	2.56949	1.72475	61.0417287	0.776216256	0.000312	0.507054	31.80046	0.94812	4.436251	2.85780563	96.65234
430	488919.6	3857100.76	5.88357	1.64605	12.63052	9.38524	66.42307	6.38278	2.51323	1.64605	60.370768	0.740797662	0.0003204	0.486169	30.63102	0.88303	4.339117	2.72740453	94.72382
431	488819.6	3857150.76	6.08221	1.89072	13.32102	9.93033	78.69315	7.18633	2.71471	1.89072	62.4089947	0.850910334	0.0003379	0.514405	36.28937	0.99419	4.686974	3.1328078	102.6124
432	488869.6	3857150.76	6.01448	1.83771	13.09213	10.06364	76.04445	6.64684	2.64732	1.83771	61.7140234	0.827053414	0.0003321	0.521311	35.06793	0.91956	4.570625	3.04497346	100.5759
433	488919.6	3857150.76	5.95156	1.75512	12.08228	9.72678	73.64872	5.93101	2.58525	1.75512	61.0684071	0.789884142	0.0003065	0.503861	33.96313	0.82053	4.46346	2.90812687	98.70145
434	488969.6	3857150.76	5.88979	1.65359	10.55468	8.85019	71.32873	5.2358	2.52787	1.65359	60.4345908	0.744191006	0.0002677	0.458452	32.89327	0.72435	4.364393	2.73989785	96.87961
435	488819.6	3857200.76	6.1461	1.9578	13.17147	10.12517	85.12844	6.91545	2.80317	1.9578	63.0645641	0.881099397	0.0003341	0.524498	39.25701	0.95672	4.839701	3.24395527	106.28
436	488869.6	3857200.76	6.07529	1.93246	11.64222	10.32071	81.93292	6.17993	2.73113	1.93246	62.3379892	0.86969524	0.0002953	0.534627	37.7834	0.85496	4.715324	3.20196844	103.8943
437	488919.6	3857200.76	6.00954	1.87225	10.56743	10.06814	79.02929	5.44463	2.66391	1.87225	61.6633345	0.842597991	0.0002681	0.521544	36.44439	0.75324	4.599268	3.10220414	101.7224
438	488969.6	3857200.76	5.94926	1.78137	10.82712	9.25052	76.41475	4.77526	2.60104	1.78137	61.044807	0.801697841	0.0002747	0.47919	35.23869	0.66063	4.490722	2.95162152	99.76439
439	488819.6	3857250.76	6.20331	1.99657	11.19648	10.3017	90.14378	6.35235	2.89286	1.99657	63.6515906	0.898547668	0.000284	0.533642	41.56984	0.87882	4.994552	3.3081948	109.2191
440	488869.6	3857250.76	6.13193	1.9994	11.53556	10.55143	87.1644	5.60691	2.81834	1.9994	62.919167	0.899821297	0.0002926	0.546579	40.19589	0.77569	4.865893	3.31288394	106.8905
441	488919.6	3857250.76	6.06363	1.96664	11.48575	10.38795	84.36126	4.94969	2.74717	1.96664	62.218347	0.885077801	0.0002914	0.53811	38.90323	0.68477	4.743017	3.25860262	104.7142
442	488969.6	3857250.76	5.99853	1.90083	11.09137	9.65338	81.73114	5.16497	2.68004	1.90083	61.5503619	0.855460296	0.0002814	0.500059	37.69034	0.71455	4.627116	3.14955946	102.7886
443	488819.6	3857300.76	6.24571	2.01118	12.28885	10.48399	91.67577	5.77763	2.98	2.01118	64.0866531	0.905122835	0.0003117	0.543085	42.27631	0.79931	5.145	3.33240268	110.4234
444	488869.6	3857300.76	6.17317	2.04462	11.85888	10.78148	89.00627	5.26902	2.90458	2.04462	63.3423268	0.920172362	0.0003008	0.558496	41.04527	0.72894	5.014787	3.38781072	108.2225
445	488919.6	3857300.76	6.10181	2.04462	11.11286	10.70188	86.38533	5.6724	2.8312	2.04462	62.6101085	0.920172362	0.0002819	0.554372	39.83663	0.78475	4.888096	3.38781072	106.2066
446	488819.6	3857450.76	6.27926	1.90943	13.9705	10.98843	84.71051	7.80914	3.20197	1.90943	64.4309065	0.859330689	0.0003544	0.569216	39.06428	1.08036	5.528234	3.16380913	108.3689
447	488869.6	3857450.76	6.20491	2.01182	14.68655	11.40286	81.32706	7.94865	3.13312	2.01182	63.668008	0.905410864	0.0003726	0.590684	37.504	1.09966	5.409363	3.33346312	105.844
448	488919.6	3857450.76	6.12837	2.10358	14.85255	11.56482	77.54195	7.94845	3.06281	2.10358	62.8826382	0.946707054	0.0003768	0.599074	35.7585	1.09963	5.287973	3.48550385	103.0894
449	488819.6	3857500.76	6.25649	1.93147	15.8536	11.13824	84.8186	8.45084	3.25852	1.93147	64.1972656	0.869249695	0.0004022	0.576976	39.11413	1.16913	5.625868	3.20032807	108.3527
450	488869.6	3857500.76	6.17803	1.95953	15.0787	11.60517	82.33742	8.26969	3.19263	1.95953	63.3921948	0.881877976	0.0003825	0.601164	37.96993	1.14407	5.512108	3.24682178	106.2549
451	488919.6	3857500.76	6.10257	2.06802	14.65219	11.83615	79.70919	7.99535	3.12658	2.06802	62.6179067	0.93070343	0.0003717	0.613129	36.75792	1.10612	5.398072	3.4265831	103.9976
452	488819.6	3857550.76	6.21516	1.9589	15.08399	11.30662	81.60098	8.47488	3.30428	1.9589	63.7731823	0.881594447	0.0003826	0.585699	37.63032	1.17246	5.704873	3.24577791	106.5027
453	488869.6	3857550.76	6.13767	1.93837	15.10206	11.80476	80.12531	8.0836	3.24346	1.93837	62.9780646	0.87235501	0.0003831	0.611503	36.94982	1.11833	5.599867	3.21176095	104.9186
454	488919.6	3857550.76	6.06092	2.01312	15.02532	12.08448	78.38146	7.87586	3.18109	2.01312	62.1905399	0.905995923	0.0003812	0.625993	36.14564	1.08959	5.492184	3.33561714	103.1147
455	489663.71	3860900.05	8.92306	4.66794	10.21232	6.34064	26.98374	4.59021	4.66773	4.66794	91.558694	2.100786148	0.0002591	0.328454	12.44356	0.63503	8.058883	7.73449207	107.3912
456	489813.71	3860900.05	7.30953	4.83378	9.04706	5.86723	33.48355	3.98932	4.89031	4.83378	75.0024118	2.175421721	0.0002295	0.303931	15.44095	0.5519	8.44317	8.00927885	93.90874
457	489863.71	3860900.05	6.91206	4.99244	8.36518	5.74895	35.00909	4.0037	5.05088	4.99244	70.9240088	2.246825965	0.0002122	0.297804	16.14445	0.55389	8.720396	8.2721688	90.61542
458	489913.71	3860900.05	6.53107	5.13341	7.74019	5.68693	36.31853	4.00827	5.19011	5.13341	67.0147056	2.310268902	0.0001964	0.294591	16.7483	0.55452	8.960778	8.50574749	87.37762
459	489963.71	3860900.05	6.1485	5.28991	6.27679	5.60328	37.05434	3.97919	5.34569	5.28991	63.0891902	2.380701048	0.0001592	0.290258	17.08762	0.5505	9.229388	8.76505846	83.86276
460	490013.71	3860900.05	5.93331	5.42478	7.63703	5.55967	37.53434	3.93385	5.47953	5.42478	60.8811455	2.441398707	0.0001937	0.287999	17.30897	0.54423	9.460464	8.98852983	81.93587
461	490063.71	3860900.05	5.87706	5.56443	9.24015	5.49574	37.49208	3.85434	5.62162	5.56443	60.3039695	2.504247584	0.0002344	0.284687	17.28949	0.53323	9.705784	9.21992136	81.40172
462	489663.71	3860950.05	9.27462	4.88854	9.79784	6.28908	25.1973	4.67381	4.90491	4.88854	95.1660186	2.200066221	0.0002485	0.325783	11.61974	0.6466	8.468377	8.10001283	110.3268
463	489813.71	3860950.05	7.51689	4.97048	8.7316	5.79721	31.89068	4.0176	4.9787	4.97048	77.1301135	2.236942963	0.0002215	0.300304	14.7064	0.55582	8.595776	8.23578241	95.28979
464	489863.71	3860950.05	7.12266	4.97948	8.04659	5.67221	33.55314	3.90998	4.98799	4.97948	73.084956	2.240993374	0.0002041	0.293828	15.47304	0.54093	8.611815	8.25069487	91.99507
465	489913.71	3860950.05	6.74314	5.01203	7.51969	5.59968	35.0109	3.93322	5.01606	5.01203	69.1907363	2.25564236	0.0001908	0.290071	16.14529	0.54414	8.660278	8.30462823	88.78172
466	489963.71	3860950.05	6.36534	5.02978	6.22213	5.52326	36.01172	3.93197	5.02667	5.02978	65.3141654	2.26363067	0.0001578	0.286113	16.60682	0.54397	8.678597	8.3340389	85.35941
467	490013.71	3860950.05	5.99631	5.04701	7.08565	5.46839	36.664	3.91177	5.04827	5.04701	61.5275827	2.271384957	0.0001797	0.28327	16.90762	0.54117	8.715889	8.36258796	81.88451
468	490063.71	3860950.05	5.77984	5.0637	8.74477	5.4166	36.90656	3.86662	5.07648	5.0637	59.306404	2.278896219	0.0002218	0.280587	17.01947	0.53493	8.764594	8.39024227	79.79486

469	489513.71	3861000.05	12.17163	4.84284	8.62927	7.73463	16.261	5.16635	4.87559	4.84284	124.89197	2.179499134	0.0002189	0.400665	7.498766	0.71474	8.417756	8.02429071	136.0793
470	489563.71	3861000.05	11.29794	4.88958	9.25176	7.01602	18.60005	5.04105	4.9203	4.88958	115.927118	2.200534268	0.0002347	0.36344	8.57742	0.6974	8.494948	8.10173605	128.1594
471	489613.71	3861000.05	10.44513	4.93433	10.02575	6.53575	21.04593	4.90509	4.96451	4.93433	107.176514	2.220673812	0.0002543	0.338561	9.705338	0.6786	8.571277	8.17588407	120.5153
472	489663.71	3861000.05	9.61793	4.97889	9.41831	6.25456	23.48494	4.74183	5.00761	4.97889	98.6886908	2.240727847	0.0002389	0.323995	10.83009	0.65601	8.645689	8.24971727	113.1357
473	489713.71	3861000.05	8.82108	5.02352	7.9743	6.02268	25.84254	4.55129	5.05057	5.02352	90.5122866	2.260813384	0.0002023	0.311983	11.9173	0.62965	8.71986	8.32366646	106.0284
474	489763.71	3861000.05	8.10238	5.06473	8.58187	5.85057	28.11437	4.3463	5.09119	5.06473	83.1377723	2.279359766	0.0002177	0.303068	12.96495	0.60129	8.789991	8.39194892	99.6847
475	489813.71	3861000.05	7.71846	5.10805	8.44817	5.73916	30.2945	4.13922	5.13157	5.10805	79.1984047	2.298855744	0.0002143	0.297297	13.97032	0.57264	8.859708	8.46372752	96.73371
476	489863.71	3861000.05	7.32919	5.1476	7.76195	5.60933	32.08319	3.90795	5.1702	5.1476	75.2041412	2.31665505	0.0001969	0.290571	14.79517	0.54065	8.926403	8.52925946	93.54453
477	489913.71	3861000.05	6.95341	5.18681	7.33173	5.53272	33.69964	3.84366	5.20863	5.18681	71.3482973	2.334301341	0.000186	0.286603	15.5406	0.53175	8.992752	8.59422804	90.44026
478	489963.71	3861000.05	6.57696	5.22529	6.15373	5.44621	34.86078	3.8599	5.24437	5.22529	67.4855787	2.351619098	0.0001561	0.282121	16.07606	0.534	9.054458	8.65798705	87.12601
479	490013.71	3861000.05	6.21101	5.26212	6.57124	5.39032	35.73261	3.86362	5.28087	5.26212	63.7305996	2.368194279	0.0001667	0.279226	16.47811	0.53451	9.117476	8.71901212	83.78927
480	490063.71	3861000.05	5.84897	5.30146	8.24733	5.33563	36.18894	3.84476	5.31561	5.30146	60.0157406	2.385899076	0.0002092	0.276393	16.68854	0.5319	9.177455	8.7841961	80.29195
481	489513.71	3861050.05	12.42497	4.7482	8.63401	7.76109	14.85809	5.1684	4.78998	4.7482	127.491469	2.136906813	0.000219	0.402035	6.851814	0.71502	8.269949	7.867478	137.9999
482	489563.71	3861050.05	11.59438	4.81253	9.17614	7.04243	17.09092	5.05574	4.8562	4.81253	118.968862	2.16585825	0.0002328	0.364808	7.881484	0.69944	8.384279	7.97406889	130.4909
483	489613.71	3861050.05	10.76869	4.86295	9.76815	6.54269	19.48465	4.9441	4.90411	4.86295	110.496533	2.188549553	0.0002478	0.33892	8.985353	0.68399	8.466996	8.05761176	123.103
484	489663.71	3861050.05	9.95003	4.93276	9.12074	6.2208	21.81619	4.79044	4.97177	4.93276	102.096338	2.21996724	0.0002314	0.322246	10.06054	0.66273	8.583811	8.17328267	115.7726
485	489713.71	3861050.05	9.15811	4.99466	7.73222	5.9761	24.14724	4.61966	5.03391	4.99466	93.9705203	2.247825067	0.0001961	0.30957	11.13551	0.63911	8.691097	8.2758472	108.718
486	489763.71	3861050.05	8.399	5.05133	8.28135	5.8006	26.44517	4.43661	5.08974	5.05133	86.1813627	2.273329154	0.0002101	0.300479	12.1952	0.61378	8.787488	8.36974594	101.9821
487	489813.71	3861050.05	7.90842	5.10682	8.14984	5.66896	28.63102	4.23994	5.14466	5.10682	81.1475667	2.298302188	0.0002067	0.29366	13.20321	0.58657	8.882308	8.46168949	97.95013
488	489863.71	3861050.05	7.52828	5.16354	7.4885	5.54881	30.56748	4.02525	5.19944	5.16354	77.2469853	2.323828778	0.00019	0.287436	14.0962	0.55687	8.976886	8.55567107	94.93273
489	489913.71	3861050.05	7.15431	5.21911	7.12179	5.45618	32.26678	3.81105	5.2537	5.21911	73.4097137	2.348837816	0.0001807	0.282638	14.87984	0.52724	9.070566	8.64774717	91.87127
490	489963.71	3861050.05	6.78435	5.27328	6.08311	5.37743	33.64656	3.77123	5.30852	5.27328	69.6135883	2.373216789	0.0001543	0.278558	15.51612	0.52173	9.165214	8.73750356	88.73108
491	490013.71	3861050.05	6.42419	5.32485	6.09377	5.32787	34.75764	3.79612	5.35849	5.32485	65.9180198	2.396425644	0.0001546	0.275991	16.0285	0.52517	9.251487	8.82295191	85.5728
492	490063.71	3861050.05	6.06384	5.37934	7.76639	5.26921	35.41422	3.7987	5.41149	5.37934	62.2205018	2.420948632	0.000197	0.272952	16.33128	0.52553	9.342992	8.91323852	82.20117
493	489513.71	3861100.05	12.63572	4.53221	8.64814	7.81552	13.57956	5.17582	4.579	4.53221	129.653955	2.03970145	0.0002194	0.404855	6.262219	0.71605	7.90569	7.50959574	139.4731
494	489563.71	3861100.05	11.8574	4.62632	9.08281	7.06126	15.65863	5.05879	4.67578	4.62632	121.667685	2.082055247	0.0002304	0.365783	7.220983	0.69986	8.072782	7.66553027	132.4438
495	489613.71	3861100.05	11.05419	4.71736	9.40803	6.43698	17.82514	4.92942	4.7623	4.71736	113.426022	2.123027405	0.0002387	0.333445	8.22007	0.68196	8.222159	7.816378	125.1905
496	489663.71	3861100.05	10.26105	4.78443	8.83824	6.14859	20.13673	4.8065	4.83003	4.78443	105.287686	2.153211967	0.0002242	0.318506	9.28606	0.66496	8.339096	7.9275089	118.1222
497	489713.71	3861100.05	9.48284	4.8514	7.49078	5.92033	22.46815	4.66451	4.89714	4.8514	97.3025448	2.183351525	0.00019	0.306681	10.3612	0.64531	8.454962	8.03847411	111.2158
498	489763.71	3861100.05	8.72773	4.91853	7.96999	5.73761	24.75331	4.50144	4.96426	4.91853	89.5544309	2.21356309	0.0002022	0.297216	11.415	0.62275	8.570845	8.14970443	104.5243
499	489813.71	3861100.05	8.09008	4.98416	7.86435	5.60193	26.96837	4.32388	5.02952	4.98416	83.0115632	2.243099587	0.0001995	0.290188	12.43647	0.59819	8.683517	8.25844934	99.00478
500	489863.71	3861100.05	7.72319	5.04254	7.24623	5.502	29.06296	4.13564	5.09045	5.04254	79.2469388	2.269373253	0.0001838	0.285011	13.40239	0.57215	8.788714	8.35518144	96.20958
501	489913.71	3861100.05	7.35038	5.11811	6.92861	5.3915	30.81594	3.92265	5.16341	5.11811	75.4215698	2.303383204	0.0001758	0.279287	14.21078	0.54268	8.91468	8.48039633	93.19216
502	489963.71	3861100.05	6.98646	5.18515	6.00593	5.31397	32.35875	3.71731	5.23007	5.18515	71.6874203	2.333554265	0.0001524	0.275271	14.92225	0.51427	9.029769	8.59147752	90.17121
503	490013.71	3861100.05	6.62386	5.25718	5.62554	5.23959	33.5385	3.70247	5.30244	5.25718	67.9668153	2.365971054	0.0001427	0.271418	15.46629	0.51222	9.154716	8.71082684	87.02675
504	490063.71	3861100.05	6.26853	5.32171	7.27721	5.18597	34.42108	3.72428	5.36556	5.32171	64.320807	2.3950125	0.0001846	0.26864	15.87329	0.51524	9.263694	8.81774912	83.81912
505	489713.71	3861150.05	9.79546	4.61344	7.26099	5.87268	20.85563	4.69631	4.66644	4.61344	100.51031	2.076258659	0.0001842	0.304213	9.617581	0.64971	8.056656	7.6441889	113.5707
506	489763.71	3861150.05	9.05039	4.68575	7.69804	5.69117	23.13177	4.55555	4.73805	4.68575	92.8652153	2.108801461	0.0001953	0.294811	10.66722	0.63024	8.180291	7.76400216	106.9828
507	489813.71	3861150.05	8.32744	4.75516	7.61326	5.54906	25.35557	4.39676	4.80608	4.75516	85.4470922	2.140039131	0.0001931	0.287449	11.69273	0.60827	8.297746	7.8790103	100.5945
508	489863.71	3861150.05	7.9018	4.83067	6.96187	5.42797	27.43542	4.217	4.88403	4.83067	81.0796395	2.174022079	0.0001766	0.281176	12.65185	0.5834	8.432327	8.00412577	97.19847
509	489913.71	3861150.05	7.53834	4.91164	6.73182	5.3246	29.31563	4.02201	4.96646	4.91164	77.35021	2.210462276	0.0001708	0.275822	13.51891	0.55643	8.574644	8.13828812	94.34836
510	489963.71	3861150.05	7.17746	4.99034	5.89719	5.23597	30.94477	3.81932	5.04611	4.99034	73.6472537	2.245880869	0.0001496	0.271231	14.27019	0.52838	8.71216	8.26868922	91.40656
511	490013.71	3861150.05	6.82045	5.07241	5.19455	5.16319	32.29367	3.61918	5.12443	5.07241	69.9840071	2.282816117	0.0001318	0.26746	14.89224	0.5007	8.84738	8.40467421	88.37005
512	490063.71	3861150.05	6.47078	5.142	6.81267	5.11523	33.38737	3.63741	5.19846	5.142	66.3960755	2.314134795	0.0001728	0.264976	15.3966	0.50322	8.975194	8.5199806	85.33039
513	489613.71	3861200.05	11.55229	4.306	8.95997	6.39885	14.95161	4.91738	4.34688	4.306	118.53698	1.937896621	0.0002273	0.331469	6.89494	0.6803	7.504932	7.13477955	128.752
514	489663.71	3861200.05	10.82816	4.35942	8.32706	6.06084	17.09705	4.82307	4.40145	4.35942	111.106749	1.96193806	0.0002112	0.31396	7.884311	0.66725	7.599148	7.22329324	122.3103
515	489713.71	3861200.05	10.09267	4.41354	7.04113	5.83119	19.31241	4.71651	4.4559	4.41354	103.559954	1.986294532	0.0001786	0.302064	8.905925	0.65251	7.693157	7.31296678	115.7871
516	489763.71	3861200.05	9.36052	4.46835	7.4356	5.64412	21.54925	4.59281	4.51069	4.46835	96.0474306	2.010961534	0.0001886	0.292373	9.937444	0.63539	7.787752	7.40378361	109.3078
517	489813.71	3861200.05	8.64424	4.52403	7.3696	5.49653	23.76117	4.45227	4.56621	4.52403	88.6977477	2.036020077	0.000187	0.284728	10.95747	0.61595	7.883608	7.49604198	102.9797
518	489863.71	3861200.05	8.08027	4.57688	6.73455	5.3833	25.90548	4.29613	4.61977	4.57688	82.9109037	2.05980499	0.0001708	0.278862	11.94632	0.59435	7.97608	7.5836112	98.18288
519	489913.71	3861200.05	7.72288	4.63549	6.55978	5.2739	27.84561	4.11508	4.67825	4.63549	79.2437579	2.086182166	0.0001664	0.273195	12.84101	0.5693	8.077046	7.6807244	95.40994
520	489963.71	3861200.05	7.36663	4.69882	5.80935	5.17867	29.56325	3.92104	4.75404	4.69882	75.5883096	2.114683558	0.0001474	0.268262	13.6331	0.54246	8.207898	7.78565835	92.5692
521	490013.71	3861200.05	7.01655	4.7822	4.80304	5.11026	31.0775	3.72886	4.8366	4.7822	71.996171	2.152208365	0.0001218	0.264719	14.3314	0.51587	8.350439	7.92381393	89.68711
522	490063.71	3861200.05	6.66737	4.86806	6.36583	5.047	32.27579	3.54047	4.92439	4.86806	68.4132673	2.190849286	0.0001615	0.261442	14.88399	0.48981	8.502009	8.06607872	86.67545
523	489513.71	3861250.05	12.92548	3.9989	8.28901	7.62289	9.94916	5.07406	4.03861	3.9989	132.627156	1.799687598	0.0002103	0.394876	4.588059	0.70197	6.972701	6.62593357	140.4587
524	489563.71	3861250.05	12.37707	4.05408	8.64721	6.98664	11.74266	4.99614	4.09524	4.05408	126.999971	1.824521118	0.0002194	0.361918	5.415132	0.69119	7.070473	6.71736347	135.6461
525	489613.71	3861250.05	11.75262	4.10879	8.75306	6.41925	13.67686	4.91514	4.15232	4.10879	120.592548	1.849143116	0.000222	0.332526	6.307089	0.67999	7.169023	6.8080146	130.1225
526	489663.71	3861250.05	11.07422	4.16772	8.08923	6.03133	15.71166	4.82427	4.20978	4.16772	113.631548	1.875664307	0.0002052	0.312431	7.245438	0.66741	7.268228	6.90565802	124.0953
527	489713.71	3861250.05	10.36995	4.22437	6.83151	5.79613	17.84869	4.72832	4.26791	4.22437	106.405099	1.901159394	0.0001733	0.300248	8.23093	0.65414	7.36859	6.99952362	117.8608

528	489763.71	3861250.05	9.65781	4.28144	7.19454	5.60488	20.0289	4.61938	4.32651	4.28144	99.0978958	1.9268435	0.0001825	0.290341	9.236334	0.63907	7.469763	7.09408513	111.5663
529	489813.71	3861250.05	8.95231	4.33888	7.14071	5.44911	22.20628	4.49405	4.38551	4.33888	91.8588255	1.952694122	0.0001811	0.282272	10.24043	0.62173	7.571627	7.18925971	105.3385
530	489863.71	3861250.05	8.26164	4.3975	6.48789	5.32219	24.32899	4.35091	4.44492	4.3975	84.7719245	1.979075799	0.0001646	0.275697	11.21932	0.60193	7.674199	7.28638948	99.23592
531	489913.71	3861250.05	7.89881	4.45594	6.38597	5.22291	26.35492	4.19289	4.50432	4.45594	81.0489594	2.005376468	0.000162	0.270554	12.15358	0.58007	7.776754	7.383221	96.45223
532	489963.71	3861250.05	7.55249	4.51635	5.73341	5.13541	28.19383	4.01751	4.56527	4.51635	77.4954019	2.032563726	0.0001454	0.266021	13.00159	0.5558	7.881985	7.48331668	93.7502
533	490013.71	3861250.05	7.20633	4.58022	4.70319	5.05934	29.80222	3.83146	4.62574	4.58022	73.9434861	2.061308142	0.0001193	0.262081	13.7433	0.53006	7.986387	7.58914538	90.9376
534	490063.71	3861250.05	6.85916	4.64201	5.94165	4.98554	31.10298	3.6383	4.69025	4.64201	70.3812068	2.089116464	0.0001507	0.258258	14.34315	0.50334	8.097764	7.69152764	87.98146
535	489528.13	3861308.47	12.83346	3.72025	8.18581	7.41275	9.26856	5.04151	3.75784	3.72025	131.682947	1.674282374	0.0002077	0.383991	4.2742	0.69747	6.487949	6.16422751	139.0368
536	489578.13	3861308.47	12.33507	3.77906	8.55241	6.80285	10.96024	4.95729	3.817	3.77906	126.569013	1.70074956	0.000217	0.352397	5.054319	0.68582	6.590089	6.26167209	134.6909
537	489628.13	3861308.47	11.76257	3.83796	8.36633	6.2595	12.79544	4.87553	3.8769	3.83796	120.694644	1.727257249	0.0002122	0.324251	5.900622	0.67451	6.693507	6.3592658	129.6557
538	489678.13	3861308.47	11.1338	3.89569	7.51114	5.92032	14.76345	4.79494	3.9369	3.89569	114.242893	1.753238385	0.0001905	0.306681	6.80817	0.66336	6.797098	6.45492089	124.1167
539	489728.13	3861308.47	10.4682	3.95539	6.55398	5.69762	16.823	4.70693	3.99641	3.95539	107.413233	1.780106111	0.0001663	0.295145	7.757932	0.65118	6.899842	6.55384015	118.2438
540	489778.13	3861308.47	9.78369	4.01598	6.97984	5.50629	18.92766	4.60485	4.05926	4.01598	100.389539	1.807374378	0.0001771	0.285234	8.728497	0.63706	7.008354	6.65423409	112.202
541	489678.13	3861358.47	11.32309	3.60703	7.28944	5.88333	13.511	4.78848	3.64382	3.60703	116.18518	1.623328205	0.0001849	0.304765	6.230603	0.66246	6.291092	5.97662887	125.321
542	489728.13	3861358.47	10.69871	3.6677	6.34731	5.65615	15.47648	4.70462	3.70558	3.6677	109.778474	1.650632475	0.000161	0.292996	7.136984	0.65086	6.397721	6.07715536	119.8307
543	489528.13	3861408.47	12.86375	3.11224	7.9182	7.38719	7.50298	5.05145	3.14239	3.11224	131.99375	1.400650111	0.0002009	0.382667	3.460002	0.69884	5.425368	5.15679199	138.2047
544	489578.13	3861408.47	12.46742	3.17079	8.20214	6.78717	8.96566	4.95223	3.20071	3.17079	127.927044	1.427000285	0.0002081	0.351585	4.134517	0.68512	5.526058	5.25380577	134.7977
545	489628.13	3861408.47	12.01126	3.22755	7.94439	6.28572	10.60316	4.87436	3.25862	3.22755	123.246429	1.452544877	0.0002015	0.325609	4.889651	0.67434	5.62604	5.34785363	130.867
546	489678.13	3861408.47	11.48266	3.28816	7.08042	5.85604	12.34566	4.78645	3.32158	3.28816	117.822513	1.479822144	0.0001796	0.303351	5.693206	0.66218	5.734742	5.44828071	126.2477
547	489728.13	3861408.47	10.90091	3.34997	6.15228	5.61684	14.20151	4.70047	3.38437	3.34997	111.85323	1.507639467	0.0001561	0.29096	6.549031	0.65029	5.843149	5.55069611	121.1438
548	489528.13	3861458.47	12.86329	2.77657	7.79382	7.3959	6.74242	5.07935	2.80088	2.77657	131.98903	1.249583284	0.0001977	0.383118	3.109269	0.7027	4.835748	4.60060726	137.669
549	489578.13	3861458.47	12.50558	2.83329	8.03822	6.79823	8.09685	4.96979	2.8581	2.83329	128.318601	1.275109874	0.0002039	0.352158	3.733865	0.68755	4.934539	4.69458884	134.6074
550	489628.13	3861458.47	12.08944	2.89056	7.72724	6.27697	9.60195	4.87295	2.91698	2.89056	124.048626	1.300883989	0.000196	0.325156	4.427943	0.67415	5.036196	4.78948174	131.0237
551	489678.13	3861458.47	11.6107	2.95025	6.87196	5.81749	11.24527	4.78265	2.977	2.95025	119.13632	1.327747215	0.0001743	0.301354	5.18576	0.66166	5.139821	4.88838444	126.8644
552	489728.13	3861458.47	11.0726	3.01144	5.95247	5.56534	12.9895	4.6908	3.03975	3.01144	113.614925	1.355285509	0.000151	0.288292	5.990113	0.64895	5.248159	4.98977254	122.1561
553	489528.13	3861508.47	12.8538	2.43374	7.65896	7.39421	6.04576	5.11458	2.45282	2.43374	131.891654	1.09529413	0.0001943	0.38303	2.788004	0.70758	4.234819	4.03255885	137.068
554	489578.13	3861508.47	12.52445	2.48833	7.86211	6.78767	7.28764	4.98851	2.50826	2.48833	128.512224	1.119862122	0.0001994	0.351611	3.360698	0.69014	4.330536	4.12301115	134.2423
555	489628.13	3861508.47	12.14581	2.5442	7.51543	6.26604	8.68155	4.87883	2.5649	2.5442	124.627034	1.145006174	0.0001907	0.32459	4.0035	0.67496	4.428326	4.21558433	130.988
556	489678.13	3861508.47	11.71038	2.60168	6.6652	5.78669	10.21114	4.77961	2.62346	2.60168	120.159127	1.170874798	0.0001691	0.299759	4.708871	0.66124	4.52943	4.31082519	127.2186
557	489728.13	3861508.47	11.21994	2.66053	5.77525	5.52696	11.86825	4.68884	2.68306	2.66053	115.126767	1.197359985	0.0001465	0.286304	5.473048	0.64868	4.63233	4.40833605	122.9563
558	489628.13	3861558.47	12.19197	2.2996	7.32593	6.27871	7.8487	4.90488	2.25805	2.2996	125.100677	1.034925005	0.0001858	0.325246	3.619431	0.67857	3.898546	3.81029704	130.8473
559	489678.13	3861558.47	11.80085	2.26515	6.49514	5.82316	9.29901	4.80563	2.27889	2.26515	121.087431	1.019420932	0.0001648	0.301648	4.288242	0.66484	3.934527	3.75321549	127.5431
560	489728.13	3861558.47	11.35156	2.30057	5.64889	5.53048	10.86507	4.7093	2.31784	2.30057	116.477308	1.035361549	0.0001433	0.286487	5.010431	0.65151	4.001774	3.81190427	123.6511
561	489357.08	3861015.81	14.59836	4.65719	7.93788	11.61689	9.44887	5.47328	4.69437	4.65719	149.792423	2.095948157	0.0002014	0.601771	4.35735	0.7572	8.104877	7.71667998	157.9931
562	489407.08	3861015.81	13.96804	4.71677	6.91939	9.8409	11.26883	5.36909	4.75476	4.71677	143.324767	2.122761878	0.0001755	0.509772	5.196625	0.74279	8.209141	7.81540041	152.2906
563	489457.08	3861015.81	13.20435	4.77144	7.35516	8.67816	13.29097	5.27254	4.80797	4.77144	135.488615	2.147365874	0.0001866	0.449541	6.129136	0.72943	8.301009	7.90598527	145.3393
564	489357.08	3861065.81	14.51774	4.49716	7.34798	11.6593	8.46701	5.45797	4.54098	4.49716	148.965188	2.02392735	0.0001864	0.603968	3.904565	0.75508	7.840048	7.45152002	156.6414
565	489407.08	3861065.81	13.99837	4.57094	6.44225	9.86204	10.15322	5.35154	4.61621	4.57094	143.635981	2.057131719	0.0001634	0.510867	4.682161	0.74036	7.969933	7.57376899	152.0228
566	489457.08	3861065.81	13.34654	4.63712	7.47997	8.69145	12.0436	5.25862	4.6823	4.63712	136.947613	2.086915741	0.0001898	0.450229	5.55391	0.7275	8.084038	7.68342521	146.167
567	489357.08	3861115.81	14.4204	4.26437	6.95054	11.66436	7.56303	5.44473	4.30325	4.26437	147.966392	1.91916122	0.0001763	0.60423	3.487694	0.75325	7.429605	7.06580118	155.0947
568	489407.08	3861115.81	13.9877	4.32642	6.25397	9.91937	9.14679	5.3461	4.37352	4.32642	143.526497	1.947086553	0.0001586	0.513837	4.218045	0.73961	7.550927	7.16861425	151.3275
569	489457.08	3861115.81	13.43662	4.39685	7.60272	8.74253	10.91265	5.25508	4.44394	4.39685	137.871916	1.978783269	0.0001929	0.452875	5.032372	0.72701	7.672507	7.28531247	146.4503
570	489407.08	3861165.81	13.95062	4.1848	6.43507	9.9634	8.21706	5.34498	4.22238	4.1848	143.146022	1.883351087	0.0001632	0.516118	3.7893	0.73945	7.289982	6.93395854	150.4304
571	489457.08	3861165.81	13.4757	4.23986	7.67422	8.74229	9.83868	5.24083	4.27747	4.23986	138.272912	1.908130601	0.0001947	0.452863	4.537111	0.72504	7.385095	7.02518961	146.2562
572	489407.08	3861215.81	13.87662	4.02257	6.51886	9.82081	7.30165	5.31128	4.06293	4.02257	142.386715	1.810340179	0.0001654	0.508732	3.367159	0.73479	7.01469	6.66515332	149.1574
573	489457.08	3861215.81	13.46741	4.07816	7.66744	8.64945	8.80301	5.20601	4.11678	4.07816	138.187849	1.835358217	0.0001945	0.448054	4.059511	0.72023	7.107662	6.75726256	145.6016
574	489407.08	3861265.81	13.7976	3.80588	6.58332	9.668	6.4798	5.28644	3.84228	3.80588	141.575898	1.712819784	0.000167	0.500816	2.988162	0.73135	6.633735	6.3061112	147.8368
575	489457.08	3861265.81	13.4384	3.86136	7.64749	8.55725	7.86297	5.18055	3.89991	3.86136	137.89018	1.737788318	0.0001944	0.443277	3.626011	0.7167	6.733234	6.39803817	144.7494
576	489309.86	3861110.14	14.75935	4.2334	8.41745	14.38585	7.26588	5.54639	4.27324	4.2334	151.444326	1.905223306	0.0002135	0.745207	3.350663	0.76732	7.377792	7.01448578	158.5763
577	489407.08	3861315.81	13.73325	3.54043	6.67999	9.65731	5.95361	5.30493	3.57668	3.54043	140.915609	1.593355163	0.0001695	0.500262	2.745509	0.73391	6.175174	5.86627672	146.7977
578	489457.08	3861315.81	13.4086	3.59752	7.65538	8.54828	7.04303	5.18774	3.63275	3.59752	137.584405	1.61904827	0.0001942	0.442813	3.247896	0.7177	6.27198	5.96087138	143.9232
579	488906.03	3861006.75	17.49086	4.09695	9.81029	8.83834	19.67853	7.43965	4.13493	4.09695	179.472098	1.843814575	0.0002489	0.457838	9.074761	1.02924	7.138999	6.78839645	192.2286
580	488956.03	3861006.75	17.26478	4.13532	10.038	10.07406	18.74704	7.07634	4.17381	4.13532	177.152312	1.861082827	0.0002546	0.52185	8.645204	0.97898	7.206125	6.8519732	189.5138
581	488904.24	3861051.87	17.33815	3.81282	9.92804	8.37318	20.11024	7.58993	3.84158	3.81282	177.905155	1.715943101	0.0002519	0.433742	9.273844	1.05003	6.632527	6.31761035	190.6939
582	488954.24	3861051.87	17.06831	3.92602	10.46651	9.95569	18.98918	7.20589	3.9541	3.92602	175.136351	1.76688827	0.0002655	0.515719	8.756867	0.9969	6.826794	6.50517585	187.4946
583	489004.24	3861051.87	16.84625	3.91186	11.16782	11.77834	17.85032	6.85897	3.94062	3.91186	172.857814	1.760515624	0.0002833	0.610134	8.231681	0.9489	6.80352	6.4817136	184.7311
584	488804.24	3861101.87	17.33978	3.7137	9.80762	7.33981	20.13936	8.53056	3.74538	3.7137	177.92188	1.671334575	0.0002488	0.380212	9.287273	1.18016	6.466437	6.15337455	190.7542
585	488854.24	3861101.87	17.20985	3.72305	9.60537	7.63273	20.23839	8.13922	3.75556	3.72305	176.58868	1.675542502	0.0002437	0.395386	9.332941	1.12602	6.484012	6.16886693	189.434
586	488904.24	3861101.87	16.96261	3.8618	9.24458	8.51308	19.49413	7.68113	3.89349	3.8618	174.051773	1.737986338	0.0002345	0.440989	8.989725	1.06265	6.72215	6.39876723	186.6067

587	488954.24	3861101.87	16.74352	3.92313	10.03711	9.29162	18.61944	7.25053	3.95415	3.92313
588	489004.24	3861101.87	16.51739	3.9644	10.03667	11.04309	17.50107	6.89274	3.99567	3.9644
589	488804.24	3861151.87	16.97287	3.65463	8.78096	7.4003	19.36063	8.35824	3.68528	3.65463
590	488854.24	3861151.87	16.82293	3.70504	8.46374	7.80744	19.40692	8.03932	3.73638	3.70504
591	489129.49	3861187.55	15.54059	3.85058	9.37245	22.95025	13.94664	6.24818	3.88577	3.85058
592	489179.49	3861187.55	15.2735	3.90088	10.00558	42.41228	12.24484	5.99985	3.9364	3.90088
593	488804.24	3861201.87	16.72118	3.4613	8.4613	7.21603	19.02935	8.25504	3.49216	3.4613
594	488854.24	3861201.87	16.56461	3.51285	8.4952	7.54651	19.09128	7.98954	3.54419	3.51285
595	489129.49	3861237.55	15.40297	3.63278	9.47746	22.98363	14.27241	6.36395	3.66732	3.63278
596	489179.49	3861237.55	15.14019	3.69099	9.71766	42.55207	12.5882	6.07883	3.72544	3.69099
597	488804.24	3861251.87	16.4902	3.21864	8.02391	7.06168	18.71519	8.13193	3.24715	3.21864
598	488854.24	3861251.87	16.33691	3.28227	8.74677	7.53994	18.84215	7.92688	3.31185	3.28227
599	488804.24	3861301.87	16.24818	2.95438	8.12451	7.12371	18.31031	7.96492	2.97967	2.95438
600	488854.24	3861301.87	16.12054	3.0133	8.82331	7.62718	18.57114	7.82738	3.03967	3.0133
601	490943.5	3860181.97	8.9122	10.18524	19.84021	10.87334	13.62528	6.17941	8.40818	10.18524
602	490993.5	3860181.97	9.08227	10.98151	19.25984	10.3994	13.48108	6.36592	8.67596	10.98151
603	491043.5	3860181.97	9.24988	11.7397	19.47089	10.60661	13.7069	7.12	9.38045	11.7397
604	491093.5	3860181.97	9.42061	12.41299	19.27841	12.18917	13.72662	7.89545	10.238	12.41299
605	490943.5	3860231.97	8.47958	8.44128	19.88455	10.9332	13.57171	5.58985	7.42181	8.44128
606	490993.5	3860231.97	8.64751	9.28629	19.65334	10.61246	13.41052	5.70066	7.88698	9.28629
607	491043.5	3860231.97	8.79244	10.00147	18.74429	10.11643	13.17224	5.83446	8.14982	10.00147
608	491093.5	3860231.97	8.93694	10.67274	19.06802	9.61833	13.381	6.47333	8.32895	10.67274
609	490943.5	3860281.97	8.1162	7.41122	18.361	10.92642	13.31357	5.35597	6.3293	7.41122
610	490993.5	3860281.97	8.2559	7.68776	19.1099	10.66308	13.33511	5.30299	6.89669	7.68776
611	491043.5	3860281.97	8.38917	8.4075	19.04544	10.2661	13.14335	5.2076	7.3164	8.4075
612	491093.5	3860281.97	8.52426	9.10122	18.33582	9.82032	12.84454	5.33635	7.6275	9.10122
613	490943.5	3860331.97	7.81496	6.80685	15.93292	10.61826	12.85769	5.17039	5.80539	6.80685
614	490993.5	3860331.97	7.91449	7.03698	17.20408	10.56407	13.02903	5.16775	6.03749	7.03698
615	491043.5	3860331.97	8.02689	7.20813	18.01234	10.29585	13.02938	5.09606	6.32504	7.20813
616	491093.5	3860331.97	8.14829	7.61252	18.25551	9.91296	12.86525	4.97098	6.76621	7.61252
617	490086.72	3859935.12	8.5967	6.02813	20.06318	11.07591	30.13997	6.78449	7.11147	6.02813
618	490136.72	3859935.12	8.60962	6.508	23.21908	11.04332	28.20878	6.81043	7.51589	6.508
619	490186.72	3859935.12	8.64905	7.02266	20.87911	10.97271	26.02175	7.04906	7.7973	7.02266
620	490236.72	3859935.12	8.71938	7.58481	21.63755	10.90975	23.66723	7.30671	7.97933	7.58481
621	490286.72	3859935.12	8.8224	8.20092	23.11297	11.31093	21.1989	7.57418	8.07472	8.20092
622	490336.72	3859935.12	8.96718	8.88758	22.19895	11.8428	18.72861	7.85843	8.07836	8.88758
623	490386.72	3859935.12	9.16251	9.63636	22.19992	13.08088	16.3489	8.17556	7.95091	9.63636
624	490436.72	3859935.12	9.4019	10.58597	23.47052	14.1024	14.34972	8.51154	9.24282	10.58597
625	490486.72	3859935.12	9.68508	12.13356	25.50766	14.66754	14.96371	8.88938	10.3909	12.13356
626	490536.72	3859935.12	10.0166	13.87374	25.8281	14.81531	15.41014	9.38713	11.396	13.87374
627	490586.72	3859935.12	10.36855	15.69848	25.96872	14.65185	15.63733	9.94678	12.6516	15.69848
628	490636.72	3859935.12	10.70485	17.36988	25.82011	14.26555	15.58111	10.52041	14.599	17.36988
629	490686.72	3859935.12	11.07767	19.46309	24.51717	14.83246	15.37901	11.22018	16.93	19.46309
630	490736.72	3859935.12	11.43435	21.58254	21.62938	17.79719	15.74441	11.98651	19.2262	21.58254
631	490086.72	3859985.12	8.46128	5.24854	17.77913	10.62434	30.81375	7.19263	6.28856	5.24854
632	490136.72	3859985.12	8.44321	5.67369	19.12513	10.65968	29.19489	6.86546	6.79277	5.67369
633	490186.72	3859985.12	8.4516	6.12446	21.93981	10.62753	27.31814	6.5119	7.19404	6.12446
634	490236.72	3859985.12	8.4863	6.60763	20.12868	10.5808	25.22039	6.43436	7.48907	6.60763
635	490286.72	3859985.12	8.53687	7.11631	20.2059	10.47394	22.88953	6.6468	7.66219	7.11631
636	490336.72	3859985.12	8.61717	7.6686	21.76882	10.88221	20.48591	6.86929	7.74752	7.6686
637	490386.72	3859985.12	8.72509	8.25302	20.96778	11.36747	18.04993	7.09219	7.70884	8.25302
638	490436.72	3859985.12	8.87853	8.88355	20.36404	12.40518	15.73114	7.34127	7.55779	8.88355
639	490486.72	3859985.12	9.0758	9.5056	21.55392	13.38876	13.99308	7.61759	8.14185	9.5056
640	490536.72	3859985.12	9.31853	10.62232	24.09323	13.99326	14.62944	7.94389	9.27025	10.62232
641	490586.72	3859985.12	9.596	12.09635	25.15525	14.15806	15.06445	8.3223	10.2353	12.09635
642	490636.72	3859985.12	9.89662	13.64103	24.65035	13.98032	15.29252	8.75005	11.0179	13.64103
643	490686.72	3859985.12	10.22462	15.32823	24.77719	13.80207	15.34439	9.18177	12.4669	15.32823
644	490736.72	3859985.12	10.50997	16.75816	24.04529	13.36766	15.07598	9.67173	14.1418	16.75816
645	490786.72	3859985.12	10.78925	18.22408	22.01209	15.3321	15.27748	10.2262	15.8225	18.22408

171.803711	1.765587638	0.0002546	0.481319	8.586361	1.00308	6.82688	6.5003873	183.9668
169.483412	1.784161023	0.0002546	0.572047	8.070625	0.95358	6.898565	6.56876917	181.1939
174.15705	1.644750378	0.0002228	0.383346	8.928161	1.15632	6.362673	6.05549916	186.577
172.61853	1.66743718	0.0002147	0.404436	8.949508	1.1122	6.450898	6.13902546	185.0642
159.460558	1.732936826	0.0002378	1.188855	6.431498	0.86441	6.708821	6.38017637	170.0071
156.719972	1.755574122	0.0002538	2.197015	5.646712	0.83005	6.796235	6.46352041	167.4823
171.574483	1.55774305	0.0002146	0.3738	8.775392	1.14204	6.02925	5.73516314	183.7178
169.967932	1.580942904	0.0002155	0.39092	8.803951	1.10531	6.11908	5.82057835	182.1478
158.048452	1.63491688	0.0002404	1.190584	6.581727	0.88042	6.331665	6.01929505	168.6487
155.35209	1.661114038	0.0002465	2.204257	5.805053	0.84098	6.43201	6.11574547	166.18
169.204418	1.44853497	0.0002035	0.365805	8.630517	1.12501	5.606237	5.33309031	181.0476
167.631524	1.477171375	0.0002219	0.390579	8.689064	1.09665	5.717943	5.43852134	179.5646
166.721073	1.329605903	0.0002061	0.369018	8.443806	1.10191	5.14443	4.89522759	178.2148
165.411371	1.356122594	0.0002238	0.395099	8.564088	1.08288	5.248021	4.99285444	177.065
91.4472605	4.583823079	0.0005033	0.563254	6.283303	0.85489	14.51681	16.8763219	101.3735
93.192333	4.942180939	0.0004886	0.538703	6.216805	0.88069	14.97913	18.1956928	102.5546
94.9121638	5.283401059	0.0004939	0.549437	6.320942	0.98502	16.19544	19.4519674	104.7949
96.6640085	5.586412303	0.0004891	0.631416	6.330036	1.0923	17.67594	20.5675679	107.413
87.0081867	3.798961447	0.0005044	0.566355	6.258599	0.77333	12.81383	13.9866865	97.23308
88.7313009	4.179254532	0.0004986	0.54974	6.184266	0.78866	13.61695	15.3868165	98.66385
90.2184142	4.501118188	0.0004755	0.524045	6.074383	0.80717	14.07075	16.5718262	99.62453
91.7011153	4.80322034	0.0004837	0.498243	6.170653	0.89555	14.38002	17.6840797	100.7652
83.2795781	3.335387412	0.0004658	0.566004	6.139558	0.74097	10.9276	12.2799398	92.70963
84.7130269	3.459843039	0.0004848	0.552362	6.149491	0.73364	11.90721	12.7381498	94.77791
86.080498	3.783758904	0.0004831	0.531798	6.061061	0.72045	12.63184	13.9307151	95.87917
87.466644	4.095964581	0.0004651	0.508706	5.923264	0.73826	13.16896	15.0801668	96.82209
80.1885823	3.063393315	0.0004042	0.550041	5.929328	0.7153	10.02306	11.2785356	89.19158
81.2098504	3.166962323	0.0004364	0.547234	6.008342	0.71493	10.42379	11.659847	90.4117
82.3631764	3.243987638	0.0004569	0.533339	6.008503	0.70501	10.92025	11.9434321	91.83129
83.6088506	3.425981604	0.0004631	0.513505	5.932815	0.68771	11.68193	12.6134817	93.23777
88.2099442	2.712933757	0.000509	0.573748	13.89906	0.9386	12.27803	9.988244	108.6246
88.3425151	2.928897169	0.000589	0.572059	13.00849	0.94219	12.97626	10.7833593	107.9876
88.7471027	3.160517669	0.0005297	0.568402	11.99994	0.9752	13.46212	11.6361196	107.2777
89.4687523	3.413510838	0.0005489	0.56514	10.91415	1.01085	13.77639	12.5675679	106.5818
90.525831	3.690788471	0.0005863	0.585922	9.77588	1.04785	13.94109	13.5884246	105.9795
92.0114052	3.999816826	0.0005631	0.613474	8.636705	1.08718	13.94737	14.7261784	105.5703
94.0156683	4.336802016	0.0005632	0.677608	7.539301	1.13105	13.72733	15.9668612	105.4615
96.4720269	4.764169878	0.0005954	0.730524	6.617379	1.17753	15.95782	17.5403071	108.1797
99.3777107	5.460656044	0.0006471	0.759799	6.90052	1.2298	17.93996	20.1045694	111.5645
102.779407	6.243816504	0.0006552	0.767454	7.106392	1.29866	19.67524	22.9879416	114.8837
106.390733	7.065032826	0.0006588	0.758986	7.21116	1.37609	21.84312	26.0114246	118.6344
109.841476	7.817239145	0.000655	0.738975	7.185234	1.45545	25.2053	28.7808325	123.4635
113.666948	8.759279226	0.0006219	0.768342	7.092036	1.55226	29.22982	32.2491539	128.8201
117.326809	9.713128504	0.0005487	0.921919	7.26054	1.65828	33.19419	35.7609533	134.3145
86.8204121	2.362082659	0.000451	0.550356	14.20977	0.99507	10.85726	8.69651089	107.0989
86.6349975	2.553419573	0.0004852	0.552186	13.46323	0.9498	11.72779	9.40095853	106.481
86.7210865	2.756286656	0.0005566	0.550521	12.59777	0.90089	12.42058	10.1478569	105.7998
87.07714	2.973735218	0.0005106	0.5481	11.63039	0.89016	12.92996	10.9484402	105.1016
87.5960341	3.202664446	0.0005126	0.542565	10.55551	0.91955	13.22885	11.7912919	104.2544
88.4199849	3.451220164	0.0005522	0.563714	9.447085	0.95033	13.37617	12.7064028	103.5027
89.5273421	3.71423585	0.0005319	0.588851	8.323732	0.98117	13.30939	13.6747511	102.7705
91.1017757	3.998003142	0.0005166	0.642606	7.254421	1.01563	13.0486	14.7195009	102.3421
93.125945	4.277954046	0.0005468	0.693556	6.452914	1.05386	14.05699	15.7501998	103.9116
95.6165751	4.780529037	0.0006112	0.72487	6.746372	1.099	16.00518	17.6005368	107.3726
98.4636691	5.443909845	0.0006381	0.733407	6.946977	1.15135	17.6713	20.0429147	110.3683
101.548303	6.139086378	0.0006253	0.7242	7.052151	1.21053	19.02259	22.6023553	113.0951
104.913881	6.898403419	0.0006285	0.714966	7.076071	1.27025	21.52423	25.3979429	117.0005
107.841831	7.541937213	0.00061	0.692463	6.952294	1.33804	24.41598	27.7672497	121.0159
110.707497	8.20166815	0.0005584	0.794224	7.045215	1.41474	27.31762	30.1961898	125.2853

646	490086.72	3860035.12	8.36438	4.55763	20.46936	10.12459	31.15012	7.38546	5.75709	4.55763
647	490136.72	3860035.12	8.32411	4.9464	15.45887	10.26908	29.91481	7.16473	6.01809	4.9464
648	490186.72	3860035.12	8.30337	5.35023	19.36542	10.28697	28.32275	6.89355	6.50711	5.35023
649	490236.72	3860035.12	8.30194	5.77131	20.3121	10.22577	26.43743	6.58625	6.89331	5.77131
650	490286.72	3860035.12	8.31661	6.20931	18.80002	10.10783	24.30023	6.25701	7.16179	6.20931
651	490336.72	3860035.12	8.36195	6.68472	18.68303	10.01536	22.08793	6.23055	7.3509	6.68472
652	490386.72	3860035.12	8.41751	7.17092	20.17162	10.45504	19.71296	6.31631	7.40901	7.17092
653	490436.72	3860035.12	8.50762	7.69906	19.6797	10.92226	17.38907	6.45786	7.37755	7.69906
654	490486.72	3860035.12	8.63378	8.25877	18.74315	11.80184	15.16216	6.6713	7.23698	8.25877
655	490536.72	3860035.12	8.80227	8.83353	19.83914	12.77003	13.67194	6.90987	7.23707	8.83353
656	490586.72	3860035.12	9.00181	9.35827	22.44794	13.35386	14.29097	7.16698	8.28064	9.35827
657	490636.72	3860035.12	9.21823	10.5403	23.71333	13.46028	14.67207	7.43499	9.12891	10.5403
658	490686.72	3860035.12	9.47398	11.85206	23.86876	13.27993	14.89712	7.76741	9.88395	11.85206
659	490736.72	3860035.12	9.76574	13.32154	23.16682	13.12967	14.9726	8.16977	10.5972	13.32154
660	490786.72	3860035.12	10.01494	14.54252	22.42162	12.69312	14.73241	8.54838	11.8564	14.54252
661	490836.72	3860035.12	10.254	15.70209	21.4256	13.22415	14.80516	8.96578	13.2419	15.70209
662	490086.72	3860085.12	8.31626	4.12926	21.54733	9.65536	31.39773	7.99845	5.2968	4.12926
663	490136.72	3860085.12	8.23557	4.29618	17.09264	9.82992	30.30741	7.33781	5.56218	4.29618
664	490186.72	3860085.12	8.20235	4.67058	15.16182	9.96893	29.13506	7.08163	5.78176	4.67058
665	490236.72	3860085.12	8.17448	5.05271	19.05461	9.95056	27.50886	6.87006	6.24892	5.05271
666	490286.72	3860085.12	8.16347	5.44787	18.67149	9.85807	25.60808	6.61351	6.61933	5.44787
667	490336.72	3860085.12	8.16663	5.85448	17.68345	9.70727	23.48344	6.32377	6.87874	5.85448
668	490386.72	3860085.12	8.19105	6.28209	17.29806	9.53272	21.25876	6.01543	7.04196	6.28209
669	490436.72	3860085.12	8.23801	6.73313	18.77772	10.06404	18.9939	5.97332	7.11134	6.73313
670	490486.72	3860085.12	8.30846	7.20621	18.391	10.50224	16.7426	6.01605	7.07437	7.20621
671	490536.72	3860085.12	8.41683	7.71974	17.54142	11.24848	14.62187	6.10894	6.95802	7.71974
672	490586.72	3860085.12	8.55513	8.2307	18.18508	12.17024	13.3422	6.296	6.74389	8.2307
673	490636.72	3860085.12	8.71591	8.67578	20.66632	12.72081	13.93225	6.5006	7.38471	8.67578
674	490686.72	3860085.12	8.9123	9.35377	22.42631	12.9206	14.35342	6.73436	8.25992	9.35377
675	490736.72	3860085.12	9.13452	10.51399	23.14289	12.79085	14.58288	6.99788	9.01412	10.51399
676	490786.72	3860085.12	9.36736	11.68584	22.68016	12.51102	14.60619	7.2868	9.61213	11.68584
677	490836.72	3860085.12	9.58367	12.73791	20.93098	12.06849	14.3803	7.56441	10.0111	12.73791
678	490086.72	3860135.12	8.21403	3.92021	18.88922	8.97733	30.69086	7.54967	4.75302	3.92021
679	490136.72	3860135.12	8.15722	4.02495	18.65613	9.32978	30.32759	7.42906	5.10965	4.02495
680	490186.72	3860135.12	8.11094	4.17762	13.73977	9.55587	29.51786	7.25272	5.38368	4.17762
681	490236.72	3860135.12	8.06698	4.40501	15.40232	9.61391	28.21517	7.03083	5.55232	4.40501
682	490286.72	3860135.12	8.03944	4.76843	18.0952	9.58164	26.61895	6.79804	5.99121	4.76843
683	490336.72	3860135.12	8.02491	5.14217	16.93242	9.47658	24.75125	6.59251	6.35214	5.14217
684	490386.72	3860135.12	8.02221	5.5252	16.54719	9.31171	22.67603	6.34724	6.60915	5.5252
685	490436.72	3860135.12	8.03463	5.91916	16.14973	9.09718	20.48665	6.07341	6.76423	5.91916
686	490486.72	3860135.12	8.0707	6.33646	17.48486	9.69604	18.29756	5.78653	6.83515	6.33646
687	490536.72	3860135.12	8.13585	6.78658	17.32009	10.13305	16.17358	5.7311	6.82828	6.78658
688	490586.72	3860135.12	8.22196	7.24701	16.79291	10.73904	14.10789	5.82187	6.71117	7.24701
689	490636.72	3860135.12	8.3331	7.70119	16.69188	11.61025	13.01982	5.92222	6.5002	7.70119
690	490686.72	3860135.12	8.46871	8.1163	19.05535	12.16042	13.60099	6.03293	6.62432	8.1163
691	490736.72	3860135.12	8.63265	8.4773	20.90112	12.37017	14.01151	6.18537	7.4487	8.4773
692	490786.72	3860135.12	8.8257	9.33653	21.97782	12.28566	14.24546	6.40835	8.18969	9.33653
693	490836.72	3860135.12	9.01332	10.3057	21.79014	11.92025	14.23643	6.57444	8.72441	10.3057
694	490086.72	3860185.12	8.11316	4.07823	16.06961	8.38287	29.95138	7.3329	4.51528	4.07823
695	490136.72	3860185.12	8.07094	4.08388	18.54617	8.80582	30.04142	7.32737	4.61634	4.08388
696	490186.72	3860185.12	8.02528	4.07827	16.01311	9.11004	29.60891	7.25877	4.95536	4.07827
697	490236.72	3860185.12	7.97725	4.08281	11.9929	9.26183	28.67583	7.13193	5.21061	4.08281
698	490286.72	3860185.12	7.93755	4.27781	15.46925	9.29328	27.36754	6.95504	5.37457	4.27781
699	490336.72	3860185.12	7.90681	4.50225	16.94742	9.22672	25.75195	6.73835	5.74974	4.50225
700	490386.72	3860185.12	7.88791	4.85506	15.26855	9.09709	23.89694	6.52587	6.09667	4.85506
701	490436.72	3860185.12	7.88234	5.21782	15.44107	8.92367	21.88246	6.32779	6.35293	5.21782
702	490486.72	3860185.12	7.89105	5.59172	15.15767	8.76102	19.77247	6.0953	6.51554	5.59172
703	490536.72	3860185.12	7.92095	5.98541	16.40568	9.36478	17.66903	5.84276	6.59679	5.98541
704	490586.72	3860185.12	7.97539	6.40467	16.28935	9.78436	15.62014	5.58164	6.59841	6.40467

85.8261301	2.051141611	0.0005193	0.524468	14.36489	1.02174	9.939674	7.55171513	106.1768
85.4129234	2.226105863	0.0003922	0.531953	13.79523	0.99121	10.39029	8.19588332	105.1522
85.2001121	2.407847803	0.0004913	0.532879	13.06105	0.95369	11.23459	8.86500502	104.5257
85.185439	2.59735303	0.0005153	0.529709	12.19163	0.91118	11.90137	9.56270892	103.7545
85.3359666	2.79447303	0.0004769	0.5236	11.20606	0.86563	12.3649	10.2884482	102.8027
85.8011961	3.008429238	0.0004739	0.51881	10.18586	0.86197	12.6914	11.0761736	101.992
86.3712921	3.227241439	0.0005117	0.541586	9.090639	0.87383	12.79173	11.8817774	101.0151
87.2959025	3.464928555	0.0004992	0.565788	8.018976	0.89341	12.73741	12.7568732	100.22
88.5904186	3.716823613	0.0004755	0.611352	6.992036	0.92294	12.49472	13.6842785	99.64449
90.3192789	3.975491858	0.0005033	0.661505	6.30482	0.95595	12.49487	14.6366208	100.0758
92.3667404	4.211648818	0.0005695	0.691749	6.590286	0.99152	14.29661	15.506083	103.643
94.587406	4.743616292	0.0006016	0.697261	6.76603	1.02859	15.76116	17.4646347	106.12
97.2116332	5.33396819	0.0006055	0.687919	6.869812	1.07458	17.06474	19.6381411	108.6051
100.205356	5.995301289	0.0005877	0.680135	6.90462	1.13025	18.29612	22.0729798	111.1394
102.762374	6.544798042	0.0005688	0.657521	6.793856	1.18263	20.47016	24.0960693	114.3158
105.215346	7.06665749	0.0005435	0.685029	6.827405	1.24037	22.86226	26.0174061	117.8802
85.3323752	1.858355551	0.0005466	0.500161	14.47907	1.10655	9.144979	6.84193215	105.5801
84.5044226	1.933477173	0.0004336	0.509204	13.97627	1.01515	9.60316	7.11850841	104.4236
84.1635553	2.101974268	0.0003846	0.516404	13.43564	0.97971	9.982267	7.73886639	103.4411
83.8775838	2.273950217	0.0004834	0.515453	12.68572	0.95044	10.78882	8.37203251	102.7204
83.7646112	2.451790261	0.0004737	0.510662	11.80918	0.91495	11.42834	9.02678855	101.8532
83.7970356	2.634783328	0.0004486	0.50285	10.8294	0.87486	11.87621	9.70051654	100.8151
84.047607	2.827227353	0.0004388	0.493808	9.803485	0.83221	12.15802	10.4090402	99.75375
84.5294592	3.030215949	0.0004764	0.521331	8.759044	0.82638	12.2778	11.156386	98.78832
85.2523402	3.243123551	0.0004665	0.544031	7.720856	0.83229	12.21397	11.9402508	97.86683
86.3643147	3.4742355	0.000445	0.582687	6.742881	0.84514	12.01309	12.7911387	97.23166
87.7833982	3.704190831	0.0004613	0.630435	6.15276	0.87102	11.64339	13.6377682	97.14789
89.4331469	3.904497154	0.0005243	0.658956	6.424862	0.89933	12.74978	14.3752387	99.69585
91.4482866	4.209623613	0.0005689	0.669305	6.619085	0.93167	14.26084	15.4986268	102.6407
93.7284655	4.731775591	0.0005871	0.662584	6.7249	0.96812	15.56297	17.4210406	104.9584
96.1176152	5.2591616	0.0005753	0.648088	6.73565	1.00809	16.59544	19.3627246	107.0019
98.3371521	5.73264114	0.000531	0.625165	6.631481	1.0465	17.28425	21.1059405	108.5518
84.2834027	1.764273505	0.0004792	0.465038	14.1531	1.04446	8.206137	6.49554904	103.4213
83.7004805	1.811411288	0.0004733	0.483296	13.98558	1.02777	8.821863	6.66909683	103.1618
83.2256057	1.880119759	0.0003485	0.495007	13.61217	1.00338	9.294978	6.92206172	102.5895
82.7745362	1.982455642	0.0003907	0.498014	13.01144	0.97268	9.586137	7.29883309	101.5268
82.4919508	2.146011237	0.000459	0.496342	12.27534	0.94048	10.34388	7.90099788	100.7935
82.3428598	2.314211302	0.0004295	0.4909	11.41405	0.91204	10.96703	8.52026228	99.92126
82.3151554	2.486592292	0.0004198	0.48236	10.45706	0.87811	11.41076	9.15491965	98.87554
82.4425958	2.663892281	0.0004097	0.471247	9.447426	0.84023	11.67851	9.80768735	97.73662
82.8127068	2.851696336	0.0004436	0.502268	8.437926	0.80054	11.80096	10.499128	96.70741
83.4812049	3.054270889	0.0004394	0.524906	7.458452	0.79287	11.78909	11.2449494	95.85629
84.3647717	3.261485414	0.000426	0.556297	6.505859	0.80543	11.5869	12.0078539	95.07332
85.5051689	3.465887153	0.0004234	0.601427	6.004095	0.81931	11.22266	12.7604025	94.85857
86.8966506	3.652705607	0.0004834	0.629927	6.272101	0.83463	11.43696	13.4482144	96.27524
88.5788238	3.815172091	0.0005302	0.640792	6.461413	0.85572	12.86026	14.0463694	99.16633
90.559692	4.201864826	0.0005575	0.636414	6.569299	0.88656	14.13958	15.4700612	101.5239
92.4848435	4.63803558	0.0005528	0.617486	6.565135	0.90954	15.06278	17.0759168	103.2025
83.2483849	1.835389721	0.0004077	0.434244	13.81209	1.01447	7.795677	6.75737855	101.3833
82.8151694	1.837932479	0.0004705	0.456154	13.85361	1.01371	7.970158	6.76674025	101.1805
82.3466563	1.835407722	0.0004062	0.471913	13.65416	1.00422	8.555479	6.75744482	101.1108
81.853825	1.83745093	0.0003042	0.479776	13.22387	0.98667	8.996171	6.76496733	100.6131
81.4464669	1.925209834	0.0003924	0.481405	12.62055	0.9622	9.27925	7.08807044	99.6274
81.1310466	2.026218082	0.0004299	0.477957	11.87552	0.93222	9.926984	7.45995384	98.91042
80.9371155	2.184998692	0.0003873	0.471242	11.02008	0.90282	10.52596	8.04453851	97.99807
80.8799622	2.348257257	0.0003917	0.462259	10.0911	0.87542	10.9684	8.64560972	96.98018
80.9693347	2.51652933	0.0003845	0.453833	9.118082	0.84325	11.24915	9.26513923	95.88542
81.2761359	2.693707806	0.0004162	0.485109	8.14808	0.80832	11.38942	9.91745957	94.88373
81.8347397	2.882393951	0.0004132	0.506844	7.203233	0.77219	11.39222	10.6121478	93.97989

705	490636.72	3860185.12	8.04138	6.81938	15.98177	10.2562	13.60208	5.59576	6.47895	6.81938	82.511857	3.069032387	0.0004054	0.531285	6.272604	0.77415	11.18597	11.299297	93.04601
706	490686.72	3860185.12	8.13687	7.24434	15.40535	11.10687	12.72043	5.70001	6.29356	7.24434	83.491671	3.260283792	0.0003908	0.575351	5.866031	0.78857	10.8659	12.0034298	92.84476
707	490736.72	3860185.12	8.2463	7.61947	17.55806	11.63573	13.27824	5.77068	6.02569	7.61947	84.6145221	3.429109421	0.0004454	0.602747	6.123265	0.79835	10.40341	12.6249974	93.34685
708	490786.72	3860185.12	8.38685	7.96565	19.43524	11.87061	13.68684	5.89445	6.73877	7.96565	86.0566927	3.584906228	0.000493	0.614914	6.311691	0.81547	11.63455	13.1985966	95.82012
709	490836.72	3860185.12	8.54371	8.3167	20.61166	11.78151	13.89624	6.0189	7.42578	8.3167	87.6662187	3.742894758	0.0005229	0.610299	6.408256	0.83269	12.82068	13.780265	98.3013
710	490086.72	3860235.12	7.97117	4.02701	13.39694	7.83417	29.02843	6.94939	4.49456	4.02701	81.7914386	1.812338382	0.0003399	0.405821	13.38647	0.96141	7.759903	6.67251013	99.44522
711	490136.72	3860235.12	7.94894	4.12385	17.08064	8.26597	29.43204	7.04732	4.37016	4.12385	81.5633387	1.855920804	0.0004333	0.428189	13.5726	0.97496	7.545126	6.83296811	99.1076
712	490186.72	3860235.12	7.91882	4.19022	16.95618	8.62778	29.38115	7.0847	4.48666	4.19022	81.2542801	1.885790334	0.0004301	0.446931	13.54913	0.98013	7.746264	6.94293915	98.92002
713	490236.72	3860235.12	7.88068	4.23963	13.12508	8.86801	28.83478	7.06038	4.80533	4.23963	80.8629291	1.90802709	0.000333	0.459375	13.29717	0.97677	8.296451	7.02480851	98.77625
714	490286.72	3860235.12	7.84148	4.27091	11.97191	8.98156	27.86373	6.97915	5.0491	4.27091	80.4607015	1.922104519	0.0003037	0.465257	12.84937	0.96553	8.717322	7.07663756	98.30395
715	490336.72	3860235.12	7.80731	4.27873	15.18973	8.98734	26.5512	6.84794	5.20817	4.27873	80.1100863	1.925623876	0.0003853	0.465557	12.2441	0.94738	8.991958	7.08959483	97.59549
716	490386.72	3860235.12	7.77918	4.36838	15.80527	8.90526	24.94557	6.67286	5.53055	4.36838	79.821447	1.965970469	0.0004009	0.461305	11.50366	0.92316	9.548551	7.23813941	96.98635
717	490436.72	3860235.12	7.76154	4.59342	13.86959	8.77033	23.13311	6.46499	5.87131	4.59342	79.6404446	2.067248745	0.0003518	0.454315	10.66784	0.8944	10.13688	7.61101698	96.25046
718	490486.72	3860235.12	7.75177	4.93723	14.47907	8.57719	21.15061	6.27092	6.12226	4.93723	79.5401955	2.221978944	0.0003673	0.44431	9.753611	0.86755	10.57014	8.18068919	95.21747
719	490536.72	3860235.12	7.75904	5.29514	14.30874	8.48308	19.11861	6.08286	6.29367	5.29514	79.6147923	2.383054787	0.000363	0.439435	8.816554	0.84153	10.86609	8.77372425	94.18809
720	490586.72	3860235.12	7.78268	5.66724	15.45402	9.05935	17.0813	5.86697	6.38107	5.66724	79.8573602	2.550516778	0.000392	0.469287	7.877048	0.81167	11.01698	9.39027127	93.19298
721	490636.72	3860235.12	7.8219	6.05089	15.27824	9.4488	15.0692	5.63128	6.37551	6.05089	80.259793	2.723176796	0.0003876	0.489461	6.949167	0.77906	11.00738	10.0259559	92.18247
722	490686.72	3860235.12	7.88042	6.44421	15.2482	9.8243	13.14185	5.38733	6.28104	6.44421	80.8602613	2.900188756	0.0003868	0.508912	6.060369	0.74531	10.84428	10.6776632	91.24204
723	490736.72	3860235.12	7.95566	6.82952	14.25124	10.63003	12.4237	5.38619	6.09907	6.82952	81.632292	3.07359585	0.0003615	0.55065	5.729194	0.74515	10.53011	11.3160984	90.94525
724	490786.72	3860235.12	8.05024	7.18971	16.24358	11.16745	12.98168	5.45925	5.85756	7.18971	82.6027686	3.235697797	0.0004121	0.57849	5.986506	0.75526	10.11314	11.9129113	91.35936
725	490086.72	3860285.12	7.76692	3.72374	11.53448	7.3065	28.06243	6.44759	4.46705	3.72374	79.6956483	1.675853034	0.0002926	0.378487	12.941	0.89199	7.712407	6.17001022	97.12567
726	490136.72	3860285.12	7.77878	3.9121	14.9013	7.74333	28.58071	6.6267	4.35076	3.9121	79.8173426	1.760623635	0.000378	0.401115	13.18	0.91677	7.511631	6.48211126	97.10576
727	490186.72	3860285.12	7.77262	4.079	16.64389	8.12757	28.85447	6.75369	4.22325	4.079	79.7541354	1.835736256	0.0004222	0.421019	13.30625	0.93434	7.291484	6.75865439	96.78473
728	490236.72	3860285.12	7.75835	4.21026	14.75646	8.44401	28.71568	6.82713	4.36314	4.21026	79.6077123	1.894809249	0.0003743	0.437412	13.24225	0.9445	7.533005	6.97614421	96.68391
729	490286.72	3860285.12	7.73062	4.32376	10.84292	8.63105	28.0794	6.84151	4.66414	4.32376	79.3231773	1.945889432	0.0002751	0.4471	12.94883	0.94649	8.052685	7.16420679	96.50024
730	490336.72	3860285.12	7.70113	4.40658	12.34063	8.70853	27.07207	6.80151	4.89695	4.40658	79.0205832	1.983162214	0.0003131	0.451114	12.48429	0.94096	8.454634	7.30143448	96.03362
731	490386.72	3860285.12	7.67637	4.45406	14.70407	8.70133	25.77411	6.71378	5.05364	4.45406	78.7665231	2.004530382	0.000373	0.450741	11.88574	0.92882	8.725161	7.38010595	95.38178
732	490436.72	3860285.12	7.65206	4.48617	14.67122	8.60231	24.17508	6.57978	5.32722	4.48617	78.5170804	2.018981348	0.0003722	0.445612	11.14835	0.91028	9.197499	7.43331026	94.80486
733	490486.72	3860285.12	7.63542	4.50003	12.77281	8.45334	22.38813	6.40883	5.6584	4.50003	78.3463389	2.025218981	0.000324	0.437895	10.32429	0.88663	9.769285	7.45627544	94.33371
734	490536.72	3860285.12	7.62482	4.69569	13.59058	8.24936	20.44862	6.20615	5.90616	4.69569	78.2375733	2.113274915	0.0003448	0.427328	9.429888	0.85859	10.19705	7.78047213	93.48357
735	490586.72	3860285.12	7.62713	5.01411	13.47062	8.21263	18.46054	6.03136	6.07481	5.01411	78.261276	2.256578455	0.0003417	0.425426	8.513085	0.83441	10.48822	8.30807467	92.47126
736	490636.72	3860285.12	7.64471	5.36449	14.50077	8.75915	16.48063	5.85324	6.16396	5.36449	78.4416628	2.414265454	0.0003679	0.453736	7.600048	0.80977	10.64214	8.88863297	91.47335
737	490686.72	3860285.12	7.67878	5.72815	14.3631	9.13627	14.54728	5.65177	6.17143	5.72815	78.7912519	2.577929059	0.0003644	0.473272	6.708483	0.78189	10.65504	9.49119543	90.49704
738	490736.72	3860285.12	7.7258	6.09432	14.47695	9.4068	12.68161	5.43226	6.08593	6.09432	79.2737197	2.742722279	0.0003672	0.487285	5.848129	0.75153	10.50742	10.0979168	89.51325
739	490786.72	3860285.12	7.79186	6.46117	13.40289	10.19624	12.14429	5.20882	5.92852	6.46117	79.9515553	2.907821531	0.00034	0.528179	5.600344	0.72061	10.23565	10.7057649	89.23874
740	490086.72	3860335.12	7.51162	3.54651	9.69135	6.81478	29.7231	5.97288	4.43069	3.54651	77.0760386	1.596091441	0.0002458	0.353015	13.70682	0.82632	7.649631	5.87635091	95.33181
741	490136.72	3860335.12	7.55675	3.42332	12.42206	7.24226	27.48689	6.11552	4.33187	3.42332	77.5391133	1.540650316	0.0003151	0.375159	12.67559	0.84605	7.479017	5.67223259	94.78366
742	490186.72	3860335.12	7.58101	3.67729	15.43956	7.63711	28.09111	6.30852	4.20871	3.67729	77.7880429	1.654948413	0.0003917	0.395613	12.95423	0.87275	7.26638	6.0930454	94.83931
743	490236.72	3860335.12	7.595	3.90308	15.38738	7.99665	28.31342	6.46007	4.0921	3.90308	77.931593	1.756564223	0.0003903	0.414238	13.05674	0.89372	7.065052	6.46716567	94.65113
744	490286.72	3860335.12	7.58997	4.11523	12.3891	8.2508	28.03239	6.55968	4.24444	4.11523	77.8799807	1.85204141	0.0003143	0.427403	12.92715	0.9075	7.328069	6.81868529	94.50377
745	490336.72	3860335.12	7.57597	4.29793	9.65967	8.40104	27.34694	6.60805	4.53158	4.29793	77.736328	1.934264753	0.000245	0.435186	12.61105	0.91419	7.823819	7.12140806	94.33368
746	490386.72	3860335.12	7.55895	4.44433	12.4589	8.45546	26.32787	6.6064	4.75622	4.44433	77.5616873	2.000151437	0.0003161	0.438005	12.14111	0.91396	8.211662	7.36398393	93.90291
747	490436.72	3860335.12	7.5404	4.56114	14.04296	8.41893	25.00285	6.55585	4.90657	4.56114	77.3713475	2.052721271	0.0003562	0.436112	11.53007	0.90697	8.471243	7.55753098	93.21129
748	490486.72	3860335.12	7.52212	4.65148	13.55403	8.30697	23.42165	6.45963	5.13461	4.65148	77.1837781	2.093378396	0.0003438	0.430313	10.8009	0.89366	8.864956	7.70721886	92.56011
749	490536.72	3860335.12	7.51068	4.70445	12.20411	8.15693	21.67976	6.32745	5.46061	4.70445	77.0663933	2.117217315	0.0003096	0.42254	9.997629	0.87537	9.427799	7.79498692	92.11227
750	490586.72	3860335.12	7.50094	4.73716	12.78601	7.94457	19.78383	6.15899	5.70551	4.73716	76.9664521	2.131938309	0.0003244	0.41154	9.12332	0.85207	9.850621	7.8491854	91.48708
751	490636.72	3860335.12	7.50336	4.8013	12.75354	7.96514	17.85653	5.96938	5.87834	4.8013	76.9912835	2.160804237	0.0003235	0.412605	8.234545	0.82583	10.14901	7.95546147	90.81895
752	490686.72	3860335.12	7.51703	5.08974	13.6918	8.48601	15.93226	5.8116	5.97154	5.08974	77.1315501	2.290615408	0.0003473	0.439587	7.347167	0.80401	10.30992	8.43338897	89.88981
753	490736.72	3860335.12	7.5434	5.43121	13.53034	8.84344	14.05099	5.64203	5.98212	5.43121	77.4021302	2.4442925	0.0003432	0.458103	6.479619	0.78055	10.32819	8.99918394	88.89404
754	490786.72	3860335.12	7.58915	5.78674	13.8311	9.04157	12.27549	5.45626	5.92455	5.78674	77.8715667	2.604297235	0.0003509	0.468366	5.660847	0.75485	10.2288	9.58827548	88.00079
755	490086.72	3860385.12	7.23271	4.27935	8.3059	6.37038	31.29252	6.00739	4.38646	4.27935	74.2141688	1.925902904	0.0002107	0.329995	14.43056	0.83109	7.573268	7.09062213	92.21457
756	490136.72	3860385.12	7.29862	4.06884	10.5329	6.77579	28.24389	5.88081	4.309	4.06884	74.8904652	1.831163792	0.0002672	0.350995	13.02468	0.81358	7.439532	6.74181989	91.60887
757	490186.72	3860385.12	7.34618	3.87176	13.63009	7.15788	27.07818	5.79513	4.19429	3.87176	75.378474	1.742468793	0.0003458	0.370788	12.48711	0.80173	7.241484	6.41527034	91.60713
758	490236.72	3860385.12	7.38517	3.67783	15.02253	7.53041	27.60758	5.99887	4.07725	3.67783	75.7785468	1.655191437	0.0003811	0.390086	12.73125	0.82991	7.039413	6.09394015	92.33084
759	490286.72	3860385.12	7.40735	3.60794	13.51766	7.83476	27.68403	6.16456	3.95356	3.60794	76.0061337	1.623737746	0.0003429	0.405852	12.7665	0.85284	6.825861	5.97813668	92.50313
760	490336.72	3860385.12	7.41765	3.88321	11.05252	8.05626	27.35105	6.2877	4.13171	3.88321	76.1118211	1.747621816	0.0002804	0.417326	12.61295	0.86987	7.133439	6.43424229	92.45906
761	490386.72	3860385.12	7.41751	4.13713	9.79417	8.17718	26.63584	6.3645	4.40665	4.13713	76.1103846	1.86189741	0.0002485	0.423589	12.28313	0.8805	7.608126	6.85497226	92.3129
762	490436.72	3860385.12	7.4115	4.36093	12.33841	8.20522	25.59084	6.3948	4.62218	4.36093	76.0487165	1.962617629	0.000313	0.425042	11.80123	0.88469	7.980241	7.22579522	91.87705
763	490486.72	3860385.12	7.40372	4.55176	13.3396	8.15891	24.2811	6.38091	4.77013	4.55176	75.9688866	2.048499843	0.0003384	0.422643	11.19724	0.88277	8.235678	7.5419889	91.21406

764	490536.72	3860385.12	7.39382	4.7067	12.5448	8.04142	22.72436	6.32191	4.95967	4.7067
765	490586.72	3860385.12	7.38497	4.8262	11.64342	7.87318	20.99663	6.22358	5.27429	4.8262
766	490636.72	3860385.12	7.37877	4.90932	12.05544	7.6604	19.15158	6.08947	5.51831	4.90932
767	490686.72	3860385.12	7.38324	4.94833	12.11229	7.73398	17.28638	5.93109	5.69618	4.94833
768	490736.72	3860385.12	7.392	4.94572	12.93992	8.22609	15.40073	5.74821	5.7876	4.94572
769	490786.72	3860385.12	7.41395	5.15615	12.81261	8.56859	13.5782	5.60342	5.80531	5.15615
770	490136.72	3860435.12	7.02458	4.91006	9.0492	6.33048	29.74742	5.8596	4.90749	4.91006
771	490186.72	3860435.12	7.08973	4.68754	11.61953	6.7123	26.74311	5.77136	4.68341	4.68754
772	490236.72	3860435.12	7.14533	4.4666	13.99298	7.07977	26.69525	5.61344	4.46111	4.4666
773	490286.72	3860435.12	7.18986	4.24922	13.89005	7.41052	27.09182	5.69916	4.24255	4.24922
774	490336.72	3860435.12	7.2207	4.03954	11.79866	7.67224	27.06003	5.87342	4.03185	4.03954
775	490386.72	3860435.12	7.24355	3.84569	9.965	7.8623	26.68192	6.0144	4.02441	3.84569
776	490436.72	3860435.12	7.25599	3.83089	10.0864	7.95798	25.93653	6.11524	4.28811	3.83089
777	490486.72	3860435.12	7.26118	4.12767	12.06446	7.96513	24.8794	6.1736	4.49586	4.12767
778	490536.72	3860435.12	7.26267	4.39471	12.57993	7.90312	23.56716	6.19097	4.63996	4.39471
779	490586.72	3860435.12	7.25899	4.63493	11.55367	7.76953	22.0187	6.16401	4.7891	4.63493
780	490636.72	3860435.12	7.25439	4.83179	11.06591	7.58679	20.31312	6.09571	5.09283	4.83179
781	490686.72	3860435.12	7.25473	4.97791	11.36561	7.38373	18.53246	5.99571	5.33856	4.97791
782	490736.72	3860435.12	7.26208	5.0795	11.50247	7.51154	16.72577	5.86895	5.51959	5.0795
783	490786.72	3860435.12	7.271	5.13912	12.26771	7.98336	14.89965	5.71341	5.61696	5.13912
784	490136.72	3860485.12	6.77194	5.78309	7.7267	5.944	31.24629	5.69207	5.78733	5.78309
785	490186.72	3860485.12	6.83271	5.58236	9.59632	6.29531	28.30415	5.70585	5.58436	5.58236
786	490236.72	3860485.12	6.89197	5.37011	12.49622	6.6446	25.57403	5.64966	5.36968	5.37011
787	490286.72	3860485.12	6.95089	5.14388	13.58065	6.99083	26.28182	5.52978	5.14206	5.14388
788	490336.72	3860485.12	6.99894	4.91625	12.38824	7.2845	26.56218	5.41121	4.9124	4.91625
789	490386.72	3860485.12	7.04125	4.68221	11.02724	7.52658	26.50138	5.5949	4.67738	4.68221
790	490436.72	3860485.12	7.07698	4.44595	8.87094	7.70031	26.10643	5.75214	4.43936	4.44595
791	490486.72	3860485.12	7.09738	4.28318	10.24382	7.76132	25.30081	5.8692	4.27607	4.28318
792	490536.72	3860485.12	7.10955	4.16847	11.69104	7.73704	24.1963	5.9482	4.37699	4.16847
793	490586.72	3860485.12	7.11674	4.0814	11.78652	7.64606	22.85448	5.98718	4.51416	4.0814
794	490636.72	3860485.12	7.12345	4.39168	10.65225	7.51475	21.34846	5.99107	4.63021	4.39168
795	490686.72	3860485.12	7.12433	4.67795	10.53717	7.32314	19.66901	5.9521	4.92494	4.67795
796	490736.72	3860485.12	7.13011	4.91058	10.732	7.12217	17.93822	5.88362	5.16876	4.91058
797	490786.72	3860485.12	7.13774	5.09954	10.91159	7.29474	16.16836	5.78343	5.34568	5.09954
798	490136.72	3860535.12	6.54991	6.52969	7.82674	5.5835	32.57159	5.40374	6.54389	6.52969
799	490186.72	3860535.12	6.60376	6.3921	8.52166	5.93289	29.88503	5.50984	6.40305	6.3921
800	490236.72	3860535.12	6.65026	6.24144	10.83966	6.24541	26.86807	5.5441	6.24962	6.24144
801	490286.72	3860535.12	6.7062	6.06258	12.68387	6.57458	25.24342	5.51847	6.06776	6.06258
802	490336.72	3860535.12	6.76436	5.85998	12.63719	6.894	25.84662	5.43229	5.8627	5.85998
803	490386.72	3860535.12	6.82111	5.6372	11.56151	7.18024	26.11545	5.28949	5.63811	5.6372
804	490436.72	3860535.12	6.87067	5.40106	10.11635	7.39981	26.00735	5.33214	5.40045	5.40106
805	490486.72	3860535.12	6.91078	5.15777	8.22726	7.53417	25.52465	5.49478	5.15548	5.15777
806	490536.72	3860535.12	6.95351	4.89836	10.42854	7.62891	24.83578	5.63821	4.89354	4.89836
807	490586.72	3860535.12	6.9593	4.80971	11.27176	7.52701	23.55656	5.72103	4.79794	4.80971
808	490636.72	3860535.12	6.97396	4.63413	11.06626	7.42007	22.20935	5.78122	4.61732	4.63413
809	490686.72	3860535.12	6.9869	4.45952	9.8322	7.2747	20.7086	5.80882	4.48159	4.45952
810	490736.72	3860535.12	6.9945	4.34801	10.05165	7.07983	19.06255	5.79726	4.7691	4.34801
811	490786.72	3860535.12	7.00533	4.67453	10.15699	6.87865	17.37297	5.75701	5.00953	4.67453
812	490136.72	3860585.12	6.37491	6.95497	8.61519	5.56506	33.87794	5.03939	6.98239	6.95497
813	490186.72	3860585.12	6.38476	6.94482	7.2923	5.52128	30.90043	5.19062	6.96878	6.94482
814	490236.72	3860585.12	6.42798	6.88819	9.06402	5.85399	28.23597	5.31267	6.90833	6.88819
815	490286.72	3860585.12	6.47932	6.8005	11.48374	6.1893	25.47635	5.37795	6.81672	6.8005
816	490336.72	3860585.12	6.53327	6.68365	12.3338	6.50723	24.92333	5.38161	6.69668	6.68365
817	490386.72	3860585.12	6.58875	6.53614	11.49394	6.79833	25.42076	5.32553	6.54626	6.53614
818	490436.72	3860585.12	6.65589	6.34934	10.96651	7.09313	25.73307	5.22212	6.35603	6.34934
819	490486.72	3860585.12	6.71808	6.13697	9.22917	7.31883	25.66385	5.09215	6.14088	6.13697
820	490536.72	3860585.12	6.75778	5.91755	8.61065	7.4094	25.06576	5.25524	5.91852	5.91755
821	490586.72	3860585.12	6.77317	5.87257	10.05288	7.34656	23.97947	5.37431	5.85803	5.87257
822	490636.72	3860585.12	6.8043	5.65077	10.74834	7.30209	22.88539	5.48785	5.6515	5.65077

75.8673037	2.118229918	0.0003182	0.416557	10.47935	0.87461	8.562921	7.79871503	90.52057
75.7764946	2.172010374	0.0002954	0.407842	9.682603	0.861	9.106115	7.99671925	90.00964
75.712877	2.20941817	0.0003058	0.396819	8.831758	0.84245	9.527418	8.13444402	89.3866
75.7587432	2.226974451	0.0003073	0.400631	7.97162	0.82054	9.834513	8.19908121	88.81424
75.8486288	2.225799832	0.0003283	0.426123	7.102052	0.79524	9.99235	8.1947566	88.19576
76.0738557	2.320502941	0.000325	0.443865	6.261592	0.77521	10.02293	8.54342629	87.35485
72.0785661	2.209751204	0.0002296	0.327928	13.71803	0.81065	8.472831	8.13567016	89.48232
72.7470643	2.109607043	0.0002948	0.347707	12.33259	0.79844	8.085955	7.76696808	88.65469
73.3175707	2.010173954	0.000355	0.366742	12.31052	0.77659	7.702152	7.40088397	89.08323
73.7744889	1.912343028	0.0003524	0.383875	12.4934	0.78845	7.324806	7.04069855	89.63702
74.0909353	1.817977454	0.0002993	0.397433	12.47874	0.81256	6.96103	6.69327157	89.8657
74.3253971	1.730736102	0.0002528	0.407278	12.30438	0.83206	6.948185	6.37207394	90.17621
74.4530428	1.724075426	0.0002559	0.412234	11.96064	0.84601	7.403465	6.34755124	90.45218
74.5062969	1.857639978	0.000306	0.412605	11.47314	0.85409	7.762148	6.83929761	90.02693
74.5215856	1.977820172	0.0003191	0.409393	10.868	0.85649	8.010938	7.28176662	89.36278
74.4838255	2.085930141	0.0002931	0.402473	10.15393	0.85276	8.26843	7.67979652	88.56785
74.4366253	2.17452613	0.0002807	0.393006	9.367403	0.84331	8.792823	8.00598154	88.00199
74.440114	2.240286802	0.0002883	0.382488	8.546251	0.82948	9.217078	8.24809347	87.40789
74.5155317	2.286006941	0.0002918	0.389108	7.713095	0.81194	9.529628	8.41642191	86.82918
74.607059	2.312838663	0.0003112	0.413549	6.870979	0.79042	9.697738	8.51520862	86.17769
69.4862504	2.602654568	0.000196	0.307907	14.40924	0.78747	9.991884	9.58222766	88.00337
70.1098058	2.512316902	0.0002434	0.326106	13.05247	0.78938	9.641454	9.24963028	87.18214
70.7178672	2.416794711	0.000317	0.3442	11.79347	0.7816	9.270807	8.89794497	86.42712
71.3224399	2.31498088	0.0003445	0.362135	12.11987	0.76502	8.877819	8.52309565	87.23951
71.8154765	2.212536986	0.0003143	0.377347	12.24916	0.74861	8.481308	8.14592661	87.73883
72.2496155	2.1072083	0.0002797	0.389887	12.22112	0.77403	8.075544	7.75813659	88.05955
72.6162377	2.000880511	0.000225	0.398887	12.03899	0.79578	7.6646	7.36666817	88.14893
72.8255602	1.927626579	0.0002599	0.402047	11.66748	0.81198	7.382678	7.09696821	87.92066
72.9504355	1.876001841	0.0002966	0.400789	11.15813	0.8229	7.556918	6.90690073	87.85858
73.0242114	1.836816365	0.000299	0.396077	10.53935	0.8283	7.793743	6.76263104	87.65616
73.0930621	1.976456533	0.0002702	0.389275	9.84485	0.82884	7.994105	7.27674609	86.85011
73.1020917	2.105291105	0.0002673	0.379349	9.070371	0.82344	8.502959	7.75107803	86.23269
73.1613997	2.209985227	0.0002722	0.368938	8.272217	0.81397	8.923917	8.13653177	85.61417
73.2396904	2.295025856	0.0002768	0.377878	7.456045	0.80011	9.229371	8.44962697	84.94877
67.2080211	2.938658659	0.0001985	0.289233	15.0204	0.74758	11.29809	10.8192984	86.68289
67.760571	2.876736877	0.0002162	0.307332	13.78149	0.76226	11.05493	10.5913201	85.95222
68.2377032	2.808932997	0.000275	0.323521	12.39022	0.767	10.79003	10.3416857	84.976
68.8116984	2.72843783	0.0003218	0.340572	11.64101	0.76345	10.47605	10.0453256	84.71622
69.4084728	2.637258579	0.0003206	0.357119	11.91918	0.75153	10.12201	9.7096297	85.48626
69.9907793	2.536997406	0.0002933	0.371946	12.04315	0.73178	9.734254	9.34049682	86.0687
70.4993099	2.430723624	0.0002566	0.38332	11.9933	0.73768	9.323932	8.94922723	86.41929
70.9108749	2.321232015	0.0002087	0.390281	11.7707	0.76018	8.900988	8.54611053	86.50835
71.3493234	2.204485669	0.0002645	0.395188	11.45303	0.78002	8.448746	8.11628397	86.51477
71.4087341	2.164589121	0.0002859	0.38991	10.86312	0.79148	8.283692	7.96939632	85.93241
71.559159	2.085570104	0.0002807	0.38437	10.24185	0.7998	7.97185	7.67847097	85.36441
71.6919351	2.006987631	0.0002494	0.37684	9.549778	0.80362	7.737511	7.38915284	84.77777
71.769918	1.956803039	0.000255	0.366745	8.790702	0.80202	8.233899	7.20438756	84.71596
71.8810437	2.103751949	0.0002577	0.356324	8.011551	0.79645	8.649004	7.7454113	84.05298
65.4123623	3.130054079	0.0002185	0.288278	15.62282	0.69717	12.05517	11.5239614	85.68212
65.5134323	3.125486115	0.000185	0.28601	14.24974	0.7181	12.03167	11.5071435	84.41748
65.9569087	3.100000029	0.0002299	0.303245	13.02103	0.73498	11.9273	11.413311	83.63038
66.4837037	3.060535525	0.0002913	0.320614	11.74843	0.74401	11.76914	11.268014	82.85871
67.0372796	3.007947689	0.0003129	0.337084	11.4934	0.74452	11.56189	11.0744007	83.10803
67.6065548	2.941561454	0.0002916	0.352163	11.72279	0.73676	11.30218	10.8299856	83.83232
68.2954721	2.857492924	0.0002782	0.367434	11.86681	0.72245	10.97375	10.5204694	84.56323
68.933598	2.761916727	0.0002341	0.379126	11.83489	0.70447	10.60229	10.1685852	85.04795
69.340956	2.663167708	0.0002184	0.383817	11.55908	0.72704	10.21838	9.80501968	85.08765
69.4988714	2.642924654	0.000255	0.380562	11.05814	0.74351	10.11395	9.73049056	84.70772
69.8182934	2.543104526	0.0002727	0.378258	10.55361	0.75922	9.757372	9.36298148	84.44714

823	490686.72	3860585.12	6.8283	5.43659	10.34781	7.19309	21.56247	5.56886	5.43079	5.43659
824	490736.72	3860585.12	6.84792	5.21618	9.06897	7.03867	20.08054	5.61746	5.207	5.21618
825	490786.72	3860585.12	6.86204	4.99892	9.57989	6.84182	18.46812	5.63011	4.99719	4.99892
826	490136.72	3860635.12	6.24484	6.92998	9.37506	5.6166	35.1618	4.63495	6.97245	6.92998
827	490186.72	3860635.12	6.23729	7.03731	7.4347	5.32635	32.43711	4.8342	7.07631	7.03731
828	490236.72	3860635.12	6.24567	7.11653	7.74795	5.51141	29.59174	4.99769	7.15171	7.11653
829	490286.72	3860635.12	6.27614	7.15908	10.0328	5.81381	26.85589	5.1269	7.19038	7.15908
830	490336.72	3860635.12	6.3202	7.19279	11.58634	6.13111	24.15456	5.2103	7.21406	7.19279
831	490386.72	3860635.12	6.3707	7.21373	11.57257	6.43574	24.59031	5.23919	7.23034	7.21373
832	490436.72	3860635.12	6.4234	7.20935	11.1651	6.70286	25.00301	5.21021	7.2237	7.20935
833	490486.72	3860635.12	6.47867	7.15491	10.02949	6.92929	25.10157	5.12873	7.16475	7.15491
834	490536.72	3860635.12	6.53659	7.03254	8.06358	7.10928	24.91951	5.00037	7.03917	7.03254
835	490586.72	3860635.12	6.57708	6.95833	8.54632	7.16123	24.25658	4.99443	6.95646	6.95833
836	490636.72	3860635.12	6.62029	6.79657	9.87748	7.17212	23.40571	5.14265	6.79984	6.79657
837	490686.72	3860635.12	6.65554	6.61636	10.25927	7.10689	22.28419	5.26446	6.61447	6.61636
838	490736.72	3860635.12	6.68206	6.4025	9.65655	6.9707	20.93043	5.35438	6.4005	6.4025
839	490786.72	3860635.12	6.70806	6.16977	8.50992	6.81147	19.47156	5.42126	6.14613	6.16977
840	490136.72	3860685.12	6.13029	6.45072	9.72697	5.60013	35.8792	4.21419	6.50662	6.45072
841	490186.72	3860685.12	6.12784	6.64595	7.565	5.40785	33.92806	4.44188	6.69959	6.64595
842	490236.72	3860685.12	6.11048	6.84084	7.30768	5.23557	31.0841	4.63909	6.89164	6.84084
843	490286.72	3860685.12	6.10572	7.01627	8.54389	5.46333	28.12994	4.79899	7.06396	7.01627
844	490336.72	3860685.12	6.13642	7.15155	10.56951	5.77958	25.57161	4.94596	7.19548	7.15155
845	490386.72	3860685.12	6.17389	7.32832	11.28841	6.08052	23.58374	5.04443	7.36709	7.32832
846	490436.72	3860685.12	6.21537	7.49974	11.00163	6.34948	24.20754	5.08925	7.53212	7.49974
847	490486.72	3860685.12	6.26186	7.6336	10.55353	6.58295	24.50692	5.082	7.6566	7.6336
848	490536.72	3860685.12	6.31566	7.70583	9.07607	6.78493	24.54604	5.0283	7.72453	7.70583
849	490586.72	3860685.12	6.36845	7.73614	7.03026	6.92035	24.25304	4.92438	7.75181	7.73614
850	490636.72	3860685.12	6.42074	7.71774	8.57402	6.99237	23.67706	4.77745	7.72861	7.71774
851	490686.72	3860685.12	6.46982	7.65206	9.62501	6.99767	22.83312	4.91803	7.65864	7.65206
852	490736.72	3860685.12	6.50815	7.55607	9.74885	6.91347	21.68829	5.0447	7.55514	7.55607
853	490786.72	3860685.12	6.5494	7.39852	9.11703	6.81203	20.43312	5.15929	7.39219	7.39852
854	490136.72	3860735.12	6.03086	5.62654	9.79372	5.52685	36.10314	3.80277	5.68984	5.62654
855	490186.72	3860735.12	5.99494	5.89056	7.76249	5.30581	34.02407	4.01675	5.9534	5.89056
856	490236.72	3860735.12	5.97519	6.14642	7.13983	5.07037	31.76071	4.23024	6.20863	6.14642
857	490286.72	3860735.12	5.97055	6.39301	7.15979	5.15061	29.35407	4.43287	6.45385	6.39301
858	490336.72	3860735.12	5.97866	6.62902	9.31694	5.43229	26.82032	4.61256	6.68797	6.62902
859	490386.72	3860735.12	6.00214	6.84769	10.62187	5.73145	24.29228	4.76515	6.90403	6.84769
860	490436.72	3860735.12	6.043	7.04541	10.75826	6.05027	23.42344	4.88598	7.10031	7.04541
861	490486.72	3860735.12	6.07719	7.35538	10.77532	6.29259	23.93128	4.94617	7.40629	7.35538
862	490536.72	3860735.12	6.11286	7.64061	9.81394	6.47517	24.06058	4.95216	7.68803	7.64061
863	490586.72	3860735.12	6.16097	7.86092	8.11587	6.64055	23.99784	4.91954	7.9014	7.86092
864	490636.72	3860735.12	6.21244	8.03384	7.04776	6.75163	23.65453	4.84173	8.07001	8.03384
865	490686.72	3860735.12	6.26843	8.16302	8.50332	6.81975	23.09079	4.72572	8.18772	8.16302
866	490736.72	3860735.12	6.32209	8.23974	9.31034	6.82122	22.2585	4.70109	8.2599	8.23974
867	490136.72	3860785.12	5.95414	5.86023	9.86852	5.46793	36.31734	3.43454	5.86982	5.86023
868	490186.72	3860785.12	5.91048	5.85855	8.1984	5.2893	34.59696	3.6344	5.86419	5.85855
869	490236.72	3860785.12	5.87758	5.84776	6.93739	5.07564	32.5698	3.84087	5.85083	5.84776
870	490286.72	3860785.12	5.85744	5.82038	6.96975	4.84713	30.33821	4.04794	5.8197	5.82038
871	490336.72	3860785.12	5.84909	5.78472	8.01719	5.1054	27.9427	4.24541	5.79422	5.78472
872	490386.72	3860785.12	5.85858	6.00122	9.71186	5.39985	25.56229	4.43306	6.0679	6.00122
873	490436.72	3860785.12	5.87445	6.27741	10.2989	5.67625	23.04763	4.58721	6.3432	6.27741
874	490486.72	3860785.12	5.90599	6.54123	10.54341	5.96511	23.05537	4.71449	6.60564	6.54123
875	490536.72	3860785.12	5.93694	6.86773	10.24693	6.19143	23.50291	4.79016	6.93629	6.86773
876	490586.72	3860785.12	5.96987	7.25118	8.97775	6.35499	23.57858	4.81514	7.31105	7.25118
877	490636.72	3860785.12	6.01473	7.58034	7.18996	6.4975	23.4592	4.80435	7.63722	7.58034
878	490686.72	3860785.12	6.06621	7.88368	7.15515	6.59722	23.1018	4.75345	7.93738	7.88368
879	490736.72	3860785.12	6.12212	8.16456	8.36715	6.65031	22.5163	4.66358	8.20853	8.16456
880	490086.72	3860835.12	5.94535	5.97546	10.14619	5.54147	37.58977	3.70282	6.0096	5.97546
881	490136.72	3860835.12	5.88994	6.04282	9.91942	5.43588	36.5909	3.53122	6.07328	6.04282

70.0645552	2.446713746	0.0002625	0.372612	9.943541	0.77042	9.376314	9.00809828	83.96632
70.2658742	2.347519182	0.0002301	0.364613	9.260148	0.77715	8.989938	8.64289234	83.36258
70.4107582	2.249742261	0.000243	0.354416	8.51658	0.7789	8.627699	8.28290576	82.65543
64.0777261	3.118807437	0.0002378	0.290948	16.21488	0.64122	12.03801	11.4825545	84.89927
64.0002562	3.167110838	0.0001886	0.275912	14.95838	0.66879	12.21732	11.6603938	83.62757
64.0862426	3.202763456	0.0001965	0.285499	13.64624	0.69141	12.3475	11.7916565	82.46819
64.3988925	3.221912899	0.0002545	0.301163	12.3846	0.70928	12.41426	11.8621592	81.56821
64.8509881	3.237083938	0.0002939	0.3176	11.13888	0.72082	12.45515	11.9180146	80.8028
65.3691639	3.246507894	0.0002936	0.33338	11.33983	0.72482	12.48326	11.9527109	81.54454
65.9099137	3.244536694	0.0002832	0.347218	11.53015	0.72081	12.47179	11.9454535	82.27924
66.4770341	3.220036208	0.0002544	0.358947	11.5756	0.70953	12.37001	11.8552498	82.85617
67.0713458	3.164964121	0.0002046	0.368271	11.49164	0.69178	12.1532	11.6524902	83.28891
67.48681	3.131566232	0.0002168	0.370962	11.18593	0.69095	12.0104	11.5295287	83.34731
67.9301838	3.058766846	0.0002506	0.371526	10.79355	0.71146	11.73999	11.2615022	83.34423
68.2918808	2.977664117	0.0002603	0.368147	10.27636	0.72831	11.41995	10.9629053	83.09967
68.5640001	2.881417352	0.000245	0.361092	9.652075	0.74075	11.05053	10.6085523	82.64156
68.8307837	2.776678225	0.0002159	0.352844	8.979317	0.75	10.61136	10.2229328	82.07827
62.9023391	2.903118553	0.0002468	0.290095	16.54571	0.58301	11.23375	10.6884499	83.76981
62.8771999	2.990980968	0.0001919	0.280134	15.64594	0.61451	11.56691	11.0119341	82.96393
62.6990705	3.078690367	0.0001854	0.27121	14.33444	0.6418	11.89849	11.3348549	81.58903
62.6502286	3.157641878	0.0002167	0.283008	12.97213	0.66392	12.196	11.6255318	80.29761
62.9652385	3.218524055	0.0002681	0.29939	11.79236	0.68425	12.42307	11.8496825	79.53341
63.3497147	3.298078626	0.0002864	0.314979	10.87565	0.69787	12.71936	12.1425796	79.11336
63.7753371	3.375225454	0.0002791	0.328912	11.16332	0.70407	13.00428	12.4266121	79.92481
64.2523667	3.435468566	0.0002677	0.341006	11.30137	0.70307	13.2192	12.6484099	80.60434
64.8044035	3.467975364	0.0002302	0.351469	11.31942	0.69564	13.33648	12.7680906	81.20752
65.3460768	3.481616248	0.0001783	0.358484	11.1843	0.68126	13.38358	12.8183125	81.61718
65.8826197	3.473335408	0.0002175	0.362215	10.91868	0.66094	13.34352	12.7878248	81.85371
66.3862251	3.443776409	0.0002442	0.362489	10.5295	0.68039	13.22272	12.678997	81.94634
66.7795256	3.400576526	0.0002473	0.358127	10.00156	0.69791	13.04403	12.5199475	81.76203
67.2027881	3.329671832	0.0002313	0.352873	9.422741	0.71376	12.76269	12.2588967	81.52586
61.8820971	2.53219992	0.0002484	0.286299	16.64898	0.52609	9.823566	9.32283385	82.37665
61.5135253	2.651020975	0.0001969	0.274848	15.69021	0.5557	10.27861	9.7602989	81.20381
61.3108723	2.766169658	0.0001811	0.262652	14.64646	0.58523	10.71926	10.1842433	80.10659
61.2632617	2.877146418	0.0001816	0.266809	13.53664	0.61327	11.14264	10.5928279	79.10711
61.3464777	2.983361695	0.0002364	0.2814	12.3682	0.63813	11.54685	10.9838821	78.18077
61.5874038	3.08177318	0.0002695	0.296897	11.20239	0.65924	11.91988	11.346205	77.40165
62.0066645	3.170756208	0.0002729	0.313412	10.80173	0.67595	12.25876	11.673815	77.55373
62.3574849	3.310256862	0.0002733	0.325965	11.03592	0.68428	12.78703	12.1874164	78.3138
62.7234915	3.438623386	0.000249	0.335423	11.09555	0.68511	13.27346	12.6600251	78.89188
63.2171437	3.537772946	0.0002059	0.34399	11.06661	0.68059	13.64185	13.0250653	79.4631
63.7452727	3.615594842	0.0001788	0.349744	10.9083	0.66983	13.93295	13.3115832	79.91029
64.3197809	3.673731741	0.0002157	0.353273	10.64833	0.65378	14.13618	13.5256266	80.25966
64.8703812	3.708259244	0.0002362	0.353349	10.26452	0.65037	14.2608	13.652747	80.45517
61.0948802	2.63737109	0.0002503	0.283246	16.74775	0.47515	10.1343	9.71004394	81.66291
60.646889	2.636615014	0.000208	0.273993	15.9544	0.5028	10.12458	9.70726028	80.43223
60.3093051	2.631759021	0.000176	0.262925	15.01957	0.53137	10.10152	9.68938191	79.16724
60.1026505	2.619436771	0.0001768	0.251088	13.99048	0.56001	10.04777	9.64401491	77.9276
60.0169719	2.603388142	0.0002034	0.264467	12.88579	0.58733	10.00378	9.58492847	76.777
60.1143479	2.700823028	0.0002464	0.27972	11.78806	0.61329	10.47629	9.94365577	76.02912
60.2771885	2.82512114	0.0002613	0.294038	10.62842	0.63462	10.9516	10.4012858	75.20996
60.6008175	2.943852186	0.0002675	0.309001	10.63199	0.65223	11.4047	10.8384194	75.70444
60.9183926	3.090792095	0.0002599	0.320725	10.83838	0.6627	11.97558	11.37941	76.4274
61.2562843	3.263362104	0.0002277	0.329197	10.87327	0.66615	12.6226	12.0147633	76.99633
61.7165886	3.411499134	0.0001824	0.33658	10.81822	0.66466	13.18574	12.5601614	77.5733
62.2448201	3.548015985	0.0001815	0.341745	10.6534	0.65762	13.70397	13.0627773	78.08697
62.8185075	3.674424811	0.0002123	0.344495	10.3834	0.64518	14.17211	13.5281783	78.51016
61.0046869	2.689229852	0.0002574	0.287056	17.33454	0.51227	10.37564	9.90097302	82.3027
60.43613	2.719544928	0.0002516	0.281586	16.87391	0.48853	10.48558	10.0125844	81.27294

882	490186.72	3860835.12	5.83885	6.12174	8.54981	5.27198	35.06525	3.32632	6.14927	6.12174	59.9119002	2.755062532	0.0002169	0.273096	16.17035	0.46018	10.61678	10.1433501	80.04424
883	490236.72	3860835.12	5.79702	6.1865	6.66177	5.07753	33.2572	3.48331	6.20715	6.1865	59.4826864	2.784207489	0.000169	0.263023	15.33657	0.4819	10.71671	10.2506534	78.81461
884	490286.72	3860835.12	5.76672	6.22982	6.78092	4.8675	31.24562	3.68062	6.24889	6.22982	59.1717809	2.803703467	0.000172	0.252143	14.40893	0.5092	10.78877	10.322432	77.61226
885	490336.72	3860835.12	5.74501	6.27126	6.81085	4.81037	28.99072	3.87714	6.28182	6.27126	58.9490166	2.822353359	0.0001728	0.249184	13.36908	0.53638	10.84563	10.3910956	76.38072
886	490386.72	3860835.12	5.73526	6.29288	8.59588	5.06789	26.6307	4.06981	6.2999	6.29288	58.8489728	2.832083346	0.0002181	0.262524	12.28076	0.56304	10.87684	10.4269186	75.23752
887	490436.72	3860835.12	5.73941	6.29269	9.68326	5.34573	24.26464	4.25369	6.29887	6.29269	58.8915555	2.831997837	0.0002456	0.276916	11.18965	0.58848	10.87506	10.4266038	74.2273
888	490486.72	3860835.12	5.75337	6.28143	9.94682	5.61881	21.93543	4.41422	6.28434	6.28143	59.0347978	2.826930323	0.0002523	0.291062	10.11553	0.61069	10.84998	10.4079467	73.32129
889	490536.72	3860835.12	5.77516	6.26324	10.26674	5.86916	22.65413	4.54228	6.26036	6.26324	59.258383	2.818743993	0.0002604	0.304031	10.44696	0.6284	10.80858	10.3778069	73.88755
890	490586.72	3860835.12	5.80238	6.22922	9.56881	6.07752	23.03785	4.63034	6.22534	6.22922	59.5376849	2.803433439	0.0002427	0.314824	10.62391	0.64058	10.74811	10.3214379	74.34736
891	490636.72	3860835.12	5.83694	6.51472	8.12554	6.24477	23.13333	4.67889	6.59228	6.51472	59.8923019	2.931921476	0.0002061	0.323488	10.66794	0.6473	11.38164	10.794494	75.05031
892	490686.72	3860835.12	5.88097	6.91731	6.33654	6.37848	22.99697	4.69116	6.99228	6.91731	60.3440896	3.113105359	0.0001607	0.330414	10.60506	0.649	12.07224	11.4615611	75.65251
893	490736.72	3860835.12	5.93256	7.3132	7.23703	6.47161	22.63299	4.66559	7.38348	7.3132	60.8734498	3.291273936	0.0001836	0.335238	10.43721	0.64546	12.74765	12.1175267	76.21295
894	490086.72	3860885.12	5.87568	5.75071	9.79967	5.48358	37.42414	3.79065	5.7994	5.75071	60.2898094	2.588082089	0.0002486	0.284057	17.25816	0.52442	10.01272	9.52857597	81.42892
895	490136.72	3860885.12	5.82067	5.88345	9.85135	5.38308	36.61858	3.6527	5.92995	5.88345	59.7253569	2.647821151	0.0002499	0.278851	16.88667	0.50533	10.23812	9.74851806	80.53388
896	490186.72	3860885.12	5.76969	6.01372	8.80637	5.24695	35.39586	3.48428	6.06337	6.01372	59.2022558	2.706448599	0.0002234	0.271799	16.32281	0.48203	10.46847	9.96436751	79.48968
897	490236.72	3860885.12	5.72515	6.13845	7.04029	5.07905	33.84593	3.29174	6.18347	6.13845	58.745235	2.762582795	0.0001786	0.263102	15.60806	0.4554	10.67582	10.1710375	78.33934
898	490286.72	3860885.12	5.68731	6.2567	6.51411	4.88037	32.00951	3.3464	6.29579	6.2567	58.3569623	2.815800694	0.0001652	0.25281	14.7612	0.46296	10.86975	10.3669706	77.15267
899	490336.72	3860885.12	5.65685	6.36926	6.61837	4.6618	29.91809	3.52829	6.40511	6.36926	58.044415	2.866457834	0.0001679	0.241488	13.79674	0.48812	11.05849	10.5534756	75.9424
900	490386.72	3860885.12	5.63775	6.46238	7.5318	4.78525	27.72884	3.71936	6.49333	6.46238	57.8484317	2.908366086	0.0001911	0.247883	12.78716	0.51456	11.2108	10.7077698	74.80962
901	490436.72	3860885.12	5.62912	6.54354	8.92133	5.04669	25.4528	3.90971	6.57259	6.54354	57.7598801	2.944891792	0.0002263	0.261426	11.73757	0.54089	11.34764	10.842247	73.75028
902	490486.72	3860885.12	5.6291	6.61962	9.42861	5.30652	23.09495	4.08755	6.6437	6.61962	57.7596748	2.979131266	0.0002392	0.274885	10.65024	0.56549	11.47042	10.9683069	72.73178
903	490536.72	3860885.12	5.63776	6.68704	9.97641	5.55693	21.67807	4.24592	6.70441	6.68704	57.8485343	3.009473344	0.0002531	0.287857	9.99685	0.5874	11.57523	11.0800177	72.22558
904	490586.72	3860885.12	5.65417	6.73754	9.83243	5.78424	22.29656	4.37721	6.75706	6.73754	58.0169158	3.03220065	0.0002494	0.299632	10.28207	0.60557	11.66613	11.1636931	72.73907
905	490636.72	3860885.12	5.67828	6.77231	8.833	5.97768	22.62621	4.47625	6.78026	6.77231	58.2643063	3.047848738	0.0002241	0.309652	10.43408	0.61927	11.70619	11.2213049	73.16027
906	490686.72	3860885.12	5.71159	6.78442	7.28473	6.13669	22.69866	4.54227	6.7827	6.78442	58.6060971	3.053298791	0.0001848	0.317889	10.4675	0.6284	11.7104	11.2413704	73.5424
907	490736.72	3860885.12	5.75189	6.77503	5.99679	6.24972	22.51049	4.57122	6.77745	6.77503	59.0196117	3.049072862	0.0001521	0.323744	10.38072	0.63241	11.70134	11.2258118	73.88123
908	490086.72	3860935.12	5.78851	5.27472	9.38181	5.40555	36.9814	3.82948	5.33666	5.27472	59.3953661	2.373864855	0.000238	0.280015	17.05399	0.52979	9.213798	8.73988955	80.10717
909	490136.72	3860935.12	5.73899	5.4497	9.67917	5.30766	36.38332	3.72447	5.51116	5.4497	58.887246	2.452613845	0.0002455	0.274944	16.77818	0.51526	9.515074	9.02982075	79.39375
910	490186.72	3860935.12	5.69322	5.60776	8.9524	5.20347	35.49595	3.59624	5.66909	5.60776	58.4176042	2.523748062	0.0002271	0.269547	16.36897	0.49752	9.787741	9.29171653	78.57364
911	490236.72	3860935.12	5.65046	5.76832	7.43018	5.06322	34.23058	3.43899	5.82831	5.76832	57.9788478	2.596007394	0.0001885	0.262282	15.78544	0.47577	10.06264	9.55775467	77.60342
912	490286.72	3860935.12	5.61221	5.92509	6.19728	4.89187	32.65413	3.25766	5.9844	5.92509	57.5863681	2.666561052	0.0001572	0.253406	15.05846	0.45068	10.33213	9.817513	76.53025
913	490336.72	3860935.12	5.57781	6.09025	6.36234	4.68391	30.74545	3.21762	6.14632	6.09025	57.2333929	2.740890594	0.0001614	0.242633	14.17828	0.44514	10.61168	10.0911731	75.36101
914	490386.72	3860935.12	5.55254	6.23785	6.48855	4.52461	28.72767	3.39282	6.29313	6.23785	56.9740997	2.807317333	0.0001646	0.234381	13.24778	0.46938	10.86515	10.3357373	74.26253
915	490436.72	3860935.12	5.53497	6.38199	8.04881	4.76928	26.56301	3.57508	6.43438	6.38199	56.7938156	2.872186915	0.0002042	0.247055	12.24954	0.49459	11.10902	10.5745685	73.19185
916	490486.72	3860935.12	5.52389	6.52893	8.92854	5.01381	24.27109	3.75438	6.57876	6.52893	56.6801247	2.938316625	0.0002265	0.259722	11.19262	0.5194	11.3583	10.8180391	72.13067
917	490536.72	3860935.12	5.52225	6.66647	9.43885	5.26276	21.96584	3.92792	6.71273	6.66647	56.6632969	3.000215905	0.0002394	0.272618	10.12956	0.54341	11.5896	11.0459345	71.153
918	490586.72	3860935.12	5.52715	6.80191	9.79357	5.49484	21.4179	4.08413	6.84527	6.80191	56.7135753	3.061170089	0.0002484	0.28464	9.876872	0.56502	11.81843	11.2703503	71.0496
919	490636.72	3860935.12	5.54054	6.92054	9.27575	5.70513	21.96169	4.21872	6.95825	6.92054	56.8509689	3.114559006	0.0002353	0.295534	10.12764	0.58364	12.01349	11.466913	71.51915
920	490686.72	3860935.12	5.56294	7.02596	8.07028	5.88865	22.25183	4.3282	7.0568	7.02596	57.0808132	3.16200282	0.0002047	0.30504	10.26144	0.59879	12.18364	11.6415875	71.95033
921	490736.72	3860935.12	5.59262	7.1133	6.48023	6.02942	22.27062	4.4058	7.13841	7.1133	57.3853569	3.201309808	0.0001644	0.312332	10.2701	0.60952	12.32454	11.7863046	72.31702
922	490786.72	3860935.12	5.62925	7.18505	6.10728	6.12278	22.03236	4.44904	7.20773	7.18505	57.761214	3.233600584	0.0001549	0.317169	10.16023	0.6155	12.44422	11.9051899	72.6269
923	490836.72	3860935.12	5.67462	7.26833	7.14602	6.18021	21.59134	4.46057	7.27419	7.26833	58.2267513	3.271080387	0.0001813	0.320144	9.956854	0.6171	12.55896	12.0431798	72.90789
924	490086.72	3860985.12	5.68038	5.26153	8.95514	5.33526	36.4641	3.83443	5.27086	5.26153	58.2858542	2.367928753	0.0002272	0.276374	16.81543	0.53047	9.100193	8.71803453	78.65845
925	490136.72	3860985.12	5.64355	5.28989	9.4876	5.25896	36.18854	3.76642	5.29685	5.28989	57.9079449	2.380692047	0.0002407	0.272421	16.68836	0.52107	9.145065	8.76502532	78.15076
926	490186.72	3860985.12	5.60663	5.31737	9.04164	5.17335	35.57693	3.67378	5.32115	5.31737	57.5291122	2.393059302	0.0002294	0.267987	16.40631	0.50825	9.187019	8.810558	77.48141
927	490236.72	3860985.12	5.56789	5.34306	7.74611	5.03952	34.4841	3.54679	5.34063	5.34306	57.1316047	2.404620975	0.0001965	0.261054	15.90236	0.49068	9.220652	8.85312477	76.55804
928	490286.72	3860985.12	5.53169	5.35792	6.01096	4.88208	33.09268	3.3956	5.4153	5.35792	56.7601598	2.411308654	0.0001525	0.252899	15.2607	0.46976	9.34957	8.87774688	75.62681
929	490336.72	3860985.12	5.49885	5.53215	6.05228	4.69947	31.43605	3.22179	5.59948	5.53215	56.4231916	2.48972011	0.0001535	0.243439	14.49675	0.44572	9.667559	9.16643537	74.60009
930	490386.72	3860985.12	5.47075	5.71057	6.23045	4.50378	29.57049	3.10224	5.78156	5.71057	56.1348601	2.570017257	0.0001581	0.233302	13.63644	0.42918	9.981922	9.46206644	73.52381
931	490436.72	3860985.12	5.44985	5.87853	7.12949	4.51273	27.58572	3.26798	5.94757	5.87853	55.9204072	2.645606926	0.0001809	0.233766	12.72116	0.45211	10.26854	9.74036592	72.50141
932	490486.72	3860985.12	5.43235	6.06787	8.28283	4.74405	25.39386	3.43677	6.13871	6.06787	55.7408413	2.730818572	0.0002101	0.245748	11.71039	0.47546	10.59855	10.0540908	71.44792
933	490536.72	3860985.12	5.4207	6.26206	8.7057	4.97703	23.12384	3.60668	6.32993	6.26206	55.6213017	2.818212939	0.0002208	0.257817	10.66357	0.49897	10.92869	10.3758518	70.41292
934	490586.72	3860985.12	5.41678	6.45492	9.48121	5.20896	20.85358	3.7728	6.51897	6.45492	55.5810789	2.905008745	0.0002405	0.269831	9.616636	0.52195	11.25507	10.695409	69.4544
935	490636.72	3860985.12	5.42199	6.63372	9.447	5.43634	21.17	3.93056	6.6952	6.63372	55.6345383	2.98547691	0.0002396	0.28161	9.762553	0.54377	11.55933	10.9916697	69.77585
936	490686.72	3860985.12	5.43324	6.80969	8.64096	5.63253	21.64922	4.06772	6.86602	6.80969	55.7499735	3.064671445	0.0002192	0.291773	9.983546	0.56275	11.85425	11.2832413	70.22394
937	490736.72	3860985.12	5.45191	6.97807	7.30004	5.79468	21.86548	4.18151	7.03116	6.97807	55.9415446	3.140450133	0.0001852	0.300173	10.08327	0.57849	12.13937	11.5622367	70.62125
938	490786.72	3860985.12	5.47938	7.13566	5.72826	5.92242	21.84617	4.27013	7.18202	7.13566	56.2234118	3.211372829	0.0001453	0.30679	10.07437	0.59075	12.39983	11.8233537	70.98332
939	490836.72	3860985.12	5.51515	7.28989	6.18442	6.01089	21.59807	4.33	7.33371	7.28989	56.5904444	3.280783372	0.0001569	0.311372	9.959958	0.59903	12.66172	12.0789034	71.32457
940	490086.72	3861035.12	5.83495	5.39504	8.50714	5.26059	35.78648	3.80567	5.42194	5.39504	59.8718827	2.428014349	0.0002158	0.272506	16.50295	0.5265	9.361034	8.93925246	80.02384

941	490136.72	3861035.12	5.52184	5.44355	9.22852	5.19749	35.79534	3.769	5.46814	5.44355	56.6590899	2.449846064	0.0002341	0.269237	16.50703	0.52142	9.440799	9.01963057	76.82803
942	490186.72	3861035.12	5.49754	5.49276	9.02407	5.11525	35.37922	3.70543	5.51404	5.49276	56.4097498	2.471992811	0.0002289	0.264977	16.31514	0.51263	9.520046	9.10116854	76.39359
943	490236.72	3861035.12	5.47076	5.53853	7.99142	5.01489	34.61226	3.61687	5.5597	5.53853	56.1349627	2.492591401	0.0002027	0.259778	15.96146	0.50038	9.598878	9.17700664	75.77124
944	490286.72	3861035.12	5.44143	5.58556	6.41381	4.87131	33.42651	3.4968	5.59861	5.58556	55.8340103	2.513757048	0.0001627	0.252341	15.41465	0.48377	9.666057	9.25493249	74.90981
945	490336.72	3861035.12	5.41267	5.62645	5.70061	4.70363	31.96144	3.35261	5.64086	5.62645	55.5389066	2.532159416	0.0001446	0.243655	14.73903	0.46382	9.739002	9.32268472	73.93403
946	490386.72	3861035.12	5.38787	5.67654	5.93316	4.53002	30.3358	3.19155	5.68872	5.67654	55.2844361	2.554702203	0.0001505	0.234661	13.98937	0.44154	9.821633	9.4056808	72.9208
947	490436.72	3861035.12	5.36613	5.72045	6.20861	4.34544	28.4996	3.0687	5.72866	5.72045	55.061364	2.574463708	0.0001575	0.2251	13.1426	0.42454	9.89059	9.478437	71.84038
948	490486.72	3861035.12	5.3465	5.76037	7.53799	4.49368	26.43811	3.14959	5.7686	5.76037	54.8599424	2.592429531	0.0001912	0.232779	12.19194	0.43573	9.959546	9.544582	70.72798
949	490536.72	3861035.12	5.33076	5.802	8.27993	4.71749	24.26031	3.30725	5.80534	5.802	54.6984357	2.611164932	0.00021	0.244373	11.18765	0.45754	10.02298	9.61356037	69.60879
950	490586.72	3861035.12	5.32029	5.83127	8.96207	4.94256	22.03794	3.46883	5.87371	5.83127	54.591004	2.624337768	0.0002273	0.256032	10.1628	0.4799	10.14102	9.66205898	68.59326
951	490636.72	3861035.12	5.31603	6.01713	9.34603	5.16268	20.22656	3.62871	6.09308	6.01713	54.5472925	2.707983255	0.0002371	0.267434	9.327485	0.50201	10.51976	9.97001767	67.90219
952	490686.72	3861035.12	5.31874	6.23579	8.96725	5.36908	20.89044	3.78085	6.31286	6.23579	54.5750996	2.806390239	0.0002275	0.278126	9.633634	0.52306	10.89922	10.332324	68.38343
953	490736.72	3861035.12	5.32863	6.45004	7.95458	5.55256	21.31366	3.9196	6.52165	6.45004	54.6765799	2.902812522	0.0002018	0.28763	9.828802	0.54226	11.25969	10.6873232	68.81066
954	490786.72	3861035.12	5.34722	6.6582	6.55708	5.70936	21.50773	4.04149	6.73014	6.6582	54.8673302	2.996494027	0.0001663	0.295753	9.918297	0.55912	11.61965	11.0322316	69.22458
955	490836.72	3861035.12	5.37311	6.86439	5.29868	5.82641	21.45518	4.13963	6.93457	6.86439	55.1329851	3.089288942	0.0001344	0.301816	9.894064	0.5727	11.97261	11.3738759	69.58972
956	490086.72	3861085.12	6.04581	5.38026	8.05463	5.18965	34.99463	3.75122	5.42165	5.38026	62.0354976	2.421362674	0.0002043	0.268831	16.13779	0.51896	9.360534	8.9147629	81.82842
957	490136.72	3861085.12	5.69668	5.43937	8.93701	5.14271	35.29896	3.7435	5.48023	5.43937	58.453107	2.447964873	0.0002267	0.2664	16.27813	0.51789	9.461673	9.01270457	78.41269
958	490186.72	3861085.12	5.36354	5.48891	8.98303	5.08814	35.2246	3.71412	5.53176	5.48891	55.0347882	2.470260135	0.0002279	0.263573	16.24384	0.51383	9.55064	9.09478933	74.98237
959	490236.72	3861085.12	5.35103	5.5676	8.16706	4.98758	34.61901	3.65133	5.60576	5.5676	54.9064243	2.505674228	0.0002072	0.258364	15.96457	0.50514	9.678401	9.22517386	74.59361
960	490286.72	3861085.12	5.3344	5.6342	6.76873	4.86445	33.67894	3.56386	5.67151	5.6342	54.7357854	2.535647269	0.0001717	0.251985	15.53106	0.49304	9.79192	9.335526	74.00408
961	490336.72	3861085.12	5.31475	5.70161	5.58724	4.71263	32.42002	3.45055	5.73439	5.70161	54.5341585	2.565984847	0.0001417	0.244121	14.9505	0.47737	9.900482	9.44722026	73.22554
962	490386.72	3861085.12	5.29569	5.76364	5.60224	4.55206	30.97796	3.31841	5.79585	5.76364	54.3385856	2.59390118	0.0001421	0.235803	14.2855	0.45909	10.00659	9.55000019	72.36961
963	490436.72	3861085.12	5.27613	5.82771	5.81669	4.36613	29.24992	3.16126	5.85774	5.82771	54.1378823	2.622735605	0.0001476	0.226172	13.48861	0.43734	10.11345	9.65616028	71.37018
964	490486.72	3861085.12	5.25795	5.8922	6.71926	4.25261	27.33636	3.03856	5.91978	5.8922	53.951339	2.65175905	0.0001705	0.220291	12.60617	0.42037	10.22056	9.76301628	70.30765
965	490536.72	3861085.12	5.24357	5.95618	7.73203	4.47477	25.32668	3.04018	5.97858	5.95618	53.8037871	2.680552972	0.0001961	0.231799	11.67941	0.42059	10.32208	9.86902724	69.26939
966	490586.72	3861085.12	5.22998	6.02019	8.28522	4.69001	23.16909	3.18637	6.04185	6.02019	53.6643414	2.709360395	0.0002102	0.242949	10.68443	0.44082	10.43132	9.97508791	68.19834
967	490636.72	3861085.12	5.21993	6.07685	9.01871	4.8993	20.96846	3.33635	6.09604	6.07685	53.5612193	2.734859982	0.0002288	0.253791	9.669613	0.46157	10.52487	10.0689701	67.13718
968	490686.72	3861085.12	5.21628	6.12544	9.05139	5.10856	20.0122	3.48981	6.14514	6.12544	53.523767	2.7567277	0.0002296	0.264631	9.228633	0.4828	10.60965	10.1494807	66.71695
969	490736.72	3861085.12	5.21959	6.17875	8.41009	5.30773	20.62946	3.6405	6.19216	6.17875	53.5577306	2.780719635	0.0002133	0.274948	9.513283	0.50365	10.69083	10.2378122	67.08355
970	490786.72	3861085.12	5.22967	6.22805	7.26208	5.4828	21.01185	3.78098	6.23427	6.22805	53.6611605	2.802906886	0.0001842	0.284017	9.689622	0.52308	10.76353	10.3194993	67.405
971	490836.72	3861085.12	5.24628	6.28016	5.8514	5.62327	21.14891	3.90522	6.28581	6.28016	53.8315942	2.826358765	0.0001484	0.291293	9.752827	0.54027	10.85251	10.4058424	67.68916
972	490086.72	3861135.12	6.25089	5.23955	7.60093	5.11695	34.07306	3.6759	5.29218	5.23955	64.1398046	2.358036749	0.0001928	0.265065	15.7128	0.50854	9.137002	8.68161501	83.43983
973	490136.72	3861135.12	5.90428	5.30547	8.59355	5.07129	34.58027	3.68737	5.35722	5.30547	60.5832714	2.387703759	0.000218	0.2627	15.9467	0.51013	9.249295	8.79084043	80.14918
974	490186.72	3861135.12	5.56136	5.37228	8.83305	5.02188	34.72493	3.68109	5.42507	5.37228	57.064601	2.41777131	0.0002241	0.26014	16.01341	0.50926	9.366438	8.90154053	76.73031
975	490236.72	3861135.12	5.21946	5.44275	8.26737	4.95039	34.46035	3.65134	5.49654	5.44275	53.5563967	2.449486027	0.0002097	0.256437	15.8914	0.50515	9.489832	9.01830502	73.1306
976	490286.72	3861135.12	5.20175	5.52304	7.06402	4.85034	33.79161	3.59553	5.57493	5.52304	53.374676	2.485620194	0.0001792	0.251254	15.58301	0.49742	9.625173	9.15134066	72.666
977	490336.72	3861135.12	5.19625	5.60824	5.52876	4.71721	32.76167	3.51326	5.65695	5.60824	53.318241	2.523964084	0.0001403	0.244358	15.10806	0.48604	9.766782	9.29251186	72.15507
978	490386.72	3861135.12	5.18743	5.68509	5.50092	4.56558	31.47293	3.409	5.73296	5.68509	53.2277398	2.558550093	0.0001395	0.236503	14.51375	0.47162	9.898014	9.41984763	71.48647
979	490436.72	3861135.12	5.17566	5.7673	5.4902	4.38901	29.91141	3.27961	5.81531	5.7673	53.1069689	2.595548347	0.0001393	0.227357	13.79366	0.45372	10.04019	9.55606459	70.66152
980	490486.72	3861135.12	5.16301	5.84583	5.91006	4.20464	28.16119	3.12989	5.89512	5.84583	52.9771684	2.630890433	0.0001499	0.217806	12.98654	0.433	10.17798	9.68618401	69.73736
981	490536.72	3861135.12	5.15049	5.92792	7.06171	4.23793	26.24855	3.01115	5.97365	5.92792	52.8487019	2.667834681	0.0001791	0.219531	12.10453	0.41658	10.31357	9.82220214	68.74872
982	490586.72	3861135.12	5.13859	6.01296	7.70073	4.44595	24.20341	2.96596	6.05754	6.01296	52.7265971	2.706106564	0.0001954	0.230306	11.16141	0.41033	10.4584	9.96310824	67.73024
983	490636.72	3861135.12	5.12781	6.09977	8.5126	4.65114	22.07477	3.06963	6.14063	6.09977	52.6159845	2.745175028	0.0002159	0.240936	10.17979	0.42467	10.60186	10.1069471	66.70168
984	490686.72	3861135.12	5.12197	6.17994	8.91791	4.86278	19.97737	3.215	6.21916	6.17994	52.5560608	2.781255189	0.0002262	0.251899	9.212571	0.44478	10.73744	10.2397839	65.74445
985	490736.72	3861135.12	5.12094	6.25848	8.65531	5.06889	19.84468	3.36447	6.29371	6.25848	52.545492	2.816601775	0.0002196	0.262576	9.151381	0.46546	10.86615	10.3699199	65.73796
986	490786.72	3861135.12	5.1248	6.3342	7.81081	5.25635	20.40108	3.51105	6.37106	6.3342	52.5850991	2.850679233	0.0001981	0.272286	9.407965	0.48574	10.9997	10.4953833	66.10628
987	490836.72	3861135.12	5.13365	6.40741	6.57921	5.41432	20.71462	3.64876	6.43984	6.40741	52.6759082	2.883627076	0.0001669	0.280469	9.552554	0.50479	11.11845	10.6166878	66.39928
988	490086.72	3861185.12	6.45056	4.99504	7.15414	5.04627	33.05674	3.58643	5.05015	4.99504	66.1886	2.247996084	0.0001815	0.261404	15.24413	0.49617	8.719135	8.27647684	84.88113
989	490136.72	3861185.12	6.10366	5.08113	8.21886	4.98805	33.69506	3.60834	5.13776	5.08113	62.6290911	2.286740515	0.0002085	0.258388	15.53849	0.4992	8.870395	8.41912272	81.66339
990	490186.72	3861185.12	5.76278	5.15952	8.62219	4.93999	34.03586	3.61989	5.21693	5.15952	59.131353	2.322019595	0.0002187	0.255898	15.69565	0.50079	9.007083	8.54901017	78.36401
991	490236.72	3861185.12	5.42585	5.23641	8.27223	4.88335	34.022	3.61439	5.29639	5.23641	55.6741454	2.356623605	0.0002098	0.252964	15.68926	0.50003	9.144271	8.67641222	74.94109
992	490286.72	3861185.12	5.09276	5.30624	7.28284	4.81459	33.68075	3.5907	5.36973	5.30624	52.2563397	2.388050294	0.0001847	0.249402	15.53189	0.49676	9.270893	8.79211627	71.4014
993	490336.72	3861185.12	5.04816	5.41317	5.86507	4.68613	32.802	3.53225	5.47172	5.41317	51.7987032	2.436173677	0.0001488	0.242748	15.12665	0.48867	9.44698	8.96929276	70.57078
994	490386.72	3861185.12	5.05459	5.49628	5.35453	4.55434	31.74213	3.45835	5.55646	5.49628	51.8646808	2.473576972	0.0001358	0.235921	14.63789	0.47845	9.593285	9.10700097	70.17694
995	490436.72	3861185.12	5.05655	5.57185	5.40235	4.40486	30.44277	3.36282	5.63459	5.57185	51.8847922	2.507586922	0.000137	0.228178	14.03869	0.46523	9.728177	9.23221585	69.62058
996	490486.72	3861185.12	5.05338	5.665	5.3925	4.2274	28.84699	3.24009	5.72309	5.665	51.8522651	2.549508676	0.0001368	0.218985	13.3028	0.44825	9.880973	9.38655972	68.86636
997	490536.72	3861185.12	5.05035	5.73148	6.38019	4.06177	27.15818	3.10265	5.79307	5.73148	51.8211746	2.579427711	0.0001619	0.210405	12.524	0.42924	10.00179	9.49671303	68.06949
998	490586.72	3861185.12	5.04241	5.83678	7.22332	4.22368	25.1998	2.98234	5.89803	5.83678	51.739703	2.62681752	0.0001832	0.218793	11.6209	0.41259	10.18301	9.67118871	67.13081
999	490636.72	3861185.12	5.03293	5.94961	7.87132	4.41378	23.10978	2.929	6.0077	5.94961	51.6424296	2.677596172	0.0001997	0.22864	10.65708	0.40521	10.37235	9.85814115	66.12538

1000	490686.72	3861185.12	5.02721	6.04286	8.58298	4.6195	21.05963	2.964	6.10061	6.04286
1001	490736.72	3861185.12	5.02589	6.13587	8.68672	4.83249	19.05483	3.10427	6.19196	6.13587
1002	490786.72	3861185.12	5.02715	6.23137	8.1779	5.03059	19.67837	3.24744	6.2855	6.23137
1003	490836.72	3861185.12	5.03172	6.32698	7.18883	5.2051	20.17171	3.38872	6.38261	6.32698
1004	490086.72	3861235.12	6.64336	4.72637	6.71557	4.97353	31.94223	3.52112	4.7729	4.72637
1005	490136.72	3861235.12	6.30166	4.78684	7.84597	4.92074	32.78788	3.52092	4.8328	4.78684
1006	490186.72	3861235.12	5.96559	4.84973	8.39566	4.87856	33.34067	3.54764	4.90213	4.84973
1007	490236.72	3861235.12	5.6281	4.93477	8.22627	4.81647	33.47061	3.55593	4.99355	4.93477
1008	490386.72	3861235.12	4.89397	5.20455	5.17401	4.53545	31.87871	3.47482	5.26725	5.20455
1009	490436.72	3861235.12	4.91087	5.29878	5.24936	4.38993	30.71263	3.40319	5.36372	5.29878
1010	490486.72	3861235.12	4.92148	5.39194	5.2869	4.2278	29.31738	3.30992	5.45697	5.39194
1011	490536.72	3861235.12	4.93034	5.45707	5.64089	4.08137	27.85424	3.2046	5.52381	5.45707
1012	490586.72	3861235.12	4.93473	5.52802	6.67625	4.02	26.13963	3.07305	5.60129	5.52802
1013	490636.72	3861235.12	4.92967	5.67525	7.16411	4.18974	24.07111	2.93865	5.74297	5.67525
1014	490686.72	3861235.12	4.92825	5.77726	8.09509	4.38988	22.09828	2.89607	5.84471	5.77726
1015	490736.72	3861235.12	4.92862	5.87163	8.5194	4.59992	20.13774	2.87098	5.94067	5.87163
1016	490786.72	3861235.12	4.93076	5.96979	8.35207	4.80585	18.85179	3.00273	6.03881	5.96979
1017	490836.72	3861235.12	4.93361	6.07831	7.64565	4.99004	19.50186	3.13712	6.14667	6.07831
1018	490086.72	3861285.12	6.83531	4.51944	6.30377	4.92042	30.8285	3.62322	4.56926	4.51944
1019	490136.72	3861285.12	6.50402	4.5816	7.49301	4.88558	31.93151	3.45245	4.63025	4.5816
1020	490186.72	3861285.12	6.16478	4.64938	8.14305	4.82322	32.56602	3.46499	4.69856	4.64938
1021	490236.72	3861285.12	5.83145	4.7147	8.14958	4.76803	32.91219	3.48748	4.76593	4.7147
1022	490386.72	3861285.12	4.84677	4.91698	5.06549	4.52253	31.94938	3.46737	4.96902	4.91698
1023	490436.72	3861285.12	4.73961	4.98608	5.09544	4.40222	31.03996	3.42512	5.0396	4.98608
1024	490486.72	3861285.12	4.76731	5.05695	5.16545	4.24775	29.79537	3.35662	5.1091	5.05695
1025	490536.72	3861285.12	4.78785	5.12967	5.20409	4.086	28.36567	3.26931	5.18249	5.12967
1026	490586.72	3861285.12	4.80322	5.20633	5.99502	3.92203	26.77054	3.16218	5.27405	5.20633
1027	490636.72	3861285.12	4.81093	5.32433	6.71297	3.9733	24.91493	3.02632	5.39479	5.32433
1028	490686.72	3861285.12	4.81749	5.42676	7.48885	4.16652	23.04274	2.8995	5.50006	5.42676
1029	490736.72	3861285.12	4.825	5.5095	8.18868	4.38047	21.19317	2.87076	5.58189	5.5095
1030	490786.72	3861285.12	4.82899	5.62061	8.32879	4.57634	19.24187	2.83548	5.6947	5.62061
1031	490836.72	3861285.12	4.83181	5.73758	7.91845	4.75793	18.66929	2.90069	5.81656	5.73758
1032	490061.24	3859716.13	10.16115	12.1368	31.31858	14.27041	25.34139	9.9469	10.3029	12.1368
1033	490111.24	3859716.13	10.5965	14.87002	33.38324	14.98386	22.53155	10.8124	12.4649	14.87002
1034	490161.24	3859716.13	11.1693	18.50487	28.99555	16.67559	19.71244	11.72772	15.516	18.50487
1035	490211.24	3859716.13	11.891	22.513	36.79953	18.12438	16.98003	12.66687	18.8096	22.513
1036	490061.24	3859766.13	9.51856	9.68428	27.28918	12.82125	27.14062	9.18597	9.43664	9.68428
1037	490111.24	3859766.13	9.75916	10.72621	28.25965	13.44521	24.43556	9.51848	9.66522	10.72621
1038	490161.24	3859766.13	10.08111	12.47285	30.21858	14.26141	21.65831	9.97104	10.478	12.47285
1039	490211.24	3859766.13	10.50761	15.08899	28.14882	15.64684	18.94333	10.55643	12.837	15.08899
1040	490061.24	3859816.13	9.12114	8.18219	26.48586	12.22756	28.65039	8.61634	8.72237	8.18219
1041	490111.24	3859816.13	9.2399	8.91211	25.83548	12.1874	26.13329	8.97185	8.92171	8.91211
1042	490161.24	3859816.13	9.42221	9.77368	26.86246	12.42791	23.509	9.36484	9.09445	9.77368
1043	490211.24	3859816.13	9.67141	10.80878	27.10197	13.12912	20.84029	9.78337	9.25446	10.80878
1044	490061.24	3859866.13	8.85231	7.04035	24.36746	11.72127	29.8482	7.69005	7.98479	7.04035
1045	490111.24	3859866.13	8.90628	7.62032	24.35659	11.66945	27.63114	8.00396	8.28872	7.62032
1046	490161.24	3859866.13	9.00104	8.26853	24.27382	11.63967	25.21451	8.34513	8.49129	8.26853
1047	490211.24	3859866.13	9.14326	9.00925	25.44142	11.89954	22.67457	8.7145	8.63787	9.00925
1048	490061.24	3859916.13	8.65442	6.10647	19.6794	11.22201	30.70405	6.80745	7.17132	6.10647
1049	490111.24	3859916.13	8.67214	6.60065	23.30852	11.232	28.85047	7.02341	7.60685	6.60065
1050	490161.24	3859916.13	8.71325	7.1285	22.0748	11.17162	26.68165	7.28005	7.90705	7.1285
1051	490211.24	3859916.13	8.78361	7.70198	22.4985	11.10193	24.30281	7.55375	8.09488	7.70198
1052	490229.25	3859815.26	9.79627	11.44362	27.77452	13.79774	19.87746	9.97389	9.71549	11.44362
1053	490279.25	3859815.26	10.15179	13.56894	25.49733	15.2756	17.27393	10.42497	11.6331	13.56894
1054	490329.25	3859815.26	10.58233	15.90474	27.56604	16.30749	15.41098	10.90802	13.2379	15.90474
1055	490379.25	3859815.26	11.07414	18.41345	30.84255	16.78454	15.9995	11.53268	15.0331	18.41345
1056	490429.25	3859815.26	11.59108	21.11311	31.22699	17.73891	16.35983	12.37524	18.1139	21.11311
1057	490229.25	3859865.26	9.21554	9.3332	25.12707	12.1821	21.71674	8.8767	8.6916	9.3332
1058	490279.25	3859865.26	9.43163	10.23025	25.13067	13.03721	19.13157	9.28462	8.72465	10.23025

51.5837372	2.71956293	0.0002177	0.239297	9.711656	0.41005	10.53277	10.0126507	65.18464		
51.5701928	2.761421677	0.0002204	0.25033	8.787142	0.42946	10.69048	10.1667626	64.32249		
51.5831215	2.804401037	0.0002075	0.260592	9.074687	0.44927	10.85198	10.3250003	64.69926		
51.6300139	2.847429903	0.0001824	0.269631	9.302191	0.46881	11.01964	10.4834202	65.05448		
68.166903	2.127082316	0.0001704	0.257636	14.73017	0.48713	8.24046	7.83130702	86.17825		
64.6607508	2.154296577	0.000199	0.254901	15.12014	0.4871	8.343878	7.93150213	83.08977		
61.2123676	2.182599949	0.000213	0.252716	15.37506	0.4908	8.463577	8.03570702	79.94163		
57.7494139	2.220871832	0.0002087	0.2495	15.43498	0.49195	8.621415	8.17661312	76.59173		
50.2165738	2.342285151	0.0001313	0.234943	14.70088	0.48072	9.093961	8.62362214	68.44587		
50.3899832	2.384692953	0.0001332	0.227405	14.16314	0.47081	9.260517	8.77975551	68.11693		
50.4988514	2.426619207	0.0001341	0.219006	13.51972	0.45791	9.421514	8.93411595	67.60964		
50.5897631	2.455930681	0.0001431	0.211421	12.84499	0.44334	9.536914	9.04203239	67.04047		
50.6348084	2.487861421	0.0001694	0.208242	12.0543	0.42514	9.670684	9.15959221	66.32161		
50.5828882	2.554121644	0.0001817	0.217034	11.1004	0.40655	9.915296	9.40354335	65.37293		
50.5683178	2.600030802	0.0002054	0.227402	10.19063	0.40066	10.09095	9.5725677	64.50563		
50.5721143	2.642501611	0.0002161	0.238282	9.286526	0.39719	10.25663	9.72893304	63.66452		
50.5940726	2.686678093	0.0002119	0.24895	8.69351	0.41541	10.42607	9.89157818	63.17332		
50.6233162	2.735517048	0.000194	0.258491	8.99329	0.43401	10.61229	10.0713892	63.58571		
70.1364842	2.033954367	0.0001599	0.254885	14.21657	0.50125	7.888874	7.48843663	87.54375		
66.7371481	2.061929205	0.0001901	0.25308	14.72523	0.47763	7.994174	7.59143196	84.65795		
63.2562378	2.0924333	0.0002066	0.24985	15.01783	0.47936	8.112111	7.70373929	81.5043		
59.8359695	2.121830283	0.0002067	0.246991	15.17747	0.48248	8.228426	7.81197054	78.2814		
49.732259	2.21286552	0.0001285	0.234273	14.73347	0.47969	8.579063	8.14713618	67.82462		
48.6327002	2.243963675	0.0001293	0.228041	14.31409	0.47385	8.70092	8.26163066	66.33206		
48.9169273	2.275858411	0.000131	0.220039	13.74015	0.46437	8.820913	8.37905793	66.05933		
49.1276863	2.308585732	0.000132	0.211661	13.08084	0.45229	8.947622	8.49955054	65.62927		
49.2853965	2.343086232	0.0001521	0.203167	12.34524	0.43747	9.105701	8.62657149	65.09365		
49.3645081	2.39619162	0.0001703	0.205822	11.48953	0.41868	9.31416	8.8220903	64.36697		
49.4318196	2.442289797	0.00019	0.215832	10.62617	0.40113	9.495909	8.99181057	63.62153		
49.5088791	2.479526575	0.0002077	0.226914	9.773238	0.39716	9.63719	9.1289057	62.89421		
49.5498201	2.529531149	0.0002113	0.237061	8.873395	0.39227	9.831957	9.3130082	62.10124		
49.5787558	2.58217299	0.0002009	0.246467	8.60935	0.4013	10.04235	9.50682036	61.95377		
104.262621	5.462114192	0.0007945	0.739227	11.68619	1.3761	17.78806	20.1099379	121.2052		
108.729707	6.692187996	0.0008469	0.776185	10.39043	1.49584	21.52074	24.6387168	124.9672		
114.607155	8.328036471	0.0007356	0.863819	9.090399	1.62247	26.78855	30.6614417	130.6397		
122.012452	10.13187799	0.0009335	0.938868	7.830347	1.7524	32.4749	37.3026689	137.8391		
97.6690644	4.358368205	0.0006923	0.664159	12.51591	1.27083	16.29245	16.0462617	116.7252		
100.137839	4.827284281	0.0007169	0.696481	11.26847	1.31684	16.6871	17.7726762	117.162		
103.441338	5.613352037	0.0007666	0.738761	9.987737	1.37944	18.09037	20.6667522	118.585		
107.817615	6.790734495	0.0007141	0.810528	8.735723	1.46043	22.16325	25.0015368	122.7775		
93.5911745	3.682359116	0.0006719	0.633405	13.21214	1.19203	15.05926	13.5573901	113.8136		
94.8097599	4.010856446	0.0006554	0.631324	12.05138	1.24121	15.40342	14.7668231	113.3818		
96.680426	4.398602287	0.0006814	0.643783	10.84118	1.29558	15.70166	16.1943921	113.3675		
99.2374441	4.864444552	0.0006875	0.680107	9.610507	1.35348	15.97792	17.9094897	113.8151		
90.8327347	3.168478977	0.0006181	0.607178	13.76451	1.06388	13.78582	11.6654308	111.5578		
91.3865159	3.42949196	0.0006179	0.604494	12.74211	1.10731	14.31056	12.6264058	110.9547		
92.3588395	3.721216058	0.0006158	0.602951	11.62768	1.15451	14.6603	13.7004503	110.4257		
93.8181458	4.054573881	0.0006454	0.616413	10.45639	1.20561	14.91337	14.9277781	110.1374		
88.8022037	2.748190334	0.0004992	0.581316	14.15918	0.94178	12.38136	10.1180486	109.4965		
88.984027	2.9705939	0.0005913	0.581833	13.3044	0.97165	13.1333	10.9368747	109.0095		
89.4058529	3.208150502	0.00056	0.578706	12.30425	1.00716	13.6516	11.81149	108.3448		
90.1278104	3.466242689	0.0005707	0.575095	11.20725	1.04502	13.97589	12.7617114	107.6362		
100.518621	5.15015154	0.0007046	0.714742	9.166498	1.37984	16.77389	18.9613809	114.7431		
104.166579	6.106642586	0.0006468	0.791297	7.965879	1.44224	20.0847	22.4829066	118.0751		
108.58431	7.157859244	0.0006993	0.844751	7.106779	1.50907	22.85544	26.3531848	121.7057		
113.630727	8.286893297	0.0007824	0.869463	7.378175	1.59549	25.95483	30.5099644	127.2064		
118.935001	9.501863569	0.0007922	0.9189	7.544341	1.71205	31.27385	34.9831365	134.9037		
94.5598042	4.200366174	0.0006374	0.63105	10.01468	1.22805	15.00614	15.4645436	110.1762		
96.7770837	4.604079635	0.0006375	0.675346	8.82253	1.28448	15.0632	16.9509007	110.2765		

1059	490329.25	3859865.26	9.70956	11.57624	24.109	14.42395	16.62543	9.7252	10.0091	11.57624	99.6288978	5.209836595	0.0006116	0.747181	7.666823	1.34543	17.28086	19.1811241	112.6985
1060	490379.25	3859865.26	10.05333	13.50288	26.55994	15.42613	15.04323	10.24167	11.5099	13.50288	103.15629	6.07691257	0.0006738	0.799095	6.937191	1.41688	19.87189	22.3734492	115.8855
1061	490429.25	3859865.26	10.44476	15.54597	26.88234	15.88254	15.62255	10.85346	12.6771	15.54597	107.172717	6.996396362	0.0006819	0.822738	7.204345	1.50152	21.88719	25.7587248	119.8269
1062	490229.25	3859915.26	8.8257	7.94825	22.51289	11.10043	23.40267	7.67815	8.15852	7.94825	90.559692	3.577075434	0.0005711	0.575018	10.79215	1.06223	14.08577	13.1697658	107.4827
1063	490279.25	3859915.26	8.94775	8.61101	23.4762	11.65738	20.88203	7.97398	8.23653	8.61101	91.8120358	3.875347697	0.0005955	0.603869	9.629756	1.10316	14.22045	14.2679187	106.9773
1064	490329.25	3859915.26	9.12054	9.36471	22.6333	12.33384	18.40062	8.29716	8.22816	9.36471	93.585018	4.214547112	0.0005742	0.63891	8.485453	1.14787	14.206	15.5167537	106.7616
1065	490379.25	3859915.26	9.3461	10.16478	22.61564	13.6576	16.01147	8.65492	8.70701	10.16478	95.8994683	4.574615145	0.0005737	0.707483	7.383695	1.19737	15.03274	16.8424209	107.9535
1066	490429.25	3859915.26	9.6196	11.59978	24.88744	14.59631	14.6678	9.04218	10.0546	11.59978	98.7058265	5.22043067	0.0006313	0.756109	6.764061	1.25094	17.35939	19.2201285	110.8373
1067	490451.43	3859872.59	10.47895	15.74633	26.814	15.75612	15.68262	10.84518	12.6909	15.74633	107.523537	7.086567511	0.0006802	0.816189	7.232046	1.50038	21.91092	26.0907091	119.9796
1068	490501.43	3859872.59	10.89225	17.83195	28.4696	15.58244	15.97	11.62717	14.7738	17.83195	111.764371	8.025191744	0.0007222	0.807192	7.364571	1.60856	25.50715	29.5464543	125.5313
1069	490551.43	3859872.59	11.32768	20.21373	27.76166	15.40676	16.0561	12.64581	17.4546	20.21373	116.232278	9.097101501	0.0007043	0.798092	7.404276	1.74949	30.13561	33.4929186	131.9246
1070	490601.43	3859872.59	11.77083	22.92157	24.96979	17.36871	15.89572	13.90594	20.3786	22.92157	120.779399	10.31575315	0.0006334	0.899723	7.330317	1.92382	35.18386	37.9796444	138.4539
1071	490451.43	3859922.59	9.65026	11.83686	25.25713	14.66836	14.80299	8.99338	10.2199	11.83686	99.0204259	5.327127496	0.0006407	0.759842	6.826404	1.24419	17.64471	19.6129556	111.2104
1072	490501.43	3859922.59	9.9708	13.52229	26.06111	14.97014	15.31522	9.44883	11.2631	13.52229	102.309457	6.085647956	0.0006611	0.775474	7.062619	1.3072	19.44593	22.4056104	114.5814
1073	490551.43	3859922.59	10.32614	15.35509	25.7732	14.85392	15.6317	10.02518	12.1988	15.35509	105.955568	6.910491646	0.0006538	0.769454	7.208564	1.38693	21.0614	25.4424483	117.8506
1074	490601.43	3859922.59	10.69648	17.29225	26.72588	14.6583	15.73212	10.67608	14.422	17.29225	109.755593	7.7823021	0.000678	0.75932	7.254873	1.47698	24.89966	28.6522043	123.2772
1075	482129.67	3852241.07	7.55162	13.22163	5.90191	3.22107	6.92444	3.46026	13.3126	13.22163	77.4864749	5.950337227	0.0001497	0.166856	3.193208	0.47871	22.98429	21.9074351	88.35259
1076	482029.67	3852291.07	8.27619	16.2367	6.31176	3.44568	7.82282	3.82244	16.3643	16.2367	84.9212207	7.307256402	0.0001601	0.178491	3.607496	0.52882	28.25315	26.9032223	97.89337
1077	482079.67	3852291.07	8.17914	14.99952	5.94193	3.33006	7.62104	3.68478	15.1142	14.99952	83.9253996	6.75046891	0.0001507	0.172502	3.514445	0.50977	26.09475	24.8532904	96.1142
1078	482129.67	3852291.07	7.91186	13.95106	5.84943	3.25701	7.36615	3.56826	14.0591	13.95106	81.1828642	6.278614035	0.0001484	0.168718	3.396903	0.49365	24.27313	23.1160561	92.67797
1079	482179.67	3852291.07	7.48632	12.95988	5.98274	3.24866	7.06592	3.52443	13.0583	12.95988	76.8164376	5.832537775	0.0001518	0.168285	3.258452	0.48759	22.54532	21.4737313	87.63504
1080	482229.67	3852291.07	7.00685	12.16046	6.27606	3.30761	6.72326	3.5899	12.2618	12.16046	71.8966402	5.472762272	0.0001592	0.171339	3.100434	0.49665	21.17012	20.1491411	82.15896
1081	482029.67	3852341.07	8.47042	17.86487	6.74751	3.58773	8.07336	3.98448	17.5496	17.86487	86.9141967	8.040007247	0.0001712	0.185849	3.723033	0.55123	30.29948	29.6010007	100.113
1082	482079.67	3852341.07	8.44167	15.80964	6.15768	3.45728	7.94358	3.83241	15.9364	15.80964	86.6191957	7.115059901	0.0001562	0.179092	3.663185	0.5302	27.51432	26.1956099	99.4256
1083	482129.67	3852341.07	8.26118	14.63927	5.90307	3.33618	7.74973	3.69382	14.759	14.63927	84.7672044	6.58833996	0.0001497	0.172819	3.573791	0.51102	25.48158	24.2563781	96.83853
1084	482179.67	3852341.07	7.88281	13.62562	5.90719	3.27057	7.50355	3.57925	13.7369	13.62562	80.8847848	6.132151174	0.0001499	0.16942	3.460265	0.49517	23.71693	22.5768219	92.28205
1085	482259.06	3852400.14	7.4423	12.95859	6.37268	3.22876	7.5183	3.7581	13.0661	12.95859	76.3647524	5.831957216	0.0001617	0.167254	3.467067	0.51991	22.5587	21.4715938	87.43822
1086	482309.06	3852400.14	6.88451	12.16831	6.61044	3.30105	7.22925	3.8351	12.2722	12.16831	70.6413208	5.476295131	0.0001677	0.170999	3.333771	0.53057	21.18804	20.162148	81.17902
1087	482209.06	3852450.14	8.5362	14.89218	6.20149	3.37606	8.11578	3.77654	15.3486	14.89218	87.5891592	6.702161008	0.0001573	0.174885	3.742595	0.52247	26.49957	24.6754346	100.5556
1088	482259.06	3852450.14	7.9619	13.41018	6.25238	3.27842	7.92038	3.73591	13.5234	13.41018	81.69632	6.035193337	0.0001586	0.169827	3.652486	0.51684	23.34836	22.2198509	93.19933
1089	482309.06	3852450.14	7.29853	12.71098	6.45411	3.27545	7.68308	3.86511	12.827	12.71098	74.8895418	5.72052141	0.0001637	0.169673	3.543055	0.53472	22.14598	21.0613191	85.94233
1090	482209.06	3852500.14	9.01295	17.44771	6.28383	3.54405	8.37461	3.93645	17.6043	17.44771	92.4810469	7.852266199	0.0001594	0.183587	3.861954	0.54459	30.394	28.9097921	106.4078
1091	482259.06	3852500.14	8.53874	14.39732	6.16211	3.39207	8.25555	3.78816	15.1745	14.39732	87.615222	6.479451412	0.0001563	0.175714	3.80705	0.52407	26.19886	23.8554817	100.945
1092	482309.06	3852500.14	7.82516	13.24473	6.30042	3.30792	8.0772	3.86947	13.3598	13.24473	80.2932435	5.960733282	0.0001598	0.171355	3.724804	0.53532	23.06586	21.9457104	91.80577
1093	482283.91	3852513.62	8.36339	13.82906	6.19521	3.36799	8.25669	3.77141	14.2036	13.82906	85.8159718	6.223708464	0.0001572	0.174467	3.807576	0.52176	24.52257	22.9139096	98.1523
1094	482333.91	3852513.62	7.58255	12.9804	6.4519	3.29483	8.06044	3.93617	13.0944	12.9804	77.8038447	5.841772712	0.0001637	0.170677	3.717075	0.54455	22.60755	21.5077317	89.1779
1095	482283.91	3852563.62	8.99549	16.54474	6.22571	3.52019	8.50874	3.90813	17.3827	16.54474	92.3018915	7.445888468	0.0001579	0.182351	3.923809	0.54067	30.01141	27.4136258	106.9925
1096	482333.91	3852563.62	8.1942	13.52946	6.3712	3.3621	8.38277	3.91566	13.6443	13.52946	84.0799289	6.088874784	0.0001616	0.174161	3.865717	0.54171	23.55706	22.4174906	95.89012
1097	482383.91	3852563.62	7.31055	12.6615	6.73036	3.28451	8.1849	4.06556	12.7727	12.6615	75.0128779	5.698253151	0.0001707	0.170142	3.77447	0.56245	22.05218	20.9793338	86.29121
1098	482283.91	3852613.62	9.63138	19.87973	6.14652	3.74877	8.69648	4.09976	20.4498	19.87973	98.8267	8.94678625	0.0001559	0.194192	4.010385	0.56718	35.3067	32.939501	114.9126
1099	482333.91	3852613.62	8.93179	15.87892	6.26854	3.58407	8.63778	3.9157	17.0235	15.87892	91.6482717	7.146239065	0.000159	0.18566	3.983315	0.54172	29.39119	26.3104026	106.5862
1100	482383.91	3852613.62	7.94259	13.2474	6.59183	3.38417	8.50883	4.05667	13.3582	13.2474	81.4981819	5.961934904	0.0001672	0.175305	3.92385	0.56122	23.06314	21.9501344	93.23366
1101	482602.38	3852600.87	6.04759	10.28926	8.79789	4.26401	7.11502	4.06275	10.2486	10.28926	62.053762	4.630636829	0.0002232	0.220882	3.281094	0.56206	17.69438	17.0486767	71.39436
1102	482652.38	3852600.87	6.00749	9.67131	7.12856	4.09458	6.66633	4.04441	9.7889	9.67131	61.6422997	4.352531112	0.0001808	0.212105	3.07418	0.55952	16.90064	16.0247712	70.71669
1103	482702.38	3852600.87	6.05756	9.95516	6.71985	4.21722	6.19835	3.98075	10.065	9.95516	62.1560633	4.480276574	0.0001705	0.218458	2.858371	0.55072	17.37738	16.4950934	71.14634
1104	482552.38	3852650.87	6.20399	11.12129	9.77663	4.35853	8.025	4.23376	11.2243	11.12129	63.658568	5.005088321	0.000248	0.225778	3.700732	0.58572	19.37892	18.4272997	74.12775
1105	482602.38	3852650.87	6.09736	10.52638	9.38597	4.39389	7.67345	4.17974	10.597	10.52638	62.5644474	4.737351657	0.0002381	0.22761	3.538614	0.57825	18.29576	17.4415701	72.5007
1106	482652.38	3852650.87	6.03321	10.04074	7.93926	4.24302	7.26308	4.1375	10.15	10.04074	61.9062102	4.518791481	0.0002014	0.219794	3.349372	0.5724	17.52399	16.6368942	71.45387
1107	482702.38	3852650.87	5.98336	9.58757	6.62141	4.03505	6.80943	4.11676	9.70088	9.58757	61.394704	4.314844289	0.000168	0.209021	3.140171	0.56953	16.74867	15.8860191	70.49109
1108	482552.38	3852700.87	6.36621	11.63153	9.89583	4.33027	8.47109	4.34476	11.7463	11.63153	65.3230924	5.23471962	0.000251	0.224314	3.906446	0.60108	20.28004	19.2727363	76.2972
1109	482602.38	3852700.87	6.16357	11.04043	9.84493	4.47573	8.17667	4.28975	11.15	11.04043	63.2438221	4.968697629	0.0002497	0.231849	3.770674	0.59347	19.25064	18.2933196	73.76608
1110	482652.38	3852700.87	6.03654	10.58801	8.71747	4.32455	7.79517	4.24869	10.695	10.58801	61.940379	4.765087971	0.0002211	0.224018	3.594745	0.58779	18.46508	17.5436872	72.03363
1111	482702.38	3852700.87	5.99037	10.04687	7.10655	4.15161	7.39771	4.21712	10.1577	10.04687	61.4666329	4.521550261	0.0001803	0.215059	3.411457	0.58342	17.53741	16.6470512	71.08865
1112	482452.38	3852750.87	8.70324	14.70514	6.85412	3.84727	9.01429	4.2365	14.8117	14.70514	89.3031412	6.617984468	0.0001739	0.199294	4.156943	0.5861	25.57258	24.3655207	102.0707
1113	482521.29	3852749.74	7.04986	12.78799	9.18574	3.77022	8.9139	4.42062	12.844	12.78799	72.3379619	5.755179426	0.000233	0.195303	4.110648	0.61157	22.1753	21.18892	83.99727
1114	482571.29	3852749.74	6.43392	12.30701	10.11977	4.34507	8.74438	4.42408	11.9461	12.30701	66.0178585	5.538716464	0.0002567	0.225081	4.032474	0.61205	20.62505	20.3919655	76.65952
1115	482521.29	3852799.74	7.73425	13.79199	8.90734	3.83762	9.11981	4.45066	13.8955	13.79199	79.3604244	6.207025271	0.000226	0.198794	4.205604	0.61573	23.9907	22.8524868	91.72602
1116	482571.29	3852799.74	6.70964	13.74502	10.12157	4.1484	9.04133	4.50733	12.6159	13.74502	68.8469959	6.185886626	0.0002568	0.214893	4.169413	0.62357	21.78139	22.7746604	79.04774
1117	482621.29	3852799.74	6.37431	12.40537	10.36353	4.56474	8.88577	4.47134	11.7233	12.40537	65.4062058	5.582982955	0.0002629	0.23646	4.097676	0.61859	20.24043	20.554942	75.62766

1118	482571.29	3852849.74	7.25931	15.36807	10.06571	3.91652	9.25286	4.58125	13.7007	15.36807
1119	482621.29	3852849.74	6.69294	13.56242	10.68359	4.53215	9.19607	4.58526	12.4227	13.56242
1120	482577.42	3852901.55	8.02426	17.25093	10.08891	4.15327	9.37492	4.65025	15.2452	17.25093
1121	482627.42	3852901.55	7.02821	14.78968	10.96538	4.44862	9.41266	4.70389	13.3584	14.78968
1122	482629.96	3852955.85	7.46198	16.56742	11.13852	4.26643	9.51282	4.81121	15.0571	16.56742
1123	482679.96	3852955.85	6.77644	14.18387	11.12187	4.88829	9.56732	4.78577	13.1484	14.18387
1124	482781.63	3853034.48	6.64095	11.97885	8.6803	5.4043	9.81385	4.79032	12.0936	11.97885
1125	482831.63	3853034.48	6.56451	10.94691	9.52892	5.17478	9.76659	4.66965	11.0703	10.94691
1126	482881.63	3853034.48	6.4657	10.41181	11.09786	4.83672	9.62194	4.59471	10.5544	10.41181
1127	482781.63	3853084.48	6.77596	12.99123	9.67633	5.58665	9.90278	4.96366	13.1505	12.99123
1128	482831.63	3853084.48	6.70322	11.66314	9.25295	5.49059	9.96806	4.81262	11.7958	11.66314
1129	482881.63	3853084.48	6.60802	10.82453	11.01872	5.14172	9.92979	4.70516	10.9604	10.82453
1130	482781.63	3853134.48	6.91283	12.99552	10.66962	5.61147	9.85434	5.15519	13.2622	12.99552
1131	482831.63	3853134.48	6.83786	12.11558	8.99013	5.76189	10.03312	4.97867	12.3193	12.11558
1132	482881.63	3853134.48	6.74745	11.22113	10.93974	5.44327	10.10352	4.83643	11.3831	11.22113
1133	482831.63	3853184.48	6.97692	11.517	8.96398	5.95732	9.95893	5.17347	11.7451	11.517
1134	482881.63	3853184.48	6.89812	11.10737	10.82929	5.77446	10.14585	4.98663	11.3179	11.10737
1135	484154.84	3854250.98	10.75959	3.03635	9.71052	10.39858	16.74305	6.71112	8.18765	3.03635
1136	484204.84	3854250.98	10.86358	2.87952	10.06108	10.96319	16.60929	6.57279	7.59603	2.87952
1137	484154.84	3854300.98	11.0973	3.23125	9.64482	9.86867	16.49596	6.65604	8.45512	3.23125
1138	484204.84	3854300.98	11.17261	2.94937	11.46435	11.05023	16.79494	6.84647	8.23365	2.94937
1139	484074.19	3854519.8	11.83886	2.9215	15.95335	18.41418	12.46143	10.50696	10.3466	2.9215
1140	484124.19	3854519.8	12.17332	3.0926	14.73774	19.86668	10.45018	10.53526	8.82137	3.0926
1141	484074.19	3854569.8	12.10259	2.56986	14.22122	29.37499	15.25926	10.12957	11.1174	2.56986
1142	484124.19	3854569.8	12.53058	2.78545	11.17053	23.22334	12.92357	10.59292	10.7311	2.78545
1143	485205.11	3855188.89	11.31704	2.4858	8.96069	22.53204	23.40372	9.72793	9.95845	2.4858
1144	485255.11	3855188.89	11.04847	2.25806	8.30721	18.99196	23.63831	8.57043	9.03632	2.25806
1145	485205.11	3855238.89	11.81488	2.60369	9.31353	31.66968	22.50241	12.12527	11.8004	2.60369
1146	485255.11	3855238.89	11.39919	2.46373	8.95322	24.76828	23.66795	9.79601	9.44175	2.46373
1147	485205.11	3855288.89	12.05268	2.67174	10.69156	43.86556	21.02011	16.09082	15.1578	2.67174
1148	485255.11	3855288.89	11.63499	2.60478	10.14067	33.3747	22.90486	13.16215	12.6064	2.60478
1149	485255.11	3855338.89	11.98829	2.64121	11.60144	45.91893	21.66704	16.49593	15.3962	2.64121
1150	485305.11	3855338.89	11.54662	2.5846	11.68121	34.52903	23.18108	13.7723	13.2164	2.5846
1151	485852.5	3855635.28	9.17323	1.94655	12.56047	17.3495	29.57739	8.17268	8.31014	1.94655
1152	485902.5	3855635.28	8.88422	1.96838	11.09253	15.23147	28.16109	7.33236	7.49682	1.96838
1153	485852.5	3855685.28	9.48424	1.92615	12.82842	20.12764	31.04326	9.30309	9.22876	1.92615
1154	485902.5	3855685.28	9.1754	1.90518	12.2608	17.71879	30.41616	8.38275	8.47485	1.90518
1155	485852.5	3855735.28	9.84455	2.07498	13.98742	23.20598	31.40176	10.36469	9.89203	2.07498
1156	485902.5	3855735.28	9.45807	1.92667	13.51709	20.38971	31.90742	9.40556	9.24149	1.92667
1157	485852.5	3855785.28	10.216	2.16186	14.13465	27.87765	33.00421	11.65611	10.3937	2.16186
1158	485902.5	3855785.28	9.84138	2.06707	13.2869	23.51946	32.11955	10.38886	9.77614	2.06707
1159	486809.46	3856465.28	9.10985	1.59367	9.44501	16.16474	68.63317	7.64434	6.60221	1.59367
1160	486859.46	3856465.28	8.88242	1.61867	9.26327	14.69246	81.39382	7.13194	6.33262	1.61867
1161	486909.46	3856465.28	8.6845	1.64483	9.0031	13.52911	88.8804	6.72869	6.1085	1.64483
1162	486809.46	3856515.28	9.38122	1.55607	9.74407	18.36481	76.86825	8.27021	6.96436	1.55607
1163	486859.46	3856515.28	9.11925	1.57893	9.63311	16.32805	75.52761	7.66466	6.62227	1.57893
1164	486909.46	3856515.28	8.89126	1.60331	9.42636	14.80638	88.26217	7.19428	6.33697	1.60331
1165	486980.94	3856357.95	8.06126	1.82012	8.54511	10.48801	80.90943	5.40112	5.53075	1.82012
1166	487030.94	3856357.95	7.91553	1.86845	8.62139	9.78378	77.59981	5.0791	5.31633	1.86845
1167	486980.94	3856407.95	8.20725	1.75581	7.43229	11.26853	87.332	5.81914	5.69583	1.75581
1168	487030.94	3856407.95	8.05524	1.79723	7.13038	10.56145	84.91611	5.49768	5.50685	1.79723
1169	487447.18	3856437.45	7.08056	2.18494	6.99225	6.29412	93.29762	3.45942	3.93728	2.18494
1170	487497.18	3856437.45	6.97556	2.23163	7.09053	5.79724	90.35433	3.42572	3.75617	2.23163
1171	487547.18	3856437.45	6.87103	2.27129	7.18648	5.2968	87.17469	3.51473	3.58319	2.27129
1172	487447.18	3856487.45	7.18153	2.09809	6.78809	6.91186	104.2934	3.7748	4.17684	2.09809
1173	487497.18	3856487.45	7.07465	2.14729	6.59339	6.44723	100.8247	3.56428	3.98858	2.14729
1174	487547.18	3856487.45	6.96523	2.1925	6.40297	5.97406	97.66199	3.67657	3.81099	2.1925
1175	487447.18	3856537.45	7.29239	2.01391	7.82462	7.43284	111.542	4.05031	4.39288	2.01391
1176	487497.18	3856537.45	7.18265	2.06338	7.58803	7.01205	107.9224	3.83295	4.21022	2.06338

74.487109	6.916333238	0.0002553	0.202881	4.26696	0.63379	23.65435	25.4639553	84.69772
68.6756387	6.103708289	0.000271	0.234772	4.240771	0.63435	21.44787	22.4721033	78.86527
82.3361902	7.763706214	0.0002559	0.215145	4.323248	0.64334	26.32099	28.5837396	93.01914
72.1158132	6.656031328	0.0002782	0.230445	4.340652	0.65076	23.06343	24.5055983	82.55181
76.5666871	7.456095503	0.0002826	0.221007	4.38684	0.66561	25.99627	27.4512052	87.84159
69.5324245	6.383389165	0.0002821	0.25322	4.411973	0.66209	22.70083	23.5018081	80.4424
68.1421742	5.391029479	0.0002202	0.27995	4.52566	0.66272	20.87971	19.8482244	80.03323
67.3578304	4.926609359	0.0002417	0.268061	4.503866	0.64602	19.11297	18.1383627	78.67724
66.3439501	4.685789925	0.0002815	0.250549	4.437161	0.63566	18.22226	17.2517346	77.32391
69.5274993	5.846646707	0.0002455	0.289396	4.566671	0.6867	22.70452	21.5256763	82.096
68.7811209	5.248945563	0.0002347	0.28442	4.596774	0.6658	20.36562	19.3251121	80.61781
67.8042825	4.871532771	0.0002795	0.266348	4.579126	0.65094	18.92331	17.9355865	79.16023
70.9319097	5.848577403	0.0002707	0.290682	4.544332	0.7132	22.89739	21.5327846	83.69357
70.1626495	5.452564223	0.0002281	0.298474	4.626777	0.68877	21.26943	20.0747776	82.42412
69.2349608	5.05002088	0.0002775	0.281969	4.659242	0.6691	19.65302	18.5927285	80.95586
71.5895313	5.18317589	0.0002274	0.308597	4.592564	0.71572	20.27802	19.0829671	83.58487
70.7809718	4.998823686	0.0002747	0.299125	4.678762	0.68988	19.54049	18.4042351	82.58408
110.403159	1.366496146	0.0002463	0.538661	7.721064	0.92845	14.13606	5.03104689	130.0631
111.47019	1.295915485	0.0002552	0.567909	7.65938	0.90931	13.11462	4.77118914	130.2464
113.86837	1.454210046	0.0002447	0.511211	7.607118	0.92083	14.59785	5.35398431	133.6058
114.641119	1.327351174	0.0002908	0.572417	7.744993	0.94718	14.21548	4.88692633	134.5619
121.477448	1.314808402	0.0004047	0.95388	5.746593	1.45359	17.86358	4.84074744	143.9696
124.909311	1.391811215	0.0003739	1.029122	4.819104	1.4575	15.23018	5.12424971	143.7132
124.183557	1.156554345	0.0003608	1.521665	7.036813	1.40138	19.19434	4.25810139	150.2366
128.575123	1.253579689	0.0002834	1.203001	5.959709	1.46548	18.52728	4.61532088	152.3691
116.123101	1.118723507	0.0002273	1.167191	10.79263	1.34581	17.19336	4.11881909	143.6222
113.36733	1.016230108	0.0002107	0.98381	10.90082	1.18568	15.6013	3.74146779	139.3139
121.231392	1.17177939	0.0002363	1.640534	10.37699	1.67747	20.37348	4.31415564	152.1577
116.966035	1.108790999	0.0002271	1.283031	10.91448	1.35523	16.30128	4.08225045	143.8468
123.671436	1.202404997	0.0002712	2.272297	9.693431	2.22609	26.17003	4.42691034	160.809
119.385557	1.17226994	0.0002572	1.728856	10.56258	1.82092	21.76508	4.3159617	152.1196
123.010736	1.188665103	0.0002943	2.378665	9.991763	2.28213	26.58175	4.37632399	161.0577
118.478801	1.163188018	0.0002963	1.788652	10.68996	1.90533	22.81818	4.28252467	152.5619
94.1256652	0.876036384	0.0003186	0.898728	13.63962	1.13065	14.34754	3.22531471	121.7932
91.1601603	0.88586088	0.0002814	0.789011	12.9865	1.0144	12.94334	3.26148569	116.5181
97.3169101	0.866855452	0.0003254	1.04264	14.31561	1.28704	15.93355	3.19151315	127.5714
94.1479314	0.857417995	0.000311	0.917858	14.02642	1.15971	14.63191	3.15676714	122.5848
101.014018	0.933835748	0.0003548	1.202102	14.48093	1.4339	17.07869	3.43811539	132.7057
97.0483821	0.867089476	0.0003429	1.056215	14.71412	1.30121	15.95553	3.19237476	127.7505
104.825432	0.972935715	0.0003586	1.444101	15.2199	1.61257	17.94481	3.58207026	138.438
100.981491	0.930275887	0.0003371	1.218341	14.81194	1.43725	16.8786	3.425009	132.8332
93.4753289	0.71722427	0.0002396	0.837356	31.65021	1.05756	11.39878	2.64061406	136.4961
91.1416907	0.728475412	0.000235	0.76109	37.53479	0.98667	10.93333	2.68203753	139.4042
89.1108518	0.740248606	0.0002284	0.700827	40.98723	0.93088	10.54639	2.72538306	140.2913
96.2598314	0.700302553	0.0002472	0.951323	35.44782	1.14414	12.02404	2.57831315	143.9494
93.5717814	0.710590597	0.0002444	0.845816	34.82958	1.06037	11.43342	2.61619078	139.8356
91.2323971	0.721562711	0.0002391	0.766991	40.70213	0.99529	10.94084	2.65658695	142.7029
82.7158438	0.819137111	0.0002168	0.543294	37.31141	0.74722	9.548896	3.01582791	128.6702
81.2205217	0.840887817	0.0002187	0.506813	35.78518	0.70267	9.178698	3.09590777	125.1391
84.2138337	0.790194674	0.0001885	0.583726	40.27318	0.80505	9.833908	2.90927016	133.5908
82.6540731	0.808835565	0.0001809	0.547098	39.15909	0.76058	9.507632	2.97790057	130.4596
72.6529717	0.983322769	0.0001774	0.326044	43.02423	0.47859	6.797754	3.62031241	120.6428
71.5755764	1.004335401	0.0001799	0.300305	41.66693	0.47393	6.485066	3.69767489	117.8087
70.5030038	1.022184212	0.0001823	0.274382	40.20064	0.48625	6.186414	3.7633891	114.9097
73.6890156	0.944236303	0.0001722	0.358044	48.09492	0.52223	7.211357	3.47640725	127.3436
72.5923298	0.96637855	0.0001673	0.333976	46.49532	0.4931	6.886324	3.55792866	124.2097
71.4695813	0.986725114	0.0001624	0.309465	45.03686	0.50864	6.579713	3.63283887	121.2583
74.8265398	0.906351459	0.0001985	0.385031	51.43765	0.56034	7.584352	3.33692612	132.3635
73.7005078	0.928615218	0.0001925	0.363234	49.76844	0.53027	7.268988	3.4188949	129.1414

1177	487547.18	3856537.45	7.06468	2.11169	7.36855	6.57362	104.7484	3.84682	4.02942	2.11169	72.4900285	0.950356924	0.0001869	0.340523	48.30476	0.53219	6.956834	3.49894162	126.0759
1178	489285.89	3858826.54	11.14398	6.36235	11.47042	33.46235	40.41272	13.78117	6.4871	6.36235	114.347349	2.863348018	0.000291	1.733396	18.63634	1.90656	11.20004	10.5420262	140.1453
1179	489335.89	3858826.54	10.77147	5.89277	11.78479	27.39521	35.17118	12.77367	5.73978	5.89277	110.525058	2.652015576	0.000299	1.41911	16.2192	1.76717	9.909788	9.76396073	132.7287
1180	489385.89	3858826.54	10.413	5.68574	11.90524	23.34294	30.0196	11.90995	4.89082	5.68574	106.846831	2.558842623	0.000302	1.209197	13.84355	1.64768	8.44405	9.42092464	125.1295
1181	489435.89	3858826.54	10.06152	5.44445	11.85564	20.57062	27.66704	11.17293	4.5958	5.44445	103.240327	2.450251105	0.0003008	1.065587	12.75867	1.54572	7.934695	9.02112182	119.9744
1182	489485.89	3858826.54	9.71883	5.23112	11.64629	18.51412	28.06967	10.60955	4.34188	5.23112	99.7240164	2.354242864	0.0002954	0.959057	12.94434	1.46778	7.4963	8.66764701	116.2784
1183	489535.89	3858826.54	9.3873	5.03314	24.51349	16.88892	28.06782	10.26121	4.12491	5.03314	96.3222177	2.265142824	0.0006219	0.87487	12.94349	1.41959	7.121699	8.33960622	112.608
1184	489585.89	3858826.54	9.06525	4.86036	27.5081	15.57213	27.53104	9.9587	3.94223	4.86036	93.0176924	2.187383934	0.0006978	0.806658	12.69595	1.37774	6.8063	8.05332029	108.8391
1185	489635.89	3858826.54	8.75618	4.693	25.17588	14.48618	26.55281	9.68139	3.7902	4.693	89.8463537	2.112064292	0.0006387	0.750404	12.24484	1.33937	6.543819	7.77601497	105.0615
1186	489685.89	3858826.54	8.45833	4.5316	18.34186	13.58213	25.1953	9.4274	3.72659	4.5316	86.7901424	2.039426922	0.0004653	0.703573	11.61882	1.30423	6.433995	7.508585	101.3821
1187	489735.89	3858826.54	8.17192	4.37224	27.26085	12.80602	26.90695	9.19127	3.66776	4.37224	83.8513158	1.967707646	0.0006915	0.66337	12.40815	1.27157	6.332425	7.2445352	99.25069
1188	489785.89	3858826.54	7.8908	4.23653	15.84178	12.14805	29.04619	8.99491	3.43056	4.23653	80.9667695	1.906631949	0.0004019	0.629286	13.39466	1.2444	5.922897	7.019672	97.04538
1189	489835.89	3858826.54	7.62637	4.08572	11.12034	11.5399	30.8559	8.76067	3.35866	4.08572	78.2534777	1.838760563	0.0002821	0.597783	14.22921	1.212	5.798761	6.76978902	95.16048
1190	489885.89	3858826.54	7.36425	3.96152	17.59885	11.08067	32.1906	8.55599	3.28833	3.96152	75.5638886	1.782864891	0.0004464	0.573994	14.84471	1.18368	5.677335	6.56399719	93.06292
1191	489935.89	3858826.54	7.11355	3.83531	16.01597	10.69812	33.10449	8.40284	3.21788	3.83531	72.9914791	1.726064628	0.0004063	0.554178	15.26615	1.16249	5.555702	6.35487491	90.90159
1192	489985.89	3858826.54	6.87456	3.70752	9.66543	10.36725	33.5901	8.39231	3.14548	3.70752	70.5392248	1.668553293	0.0002452	0.537038	15.49009	1.16104	5.430703	6.14313467	88.68375
1193	490035.89	3858826.54	6.65254	3.56705	12.77073	10.0645	35.58429	8.32352	3.19511	3.56705	68.2610981	1.605335379	0.000324	0.521355	16.40971	1.15152	5.51639	5.91038444	87.55534
1194	489285.89	3858876.54	11.3805	7.47424	12.15393	38.18742	43.54136	15.50805	7.58015	7.47424	116.774259	3.363749289	0.0003083	1.978162	20.07911	2.14546	13.08721	12.3843601	145.0439
1195	489335.89	3858876.54	11.05572	6.90304	11.69817	30.6363	38.66566	14.26399	7.03594	6.90304	113.441721	3.106683207	0.0002968	1.587003	17.83068	1.97335	12.14762	11.4379165	138.6494
1196	489385.89	3858876.54	10.72181	6.17956	11.04896	25.78741	33.61078	13.24615	6.31201	6.17956	110.015501	2.781084172	0.0002803	1.335824	15.49962	1.83254	10.89775	10.2391543	132.1234
1197	489435.89	3858876.54	10.3885	5.82603	10.91165	22.3559	28.62444	12.38655	5.44367	5.82603	106.595438	2.621979529	0.0002768	1.158067	13.20017	1.71362	9.398551	9.65337662	125.0347
1198	489485.89	3858876.54	10.05904	5.62522	11.15389	19.84038	26.88475	11.64522	4.68455	5.62522	103.21488	2.531605859	0.000283	1.027759	12.39791	1.61106	8.087923	9.32064669	119.5508
1199	489535.89	3858876.54	9.73673	5.39754	20.21615	17.93199	27.1818	10.99079	4.41012	5.39754	99.9076866	2.429139463	0.0005128	0.928902	12.5349	1.52052	7.614117	8.94339481	115.9924
1200	489585.89	3858876.54	9.42527	5.17013	29.35921	16.41848	27.31152	10.39237	4.1515	5.17013	96.7118243	2.326794579	0.0007448	0.8505	12.59472	1.43773	7.167607	8.5665903	112.5233
1201	489635.89	3858876.54	9.115	4.98544	28.2164	15.18609	26.88041	9.86379	4.03564	4.98544	93.5281726	2.243675646	0.0007158	0.786661	12.39591	1.36461	6.967573	8.26057022	109.0267
1202	489685.89	3858876.54	8.81566	4.80654	17.80047	14.1516	26.01964	9.4101	3.90978	4.80654	90.4566725	2.163162477	0.0004516	0.733073	11.99897	1.30184	6.750275	7.96414383	105.4403
1203	489735.89	3858876.54	8.52795	4.6349	27.4924	13.27997	24.78929	9.07984	3.82854	4.6349	87.5045068	2.085916639	0.0006974	0.687921	11.43159	1.25615	6.610013	7.67974681	101.897
1204	489785.89	3858876.54	8.24248	4.49073	15.39982	12.54648	25.09097	8.7846	3.81237	4.49073	84.5753255	2.021033556	0.0003907	0.649925	11.57071	1.21531	6.582095	7.44086591	99.17392
1205	489835.89	3858876.54	7.97097	4.34087	13.94133	11.89345	27.30654	8.51106	3.55449	4.34087	81.7893865	1.953589713	0.0003537	0.616097	12.59242	1.17746	6.136863	7.19255702	97.07362
1206	489885.89	3858876.54	7.69749	4.22327	20.06733	11.35353	29.11531	8.36866	3.35177	4.22327	78.9832335	1.900664343	0.0005091	0.588129	13.42654	1.15776	5.786865	6.99770099	94.846
1207	489935.89	3858876.54	7.44646	4.0772	15.55495	10.82913	30.64067	8.17051	3.28231	4.0772	76.4074378	1.834926174	0.0003946	0.560964	14.12996	1.13035	5.666941	6.7556719	92.9753
1208	489985.89	3858876.54	7.20607	3.92858	9.63719	10.41169	31.77982	7.96854	3.20918	3.92858	73.9408183	1.768040387	0.0002445	0.53934	14.65528	1.10241	5.540682	6.50941762	91.03739
1209	490035.89	3858876.54	6.97258	3.79161	19.31627	10.05544	32.49225	8.04778	3.13637	3.79161	71.5449989	1.706397633	0.00049	0.520886	14.98381	1.11337	5.414975	6.28246668	89.00246
1210	489285.89	3858926.54	11.5016	8.27378	16.19472	48.36635	46.05019	17.63603	8.37887	8.27378	118.016855	3.723578798	0.0004108	2.505444	21.23606	2.43986	14.4662	13.7091492	148.6793
1211	489335.89	3858926.54	11.2327	7.95389	12.00987	35.84367	41.68798	15.99297	8.06516	7.95389	115.257697	3.579613691	0.0003047	1.856752	19.22443	2.21255	13.92458	13.1791109	142.8768
1212	489385.89	3858926.54	10.95164	7.46244	12.40075	29.12783	36.9981	14.71725	7.59244	7.46244	112.373766	3.358438751	0.0003146	1.508862	17.06169	2.03606	13.10842	12.3648083	137.0827
1213	489435.89	3858926.54	10.6543	6.78193	11.28975	24.80936	32.1207	13.68646	6.91059	6.78193	109.322788	3.052178177	0.0002864	1.285159	14.81247	1.89345	11.9312	11.2372447	131.0603
1214	489485.89	3858926.54	10.35193	5.94098	10.79124	21.7087	27.34034	12.81944	6.05281	5.94098	106.220197	2.673712278	0.0002738	1.124541	12.60801	1.77351	10.45024	9.84384176	125.0066
1215	489535.89	3858926.54	10.04771	5.78849	14.36736	19.3659	26.15281	12.07409	5.06076	5.78849	103.098624	2.605084815	0.0003645	1.003181	12.06038	1.67039	8.737453	9.59117513	119.5843
1216	489585.89	3858926.54	9.74605	5.5681	28.84446	17.54395	26.34899	11.41673	4.47678	5.5681	100.003318	2.505899251	0.0007317	0.908801	12.15085	1.57945	7.729206	9.22600233	115.6522
1217	489635.89	3858926.54	9.44703	5.35122	30.84189	16.09525	26.53518	10.82919	4.21307	5.35122	96.9351017	2.408293348	0.0007824	0.833756	12.23671	1.49817	7.273908	8.86664539	112.3201
1218	489685.89	3858926.54	9.15704	5.11968	21.60643	14.89755	26.25179	10.28241	4.10027	5.11968	93.9595411	2.304089775	0.0005481	0.771714	12.10602	1.42252	7.079158	8.48299772	109.1606
1219	489735.89	3858926.54	8.86465	4.94098	27.37248	13.9053	25.47087	9.80121	3.99556	4.94098	90.9593543	2.223666616	0.0006944	0.720314	11.7459	1.35595	6.898375	8.18690271	105.7174
1220	489785.89	3858926.54	8.57767	4.77811	14.72952	13.06823	24.3045	9.35825	3.94302	4.77811	88.0146791	2.150367679	0.0003737	0.676953	11.20803	1.29467	6.807664	7.91703705	102.2357
1221	489835.89	3858926.54	8.30584	4.6051	17.54565	12.33953	23.35779	8.92781	3.96208	4.6051	85.2254566	2.072505279	0.0004451	0.639205	10.77145	1.23512	6.840571	7.63037002	99.15439
1222	489885.89	3858926.54	8.03417	4.46551	22.28531	11.72234	25.55161	8.65551	3.7364	4.46551	82.4378758	2.009683405	0.0005653	0.607234	11.78313	1.19745	6.450932	7.3990779	97.08779
1223	489935.89	3858926.54	7.77546	4.32362	14.06693	11.1639	27.49168	8.39586	3.45928	4.32362	79.7832764	1.945826426	0.0003568	0.578306	12.6778	1.16153	5.972482	7.16397482	94.9556
1224	489985.89	3858926.54	7.53165	4.16519	15.24727	10.608	29.14899	8.07201	3.31416	4.16519	77.2815645	1.874525691	0.0003868	0.549509	13.44207	1.11672	5.721931	6.90146597	93.08524
1225	490035.89	3858926.54	7.30615	3.98084	25.78477	10.13002	30.50974	7.97871	3.19384	3.98084	74.9677299	1.791559774	0.0006541	0.524749	14.06958	1.10382	5.514197	6.59600925	91.37627
1226	489335.89	3858976.54	11.33185	8.67257	17.46197	53.84964	44.21728	20.57343	8.77524	8.67257	116.275066	3.903052508	0.000443	2.789487	20.39081	2.84623	15.15054	14.3699199	146.9857
1227	489385.89	3858976.54	11.09218	8.42736	14.04771	36.14823	39.99547	17.69587	8.54298	8.42736	113.815834	3.792696811	0.0003564	1.872529	18.44393	2.44814	14.74954	13.9636219	141.1594
1228	489435.89	3858976.54	10.83362	8.0259	13.76059	28.69367	35.35025	15.79813	8.13997	8.0259	111.162774	3.612021479	0.0003491	1.486372	16.30178	2.18559	14.05374	13.2984271	135.5042
1229	489485.89	3858976.54	10.57181	7.39894	11.3187	24.32287	30.69286	14.44242	7.54304	7.39894	108.476365	3.329860851	0.0002871	1.259959	14.15402	1.99804	13.02314	12.2595926	129.9821
1230	489535.89	3858976.54	10.3027	6.55661	10.84577	21.3076	26.14275	13.40556	6.70875	6.55661	105.715052	2.950773889	0.0002751	1.103763	12.05574	1.85459	11.58272	10.8639032	124.399
1231	489585.89	3858976.54	10.02053	5.90651	25.06858	19.06029	25.4367	12.58347	5.71123	5.90651	102.819732	2.658199204	0.0006359	0.98735	11.73014	1.74086	9.860496	9.78672707	120.0107
1232	489635.89	3858976.54	9.74016	5.74234	32.3971	17.29193	25.52135	11.88096	4.607	5.74234	99.9428815	2.584315207	0.0008218	0.895746	11.76918	1.64367	7.954032	9.51470739	115.2759
1233	489685.89	3858976.54	9.4625	5.54307	26.239	15.86944	25.80767	11.26209	4.2728	5.54307	97.0938379	2.494634608	0.0006656	0.822059	11.90122	1.55806	7.377033	9.18452915	112.063
1234	489735.89	3858976.54	9.18078	5.32475	26.7777	14.709	25.57738	10.71739	4.05177	5.32475	94.2031351	2.396380639	0.0006793	0.761947	11.79502	1.4827	6.995422	8.82278621	108.8125
1235	489785.89	3858976.54	8.89685	5.13724	13.67315	13.74136	24.8799	10.23493	3.88384	5.13724	91.2897556	2.311992577	0.0003469	0.711822	11.47337	1.41595	6.705489	8.51209357	105.3966

1236	489835.89	3858976.54	8.62053	4.95744	22.05326	12.91421	23.82949	9.78392	4.05468	4.95744	88.4544616	2.231074367	0.0005594	0.668974	10.98898	1.35356	7.000446	8.21417593	102.4839
1237	489885.89	3858976.54	8.36416	4.73166	23.68284	12.17549	22.54862	9.33684	4.11395	4.73166	85.8238727	2.129463058	0.0006008	0.630707	10.3983	1.29171	7.102776	7.84007223	99.53736
1238	489935.89	3858976.54	8.10848	4.55189	11.36128	11.55031	23.96848	8.91903	3.90239	4.55189	83.2003639	2.048558349	0.0002882	0.598322	11.05307	1.2339	6.737516	7.5422043	97.32982
1239	489985.89	3858976.54	7.8568	4.39873	24.20884	10.99758	25.96263	8.49402	3.62305	4.39873	80.6178986	1.979629355	0.0006141	0.56969	11.97268	1.17511	6.255233	7.28842751	95.28242
1240	490035.89	3858976.54	7.66684	4.11471	28.74828	10.11139	27.99698	8.12102	3.29949	4.11471	78.6687366	1.851807386	0.0007293	0.523784	12.91082	1.1235	5.696603	6.81782368	93.95816
1241	489385.89	3859026.54	11.50714	9.0673	18.63441	64.12375	42.50499	25.76255	9.16186	9.0673	118.0737	4.080699032	0.0004727	3.3217	19.60119	3.56412	15.81804	15.0239635	149.436
1242	489435.89	3859026.54	11.08817	8.89272	17.07689	40.3823	38.33015	19.78534	8.98695	8.89272	113.774688	4.00213006	0.0004332	2.09186	17.67596	2.7372	15.51606	14.734695	141.0636
1243	489485.89	3859026.54	10.76234	8.58384	14.81708	29.8161	33.90198	17.43476	8.69112	8.58384	110.431376	3.863119956	0.0003759	1.544516	15.63391	2.41201	15.00531	14.2228997	134.6677
1244	489535.89	3859026.54	10.49701	8.03778	11.30701	24.52639	29.37906	15.68807	8.17878	8.03778	107.708849	3.617368022	0.0002868	1.270501	13.54816	2.17037	14.12075	13.3181116	129.1182
1245	489585.89	3859026.54	10.24624	7.25253	17.95276	21.23354	25.01011	14.3563	7.40715	7.25253	105.135722	3.263969666	0.0004554	1.099927	11.53342	1.98612	12.78852	12.0170002	123.7911
1246	489635.89	3859026.54	9.98728	6.23007	31.8519	18.91579	24.76693	13.33044	6.3977	6.23007	102.478557	2.803815978	0.000808	0.979864	11.42128	1.8442	11.04569	10.3228463	120.2514
1247	489685.89	3859026.54	9.72558	5.86435	31.51945	17.14511	24.73691	12.50015	5.24643	5.86435	99.7932775	2.639225279	0.0007996	0.888141	11.40743	1.72933	9.058015	9.71687052	115.7994
1248	489735.89	3859026.54	9.4561	5.65555	25.51781	15.7395	25.03504	11.81487	4.49907	5.65555	97.0281681	2.545255744	0.0006473	0.815328	11.54492	1.63453	7.76769	9.37090165	111.9656
1249	489785.89	3859026.54	9.18743	5.45971	14.48033	14.58404	24.87552	11.22299	4.29218	5.45971	94.2713701	2.457118802	0.0003673	0.755474	11.47135	1.55265	7.410492	9.04640671	108.8724
1250	489835.89	3859026.54	8.93267	5.2991	27.43068	13.60901	24.37151	10.6737	4.01857	5.2991	91.6573013	2.384836968	0.0006959	0.704966	11.23893	1.47665	6.938102	8.78028573	105.6212
1251	489885.89	3859026.54	8.67449	5.06647	23.37985	12.77044	23.45994	10.18912	4.14202	5.06647	89.0081402	2.280142846	0.0005931	0.661527	10.81856	1.40961	7.15124	8.39483199	102.935
1252	489935.89	3859026.54	8.42481	4.83525	18.05236	12.04962	22.2597	9.72939	4.25567	4.83525	86.4461968	2.176083288	0.0004579	0.624187	10.26507	1.34601	7.347457	8.01171455	100.1938
1253	489985.89	3859026.54	8.17948	4.64245	32.35442	11.49227	22.46424	9.28021	4.07052	4.64245	83.9288883	2.089314484	0.0008208	0.595316	10.35939	1.28387	7.027794	7.6922567	97.59314
1254	490035.89	3859026.54	8.00469	4.29874	24.36698	10.41408	24.84337	8.76187	3.49684	4.29874	82.1353843	1.934629289	0.0006181	0.539464	11.45653	1.21216	6.03733	7.12275018	96.19337
1255	489485.89	3859076.54	11.26813	9.32789	20.92111	50.88711	36.79961	21.19332	9.41826	9.32789	115.62124	4.197976431	0.0005307	2.636023	16.97015	2.93199	16.26072	15.4557452	143.1629
1256	489535.89	3859076.54	10.80009	9.11109	14.71497	33.0866	32.50861	18.70328	9.21839	9.11109	110.818725	4.100406532	0.0003733	1.713932	14.99136	2.58751	15.91564	15.0965208	135.0314
1257	489585.89	3859076.54	10.47292	8.70023	14.36767	25.72643	28.17275	16.80461	8.81631	8.70023	107.461664	3.915500771	0.0003645	1.332665	12.99187	2.32484	15.22145	14.4157508	128.8326
1258	489635.89	3859076.54	10.19795	7.99806	28.11994	21.68289	24.06838	15.34986	8.14422	7.99806	104.640222	3.599492208	0.0007133	1.123204	11.09914	2.12358	14.06108	13.2522979	123.3951
1259	489685.89	3859076.54	9.94342	7.03278	36.99972	19.05676	24.08127	14.18836	7.19909	7.03278	102.028514	3.165072132	0.0009386	0.987167	11.10509	1.96289	12.4293	11.6528878	120.0261
1260	489735.89	3859076.54	9.69353	5.87366	23.37596	17.16291	23.91905	13.24148	6.04932	5.87366	99.4644154	2.643415204	0.000593	0.889063	11.03028	1.83189	10.44421	9.73229663	116.5716
1261	489785.89	3859076.54	9.44296	5.6577	17.72193	15.69971	24.29619	12.45382	4.81836	5.6577	96.8933398	2.546223342	0.0004496	0.813267	11.2042	1.72293	8.318947	9.37446407	112.1249
1262	489835.89	3859076.54	9.19863	5.56483	33.31013	14.51164	24.27079	11.77513	4.46007	5.56483	94.3862923	2.504427602	0.000845	0.751723	11.19248	1.62903	7.700356	9.22058414	108.9446
1263	489885.89	3859076.54	8.95548	5.44712	20.40823	13.52914	23.84322	11.1752	4.20739	5.44712	91.8913526	2.451452727	0.0005177	0.700828	10.99531	1.54603	7.264101	9.02554584	105.8241
1264	489935.89	3859076.54	8.70929	5.24648	30.77286	12.68405	23.02933	10.6505	4.23753	5.24648	89.3652197	2.361155565	0.0007806	0.657051	10.61998	1.47344	7.316139	8.69309759	103.1007
1265	489985.89	3859076.54	8.47594	4.97302	33.08701	11.94557	21.95477	10.14748	4.40087	4.97302	86.970837	2.238086079	0.0008393	0.618797	10.12445	1.40385	7.598147	8.23999104	100.715
1266	490035.89	3859076.54	8.2968	4.59075	25.10139	11.11755	21.25399	9.56778	4.1326	4.59075	85.132698	2.066047123	0.0006368	0.575905	9.801285	1.32366	7.134976	7.60659295	98.42861
1267	489585.89	3859126.54	10.90259	9.63144	12.26501	39.96565	31.15418	19.64232	9.70906	9.63144	111.870468	4.334587792	0.0003111	2.070276	14.36676	2.71742	16.76279	15.9587091	136.1639
1268	489635.89	3859126.54	10.48532	9.3205	25.864	28.43007	26.91249	17.63414	9.42724	9.3205	107.588899	4.194650594	0.0006561	1.472717	12.4107	2.4396	16.27623	15.4435004	128.9399
1269	489685.89	3859126.54	10.17731	8.72828	41.16163	22.86585	23.36611	16.09474	8.87873	8.72828	104.428437	3.928124552	0.0010442	1.184483	10.77529	2.22663	15.32922	14.462228	123.411
1270	489735.89	3859126.54	9.9147	7.84876	20.24476	19.58707	23.43343	14.87488	8.0225	7.84876	101.73382	3.532300391	0.0005136	1.014638	10.80633	2.05787	13.85093	13.0049169	119.9915
1271	489785.89	3859126.54	9.6694	6.703	22.16955	17.39287	23.16733	13.87773	6.88502	6.703	99.2168197	3.016656073	0.0005624	0.900975	10.68362	1.91992	11.88706	11.1064625	116.5191
1272	489835.89	3859126.54	9.43604	5.76132	38.24174	15.77886	23.63605	13.0331	5.52741	5.76132	96.8223343	2.592857074	0.0009701	0.817367	10.89977	1.80307	9.543129	9.54615609	112.9333
1273	489885.89	3859126.54	9.20866	5.69535	20.55555	14.51571	23.70715	12.30087	4.67133	5.69535	94.4892092	2.563167562	0.0005214	0.751934	10.93256	1.70177	8.065099	9.43684782	109.0674
1274	489935.89	3859126.54	8.97389	5.54378	40.14166	13.50301	23.33777	11.6683	4.43093	5.54378	92.0802559	2.494954141	0.0010183	0.699475	10.76222	1.61425	7.650046	9.18570557	106.1165
1275	489985.89	3859126.54	8.76753	5.32917	26.18321	12.66926	22.74427	11.03336	4.27555	5.32917	89.962815	2.398369841	0.0006642	0.656285	10.48853	1.52641	7.38178	8.83010988	103.5847
1276	490035.89	3859126.54	8.5646	4.95034	36.25324	12.09443	21.82975	10.36464	4.45333	4.95034	87.880569	2.227879043	0.0009197	0.626508	10.0668	1.4339	7.688719	8.20241166	101.7229
1277	489585.89	3859176.54	11.96784	10.18179	28.69347	58.44051	33.9555	36.86582	10.2601	10.18179	122.8009	4.582270422	0.0007279	3.0273	15.65859	5.10021	17.71415	16.8706055	152.0135
1278	489635.89	3859176.54	11.27751	10.11318	25.33686	53.26855	29.84791	21.69173	10.2107	10.11318	115.717488	4.551392789	0.0006427	2.759385	13.76437	3.00094	17.62888	16.7569229	140.6662
1279	489685.89	3859176.54	10.62093	9.92796	41.07319	33.27594	25.75344	18.22827	10.0402	9.92796	108.980381	4.468035332	0.0010419	1.72374	11.87621	2.52179	17.33449	16.4500246	130.4557
1280	489735.89	3859176.54	10.21	9.48017	27.65127	25.08592	22.68205	16.59334	9.62341	9.48017	104.763866	4.266509384	0.0007015	1.299486	10.45984	2.29561	16.61491	15.7080639	123.9929
1281	489785.89	3859176.54	9.91545	8.69709	30.50604	20.67818	22.8153	15.33188	8.86908	8.69709	101.741516	3.914087627	0.0007739	1.071159	10.52128	2.12109	15.31256	14.4105481	120.2719
1282	489835.89	3859176.54	9.66289	7.58265	38.66256	17.93902	22.49879	14.30712	7.77718	7.58265	99.1500212	3.41253874	0.0009808	0.929266	10.37533	1.97932	13.42738	12.5639889	116.7108
1283	489885.89	3859176.54	9.43506	6.12576	38.35813	16.04408	23.01126	13.44585	6.33706	6.12576	96.8122786	2.756871715	0.0009731	0.831106	10.61165	1.86017	10.941	10.150011	113.664
1284	489935.89	3859176.54	9.20723	5.74161	32.82513	14.64954	23.10654	12.72085	4.98744	5.74161	94.4745361	2.583986674	0.0008327	0.758867	10.65559	1.75987	8.610866	9.51349783	109.331
1285	489985.89	3859176.54	9.01174	5.76458	42.69649	13.46547	22.95448	12.0075	4.55797	5.76458	92.4686312	2.594324223	0.0010831	0.69753	10.58547	1.66118	7.869381	9.55155772	106.326
1286	490035.89	3859176.54	8.78649	5.53378	28.78432	12.58889	22.306	11.43029	4.36008	5.53378	90.1573618	2.490453684	0.0007302	0.652122	10.28642	1.58132	7.527722	9.16913618	103.527
1287	489685.89	3859226.54	11.56424	10.60809	47.74796	70.00377	28.62349	28.20855	10.6807	10.60809	118.659598	4.774124888	0.0012113	3.626293	13.19973	3.90251	18.44025	17.5769586	145.0268
1288	489735.89	3859226.54	10.84374	10.53525	40.14577	41.32908	24.65987	18.744	10.6469	10.53525	111.266614	4.741343562	0.0010184	2.140904	11.37191	2.59314	18.38205	17.4562671	133.0407
1289	489785.89	3859226.54	10.32904	10.21618	43.29511	28.72076	22.06819	17.00389	10.3527	10.21618	105.985325	4.597747492	0.0010983	1.487775	10.17675	2.3524	17.87406	16.9275876	125.5476
1290	489835.89	3859226.54	9.97172	9.55769	28.74726	22.51828	22.25002	15.62768	9.73997	9.55769	102.318897	4.301396924	0.0007293	1.166478	10.2606	2.16201	16.81616	15.8365098	121.1898
1291	489885.89	3859226.54	9.68853	8.49494	43.88401	18.91803	21.99057	14.55262	8.71228	8.49494	99.4131109	3.823110897	0.0011132	0.97998	10.14096	2.01328	15.04184	14.0755978	117.3378
1292	489935.89	3859226.54	9.44733	6.99966	49.7435	16.5773	22.40608	13.67977	7.23297	6.99966	96.93818	3.150166619	0.0012619	0.858727	10.33257	1.89253	12.4878	11.59801	114.0632
1293	489985.89	3859226.54	9.25825	6.15558	32.94822	14.80312	22.74065	12.81617	5.38036	6.15558	94.9980476	2.770292077	0.0008358	0.766822	10.48686	1.77305	9.289246	10.1994209	109.8857
1294	490035.89	3859226.54	9.02904	5.90491	45.826	13.59055	22.47919	12.22262	4.8416	5.90491	92.6461449	2.657479131	0.0011625	0.704009	10.36629	1.69094	8.359071	9.78407597	106.641

1295	489735.89	3859276.54	11.99341	11.13194	62.30291	56.27074	27.42783	36.02018	11.1918	11.13194
1296	489785.89	3859276.54	11.26057	11.12107	60.72061	55.88882	23.65874	22.27872	11.225	11.12107
1297	489835.89	3859276.54	10.5469	10.91469	38.34661	34.3878	21.50665	17.46112	11.0324	10.91469
1298	489885.89	3859276.54	10.07954	10.42054	53.99087	25.36509	21.69006	15.89369	10.6091	10.42054
1299	489935.89	3859276.54	9.75273	9.48086	41.51413	20.46475	21.50481	14.69862	9.6947	9.48086
1300	489985.89	3859276.54	9.52648	7.74764	61.73223	17.21913	22.01282	13.5815	8.00176	7.74764
1301	490035.89	3859276.54	9.25799	6.23743	51.2175	15.39475	22.09934	12.99093	6.43144	6.23743
1302	490458.06	3859590.74	9.18598	11.49291	30.98391	27.35198	18.51973	16.04703	11.94	11.49291
1303	490508.06	3859590.74	8.86053	7.94383	29.69369	22.04731	18.20916	14.35662	8.28712	7.94383
1304	490558.06	3859590.74	8.60962	6.90266	27.80666	18.8826	17.65963	13.04226	7.08141	6.90266
1305	490608.06	3859590.74	8.40768	6.96638	25.49305	16.94317	16.92103	11.70936	7.00529	6.96638
1306	490658.06	3859590.74	8.23595	5.88407	23.33048	14.96597	16.0214	10.94798	5.84231	5.88407
1307	490708.06	3859590.74	8.08022	5.55277	22.89372	13.13021	14.98646	10.27816	5.28341	5.55277
1308	490758.06	3859590.74	7.93957	5.22946	22.17699	11.65512	16.39251	9.54415	4.86717	5.22946
1309	490808.06	3859590.74	7.78672	4.94991	21.40162	10.55921	17.82825	9.00784	4.54391	4.94991
1310	490858.06	3859590.74	7.64174	4.67108	20.65062	9.57758	19.15709	8.51553	4.21612	4.67108
1311	490458.06	3859640.74	10.46792	16.3866	24.07879	61.41932	18.13254	22.7578	16.9637	16.3866
1312	490508.06	3859640.74	9.57567	13.95068	24.66978	37.04493	18.10702	18.48382	14.5605	13.95068
1313	490558.06	3859640.74	9.06226	10.39763	24.03982	28.45525	17.83464	15.92017	10.8225	10.39763
1314	490608.06	3859640.74	8.74109	7.44305	24.63839	22.82328	17.38153	14.05367	7.53286	7.44305
1315	490658.06	3859640.74	8.50889	7.42135	24.64663	19.53449	16.73338	12.71205	7.46066	7.42135
1316	490708.06	3859640.74	8.31229	6.42835	24.11258	17.10095	15.88301	11.75057	6.44632	6.42835
1317	490758.06	3859640.74	8.14873	5.81097	23.07956	14.69426	14.90862	10.73081	5.818	5.81097
1318	490808.06	3859640.74	7.9771	5.43913	21.71232	13.2432	15.42233	10.03732	5.40628	5.43913
1319	490858.06	3859640.74	7.81253	5.16331	20.83365	12.03569	16.82602	9.45366	5.04336	5.16331
1320	490608.06	3859690.74	9.52711	13.12278	21.66052	37.8647	17.55018	18.5715	13.7238	13.12278
1321	490658.06	3859690.74	9.00171	8.86377	21.17217	28.58213	17.15601	15.80857	9.02311	8.86377
1322	490708.06	3859690.74	8.6655	8.26044	20.25258	24.35008	16.5349	13.83233	8.37671	8.26044
1323	490758.06	3859690.74	8.42787	7.30154	19.23723	19.86299	15.75263	12.41566	7.38537	7.30154
1324	490808.06	3859690.74	8.22299	6.63974	19.79098	16.67917	14.79768	11.31401	6.70351	6.63974
1325	490858.06	3859690.74	8.01037	6.30398	20.08073	15.11658	14.46965	10.63902	6.35959	6.30398
1326	490708.06	3859740.74	9.50151	10.48317	20.30611	38.59831	16.88339	18.59963	10.8384	10.48317
1327	490758.06	3859740.74	8.90993	9.65987	19.50096	29.60467	16.25379	16.23773	9.89161	9.65987
1328	490808.06	3859740.74	8.54522	8.8776	19.52291	25.24818	15.48629	14.18939	9.07304	8.8776
1329	490858.06	3859740.74	8.2691	8.18836	19.0499	21.80988	14.56169	12.81017	8.35741	8.18836
1330	490786.56	3859749.39	8.79474	9.60398	19.21914	28.42876	15.91585	15.80176	9.87075	9.60398
1331	490836.56	3859749.39	8.45398	8.82202	19.24396	24.47614	15.09712	13.93688	9.02585	8.82202
1332	490786.56	3859799.39	10.21254	13.09221	20.58832	65.42572	16.26071	23.11001	13.6607	13.09221
1333	490836.56	3859799.39	9.24393	10.98431	19.84289	38.09119	15.65393	18.29449	11.4587	10.98431
1334	492307.84	3854508.36	2.94767	1.33943	2.66053	1.84837	11.70756	1.56041	1.35436	1.33943
1335	486445.7	3854753.6	4.99034	4.16247	5.71028	2.74293	14.80299	2.05023	4.20587	4.16247
1336	472599.75	3877830.11	0.44169	0.39277	0.42374	0.52015	1.77646	0.5393	0.39465	0.39277
1337	493107.48	3866840.19	6.02423	1.76017	1.35368	2.10676	9.57928	2.22716	1.50277	1.76017
1338	495815.79	3861662.87	2.89252	4.74144	4.59593	3.25572	10.04034	6.06661	4.73385	4.74144
1339	480272.33	3841389.2	1.24859	0.25215	0.44548	0.39629	0.99672	0.67543	0.27578	0.25215
1340	497005.18	3862813.64	3.24702	5.81315	4.29698	3.06564	8.31856	3.3085	5.99942	5.81315
1341	493677.33	3860302.55	3.60107	2.73269	7.52405	5.87703	14.73419	7.34987	2.73359	2.73269
1342	493727.33	3860302.55	3.57744	2.71194	7.50135	5.68372	14.1843	7.19403	2.71228	2.71194
1343	493777.33	3860302.55	3.56168	2.68016	7.46215	5.52031	13.6222	7.03001	2.68363	2.68016
1344	493827.33	3860302.55	3.54586	2.63701	7.40937	5.36646	13.04432	6.87591	2.6406	2.63701
1345	493877.33	3860302.55	3.5219	2.62072	7.35121	5.185	12.43444	6.7378	2.62434	2.62072
1346	493927.33	3860302.55	3.49303	2.61621	7.28561	5.10358	11.80695	6.60862	2.61948	2.61621
1347	493977.33	3860302.55	3.4952	2.55616	7.17677	5.22628	11.25606	6.47312	2.55932	2.55616
1348	494027.33	3860302.55	3.48116	2.52501	7.0703	5.2645	10.6637	6.33663	2.52858	2.52501
1349	493677.33	3860352.55	3.61582	2.62136	7.1044	6.39823	15.32898	7.8898	2.63073	2.62136
1350	493727.33	3860352.55	3.58322	2.60298	7.14886	6.15607	14.83062	7.70466	2.60953	2.60298
1351	493777.33	3860352.55	3.55093	2.58325	7.17639	5.92465	14.30294	7.52765	2.58445	2.58325
1352	493827.33	3860352.55	3.52415	2.56879	7.18767	5.71277	13.76996	7.36738	2.57153	2.56879
1353	493877.33	3860352.55	3.51075	2.54944	7.18502	5.52676	13.23206	7.21364	2.55848	2.54944

123.063272	5.009881308	0.0015805	2.914903	12.64835	4.98322	19.32277	18.4449461	149.499		
115.543668	5.004989311	0.0015404	2.895119	10.91024	3.08215	19.38006	18.4269352	138.3908		
108.220766	4.912108888	0.0009728	1.781336	9.917799	2.41566	19.04758	18.0849761	128.2113		
103.425228	4.689718824	0.0013696	1.313947	10.00238	2.19881	18.31675	17.2661997	122.682		
100.071861	4.266819916	0.0010531	1.060103	9.916951	2.03348	16.738	15.7092072	118.3791		
97.7503308	3.486791774	0.001566	0.891975	10.15122	1.87893	13.81512	12.8373673	115.1386		
94.9953797	2.807128314	0.0012993	0.79747	10.19112	1.79723	11.10395	10.3350413	111.3585		
94.2564918	5.17233429	0.000786	1.416871	8.54038	2.22003	20.61446	19.0430514	113.1783		
90.9170794	3.575086232	0.0007533	1.142081	8.397161	1.98617	14.3078	13.1624421	107.1637		
88.3425151	3.10651219	0.0007054	0.978145	8.143745	1.80433	12.22613	11.4372869	103.1648		
86.2704274	3.1351891	0.0006467	0.87768	7.803139	1.61993	12.0947	11.5428671	100.2589		
84.5083217	2.648100179	0.0005918	0.775258	7.388274	1.5146	10.08681	9.74954536	97.17241		
82.9103906	2.499000051	0.0005808	0.680163	6.911011	1.42193	9.121861	9.20060146	94.34434		
81.467194	2.353495788	0.0005626	0.603751	7.559412	1.32039	8.403218	8.66489649	93.04312		
79.8988142	2.227685523	0.0005429	0.546982	8.221504	1.24619	7.845107	8.20169918	91.78513		
78.4111879	2.102199291	0.0005239	0.496132	8.834299	1.17808	7.279174	7.73969486	90.5619		
107.41036	7.374718247	0.0006108	3.181607	8.361827	3.14843	29.28803	27.1515975	131.614		
98.2550648	6.278443017	0.0006258	1.918979	8.350059	2.55715	25.13892	23.1154265	119.3838		
92.9870123	4.679408278	0.0006098	1.474022	8.224451	2.20248	18.68517	17.2282392	111.0249		
89.6915166	3.349712365	0.000625	1.182278	8.015499	1.94426	13.00556	12.3326802	104.8568		
87.3089339	3.339946374	0.0006252	1.011914	7.716604	1.75865	12.88091	12.2967246	101.7209		
85.2916394	2.893051032	0.0006117	0.885853	7.324456	1.62563	11.12964	10.6513841	98.4995		
83.6133654	2.615201841	0.0005855	0.761183	6.875115	1.48456	10.04484	9.62842312	95.76642		
81.8522858	2.447856862	0.0005508	0.686016	7.112013	1.38861	9.333997	9.0123069	93.80903		
80.1636483	2.323725268	0.0005285	0.623466	7.759325	1.30787	8.707412	8.55528997	92.33068		
97.7567952	5.905850214	0.0005495	1.961444	8.093272	2.56928	23.69421	21.7436466	118.2378		
92.3657143	3.989101238	0.0005371	1.480594	7.9115	2.18704	15.57849	14.6867267	108.8262		
88.9158946	3.717575189	0.0005138	1.261368	7.625075	1.91364	14.46247	13.6870456	104.2095		
86.4775951	3.286026404	0.000488	1.028931	7.264331	1.71765	12.75092	12.0982068	100.4277		
84.3753404	2.988186184	0.0005021	0.864004	6.823955	1.56524	11.57368	11.0016445	97.18926		
82.1936662	2.837078853	0.0005094	0.78306	6.672684	1.47186	10.9799	10.4453106	94.49344		
97.4941159	4.717905184	0.0005151	1.999446	7.785781	2.57317	18.71259	17.3699738	115.9135		
91.4239682	4.34738259	0.0004947	1.533563	7.495441	2.24641	17.07796	16.0058158	108.1194		
87.6817126	3.99532537	0.0004953	1.307891	7.141508	1.96303	15.6647	14.7096421	103.045		
84.8484708	3.685135898	0.0004833	1.129782	6.715129	1.77222	14.42915	13.5676134	99.01276		
90.2420143	4.322229538	0.0004875	1.472649	7.3396	2.1861	17.04195	15.9132095	106.6918		
86.7455074	3.970311832	0.0004882	1.267898	6.962042	1.9281	15.58322	14.6175494	101.84		
104.789929	5.892092318	0.0005223	3.389144	7.498632	3.19716	23.58527	21.692994	126.6598		
94.8511114	4.943441067	0.0005034	1.973177	7.218815	2.53095	19.78353	18.2003322	113.1012		
30.2457694	0.602804661	6.749E-05	0.095748	5.398946	0.21588	2.338316	2.21935387	36.67817		
51.2054175	1.873301567	0.0001449	0.142088	6.826404	0.28364	7.261477	6.89695909	60.69551		
4.53214027	0.176764435	1.075E-05	0.026944	0.819215	0.07461	0.681367	0.65079595	5.660256		
61.8140672	0.792156873	3.434E-05	0.109133	4.417488	0.30812	2.594548	2.91649441	67.11905		
29.6798804	2.133864504	0.0001166	0.168651	4.630106	0.83929	8.17304	7.85627709	37.76867		
12.8116666	0.113479014	1.13E-05	0.020528	0.459638	0.09344	0.476137	0.41779718	13.55711		
33.3173721	2.616182941	0.000109	0.158804	3.836107	0.45771	10.35806	9.63203525	41.11231		
36.9502464	1.22983528	0.0001909	0.304438	6.794677	1.01682	4.719571	4.52790078	46.48788		
36.7077812	1.220496833	0.0001903	0.294425	6.541095	0.99526	4.682779	4.49351929	45.94851		
36.5460693	1.206194382	0.0001893	0.28596	6.281882	0.97257	4.633314	4.44086177	45.48532		
36.3837417	1.186774911	0.000188	0.27799	6.015393	0.95125	4.559023	4.36936485	45.00499		
36.1378904	1.179443668	0.0001865	0.26859	5.734146	0.93214	4.53095	4.34237331	44.44098		
35.841658	1.177413962	0.0001848	0.264373	5.444779	0.91427	4.522559	4.33490052	43.83034		
35.8639242	1.15038872	0.0001821	0.270729	5.190736	0.89552	4.418692	4.23540132	43.55477		
35.719861	1.136369797	0.0001794	0.272708	4.917569	0.87664	4.365619	4.18378767	43.10516		
37.1015948	1.179731697	0.0001802	0.331437	7.068965	1.09152	4.541982	4.34343375	46.97197		
36.7670892	1.171459858	0.0001814	0.318893	6.839146	1.0659	4.50538	4.31297921	46.35507		
36.4357645	1.162580457	0.000182	0.306905	6.595806	1.04141	4.462079	4.2802878	45.72444		
36.1609774	1.156072796	0.0001823	0.295929	6.350022	1.01924	4.439773	4.25632847	45.16587		
36.0234813	1.147364413	0.0001823	0.286294	6.101969	0.99797	4.417242	4.22426669	44.75024		

1354	493927.33	3860352.55	3.50447	2.51752	7.16681	5.53424	12.69897	7.06895	2.52532	2.51752
1355	493977.33	3860352.55	3.5028	2.44445	7.13062	5.46718	12.16522	6.90915	2.45481	2.44445
1356	494027.33	3860352.55	3.48106	2.43036	7.09558	5.29746	11.56978	6.78321	2.43893	2.43036
1357	493677.33	3860402.55	3.61184	2.72011	7.4883	6.87633	15.76556	7.85975	2.58738	2.72011
1358	493727.33	3860402.55	3.58227	2.6574	7.35078	6.66109	15.28455	7.62541	2.52769	2.6574
1359	493777.33	3860402.55	3.57491	2.55083	7.10839	6.50722	14.92286	7.83778	2.51139	2.55083
1360	493827.33	3860402.55	3.53728	2.50953	7.00625	6.28417	14.41356	7.55297	2.48856	2.50953
1361	493877.33	3860402.55	3.50762	2.45498	6.8657	6.08215	13.90596	7.38533	2.46238	2.45498
1362	493927.33	3860402.55	3.49737	2.42927	6.80186	5.9065	13.44591	7.47972	2.44207	2.42927
1363	493977.33	3860402.55	3.50122	2.43816	6.81862	5.93704	12.97946	7.31898	2.39021	2.43816
1364	494027.33	3860402.55	3.47661	2.36826	6.8429	5.70177	12.40274	7.18687	2.38748	2.36826
1365	493677.33	3860452.55	3.61913	2.92494	7.73766	6.73738	16.41364	8.79479	2.68166	2.92494
1366	493727.33	3860452.55	3.57754	2.87757	7.53117	6.61154	15.80043	8.56478	2.63253	2.87757
1367	493777.33	3860452.55	3.55244	2.80556	7.41522	6.50142	15.23437	8.29166	2.58009	2.80556
1368	493827.33	3860452.55	3.54062	2.71321	7.36208	6.3961	14.87873	8.00756	2.52185	2.71321
1369	493877.33	3860452.55	3.52375	2.62966	7.27859	6.30026	14.4873	7.71791	2.46662	2.62966
1370	493927.33	3860452.55	3.5234	2.51539	7.05466	6.31796	14.12564	7.82794	2.44334	2.51539
1371	493977.33	3860452.55	3.49684	2.45729	6.91027	6.14805	13.63629	7.67864	2.39697	2.45729
1372	494027.33	3860452.55	3.4689	2.41144	6.77116	5.97844	13.12291	7.52867	2.35321	2.41144
1373	493677.33	3860502.55	3.61769	3.12269	7.70051	6.57927	16.88531	9.91443	2.89372	3.12269
1374	493727.33	3860502.55	3.58376	3.05363	7.56746	6.3241	16.37353	9.48342	2.81281	3.05363
1375	493777.33	3860502.55	3.5606	2.97716	7.49239	6.20834	15.87172	9.12922	2.72536	2.97716
1376	493827.33	3860502.55	3.5383	2.90296	7.41677	6.17787	15.35296	8.80554	2.63819	2.90296
1377	493877.33	3860502.55	3.52769	2.81879	7.39549	6.13509	14.88279	8.62644	2.54375	2.81879
1378	493927.33	3860502.55	3.52271	2.71836	7.38984	6.1199	14.58041	8.42526	2.49473	2.71836
1379	493977.33	3860502.55	3.4946	2.65781	7.26957	6.03344	14.14789	8.16308	2.44687	2.65781
1380	494027.33	3860502.55	3.47222	2.58778	7.17337	5.96037	13.71164	7.92283	2.40131	2.58778
1381	493627.33	3860552.55	3.63667	3.35174	7.44874	7.32608	17.51848	12.16118	3.17719	3.35174
1382	493677.33	3860552.55	3.60358	3.28657	7.3877	7.05407	17.1302	11.51151	3.10173	3.28657
1383	493727.33	3860552.55	3.57431	3.21526	7.33861	6.77875	16.71949	10.96195	3.02042	3.21526
1384	493777.33	3860552.55	3.55674	3.13772	7.3429	6.5178	16.32307	10.42834	2.93096	3.13772
1385	493827.33	3860552.55	3.54703	3.05285	7.37703	6.26568	15.93336	9.90937	2.83228	3.05285
1386	493877.33	3860552.55	3.52117	2.9824	7.31141	6.04881	15.42801	9.50625	2.75349	2.9824
1387	493927.33	3860552.55	3.50944	2.90788	7.31291	5.85641	14.96334	9.13245	2.6652	2.90788
1388	493977.33	3860552.55	3.50065	2.82784	7.31928	5.67076	14.55379	8.915	2.57519	2.82784
1389	494027.33	3860552.55	3.47461	2.76511	7.23139	5.66061	14.1693	8.59767	2.50263	2.76511
1390	493627.33	3860602.55	3.63514	3.45997	7.02389	7.42204	17.54189	15.50967	3.32907	3.45997
1391	493727.33	3860602.55	3.56164	3.35247	6.86534	7.05741	16.87228	12.85214	3.20136	3.35247
1392	493777.33	3860602.55	3.55627	3.27361	7.0406	6.90112	16.63597	12.31722	3.11497	3.27361
1393	493827.33	3860602.55	3.53685	3.20042	7.07092	6.69806	16.27987	11.65065	3.02991	3.20042
1394	493877.33	3860602.55	3.52889	3.11447	7.14432	6.49992	15.93447	11.04647	2.92926	3.11447
1395	493927.33	3860602.55	3.51366	3.04084	7.16855	6.28237	15.52012	10.44778	2.84439	3.04084
1396	493977.33	3860602.55	3.50058	2.96752	7.19164	6.06299	15.081	9.93459	2.75684	2.96752
1397	494027.33	3860602.55	3.47212	2.9076	7.12707	5.83162	14.54884	9.53233	2.68882	2.9076
1398	493627.33	3860652.55	3.63442	3.51992	7.13562	6.95031	17.3561	26.09315	3.43385	3.51992
1399	493727.33	3860652.55	3.56215	3.40898	6.73972	6.89016	16.90767	17.82658	3.30002	3.40898
1400	493777.33	3860652.55	3.54949	3.35217	6.652	6.85629	16.73719	15.82564	3.23072	3.35217
1401	493827.33	3860652.55	3.5376	3.29426	6.59922	6.78489	16.51653	14.19005	3.16125	3.29426
1402	493877.33	3860652.55	3.53014	3.22703	6.77373	6.68824	16.26337	13.3244	3.08362	3.22703
1403	493927.33	3860652.55	3.51285	3.15626	6.84156	6.54784	15.91855	12.49537	3.00543	3.15626
1404	493977.33	3860652.55	3.4943	3.0913	6.88266	6.38711	15.52265	11.76995	2.92639	3.0913
1405	494027.33	3860652.55	3.48484	3.01631	6.95265	6.22339	15.13863	11.02923	2.83761	3.01631
1406	494311.06	3858401.99	3.58781	0.78616	1.66146	1.86255	12.33829	1.6124	0.80551	0.78616
1407	494361.06	3858401.99	3.58424	0.79306	1.63793	1.85638	12.20311	1.61048	0.81126	0.79306
1408	494411.06	3858401.99	3.582	0.7994	1.61544	1.8502	12.06393	1.60867	0.81654	0.7994
1409	494461.06	3858401.99	3.5811	0.80512	1.59369	1.84427	11.92275	1.60706	0.82132	0.80512
1410	494511.06	3858401.99	3.57864	0.81006	1.56735	1.83842	11.77409	1.60533	0.82549	0.81006
1411	494561.06	3858401.99	3.5776	0.81438	1.54201	1.83264	11.62356	1.60382	0.83051	0.81438
1412	494611.06	3858401.99	2.81388	0.81789	1.51312	1.82685	11.46616	1.60213	0.83164	0.81789

35.9590428	1.132998955	0.0001818	0.286681	5.856135	0.97795	4.359991	4.1713772	44.40161		
35.9419071	1.100114119	0.0001809	0.283208	5.609996	0.95585	4.238254	4.05030466	44.0792		
35.7188349	1.093772975	0.00018	0.274416	5.335408	0.93842	4.210837	4.02695839	43.54491		
37.0607564	1.224173706	0.00019	0.356203	7.270294	1.08736	4.467138	4.50705648	46.95906		
36.7573414	1.195951342	0.0001865	0.345054	7.048476	1.05494	4.364082	4.40314983	46.36288		
36.6818211	1.147989976	0.0001803	0.337083	6.881682	1.08432	4.33594	4.22656984	46.24245		
36.2957031	1.12940309	0.0001777	0.325529	6.646818	1.04492	4.296524	4.15813826	45.58093		
35.9913646	1.1048531	0.0001742	0.315064	6.412738	1.02172	4.251324	4.06775223	45.02949		
35.8861903	1.093282426	0.0001725	0.305965	6.200586	1.03478	4.216259	4.02515233	44.71209		
35.9256948	1.097283332	0.000173	0.307547	5.985483	1.01255	4.126722	4.03988252	44.41557		
35.6731739	1.06582514	0.0001736	0.29536	5.719528	0.99427	4.122008	3.92406248	43.94627		
37.1355584	1.316356559	0.0001963	0.349006	7.569156	1.21672	4.629913	4.84644731	47.37045		
36.7088073	1.295037896	0.000191	0.342487	7.286374	1.1849	4.54509	4.76795811	46.59492		
36.4512585	1.262630108	0.0001881	0.336783	7.025335	1.14711	4.454552	4.64864192	46.02921		
36.3299746	1.221068391	0.0001868	0.331327	6.861332	1.10781	4.354	4.4956236	45.71007		
36.1568731	1.183467076	0.0001846	0.326362	6.680824	1.06774	4.258644	4.35718635	45.3169		
36.1532818	1.132040358	0.000179	0.327279	6.514044	1.08296	4.218451	4.16784792	45.26038		
35.880752	1.105892705	0.0001753	0.318478	6.28838	1.0623	4.138393	4.07157976	44.72279		
35.5940623	1.085258111	0.0001718	0.309692	6.051635	1.04155	4.062841	3.99560911	44.1496		
37.1207827	1.405353089	0.0001953	0.340815	7.786667	1.37161	4.996037	5.17410701	47.84736		
36.7726301	1.374272935	0.000192	0.327597	7.550659	1.31198	4.856345	5.05967879	47.134		
36.5349875	1.339857943	0.0001901	0.321601	7.319249	1.26298	4.705362	4.93297267	46.55126		
36.3061693	1.306464555	0.0001881	0.320022	7.080023	1.2182	4.554862	4.81002779	45.9759		
36.197301	1.268584212	0.0001876	0.317806	6.863204	1.19343	4.39181	4.67056323	45.56176		
36.1462017	1.223386126	0.0001875	0.317019	6.723761	1.16559	4.307177	4.50415684	45.37917		
35.8577676	1.196135861	0.0001844	0.312541	6.524305	1.12932	4.224546	4.40382918	44.84097		
35.6281285	1.164619163	0.000182	0.308755	6.323128	1.09608	4.145886	4.28779374	44.37899		
37.3155348	1.508436047	0.000189	0.379501	8.078653	1.68244	5.485451	5.5536289	48.89658		
36.9760013	1.479106572	0.0001874	0.365411	7.899598	1.59256	5.355168	5.44564618	48.22239		
36.6756646	1.447013816	0.0001862	0.351149	7.710199	1.51653	5.214786	5.32748985	47.58804		
36.4953804	1.412117275	0.0001863	0.337631	7.52739	1.44271	5.060332	5.1990108	47.07674		
36.395747	1.3739219	0.0001871	0.324571	7.347675	1.37091	4.88996	5.05838638	46.64459		
36.1303999	1.342216183	0.0001855	0.313337	7.114632	1.31514	4.753928	4.94165503	46.02819		
36.0100395	1.30867878	0.0001855	0.30337	6.90035	1.26343	4.601495	4.81817993	45.56937		
35.9198461	1.272657125	0.0001857	0.293753	6.711485	1.23335	4.446092	4.68555853	45.19181		
35.6526521	1.244425761	0.0001834	0.293228	6.534178	1.18945	4.320816	4.58161874	44.65331		
37.2998356	1.557144489	0.0001782	0.384472	8.089449	2.14569	5.747673	5.73295941	49.49148		
36.5456589	1.508764581	0.0001742	0.365584	7.780658	1.77803	5.52718	5.55483846	47.95121		
36.4905578	1.47327398	0.0001786	0.357488	7.671684	1.70403	5.378027	5.42417225	47.65106		
36.291291	1.440335138	0.0001794	0.346969	7.507468	1.61181	5.23117	5.30290088	47.12632		
36.2096141	1.401653713	0.0001812	0.336705	7.348187	1.52823	5.057397	5.16048697	46.72148		
36.0533405	1.368516851	0.0001819	0.325436	7.157109	1.4454	4.910868	5.03848654	46.22236		
35.9191278	1.335519503	0.0001824	0.314071	6.954609	1.3744	4.759712	4.91699977	45.74062		
35.6271024	1.308552767	0.0001808	0.302086	6.709203	1.31875	4.642275	4.81771599	45.09044		
37.2924477	1.584124727	0.000181	0.360036	8.003772	3.60986	5.928577	5.8322929	50.9467		
36.5508919	1.534196661	0.000171	0.35692	7.796978	2.46622	5.697518	5.64847209	48.75442		
36.4209888	1.508629567	0.0001687	0.355165	7.718361	2.1894	5.577871	5.55434138	48.21624		
36.2989866	1.482567423	0.0001674	0.351467	7.616604	1.96312	5.45793	5.45838804	47.71246		
36.2224403	1.452310853	0.0001718	0.34646	7.499859	1.84337	5.323901	5.34699203	47.34152		
36.0450292	1.420461121	0.0001736	0.339187	7.340845	1.72867	5.188905	5.22973045	46.83354		
35.8546893	1.391226155	0.0001746	0.330861	7.158276	1.62832	5.052442	5.12209569	46.29389		
35.7576212	1.357477231	0.0001764	0.32238	6.981185	1.52584	4.899162	4.99784183	45.846		
36.8141868	0.353807898	4.215E-05	0.096483	5.689807	0.22307	1.390721	1.3026192	43.2655		
36.7775554	0.356913213	4.155E-05	0.096163	5.627469	0.2228	1.400649	1.31405208	43.16754		
36.7545709	0.359766502	4.098E-05	0.095843	5.563286	0.22255	1.409765	1.32455708	43.08127		
36.7453361	0.362340763	4.043E-05	0.095536	5.49818	0.22233	1.418017	1.33403477	43.00774		
36.7200943	0.364563989	3.976E-05	0.095233	5.429626	0.22209	1.425217	1.34222005	42.91464		
36.7094229	0.366508186	3.912E-05	0.094933	5.360209	0.22188	1.433884	1.34937802	42.8375		
28.8729626	0.368087847	3.838E-05	0.094633	5.287624	0.22165	1.435835	1.35519388	34.92563		

1413	494661.06	3858401.99	2.8075	0.8207	1.16244	1.82114	5.65298	1.6132	0.83377	0.8207	28.807498	0.369352475	2.949E-05	0.094338	2.606874	0.22318	1.439512	1.35984988	32.18093
1414	494711.06	3858401.99	2.79995	0.82274	1.13949	1.81542	5.57246	1.6742	0.83516	0.82274	28.7300282	0.370270568	2.891E-05	0.094041	2.569742	0.23162	1.441912	1.36323003	32.07441
1415	494761.06	3858401.99	2.79409	0.82413	1.11597	1.80993	5.49053	1.72889	0.83597	0.82413	28.6698992	0.370896132	2.831E-05	0.093757	2.53196	0.23918	1.443311	1.36553318	31.9835
1416	494811.06	3858401.99	2.7873	0.82475	1.09178	1.80451	5.40725	1.78921	0.83604	0.82475	28.6002277	0.37117516	2.77E-05	0.093476	2.493555	0.24753	1.443432	1.36656048	31.88286
1417	494861.06	3858401.99	2.78058	0.82464	1.06713	1.79915	5.32248	1.84899	0.83543	0.82464	28.5312744	0.371125655	2.707E-05	0.093198	2.454464	0.2558	1.442378	1.36637822	31.78189
1418	494911.06	3858401.99	2.7739	0.82381	1.04209	1.79394	5.23689	1.90995	0.83414	0.82381	28.4627315	0.370752117	2.644E-05	0.092929	2.414994	0.26423	1.440151	1.36500296	31.68081
1419	494961.06	3858401.99	2.7672	0.82225	1.01674	1.78879	5.15034	1.97297	0.83215	0.82225	28.3939834	0.370050046	2.579E-05	0.092662	2.375081	0.27295	1.436715	1.36241813	31.57905
1420	495011.06	3858401.99	2.75954	0.81993	1.02205	1.7837	5.06314	2.04516	0.8308	0.81993	28.3153849	0.36900594	2.593E-05	0.092398	2.334869	0.28294	1.434385	1.35857404	31.47043
1421	495061.06	3858401.99	2.7525	0.81698	1.03435	1.77867	4.97504	2.11286	0.82611	0.81698	28.2431481	0.367678305	2.624E-05	0.092138	2.294241	0.2923	1.426287	1.35368607	31.36214
1422	495111.06	3858401.99	2.74332	0.81324	1.04297	1.7737	4.8865	2.21224	0.82201	0.81324	28.148953	0.365995134	2.646E-05	0.09188	2.253411	0.30605	1.419209	1.34748911	31.23804
1423	495161.06	3858401.99	2.73789	0.809	1.0558	1.76879	4.79769	2.26474	0.81859	0.809	28.0932362	0.364086941	2.678E-05	0.091626	2.212456	0.31332	1.413304	1.34046369	31.14759
1424	495211.06	3858401.99	2.72913	0.80504	0.93679	1.76395	4.70871	2.36673	0.81212	0.80504	28.0033507	0.36230476	2.376E-05	0.091375	2.171423	0.32743	1.402133	1.33390221	31.02413
1425	495261.06	3858401.99	2.72212	0.79841	0.94232	1.75915	4.61935	2.44486	0.80626	0.79841	27.9314217	0.359320957	2.39E-05	0.091126	2.130215	0.33823	1.392016	1.32291671	30.91944
1426	495311.06	3858401.99	2.71497	0.79216	0.94816	1.75442	4.5301	2.52746	0.79977	0.79216	27.8580562	0.356508172	2.405E-05	0.090881	2.089057	0.34966	1.380811	1.31256084	30.81244
1427	495361.06	3858401.99	2.70846	0.78535	0.95468	1.74974	4.44078	2.60209	0.79274	0.78535	27.7912577	0.353443361	2.422E-05	0.090639	2.047867	0.35999	1.368674	1.30127708	30.71061
1428	495411.06	3858401.99	2.70252	0.77801	0.96099	1.74511	4.3518	2.66694	0.78517	0.77801	27.7303079	0.350140026	2.438E-05	0.090399	2.006834	0.36896	1.355604	1.28911515	30.61315
1429	495461.06	3858401.99	2.69689	0.77013	0.9671	1.74054	4.26268	2.73103	0.77706	0.77013	27.672539	0.346593666	2.453E-05	0.090162	1.965736	0.37782	1.341602	1.27605847	30.51842
1430	495511.06	3858401.99	2.691	0.76348	0.97299	1.73602	4.17416	2.80506	0.76928	0.76348	27.6121023	0.343600862	2.468E-05	0.089928	1.924915	0.38807	1.32817	1.26503983	30.42177
1431	495561.06	3858401.99	2.68538	0.75282	0.97869	1.73155	4.09863	2.87446	0.75933	0.75282	27.554436	0.338803375	2.483E-05	0.089697	1.890085	0.39767	1.310991	1.24737686	30.33433
1432	495611.06	3858401.99	2.67939	0.74343	0.98417	1.72714	4.03683	2.95912	0.74974	0.74343	27.4929731	0.334577447	2.497E-05	0.089468	1.861586	0.40938	1.294434	1.2318182	30.25062
1433	495661.06	3858401.99	2.67324	0.73358	0.98946	1.72277	3.9742	3.06001	0.73971	0.73358	27.4298686	0.330144497	2.51E-05	0.089242	1.832704	0.42334	1.277117	1.21549735	30.16694
1434	494311.06	3858451.99	3.59216	0.76763	1.633	1.69548	12.69476	1.57688	0.79015	0.76763	36.8588218	0.345468552	4.143E-05	0.087828	5.854193	0.21815	1.364202	1.27191612	43.45679
1435	494361.06	3858451.99	3.58907	0.77577	1.59939	1.69175	12.5973	1.57546	0.79854	0.77577	36.8271156	0.349131923	4.057E-05	0.087635	5.809249	0.21796	1.378687	1.28540361	43.38441
1436	494411.06	3858451.99	3.58642	0.78484	1.56404	1.68752	12.49446	1.57417	0.80311	0.78484	36.7999241	0.353213837	3.968E-05	0.087416	5.761825	0.21778	1.386578	1.30043204	43.30634
1437	494461.06	3858451.99	3.58411	0.79026	1.53006	1.68378	12.38589	1.57298	0.80888	0.79026	36.7762215	0.355653085	3.881E-05	0.087222	5.711758	0.21761	1.39654	1.30941265	43.23563
1438	494511.06	3858451.99	3.58273	0.79658	1.49712	1.68065	12.27232	1.57188	0.81414	0.79658	36.7620614	0.358497374	3.798E-05	0.08706	5.659385	0.21746	1.405621	1.31988451	43.17024
1439	494561.06	3858451.99	3.57965	0.80363	1.45998	1.67752	12.14974	1.57294	0.81868	0.80363	36.7304578	0.361670195	3.704E-05	0.086898	5.602857	0.21761	1.413459	1.33156593	43.08142
1440	494611.06	3858451.99	3.57731	0.80702	1.42385	1.67432	12.02346	1.61717	0.82434	0.80702	36.7064473	0.36319585	3.612E-05	0.086732	5.544623	0.22373	1.423231	1.33718295	43.01081
1441	494661.06	3858451.99	3.57474	0.81122	1.38698	1.67115	11.8918	1.66197	0.82603	0.81122	36.6800767	0.365086042	3.518E-05	0.086568	5.483908	0.22993	1.426149	1.3441421	42.92761
1442	494711.06	3858451.99	3.57148	0.81622	1.34884	1.66774	11.75456	1.70946	0.82872	0.81622	36.6466262	0.36733627	3.422E-05	0.086391	5.42062	0.2365	1.430793	1.35242679	42.83587
1443	494761.06	3858451.99	3.56821	0.81745	1.31092	1.66452	11.61156	1.7585	0.83076	0.81745	36.613073	0.367889826	3.326E-05	0.086224	5.354675	0.24328	1.434316	1.35446483	42.74503
1444	494811.06	3858451.99	2.8158	0.81952	1.27412	1.66123	11.46582	1.80568	0.83231	0.81952	28.8926636	0.368821421	3.232E-05	0.086054	5.287467	0.24981	1.436992	1.35789469	34.96394
1445	494861.06	3858451.99	2.80921	0.82086	1.11285	1.65805	5.65876	1.85521	0.8329	0.82086	28.8250442	0.369424482	2.823E-05	0.085889	2.609539	0.25666	1.43801	1.36011499	32.22448
1446	494911.06	3858451.99	2.80306	0.82301	1.12355	1.65488	5.58364	1.90069	0.83299	0.82301	28.7619396	0.37039208	2.85E-05	0.085725	2.574898	0.26295	1.438166	1.36367741	32.13042
1447	494961.06	3858451.99	2.79469	0.82134	1.12862	1.65174	5.50661	1.96613	0.8323	0.82134	28.6760558	0.369640504	2.863E-05	0.085562	2.539375	0.272	1.436974	1.36091032	32.01873
1448	495011.06	3858451.99	2.78721	0.82049	1.1334	1.64868	5.42821	2.0289	0.83097	0.82049	28.5993042	0.369257965	2.875E-05	0.085404	2.503221	0.28069	1.434678	1.35950192	31.91308
1449	495061.06	3858451.99	2.78141	0.81902	1.14189	1.64572	5.34858	2.07705	0.82905	0.81902	28.5397909	0.368596398	2.897E-05	0.085251	2.4665	0.28735	1.431363	1.35706622	31.82181
1450	495111.06	3858451.99	2.77372	0.81803	1.14625	1.64277	5.26771	2.14674	0.82638	0.81803	28.4608846	0.368150853	2.908E-05	0.085098	2.429206	0.29699	1.426753	1.35542585	31.71169
1451	495161.06	3858451.99	2.76573	0.81379	1.14927	1.63985	5.18573	2.228	0.82302	0.81379	28.3788999	0.366242659	2.915E-05	0.084947	2.391401	0.30823	1.420952	1.34840043	31.6023
1452	495211.06	3858451.99	2.75808	0.81246	1.15239	1.63694	5.10282	2.31273	0.82136	0.81246	28.300404	0.365644099	2.923E-05	0.084796	2.353167	0.31995	1.418086	1.3461967	31.49588
1453	495261.06	3858451.99	2.75136	0.80593	1.15647	1.63404	5.01911	2.38537	0.81564	0.80593	28.2314507	0.3627053	2.934E-05	0.084646	2.314564	0.33	1.408211	1.33537689	31.39623
1454	495311.06	3858451.99	2.74501	0.80107	0.96342	1.63117	4.93465	2.45706	0.8093	0.80107	28.1662939	0.360518079	2.444E-05	0.084497	2.275616	0.33992	1.397265	1.32732417	31.29681
1455	495361.06	3858451.99	2.73899	0.79559	0.97037	1.62831	4.84966	2.52957	0.80352	0.79559	28.1045232	0.358051828	2.462E-05	0.084349	2.236422	0.34995	1.387285	1.31824414	31.20237
1456	495411.06	3858451.99	2.73359	0.78952	0.97733	1.62548	4.76438	2.59308	0.79718	0.78952	28.0491143	0.355320051	2.479E-05	0.084202	2.197096	0.35874	1.376339	1.30818652	31.11265
1457	495461.06	3858451.99	2.72821	0.78391	0.98427	1.62266	4.67879	2.65885	0.79028	0.78391	27.9939107	0.352795295	2.497E-05	0.084056	2.157626	0.36784	1.364426	1.29889109	31.02179
1458	495511.06	3858451.99	2.72161	0.77666	0.9911	1.61986	4.59298	2.75917	0.78382	0.77666	27.9261887	0.349532464	2.514E-05	0.083911	2.118054	0.38172	1.353273	1.28687828	30.92582
1459	495561.06	3858451.99	2.71701	0.76786	0.99799	1.61708	4.50676	2.82587	0.77479	0.76786	27.8789885	0.345572062	2.532E-05	0.083767	2.078294	0.39095	1.337683	1.27229722	30.84298
1460	495611.06	3858451.99	2.70985	0.75951	1.00471	1.61432	4.4209	2.95931	0.76623	0.75951	27.8055204	0.341814181	2.549E-05	0.083624	2.0387	0.40941	1.322904	1.25846178	30.74353
1461	495661.06	3858451.99	2.70454	0.75073	1.01148	1.61157	4.33494	3.06089	0.75723	0.75073	27.751035	0.33786278	2.566E-05	0.083482	1.999059	0.42346	1.307365	1.24391385	30.65837
1462	494311.06	3858501.99	3.59075	0.74683	1.54368	1.58701	12.82934	1.54648	0.77436	0.74683	36.8443539	0.336107602	3.916E-05	0.082209	5.916255	0.21395	1.33694	1.23745179	43.4924
1463	494361.06	3858501.99	3.58842	0.75759	1.53861	1.582	12.77505	1.54554	0.78221	0.75759	36.820446	0.340950093	3.903E-05	0.08195	5.891219	0.21382	1.350493	1.25528046	43.44363
1464	494411.06	3858501.99	3.58573	0.76626	1.46378	1.56957	12.71276	1.54444	0.78925	0.76626	36.7928441	0.344851989	3.713E-05	0.081306	5.862494	0.21367	1.362648	1.26964612	43.3882
1465	494461.06	3858501.99	3.58395	0.77295	1.42476	1.56796	12.64339	1.54354	0.79447	0.77295	36.7745797	0.347862795	3.614E-05	0.081223	5.830504	0.21354	1.371661	1.28073104	43.33868
1466	494511.06	3858501.99	3.58029	0.78038	1.38164	1.56585	12.56446	1.57117	0.80059	0.78038	36.7370248	0.351206634	3.505E-05	0.081113	5.794105	0.21736	1.382227	1.2930421	43.27003
1467	494561.06	3858501.99	3.58025	0.78891	1.34585	1.56456	12.4845	1.60339	0.80973	0.78891	36.7366143	0.355045523	3.414E-05	0.081046	5.757232	0.22182	1.398007	1.30717579	43.24262
1468	494611.06	3858501.99	3.57697	0.79512	1.30365	1.5625	12.39315	1.64019	0.81151	0.79512	36.7029586	0.357840307	3.307E-05	0.08094	5.715106	0.22691	1.40108	1.31746538	43.1674
1469	494661.06	3858501.99	3.57467	0.8007	1.26197	1.56035	12.29621	1.67499	0.81607	0.8007	36.6793585	0.360351562	3.201E-05	0.080828	5.670402	0.23173	1.408953	1.3267111	43.10494
1470	494711.06	3858501.99	3.57086	0.80395	1.21966	1.55795	12.1908	1.71313	0.81994	0.80395	36.6402644	0.36181421	3.094E-05	0.080704	5.621792	0.237	1.415635	1.33209615	43.02515
1471	494761.06	3858501.99	3.56655	0.80802	1.21569	1.5563	12.07934	1.75365	0.82313	0.80802	36.5960399	0.363645896	3.084E-05	0.080619	5.570392	0.24261	1.421142	1.33883989	42.93564

1472	494811.06	3858501.99	3.56254	0.81143	1.22018	1.55464	11.96268	1.79488	0.82573	0.81143	36.5548937	0.365180552	3.095E-05	0.080533	5.516594	0.24831	1.425631	1.34449005	42.84669
1473	494861.06	3858501.99	3.55968	0.81421	1.2256	1.55275	11.84195	1.83378	0.82777	0.81421	36.5255475	0.366431679	3.109E-05	0.080435	5.460919	0.25369	1.429153	1.34909634	42.76712
1474	494911.06	3858501.99	2.82766	0.81616	1.22474	1.55086	11.71254	1.92671	0.82904	0.81616	29.0143579	0.367309268	3.107E-05	0.080337	5.401242	0.26655	1.431346	1.35232738	35.20885
1475	494961.06	3858501.99	2.82154	0.81753	1.22775	1.54912	5.79147	1.92955	0.82978	0.81753	28.9515612	0.36792583	3.115E-05	0.080247	2.670738	0.26694	1.432624	1.35459738	32.41547
1476	495011.06	3858501.99	2.81385	0.81811	1.2262	1.54723	5.72541	1.98786	0.82978	0.81811	28.8726548	0.368186857	3.111E-05	0.080149	2.640275	0.27501	1.432624	1.35555841	32.31337
1477	495061.06	3858501.99	2.80839	0.81808	1.22854	1.54556	5.65729	2.03163	0.83067	0.81808	28.8166302	0.368173355	3.117E-05	0.080062	2.608861	0.28107	1.43416	1.3555087	32.23348
1478	495111.06	3858501.99	2.79963	0.8172	1.22208	1.54388	5.58723	2.11309	0.82925	0.8172	28.7267447	0.367777315	3.1E-05	0.079975	2.576553	0.29234	1.431709	1.35405059	32.12107
1479	495161.06	3858501.99	2.79237	0.81568	1.21976	1.54228	5.51545	2.18442	0.82586	0.81568	28.6522505	0.367093246	3.094E-05	0.079892	2.543452	0.3022	1.425856	1.35153205	32.01925
1480	495211.06	3858501.99	2.7853	0.81475	1.2169	1.54067	5.44185	2.2634	0.82452	0.81475	28.5797059	0.366674703	3.087E-05	0.079809	2.509511	0.31313	1.423542	1.34999109	31.92241
1481	495261.06	3858501.99	2.77912	0.81064	1.21488	1.53907	5.36703	2.33663	0.81999	0.81064	28.5162935	0.364825016	3.082E-05	0.079726	2.475008	0.32326	1.415721	1.34318107	31.83168
1482	495311.06	3858501.99	2.77353	0.80717	1.21347	1.53746	5.29078	2.40236	0.81616	0.80717	28.458935	0.363263357	3.078E-05	0.079643	2.439845	0.33235	1.409109	1.33743149	31.74575
1483	495361.06	3858501.99	2.76797	0.80548	1.21132	1.53584	5.21341	2.47328	0.81292	0.80548	28.4018843	0.36250278	3.073E-05	0.079559	2.404166	0.34217	1.403515	1.33463127	31.65919
1484	495411.06	3858501.99	2.7629	0.79829	1.20892	1.53423	5.13477	2.54431	0.80907	0.79829	28.3498615	0.359266952	3.067E-05	0.079475	2.367901	0.35199	1.396868	1.32271788	31.58268
1485	495461.06	3858501.99	2.75778	0.79292	1.20572	1.53262	5.05542	2.62271	0.80097	0.79292	28.2973257	0.356850206	3.059E-05	0.079392	2.331309	0.36284	1.382883	1.31382011	31.49681
1486	495511.06	3858501.99	2.75208	0.78692	1.20114	1.53101	4.9751	2.7194	0.79469	0.78692	28.2388385	0.354149932	3.047E-05	0.079308	2.294269	0.37622	1.37204	1.30387848	31.41097
1487	495561.06	3858501.99	2.74761	0.78039	1.19767	1.5294	4.89411	2.79645	0.78789	0.78039	28.1929723	0.351211134	3.038E-05	0.079225	2.256921	0.38688	1.3603	1.29305867	31.33448
1488	495611.06	3858501.99	2.74285	0.77329	1.19317	1.52779	4.8125	2.89011	0.78053	0.77329	28.1441303	0.34801581	3.027E-05	0.079142	2.219286	0.39983	1.347593	1.2812944	31.25674
1489	495661.06	3858501.99	2.73609	0.76556	1.18515	1.52619	4.73036	3.19961	0.77258	0.76556	28.0747666	0.344536957	3.006E-05	0.079059	2.181407	0.44265	1.333867	1.26848626	31.18783
1490	494311.06	3858551.99	3.58459	0.81437	1.68092	1.61628	12.74027	1.52008	0.8184	0.81437	36.7811467	0.366503686	4.264E-05	0.083726	5.87518	0.2103	1.412976	1.34936146	43.38051
1491	494361.06	3858551.99	3.58547	0.76187	1.70468	1.62575	12.73533	1.52009	0.76562	0.76187	36.7901763	0.342876289	4.324E-05	0.084216	5.872902	0.2103	1.321851	1.26237215	43.35999
1492	494411.06	3858551.99	3.58393	0.74441	1.71935	1.62372	12.71719	1.52194	0.77107	0.74441	36.7743745	0.335018491	4.362E-05	0.084111	5.864537	0.21055	1.33126	1.233442	43.36646
1493	494461.06	3858551.99	3.58263	0.75369	1.73148	1.62195	12.69175	1.55089	0.77868	0.75369	36.7610353	0.339194915	4.392E-05	0.084019	5.852805	0.21456	1.344399	1.24881839	43.34724
1494	494511.06	3858551.99	3.58007	0.7623	1.73744	1.61842	12.65643	1.58028	0.78575	0.7623	36.7347674	0.343069808	4.408E-05	0.083836	5.836517	0.21862	1.356605	1.26308464	43.31038
1495	494561.06	3858551.99	3.57783	0.77036	1.74125	1.6154	12.6139	1.60919	0.79246	0.77036	36.711783	0.346697176	4.417E-05	0.08368	5.816905	0.22262	1.36819	1.27643957	43.27348
1496	494611.06	3858551.99	3.57477	0.77776	1.74032	1.59851	12.56172	1.63857	0.79846	0.77776	36.6803846	0.350027514	4.415E-05	0.082805	5.792842	0.22669	1.378549	1.28870092	43.22264
1497	494661.06	3858551.99	3.57197	0.78456	1.73737	1.58989	12.50257	1.66798	0.80562	0.78456	36.651654	0.353087825	4.407E-05	0.082359	5.765565	0.23076	1.390911	1.2999681	43.17441
1498	494711.06	3858551.99	3.56738	0.79394	1.317	1.565	12.43363	1.69996	0.8106	0.79394	36.6045565	0.357309253	3.341E-05	0.081069	5.733773	0.23518	1.399509	1.31551019	43.09592
1499	494761.06	3858551.99	3.56282	0.79602	1.31575	1.53772	12.35826	1.73366	0.81494	0.79602	36.5577667	0.358245348	3.338E-05	0.079656	5.699016	0.23984	1.407002	1.31895662	43.02261
1500	494811.06	3858551.99	3.5591	0.80082	1.31483	1.52514	12.27732	1.7672	0.81713	0.80082	36.5195962	0.360405567	3.335E-05	0.079004	5.661691	0.24448	1.410783	1.32690993	42.94909
1501	494861.06	3858551.99	3.55442	0.80487	1.31087	1.50697	12.18891	1.80536	0.82029	0.80487	36.4715751	0.362228252	3.325E-05	0.078063	5.62092	0.24976	1.416239	1.33362053	42.8652
1502	494911.06	3858551.99	3.54915	0.80971	1.30449	1.47905	12.09335	2.04267	0.82429	0.80971	36.4175001	0.364406473	3.309E-05	0.076617	5.576853	0.28259	1.423145	1.34164012	42.79951
1503	494961.06	3858551.99	3.54484	0.8109	1.29887	1.47787	11.99323	1.89431	0.82483	0.8109	36.3732756	0.364942027	3.295E-05	0.076556	5.530682	0.26207	1.424077	1.34361188	42.68802
1504	495011.06	3858551.99	3.53979	0.81288	1.29002	1.47683	11.88613	1.9506	0.82605	0.81288	36.321458	0.365833118	3.273E-05	0.076502	5.481293	0.26986	1.426184	1.34689262	42.59427
1505	495061.06	3858551.99	2.83288	0.81422	1.28402	1.47579	11.77598	2.00107	0.82669	0.81422	29.0679199	0.366436179	3.257E-05	0.076448	5.430497	0.27684	1.427289	1.34911291	35.29635
1506	495111.06	3858551.99	2.82456	0.81477	1.2718	1.47467	5.83139	2.08164	0.82663	0.81477	28.9825491	0.366683704	3.226E-05	0.07639	2.689148	0.28798	1.427185	1.35002423	32.47995
1507	495161.06	3858551.99	2.81777	0.81614	1.26281	1.47376	5.77295	2.156	0.826	0.81614	28.9128775	0.367300267	3.203E-05	0.076343	2.662198	0.29827	1.426097	1.35229424	32.39083
1508	495211.06	3858551.99	2.8111	0.81394	1.25285	1.47285	5.71203	2.23456	0.82473	0.81394	28.8444373	0.366310166	3.178E-05	0.076296	2.634105	0.30914	1.423905	1.34864897	32.30558
1509	495261.06	3858551.99	2.80526	0.81251	1.24511	1.472	5.64911	2.30985	0.82284	0.81251	28.7845136	0.365666601	3.159E-05	0.076252	2.605089	0.31956	1.420642	1.34627955	32.22547
1510	495311.06	3858551.99	2.80052	0.81045	1.23852	1.47114	5.58392	2.37691	0.82035	0.81045	28.7358769	0.364739507	3.142E-05	0.076207	2.575027	0.32883	1.416343	1.34286625	32.15419
1511	495361.06	3858551.99	2.79539	0.8077	1.23081	1.47028	5.51718	2.45495	0.8172	0.8077	28.6832384	0.363501881	3.122E-05	0.076163	2.54425	0.33963	1.410904	1.33830967	32.07941
1512	495411.06	3858551.99	2.79077	0.80432	1.22358	1.46941	5.44847	2.52997	0.81344	0.80432	28.635833	0.361980727	3.104E-05	0.076117	2.512564	0.35001	1.404412	1.33270922	32.00824
1513	495461.06	3858551.99	2.78576	0.80026	1.21492	1.46853	5.37833	2.62107	0.80904	0.80026	28.5844259	0.360153542	3.082E-05	0.076072	2.480219	0.36261	1.396816	1.32598205	31.93435
1514	495511.06	3858551.99	2.78109	0.7956	1.20652	1.46765	5.30667	2.75492	0.80405	0.7956	28.5365074	0.358056329	3.061E-05	0.076026	2.447173	0.38113	1.3882	1.31826071	31.86886
1515	495561.06	3858551.99	2.77593	0.79029	1.19663	1.46677	5.23378	3.00321	0.79968	0.79029	28.4835612	0.355666586	3.036E-05	0.075981	2.41356	0.41548	1.380656	1.30946236	31.81547
1516	495611.06	3858551.99	2.77041	0.78438	1.18579	1.46588	5.15957	3.24826	0.79223	0.78438	28.426921	0.353006816	3.008E-05	0.075935	2.379338	0.44938	1.367793	1.29966985	31.75273
1517	495661.06	3858551.99	2.76467	0.779	1.1742	1.46498	5.08437	3.48776	0.7866	0.779	28.3680233	0.350585571	2.979E-05	0.075888	2.344659	0.48251	1.358073	1.29075552	31.68902
1518	494311.06	3858601.99	3.56296	0.88362	1.33885	1.51446	12.41671	1.50744	0.88809	0.88362	36.5592033	0.397669348	3.396E-05	0.078451	5.72597	0.20855	1.533296	1.46410448	43.03907
1519	494361.06	3858601.99	3.57529	0.89355	1.78525	1.64784	12.47453	1.51441	0.89808	0.89355	36.6857202	0.402138301	4.529E-05	0.08536	5.752634	0.20951	1.550544	1.48055789	43.2054
1520	494411.06	3858601.99	3.58058	0.87236	1.80154	1.66438	12.5112	1.74624	0.87681	0.87236	36.7400004	0.392601834	4.57E-05	0.086217	5.769544	0.24158	1.513821	1.44544735	43.29837
1521	494461.06	3858601.99	3.57874	0.80439	1.79662	1.65975	12.5283	1.74692	0.80845	0.80439	36.7211204	0.36201223	4.558E-05	0.085977	5.77743	0.24168	1.395797	1.3328252	43.25124
1522	494511.06	3858601.99	3.57602	0.74278	1.78676	1.6539	12.53553	1.71438	0.77006	0.74278	36.6932107	0.334284917	4.533E-05	0.085674	5.780764	0.23718	1.329516	1.23074119	43.22993
1523	494561.06	3858601.99	3.57366	0.75188	1.77511	1.64969	12.53424	1.72167	0.78111	0.75188	36.668995	0.338380332	4.503E-05	0.085456	5.780169	0.23818	1.348594	1.24581933	43.21401
1524	494611.06	3858601.99	3.56922	0.76198	1.75621	1.63734	12.52243	1.65697	0.78596	0.76198	36.6234365	0.342925794	4.455E-05	0.084816	5.774723	0.22923	1.356968	1.26255442	43.14959
1525	494661.06	3858601.99	3.56572	0.76796	1.73738	1.63159	12.50399	1.65875	0.79052	0.76796	36.5875234	0.345617067	4.407E-05	0.084519	5.766219	0.22948	1.364841	1.27246291	43.10578
1526	494711.06	3858601.99	3.56081	0.77498	1.71348	1.62197	12.47584	1.68683	0.79617	0.77498	36.5371423	0.348776387	4.347E-05	0.08402	5.753238	0.23336	1.374596	1.28409463	43.04709
1527	494761.06	3858601.99	3.55593	0.78159	1.68804	1.60995	12.43916	1.71704	0.80174	0.78159	36.4870691	0.351751189	4.282E-05	0.083398	5.736323	0.23754	1.384212	1.29504699	42.98529
1528	494811.06	3858601.99	3.54927	0.78905	1.3689	1.56116	12.39249	1.7527	0.80776	0.78905	36.4187314	0.35510853	3.473E-05	0.08087	5.714801	0.24248	1.394606	1.30740776	42.89922
1529	494861.06	3858601.99	3.54514	0.7929	1.35998	1.54179	12.34262	1.78798	0.81218	0.7929	36.3763539	0.356841205	3.45E-05	0.079867	5.691804	0.24736	1.402237	1.31378697	42.84071
1530	494911.06	3858601.99	3.53892	0.79755	1.34573	1.50802	12.2825	2.16394	0.81418	0.79755	36.312531	0.358933918	3.414E-05	0.078118	5.664079	0.29937	1.40569	1.32149174	42.79726

1531	494961.06	3858601.99	3.53417	0.80158	1.33348	1.48647	12.21732	1.87934	0.81744	0.80158	36.2637917	0.360747602	3.383E-05	0.077001	5.634022	0.26	1.411318	1.3281692	42.67874
1532	495011.06	3858601.99	3.52922	0.80491	1.31999	1.45985	12.14564	1.93215	0.81976	0.80491	36.2130002	0.362246254	3.349E-05	0.075622	5.600966	0.2673	1.415324	1.33368681	42.60081
1533	495061.06	3858601.99	3.52413	0.80759	1.30532	1.43126	12.06785	1.99329	0.82165	0.80759	36.1607722	0.363452376	3.311E-05	0.074141	5.565093	0.27576	1.418587	1.33812741	42.51971
1534	495111.06	3858601.99	2.84687	0.80949	1.28604	1.43036	11.98082	2.08049	0.82283	0.80949	29.2114699	0.364307463	3.262E-05	0.074095	5.524959	0.28783	1.420624	1.34127559	35.54204
1535	495161.06	3858601.99	2.84073	0.81084	1.27188	1.42983	5.94724	2.15532	0.82351	0.81084	29.148468	0.364915025	3.226E-05	0.074067	2.742572	0.29818	1.421798	1.34351246	32.70652
1536	495211.06	3858601.99	2.83563	0.81153	1.25936	1.42922	5.90136	2.22715	0.82358	0.81153	29.0961373	0.365225556	3.195E-05	0.074036	2.721414	0.30812	1.421919	1.34465575	32.64222
1537	495261.06	3858601.99	2.83006	0.81152	1.2457	1.42868	5.85302	2.31128	0.82301	0.81152	29.0389841	0.365221056	3.16E-05	0.074008	2.699122	0.31975	1.420935	1.34463918	32.57342
1538	495311.06	3858601.99	2.82498	0.81084	1.23276	1.42814	5.80194	2.39566	0.82181	0.81084	28.9868587	0.364915025	3.127E-05	0.07398	2.675567	0.33143	1.418863	1.34351246	32.50813
1539	495361.06	3858601.99	2.82046	0.8095	1.22068	1.42766	5.74855	2.47854	0.81999	0.8095	28.9404794	0.364311963	3.097E-05	0.073955	2.650946	0.34289	1.415721	1.34129216	32.44705
1540	495411.06	3858601.99	2.81598	0.80748	1.20812	1.42717	5.6926	2.6294	0.81753	0.80748	28.8945105	0.363402871	3.065E-05	0.073929	2.625145	0.36376	1.411474	1.33794515	32.39431
1541	495461.06	3858601.99	2.81156	0.8048	1.19545	1.42669	5.63466	2.84143	0.81444	0.8048	28.8491573	0.362196749	3.033E-05	0.073905	2.598425	0.3931	1.406139	1.33350455	32.34945
1542	495511.06	3858601.99	2.8062	0.80144	1.18062	1.4262	5.57436	3.05365	0.81068	0.80144	28.7941588	0.360684595	2.995E-05	0.073879	2.570618	0.42246	1.399647	1.32793723	32.29354
1543	495561.06	3858601.99	2.80196	0.79748	1.17934	1.4257	5.51249	3.24419	0.80636	0.79748	28.7506526	0.358902415	2.992E-05	0.073853	2.542087	0.44882	1.392189	1.32137575	32.24516
1544	495611.06	3858601.99	2.79614	0.79282	1.18748	1.42514	5.44858	3.44312	0.80137	0.79282	28.6909341	0.356805202	3.012E-05	0.073824	2.512615	0.47634	1.383573	1.31365442	32.18047
1545	495661.06	3858601.99	2.79165	0.78762	1.19541	1.42464	5.38297	3.61792	0.79713	0.78762	28.6448626	0.354464964	3.032E-05	0.073798	2.482359	0.50052	1.376253	1.30503834	32.12725
1546	494311.06	3858651.99	3.54843	1.01602	1.4208	1.52781	11.91204	1.51699	1.0214	1.01602	36.4101123	0.457255394	3.604E-05	0.079143	5.493242	0.20987	1.763457	1.68348321	42.72963
1547	494361.06	3858651.99	3.56016	1.02803	1.77319	1.67961	12.01251	1.56927	1.03345	1.02803	36.5304727	0.462660442	4.498E-05	0.087006	5.539573	0.2171	1.784262	1.70338305	42.91774
1548	494411.06	3858651.99	3.57218	1.03442	1.79191	1.71616	12.10291	1.99555	1.03994	1.03442	36.6538088	0.465536234	4.546E-05	0.088899	5.581261	0.27607	1.795467	1.71397089	43.14712
1549	494461.06	3858651.99	3.56983	0.97009	1.77079	1.70789	12.16111	2.01542	0.9752	0.97009	36.6296957	0.436584796	4.492E-05	0.088471	5.6081	0.27882	1.683693	1.60738	43.11803
1550	494511.06	3858651.99	3.56644	0.89281	1.74534	1.69968	12.20898	1.98902	0.89745	0.89281	36.5949112	0.401805268	4.428E-05	0.088046	5.630176	0.27517	1.549457	1.47933175	43.06028
1551	494561.06	3858651.99	3.56372	0.82198	1.71981	1.69204	12.24991	1.98055	0.8262	0.82198	36.5670015	0.369928533	4.363E-05	0.08765	5.64905	0.274	1.426443	1.36197076	43.01215
1552	494611.06	3858651.99	3.56026	0.75122	1.69105	1.68007	12.28153	1.95951	0.76843	0.75122	36.5314988	0.338083302	4.29E-05	0.08703	5.663632	0.27109	1.326702	1.24472575	42.97335
1553	494661.06	3858651.99	3.55555	0.7494	1.65825	1.67186	12.30245	1.90545	0.77556	0.7494	36.4831699	0.337264219	4.207E-05	0.086605	5.673279	0.26361	1.339012	1.24171012	42.94127
1554	494711.06	3858651.99	3.54961	0.75767	1.62069	1.66158	12.31306	1.80549	0.78219	0.75767	36.4222201	0.340986097	4.111E-05	0.086072	5.678172	0.24978	1.350459	1.25541301	42.87232
1555	494761.06	3858651.99	3.54463	0.76717	1.58534	1.64667	12.31786	1.72227	0.78834	0.76717	36.3711208	0.345261531	4.022E-05	0.0853	5.680386	0.23827	1.361077	1.27115393	42.8103
1556	494811.06	3858651.99	3.53798	0.77208	1.5459	1.63431	12.31205	2.0344	0.79368	0.77208	36.3028858	0.347471255	3.922E-05	0.08466	5.677706	0.28145	1.370297	1.2792895	42.78522
1557	494861.06	3858651.99	3.53185	0.77852	1.50714	1.61392	12.29863	1.79022	0.79881	0.77852	36.2399864	0.350369549	3.823E-05	0.083603	5.671518	0.24767	1.379154	1.28996019	42.68238
1558	494911.06	3858651.99	3.52528	0.78596	1.34912	1.56018	12.2771	2.29852	0.80523	0.78596	36.1725723	0.353717889	3.422E-05	0.08082	5.661589	0.31799	1.390238	1.30228782	42.67467
1559	494961.06	3858651.99	3.51924	0.79121	1.32936	1.51773	12.24918	1.88831	0.80763	0.79121	36.1105964	0.356080628	3.372E-05	0.078621	5.648714	0.26124	1.394381	1.31098675	42.53868
1560	495011.06	3858651.99	3.51419	0.79603	1.31087	1.49674	12.21531	1.94412	0.81613	0.79603	36.0587788	0.358249848	3.325E-05	0.077533	5.633095	0.26896	1.409057	1.31897319	42.48673
1561	495061.06	3858651.99	3.5086	0.79832	1.29086	1.46666	12.17349	2.00949	0.81433	0.79832	36.0014203	0.359280453	3.275E-05	0.075975	5.613809	0.278	1.405949	1.32276758	42.4117
1562	495111.06	3858651.99	3.5023	0.80305	1.26896	1.42424	12.12322	2.09124	0.81671	0.80305	35.9367766	0.361409169	3.219E-05	0.073778	5.590627	0.28931	1.410058	1.33060491	42.33139
1563	495161.06	3858651.99	3.49774	0.8043	1.25005	1.40513	12.0693	2.17	0.82019	0.8043	35.8899869	0.361971726	3.171E-05	0.072788	5.565762	0.30021	1.416066	1.33267608	42.27414
1564	495211.06	3858651.99	3.49279	0.8063	1.22971	1.40473	12.00771	2.2655	0.82006	0.8063	35.8391954	0.362871817	3.12E-05	0.072767	5.53736	0.31342	1.415842	1.33598996	42.2055
1565	495261.06	3858651.99	3.49005	0.80772	1.22451	1.40427	11.94389	2.34273	0.8207	0.80772	35.8110805	0.363510882	3.106E-05	0.072743	5.507929	0.32411	1.416947	1.33834281	42.158
1566	495311.06	3858651.99	2.84802	0.80988	1.23349	1.40394	11.8725	2.50984	0.82077	0.80988	29.22327	0.364482981	3.129E-05	0.072726	5.475008	0.34722	1.417068	1.3419218	35.55789
1567	495361.06	3858651.99	2.84387	0.80847	1.24222	1.40355	11.79638	2.69548	0.82162	0.80847	29.1806872	0.363848416	3.151E-05	0.072706	5.439905	0.37291	1.418535	1.33958551	35.50903
1568	495411.06	3858651.99	2.83998	0.80785	1.25071	1.40323	11.71476	2.87182	0.81913	0.80785	29.1407723	0.363569388	3.173E-05	0.072689	5.402266	0.3973	1.414236	1.33855821	35.45231
1569	495461.06	3858651.99	2.83647	0.80657	1.25896	1.40298	11.62909	3.03576	0.8173	0.80657	29.1047565	0.36299333	3.194E-05	0.072676	5.362759	0.41998	1.411077	1.33643733	35.39784
1570	495511.06	3858651.99	2.83112	0.80454	1.26707	1.40253	11.5349	3.20138	0.81476	0.80454	29.0498607	0.362079737	3.214E-05	0.072653	5.319323	0.4429	1.406691	1.33307374	35.32046
1571	495561.06	3858651.99	2.82629	0.80189	1.27494	1.40221	5.71861	3.35832	0.81167	0.80189	29.0003005	0.360887116	3.234E-05	0.072636	2.637139	0.46461	1.401356	1.32868286	32.60828
1572	495611.06	3858651.99	2.82051	0.79855	1.28261	1.40176	5.66747	3.52242	0.80793	0.79855	28.9409924	0.359383963	3.254E-05	0.072613	2.613556	0.48731	1.394899	1.32314868	32.54564
1573	495661.06	3858651.99	2.8162	0.79464	1.29001	1.40145	5.6145	3.67551	0.80364	0.79464	28.8967679	0.357624285	3.272E-05	0.072597	2.589129	0.50849	1.387493	1.31667005	32.49546
1574	494311.06	3858701.99	3.53438	1.19309	1.6781	1.61736	11.24425	1.50806	1.19978	1.19309	36.2659465	0.536944979	4.257E-05	0.083782	5.18529	0.20863	2.071432	1.97687741	42.37519
1575	494361.06	3858701.99	3.55082	1.23132	1.69828	1.779	11.39104	1.8986	1.23826	1.23132	36.4346358	0.554150225	4.308E-05	0.092155	5.252982	0.26266	2.137868	2.04022219	42.69427
1576	494411.06	3858701.99	3.55846	1.21026	1.69008	1.78352	11.51307	2.19528	1.21709	1.21026	36.5130292	0.544672263	4.287E-05	0.092389	5.309256	0.30371	2.101318	2.00532706	42.85909
1577	494461.06	3858701.99	3.55659	1.13709	1.65874	1.77186	11.61115	2.26091	1.14339	1.13709	36.4938413	0.511742422	4.208E-05	0.091785	5.354486	0.31279	1.974074	1.88408883	42.85467
1578	494511.06	3858701.99	3.55228	1.06358	1.62152	1.75894	11.69805	2.26837	1.06937	1.06358	36.4496168	0.478659565	4.113E-05	0.091116	5.39456	0.31382	1.846278	1.76228724	42.8118
1579	494561.06	3858701.99	3.54858	0.98443	1.58461	1.74743	11.77725	2.25504	0.9897	0.98443	36.4116514	0.443038451	4.02E-05	0.090519	5.431083	0.31197	1.708727	1.63114051	42.76589
1580	494611.06	3858701.99	3.54143	0.89246	1.54031	1.73499	11.84216	2.15136	0.89714	0.89246	36.3382859	0.401647752	3.907E-05	0.089875	5.461016	0.29763	1.548921	1.47875183	42.65866
1581	494661.06	3858701.99	3.53922	0.8257	1.50519	1.72562	11.90729	2.1688	0.83	0.8257	36.3156093	0.371602703	3.818E-05	0.08939	5.491051	0.30004	1.433003	1.36813457	42.6326
1582	494711.06	3858701.99	3.52596	0.73749	1.44764	1.69668	11.94702	1.8592	0.76588	0.73749	36.1795497	0.331904175	3.672E-05	0.08789	5.509373	0.25721	1.3223	1.22197598	42.46629
1583	494761.06	3858701.99	3.52634	0.74665	1.41729	1.69596	11.99995	1.97219	0.77503	0.74665	36.1834488	0.336026594	3.595E-05	0.087853	5.533781	0.27284	1.338097	1.23715354	42.51493
1584	494811.06	3858701.99	3.51926	0.75477	1.37284	1.67721	12.03302	2.26224	0.77976	0.75477	36.1108016	0.339680964	3.483E-05	0.086882	5.549031	0.31297	1.346264	1.25060789	42.49506
1585	494861.06	3858701.99	3.51322	0.76217	1.33563	1.65709	12.06017	1.96841	0.78562	0.76217	36.0488257	0.343011302	3.388E-05	0.08584	5.561552	0.27232	1.356381	1.26286924	42.40509
1586	494911.06	3858701.99	3.50767	0.76905	1.31376	1.64522	12.07992	2.45567	0.79108	0.76905	35.9918777	0.346107616	3.333E-05	0.085225	5.570659	0.33973	1.365808	1.27426898	42.42517
1587	494961.06	3858701.99	3.49878	0.77532	1.28874	1.57586	12.0866	1.92323	0.79599	0.77532	35.9006582	0.348929403	3.269E-05	0.081632	5.57374	0.26607	1.374285	1.28465799	42.26069
1588	495011.06	3858701.99	3.49252	0.78417	1.29374	1.52912	12.08942	1.98875	0.80221	0.78417	35.8364249	0.352912307	3.282E-05	0.079211	5.57504	0.27513	1.385024	1.2993219	42.20446
1589	495061.06	3858701.99	3.48859	0.78654	1.30325	1.51178	12.08858	2.05082	0.80486	0.78654	35.7960996	0.353978915	3.306E-05	0.078312	5.574653	0.28372	1.389599	1.30324884	42.17315

1590	495111.06	3858701.99	3.48166	0.7911	1.3127	1.47318	12.07545	2.14069	0.80837	0.7911	35.7249915	0.356031123	3.33E-05	0.076313	5.568598	0.29615	1.395659	1.31080448	42.10698
1591	495161.06	3858701.99	3.47715	0.79681	1.32169	1.45245	12.05946	2.22973	0.81143	0.79681	35.6787148	0.358600884	3.353E-05	0.075239	5.561224	0.30847	1.400942	1.32026561	42.06296
1592	495211.06	3858701.99	3.47171	0.79842	1.33047	1.42416	12.0343	2.40286	0.81383	0.79842	35.6228954	0.359325458	3.375E-05	0.073773	5.549622	0.33242	1.405086	1.32293328	42.02023
1593	495261.06	3858701.99	3.46876	0.8012	1.33883	1.42119	12.00581	2.56508	0.81581	0.8012	35.5926258	0.360576584	3.396E-05	0.07362	5.536484	0.35487	1.408504	1.32753957	41.99917
1594	495311.06	3858701.99	3.46584	0.80331	1.34693	1.42568	11.97051	2.71961	0.81717	0.80331	35.5626639	0.361526181	3.417E-05	0.073852	5.520205	0.37624	1.410852	1.33103571	41.97434
1595	495361.06	3858701.99	3.46232	0.8047	1.3548	1.4193	11.92817	2.8678	0.81786	0.8047	35.5265455	0.362151744	3.437E-05	0.073522	5.50068	0.39675	1.412044	1.33333885	41.93838
1596	495411.06	3858701.99	3.45983	0.80695	1.36235	1.42999	11.88028	3.00398	0.81799	0.80695	35.5009959	0.363164347	3.456E-05	0.074075	5.478595	0.41559	1.412268	1.33706697	41.90765
1597	495461.06	3858701.99	3.45662	0.80552	1.36969	1.433	11.82501	3.13722	0.81744	0.80552	35.4680583	0.362520782	3.475E-05	0.074231	5.453108	0.43402	1.411318	1.33469754	41.86859
1598	495511.06	3858701.99	3.45289	0.80488	1.37681	1.42713	11.76339	3.27067	0.81625	0.80488	35.4297852	0.362232753	3.493E-05	0.073927	5.424692	0.45248	1.409264	1.3336371	41.81878
1599	495561.06	3858701.99	3.44883	0.80356	1.3837	1.41102	11.69569	3.41126	0.81589	0.80356	35.3881259	0.361638692	3.51E-05	0.073093	5.393472	0.47193	1.408642	1.33144994	41.76549
1600	495611.06	3858701.99	3.44473	0.80158	1.39035	1.39173	11.62168	3.56624	0.812	0.80158	35.3460562	0.360747602	3.527E-05	0.072094	5.359342	0.49337	1.401926	1.3281692	41.7054
1601	495661.06	3858701.99	3.44134	0.79897	1.39671	1.39141	11.54338	3.73788	0.81033	0.79897	35.3112717	0.359572983	3.543E-05	0.072077	5.323234	0.51712	1.399043	1.32384459	41.65851
1602	494311.06	3858751.99	3.51772	1.37966	1.53192	1.81743	10.44049	1.70452	1.38788	1.37966	36.0949998	0.620909998	3.886E-05	0.094145	4.814636	0.23581	2.396189	2.28601253	41.97072
1603	494361.06	3858751.99	3.5352	1.42732	1.53969	1.89417	10.62121	2.1209	1.43591	1.42732	36.2743605	0.642359174	3.906E-05	0.098121	4.897975	0.29342	2.479113	2.36498225	42.3204
1604	494411.06	3858751.99	3.54099	1.38989	1.5151	1.88394	10.77349	2.32537	1.39823	1.38989	36.3337711	0.625513965	3.843E-05	0.097591	4.968199	0.3217	2.414058	2.30296302	42.45791
1605	494461.06	3858751.99	3.5389	1.31496	1.47612	1.86637	10.90558	2.36283	1.3227	1.31496	36.3123258	0.591792044	3.745E-05	0.096681	5.029112	0.32689	2.283655	2.17880857	42.46168
1606	494511.06	3858751.99	3.53504	1.24376	1.43836	1.84893	11.02803	2.40875	1.25093	1.24376	36.2727187	0.559748793	3.649E-05	0.095777	5.08558	0.33324	2.159743	2.06083451	42.44601
1607	494561.06	3858751.99	3.53115	1.15541	1.41741	1.83254	11.14209	2.50473	1.16195	1.15541	36.2328038	0.519987258	3.596E-05	0.094928	5.138179	0.34652	2.006118	1.91444395	42.42413
1608	494611.06	3858751.99	3.52346	1.06415	1.39267	1.81349	11.24376	2.51748	1.07001	1.06415	36.1538974	0.478916091	3.533E-05	0.093941	5.185064	0.34828	1.847383	1.76323169	42.34429
1609	494661.06	3858751.99	3.51969	0.98272	1.40077	1.79874	11.34343	2.48888	0.98805	0.98272	36.1152138	0.442268873	3.553E-05	0.093177	5.231027	0.34432	1.705878	1.62830714	42.30362
1610	494711.06	3858751.99	3.51081	0.88711	1.39935	1.78093	11.42712	2.3525	0.89181	0.88711	36.0240969	0.399240007	3.55E-05	0.092255	5.26962	0.32546	1.539719	1.4698872	42.18054
1611	494761.06	3858751.99	3.50444	0.81289	1.40038	1.76669	11.50669	2.48508	0.81714	0.81289	35.9587349	0.365837618	3.552E-05	0.091517	5.306314	0.3438	1.4108	1.34690919	42.13013
1612	494811.06	3858751.99	3.49649	0.73699	1.39712	1.74217	11.57628	2.55297	0.76424	0.73699	35.8771607	0.331679153	3.544E-05	0.090247	5.338406	0.35319	1.319468	1.22114751	42.08904
1613	494861.06	3858751.99	3.4892	0.74382	1.40018	1.7233	11.63927	2.31521	0.77102	0.74382	35.8023587	0.334752964	3.552E-05	0.089269	5.367454	0.3203	1.331174	1.23246441	42.01288
1614	494911.06	3858751.99	3.48134	0.75167	1.40964	1.68902	11.69389	2.61553	0.77713	0.75167	35.721708	0.338285823	3.576E-05	0.087494	5.392642	0.36185	1.341723	1.24547138	41.99826
1615	494961.06	3858751.99	3.47515	0.75898	1.41864	1.67219	11.74298	1.9755	0.78289	0.75898	35.658193	0.341575657	3.599E-05	0.086622	5.415279	0.2733	1.351668	1.2575836	41.86909
1616	495011.06	3858751.99	3.47019	0.76599	1.42721	1.65478	11.78591	2.03873	0.79012	0.76599	35.6072989	0.344730477	3.621E-05	0.08572	5.435077	0.28205	1.36415	1.26919874	41.84986
1617	495061.06	3858751.99	3.46389	0.7724	1.4356	1.60562	11.81999	2.1561	0.79349	0.7724	35.5426551	0.347615269	3.642E-05	0.083173	5.450793	0.29829	1.369969	1.27981972	41.81271
1618	495111.06	3858751.99	3.45694	0.78142	1.44373	1.54749	11.84471	2.30552	0.80142	0.78142	35.4713418	0.351674681	3.662E-05	0.080162	5.462192	0.31896	1.38366	1.29476531	41.77326
1619	495161.06	3858751.99	3.45192	0.78346	1.45137	1.51407	11.86475	2.44996	0.80214	0.78346	35.4198321	0.352592774	3.682E-05	0.078431	5.471434	0.33894	1.384903	1.29814547	41.74802
1620	495211.06	3858751.99	3.44615	0.78973	1.45878	1.48667	11.87654	2.59024	0.80567	0.78973	35.3606266	0.355414561	3.701E-05	0.077012	5.476871	0.35835	1.390997	1.30853448	41.71077
1621	495261.06	3858751.99	3.44272	0.79213	1.46571	1.48272	11.88495	2.71993	0.80877	0.79213	35.3254317	0.35649467	3.718E-05	0.076807	5.480749	0.37629	1.39635	1.31251113	41.69965
1622	495311.06	3858751.99	3.43956	0.79556	1.47232	1.48415	11.88586	2.8421	0.8113	0.79556	35.2930073	0.358038327	3.735E-05	0.076881	5.481169	0.39319	1.400718	1.31819443	41.68485
1623	495361.06	3858751.99	3.43586	0.79829	1.4787	1.48508	11.87871	2.96058	0.81334	0.79829	35.2550419	0.359266952	3.751E-05	0.076929	5.477871	0.40958	1.40424	1.32271788	41.66025
1624	495411.06	3858751.99	3.43343	0.8052	1.48469	1.48782	11.86716	3.07382	0.81456	0.8052	35.2301079	0.362376767	3.766E-05	0.077071	5.472545	0.42525	1.406346	1.33416732	41.63957
1625	495461.06	3858751.99	3.42995	0.80182	1.4905	1.48905	11.84707	3.19296	0.81525	0.80182	35.1943999	0.360855613	3.781E-05	0.077135	5.463281	0.44173	1.407537	1.32856687	41.61641
1626	495511.06	3858751.99	3.42585	0.80253	1.49608	1.48233	11.81901	3.32352	0.81715	0.80253	35.1523302	0.361175145	3.795E-05	0.076787	5.450341	0.45979	1.410818	1.3297433	41.58154
1627	495561.06	3858751.99	3.42149	0.80253	1.50141	1.47139	11.78394	3.47246	0.81621	0.80253	35.1075927	0.361175145	3.809E-05	0.07622	5.434168	0.4804	1.409195	1.3297433	41.53904
1628	495611.06	3858751.99	3.41711	0.80337	1.50648	1.46138	11.74295	3.65126	0.81347	0.80337	35.0626499	0.361553184	3.822E-05	0.075702	5.415266	0.50513	1.404464	1.33113513	41.49367
1629	495661.06	3858751.99	3.41314	0.8006	1.51127	1.44807	11.69604	3.92527	0.81165	0.8006	35.0219141	0.360306557	3.834E-05	0.075012	5.393633	0.54304	1.401322	1.3265454	41.46872
1630	494311.06	3858801.99	3.49849	1.58226	1.44768	2.04066	9.53611	2.41504	1.59235	1.58226	35.8976825	0.712089249	3.672E-05	0.105709	4.397581	0.33411	2.749208	2.62170838	41.57471
1631	494361.06	3858801.99	3.51362	1.60496	1.47204	2.03328	9.73802	2.35984	1.61527	1.60496	36.0529301	0.722305286	3.734E-05	0.105327	4.490691	0.32647	2.78878	2.6593209	41.82722
1632	494411.06	3858801.99	3.51644	1.55063	1.48623	2.0102	9.91101	2.5207	1.56048	1.55063	36.0818658	0.697854305	3.77E-05	0.104131	4.570466	0.34873	2.694185	2.5692994	41.92797
1633	494461.06	3858801.99	3.51655	1.4846	1.49525	1.98728	10.07433	2.58646	1.49388	1.4846	36.0829945	0.66813779	3.793E-05	0.102944	4.645781	0.35782	2.579199	2.45989172	41.97703
1634	494511.06	3858801.99	3.51299	1.4165	1.49818	1.96423	10.22617	2.63134	1.42518	1.4165	36.0464657	0.63748968	3.801E-05	0.10175	4.715802	0.36403	2.460588	2.34705417	41.97911
1635	494561.06	3858801.99	3.50902	1.33614	1.49922	1.94226	10.37097	2.70741	1.34416	1.33614	36.0057299	0.601324011	3.803E-05	0.100612	4.782577	0.37456	2.320706	2.21390254	41.97164
1636	494611.06	3858801.99	3.50327	1.25082	1.50752	1.92078	10.50699	2.76073	1.25816	1.25082	35.9467297	0.562926115	3.824E-05	0.099499	4.845302	0.38193	2.172226	2.0725325	41.93612
1637	494661.06	3858801.99	3.49488	1.15843	1.51672	1.89947	10.63252	2.7656	1.16504	1.15843	35.8606407	0.521346396	3.848E-05	0.098395	4.90319	0.38261	2.011453	1.91944791	41.85822
1638	494711.06	3858801.99	3.48566	1.06332	1.52565	1.87716	10.74939	2.82254	1.06923	1.06332	35.7660351	0.478542553	3.87E-05	0.09724	4.957085	0.39048	1.846036	1.76185643	41.77361
1639	494761.06	3858801.99	3.47619	0.96577	1.53432	1.85385	10.85813	2.95235	0.97099	0.96577	35.6688643	0.434640599	3.892E-05	0.096032	5.007231	0.40844	1.676424	1.60022203	41.69145
1640	494811.06	3858801.99	3.46692	0.86986	1.54265	1.8335	10.95969	2.79069	0.87445	0.86986	35.5737457	0.39147672	3.913E-05	0.094978	5.054065	0.38608	1.509747	1.441305	41.56882
1641	494861.06	3858801.99	3.46087	0.7913	1.55033	1.81593	11.05859	2.79101	0.79542	0.7913	35.5116672	0.356121132	3.933E-05	0.094068	5.099673	0.38612	1.373301	1.31113587	41.50986
1642	494911.06	3858801.99	3.45295	0.73249	1.55784	1.78159	11.14763	2.8275	0.76204	0.73249	35.4304008	0.329653947	3.952E-05	0.092289	5.140734	0.39117	1.31567	1.21369129	41.48627
1643	494961.06	3858801.99	3.44646	0.74106	1.56486	1.75982	11.23241	2.10127	0.76875	0.74106	35.3638075	0.333510838	3.97E-05	0.091161	5.17983	0.2907	1.327255	1.22789125	41.35841
1644	495011.06	3858801.99	3.43964	0.74896	1.57157	1.72245	11.30897	2.23109	0.77659	0.74896	35.2938281	0.337066199	3.987E-05	0.089225	5.215136	0.30866	1.340791	1.24098107	41.34376
1645	495061.06	3858801.99	3.43436	0.75803	1.57782	1.7031	11.37973	2.35709	0.78075	0.75803	35.2396505	0.341148113	4.003E-05	0.088223	5.247767	0.32609	1.347973	1.25600951	41.33488
1646	495111.06	3858801.99	3.42648	0.76463	1.58399	1.67097	11.43943	2.47628	0.78752	0.76463	35.1587946	0.344118415	4.018E-05	0.086559	5.275297	0.34258	1.359661	1.26694531	41.30011
1647	495161.06	3858801.99	3.42009	0.77086	1.5897	1.60115	11.49425	2.59212	0.79086	0.77086	35.0932274	0.346922199	4.033E-05	0.082942	5.300578	0.35861	1.365428	1.27726804	41.27048
1648	495211.06	3858801.99	3.41546	0.77523	1.59494	1.5783	11.54391	2.70223	0.79547	0.77523	35.0457194	0.348888899	4.046E-05	0.081758	5.323478	0.37384	1.373387	1.28450886	41.2626

1649	495261.06	3858801.99	3.41189	0.78054	1.59978	1.57091	11.5878	2.80746	0.79962	0.78054	35.0090879	0.351278641	4.058E-05	0.081375	5.343718	0.3884	1.380552	1.29330721	41.26114
1650	495311.06	3858801.99	3.40869	0.78524	1.60429	1.57312	11.62557	2.91055	0.80324	0.78524	34.976253	0.353393856	4.07E-05	0.08149	5.361136	0.40266	1.386802	1.30109482	41.26068
1651	495361.06	3858801.99	3.40484	0.79078	1.60856	1.56211	11.65471	3.01728	0.80627	0.79078	34.9367485	0.355887109	4.081E-05	0.080919	5.374574	0.41743	1.392033	1.31027426	41.24735
1652	495411.06	3858801.99	3.40273	0.79601	1.61239	1.58123	11.6791	3.12815	0.80881	0.79601	34.915098	0.358240847	4.09E-05	0.08191	5.385821	0.43276	1.396419	1.31894005	41.25135
1653	495461.06	3858801.99	3.39877	0.79542	1.61612	1.57126	11.69357	3.25614	0.81221	0.79542	34.8744648	0.357975321	4.1E-05	0.081393	5.392494	0.45047	1.402289	1.31796246	41.24117
1654	495511.06	3858801.99	3.39416	0.79922	1.61965	1.54944	11.70019	3.4068	0.81188	0.79922	34.8271621	0.359685494	4.109E-05	0.080263	5.395547	0.47131	1.401719	1.32425883	41.21147
1655	495561.06	3858801.99	3.38993	0.7988	1.62287	1.5398	11.69999	3.60221	0.81251	0.7988	34.7837584	0.359496475	4.117E-05	0.079764	5.395455	0.49835	1.402807	1.32356291	41.19611
1656	495611.06	3858801.99	3.38483	0.79948	1.62593	1.51395	11.69221	3.90178	0.81416	0.79948	34.7314278	0.359802506	4.125E-05	0.078425	5.391867	0.53979	1.405655	1.32468963	41.18232
1657	495661.06	3858801.99	3.38106	0.80131	1.62861	1.51002	11.67975	4.21673	0.8136	0.80131	34.6927442	0.360626089	4.131E-05	0.078221	5.386121	0.58336	1.404689	1.32772183	41.17808
1658	494311.06	3858851.99	3.48535	1.81041	1.63154	2.22405	8.58286	3.2238	1.82299	1.81041	35.7628542	0.814767167	4.139E-05	0.115209	3.957989	0.446	3.147411	2.99973903	41.24453
1659	494361.06	3858851.99	3.49504	1.78071	1.63955	2.19752	8.79114	3.13947	1.79306	1.78071	35.8622824	0.801400811	4.159E-05	0.113835	4.054037	0.43433	3.095736	2.95052794	41.41114
1660	494411.06	3858851.99	3.49137	1.71222	1.64791	2.16642	8.97523	3.02036	1.72383	1.71222	35.8246249	0.770577184	4.18E-05	0.112224	4.138931	0.41785	2.97621	2.83704418	41.40342
1661	494461.06	3858851.99	3.48953	1.64457	1.65572	2.13714	9.15692	2.87798	1.65553	1.64457	35.8057448	0.740131595	4.2E-05	0.110707	4.222717	0.39815	2.858289	2.72495226	41.41083
1662	494511.06	3858851.99	3.48418	1.57681	1.6633	2.10783	9.32858	2.83786	1.58708	1.57681	35.750849	0.7096365	4.219E-05	0.109189	4.301878	0.3926	2.74011	2.61267807	41.39163
1663	494561.06	3858851.99	3.47927	1.4976	1.67043	2.07988	9.49593	2.92536	1.50713	1.4976	35.7004679	0.673988384	4.238E-05	0.107741	4.379052	0.40471	2.602075	2.48143192	41.38664
1664	494611.06	3858851.99	3.47233	1.41193	1.67727	2.05218	9.65406	2.99612	1.42068	1.41193	35.6292572	0.635432972	4.255E-05	0.106306	4.451973	0.4145	2.452818	2.33948195	41.35085
1665	494661.06	3858851.99	3.46405	1.32164	1.6838	2.02469	9.80514	3.10366	1.3296	1.32164	35.5442969	0.594798349	4.271E-05	0.104882	4.521644	0.42938	2.295568	2.18987693	41.30073
1666	494711.06	3858851.99	3.45289	1.22235	1.69012	1.99789	9.94734	3.03434	1.22947	1.22235	35.4297852	0.550113315	4.287E-05	0.103493	4.587219	0.41979	2.122692	2.02535945	41.18777
1667	494761.06	3858851.99	3.44232	1.12334	1.69606	1.97055	10.08372	3.31629	1.12968	1.12334	35.3213274	0.505554294	4.303E-05	0.102077	4.650111	0.45879	1.950404	1.86130591	41.127
1668	494811.06	3858851.99	3.43396	1.02989	1.70157	1.94342	10.21555	3.13509	1.03555	1.02989	35.2355462	0.463497527	4.317E-05	0.100672	4.710905	0.43372	1.787888	1.70646496	41.02581
1669	494861.06	3858851.99	3.42765	0.94641	1.70655	1.9199	10.34489	3.43693	0.95152	0.94641	35.1707999	0.425927715	4.329E-05	0.099454	4.77055	0.47548	1.642809	1.56814369	41.01692
1670	494911.06	3858851.99	3.41991	0.85944	1.71132	1.89753	10.4647	3.0308	0.86399	0.85944	35.0913804	0.386787244	4.341E-05	0.098295	4.8258	0.4193	1.491687	1.4240397	40.88925
1671	494961.06	3858851.99	3.41293	0.77872	1.71569	1.87599	10.57844	2.44745	0.78279	0.77872	35.0197593	0.350459558	4.352E-05	0.097179	4.878251	0.33859	1.351495	1.29029158	40.74549
1672	495011.06	3858851.99	3.40677	0.73002	1.71965	1.83897	10.68743	2.39677	0.76016	0.73002	34.9565521	0.328542334	4.362E-05	0.095261	4.928512	0.33158	1.312424	1.20959865	40.74332
1673	495061.06	3858851.99	3.39992	0.73849	1.72334	1.81216	10.78904	2.49438	0.76847	0.73849	34.8862649	0.332354221	4.372E-05	0.093872	4.97537	0.34509	1.326771	1.22363292	40.73613
1674	495111.06	3858851.99	3.3897	0.74593	1.72704	1.75054	10.8781	2.58435	0.77239	0.74593	34.7813984	0.335702561	4.381E-05	0.09068	5.01644	0.35753	1.333539	1.23596055	40.67938
1675	495161.06	3858851.99	3.38314	0.75312	1.7301	1.7177	10.96557	2.67856	0.77796	0.75312	34.7140869	0.338938389	4.389E-05	0.088979	5.056777	0.37057	1.343156	1.24787394	40.66467
1676	495211.06	3858851.99	3.38048	0.76194	1.73247	1.71739	11.05274	2.7724	0.78364	0.76194	34.6867928	0.342907792	4.395E-05	0.088963	5.096975	0.38355	1.352962	1.26248814	40.68971
1677	495261.06	3858851.99	3.37664	0.76674	1.73467	1.70721	11.13063	2.86841	0.78873	0.76674	34.647391	0.345068011	4.4E-05	0.088436	5.132894	0.39683	1.36175	1.27044145	40.70197
1678	495311.06	3858851.99	3.3736	0.77267	1.73652	1.70281	11.20245	2.97001	0.79337	0.77267	34.6161978	0.347736782	4.405E-05	0.088208	5.166014	0.41089	1.369761	1.2802671	40.71858
1679	495361.06	3858851.99	3.36999	0.77792	1.73814	1.69458	11.26645	3.08292	0.79917	0.77792	34.5791559	0.350099521	4.409E-05	0.087782	5.195527	0.42651	1.379775	1.28896603	40.72992
1680	495411.06	3858851.99	3.36642	0.78255	1.7395	1.68643	11.32314	3.21262	0.80096	0.78255	34.5425245	0.352183233	4.413E-05	0.087359	5.22167	0.44445	1.382866	1.29663765	40.73446
1681	495461.06	3858851.99	3.36307	0.78658	1.74058	1.67959	11.37279	3.36531	0.80397	0.78658	34.5081504	0.353996917	4.415E-05	0.087005	5.244566	0.46557	1.388062	1.30331512	40.74408
1682	495511.06	3858851.99	3.3605	0.79005	1.74134	1.67604	11.41737	3.54412	0.8065	0.79005	34.4817799	0.355558575	4.417E-05	0.086821	5.265124	0.49031	1.39243	1.3090647	40.76301
1683	495561.06	3858851.99	3.35273	0.79418	1.74239	1.64301	11.44675	3.87072	0.80794	0.79418	34.4020527	0.357417264	4.42E-05	0.08511	5.278673	0.5355	1.394917	1.31590786	40.7378
1684	495611.06	3858851.99	3.34727	0.79438	1.74297	1.59683	11.47224	4.22279	0.80913	0.79438	34.3460281	0.357507273	4.422E-05	0.082718	5.290428	0.5842	1.396971	1.31623924	40.74166
1685	495661.06	3858851.99	3.34394	0.79758	1.74311	1.59375	11.49411	4.56827	0.80976	0.79758	34.3118593	0.358947419	4.422E-05	0.082558	5.300513	0.632	1.398059	1.32154145	40.76244
1686	494311.06	3858901.99	3.4562	1.94359	1.82368	2.40458	8.13797	4.01051	1.95801	1.94359	35.4637488	0.874704248	4.626E-05	0.124561	3.752828	0.55483	3.380524	3.22041017	40.93084
1687	494361.06	3858901.99	3.49248	1.9038	1.8284	2.37276	9.2111	3.90835	1.91784	1.9038	35.8360145	0.856796932	4.638E-05	0.122912	4.247702	0.5407	3.31117	3.15448057	41.76086
1688	494411.06	3858901.99	3.47814	1.84584	1.83315	2.33863	9.28843	3.80723	1.8592	1.84584	35.6888731	0.830712285	4.65E-05	0.121144	4.283363	0.52671	3.209928	3.05844438	41.60233
1689	494461.06	3858901.99	3.45779	1.79152	1.83758	2.30474	9.74582	3.7105	1.80421	1.79152	35.4800636	0.806265805	4.662E-05	0.119389	4.494288	0.51333	3.114987	2.96843945	41.55993
1690	494511.06	3858901.99	3.45274	1.724	1.84154	2.27197	9.61984	3.58772	1.73598	1.724	35.428246	0.775878721	4.672E-05	0.117691	4.436193	0.49634	2.997187	2.85656292	41.39502
1691	494561.06	3858901.99	3.44555	1.64828	1.8453	2.23877	9.06602	3.50089	1.65942	1.64828	35.3544701	0.741801264	4.681E-05	0.115971	4.180798	0.48433	2.865005	2.7310995	41.01132
1692	494611.06	3858901.99	3.43467	1.56176	1.8489	2.20512	8.72768	3.43163	1.57197	1.56176	35.2428314	0.702863313	4.69E-05	0.114228	4.024773	0.47475	2.714022	2.58774113	40.68577
1693	494661.06	3858901.99	3.4275	1.47881	1.85189	2.1739	8.89929	3.57097	1.48822	1.47881	35.1692607	0.665532026	4.698E-05	0.112611	4.103911	0.49403	2.569427	2.45029804	40.66452
1694	494711.06	3858901.99	3.41698	1.38564	1.85471	2.14191	9.06122	3.38391	1.39417	1.38564	35.061316	0.623601271	4.705E-05	0.110954	4.178585	0.46815	2.407049	2.29592103	40.55378
1695	494761.06	3858901.99	3.40495	1.28539	1.85729	2.11081	9.21718	3.66114	1.29303	1.28539	34.9378772	0.578484194	4.712E-05	0.109343	4.250506	0.5065	2.232429	2.12981289	40.48537
1696	494811.06	3858901.99	3.39687	1.19548	1.8593	2.08227	9.37355	4.35584	1.2024	1.19548	34.8549691	0.538020588	4.717E-05	0.107864	4.322616	0.60261	2.075956	1.9808375	40.52124
1697	494861.06	3858901.99	3.39027	1.11046	1.86088	2.05477	9.52632	4.33422	1.11675	1.11046	34.7872471	0.499757706	4.721E-05	0.10644	4.393066	0.59962	1.92808	1.83996454	40.47429
1698	494911.06	3858901.99	3.37975	1.01045	1.86253	2.02002	9.66691	3.22903	1.016	1.01045	34.6793024	0.454748639	4.725E-05	0.10464	4.457899	0.44672	1.754134	1.67425406	40.22324
1699	494961.06	3858901.99	3.37303	0.92644	1.86357	1.99376	9.80801	2.89089	0.93143	0.92644	34.6103491	0.416940303	4.727E-05	0.10328	4.522967	0.39994	1.608123	1.53505461	40.12659
1700	495011.06	3858901.99	3.36645	0.84564	1.86429	1.96909	9.94288	2.74955	0.85013	0.84564	34.5428323	0.380576614	4.729E-05	0.102002	4.585163	0.38039	1.467758	1.40117394	40.05759
1701	495061.06	3858901.99	3.3582	0.76112	1.8649	1.93933	10.06913	2.58557	0.76509	0.76112	34.4581798	0.342538754	4.731E-05	0.10046	4.643383	0.3577	1.320936	1.26112945	39.96212
1702	495111.06	3858901.99	3.34771	0.72708	1.86544	1.87089	10.18579	2.65763	0.75924	0.72708	34.3505429	0.3272192	4.732E-05	0.096915	4.697181	0.36767	1.310836	1.20472725	39.94568
1703	495161.06	3858901.99	3.34256	0.73554	1.86519	1.83437	10.30486	2.74457	0.766	0.73554	34.2976992	0.331026586	4.732E-05	0.095023	4.75209	0.3797	1.322507	1.21874495	39.95935
1704	495211.06	3858901.99	3.34105	0.74381	1.86432	1.84216	10.42328	2.84004	0.77082	0.74381	34.2822053	0.334748464	4.729E-05	0.095426	4.806699	0.39291	1.330829	1.23244784	40.01041
1705	495261.06	3858901.99	3.33766	0.75137	1.86338	1.82806	10.53262	2.94224	0.77675	0.75137	34.2474208	0.338150809	4.727E-05	0.094696	4.857121	0.40704	1.341067	1.24497429	40.04057
1706	495311.06	3858901.99	3.33363	0.76012	1.86227	1.8127	10.6339	3.05695	0.78218	0.76012	34.2060693	0.342088709	4.724E-05	0.0939	4.903827	0.42291	1.350442	1.25947251	40.05982
1707	495361.06	3858901.99	3.32987	0.7647	1.8609	1.79681	10.72894	3.20843	0.78717	0.7647	34.1674883	0.344149918	4.721E-05	0.093077	4.947655	0.44387	1.359057	1.26706129	40.08828

1708	495411.06	3858901.99	3.32716	0.77056	1.8592	1.78933	10.81973	3.37518	0.79173	0.77056	34.1396812	0.346787185	4.716E-05	0.09269	4.989522	0.46694	1.36693	1.27677096	40.12583
1709	495461.06	3858901.99	3.32276	0.77571	1.85746	1.7737	10.90001	3.58737	0.79741	0.77571	34.0945333	0.349104921	4.712E-05	0.09188	5.026544	0.4963	1.376736	1.28530419	40.14984
1710	495511.06	3858901.99	3.31738	0.78018	1.85561	1.7457	10.97192	3.8561	0.79923	0.78018	34.0393296	0.351116625	4.707E-05	0.09043	5.059705	0.53347	1.379879	1.29271071	40.16127
1711	495561.06	3858901.99	3.31249	0.78587	1.85351	1.72367	11.03835	4.16746	0.80192	0.78587	33.9891537	0.353677384	4.702E-05	0.089289	5.090339	0.57655	1.384523	1.30213869	40.18144
1712	495611.06	3858901.99	3.30681	0.78698	1.85131	1.70303	11.09726	4.56922	0.80554	0.78698	33.9308718	0.354176935	4.696E-05	0.088219	5.117505	0.63213	1.390773	1.30397789	40.20974
1713	495661.06	3858901.99	3.3037	0.79151	1.84866	1.6954	11.15166	4.96943	0.8056	0.79151	33.8989604	0.356215642	4.69E-05	0.087824	5.142592	0.6875	1.390877	1.31148383	40.25253
1714	494311.06	3858951.99	3.67703	2.03801	2.01226	2.57821	10.85486	4.54202	2.05427	2.03801	37.729665	0.91719756	5.105E-05	0.133555	5.005723	0.62837	3.546718	3.37685836	44.58442
1715	494361.06	3858951.99	3.67665	1.99238	2.013	2.54504	11.40541	4.4381	2.00808	1.99238	37.7257658	0.896661976	5.107E-05	0.131837	5.259609	0.61399	3.46697	3.30125223	44.79363
1716	494411.06	3858951.99	3.63178	1.94371	2.01361	2.5096	11.08684	4.49849	1.95831	1.94371	37.2653589	0.874758254	5.108E-05	0.130001	5.1127	0.62234	3.381042	3.220609	44.16565
1717	494461.06	3858951.99	3.60911	1.89836	2.01374	2.47511	11.6284	4.46142	1.9125	1.89836	37.0327441	0.854348683	5.108E-05	0.128214	5.362441	0.61722	3.301951	3.14546682	44.1515
1718	494511.06	3858951.99	3.57095	1.83895	2.01356	2.44042	11.36484	4.41816	1.85248	1.83895	36.6411879	0.82761147	5.108E-05	0.126417	5.2409	0.61123	3.198325	3.04702807	43.5987
1719	494561.06	3858951.99	3.51919	1.77442	2.01312	2.40532	10.83195	4.40496	1.78713	1.77442	36.1100833	0.798570024	5.107E-05	0.124599	4.995158	0.6094	3.085498	2.94010579	42.78326
1720	494611.06	3858951.99	3.44968	1.70246	2.01247	2.3698	10.02588	4.43159	1.71428	1.70246	35.3968476	0.766184738	5.105E-05	0.122759	4.623438	0.61309	2.959722	2.82087246	41.66122
1721	494661.06	3858951.99	3.38613	1.62448	2.0115	2.33515	9.29693	4.42408	1.63542	1.62448	34.744767	0.731090177	5.103E-05	0.120964	4.287283	0.61205	2.823569	2.69166435	40.62811
1722	494711.06	3858951.99	3.37405	1.53571	2.0104	2.30012	8.27175	4.41971	1.54569	1.53571	34.6208152	0.691139624	5.1E-05	0.119149	3.81452	0.61145	2.668649	2.54457787	39.98119
1723	494761.06	3858951.99	3.36452	1.44712	2.00887	2.26647	8.29428	4.29599	1.45623	1.44712	34.5230288	0.651270079	5.096E-05	0.117406	3.82491	0.59433	2.514196	2.39778964	39.8274
1724	494811.06	3858951.99	3.35713	1.36149	2.00692	2.23407	8.46734	6.05375	1.36984	1.36149	34.4472006	0.612732668	5.091E-05	0.115728	3.904717	0.83751	2.365043	2.25590595	40.02707
1725	494861.06	3858951.99	3.34964	1.2749	2.00471	2.20294	8.63653	5.53801	1.28252	1.2749	34.3703465	0.573763215	5.086E-05	0.114115	3.982739	0.76616	2.214284	2.1124316	39.90902
1726	494911.06	3858951.99	3.33973	1.1813	2.0024	2.17188	8.79798	3.79356	1.18815	1.1813	34.2686609	0.531638941	5.08E-05	0.112506	4.057192	0.52482	2.051353	1.9573421	39.58888
1727	494961.06	3858951.99	3.33346	1.09886	1.99961	2.14272	8.95999	3.88164	1.10511	1.09886	34.204325	0.494537176	5.073E-05	0.110996	4.131903	0.53701	1.907984	1.82074405	39.56606
1728	495011.06	3858951.99	3.32118	0.99397	1.99716	2.10207	9.10735	3.56016	0.99943	0.99397	34.078321	0.447331887	5.066E-05	0.10889	4.199858	0.49253	1.725526	1.64694771	39.40556
1729	495061.06	3858951.99	3.3102	0.89251	1.99445	2.06908	9.25044	2.80592	0.89728	0.89251	33.9656563	0.401670254	5.059E-05	0.107181	4.265844	0.38819	1.549163	1.47883467	39.19892
1730	495111.06	3858951.99	3.30133	0.80269	1.99132	2.00009	9.39212	2.73777	0.80689	0.80269	33.874642	0.361247153	5.052E-05	0.103607	4.33118	0.37876	1.393104	1.33000841	39.11258
1731	495161.06	3858951.99	3.30096	0.75375	1.98712	2.0171	9.5438	2.93107	0.75771	0.75375	33.8708455	0.339221918	5.041E-05	0.104489	4.401127	0.4055	1.308194	1.24891781	39.18051
1732	495211.06	3858951.99	3.29769	0.72508	1.98301	1.99527	9.68411	3.4116	0.75636	0.72508	33.8372923	0.326319109	5.03E-05	0.103358	4.465831	0.47198	1.305863	1.20141337	39.30928
1733	495261.06	3858951.99	3.2943	0.7336	1.97873	1.97452	9.81887	3.63382	0.76298	0.7336	33.8025078	0.330153498	5.02E-05	0.102283	4.527975	0.50272	1.317293	1.21553049	39.36745
1734	495311.06	3858951.99	3.28846	0.74145	1.97452	1.93656	9.94442	3.41104	0.76906	0.74145	33.7425841	0.333686356	5.009E-05	0.100317	4.585873	0.4719	1.32779	1.22853746	39.33366
1735	495361.06	3858951.99	3.28549	0.74894	1.96984	1.93064	10.06756	4.10015	0.77488	0.74894	33.7121092	0.337057198	4.997E-05	0.10001	4.642659	0.56724	1.337838	1.24094793	39.45601
1736	495411.06	3858951.99	3.28302	0.7559	1.96496	1.91383	10.18528	4.59774	0.78214	0.7559	33.6867648	0.340189516	4.985E-05	0.099139	4.696946	0.63607	1.350373	1.25248023	39.55706
1737	495461.06	3858951.99	3.27895	0.7622	1.96008	1.89506	10.29531	4.66776	0.78517	0.7622	33.6450029	0.343024804	4.972E-05	0.098167	4.747686	0.64576	1.355604	1.26291894	39.57238
1738	495511.06	3858951.99	3.27585	0.76984	1.95496	1.87816	10.40056	4.94742	0.7896	0.76984	33.6131941	0.346463153	4.959E-05	0.097291	4.796222	0.68445	1.363252	1.27557796	39.62535
1739	495561.06	3858951.99	3.26866	0.77481	1.95011	1.83612	10.49177	4.58108	0.79329	0.77481	33.5394182	0.348699879	4.947E-05	0.095114	4.838284	0.63377	1.369623	1.28381295	39.54114
1740	495611.06	3858951.99	3.26332	0.77914	1.94495	1.81605	10.58057	5.0196	0.79655	0.77914	33.4846249	0.350648577	4.934E-05	0.094074	4.879234	0.69444	1.375252	1.29098749	39.58733
1741	495661.06	3858951.99	3.26043	0.78131	1.93942	1.80494	10.66722	5.5049	0.80124	0.78131	33.4549709	0.351625176	4.92E-05	0.093498	4.919192	0.76158	1.383349	1.29458305	39.66968
1742	494311.06	3859001.99	3.85696	2.06951	2.18623	2.71945	12.92636	5.5088	2.08749	2.06951	39.5759101	0.931373998	5.546E-05	0.140871	5.960996	0.76212	3.604073	3.42905194	47.54634
1743	494361.06	3859001.99	3.82534	2.03641	2.18219	2.69002	13.04304	5.52897	2.05372	2.03641	39.2514602	0.916477487	5.536E-05	0.139347	6.014803	0.76491	3.545768	3.37420725	47.25861
1744	494411.06	3859001.99	3.78789	2.00915	2.17791	2.65896	13.42285	5.5486	2.02582	2.00915	38.8671892	0.904209242	5.525E-05	0.137738	6.189952	0.76762	3.497599	3.32903909	47.03532
1745	494461.06	3859001.99	3.74968	1.9671	2.17331	2.62733	13.28627	5.49756	1.98254	1.9671	38.4751199	0.885284822	5.513E-05	0.136099	6.126968	0.76056	3.422875	3.25936481	46.5476
1746	494511.06	3859001.99	3.71143	1.92044	2.16843	2.59548	13.10894	5.40364	1.93548	1.92044	38.0826402	0.864285691	5.501E-05	0.134449	6.045192	0.74757	3.341626	3.18205203	46.03376
1747	494561.06	3859001.99	3.6493	1.8733	2.16345	2.56148	12.35602	5.39691	1.88781	1.8733	37.44513	0.843070539	5.488E-05	0.132688	5.697983	0.74664	3.259323	3.10394392	45.02094
1748	494611.06	3859001.99	3.58778	1.81662	2.15823	2.52752	11.66101	5.41429	1.82967	1.81662	36.813879	0.817561951	5.475E-05	0.130929	5.377479	0.74904	3.158944	3.01002862	44.03786
1749	494661.06	3859001.99	3.51377	1.75077	2.15286	2.49286	10.78704	5.48214	1.76322	1.75077	36.0544692	0.787926444	5.461E-05	0.129134	4.974447	0.75843	3.044217	2.90091918	42.84776
1750	494711.06	3859001.99	3.42452	1.67446	2.14741	2.45776	9.77151	5.67448	1.68595	1.67446	35.1386832	0.753583459	5.448E-05	0.127315	4.506135	0.78504	2.91081	2.77447816	41.44714
1751	494761.06	3859001.99	3.36139	1.59646	2.14156	2.42416	9.17	5.73526	1.60711	1.59646	34.4909121	0.718479898	5.433E-05	0.125575	4.228749	0.79345	2.774692	2.64523692	40.48667
1752	494811.06	3859001.99	3.31702	1.51925	2.13539	2.39165	8.8116	8.16289	1.52914	1.51925	34.0356356	0.683731872	5.417E-05	0.123891	4.063473	1.1293	2.640076	2.51730465	40.15885
1753	494861.06	3859001.99	3.30466	1.43381	2.1292	2.35849	8.15898	7.23292	1.44287	1.43381	33.9088108	0.645279971	5.401E-05	0.122173	3.762517	1.00064	2.49113	2.37573578	39.55487
1754	494911.06	3859001.99	3.29544	1.34477	2.12287	2.32492	7.88184	5.52905	1.35302	1.34477	33.8142053	0.605207905	5.385E-05	0.120434	3.634713	0.76492	2.336003	2.22820193	39.04733
1755	494961.06	3859001.99	3.28604	1.25365	2.1164	2.29235	8.05218	6.32036	1.26112	1.25365	33.7177527	0.564199744	5.369E-05	0.118747	3.713266	0.87439	2.177336	2.07722164	39.08852
1756	495011.06	3859001.99	3.26677	1.12517	2.11064	2.24165	8.20417	4.77193	1.13155	1.12517	33.520025	0.506377878	5.354E-05	0.116121	3.783356	0.66017	1.953633	1.86433811	38.6754
1757	495061.06	3859001.99	3.2611	1.04369	2.10369	2.21096	8.37308	4.38342	1.04949	1.04369	33.4618457	0.469708157	5.337E-05	0.114531	3.861249	0.60642	1.811955	1.72933072	38.59644
1758	495111.06	3859001.99	3.25242	0.95023	2.09692	2.17668	8.53146	3.81659	0.95538	0.95023	33.372781	0.427646889	5.319E-05	0.112755	3.934286	0.52801	1.649473	1.57447319	38.45053
1759	495161.06	3859001.99	3.25396	0.90404	2.08898	2.15639	8.70359	4.50633	0.90895	0.90404	33.3885828	0.40685928	5.299E-05	0.111704	4.013664	0.62343	1.569311	1.49793918	38.61566
1760	495211.06	3859001.99	3.24989	0.83525	2.0815	2.1299	8.86229	4.62991	0.83975	0.83525	33.3468209	0.375900639	5.28E-05	0.110332	4.086848	0.64053	1.449837	1.38395834	38.62636
1761	495261.06	3859001.99	3.247	0.77363	2.0738	2.10471	9.0175	5.5466	0.77779	0.77363	33.3171669	0.348168826	5.261E-05	0.109027	4.158423	0.76734	1.342862	1.28185776	38.76119
1762	495311.06	3859001.99	3.24265	0.72308	2.06613	2.07961	9.16504	5.86166	0.755	0.72308	33.2725319	0.325419017	5.241E-05	0.107727	4.226461	0.81093	1.303515	1.19809949	38.84854
1763	495361.06	3859001.99	3.23965	0.73327	2.05824	2.05594	9.31135	6.15294	0.76153	0.73327	33.2417492	0.330004983	5.221E-05	0.106501	4.293932	0.85123	1.314789	1.2149837	38.92327
1764	495411.06	3859001.99	3.23597	0.7394	2.05032	2.03273	9.45095	6.37061	0.7676	0.7394	33.2039891	0.332763763	5.201E-05	0.105298	4.358309	0.88134	1.325269	1.22514073	38.98188
1765	495461.06	3859001.99	3.23265	0.74678	2.04229	2.01048	9.58468	6.53241	0.7733	0.74678	33.1699229	0.3360851	5.181E-05	0.104146	4.419979	0.90373	1.33511	1.23736894	39.03165
1766	495511.06	3859001.99	3.22648	0.75338	2.03448	1.98653	9.70957	6.16951	0.77829	0.75338	33.1066131	0.339055401	5.161E-05	0.102905	4.477572	0.85352	1.343726	1.24830474	38.97514

1767	495561.06	3859001.99	3.22184	0.75956	2.02644	1.96473	9.83113	5.99576	0.783	0.75956
1768	495611.06	3859001.99	3.21699	0.76513	2.01836	1.94353	9.94577	5.74248	0.78721	0.76513
1769	495661.06	3859001.99	3.21585	0.77037	2.00986	1.92672	10.06053	6.48197	0.79313	0.77037
1770	494311.06	3859051.99	3.99676	2.06275	2.33341	2.80978	14.30753	5.89743	2.08184	2.06275
1771	494361.06	3859051.99	3.9621	2.05037	2.32424	2.78921	14.90209	6.25437	2.06917	2.05037
1772	494411.06	3859051.99	3.91925	2.02946	2.31493	2.76602	14.74952	6.64042	2.0472	2.02946
1773	494461.06	3859051.99	3.87355	2.00609	2.30547	2.74138	14.46527	7.01942	2.02315	2.00609
1774	494511.06	3859051.99	3.8216	1.97836	2.2959	2.7149	13.97703	7.38467	1.99469	1.97836
1775	494561.06	3859051.99	3.77257	1.94163	2.28617	2.68761	13.57628	7.63109	1.95723	1.94163
1776	494611.06	3859051.99	3.71339	1.90175	2.27638	2.6586	12.91767	7.8341	1.91588	1.90175
1777	494661.06	3859051.99	3.64803	1.85307	2.26652	2.62862	12.17095	7.96052	1.86685	1.85307
1778	494711.06	3859051.99	3.58276	1.79444	2.25656	2.59802	11.47733	8.02371	1.80752	1.79444
1779	494761.06	3859051.99	3.51279	1.72763	2.24655	2.56676	10.74826	8.12119	1.73984	1.72763
1780	494811.06	3859051.99	3.45642	1.65611	2.23637	2.53585	10.25288	9.82939	1.66751	1.65611
1781	494861.06	3859051.99	3.39819	1.58021	2.22614	2.50459	9.73193	9.81472	1.59079	1.58021
1782	494911.06	3859051.99	3.31338	1.49505	2.21601	2.47219	8.88558	8.22953	1.50473	1.49505
1783	494961.06	3859051.99	3.23101	1.39488	2.20608	2.43756	7.66869	8.04332	1.40356	1.39488
1784	495011.06	3859051.99	3.21957	1.29754	2.19595	2.40475	7.29093	7.61412	1.30534	1.29754
1785	495061.06	3859051.99	3.21132	1.20759	2.18559	2.3704	7.46467	7.11203	1.21466	1.20759
1786	495111.06	3859051.99	3.20596	1.12691	2.175	2.32921	7.64054	6.82936	1.13337	1.12691
1787	495161.06	3859051.99	3.20588	1.06582	2.16394	2.31454	7.82066	7.78123	1.07189	1.06582
1788	495211.06	3859051.99	3.19991	0.98608	2.15333	2.27699	7.98833	7.78745	0.99159	0.98608
1789	495261.06	3859051.99	3.19844	0.92323	2.14233	2.25705	8.16061	8.36946	0.92837	0.92323
1790	495311.06	3859051.99	3.1937	0.85191	2.13159	2.22691	8.32363	8.09673	0.8566	0.85191
1791	495361.06	3859051.99	3.1904	0.78758	2.12072	2.19981	8.48397	8.46719	0.79191	0.78758
1792	495411.06	3859051.99	3.18809	0.72888	2.10977	2.17525	8.643	8.96621	0.75372	0.72888
1793	495461.06	3859051.99	3.18571	0.72944	2.09884	2.14976	8.79696	8.96131	0.7601	0.72944
1794	495511.06	3859051.99	3.17906	0.73708	2.08823	2.11632	8.93968	8.38854	0.76587	0.73708
1795	495561.06	3859051.99	3.17372	0.74426	2.07755	2.08869	9.08006	8.92131	0.77131	0.74426
1796	495611.06	3859051.99	3.16882	0.75093	2.06685	2.06278	9.21667	9.2945	0.77636	0.75093
1797	495661.06	3859051.99	3.16771	0.7572	2.05581	2.04304	9.35327	10.08816	0.78118	0.7572
1798	494311.06	3859101.99	4.10659	2.05088	2.44985	2.83803	15.88913	5.46447	2.07188	2.05088
1799	494361.06	3859101.99	4.06797	2.04505	2.43576	2.82902	15.67479	5.76822	2.06494	2.04505
1800	494411.06	3859101.99	4.03097	2.03121	2.42164	2.81797	15.58677	6.15171	2.05046	2.03121
1801	494461.06	3859101.99	3.98849	2.01588	2.40753	2.80364	15.40197	6.79576	2.0341	2.01588
1802	494511.06	3859101.99	3.93805	2.00035	2.38649	2.78611	14.9034	7.60853	2.01808	2.00035
1803	494561.06	3859101.99	3.89067	1.97753	2.37241	2.7672	14.54193	8.49802	1.99436	1.97753
1804	494611.06	3859101.99	3.82842	1.95869	2.35842	2.74617	13.75614	9.65636	1.97496	1.95869
1805	494661.06	3859101.99	3.77749	1.92163	2.34438	2.72471	13.34442	10.8313	1.93717	1.92163
1806	494711.06	3859101.99	3.7008	1.88543	2.33052	2.70038	12.36499	12.19949	1.89991	1.88543
1807	494761.06	3859101.99	3.66305	1.83045	2.31645	2.67715	12.25495	12.4627	1.84437	1.83045
1808	494811.06	3859101.99	3.60102	1.77268	2.30257	2.65148	11.65283	12.61468	1.7856	1.77268
1809	494861.06	3859101.99	3.54206	1.70726	2.28872	2.62507	11.12247	13.6334	1.71935	1.70726
1810	494911.06	3859101.99	3.4603	1.63334	2.27508	2.59687	10.27116	13.33611	1.64453	1.63334
1811	494961.06	3859101.99	3.33258	1.54306	2.26179	2.56655	8.92657	14.67379	1.5532	1.54306
1812	495011.06	3859101.99	3.17875	1.43988	2.24864	2.53461	7.59763	14.46002	1.44895	1.43988
1813	495061.06	3859101.99	3.1701	1.36946	2.23469	2.50741	7.66141	14.38406	1.37793	1.36946
1814	495111.06	3859101.99	3.15571	1.28786	2.22105	2.47868	7.33654	14.02268	1.29564	1.28786
1815	495161.06	3859101.99	3.15629	1.22386	2.20705	2.45183	7.60093	13.92636	1.23118	1.22386
1816	495211.06	3859101.99	3.15084	1.14402	2.19351	2.42288	7.27789	13.43081	1.15072	1.14402
1817	495261.06	3859101.99	3.14897	1.07483	2.17981	2.39508	7.27355	13.21732	1.08106	1.07483
1818	495311.06	3859101.99	3.14772	1.00424	2.16614	2.36764	7.45099	14.16287	1.01002	1.00424
1819	495361.06	3859101.99	3.14424	0.93812	2.15269	2.33958	7.62195	14.9197	0.94347	0.93812
1820	495411.06	3859101.99	3.14151	0.87194	2.13927	2.31203	7.7903	15.53494	0.87688	0.87194
1821	495461.06	3859101.99	3.13913	0.8044	2.12591	2.28495	7.9572	16.00042	0.80897	0.8044
1822	495511.06	3859101.99	3.13555	0.74167	2.1127	2.25774	8.11856	16.35885	0.75347	0.74167
1823	495561.06	3859101.99	3.12766	0.72901	2.09983	2.22954	8.27003	16.3212	0.75834	0.72901
1824	495611.06	3859101.99	3.12191	0.73468	2.08693	2.20247	8.42182	16.38019	0.76404	0.73468
1825	495661.06	3859101.99	3.11998	0.74605	2.07386	2.17727	8.57428	16.97847	0.77157	0.74605

33.0590025	0.341836683	5.141E-05	0.101776	4.533629	0.82948	1.351857	1.25854463	38.95909
33.0092371	0.344343437	5.12E-05	0.100678	4.586495	0.79444	1.359126	1.26777378	38.9266
32.9975396	0.346701677	5.099E-05	0.099807	4.639417	0.89675	1.369347	1.27645614	39.07316
41.010385	0.928331689	5.919E-05	0.145551	6.597923	0.81588	3.594318	3.41785103	49.6746
40.6547419	0.922760124	5.896E-05	0.144485	6.872104	0.86526	3.572443	3.39733812	49.63452
40.215062	0.913349669	5.872E-05	0.143284	6.801746	0.91867	3.534512	3.36269153	49.16399
39.7461385	0.902832102	5.848E-05	0.142007	6.670664	0.9711	3.492989	3.32396886	48.60182
39.2130844	0.890352336	5.824E-05	0.140636	6.445512	1.02163	3.443853	3.27802194	47.87711
38.7099921	0.873822159	5.8E-05	0.139222	6.260706	1.05572	3.379177	3.21716257	47.20154
38.1027516	0.855874338	5.775E-05	0.137719	5.956988	1.08381	3.307786	3.15108384	46.2939
37.4320987	0.833966115	5.75E-05	0.136166	5.612638	1.1013	3.223135	3.07042405	45.26894
36.7623692	0.807579938	5.724E-05	0.134581	5.292775	1.11004	3.120702	2.97327771	44.25483
36.0444135	0.777512387	5.699E-05	0.132962	4.956564	1.12353	3.003851	2.86257761	43.17631
35.4660062	0.745325121	5.673E-05	0.131361	4.728119	1.35985	2.878973	2.74407333	42.56562
34.8685135	0.711166656	5.647E-05	0.129741	4.487883	1.35782	2.746515	2.61831166	41.68338
33.9982859	0.672840767	5.622E-05	0.128063	4.097588	1.13852	2.597932	2.47720673	40.15607
33.153095	0.627759693	5.596E-05	0.126269	3.536419	1.11275	2.423261	2.31123114	38.66838
33.0357102	0.583952248	5.571E-05	0.124569	3.362215	1.05338	2.253683	2.1499447	38.26362
32.9510577	0.543470641	5.544E-05	0.12279	3.442335	0.98391	2.097123	2.00090303	38.13984
32.8960593	0.507160957	5.518E-05	0.120656	3.523438	0.94481	1.956775	1.86722119	38.08173
32.8952384	0.479667668	5.489E-05	0.119896	3.6065	1.0765	1.850629	1.76599878	38.26248
32.8339808	0.443781026	5.463E-05	0.117951	3.683821	1.07736	1.71199	1.63387446	38.23506
32.8188972	0.415495657	5.435E-05	0.116918	3.763268	1.15787	1.60284	1.52973584	38.34561
32.7702605	0.3833984	5.407E-05	0.115357	3.838445	1.12014	1.478929	1.41156295	38.29502
32.7363995	0.354446963	5.38E-05	0.113953	3.912386	1.17139	1.367241	1.30497206	38.3509
32.7126968	0.328029282	5.352E-05	0.112681	3.985723	1.24043	1.301305	1.20770974	38.47321
32.6882759	0.328281308	5.324E-05	0.111361	4.056721	1.23975	1.31232	1.20863762	38.52813
32.6200408	0.331719657	5.297E-05	0.109628	4.122537	1.16051	1.322282	1.22129664	38.44548
32.5652476	0.334950984	5.27E-05	0.108197	4.187273	1.23422	1.331675	1.23319346	38.52842
32.5149691	0.337952789	5.243E-05	0.106855	4.250271	1.28585	1.340393	1.24424524	38.5921
32.5035795	0.340774575	5.215E-05	0.105832	4.313264	1.39565	1.348715	1.25463425	38.75323
42.1373404	0.922989647	6.215E-05	0.147014	7.327278	0.75598	3.577122	3.39818316	51.46961
41.7410642	0.920365881	6.179E-05	0.146547	7.228435	0.79801	3.56514	3.38852321	51.0111
41.3614106	0.914137249	6.143E-05	0.145975	7.187845	0.85106	3.54014	3.36559117	50.63504
40.9255273	0.907238049	6.107E-05	0.145232	7.102624	0.94016	3.511894	3.34019029	50.19255
40.4079671	0.90024884	6.054E-05	0.144324	6.872708	1.0526	3.484236	3.31445803	49.54769
39.9218053	0.889978798	6.018E-05	0.143345	6.706016	1.17566	3.443283	3.27664668	49.0035
39.2830638	0.881499938	5.983E-05	0.142255	6.343649	1.33591	3.409788	3.24542995	48.1508
38.7604758	0.864821246	5.947E-05	0.141144	6.153784	1.49846	3.344544	3.18402379	47.57926
37.9735668	0.848529593	5.912E-05	0.139883	5.70212	1.68774	3.280214	3.1240426	46.50807
37.5862175	0.823786082	5.876E-05	0.13868	5.651375	1.72415	3.184324	3.03294409	46.07565
36.9497334	0.797786944	5.841E-05	0.13735	5.373707	1.74518	3.082857	2.93722272	45.14945
36.3447503	0.768344957	5.806E-05	0.135982	5.129131	1.88611	2.968475	2.82882576	44.40403
35.5058185	0.735077582	5.771E-05	0.134521	4.736549	1.84499	2.839298	2.70634483	43.08996
34.1952954	0.694447459	5.738E-05	0.132951	4.116491	2.03005	2.681616	2.55675637	41.29415
32.61686	0.648011748	5.704E-05	0.131296	3.50365	2.00047	2.501627	2.3857934	39.01618
32.5281031	0.616319532	5.669E-05	0.129887	3.533062	1.98996	2.37901	2.26911175	38.90729
32.3804486	0.579595806	5.634E-05	0.128399	3.383248	1.93997	2.236936	2.13390553	38.51475
32.3864	0.550792884	5.599E-05	0.127008	3.505172	1.92664	2.125645	2.02786143	38.59386
32.330478	0.514861238	5.564E-05	0.125509	3.356202	1.85809	1.98673	1.89557141	38.27635
32.3112901	0.483722579	5.53E-05	0.124068	3.3542	1.82855	1.866461	1.7809278	38.18742
32.298464	0.451953856	5.495E-05	0.122647	3.436027	1.95936	1.74381	1.66396447	38.34836
32.262756	0.422196837	5.461E-05	0.121194	3.514865	2.06407	1.628911	1.55440766	38.45964
32.2347438	0.392412815	5.427E-05	0.119766	3.5925	2.14918	1.513942	1.44475144	38.55785
32.2103228	0.362016731	5.393E-05	0.118364	3.669466	2.21358	1.396695	1.33284177	38.63766
32.1735887	0.333785366	5.359E-05	0.116954	3.743877	2.26317	1.300874	1.22890199	38.7034
32.0926302	0.328087788	5.327E-05	0.115493	3.813727	2.25796	1.309282	1.20792514	38.70931
32.03363	0.330639547	5.294E-05	0.114091	3.883725	2.26612	1.319123	1.21731998	38.73006
32.0138264	0.335756566	5.261E-05	0.112786	3.954032	2.34889	1.332123	1.23615938	38.86131

1826	494311.06	3859151.99	4.18614	2.00138	2.55731	2.80121	16.63648	5.31731	2.02499	2.00138	42.9535956	0.900712387	6.487E-05	0.145107	7.671919	0.73562	3.496166	3.31616468	52.58702
1827	494361.06	3859151.99	4.15244	2.00131	2.54559	2.8052	16.64759	5.70936	2.02389	2.00131	42.6078031	0.900680884	6.458E-05	0.145313	7.677042	0.78986	3.494267	3.31604869	52.29898
1828	494411.06	3859151.99	4.11536	2.0099	2.48289	2.80545	16.34404	6.21323	2.03048	2.0099	42.2273286	0.904546776	6.299E-05	0.145326	7.53706	0.85957	3.505644	3.3302818	51.84926
1829	494461.06	3859151.99	4.07635	2.01186	2.45815	2.80322	15.98306	6.81278	2.03181	2.01186	41.8270506	0.905428866	6.236E-05	0.145211	7.370594	0.94251	3.507941	3.3335294	51.36527
1830	494511.06	3859151.99	4.03201	2.01357	2.44027	2.79795	15.42894	7.57328	2.03261	2.01357	41.372082	0.906198444	6.19E-05	0.144938	7.115061	1.04773	3.509322	3.33636277	50.75903
1831	494561.06	3859151.99	3.99157	1.99683	2.42247	2.79122	15.09341	8.43466	2.01502	1.99683	40.9571309	0.898664679	6.145E-05	0.144589	6.960331	1.16689	3.478952	3.30862561	50.298
1832	494611.06	3859151.99	3.94087	1.98233	2.39794	2.7805	14.46999	9.62112	1.99983	1.98233	40.4369028	0.892139017	6.083E-05	0.144034	6.672841	1.33103	3.452727	3.28459999	49.64514
1833	494661.06	3859151.99	3.89642	1.95743	2.38045	2.76904	14.23453	11.05555	1.97404	1.95743	39.9808055	0.88093288	6.039E-05	0.14344	6.564259	1.52948	3.4082	3.24334221	49.26384
1834	494711.06	3859151.99	3.85363	1.92644	2.3631	2.75635	14.04879	12.95132	1.94236	1.92644	39.5417413	0.866985965	5.995E-05	0.142783	6.478605	1.79175	3.353504	3.19199367	48.98344
1835	494761.06	3859151.99	3.78905	1.89941	2.34602	2.74023	13.24305	16.13369	1.91475	1.89941	38.8790918	0.854821231	5.951E-05	0.141948	6.107037	2.23202	3.305835	3.1472066	48.3736
1836	494811.06	3859151.99	3.72645	1.86072	2.32908	2.72286	12.58705	21.57415	1.87457	1.86072	38.236759	0.837408964	5.908E-05	0.141048	5.804523	2.98468	3.236464	3.08309963	48.15784
1837	494861.06	3859151.99	3.67608	1.80866	2.31221	2.7048	12.23873	25.20529	1.82222	1.80866	37.7199171	0.813979587	5.866E-05	0.140112	5.643895	3.48703	3.146081	2.99683938	47.95423
1838	494911.06	3859151.99	3.59443	1.75037	2.29569	2.68371	11.32286	26.40014	1.76303	1.75037	36.882114	0.787746426	5.824E-05	0.13902	5.221541	3.65233	3.043889	2.90025641	46.82644
1839	494961.06	3859151.99	3.48852	1.67209	2.27948	2.66094	9.87773	27.13932	1.68373	1.67209	35.7953813	0.752516851	5.783E-05	0.13784	4.555119	3.75459	2.906977	2.77055122	45.13193
1840	495011.06	3859151.99	3.35118	1.5889	2.26367	2.63582	8.82413	29.01415	1.5995	1.5889	34.3861482	0.715077553	5.742E-05	0.136539	4.069251	4.01397	2.761553	2.63271046	43.44988
1841	495061.06	3859151.99	3.32658	1.51848	2.24726	2.61373	8.82794	29.72068	1.52841	1.51848	34.1337299	0.683385337	5.701E-05	0.135395	4.071008	4.11171	2.638815	2.51602881	43.25807
1842	495111.06	3859151.99	3.29116	1.44391	2.23106	2.59024	8.69087	31.02556	1.45314	1.44391	33.7702886	0.649825432	5.66E-05	0.134178	4.007798	4.29223	2.508861	2.39247087	42.97077
1843	495161.06	3859151.99	3.30084	1.37881	2.21473	2.56762	9.03862	30.79949	1.38753	1.37881	33.8696142	0.620527459	5.618E-05	0.133006	4.168163	4.26096	2.395585	2.28460413	43.16331
1844	495211.06	3859151.99	3.27011	1.30387	2.19881	2.54284	8.90561	31.13074	1.31197	1.30387	33.5542965	0.586801037	5.578E-05	0.131723	4.106825	4.30679	2.26513	2.16043312	42.79118
1845	495261.06	3859151.99	3.241	1.22924	2.18303	2.51752	8.76913	29.39883	1.23674	1.22924	33.2556015	0.55321413	5.538E-05	0.130411	4.043887	4.06718	2.135244	2.03677576	42.14882
1846	495311.06	3859151.99	3.21708	1.15643	2.16737	2.49191	8.67127	29.12458	1.16338	1.15643	33.0101605	0.520446305	5.498E-05	0.129084	3.998759	4.02924	2.008587	1.91613403	41.7802
1847	495361.06	3859151.99	3.19005	1.08381	2.15188	2.46583	8.51743	29.61772	1.09024	1.08381	32.7328082	0.487763989	5.459E-05	0.127733	3.927816	4.09747	1.88231	1.79580711	41.46015
1848	495411.06	3859151.99	3.19258	1.02061	2.13634	2.44064	8.69555	28.06548	1.02664	1.02061	32.7587683	0.459321103	5.419E-05	0.126429	4.009956	3.88272	1.772504	1.69108856	41.31867
1849	495461.06	3859151.99	3.16763	0.95191	2.12114	2.41424	8.52681	28.77677	0.9575	0.95191	32.5027587	0.428402966	5.381E-05	0.125061	3.932141	3.98113	1.653133	1.57725685	41.04542
1850	495511.06	3859151.99	3.11746	0.87823	2.10625	2.38674	8.04327	29.79416	0.88332	0.87823	31.9879689	0.395243602	5.343E-05	0.123636	3.709157	4.12188	1.525061	1.45517358	40.40782
1851	495561.06	3859151.99	3.08178	0.80995	2.09144	2.35958	7.68554	29.69145	0.81461	0.80995	31.6218597	0.364514484	5.306E-05	0.12223	3.54419	4.10767	1.406432	1.34203778	39.82491
1852	495611.06	3859151.99	3.07775	0.74551	2.07675	2.33259	7.58874	29.33872	0.75076	0.74551	31.5805083	0.335513542	5.268E-05	0.120831	3.49955	4.05887	1.296195	1.23526463	39.65625
1853	495661.06	3859151.99	3.07418	0.72489	2.06218	2.30593	7.75025	28.90194	0.75678	0.72489	31.5438769	0.3262336	5.231E-05	0.11945	3.574031	3.99844	1.306588	1.20109855	39.66758
1854	494311.06	3859201.99	4.23629	1.92545	4.4228	2.70949	16.78908	5.89667	1.95438	1.92545	43.4681802	0.86654042	0.0001122	0.140355	7.74229	0.81578	3.374257	3.1903533	53.21716
1855	494361.06	3859201.99	4.20627	1.93841	4.38541	2.72415	16.83087	6.47548	1.965	1.93841	43.1601477	0.872373012	0.0001112	0.141115	7.761562	0.89585	3.392592	3.21182723	53.01192
1856	494411.06	3859201.99	4.17639	1.95315	2.68465	2.73601	16.7379	7.1529	1.97776	1.95315	42.8535518	0.879006685	6.81E-05	0.141729	7.718689	0.98957	3.414623	3.23625051	52.76099
1857	494461.06	3859201.99	4.14495	1.98087	2.58186	2.74473	16.43207	7.9548	2.00265	1.98087	42.5309489	0.891481951	6.55E-05	0.142181	7.577655	1.10051	3.457596	3.28218086	52.41825
1858	494511.06	3859201.99	4.11132	1.98553	2.5154	2.75201	16.25265	8.85206	2.00668	1.98553	42.1858745	0.893579163	6.381E-05	0.142558	7.494915	1.22464	3.464553	3.28990219	52.11628
1859	494561.06	3859201.99	4.07274	1.99543	2.41864	2.75586	15.77441	9.91038	2.01535	1.99543	41.7900087	0.898034616	6.136E-05	0.142757	7.274375	1.37105	3.479522	3.30630589	51.64951
1860	494611.06	3859201.99	4.03279	1.99308	2.39842	2.75796	15.38628	11.56385	2.01178	1.99308	41.3800855	0.896977008	6.084E-05	0.142866	7.095389	1.5998	3.473359	3.30241208	51.28613
1861	494661.06	3859201.99	3.99323	1.9774	2.37844	2.75828	15.06398	13.69936	1.99539	1.9774	40.974164	0.889920292	6.034E-05	0.142883	6.94676	1.89524	3.445061	3.27643128	51.01766
1862	494711.06	3859201.99	3.95205	1.95585	2.3587	2.75559	14.70178	16.01162	1.97303	1.95585	40.5516198	0.880221808	5.984E-05	0.142743	6.779731	2.21513	3.406456	3.24072424	50.73524
1863	494761.06	3859201.99	3.89863	1.93917	2.33239	2.74941	14.00836	18.05791	1.95557	1.93917	40.0034821	0.872715047	5.917E-05	0.142423	6.45996	2.49822	3.376311	3.2130865	50.14009
1864	494811.06	3859201.99	3.8455	1.91495	2.31322	2.74251	13.40197	19.25527	1.93097	1.91495	39.4583201	0.861814941	5.868E-05	0.142066	6.180323	2.66387	3.333839	3.17295544	49.46734
1865	494861.06	3859201.99	3.78835	1.87585	2.2943	2.73374	12.61681	15.79743	1.8906	1.87585	38.8719092	0.844218155	5.82E-05	0.141612	5.818246	2.1855	3.26414	3.10816912	48.01751
1866	494911.06	3859201.99	3.70218	1.84489	2.27582	2.72162	11.73092	15.244	1.85875	1.84489	37.9877268	0.830284742	5.773E-05	0.140984	5.409718	2.10893	3.209151	3.05687029	46.62998
1867	494961.06	3859201.99	3.60584	1.78822	2.25764	2.70782	10.71015	15.42765	1.80128	1.78822	36.999191	0.804780654	5.727E-05	0.140269	4.93899	2.13434	3.109928	2.96297155	45.16458
1868	495011.06	3859201.99	3.46608	1.71047	2.23998	2.69144	9.27641	16.6293	1.72244	1.71047	35.5651265	0.769789604	5.682E-05	0.13942	4.27782	2.30058	2.97381	2.83414454	43.19246
1869	495061.06	3859201.99	3.4946	1.65589	2.22149	2.67916	10.07506	15.25612	1.66737	1.65589	35.8577676	0.745226111	5.635E-05	0.138784	4.646118	2.11061	2.878731	2.74370881	43.63358
1870	495111.06	3859201.99	3.475	1.58976	2.20351	2.66387	10.22462	14.49033	1.60058	1.58976	35.6566538	0.715464592	5.59E-05	0.137992	4.715087	2.00467	2.763418	2.63413543	43.3592
1871	495161.06	3859201.99	3.44932	1.5206	2.18581	2.64698	10.26683	13.72812	1.53076	1.5206	35.3931537	0.684339434	5.545E-05	0.137117	4.734552	1.89922	2.642873	2.51954152	42.97177
1872	495211.06	3859201.99	3.40701	1.44664	2.16843	2.62815	10.04672	13.10248	1.45609	1.44664	34.9590147	0.651054057	5.501E-05	0.136142	4.633049	1.81266	2.513954	2.39699431	42.30894
1873	495261.06	3859201.99	3.3895	1.37645	2.15111	2.60912	10.15154	13.14019	1.38531	1.37645	34.7793462	0.619465352	5.457E-05	0.135156	4.681386	1.81788	2.391752	2.28069376	42.14435
1874	495311.06	3859201.99	3.36336	1.30415	2.13406	2.58876	10.11191	13.2589	1.31241	1.30415	34.5111261	0.58692705	5.414E-05	0.134101	4.663111	1.8343	2.265889	2.16089706	41.83462
1875	495361.06	3859201.99	3.34138	1.23284	2.11719	2.56767	10.10472	13.06791	1.24054	1.23284	34.2855914	0.554834294	5.371E-05	0.133009	4.659795	1.80788	2.141805	2.04274074	41.54023
1876	495411.06	3859201.99	3.33314	1.1655	2.10043	2.54634	10.28112	12.46552	1.17272	1.1655	34.2010415	0.524528219	5.328E-05	0.131904	4.741142	1.72454	2.024713	1.93116246	41.41676
1877	495461.06	3859201.99	3.30096	1.09344	2.08405	2.52329	10.07192	11.98548	1.10013	1.09344	33.8708455	0.492097929	5.287E-05	0.13071	4.64467	1.65813	1.899386	1.81176344	40.88413
1878	495511.06	3859201.99	3.26937	1.02276	2.06787	2.49967	9.85152	12.97124	1.02894	1.02276	33.5467034	0.460288701	5.246E-05	0.129486	4.543032	1.79451	1.776475	1.69465098	40.55589
1879	495561.06	3859201.99	3.21768	0.9481	2.05203	2.47461	9.32524	15.22418	0.95373	0.9481	33.0163171	0.426688292	5.206E-05	0.128188	4.300338	2.10619	1.646625	1.57094391	40.05345
1880	495611.06	3859201.99	3.1769	0.87818	2.03631	2.44966	8.94691	18.56373	0.88335	0.87818	32.5978773	0.3952211	5.166E-05	0.126896	4.125871	2.5682	1.525113	1.45509074	39.88414
1881	495661.06	3859201.99	3.14556	0.81318	2.02072	2.42484	8.68307	12.95856	0.81795	0.81318	32.2763004	0.365968132	5.126E-05	0.12561	4.004201	1.79275	1.412199	1.3473897	38.62969
1882	494311.06	3859251.99	4.22892	1.85652	4.35012	2.93031	16.39353	6.93502	1.89338	1.85652	43.3925573	0.835518773	0.0001104	0.151794	7.559882	0.95943	3.26894	3.07614049	53.09209
1883	494361.06	3859251.99	4.20021	1.87693	4.30877	2.8253	16.46758	7.67048	1.90974	1.87693	43.0979666	0.844704205	0.0001093	0.146354	7.59403	1.06117	3.297185	3.10995861	52.93157
1884	494411.06	3859251.99	4.16995	1.90475	4.26722	2.62081	16.37296	8.48978	1.9338	1.90475	42.7874715	0.857224475	0.0001083	0.135762	7.550396	1.17452	3.338725	3.15605466	52.68815

1885	494461.06	3859251.99	4.1902	1.92242	4.22693	2.63964	16.38056	9.35558	1.949	1.92242	42.9952549	0.865176782	0.0001072	0.136737	7.553901	1.2943	3.364968	3.18533277	53.02511
1886	494511.06	3859251.99	4.16453	1.94978	2.39693	2.65533	16.12252	10.26514	1.97314	1.94978	42.7318574	0.877490031	6.08E-05	0.13755	7.434906	1.42013	3.406646	3.23066662	52.77798
1887	494561.06	3859251.99	4.13445	1.96822	2.37485	2.66992	16.00633	11.11207	1.98976	1.96822	42.4232093	0.885788873	6.024E-05	0.138306	7.381325	1.5373	3.435341	3.26122058	52.54011
1888	494611.06	3859251.99	4.10137	1.98015	2.34566	2.68184	15.71952	11.84799	2.00049	1.98015	42.0837785	0.891157918	5.95E-05	0.138923	7.249062	1.63911	3.453866	3.28098786	52.17497
1889	494661.06	3859251.99	4.06855	1.97263	2.32428	2.69348	15.63336	12.3268	1.99227	1.97263	41.7470155	0.887773574	5.896E-05	0.139526	7.20933	1.70535	3.439674	3.26852768	51.8602
1890	494711.06	3859251.99	4.0333	1.96688	2.30324	2.702	15.39593	12.64276	1.98532	1.96688	41.3853185	0.885185812	5.843E-05	0.139967	7.099839	1.74906	3.427675	3.25900028	51.42811
1891	494761.06	3859251.99	3.98027	1.96439	2.28263	2.70529	14.42156	13.24439	1.98202	1.96439	40.8411826	0.884065198	5.791E-05	0.140138	6.650508	1.8323	3.421978	3.2548745	50.51535
1892	494811.06	3859251.99	3.9451	1.943	2.25532	2.71005	14.3905	13.65188	1.95992	1.943	40.4803065	0.874438721	5.721E-05	0.140384	6.636184	1.88867	3.383822	3.21943258	50.18443
1893	494861.06	3859251.99	3.88216	1.92735	2.23536	2.70989	13.36579	13.77398	1.94347	1.92735	39.834485	0.867395507	5.671E-05	0.140376	6.163639	1.90556	3.355421	3.19350148	49.07343
1894	494911.06	3859251.99	3.80269	1.91678	2.21581	2.70779	12.53006	9.74217	1.93193	1.91678	39.0190506	0.862638524	5.621E-05	0.140267	5.778242	1.34778	3.335497	3.17598763	47.30754
1895	494961.06	3859251.99	3.74913	1.8744	2.19639	2.70589	12.06688	9.79232	1.88878	1.8744	38.4694764	0.843565589	5.572E-05	0.140169	5.564646	1.35472	3.260998	3.10576656	46.52786
1896	495011.06	3859251.99	3.68566	1.8252	2.17732	2.70159	11.47224	10.0295	1.83892	1.8252	37.8182166	0.821423342	5.523E-05	0.139946	5.290428	1.38753	3.174914	3.02424516	45.60827
1897	495061.06	3859251.99	3.66658	1.76814	2.15826	2.69754	11.489	10.03246	1.78122	1.76814	37.6224385	0.795743737	5.475E-05	0.139736	5.298156	1.38794	3.075294	2.92970021	45.38967
1898	495111.06	3859251.99	3.62888	1.70822	2.1396	2.6907	11.34996	10.14984	1.72041	1.70822	37.2356023	0.768777001	5.428E-05	0.139382	5.234038	1.40418	2.970305	2.83041643	44.92192
1899	495161.06	3859251.99	3.60008	1.64487	2.12116	2.68254	11.44311	10.16306	1.65639	1.64487	36.9400881	0.740266608	5.381E-05	0.138959	5.276994	1.40601	2.859774	2.72544934	44.6367
1900	495211.06	3859251.99	3.56027	1.57824	2.10306	2.67215	11.32012	10.14586	1.58918	1.57824	36.5316014	0.710280066	5.335E-05	0.138421	5.220277	1.40363	2.743735	2.61504749	44.13295
1901	495261.06	3859251.99	3.54055	1.50608	2.08507	2.66139	11.27748	9.75209	1.51624	1.50608	36.3292563	0.677804771	5.289E-05	0.137864	5.200614	1.34915	2.617804	2.49548277	43.81707
1902	495311.06	3859251.99	3.51266	1.44172	2.06743	2.64826	11.55243	9.16105	1.45127	1.44172	36.0430796	0.648839832	5.245E-05	0.137184	5.327407	1.26739	2.505632	2.38884217	43.54074
1903	495361.06	3859251.99	3.48159	1.37113	2.05005	2.63377	11.49861	9.70178	1.38005	1.37113	35.7242732	0.617071109	5.201E-05	0.136433	5.302588	1.34219	2.38267	2.27187884	43.2334
1904	495411.06	3859251.99	3.46546	1.30194	2.03282	2.61888	11.69697	10.17156	1.3102	1.30194	35.5587648	0.585932449	5.157E-05	0.135662	5.394062	1.40719	2.262074	2.15723523	43.1865
1905	495461.06	3859251.99	3.43372	1.23103	2.01593	2.60186	11.56466	10.30948	1.23895	1.23103	35.2330836	0.554019711	5.114E-05	0.13478	5.333047	1.42627	2.13906	2.03974168	42.78057
1906	495511.06	3859251.99	3.38438	1.15704	1.99939	2.58279	11.08642	12.7752	1.16432	1.15704	34.7268104	0.520720833	5.072E-05	0.133792	5.112507	1.76739	2.01021	1.91714476	42.35433
1907	495561.06	3859251.99	3.34856	1.0858	1.983	2.5635	10.83748	14.05871	1.09253	1.0858	34.3592647	0.48865958	5.03E-05	0.132793	4.997708	1.94495	1.886264	1.79910442	42.01059
1908	495611.06	3859251.99	3.3026	1.01317	1.96691	2.54272	10.40375	11.14782	1.01935	1.01317	33.8876734	0.455972763	4.99E-05	0.131716	4.797693	1.54225	1.759918	1.67876094	40.89651
1909	495661.06	3859251.99	3.26674	0.94412	1.95098	2.52174	10.12167	8.47679	0.94981	0.94412	33.5197172	0.424897111	4.949E-05	0.13063	4.667612	1.17272	1.639857	1.5643493	39.99113
1910	494311.06	3859301.99	4.25678	1.86302	4.17892	3.21609	15.49619	7.54987	1.89616	1.86302	43.6784261	0.838444069	0.000106	0.166598	7.146074	1.04449	3.273739	3.08691059	53.06096
1911	494361.06	3859301.99	4.23078	1.84455	4.13647	3.09964	15.67919	7.96145	1.87374	1.84455	43.4116426	0.830131726	0.0001049	0.160566	7.230464	1.10143	3.235031	3.05630693	52.91306
1912	494411.06	3859301.99	4.20397	1.84419	4.09433	2.94582	15.7373	8.32725	1.88128	1.84419	43.1365476	0.82996971	0.0001039	0.152598	7.257262	1.15203	3.248049	3.05571043	52.72085
1913	494461.06	3859301.99	4.17588	1.86797	4.05277	2.81777	15.745	8.62237	1.90029	1.86797	42.8483187	0.840671795	0.0001028	0.145964	7.260812	1.19286	3.28087	3.09511244	52.47449
1914	494511.06	3859301.99	4.14772	1.894	4.01188	2.52619	15.74615	8.82777	1.92281	1.894	42.5593716	0.852386484	0.0001018	0.13086	7.261343	1.22128	3.319751	3.13824256	52.20685
1915	494561.06	3859301.99	4.17321	1.91135	3.97199	2.54819	15.77957	8.94383	1.93782	1.91135	42.8209221	0.860194776	0.0001008	0.132	7.276754	1.23734	3.345666	3.16699046	52.50598
1916	494611.06	3859301.99	4.14843	1.92778	2.25695	2.56843	15.73128	9.57048	1.95193	1.92778	42.5666568	0.867589026	5.725E-05	0.133048	7.254485	1.32403	3.370027	3.19421396	52.32168
1917	494661.06	3859301.99	4.12138	1.94595	2.23531	2.58668	15.6432	10.37234	1.96835	1.94595	42.2890993	0.875766356	5.67E-05	0.133994	7.213867	1.43496	3.398376	3.22432055	52.1218
1918	494711.06	3859301.99	4.09164	1.95976	2.20662	2.60363	15.42142	10.8924	1.98038	1.95976	41.9839399	0.881981487	5.598E-05	0.134872	7.111593	1.50691	3.419146	3.24720287	51.7913
1919	494761.06	3859301.99	4.05883	1.96081	2.18576	2.61838	15.2075	11.41379	1.98	1.96081	41.6472795	0.882454035	5.545E-05	0.135636	7.012944	1.57904	3.41849	3.24894266	51.42696
1920	494811.06	3859301.99	4.01899	1.96364	2.16529	2.63093	14.72973	12.11618	1.98183	1.96364	41.2384849	0.883727664	5.493E-05	0.136286	6.79262	1.67621	3.42165	3.2536318	50.89541
1921	494861.06	3859301.99	3.96215	1.96539	2.13838	2.63843	13.89437	16.02723	1.98294	1.96539	40.655255	0.884515244	5.425E-05	0.136674	6.407394	2.21729	3.423566	3.25653144	50.46822
1922	494911.06	3859301.99	3.91606	1.94985	2.11859	2.6478	13.5251	8.55149	1.96651	1.94985	40.1823297	0.877521534	5.374E-05	0.13716	6.237105	1.18306	3.395199	3.23078261	48.78164
1923	494961.06	3859301.99	3.83998	1.93434	2.09928	2.65359	12.53265	8.57065	1.95014	1.93434	39.4016799	0.870541326	5.325E-05	0.13746	5.779436	1.18571	3.366936	3.20508348	47.53673
1924	495011.06	3859301.99	3.79414	1.89611	2.08013	2.65972	12.22963	8.56651	1.91148	1.89611	38.9313199	0.85333608	5.277E-05	0.137777	5.639698	1.18513	3.30019	3.1417387	46.90577
1925	495061.06	3859301.99	3.80155	1.8313	2.06097	2.66722	12.7544	8.26344	1.8458	1.8313	39.0073532	0.824168621	5.228E-05	0.138166	5.881696	1.14321	3.186792	3.03435248	47.14708
1926	495111.06	3859301.99	3.74445	1.79428	2.0425	2.66854	12.26491	8.13312	1.80784	1.79428	38.4214554	0.807507931	5.181E-05	0.138234	5.655968	1.12518	3.121254	2.9730126	46.29664
1927	495161.06	3859301.99	3.71288	1.74259	2.02418	2.66958	12.20697	7.71321	1.75531	1.74259	38.0975185	0.78424507	5.135E-05	0.138288	5.629249	1.06708	3.030561	2.88736542	45.85963
1928	495211.06	3859301.99	3.69705	1.67948	2.00605	2.66982	12.35262	7.72224	1.69175	1.67948	37.9350884	0.755842689	5.089E-05	0.1383	5.696415	1.06833	2.920824	2.782796	45.73206
1929	495261.06	3859301.99	3.67211	1.6166	1.98826	2.66774	12.58674	8.12908	1.62837	1.6166	37.6791813	0.727543817	5.044E-05	0.138193	5.80438	1.12462	2.811397	2.67860767	45.60676
1930	495311.06	3859301.99	3.62821	1.55622	1.97085	2.66259	12.33944	8.54533	1.5668	1.55622	37.2287275	0.70037006	5E-05	0.137926	5.690337	1.1822	2.705096	2.57856169	45.06615
1931	495361.06	3859301.99	3.60636	1.48827	1.95359	2.6572	12.58662	8.62947	1.49855	1.48827	37.0045266	0.669789458	4.956E-05	0.137647	5.804324	1.19384	2.587262	2.46597268	44.93147
1932	495411.06	3859301.99	3.57742	1.4211	1.93663	2.64971	12.63866	9.22016	1.43075	1.4211	36.707576	0.63955989	4.913E-05	0.137259	5.828323	1.27556	2.470204	2.35467609	44.70386
1933	495461.06	3859301.99	3.551	1.35292	1.91992	2.64084	12.72309	10.91095	1.36211	1.35292	36.4364828	0.608875777	4.87E-05	0.136799	5.867258	1.50948	2.351697	2.24170598	44.66893
1934	495511.06	3859301.99	3.51033	1.28535	1.90355	2.62951	12.4297	11.44019	1.29375	1.28535	36.0191717	0.578466192	4.829E-05	0.136212	5.731961	1.58269	2.233672	2.12974661	44.15248
1935	495561.06	3859301.99	3.45562	1.21473	1.8875	2.61599	11.8321	9.6675	1.22257	1.21473	35.4577974	0.546683967	4.788E-05	0.135512	5.456377	1.33745	2.110779	2.01273357	43.03192
1936	495611.06	3859301.99	3.42007	1.14482	1.87158	2.60236	11.63481	7.03935	1.15188	1.14482	35.0930222	0.515221275	4.748E-05	0.134806	5.365397	0.97386	1.988732	1.89689696	42.17419
1937	495661.06	3859301.99	3.38428	1.07528	1.85591	2.58746	11.406	6.34919	1.08202	1.07528	34.7257843	0.4839251	4.708E-05	0.134034	5.259881	0.87838	1.868118	1.78167342	41.5685
1938	494311.06	3859351.99	4.26878	1.86068	3.9318	3.36548	16.01259	6.6173	1.90394	1.86068	43.801557	0.837390963	9.974E-05	0.174337	7.384212	0.91547	3.287172	3.08303335	53.31721
1939	494361.06	3859351.99	4.2481	1.85174	3.88089	3.28214	15.33863	6.78523	1.88941	1.85174	43.5893615	0.833367554	9.845E-05	0.170019	7.073415	0.9387	3.262086	3.06822032	52.79883
1940	494411.06	3859351.99	4.22666	1.84697	3.83993	3.18795	14.60028	7.11896	1.87907	1.84697	43.3693676	0.831220837	9.741E-05	0.16514	6.732924	0.98487	3.244233	3.06031672	52.26754
1941	494461.06	3859351.99	4.20185	1.8319	3.80002	3.04735	14.75543	7.39787	1.85999	1.8319	43.1147945	0.824438648	9.64E-05	0.157857	6.804472	1.02346	3.211292	3.03534665	52.10106
1942	494511.06	3859351.99	4.17628	1.83801	3.761	2.93339	14.90041	8.28502	1.87417	1.83801	42.8524231	0.827188427	9.541E-05	0.151954	6.871329	1.14619	3.235774	3.04547055	52.03948
1943	494561.06	3859351.99	4.15067	1.85512	3.72303	2.85582	15.0903	8.92349	1.8877	1.85512	42.5896412	0.834888709	9.445E-05	0.147935	6.958897	1.23452	3.259133	3.07382077	51.95129

1944	494611.06	3859351.99	4.12436	1.87304	3.6854	2.6514	15.20109	9.35207	1.9021	1.87304	42.3196768	0.842953527	9.349E-05	0.137346	7.009988	1.29381	3.283995	3.10351312	51.78435
1945	494661.06	3859351.99	4.15166	1.89433	3.64818	2.47851	15.2452	9.71454	1.92065	1.89433	42.5997995	0.852534999	9.255E-05	0.12839	7.030329	1.34396	3.316022	3.13878935	52.13234
1946	494711.06	3859351.99	4.13119	1.91623	2.22191	2.47685	15.13997	10.12103	1.9403	1.91623	42.3897588	0.862390999	5.637E-05	0.128304	6.981803	1.40019	3.349948	3.17507632	51.93738
1947	494761.06	3859351.99	4.10602	1.94163	2.0618	2.49759	14.80165	10.59726	1.96292	1.94163	42.1314917	0.873822159	5.23E-05	0.129379	6.825786	1.46608	3.389001	3.21716257	51.59845
1948	494811.06	3859351.99	4.06818	1.9798	2.03483	2.51448	14.1812	11.68293	1.99965	1.9798	41.743219	0.891000402	5.162E-05	0.130254	6.539665	1.61628	3.452416	3.28040793	51.09247
1949	494861.06	3859351.99	4.03419	1.97289	2.01551	2.53289	14.07472	15.50513	1.99174	1.97289	41.3944507	0.887890586	5.113E-05	0.131207	6.490562	2.14506	3.438759	3.26895848	51.21902
1950	494911.06	3859351.99	4.00217	1.95561	1.9965	2.55066	14.06571	8.11803	1.97363	1.95561	41.0658965	0.880113797	5.065E-05	0.132128	6.486407	1.12309	3.407492	3.24032658	49.85485
1951	494961.06	3859351.99	3.96304	1.94079	1.97103	2.56562	13.81564	7.05515	1.95815	1.94079	40.6643872	0.873444121	5E-05	0.132903	6.371087	0.97605	3.380766	3.21577074	49.18291
1952	495011.06	3859351.99	3.9266	1.91686	1.9527	2.57973	13.66876	6.69542	1.93332	1.91686	40.2904797	0.862674528	4.954E-05	0.133634	6.303354	0.92628	3.337897	3.17612019	48.67825
1953	495061.06	3859351.99	3.90873	1.86905	1.93457	2.59526	14.02807	6.33455	1.88501	1.86905	40.1071173	0.841157845	4.908E-05	0.134438	6.46905	0.87635	3.254489	3.09690193	48.58575
1954	495111.06	3859351.99	3.87092	1.83647	1.91686	2.60541	13.77785	6.69598	1.85172	1.83647	39.7191524	0.826495357	4.863E-05	0.134964	6.35366	0.92636	3.197013	3.04291886	48.11477
1955	495161.06	3859351.99	3.83952	1.79292	1.8994	2.61525	13.69821	7.04083	1.80731	1.79292	39.3969599	0.806895868	4.818E-05	0.135474	6.316934	0.97406	3.120339	2.97075916	47.77996
1956	495211.06	3859351.99	3.80699	1.74626	1.88224	2.62318	13.56316	7.33622	1.76029	1.74626	39.0631725	0.785896738	4.775E-05	0.135884	6.254656	1.01493	3.039159	2.89344639	47.4003
1957	495261.06	3859351.99	3.77994	1.69024	1.86532	2.62991	13.54016	7.4487	1.70328	1.69024	38.785615	0.76068518	4.732E-05	0.136233	6.24405	1.03049	2.94073	2.80062466	47.09723
1958	495311.06	3859351.99	3.74281	1.64092	1.84873	2.63374	13.23638	7.27649	1.65344	1.64092	38.4046275	0.738488928	4.69E-05	0.136431	6.103961	1.00667	2.854681	2.71890443	46.526
1959	495361.06	3859351.99	3.71121	1.58308	1.83239	2.63642	13.23669	8.35925	1.59494	1.58308	38.0803828	0.712458287	4.648E-05	0.13657	6.104104	1.15646	2.75368	2.62306707	46.32064
1960	495411.06	3859351.99	3.68337	1.52001	1.81628	2.63773	13.41511	9.5408	1.53122	1.52001	37.7947191	0.684073907	4.608E-05	0.136638	6.186383	1.31992	2.643667	2.51856393	46.24689
1961	495461.06	3859351.99	3.6583	1.45376	1.80041	2.6376	13.66034	9.69735	1.46433	1.45376	37.5374782	0.654258382	4.567E-05	0.136631	6.299471	1.34158	2.528181	2.40879171	46.08885
1962	495511.06	3859351.99	3.6154	1.39478	1.78489	2.63405	13.29488	8.44189	1.40455	1.39478	37.0972852	0.627714689	4.528E-05	0.136447	6.130939	1.16789	2.42497	2.31106545	45.27423
1963	495561.06	3859351.99	3.57654	1.33069	1.76958	2.62932	13.05838	6.46726	1.33996	1.33069	36.6985464	0.598871262	4.489E-05	0.136202	6.021877	0.89471	2.313455	2.20487223	44.45884
1964	495611.06	3859351.99	3.54243	1.26444	1.7545	2.62352	12.93477	5.57966	1.27297	1.26444	36.3485468	0.569055737	4.451E-05	0.135902	5.964874	0.77192	2.197796	2.09510001	43.89304
1965	495661.06	3859351.99	3.49587	1.19899	1.7397	2.61526	12.48325	4.74091	1.20673	1.19899	35.870799	0.539600248	4.413E-05	0.135474	5.756655	0.65588	2.083432	1.98665335	43.05523
1966	494311.06	3859401.99	4.26571	1.82367	3.60796	3.61902	17.35432	6.11742	1.88711	1.82367	43.7700561	0.820734773	9.153E-05	0.18747	8.002951	0.84632	3.258115	3.02171004	53.86402
1967	494361.06	3859401.99	4.25158	1.84206	3.56956	3.4502	16.76537	6.71946	1.89186	1.84206	43.6250694	0.829011112	9.055E-05	0.178725	7.731356	0.9296	3.266315	3.05218115	53.50799
1968	494411.06	3859401.99	4.23602	1.85046	3.52222	3.34641	16.08931	7.37668	1.8919	1.85046	43.4654097	0.832791496	8.935E-05	0.173349	7.419591	1.02053	3.266385	3.06609944	53.11204
1969	494461.06	3859401.99	4.21699	1.84201	3.48586	3.33203	15.43573	7.87888	1.87778	1.84201	43.2701446	0.82898861	8.843E-05	0.172604	7.118192	1.09	3.242006	3.0520983	52.66993
1970	494511.06	3859401.99	4.19486	1.82067	3.45076	3.29063	14.83125	8.2307	1.85253	1.82067	43.0430708	0.819384636	8.754E-05	0.170459	6.839436	1.13868	3.198412	3.01673922	52.19279
1971	494561.06	3859401.99	4.17195	1.79872	3.41604	3.13126	14.16009	8.49966	1.84006	1.79872	42.8079934	0.809506133	8.666E-05	0.162204	6.529931	1.17589	3.176882	2.98036941	51.68212
1972	494611.06	3859401.99	4.14804	1.82195	3.38158	2.99419	14.26352	8.75715	1.85892	1.82195	42.5626551	0.819960694	8.578E-05	0.155103	6.577627	1.21151	3.209444	3.0188601	51.51753
1973	494661.06	3859401.99	4.12428	1.83847	3.34823	2.95116	14.49473	9.04148	1.87154	1.83847	42.3188559	0.827395448	8.494E-05	0.152874	6.68425	1.25084	3.231233	3.04623274	51.41931
1974	494711.06	3859401.99	4.0996	1.85308	3.31511	2.86779	14.64631	9.36292	1.88261	1.85308	42.0656167	0.833970616	8.41E-05	0.148556	6.754151	1.29531	3.250345	3.07044062	51.2776
1975	494761.06	3859401.99	4.13001	1.87881	3.28127	2.44679	14.42337	9.72561	1.90481	1.87881	42.3776509	0.84555029	8.324E-05	0.126747	6.651342	1.34549	3.288674	3.11307366	51.52246
1976	494811.06	3859401.99	4.11289	1.91706	2.11605	2.40598	14.38841	10.19124	1.93987	1.91706	42.2019842	0.862764537	5.368E-05	0.124633	6.63522	1.40991	3.349205	3.17645158	51.40732
1977	494861.06	3859401.99	4.08803	1.9472	2.02159	2.40619	14.0958	15.07951	1.96843	1.9472	41.946898	0.876328913	5.128E-05	0.124644	6.500283	2.08618	3.398514	3.22639172	51.7065
1978	494911.06	3859401.99	4.0595	1.94515	1.99929	2.42849	13.98616	7.77559	1.9649	1.94515	41.6541543	0.87540632	5.072E-05	0.125799	6.449723	1.07571	3.39242	3.222995	50.35027
1979	494961.06	3859401.99	4.03061	1.94201	1.97693	2.44993	14.07378	5.74234	1.9604	1.94201	41.3577167	0.873993176	5.015E-05	0.12691	6.490129	0.79442	3.38465	3.21779221	49.81008
1980	495011.06	3859401.99	4.00313	1.92226	1.95505	2.47095	14.19194	5.98746	1.93998	1.92226	41.0757469	0.865104774	4.96E-05	0.127999	6.544618	0.82834	3.349395	3.18506766	49.60618
1981	495061.06	3859401.99	3.97744	1.88618	1.93376	2.49151	14.31002	6.24208	1.90333	1.88618	40.8121442	0.848867127	4.906E-05	0.129064	6.599071	0.86356	3.286119	3.1252853	49.41359
1982	495111.06	3859401.99	3.94521	1.86552	1.91074	2.50883	14.16256	6.48793	1.88197	1.86552	40.4814352	0.839569184	4.847E-05	0.129961	6.53107	0.89757	3.24924	3.09105294	49.03784
1983	495161.06	3859401.99	3.9162	1.83554	1.88842	2.52552	14.27041	6.61308	1.85126	1.83554	40.1837662	0.826076815	4.791E-05	0.130825	6.580805	0.91489	3.196219	3.04137791	48.79125
1984	495211.06	3859401.99	3.88983	1.79336	1.8668	2.54155	14.3842	6.49107	1.8084	1.79336	39.9131861	0.807093889	4.736E-05	0.131656	6.633279	0.89801	3.122221	2.97148822	48.534
1985	495261.06	3859401.99	3.8605	1.75039	1.84466	2.55523	14.33002	6.76115	1.76472	1.75039	39.6122337	0.787755426	4.68E-05	0.132364	6.608294	0.93537	3.046807	2.90028955	48.22258
1986	495311.06	3859401.99	3.82997	1.70466	1.8225	2.56696	14.21625	7.62825	1.71813	1.70466	39.2989682	0.767174838	4.623E-05	0.132972	6.555829	1.05533	2.966369	2.82451772	47.95217
1987	495361.06	3859401.99	3.80409	1.65059	1.80134	2.57885	14.27388	8.45935	1.66358	1.65059	39.0334159	0.742840869	4.57E-05	0.133588	6.582405	1.17031	2.872188	2.73492703	47.79987
1988	495411.06	3859401.99	3.77523	1.59657	1.77982	2.58803	14.17646	8.45171	1.6089	1.59657	38.7372861	0.718529403	4.515E-05	0.134064	6.53748	1.16925	2.777782	2.64541918	47.42902
1989	495461.06	3859401.99	3.7431	1.54246	1.75794	2.59435	14.0036	7.48892	1.5541	1.54246	38.4076031	0.694177432	4.46E-05	0.134391	6.457765	1.03606	2.683169	2.55576221	46.85744
1990	495511.06	3859401.99	3.7061	1.48687	1.73572	2.59864	13.78934	6.12302	1.49794	1.48687	38.0279496	0.669159394	4.403E-05	0.134613	6.358959	0.84709	2.586209	2.46365297	46.16037
1991	495561.06	3859401.99	3.66467	1.43203	1.71347	2.60065	13.43374	5.38367	1.44285	1.43203	37.6028402	0.644478889	4.347E-05	0.134717	6.194974	0.7448	2.491095	2.37278643	45.44017
1992	495611.06	3859401.99	3.63053	1.3723	1.69243	2.60266	13.34767	4.57233	1.38236	1.3723	37.2525328	0.617597662	4.293E-05	0.134821	6.155283	0.63256	2.386659	2.27381746	44.90568
1993	495661.06	3859401.99	3.5977	1.30926	1.67192	2.6033	13.29888	3.96927	1.31832	1.30926	36.9156672	0.589226784	4.241E-05	0.134855	6.132783	0.54913	2.276093	2.16936402	44.42843
1994	494311.06	3859451.99	4.25556	1.79759	3.6731	3.66512	18.07332	6.68903	1.87611	1.79759	43.6659078	0.808997582	9.318E-05	0.189858	8.334518	0.92539	3.239123	2.97849707	54.1854
1995	494361.06	3859451.99	4.24417	1.81307	3.46386	3.55066	17.69983	7.08318	1.88247	1.81307	43.5490361	0.815964289	8.787E-05	0.183929	8.162283	0.97992	3.250104	3.00414649	53.93718
1996	494411.06	3859451.99	4.23505	1.84782	3.17016	3.42864	17.14865	7.36681	1.90044	1.84782	43.4554566	0.831603375	8.042E-05	0.177608	7.908106	1.01916	3.281129	3.06172512	53.61142
1997	494461.06	3859451.99	4.2168	1.835	3.13949	3.42745	16.74768	7.57029	1.88218	1.835	43.2681951	0.82583379	7.964E-05	0.177547	7.723199	1.04731	3.249603	3.04048316	53.25129
1998	494511.06	3859451.99	4.19995	1.82991	3.09909	3.41754	16.20462	7.73689	1.87075	1.82991	43.0952988	0.823543058	7.862E-05	0.177033	7.472766	1.07036	3.229869	3.03204934	52.8369
1999	494561.06	3859451.99	4.18149	1.81542	3.06904	3.40455	15.65691	7.89579	1.85136	1.81542	42.9058824	0.817021896	7.785E-05	0.17636	7.22019	1.09234	3.196392	3.00804029	52.40023
2000	494611.06	3859451.99	4.16115	1.7877	3.04016	3.40135	15.15313	8.05932	1.82031	1.7877	42.6971756	0.80454663	7.712E-05	0.176195	6.987871	1.11497	3.142784	2.96210994	51.96151
2001	494661.06	3859451.99	4.1402	1.7849	3.01059	3.19264	14.46498	8.23281	1.8277	1.7849	42.4822095	0.803286502	7.637E-05	0.165383	6.670531	1.13897	3.155543	2.95747051	51.45853
2002	494711.06	3859451.99	4.11826	1.81014	2.98152	3.04264	13.73669	8.42053	1.84695	1.81014	42.2570852	0.814645655	7.563E-05	0.157613	6.33468	1.16494	3.188778	2.99929165	50.91852

2003	494761.06	3859451.99	4.09538	1.82805	2.95327	2.96658	13.72519	8.6133	1.86078	1.82805	42.0223157	0.822705973	7.492E-05	0.153673	6.329376	1.19161	3.212656	3.02896743	50.70344
2004	494811.06	3859451.99	4.07091	1.85323	2.92439	2.63407	13.75269	9.38033	1.88117	1.85323	41.7712313	0.834038122	7.419E-05	0.136449	6.342058	1.29772	3.247859	3.07068916	50.55874
2005	494861.06	3859451.99	4.10856	1.87683	2.20495	2.42814	13.79908	14.46818	1.90236	1.87683	42.1575544	0.8446592	5.593E-05	0.125781	6.363451	2.0016	3.284444	3.10979292	51.66775
2006	494911.06	3859451.99	4.08926	1.88978	2.13864	2.39982	13.90132	7.94498	1.91308	1.88978	41.9595189	0.850487291	5.425E-05	0.124314	6.410599	1.09915	3.302952	3.13125028	50.61582
2007	494961.06	3859451.99	4.06671	1.89011	2.10735	2.38321	14.10633	5.72239	1.91194	1.89011	41.7281354	0.850635806	5.346E-05	0.123454	6.505139	0.79166	3.300984	3.13179707	50.16827
2008	495011.06	3859451.99	4.04382	1.89251	2.06384	2.36106	14.22827	5.87675	1.91246	1.89251	41.4932633	0.851715916	5.236E-05	0.122306	6.561372	0.81302	3.301882	3.13577372	50.00784
2009	495061.06	3859451.99	4.02021	1.88599	2.02149	2.36746	14.31985	5.97841	1.90473	1.88599	41.2510032	0.848781618	5.128E-05	0.122638	6.603604	0.82708	3.288536	3.12497048	49.81673
2010	495111.06	3859451.99	3.9952	1.87308	1.99877	2.38979	14.36988	5.93267	1.89126	1.87308	40.9943779	0.842971529	5.07E-05	0.123794	6.626675	0.82076	3.26528	3.1035794	49.57033
2011	495161.06	3859451.99	3.96973	1.84686	1.97888	2.41165	14.53393	5.72424	1.8642	1.84686	40.7330326	0.831171332	5.02E-05	0.124927	6.702327	0.79192	3.21856	3.06013446	49.34185
2012	495211.06	3859451.99	3.94407	1.8138	1.96473	2.43272	14.71457	6.28558	1.82956	1.8138	40.4697377	0.816292822	4.984E-05	0.126018	6.785629	0.86958	3.158754	3.00535605	49.22071
2013	495261.06	3859451.99	3.91786	1.77728	1.9587	2.45253	14.84222	7.01531	1.79264	1.77728	40.2007994	0.799857154	4.969E-05	0.127044	6.844495	0.97053	3.095011	2.94484464	49.09295
2014	495311.06	3859451.99	3.89133	1.74352	1.92903	2.47049	14.82808	7.60928	1.75809	1.74352	39.9285775	0.784663613	4.894E-05	0.127975	6.837974	1.05271	3.03536	2.88890637	48.8784
2015	495361.06	3859451.99	3.86462	1.70276	1.90947	2.48744	14.82838	7.50881	1.71675	1.70276	39.6545086	0.766319752	4.844E-05	0.128853	6.838113	1.03881	2.963986	2.82136954	48.56927
2016	495411.06	3859451.99	3.83692	1.66023	1.87827	2.50273	14.73957	6.73289	1.67393	1.66023	39.3702815	0.74717931	4.765E-05	0.129645	6.797158	0.93146	2.890057	2.75089992	48.11493
2017	495461.06	3859451.99	3.80924	1.61304	1.85693	2.51688	14.66553	5.75418	1.62561	1.61304	39.0862596	0.725941655	4.711E-05	0.130378	6.763014	0.79606	2.806632	2.67270897	47.63563
2018	495511.06	3859451.99	3.77763	1.57173	1.83351	2.52822	14.31343	5.02797	1.58353	1.57173	38.7619123	0.707350268	4.651E-05	0.130965	6.600643	0.6956	2.733981	2.60426081	47.02623
2019	495561.06	3859451.99	3.74714	1.51914	1.81239	2.53899	14.0876	4.52498	1.53039	1.51914	38.4490572	0.683682367	4.598E-05	0.131523	6.496502	0.62601	2.642234	2.51712239	46.51193
2020	495611.06	3859451.99	3.716	1.46261	1.79142	2.54792	13.84108	3.87497	1.47346	1.46261	38.1295326	0.658241286	4.544E-05	0.131986	6.382819	0.53608	2.543944	2.42345563	45.9592
2021	495661.06	3859451.99	3.68488	1.4041	1.77069	2.55551	13.79477	3.41728	1.4143	1.4041	37.8102131	0.631909114	4.492E-05	0.132379	6.361463	0.47276	2.441803	2.32650812	45.52407
2022	494311.06	3859501.99	4.23198	1.74917	3.70718	3.66517	18.28981	6.67213	1.84772	1.74917	43.4239556	0.787206371	9.404E-05	0.189861	8.434352	0.92306	3.190107	2.89826808	54.05037
2023	494361.06	3859501.99	4.22518	1.77473	3.50416	3.57787	18.11749	6.82442	1.86145	1.77473	43.3541815	0.798709538	8.889E-05	0.185339	8.354887	0.94413	3.213812	2.94061944	53.91052
2024	494411.06	3859501.99	4.22433	1.82614	3.10891	3.51809	17.74319	6.9295	1.89715	1.82614	43.3454597	0.821846385	7.887E-05	0.182242	8.182278	0.95866	3.275449	3.02580268	53.74021
2025	494461.06	3859501.99	4.20417	1.79943	3.17402	3.52134	17.57531	7.00727	1.8673	1.79943	43.1385998	0.809825666	8.052E-05	0.18241	8.104861	0.96942	3.223912	2.98154584	53.44756
2026	494511.06	3859501.99	4.19227	1.81289	3.00103	3.51783	17.18945	7.07066	1.86855	1.81289	43.016495	0.81588328	7.613E-05	0.182229	7.926921	0.97819	3.226071	3.00384824	53.14202
2027	494561.06	3859501.99	4.17768	1.81346	2.86617	3.51177	16.76805	7.1227	1.86016	1.81346	42.8667884	0.816139806	7.271E-05	0.181915	7.732592	0.98539	3.211585	3.00479269	52.78969
2028	494611.06	3859501.99	4.15645	1.77567	2.94316	3.51813	16.48722	7.15663	1.8207	1.77567	42.6489493	0.799132581	7.466E-05	0.182244	7.603087	0.99008	3.143457	2.94217696	52.42485
2029	494661.06	3859501.99	4.14276	1.77662	2.74693	3.50277	15.91621	7.19135	1.81402	1.77662	42.5084775	0.799560124	6.968E-05	0.181448	7.339766	0.99489	3.131924	2.94375106	52.01238
2030	494711.06	3859501.99	4.12728	1.77614	2.63011	3.38726	15.22047	7.25512	1.80715	1.77614	42.3496386	0.799344102	6.672E-05	0.175465	7.018925	1.00371	3.120063	2.94295573	51.52426
2031	494761.06	3859501.99	4.10755	1.76834	2.60796	3.41262	14.77494	8.05113	1.81213	1.76834	42.1471909	0.795833746	6.616E-05	0.176778	6.813469	1.11383	3.128661	2.9300316	51.2458
2032	494811.06	3859501.99	4.08595	1.80607	2.58296	3.00071	13.86523	9.46568	1.84169	1.80607	41.9255553	0.812813969	6.552E-05	0.155441	6.393956	1.30953	3.179696	2.99254791	50.78451
2033	494861.06	3859501.99	4.06476	1.82085	2.56054	2.93098	13.23351	15.52104	1.8527	1.82085	41.7081267	0.819465644	6.496E-05	0.151829	6.102638	2.14726	3.198705	3.01703747	51.11105
2034	494911.06	3859501.99	4.04373	1.82811	2.53901	2.91722	13.20156	8.12721	1.85729	1.82811	41.4923398	0.822732975	6.441E-05	0.151116	6.087904	1.12436	3.20663	3.02906685	49.85608
2035	494961.06	3859501.99	4.02097	1.84455	2.51676	2.65105	13.35923	5.73537	1.87077	1.84455	41.2588015	0.830131726	6.384E-05	0.137328	6.160614	0.79346	3.229903	3.05630693	49.354
2036	495011.06	3859501.99	3.99921	1.84479	2.49592	2.59343	13.64913	5.50994	1.8692	1.84479	41.0355242	0.830239737	6.332E-05	0.134343	6.294301	0.76227	3.227193	3.05670459	49.22723
2037	495061.06	3859501.99	3.97723	1.83951	2.47543	2.52834	13.92288	5.30789	1.86233	1.83951	40.8099894	0.827863496	6.28E-05	0.130972	6.420541	0.73432	3.215332	3.04795595	49.09112
2038	495111.06	3859501.99	4.01695	1.84281	2.06806	2.40636	13.9983	5.37465	1.86388	1.84281	41.2175527	0.829348647	5.246E-05	0.124653	6.455321	0.74356	3.218008	3.05342385	49.53507
2039	495161.06	3859501.99	3.99457	1.8274	2.0511	2.38282	14.22866	5.84769	1.84731	1.8274	40.9879136	0.822413443	5.203E-05	0.123433	6.561552	0.809	3.189399	3.02789042	49.46587
2040	495211.06	3859501.99	3.97009	1.80226	2.0341	2.39658	14.50668	6.50426	1.82122	1.80226	40.7367266	0.811099295	5.16E-05	0.124146	6.689761	0.89983	3.144355	2.98623497	49.41974
2041	495261.06	3859501.99	3.94711	1.77936	2.01625	2.36215	14.67549	6.92216	1.79718	1.77936	40.5009309	0.800793249	5.115E-05	0.122363	6.767607	0.95765	3.102849	2.94829107	49.30395
2042	495311.06	3859501.99	3.92289	1.7494	1.99824	2.36006	14.84963	6.76783	1.7665	1.7494	40.2524117	0.787309881	5.069E-05	0.122254	6.847912	0.9363	3.04988	2.89864918	49.09747
2043	495361.06	3859501.99	3.8999	1.72002	1.97955	2.37627	14.92957	6.11679	1.73624	1.72002	40.0165135	0.77408754	5.022E-05	0.123094	6.884777	0.84623	2.997636	2.84996831	48.79242
2044	495411.06	3859501.99	3.87619	1.68584	1.96066	2.39627	14.99031	5.39701	1.7011	1.68584	39.7732273	0.758704979	4.974E-05	0.12413	6.912787	0.74665	2.936966	2.79333413	48.45918
2045	495461.06	3859501.99	3.85257	1.65214	1.94131	2.41497	14.97873	4.58714	1.66599	1.65214	39.5308647	0.74353844	4.925E-05	0.125099	6.907447	0.63461	2.876349	2.73749528	48.08046
2046	495511.06	3859501.99	3.82922	1.62547	1.9208	2.43108	14.65271	4.41174	1.63887	1.62547	39.2912725	0.731535722	4.873E-05	0.125933	6.757102	0.61034	2.829526	2.69330472	47.65246
2047	495561.06	3859501.99	3.80392	1.58273	1.90136	2.4482	14.7153	3.84283	1.59499	1.58273	39.0316715	0.712300771	4.823E-05	0.12682	6.785966	0.53164	2.753766	2.62248714	47.31972
2048	495611.06	3859501.99	3.77738	1.53763	1.88138	2.46325	14.55981	3.4093	1.54944	1.53763	38.7593471	0.692003711	4.773E-05	0.1276	6.714262	0.47166	2.675124	2.54775919	46.89228
2049	495661.06	3859501.99	3.74958	1.48958	1.86119	2.47689	14.33955	3.03652	1.50067	1.48958	38.4740938	0.670379017	4.721E-05	0.128306	6.612689	0.42009	2.590922	2.46814327	46.42838
2050	494311.06	3859551.99	4.19959	1.68649	4.12735	3.64001	17.98351	6.26452	1.80747	1.68649	43.0916048	0.758997509	0.0001047	0.188558	8.293102	0.86667	3.120615	2.79441114	53.52524
2051	494361.06	3859551.99	4.19752	1.72456	3.78318	3.62104	17.96895	6.28667	1.83164	1.72456	43.0703648	0.776130747	9.597E-05	0.187575	8.286388	0.86973	3.162345	2.85749081	53.49514
2052	494411.06	3859551.99	4.20298	1.79002	3.38198	3.61547	17.83183	6.28848	1.87987	1.79002	43.1263893	0.805590736	8.579E-05	0.187286	8.223155	0.86998	3.245615	2.96595404	53.49215
2053	494461.06	3859551.99	4.18243	1.76461	3.53407	3.61831	17.83811	6.26196	1.84912	1.76461	42.9155277	0.794155076	8.965E-05	0.187434	8.226051	0.86631	3.192524	2.92385122	53.25824
2054	494511.06	3859551.99	4.17394	1.77938	3.34731	3.61539	17.65218	6.2172	1.85417	1.77938	42.8284126	0.80080225	8.491E-05	0.187282	8.140309	0.86012	3.201243	2.94832421	53.06993
2055	494561.06	3859551.99	4.16195	1.78099	3.22462	3.61245	17.42733	6.15456	1.84788	1.78099	42.7053843	0.801526824	8.18E-05	0.18713	8.036619	0.85145	3.190384	2.95099188	52.82159
2056	494611.06	3859551.99	4.14619	1.76655	3.18625	3.61164	17.19783	6.11866	1.8273	1.76655	42.5436724	0.795028164	8.083E-05	0.187088	7.930785	0.84649	3.154852	2.92706568	52.53093
2057	494661.06	3859551.99	4.13199	1.75881	3.09415	3.60971	16.88746	6.63018	1.81205	1.75881	42.3979675	0.791544811	7.849E-05	0.186988	7.787658	0.91725	3.128523	2.91424097	52.29577
2058	494711.06	3859551.99	4.12596	1.79691	2.67517	3.55116	16.22987	7.39178	1.83553	1.79691	42.3360942	0.808691551	6.786E-05	0.183955	7.48441	1.02262	3.169061	2.97737035	52.02753
2059	494761.06	3859551.99	4.10437	1.74731	2.81735	3.58254	16.04125	8.14557	1.78523	1.74731	42.1145612	0.786369286	7.147E-05	0.185581	7.397428	1.1269	3.082218	2.89518617	51.79794
2060	494811.06	3859551.99	4.09171	1.75008	2.54468	3.48381	15.38478	9.4706	1.79141	1.75008	41.9846581	0.787615912	6.455E-05	0.180466	7.094697	1.31021	3.092888	2.89977589	51.55082
2061	494861.06	3859551.99	4.07309	1.7637	2.45784	3.2571	14.87422	15.42386	1.80622	1.7637	41.7936	0.793745534	6.235E-05	0.168722	6.859252	2.13382	3.118457	2.9223434	51.94531

2062	494911.06	3859551.99	4.05412	1.78463	2.34167	3.08837	14.28561	7.81092	1.82186	1.78463	41.5989506	0.80316499	5.94E-05	0.159982	6.587814	1.0806	3.14546	2.95702314	50.41901
2063	494961.06	3859551.99	4.03469	1.79346	2.31015	3.06468	13.78447	5.81826	1.82736	1.79346	41.3995812	0.807138893	5.86E-05	0.158755	6.356713	0.80493	3.154956	2.97165391	49.71048
2064	495011.06	3859551.99	4.01513	1.79641	2.29983	3.05732	13.28702	5.32068	1.82765	1.79641	41.1988778	0.808466528	5.834E-05	0.158373	6.127314	0.73609	3.155456	2.97654188	49.20809
2065	495061.06	3859551.99	3.99494	1.80106	2.22934	2.99619	13.05792	5.11691	1.82937	1.80106	40.9917101	0.81055924	5.655E-05	0.155207	6.021665	0.7079	3.158426	2.98424665	48.86128
2066	495111.06	3859551.99	3.97396	1.80584	2.14068	2.94216	13.26999	5.52502	1.83139	1.80584	40.7764363	0.812710458	5.43E-05	0.152408	6.119461	0.76436	3.161913	2.99216682	48.79518
2067	495161.06	3859551.99	3.95348	1.79668	2.12524	2.93808	13.60165	6.07185	1.82058	1.79668	40.5662929	0.80858804	5.391E-05	0.152197	6.272406	0.84001	3.14325	2.97698925	48.80581
2068	495211.06	3859551.99	3.93283	1.78095	2.13576	2.95039	13.94658	6.36035	1.80338	1.78095	40.3544051	0.801508822	5.418E-05	0.152834	6.43147	0.87992	3.113554	2.9509256	48.78282
2069	495261.06	3859551.99	3.91124	1.76986	2.09448	2.88188	14.1314	6.17171	1.79076	1.76986	40.1328721	0.796517816	5.313E-05	0.149285	6.5167	0.85383	3.091765	2.93255015	48.60847
2070	495311.06	3859551.99	3.88968	1.75237	2.07918	2.86002	14.32973	5.60823	1.77193	1.75237	39.911647	0.788646517	5.274E-05	0.148153	6.60816	0.77587	3.059255	2.90357029	48.38822
2071	495361.06	3859551.99	3.86762	1.72883	2.06429	2.84944	14.53288	5.06475	1.74727	1.72883	39.6852914	0.778052442	5.237E-05	0.147605	6.701843	0.70068	3.016679	2.86456594	48.16564
2072	495411.06	3859551.99	3.84569	1.69967	2.0498	2.84074	14.7382	4.13185	1.71716	1.69967	39.4602697	0.764929111	5.2E-05	0.147154	6.796526	0.57162	2.964694	2.8162496	47.889
2073	495461.06	3859551.99	3.82262	1.68123	2.03432	2.58073	14.74823	4.22234	1.69757	1.68123	39.2235505	0.756630268	5.161E-05	0.133685	6.801152	0.58414	2.930872	2.78569564	47.64439
2074	495511.06	3859551.99	3.85871	1.65776	1.99345	2.40621	14.70445	3.81703	1.67308	1.65776	39.5938667	0.746067697	5.057E-05	0.124645	6.780962	0.52807	2.88859	2.74680728	47.91544
2075	495561.06	3859551.99	3.83703	1.62252	1.97604	2.34279	14.74653	3.39606	1.63704	1.62252	39.3714102	0.730208088	5.013E-05	0.12136	6.800368	0.46983	2.826366	2.68841675	47.63117
2076	495611.06	3859551.99	3.81516	1.58449	1.95829	2.35883	14.74813	3.03851	1.59823	1.58449	39.1470041	0.713092851	4.968E-05	0.122191	6.801105	0.42036	2.75936	2.62540336	47.33776
2077	495661.06	3859551.99	3.793	1.54988	1.93997	2.37675	14.66506	2.7886	1.5627	1.54988	38.9196224	0.697516771	4.921E-05	0.123119	6.762798	0.38579	2.698017	2.5680567	47.01885
2078	494311.06	3859601.99	4.15409	1.61169	4.53252	3.72495	17.21761	5.64743	1.7602	1.61169	42.6247336	0.725334093	0.000115	0.192958	7.939907	0.78129	3.039003	2.6704721	52.63287
2079	494361.06	3859601.99	4.16997	1.69567	4.03163	3.71712	17.40104	5.57583	1.82253	1.69567	42.7876768	0.763128928	0.0001023	0.192552	8.024496	0.77139	3.146617	2.80962184	52.87634
2080	494411.06	3859601.99	4.16999	1.74083	3.80442	3.7125	17.49343	5.48582	1.85211	1.74083	42.787882	0.78345299	9.651E-05	0.192313	8.067102	0.75894	3.197687	2.88444921	52.90302
2081	494461.06	3859601.99	4.15015	1.71313	3.92021	3.71301	17.59748	5.44564	1.81806	1.71313	42.5843056	0.770986725	9.945E-05	0.192339	8.115084	0.75338	3.138899	2.838552	52.71654
2082	494511.06	3859601.99	4.15012	1.7539	3.63126	3.70706	17.56528	5.38975	1.845	1.7539	42.5839977	0.789335087	9.212E-05	0.192031	8.100235	0.74565	3.185411	2.9061054	52.69064
2083	494561.06	3859601.99	4.13304	1.73285	3.68818	3.70623	17.56466	5.74678	1.81794	1.73285	42.4087414	0.779861626	9.356E-05	0.191988	8.099949	0.79504	3.138692	2.87122683	52.54314
2084	494611.06	3859601.99	4.11892	1.7209	3.66755	3.70365	17.49051	6.19678	1.79908	1.7209	42.2638574	0.77448358	9.304E-05	0.191854	8.065755	0.85729	3.10613	2.85142641	52.40804
2085	494661.06	3859601.99	4.11569	1.74821	3.31806	3.69394	17.25259	6.74276	1.81531	1.74821	42.2307147	0.786774327	8.417E-05	0.191351	7.956038	0.93283	3.134151	2.89667742	52.33526
2086	494711.06	3859601.99	4.11066	1.78102	3.08253	3.67131	16.94018	7.46427	1.83339	1.78102	42.1791023	0.801540325	7.82E-05	0.190179	7.81197	1.03265	3.165366	2.95104159	52.22984
2087	494761.06	3859601.99	4.08641	1.71362	3.32404	3.68574	16.88036	8.10245	1.77016	1.71362	41.9302753	0.771207247	8.432E-05	0.190926	7.784384	1.12093	3.056199	2.8393639	52.01465
2088	494811.06	3859601.99	4.08031	1.7397	3.02204	3.65921	16.44293	9.34683	1.78219	1.7397	41.8676838	0.782944438	7.666E-05	0.189552	7.582663	1.29309	3.076969	2.88257687	51.9104
2089	494861.06	3859601.99	4.06548	1.72084	2.94978	3.64118	16.09605	15.17722	1.75883	1.72084	41.7155145	0.774456577	7.483E-05	0.188618	7.422699	2.09969	3.036638	2.851327	52.38637
2090	494911.06	3859601.99	4.05332	1.7244	2.75202	3.58229	15.58684	7.60485	1.77462	1.7244	41.5907419	0.77605874	6.981E-05	0.185568	7.187877	1.05209	3.063899	2.8572257	50.99908
2091	494961.06	3859601.99	4.03359	1.72559	2.85072	3.61573	15.31131	5.90414	1.77356	1.72559	41.3882942	0.776594294	7.232E-05	0.1873	7.060816	0.81681	3.062069	2.85919746	50.43276
2092	495011.06	3859601.99	4.02027	1.75309	2.64059	3.50369	14.70381	5.38017	1.79315	1.75309	41.2516189	0.78897055	6.699E-05	0.181496	6.780667	0.74432	3.095892	2.90476328	49.93827
2093	495061.06	3859601.99	4.00172	1.75385	2.67268	3.54526	14.30927	5.29818	1.79118	1.75385	41.0612791	0.789312584	6.78E-05	0.183649	6.598725	0.73298	3.09249	2.90602255	49.55248
2094	495111.06	3859601.99	3.98429	1.76749	2.54575	3.29319	13.71301	5.71079	1.80023	1.76749	40.8824314	0.795451207	6.458E-05	0.170592	6.323759	0.79006	3.108115	2.9286232	49.14185
2095	495161.06	3859601.99	3.96566	1.76374	2.5489	3.33055	13.23747	5.89658	1.79393	1.76374	40.6912707	0.793763536	6.466E-05	0.172527	6.104464	0.81576	3.097238	2.92240968	48.75268
2096	495211.06	3859601.99	3.94676	1.76128	2.50629	3.19561	12.90714	5.68794	1.78907	1.76128	40.4973396	0.792656424	6.358E-05	0.165537	5.952132	0.7869	3.088847	2.91833361	48.36514
2097	495261.06	3859601.99	3.92727	1.75197	2.48779	3.15829	13.24203	5.18175	1.77774	1.75197	40.2973545	0.788466499	6.311E-05	0.163604	6.106567	0.71687	3.069286	2.90290751	48.2393
2098	495311.06	3859601.99	3.90778	1.73782	2.47858	3.14771	13.56616	4.76264	1.76187	1.73782	40.0973694	0.782098353	6.288E-05	0.163056	6.25604	0.65889	3.041886	2.87946182	48.11994
2099	495361.06	3859601.99	3.88797	1.72635	2.42235	3.02474	13.8136	3.93093	1.74838	1.72635	39.8941008	0.776936329	6.145E-05	0.156686	6.370147	0.54382	3.018596	2.86045673	47.89989
2100	495411.06	3859601.99	3.86759	1.70544	2.40653	3.0085	14.0847	3.97517	1.72623	1.70544	39.6849835	0.767525874	6.105E-05	0.155845	6.495164	0.54995	2.980354	2.82581014	47.80807
2101	495461.06	3859601.99	3.84651	1.69631	2.255	2.8772	14.15925	3.75307	1.71518	1.69631	39.4686836	0.763416957	5.72E-05	0.149043	6.529543	0.51922	2.961276	2.81068228	47.58056
2102	495511.06	3859601.99	3.82512	1.67933	2.13077	2.77371	14.22371	3.36175	1.69672	1.67933	39.2492028	0.755775182	5.405E-05	0.143682	6.559269	0.46508	2.929404	2.78254746	47.31992
2103	495561.06	3859601.99	3.80409	1.64435	2.14635	2.77582	14.46426	3.0595	1.66091	1.64435	39.0334159	0.740032584	5.445E-05	0.143791	6.670199	0.42327	2.867578	2.72458773	47.15375
2104	495611.06	3859601.99	3.78133	1.62581	2.01927	2.54873	14.42403	2.92199	1.64117	1.62581	38.7998776	0.731688738	5.122E-05	0.132028	6.651647	0.40424	2.833497	2.69386808	46.85916
2105	495661.06	3859601.99	3.76002	1.5871	2.00423	2.51755	14.55995	2.85131	1.60166	1.5871	38.5812177	0.71426747	5.084E-05	0.130413	6.714326	0.39446	2.765282	2.62972797	46.67029
2106	494311.06	3859651.99	4.1123	1.57011	4.43156	3.81494	16.12917	4.98395	1.74658	1.57011	42.1959302	0.706621195	0.0001124	0.197619	7.437973	0.68951	3.015488	2.60157657	51.64167
2107	494361.06	3859651.99	4.13038	1.64494	4.02974	3.80282	16.44914	4.91674	1.79714	1.64494	42.3814474	0.740298111	0.0001022	0.196991	7.585527	0.68021	3.10278	2.72556532	51.96179
2108	494411.06	3859651.99	4.12528	1.66539	3.93372	3.79654	16.69723	4.81811	1.80305	1.66539	42.3291168	0.749501545	9.979E-05	0.196666	7.699934	0.66656	3.112984	2.75944973	51.99541
2109	494461.06	3859651.99	4.10717	1.64202	4.03818	3.793	16.90405	5.11517	1.77156	1.64202	42.1432918	0.738983978	0.0001024	0.196483	7.795309	0.70766	3.058616	2.72072706	51.91972
2110	494511.06	3859651.99	4.10308	1.66292	3.91747	3.78536	17.06689	5.46766	1.77986	1.66292	42.1013247	0.748389932	9.938E-05	0.196087	7.870402	0.75642	3.072946	2.75535709	51.99032
2111	494561.06	3859651.99	4.09338	1.66467	3.87719	3.77861	17.17842	5.84747	1.77136	1.66467	42.0017939	0.749177512	9.836E-05	0.195737	7.921835	0.80897	3.058271	2.75825673	51.97762
2112	494611.06	3859651.99	4.08392	1.66589	3.82166	3.7711	17.24171	6.26419	1.76321	1.66589	41.9047257	0.749726568	9.695E-05	0.195348	7.951021	0.86662	3.0442	2.7602782	51.95146
2113	494661.06	3859651.99	4.08782	1.71713	3.42408	3.75927	17.19885	6.76979	1.80036	1.71713	41.9447432	0.772786908	8.686E-05	0.194735	7.931256	0.93657	3.10834	2.84517975	52.04334
2114	494711.06	3859651.99	4.07651	1.71019	3.38926	3.75124	17.16612	7.3169	1.78627	1.71019	41.8286923	0.769663591	8.598E-05	0.194319	7.916162	1.01226	3.084013	2.8336806	51.97151
2115	494761.06	3859651.99	4.06442	1.69979	3.43565	3.74262	17.11142	7.97094	1.76938	1.69979	41.704638	0.764983116	8.715E-05	0.193873	7.890937	1.10274	3.054853	2.81644843	51.89566
2116	494811.06	3859651.99	4.05745	1.70795	3.27101	3.72936	16.93813	9.55722	1.76926	1.70795	41.6331194	0.768655489	8.298E-05	0.193186	7.811025	1.32219	3.054645	2.82996905	51.95294
2117	494861.06	3859651.99	4.0443	1.69065	3.23535	3.71727	16.75755	14.99549	1.74659	1.69065	41.4981885	0.760869699	8.207E-05	0.19256	7.72775	2.07455	3.015505	2.80130401	52.4682
2118	494911.06	3859651.99	4.03322	1.68052	3.13937	3.70101	16.50207	8.10801	1.73068	1.68052	41.3844977	0.756310736	7.964E-05	0.191717	7.609936	1.1217	2.988037	2.78451921	51.26776
2119	494961.06	3859651.99	4.01997	1.6599	3.08933	3.68711	16.22231	6.04821	1.72634	1.6599	41.2485406	0.747030795	7.837E-05	0.190997	7.480924	0.83674	2.980544	2.75035313	50.7345
2120	495011.06	3859651.99	4.00681	1.67866	3.01184	3.67381	15.8816	5.53185	1.73936	1.67866	41.1135071	0.755473651	7.64E-05	0.190308	7.323806	0.7653	3.003023	2.78143731	50.37006

2121	495061.06	3859651.99	3.99135	1.68891	2.99491	3.66281	15.53822	5.43045	1.74409	1.68891	40.9548735	0.760086619	7.597E-05	0.189739	7.165456	0.75128	3.011189	2.79842093	50.03427
2122	495111.06	3859651.99	3.97818	1.70702	2.89679	3.62964	15.10486	5.52321	1.75297	1.70702	40.8197373	0.768236946	7.349E-05	0.18802	6.965612	0.76411	3.02652	2.8284281	49.70388
2123	495161.06	3859651.99	3.96249	1.71455	2.85142	3.60419	14.67154	5.29345	1.75586	1.71455	40.6587437	0.77162579	7.233E-05	0.186702	6.765786	0.73232	3.03151	2.84090485	49.30586
2124	495211.06	3859651.99	3.94588	1.7155	2.83501	3.58657	14.23066	4.82264	1.75327	1.7155	40.48831	0.772053333	7.192E-05	0.185789	6.562474	0.66719	3.027038	2.84247894	48.86045
2125	495261.06	3859651.99	3.92999	1.71691	2.78062	3.56223	13.73379	4.49125	1.75092	1.71691	40.3252642	0.772687898	7.054E-05	0.184528	6.333342	0.62134	3.022981	2.84481523	48.4154
2126	495311.06	3859651.99	3.91285	1.71242	2.7487	3.54271	13.23222	3.81485	1.74342	1.71242	40.1493922	0.770667193	6.973E-05	0.183517	6.102043	0.52777	3.010032	2.83737557	47.90611
2127	495361.06	3859651.99	3.89524	1.70269	2.7277	3.52265	12.78681	3.69802	1.73124	1.70269	39.9686976	0.766288248	6.92E-05	0.182478	5.896642	0.5116	2.989003	2.82125355	47.49353
2128	495411.06	3859651.99	3.87797	1.69397	2.6739	3.47992	13.08201	3.64539	1.72002	1.69397	39.7914918	0.76236385	6.783E-05	0.180265	6.032774	0.50432	2.969632	2.80680504	47.43411
2129	495461.06	3859651.99	3.86171	1.69418	2.52711	3.33284	13.26587	3.34042	1.71705	1.69418	39.6246494	0.76245836	6.411E-05	0.172646	6.117561	0.46213	2.964504	2.807153	47.29686
2130	495511.06	3859651.99	3.84284	1.68677	2.41203	2.91036	13.44967	3.19345	1.70747	1.68677	39.4310261	0.759123521	6.119E-05	0.150761	6.20232	0.4418	2.947964	2.79487508	47.13818
2131	495561.06	3859651.99	3.82352	1.66368	2.38855	2.86416	13.70739	3.11114	1.68305	1.66368	39.2327853	0.748731967	6.059E-05	0.148367	6.321168	0.43041	2.905803	2.75661636	47.03071
2132	495611.06	3859651.99	3.80361	1.64173	2.32328	2.79662	13.89447	3.01203	1.65971	1.64173	39.0284907	0.738853465	5.894E-05	0.144869	6.40744	0.4167	2.865506	2.72024655	46.88167
2133	495661.06	3859651.99	3.78353	1.61726	2.24383	2.736	14.03433	2.92046	1.63395	1.61726	38.8224516	0.727840847	5.692E-05	0.141729	6.471936	0.40403	2.821031	2.67970125	46.70938
2134	494311.06	3859701.99	4.08574	1.56472	4.54494	3.86846	14.9483	4.36288	1.7614	1.56472	41.9234005	0.704195448	0.0001153	0.200392	6.893414	0.60358	3.041075	2.59264567	50.77353
2135	494361.06	3859701.99	4.08771	1.59845	4.35125	3.85617	15.18471	4.62549	1.77815	1.59845	41.9436145	0.719375489	0.0001104	0.199755	7.002434	0.63991	3.069994	2.64853423	50.92666
2136	494411.06	3859701.99	4.07858	1.60441	4.31742	3.84579	15.54464	4.92496	1.7694	1.60441	41.8499324	0.722057761	0.0001095	0.199217	7.168416	0.68134	3.054887	2.65840958	51.01755
2137	494461.06	3859701.99	4.05628	1.57411	4.51851	3.83805	15.83991	5.22497	1.73087	1.57411	41.6211142	0.708421377	0.0001146	0.198816	7.30458	0.72285	2.988365	2.60820433	50.93606
2138	494511.06	3859701.99	4.05267	1.58635	4.37898	3.82529	16.12113	5.54606	1.72974	1.58635	41.5840723	0.713929936	0.0001111	0.198155	7.434265	0.76727	2.986414	2.62848526	51.05573
2139	494561.06	3859701.99	4.0442	1.58709	4.31563	3.81322	16.34979	5.87784	1.71893	1.58709	41.4971624	0.71426297	0.0001095	0.19753	7.539712	0.81317	2.96775	2.6297114	51.09999
2140	494611.06	3859701.99	4.03649	1.58863	4.23219	3.80049	16.53948	6.22166	1.70936	1.58863	41.4180508	0.71495604	0.0001074	0.196871	7.627187	0.86074	2.951227	2.63226308	51.13687
2141	494661.06	3859701.99	4.05072	1.67006	3.69771	3.78202	16.72792	6.65794	1.77261	1.67006	41.5640635	0.751603258	9.38E-05	0.195914	7.714086	0.92109	3.060429	2.76718763	51.4401
2142	494711.06	3859701.99	4.03668	1.6486	3.73741	3.76991	16.83321	7.04873	1.74475	1.6486	41.4200004	0.741945279	9.481E-05	0.195287	7.762641	0.97516	3.012329	2.73162972	51.37582
2143	494761.06	3859701.99	4.03245	1.66555	3.54361	3.75482	16.89036	7.63849	1.75164	1.66555	41.3765968	0.749573553	8.989E-05	0.194505	7.788996	1.05675	3.024224	2.75971484	51.43102
2144	494811.06	3859701.99	4.02752	1.67949	3.4104	3.73919	16.89069	10.0028	1.75598	1.67949	41.3260105	0.755847189	8.651E-05	0.193695	7.789148	1.38384	3.031717	2.78281257	51.69753
2145	494861.06	3859701.99	4.01176	1.64794	3.44031	3.72654	16.86411	14.54969	1.71984	1.64794	41.1642986	0.741648248	8.727E-05	0.19304	7.77689	2.01288	2.969321	2.73053614	52.12763
2146	494911.06	3859701.99	4.00405	1.64685	3.35294	3.71093	16.77508	8.16801	1.71151	1.64685	41.085187	0.741157699	8.506E-05	0.192231	7.735834	1.13	2.954939	2.72873008	51.11071
2147	494961.06	3859701.99	3.99518	1.64003	3.27049	3.69442	16.63557	6.1663	1.69821	1.64003	40.9941727	0.738088387	8.297E-05	0.191376	7.671499	0.85308	2.931977	2.71742975	50.66284
2148	495011.06	3859701.99	3.98211	1.61577	3.24419	3.67961	16.46428	5.6602	1.68465	1.61577	40.8600627	0.727170279	8.23E-05	0.190609	7.592509	0.78306	2.908565	2.67723241	50.38483
2149	495061.06	3859701.99	3.97068	1.61753	3.18364	3.66209	16.23898	5.23171	1.69383	1.61753	40.7427805	0.72796236	8.076E-05	0.189701	7.488611	0.72378	2.924415	2.68014862	50.11718
2150	495111.06	3859701.99	3.9592	1.63403	3.12107	3.64558	15.96931	4.97579	1.70315	1.63403	40.6249853	0.735388113	7.917E-05	0.188846	7.364253	0.68838	2.940506	2.70748812	49.83495
2151	495161.06	3859701.99	3.9477	1.64932	3.04675	3.61816	15.65141	4.55155	1.71141	1.64932	40.5069848	0.742269311	7.729E-05	0.187426	7.217653	0.62968	2.954767	2.73282272	49.50604
2152	495211.06	3859701.99	3.93581	1.66446	2.96649	3.58992	15.28591	4.25746	1.71988	1.66446	40.3849826	0.749083003	7.525E-05	0.185963	7.049103	0.589	2.96939	2.75790877	49.16969
2153	495261.06	3859701.99	3.91902	1.65809	2.97643	3.58124	14.94199	4.10355	1.71011	1.65809	40.212702	0.746216212	7.551E-05	0.185513	6.890504	0.56771	2.952522	2.74735407	48.80789
2154	495311.06	3859701.99	3.90589	1.66547	2.90626	3.55324	14.51424	3.90028	1.71186	1.66547	40.0779763	0.749537549	7.373E-05	0.184063	6.693247	0.53958	2.955544	2.75958228	48.44044
2155	495361.06	3859701.99	3.8918	1.67095	2.84484	3.53234	14.06069	3.727	1.71135	1.67095	39.9334001	0.752003799	7.217E-05	0.18298	6.484092	0.51561	2.954663	2.76866231	48.05416
2156	495411.06	3859701.99	3.87888	1.68049	2.74849	3.48341	13.54407	3.5412	1.7131	1.68049	39.8008292	0.756297235	6.972E-05	0.180446	6.245853	0.48991	2.957685	2.78446951	47.64662
2157	495461.06	3859701.99	3.86386	1.67886	2.68127	3.43441	13.02567	3.40307	1.70813	1.67886	39.6467103	0.75556366	6.802E-05	0.177907	6.006792	0.4708	2.949104	2.7817687	47.22517
2158	495511.06	3859701.99	3.85113	1.68867	2.53239	3.32441	12.37827	3.23401	1.71357	1.68867	39.516089	0.759978608	6.424E-05	0.172209	5.708244	0.44741	2.958496	2.79802327	46.76447
2159	495561.06	3859701.99	3.8323	1.66023	2.5616	3.34251	12.70199	3.17956	1.68421	1.66023	39.3228761	0.74717931	6.498E-05	0.173147	5.857527	0.43988	2.907806	2.75089992	46.69758
2160	495611.06	3859701.99	3.81547	1.6455	2.50488	3.29707	12.97143	3.08428	1.6674	1.6455	39.150185	0.740550137	6.354E-05	0.170793	5.98178	0.4267	2.878783	2.72649321	46.62236
2161	495661.06	3859701.99	3.79861	1.62863	2.43918	3.17914	13.20553	2.99806	1.64862	1.62863	38.9771861	0.732957867	6.188E-05	0.164684	6.089735	0.41477	2.846359	2.69854065	46.52721
2162	494311.06	3859751.99	4.01857	1.49818	5.13905	3.88013	16.00492	4.47768	1.73484	1.49818	41.2341754	0.67424941	0.0001304	0.200996	7.380675	0.61947	2.995219	2.48239295	50.62252
2163	494361.06	3859751.99	4.01806	1.51415	5.01622	3.86165	15.49955	4.74679	1.73166	1.51415	41.2289423	0.681436639	0.0001273	0.200039	7.147623	0.6567	2.989729	2.50885426	50.39574
2164	494411.06	3859751.99	4.02061	1.53512	4.83197	3.84055	14.96134	5.01763	1.73311	1.53512	41.2551076	0.690874097	0.0001226	0.198946	6.899427	0.69416	2.992232	2.54360028	50.18727
2165	494461.06	3859751.99	4.0024	1.52512	4.97108	3.82769	14.53466	5.27769	1.71342	1.52512	41.0682565	0.68637364	0.0001261	0.19828	6.702664	0.73014	2.958237	2.52703089	49.81705
2166	494511.06	3859751.99	3.99037	1.52132	5.00324	3.8116	14.86726	5.53516	1.6981	1.52132	40.9448178	0.684663467	0.0001269	0.197446	6.856042	0.76576	2.931787	2.52073452	49.85991
2167	494561.06	3859751.99	3.98791	1.5297	4.8884	3.79193	15.19902	5.78809	1.6914	1.5297	40.9195759	0.688434849	0.000124	0.196427	7.009034	0.80075	2.920219	2.53461967	49.99995
2168	494611.06	3859751.99	3.98967	1.54563	4.70082	3.76972	15.51932	6.03615	1.69097	1.54563	40.9376351	0.695604077	0.0001192	0.195277	7.15674	0.83507	2.919477	2.56101471	50.17891
2169	494661.06	3859751.99	3.99836	1.58483	4.30201	3.74622	15.82112	6.3236	1.71391	1.58483	41.0268024	0.713245867	0.0001091	0.194059	7.295915	0.87484	2.959083	2.62596672	50.43809
2170	494711.06	3859751.99	3.98748	1.57319	4.37813	3.7281	16.03863	6.57566	1.69208	1.57319	40.9151637	0.708007335	0.0001111	0.193121	7.39622	0.90971	2.921393	2.60667995	50.43705
2171	494761.06	3859751.99	3.97927	1.56906	4.32471	3.7091	16.21393	7.75403	1.67927	1.56906	40.8309217	0.706148647	0.0001097	0.192137	7.47706	1.07273	2.899277	2.59983679	50.57855
2172	494811.06	3859751.99	3.97658	1.58444	4.16232	3.68869	16.37282	9.94333	1.68341	1.58444	40.8033198	0.713070349	0.0001056	0.191079	7.550332	1.37561	2.906424	2.62532051	50.91462
2173	494861.06	3859751.99	3.96924	1.58115	4.07879	3.66905	16.47055	15.57062	1.67174	1.58115	40.7280048	0.711589699	0.0001035	0.190062	7.5954	2.15412	2.886276	2.61986918	51.64569
2174	494911.06	3859751.99	3.962	1.57864	3.98731	3.64918	16.52581	8.40944	1.66092	1.57864	40.6537158	0.710460084	0.0001011	0.189033	7.620883	1.1634	2.867595	2.61571026	50.58948
2175	494961.06	3859751.99	3.95403	1.57106	3.89697	3.62921	16.53588	6.28983	1.64604	1.57106	40.5719364	0.707048738	9.886E-05	0.187998	7.625527	0.87017	2.841905	2.60315067	50.20153
2176	495011.06	3859751.99	3.94649	1.56798	3.78635	3.6089	16.50433	5.78494	1.63636	1.56798	40.4945691	0.705662597	9.605E-05	0.186946	7.610978	0.80032	2.825192	2.59804729	50.02571
2177	495061.06	3859751.99	3.93555	1.54773	3.74434	3.58931	16.41874	5.36694	1.63036	1.54773	40.3823148	0.696549173	9.499E-05	0.185931	7.571508	0.74249	2.814833	2.56449428	49.82923
2178	495111.06	3859751.99	3.92718	1.55123	3.63808	3.569	16.29797	5.01162	1.64102	1.55123	40.296431	0.698124332	9.229E-05	0.184879	7.515815	0.69333	2.833238	2.57029356	49.65162
2179	495161.06	3859751.99	3.91916	1.57301	3.5095	3.54802	16.13377	4.6979	1.65412	1.57301	40.2141385	0.707926327	8.903E-05	0.183792	7.440094	0.64993	2.855855	2.6063817	49.44544

2180	495211.06	3859751.99	3.9106	1.59363	3.37206	3.52678	15.92381	4.40503	1.66671	1.59363	40.1263052	0.717206268	8.554E-05	0.182692	7.343271	0.60941	2.877592	2.64054778	49.21602
2181	495261.06	3859751.99	3.89854	1.60055	3.31875	3.5067	15.67231	4.20354	1.66715	1.60055	40.0025586	0.720320584	8.419E-05	0.181652	7.227291	0.58154	2.878351	2.6520138	48.93978
2182	495311.06	3859751.99	3.88817	1.61255	3.20922	3.48533	15.3789	3.99779	1.6726	1.61255	39.896153	0.725721132	8.141E-05	0.180545	7.091985	0.55307	2.887761	2.67189707	48.66342
2183	495361.06	3859751.99	3.8765	1.61897	3.11874	3.46149	15.04848	3.82451	1.6733	1.61897	39.7764082	0.728610426	7.912E-05	0.17931	6.939612	0.5291	2.888969	2.68253462	48.35956
2184	495411.06	3859751.99	3.86437	1.62298	3.03312	3.43818	14.68353	3.67408	1.67241	1.62298	39.6519434	0.730415109	7.694E-05	0.178103	6.771315	0.50829	2.887433	2.68917894	48.0384
2185	495461.06	3859751.99	3.85419	1.63373	2.90178	3.39489	14.26166	3.50257	1.67766	1.63373	39.5474874	0.7352531	7.361E-05	0.17586	6.57677	0.48456	2.896497	2.70699104	47.70951
2186	495511.06	3859751.99	3.84323	1.64427	2.80828	3.35481	13.79442	3.35391	1.68174	1.64427	39.4350278	0.739996581	7.124E-05	0.173784	6.361302	0.464	2.903541	2.72445517	47.35326
2187	495561.06	3859751.99	3.82957	1.64207	2.7587	3.30827	13.32816	3.25128	1.67487	1.64207	39.2948638	0.73900648	6.998E-05	0.171373	6.146286	0.4498	2.89168	2.72080991	46.97227
2188	495611.06	3859751.99	3.81506	1.63489	2.71033	3.26819	12.83952	3.15828	1.66317	1.63489	39.1459781	0.735775153	6.876E-05	0.169297	5.920949	0.43693	2.87148	2.70891309	46.57157
2189	495661.06	3859751.99	3.79934	1.61846	2.68511	3.247	12.3549	3.08253	1.64424	1.61846	38.9846766	0.728380902	6.812E-05	0.168199	5.697467	0.42645	2.838797	2.68168958	46.16235
2190	494311.06	3859801.99	3.94162	1.42473	5.38441	3.81191	16.51237	4.5815	1.70517	1.42473	40.4445985	0.641193556	0.0001366	0.197462	7.614685	0.63383	2.943993	2.36069077	50.11521
2191	494361.06	3859801.99	3.95064	1.45986	5.2014	3.78602	16.24961	4.81273	1.71581	1.45986	40.5371519	0.65700366	0.0001319	0.196121	7.493513	0.66582	2.962363	2.41889904	50.0932
2192	494411.06	3859801.99	3.96025	1.48523	4.98975	3.75758	15.91542	5.03844	1.719	1.48523	40.6357592	0.668421319	0.0001266	0.194648	7.339402	0.69704	2.967871	2.46093559	50.04234
2193	494461.06	3859801.99	3.94412	1.48176	5.11084	3.73837	15.3456	5.23195	1.70247	1.48176	40.4702508	0.66685966	0.0001297	0.193653	7.076629	0.72381	2.939332	2.45518601	49.61548
2194	494511.06	3859801.99	3.92537	1.46103	5.24533	3.71707	14.73076	5.39624	1.67207	1.46103	40.2778588	0.657530214	0.0001331	0.192549	6.793095	0.74654	2.886846	2.42083766	49.13372
2195	494561.06	3859801.99	3.92425	1.47367	5.16749	3.69273	14.22554	5.54061	1.66925	1.47367	40.2663666	0.663218791	0.0001311	0.191289	6.560113	0.76652	2.881977	2.44178137	48.88783
2196	494611.06	3859801.99	3.93825	1.50918	4.8841	3.66306	14.27329	5.68817	1.68263	1.50918	40.4100193	0.679199912	0.0001239	0.189752	6.582133	0.78693	2.905078	2.50061928	49.05262
2197	494661.06	3859801.99	3.9382	1.51971	4.76796	3.63745	14.62713	5.83837	1.67785	1.51971	40.4095062	0.683938893	0.000121	0.188425	6.745306	0.80771	2.896825	2.51806685	49.21377
2198	494711.06	3859801.99	3.94137	1.5358	4.59121	3.60967	14.96843	6.82433	1.6783	1.5358	40.4420333	0.691180128	0.0001165	0.186986	6.902697	0.94411	2.897602	2.54472699	49.52
2199	494761.06	3859801.99	3.92416	1.5137	4.71619	3.59053	15.18922	8.0365	1.64924	1.5137	40.2654431	0.681234119	0.0001196	0.185994	7.004514	1.11181	2.84743	2.50810864	49.58844
2200	494811.06	3859801.99	3.92261	1.51907	4.6	3.56463	15.45104	10.19998	1.64262	1.51907	40.2495387	0.683650864	0.0001167	0.184653	7.125253	1.41112	2.836	2.5170064	49.97332
2201	494861.06	3859801.99	3.91611	1.51317	4.55298	3.54085	15.64877	15.39937	1.62629	1.51317	40.1828428	0.680995595	0.0001155	0.183421	7.216436	2.13043	2.807806	2.50723046	50.69481
2202	494911.06	3859801.99	3.91535	1.52188	4.40727	3.51466	15.85009	8.53352	1.62349	1.52188	40.1750445	0.684915492	0.0001118	0.182064	7.309275	1.18057	2.802972	2.5216624	49.81329
2203	494961.06	3859801.99	3.90957	1.51717	4.33124	3.49089	15.98446	6.44644	1.61056	1.51717	40.1157364	0.682795777	0.0001099	0.180833	7.371239	0.89183	2.780648	2.51385822	49.50934
2204	495011.06	3859801.99	3.90423	1.51299	4.23991	3.4671	16.08391	5.92327	1.59789	1.51299	40.0609432	0.680914586	0.0001076	0.179601	7.417101	0.81946	2.758773	2.50693221	49.40996
2205	495061.06	3859801.99	3.89629	1.50154	4.18737	3.44405	16.12643	5.49751	1.58042	1.50154	39.9794716	0.675761563	0.0001062	0.178407	7.436709	0.76055	2.728611	2.48796026	49.27166
2206	495111.06	3859801.99	3.89223	1.50392	4.05837	3.42018	16.1563	5.11772	1.59216	1.50392	39.9378123	0.676832672	0.000103	0.17717	7.450484	0.70801	2.74888	2.49190378	49.20739
2207	495161.06	3859801.99	3.88657	1.50289	3.94132	3.39657	16.13476	4.77982	1.60473	1.50289	39.8797356	0.676369125	9.998E-05	0.175947	7.44055	0.66126	2.770583	2.49019713	49.11435
2208	495211.06	3859801.99	3.87724	1.51584	3.88678	3.37395	16.05232	4.53628	1.60804	1.51584	39.7840013	0.682197216	9.86E-05	0.174775	7.402533	0.62757	2.776297	2.51165449	48.93582
2209	495261.06	3859801.99	3.87105	1.53778	3.75989	3.35037	15.94587	4.2739	1.62106	1.53778	39.7204863	0.692071218	9.538E-05	0.173554	7.353444	0.59127	2.798777	2.54800773	48.78169
2210	495311.06	3859801.99	3.86056	1.54485	3.71717	3.36514	15.77876	4.09614	1.62135	1.54485	39.6128493	0.695253041	9.43E-05	0.174319	7.276381	0.56668	2.799277	2.55972229	48.56513
2211	495361.06	3859801.99	3.85218	1.55975	3.61214	3.37194	15.58315	3.91506	1.62933	1.55975	39.5268629	0.701958721	9.163E-05	0.174671	7.186175	0.54163	2.813055	2.58441069	48.36003
2212	495411.06	3859801.99	3.84473	1.5777	3.47167	3.35551	15.34818	3.73704	1.6402	1.5777	39.4504192	0.710037041	8.807E-05	0.17382	7.077819	0.517	2.831822	2.61415274	48.14685
2213	495461.06	3859801.99	3.83485	1.58564	3.3798	3.3584	15.06832	3.60378	1.64165	1.58564	39.3490414	0.713610404	8.574E-05	0.17397	6.948761	0.49857	2.834325	2.62730884	47.89105
2214	495511.06	3859801.99	3.82746	1.60177	3.19813	3.30784	14.74308	3.44502	1.65174	1.60177	39.2732133	0.72086964	8.113E-05	0.171351	6.798777	0.4766	2.851746	2.65403526	47.6386
2215	495561.06	3859801.99	3.81558	1.5997	3.13673	3.31545	14.39086	3.35409	1.64501	1.5997	39.1513137	0.719938046	7.957E-05	0.171745	6.63635	0.46402	2.840126	2.6506054	47.33297
2216	495611.06	3859801.99	3.80057	1.58448	3.1487	3.35733	14.0224	3.34812	1.62696	1.58448	38.9972975	0.713088351	7.988E-05	0.173914	6.466435	0.4632	2.808963	2.62538679	46.99759
2217	495661.06	3859801.99	3.7905	1.5889	2.99755	3.30504	13.59531	3.25883	1.62718	1.5889	38.8939702	0.715077553	7.604E-05	0.171206	6.269482	0.45084	2.809343	2.63271046	46.67729
2218	494311.06	3859851.99	3.8703	1.37661	5.1566	3.64253	16.59387	4.6182	1.68662	1.37661	39.7127906	0.619537359	0.0001308	0.188688	7.652269	0.63891	2.911967	2.28095887	49.44333
2219	494361.06	3859851.99	3.87609	1.38971	5.07544	3.61296	16.46976	4.79239	1.68421	1.38971	39.7722012	0.625432957	0.0001288	0.187156	7.595036	0.663	2.907806	2.30266477	49.4481
2220	494411.06	3859851.99	3.88444	1.4126	4.95749	3.59325	16.31882	4.94396	1.68729	1.4126	39.8578798	0.635734502	0.0001258	0.186135	7.52543	0.68397	2.913123	2.3405921	49.46181
2221	494461.06	3859851.99	3.88594	1.43195	4.90071	3.59526	16.0205	5.06121	1.68749	1.43195	39.8732712	0.644442886	0.0001243	0.186239	7.387859	0.70019	2.913469	2.37265387	49.33295
2222	494511.06	3859851.99	3.87442	1.4264	4.97482	3.62473	15.5381	5.12662	1.66597	1.4264	39.7550655	0.641945132	0.0001262	0.187766	7.1654	0.70924	2.876314	2.36345786	48.9724
2223	494561.06	3859851.99	3.85957	1.41697	5.07367	3.64817	14.98512	5.14513	1.64221	1.41697	39.6026911	0.637701202	0.0001287	0.18898	6.910393	0.7118	2.835292	2.34783293	48.53916
2224	494611.06	3859851.99	3.87879	1.46243	4.82417	3.59137	14.7469	5.3607	1.66825	1.46243	39.7999057	0.658160278	0.0001224	0.186038	6.800538	0.74163	2.880251	2.42315738	48.64348
2225	494661.06	3859851.99	3.8698	1.45536	4.86064	3.59318	14.20747	6.09288	1.64813	1.45536	39.7076601	0.654978455	0.0001233	0.186132	6.55178	0.84292	2.845513	2.41144282	48.37766
2226	494711.06	3859851.99	3.87861	1.48459	4.69108	3.54144	13.75729	7.10619	1.65773	1.48459	39.7980587	0.668133289	0.000119	0.183452	6.344179	0.98311	2.862088	2.45987515	48.37926
2227	494761.06	3859851.99	3.86398	1.46562	4.78932	3.54365	13.95074	8.3254	1.63207	1.46562	39.6479417	0.659595923	0.0001215	0.183566	6.433389	1.15178	2.817785	2.42844301	48.46573
2228	494811.06	3859851.99	3.86342	1.47401	4.71732	3.50375	14.27945	10.48065	1.62483	1.47401	39.6421955	0.663371806	0.0001197	0.181499	6.584974	1.44995	2.805285	2.44234473	48.88505
2229	494861.06	3859851.99	3.85649	1.46684	4.7142	3.47125	14.54136	15.28516	1.60669	1.46684	39.5710875	0.660144979	0.0001196	0.179816	6.705753	2.11463	2.773967	2.43046448	49.57505
2230	494911.06	3859851.99	3.85792	1.47301	4.60682	3.41482	14.83406	8.91819	1.60066	1.47301	39.5857606	0.662921761	0.0001169	0.176892	6.840732	1.23379	2.763556	2.44068779	48.82308
2231	494961.06	3859851.99	3.85447	1.46966	4.54868	3.3629	15.06467	6.6318	1.58689	1.46966	39.5503604	0.661414108	0.0001154	0.174203	6.947078	0.91748	2.739782	2.43513705	48.55529
2232	495011.06	3859851.99	3.85112	1.46559	4.48425	3.30608	15.26587	6.10125	1.57251	1.46559	39.5159864	0.659582422	0.0001138	0.17126	7.039861	0.84408	2.714954	2.4283933	48.51744
2233	495061.06	3859851.99	3.84505	1.45449	4.45007	3.2776	15.41008	5.66933	1.55282	1.45449	39.4537027	0.654586915	0.0001129	0.169784	7.106364	0.78432	2.680959	2.41000128	48.43983
2234	495111.06	3859851.99	3.84479	1.45586	4.32695	3.28513	15.57656	5.25813	1.549	1.45586	39.4510348	0.655203478	0.0001098	0.170174	7.183136	0.72744	2.674364	2.41227129	48.44919
2235	495161.06	3859851.99	3.84094	1.4493	4.24368	3.30143	15.6781	4.92721	1.55344	1.4493	39.4115303	0.652251178	0.0001077	0.171019	7.229961	0.68166	2.68203	2.40140177	48.42715
2236	495211.06	3859851.99	3.83576	1.44237	4.17231	3.31771	15.73304	4.65097	1.5583	1.44237	39.3583788	0.649132362	0.0001058	0.171862	7.255297	0.64344	2.690421	2.38991918	48.37872
2237	495261.06	3859851.99	3.83107	1.45919	4.08518	3.3245	15.75639	4.4073	1.56435	1.45919	39.3102552	0.65670213	0.0001036	0.172214	7.266065	0.60973	2.700866	2.41778889	48.29815
2238	495311.06	3859851.99	3.82347	1.4691	4.03818	3.33926	15.71856	4.21981	1.56545	1.4691	39.2322723	0.661162082	0.0001024	0.172978	7.24862	0.58379	2.702765	2.43420916	48.16748

2239	495361.06	3859851.99	3.81655	1.48255	3.96865	3.34124	15.65185	4.05264	1.57202	1.48255	39.1612668	0.667215196	0.0001007	0.173081	7.217856	0.56066	2.714108	2.45649499	48.0378
2240	495411.06	3859851.99	3.81174	1.50255	3.85142	3.32326	15.56416	3.87046	1.58166	1.50255	39.1119118	0.67621611	9.77E-05	0.17215	7.177418	0.53546	2.730752	2.48963377	47.91437
2241	495461.06	3859851.99	3.8061	1.5191	3.73811	3.32623	15.42932	3.7182	1.59043	1.5191	39.0540403	0.683664365	9.483E-05	0.172303	7.115236	0.51439	2.745894	2.51705611	47.76857
2242	495511.06	3859851.99	3.80084	1.54009	3.59579	3.31065	15.25477	3.58414	1.6033	1.54009	39.0000679	0.693110824	9.122E-05	0.171496	7.034743	0.49585	2.768114	2.55183526	47.61164
2243	495561.06	3859851.99	3.78985	1.53883	3.56761	3.3475	15.01731	3.49394	1.59725	1.53883	38.8873006	0.692543766	9.05E-05	0.173405	6.925238	0.48337	2.757668	2.54974752	47.36987
2244	495611.06	3859851.99	3.77923	1.53806	3.52479	3.37267	14.74851	3.47928	1.59164	1.53806	38.7783297	0.692197231	8.942E-05	0.174709	6.801281	0.48134	2.747983	2.54847168	47.12746
2245	495661.06	3859851.99	3.77181	1.54981	3.38838	3.34627	14.45423	3.43119	1.59824	1.54981	38.7021938	0.697485268	8.596E-05	0.173341	6.665573	0.47469	2.759378	2.56794071	46.90481
2246	494311.06	3859901.99	3.7994	1.43625	4.63573	3.51165	16.29443	4.56361	1.68034	1.43625	38.9852922	0.646378082	0.0001176	0.181908	7.514182	0.63135	2.901124	2.37977871	48.48058
2247	494361.06	3859901.99	3.81761	1.35529	4.50747	3.47307	16.49836	4.67061	1.67992	1.35529	39.1721434	0.609942385	0.0001143	0.17991	7.608225	0.64616	2.900399	2.24563293	48.87126
2248	494411.06	3859901.99	3.81103	1.36366	4.5641	3.51625	16.26419	4.72646	1.66955	1.36366	39.1046266	0.613709268	0.0001158	0.182147	7.500237	0.65388	2.882495	2.25950151	48.67771
2249	494461.06	3859901.99	3.81288	1.37313	4.54867	3.53573	16.11836	4.74621	1.66321	1.37313	39.1236093	0.6179712	0.0001154	0.183156	7.432988	0.65661	2.871549	2.27519272	48.61081
2250	494511.06	3859901.99	3.8079	1.37996	4.58531	3.56273	15.81769	4.7191	1.65211	1.37996	39.07251	0.621045012	0.0001163	0.184554	7.294333	0.65286	2.852385	2.28650961	48.3913
2251	494561.06	3859901.99	3.78723	1.39618	4.73512	3.60282	15.24986	4.97516	1.63008	1.39618	38.860417	0.628344753	0.0001201	0.186631	7.032478	0.68829	2.81435	2.31338516	47.89724
2252	494611.06	3859901.99	3.81143	1.4026	4.5347	3.57339	15.29519	5.61073	1.63923	1.4026	39.108731	0.631234046	0.000115	0.185107	7.053382	0.77622	2.830147	2.32402271	48.26091
2253	494661.06	3859901.99	3.79508	1.39178	4.65434	3.59754	14.73394	6.3287	1.61452	1.39178	38.9409651	0.626364552	0.0001181	0.186358	6.794562	0.87554	2.787485	2.30609463	47.9053
2254	494711.06	3859901.99	3.81632	1.42662	4.44699	3.5567	14.60463	7.37287	1.63151	1.42662	39.1589068	0.642044142	0.0001128	0.184242	6.73493	1.02	2.816819	2.36382239	48.19323
2255	494761.06	3859901.99	3.80606	1.41643	4.51598	3.56248	14.07973	8.59216	1.60792	1.41643	39.0536299	0.637458177	0.0001146	0.184541	6.492873	1.18868	2.77609	2.34693818	47.98645
2256	494811.06	3859901.99	3.79512	1.40483	4.58283	3.55722	13.52875	10.47979	1.58387	1.40483	38.9413756	0.632237647	0.0001163	0.184269	6.238788	1.44983	2.734568	2.32771769	47.85346
2257	494861.06	3859901.99	3.7904	1.40069	4.58971	3.53625	13.2483	14.85074	1.56736	1.40069	38.8929441	0.630374458	0.0001164	0.183183	6.109458	2.05453	2.706063	2.32085796	48.25581
2258	494911.06	3859901.99	3.79456	1.41103	4.51373	3.50084	13.60706	8.57794	1.56407	1.41103	38.9356294	0.635027931	0.0001145	0.181348	6.274901	1.18672	2.700383	2.33799071	47.57613
2259	494961.06	3859901.99	3.79066	1.40565	4.5046	3.46728	13.88667	6.80668	1.54846	1.40565	38.8956119	0.632606685	0.0001143	0.17961	6.403843	0.94167	2.673432	2.32907638	47.39781
2260	495011.06	3859901.99	3.79194	1.41464	4.44055	3.42129	14.1844	6.26486	1.54653	1.41464	38.9087459	0.636652595	0.0001126	0.177228	6.541141	0.86671	2.6701	2.34397226	47.45672
2261	495061.06	3859901.99	3.79053	1.4164	4.39576	3.37229	14.43875	5.81601	1.53802	1.4164	38.894278	0.637444676	0.0001115	0.174689	6.658435	0.80462	2.655407	2.34688847	47.47809
2262	495111.06	3859901.99	3.79302	1.42675	4.30143	3.31273	14.70327	5.39911	1.5356	1.42675	38.9198277	0.642102648	0.0001091	0.171604	6.780418	0.74694	2.651229	2.36403779	47.54819
2263	495161.06	3859901.99	3.79343	1.4266	4.21806	3.25067	14.92508	5.06466	1.53064	1.4266	38.9240346	0.642035142	0.000107	0.168389	6.882706	0.70067	2.642665	2.36378925	47.59682
2264	495211.06	3859901.99	3.78664	1.41061	4.21502	3.2242	15.0458	4.82598	1.53058	1.41061	38.8543631	0.634838911	0.0001069	0.167018	6.938376	0.66765	2.642562	2.33729479	47.56762
2265	495261.06	3859901.99	3.7888	1.41202	4.09284	3.22588	15.22771	4.57641	1.53608	1.41202	38.8765266	0.635473476	0.0001038	0.167105	7.022264	0.63312	2.652058	2.33963108	47.64702
2266	495311.06	3859901.99	3.78111	1.41456	4.08831	3.2628	15.28014	4.39983	1.53464	1.41456	38.7976202	0.636616592	0.0001037	0.169018	7.046442	0.60869	2.649572	2.3438397	47.56423
2267	495361.06	3859901.99	3.77779	1.42828	4.01857	3.27504	15.34477	4.21384	1.53699	1.42828	38.763554	0.642791218	0.0001019	0.169652	7.076246	0.58296	2.653629	2.36657291	47.52237
2268	495411.06	3859901.99	3.77599	1.44623	3.91724	3.27294	15.39245	4.0333	1.54384	1.44623	38.7450844	0.650869538	9.937E-05	0.169543	7.098234	0.55799	2.665455	2.39631496	47.49096
2269	495461.06	3859901.99	3.77197	1.45993	3.8384	3.27407	15.38263	3.88082	1.54853	1.45993	38.7038355	0.657035163	9.737E-05	0.169601	7.093705	0.53689	2.673553	2.41901503	47.41571
2270	495511.06	3859901.99	3.76391	1.46397	3.81375	3.28809	15.30043	3.75972	1.54508	1.46397	38.6211326	0.658853348	9.675E-05	0.170328	7.055799	0.52014	2.667596	2.42570906	47.26824
2271	495561.06	3859901.99	3.75553	1.46751	3.78575	3.29967	15.18202	3.65895	1.54281	1.46751	38.5351462	0.66044651	9.604E-05	0.170928	7.001194	0.5062	2.663677	2.43157463	47.10611
2272	495611.06	3859901.99	3.75089	1.48295	3.68838	3.30302	15.0643	3.63471	1.55006	1.48295	38.4875356	0.667395215	9.357E-05	0.171101	6.946907	0.50284	2.676194	2.45715777	46.99491
2273	495661.06	3859901.99	3.74623	1.49834	3.57431	3.29601	14.90707	3.53568	1.55875	1.49834	38.4397198	0.674321417	9.067E-05	0.170738	6.874401	0.48914	2.691198	2.48265806	46.85695
2274	494311.06	3859951.99	3.72244	1.58902	3.97977	3.52539	14.27651	4.39755	1.66717	1.58902	38.1956128	0.715131558	0.000101	0.18262	6.583618	0.60838	2.878386	2.63290929	46.53094
2275	494361.06	3859951.99	3.73149	1.54014	3.96589	3.50093	14.24545	4.41516	1.66541	1.54014	38.288474	0.693133326	0.0001006	0.181353	6.569294	0.61082	2.875347	2.55191811	46.6666
2276	494411.06	3859951.99	3.73776	1.50137	3.96219	3.46436	14.17931	4.39069	1.66197	1.50137	38.3528099	0.675685056	0.0001005	0.179459	6.538794	0.60743	2.869408	2.48767858	46.73601
2277	494461.06	3859951.99	3.73984	1.47719	3.97838	3.42726	15.81358	4.34711	1.65544	1.47719	38.3741526	0.664802952	0.0001009	0.177537	7.292438	0.6014	2.858134	2.4476138	47.52095
2278	494511.06	3859951.99	3.73454	1.47957	4.03777	3.46506	15.61831	4.69218	1.64373	1.47957	38.3197698	0.66587406	0.0001024	0.179495	7.202389	0.64914	2.837917	2.45155731	47.40313
2279	494561.06	3859951.99	3.70797	1.55127	4.2143	3.51123	13.80919	5.19684	1.61218	1.55127	38.0471375	0.698142334	0.0001069	0.181887	6.368113	0.71896	2.783445	2.57035984	46.22743
2280	494611.06	3859951.99	3.73074	1.4593	4.10524	3.51384	15.22478	5.81988	1.62217	1.4593	38.2807783	0.656751635	0.0001041	0.182022	7.020913	0.80515	2.800693	2.41797116	47.32844
2281	494661.06	3859951.99	3.7162	1.49078	4.21064	3.53743	13.40579	6.49863	1.59943	1.49078	38.1315847	0.670919072	0.0001068	0.183244	6.182085	0.89905	2.761432	2.4701316	46.35829
2282	494711.06	3859951.99	3.73507	1.41024	4.10757	3.53326	14.7992	7.42313	1.60338	1.41024	38.3252081	0.634672395	0.0001042	0.183028	6.824656	1.02695	2.768252	2.33668173	47.42619
2283	494761.06	3859951.99	3.73026	1.40918	4.14907	3.54022	14.43115	8.52511	1.58847	1.40918	38.2758531	0.634195346	0.0001053	0.183388	6.65493	1.17941	2.74251	2.33492537	47.33546
2284	494811.06	3859951.99	3.72826	1.39804	4.16869	3.53859	14.0699	10.55825	1.57442	1.39804	38.2553313	0.629181837	0.0001058	0.183304	6.488339	1.46068	2.718252	2.31646707	47.41873
2285	494861.06	3859951.99	3.71946	1.40881	4.22937	3.53244	13.6031	15.87548	1.55456	1.40881	38.1650353	0.634028829	0.0001073	0.182985	6.273074	2.19629	2.683964	2.3343123	47.80118
2286	494911.06	3859951.99	3.72631	1.36728	4.18312	3.51656	13.3029	7.98549	1.54608	1.36728	38.2353225	0.615338433	0.0001061	0.182163	6.134637	1.10475	2.669323	2.26549963	46.67614
2287	494961.06	3859951.99	3.73063	1.37179	4.14612	3.49509	12.93238	6.99557	1.53721	1.37179	38.2796496	0.617368139	0.0001052	0.181051	5.963772	0.9678	2.654009	2.27297242	46.39078
2288	495011.06	3859951.99	3.73243	1.37319	4.11985	3.46929	12.976	6.44376	1.52692	1.37319	38.2981193	0.617998203	0.0001045	0.179714	5.983887	0.89146	2.636243	2.27529214	46.33224
2289	495061.06	3859951.99	3.73084	1.3695	4.11584	3.43921	13.26859	6.00065	1.51157	1.3695	38.2818044	0.616337534	0.0001044	0.178156	6.118815	0.83016	2.609741	2.26917803	46.36594
2290	495111.06	3859951.99	3.73541	1.37575	4.0558	3.40069	13.60494	5.57825	1.50603	1.37575	38.3286968	0.61915032	0.0001029	0.17616	6.273923	0.77172	2.600176	2.2795339	46.4904
2291	495161.06	3859951.99	3.73844	1.38465	3.99793	3.35515	13.90879	5.26947	1.50616	1.38465	38.3597873	0.623155726	0.0001014	0.173801	6.414044	0.72901	2.600401	2.29428066	46.60601
2292	495211.06	3859951.99	3.74058	1.394	3.9398	3.30292	14.18274	4.99618	1.51375	1.394	38.3817457	0.627363653	9.994E-05	0.171096	6.540376	0.6912	2.613505	2.30977304	46.71561
2293	495261.06	3859951.99	3.73911	1.3919	3.90954	3.25155	14.39875	4.77395	1.51576	1.3919	38.3666621	0.626418557	9.918E-05	0.168435	6.639989	0.66045	2.616975	2.30629347	46.77274
2294	495311.06	3859951.99	3.73163	1.37281	3.93455	3.20377	14.52337	4.608	1.51333	1.37281	38.2899105	0.617827185	9.981E-05	0.16596	6.697457	0.63749	2.61278	2.2746625	46.74687
2295	495361.06	3859951.99	3.72805	1.37844	3.91511	3.17642	14.66281	4.44257	1.51304	1.37844	38.2531765	0.620360942	9.932E-05	0.164543	6.76176	0.61461	2.612279	2.28399107	46.74284
2296	495411.06	3859951.99	3.72853	1.39336	3.84639	3.19008	14.81907	4.26353	1.51588	1.39336	38.2581017	0.627075624	9.757E-05	0.165251	6.833819	0.58984	2.617182	2.3087126	46.78265
2297	495461.06	3859951.99	3.72669	1.40523	3.79353	3.20598	14.92224	4.10407	1.51671	1.40523	38.2392217	0.632417666	9.623E-05	0.166074	6.881396	0.56778	2.618615	2.32838046	46.77722

2298	495511.06	3859951.99	3.72447	1.41633	3.73435	3.2169	14.99182	3.95439	1.51763	1.41633	38.2164424	0.637413173	9.473E-05	0.16664	6.913483	0.54707	2.620204	2.34677249	46.75458
2299	495561.06	3859951.99	3.71437	1.4144	3.76772	3.25414	14.93975	3.87092	1.50849	1.4144	38.1128073	0.636544584	9.558E-05	0.168569	6.889471	0.53552	2.604423	2.34357459	46.60386
2300	495611.06	3859951.99	3.71233	1.42483	3.69417	3.25334	14.95125	3.73561	1.50922	1.42483	38.091875	0.641238561	9.371E-05	0.168528	6.894774	0.5168	2.605684	2.36085647	46.55814
2301	495661.06	3859951.99	3.71174	1.44185	3.58763	3.23784	14.94652	3.64746	1.5173	1.44185	38.0858211	0.648898338	9.101E-05	0.167725	6.892593	0.50461	2.619634	2.38905757	46.53031
2302	494311.06	3860001.99	3.64836	1.75508	3.96822	3.7691	14.399	4.12438	1.76548	1.75508	37.4354848	0.789866141	0.0001007	0.195245	6.640104	0.57059	3.048119	2.90806059	45.77145
2303	494361.06	3860001.99	3.65152	1.72391	3.86268	3.70197	14.22209	4.06086	1.73273	1.72391	37.4679092	0.775838217	9.799E-05	0.191767	6.558522	0.5618	2.991576	2.8564138	45.6911
2304	494411.06	3860001.99	3.66664	1.65138	3.73465	3.55048	14.01054	4.13347	1.65877	1.65138	37.6230542	0.743196405	9.474E-05	0.18392	6.460966	0.57185	2.863883	2.73623601	45.71072
2305	494461.06	3860001.99	3.66314	1.64547	3.64059	3.53492	13.95668	4.44853	1.65122	1.64547	37.587141	0.740536636	9.235E-05	0.183114	6.436128	0.61543	2.850848	2.7264435	45.68685
2306	494511.06	3860001.99	3.67016	1.60216	3.52623	3.44293	13.90934	4.90925	1.63654	1.60216	37.6591725	0.721045158	8.945E-05	0.178349	6.414297	0.67917	2.825503	2.65468147	45.82295
2307	494561.06	3860001.99	3.63128	1.71162	3.5587	3.66488	13.84172	5.39113	1.71327	1.71162	37.2602285	0.770307156	9.028E-05	0.189846	6.383114	0.74584	2.957978	2.83605002	45.47135
2308	494611.06	3860001.99	3.64226	1.65979	3.55418	3.55605	13.73168	5.95818	1.66007	1.65979	37.3728932	0.746981289	9.016E-05	0.184208	6.332369	0.82429	2.866128	2.75017087	45.57678
2309	494661.06	3860001.99	3.63995	1.64863	3.6043	3.53087	13.59444	6.57314	1.64711	1.64863	37.3491905	0.74195878	9.143E-05	0.182904	6.269081	0.90936	2.843752	2.73167943	45.56466
2310	494711.06	3860001.99	3.67525	1.51448	3.46515	3.43522	13.41681	7.4936	1.60299	1.51448	37.7114006	0.681585154	8.79E-05	0.177949	6.187167	1.0367	2.767578	2.50940105	46.05307
2311	494761.06	3860001.99	3.65534	1.5646	3.60337	3.46122	13.23115	8.39791	1.57219	1.5646	37.5071059	0.704141443	9.141E-05	0.179296	6.10155	1.16181	2.714402	2.59244684	45.77595
2312	494811.06	3860001.99	3.65057	1.562	3.65829	3.47098	13.01407	10.54427	1.55801	1.562	37.4581614	0.702971324	9.28E-05	0.179802	6.001443	1.45875	2.68992	2.5881388	45.903
2313	494861.06	3860001.99	3.6427	1.56832	3.72567	3.47004	12.77533	14.39943	1.57022	1.56832	37.377408	0.705815613	9.451E-05	0.179753	5.891348	1.99209	2.711001	2.59861065	46.2589
2314	494911.06	3860001.99	3.67228	1.45226	3.59081	3.4749	13.87759	8.17174	1.55279	1.45226	37.6809257	0.653583313	9.109E-05	0.180005	6.399656	1.13052	2.680908	2.40630631	46.31938
2315	494961.06	3860001.99	3.6666	1.45538	3.64582	3.47181	12.22383	7.10867	1.53397	1.45538	37.6226437	0.654987456	9.249E-05	0.179845	5.637024	0.98345	2.648415	2.41147596	45.31498
2316	495011.06	3860001.99	3.6722	1.41764	3.62908	3.46151	13.19006	6.5396	1.52528	1.41764	37.6801048	0.638002732	9.206E-05	0.179311	6.082601	0.90472	2.633411	2.34894308	45.7693
2317	495061.06	3860001.99	3.66536	1.42186	3.68446	3.44633	12.72951	6.15914	1.50404	1.42186	37.6099202	0.639901925	9.347E-05	0.178525	5.870218	0.85209	2.59674	2.35593536	45.39155
2318	495111.06	3860001.99	3.67152	1.38134	3.65565	3.42694	12.39338	5.75577	1.49402	1.38134	37.6731274	0.621666075	9.274E-05	0.17752	5.715212	0.79628	2.579441	2.28879619	45.27455
2319	495161.06	3860001.99	3.67683	1.34407	3.62386	3.40142	12.70891	5.45051	1.48482	1.34407	37.7276128	0.604892873	9.193E-05	0.176198	5.860718	0.75405	2.563557	2.22704207	45.46008
2320	495211.06	3860001.99	3.67071	1.3426	3.66666	3.37092	12.93526	5.23491	1.47946	1.3426	37.664816	0.604231306	9.302E-05	0.174618	5.9651	0.72422	2.554303	2.22460637	45.46278
2321	495261.06	3860001.99	3.67399	1.32933	3.63973	3.33675	13.23814	5.00407	1.48074	1.32933	37.6984718	0.5982592	9.233E-05	0.172848	6.104773	0.69229	2.556513	2.20261879	45.62063
2322	495311.06	3860001.99	3.67228	1.32066	3.64339	3.29709	13.47297	4.81659	1.47925	1.32066	37.6809257	0.594357304	9.242E-05	0.170794	6.213065	0.66635	2.55394	2.18825313	45.69127
2323	495361.06	3860001.99	3.68222	1.33725	3.54665	3.24862	13.83156	4.58363	1.49104	1.33725	37.7829191	0.601823562	8.997E-05	0.168283	6.378429	0.63412	2.574296	2.21574175	45.92422
2324	495411.06	3860001.99	3.67289	1.33136	3.60388	3.20422	13.9351	4.47823	1.48115	1.33136	37.6871848	0.599172793	9.142E-05	0.165983	6.426176	0.61954	2.55722	2.20598238	45.84939
2325	495461.06	3860001.99	3.67248	1.34641	3.58195	3.15075	14.12112	4.33044	1.48495	1.34641	37.6829779	0.60594598	9.087E-05	0.163213	6.51196	0.5991	2.563781	2.23091931	45.89614
2326	495511.06	3860001.99	3.67086	1.3589	3.56261	3.12828	14.27229	4.19572	1.48664	1.3589	37.6663552	0.61156705	9.038E-05	0.162049	6.581672	0.58046	2.566699	2.25161448	45.91728
2327	495561.06	3860001.99	3.66423	1.36068	3.58523	3.16662	14.3259	4.096	1.4797	1.36068	37.5983254	0.612368132	9.095E-05	0.164035	6.606394	0.56666	2.554717	2.25456383	45.84803
2328	495611.06	3860001.99	3.66617	1.38078	3.52336	3.17481	14.47154	3.95481	1.48647	1.38078	37.6182315	0.621414049	8.938E-05	0.16446	6.673556	0.54713	2.566406	2.2878683	45.90342
2329	495661.06	3860001.99	3.66658	1.39175	3.4647	3.18172	14.56842	3.82268	1.48734	1.39175	37.6224385	0.62635105	8.789E-05	0.164818	6.718232	0.52885	2.567908	2.30604492	45.92264
2330	494411.06	3860051.99	3.58703	1.84972	4.21041	4.03117	14.14803	4.24154	1.86824	1.84972	36.8061833	0.832458462	0.0001068	0.20882	6.524369	0.5868	3.225535	3.0648733	45.1194
2331	494461.06	3860051.99	3.59099	1.81439	4.0495	3.95343	13.99099	4.64396	1.83144	1.81439	36.8468165	0.816558349	0.0001027	0.204793	6.45195	0.64247	3.162	3.00633365	45.11836
2332	494511.06	3860051.99	3.59277	1.78731	3.91814	3.89271	13.80091	5.08666	1.80289	1.78731	36.8650809	0.804371112	9.939E-05	0.201648	6.364295	0.70371	3.112708	2.96146374	45.09045
2333	494561.06	3860051.99	3.57091	1.83734	3.86478	3.98767	13.671	5.53493	1.85121	1.83734	36.6407775	0.826886897	9.804E-05	0.206567	6.304387	0.76573	3.196133	3.0443604	44.89622
2334	494611.06	3860051.99	3.56391	1.83772	3.79041	3.98307	13.64346	6.01214	1.84992	1.83772	36.5689511	0.827057914	9.615E-05	0.206329	6.291686	0.83175	3.193906	3.04499003	44.87479
2335	494661.06	3860051.99	3.56141	1.82439	3.70988	3.95136	13.58265	6.52079	1.83496	1.82439	36.5432988	0.821058805	9.411E-05	0.204686	6.263644	0.90212	3.168077	3.02290304	44.88008
2336	494711.06	3860051.99	3.58224	1.74242	3.60098	3.78137	13.49452	7.23245	1.75181	1.74242	36.7570336	0.784168563	9.135E-05	0.19588	6.223003	1.00057	3.024518	2.88708374	45.09818
2337	494761.06	3860051.99	3.57826	1.73585	3.52138	3.76383	13.37487	8.44452	1.74357	1.73585	36.7161951	0.781211763	8.933E-05	0.194972	6.167826	1.16826	3.010291	2.87619765	45.16265
2338	494811.06	3860051.99	3.5649	1.75515	3.45244	3.79904	13.2297	10.70812	1.76093	1.75515	36.5791094	0.789897644	8.758E-05	0.196796	6.100881	1.48142	3.040263	2.90817658	45.28027
2339	494861.06	3860051.99	3.55445	1.76369	3.37894	3.81272	13.05238	11.8622	1.7675	1.76369	36.4718829	0.793741034	8.572E-05	0.197504	6.01911	1.64108	3.051607	2.92232684	45.25268
2340	494911.06	3860051.99	3.5684	1.7075	3.278	3.69535	12.85753	7.98513	1.7101	1.7075	36.6150226	0.768452968	8.316E-05	0.191424	5.929255	1.1047	2.952505	2.82922343	44.73222
2341	494961.06	3860051.99	3.58321	1.64603	3.17278	3.56654	12.63338	7.35236	1.64753	1.64603	36.7669866	0.740788661	8.049E-05	0.184752	5.825888	1.01716	2.844477	2.72737139	44.65276
2342	495011.06	3860051.99	3.59297	1.59758	3.14441	3.4642	12.38936	6.75363	1.59785	1.59758	36.8671331	0.718983949	7.977E-05	0.17945	5.713358	0.93433	2.758704	2.64709269	44.52495
2343	495061.06	3860051.99	3.59696	1.56665	3.15977	3.40276	12.12542	6.27325	1.56549	1.56665	36.9080741	0.705064037	8.016E-05	0.176268	5.591642	0.86787	2.702834	2.59584356	44.35599
2344	495111.06	3860051.99	3.6082	1.51108	3.13415	3.40205	11.84278	5.81917	1.50881	1.51108	37.0234067	0.680054999	7.951E-05	0.176231	5.461302	0.80505	2.604976	2.50376746	44.24734
2345	495161.06	3860051.99	3.61082	1.48331	3.14707	3.3915	11.54623	5.54805	1.4796	1.48331	37.0502903	0.667557231	7.983E-05	0.175684	5.324548	0.76755	2.554544	2.45775426	44.0825
2346	495211.06	3860051.99	3.61631	1.44498	3.13988	3.37774	12.29506	5.30165	1.47117	1.44498	37.1066227	0.650306981	7.965E-05	0.174972	5.669871	0.73346	2.53999	2.39424379	44.48106
2347	495261.06	3860051.99	3.61476	1.43091	3.16913	3.35631	12.08486	5.12163	1.46874	1.43091	37.0907183	0.643974838	8.039E-05	0.173862	5.572938	0.70855	2.535794	2.37093066	44.35499
2348	495311.06	3860051.99	3.61084	1.42458	3.20947	3.32864	12.31788	4.9666	1.4652	1.42458	37.0504955	0.641126049	8.142E-05	0.172428	5.680395	0.6871	2.529683	2.36044223	44.40087
2349	495361.06	3860051.99	3.60996	1.40644	3.22795	3.29772	12.5663	4.81504	1.46172	1.40644	37.0414659	0.632962221	8.189E-05	0.170826	5.794954	0.66614	2.523674	2.33038536	44.49972
2350	495411.06	3860051.99	3.61062	1.3827	3.23419	3.26493	12.81731	4.6652	1.45867	1.3827	37.0482381	0.622278137	8.204E-05	0.169128	5.910707	0.64541	2.518409	2.29104963	44.6232
2351	495461.06	3860051.99	3.61327	1.35151	3.22406	3.22748	13.08208	4.51957	1.45727	1.35151	37.0754295	0.608241213	8.179E-05	0.167188	6.032806	0.62526	2.515991	2.2393697	44.78563
2352	495511.06	3860051.99	3.61009	1.33962	3.24646	3.18354	13.25068	4.40771	1.45216	1.33962	37.0427998	0.60289017	8.236E-05	0.164912	6.110556	0.60979	2.507169	2.21966869	44.81853
2353	495561.06	3860051.99	3.60977	1.31669	3.246	3.13924	13.44536	4.28256	1.44896	1.31669	37.0395163	0.592570623	8.234E-05	0.162617	6.200333	0.59247	2.501644	2.18167508	44.90756
2354	495611.06	3860051.99	3.61153	1.31952	3.22632	3.08984	13.65273	4.15978	1.44802	1.31952	37.0575755	0.593844252	8.184E-05	0.160058	6.295961	0.57549	2.500021	2.18636422	44.99666
2355	495661.06	3860051.99	3.6168	1.33657	3.17193	3.0754	13.89863	4.01555	1.45547	1.33657	37.1116505	0.601517531	8.046E-05	0.15931	6.409358	0.55553	2.512884	2.21461503	45.13572
2356	494411.06	3860101.99	3.53539	1.95857	4.81213	4.30926	14.07541	4.42844	1.98475	1.95857	36.27631	0.881445932	0.0001221	0.223226	6.49088	0.61265	3.426691	3.24523112	44.6661

2357	494461.06	3860101.99	3.5149	2.00307	4.74772	4.38959	13.99508	4.80355	2.02805	2.00307
2358	494511.06	3860101.99	3.52982	1.9294	4.57486	4.23454	13.89956	5.21325	1.95326	1.9294
2359	494561.06	3860101.99	3.51967	1.94037	4.47766	4.24859	13.75653	5.60632	1.96298	1.94037
2360	494611.06	3860101.99	3.4969	1.98614	4.41388	4.33158	13.57023	5.97724	2.00712	1.98614
2361	494661.06	3860101.99	3.48995	1.98224	4.30381	4.31612	13.36401	6.40613	2.00179	1.98224
2362	494711.06	3860101.99	3.50653	1.91464	4.12999	4.17627	13.36105	7.17239	1.93328	1.91464
2363	494761.06	3860101.99	3.50297	1.90379	4.01275	4.14835	13.31776	8.56679	1.92104	1.90379
2364	494811.06	3860101.99	3.49782	1.89695	3.90087	4.12869	13.24148	11.09455	1.91267	1.89695
2365	494861.06	3860101.99	3.45797	1.95585	3.87185	4.2362	13.10401	11.59109	1.9685	1.95585
2366	494911.06	3860101.99	3.51198	1.8182	3.60966	3.96174	13.02349	8.04187	1.83151	1.8182
2367	494961.06	3860101.99	3.5118	1.79923	3.50895	3.91907	12.86944	7.4643	1.81113	1.79923
2368	495011.06	3860101.99	3.52202	1.75105	3.42859	3.81845	12.69028	6.80372	1.76178	1.75105
2369	495061.06	3860101.99	3.53	1.70892	3.34821	3.72968	12.48684	6.34508	1.71846	1.70892
2370	495111.06	3860101.99	3.54385	1.64717	3.25826	3.60121	12.26003	5.9246	1.65568	1.64717
2371	495161.06	3860101.99	3.54162	1.63584	3.18738	3.5745	12.01671	5.69387	1.6429	1.63584
2372	495211.06	3860101.99	3.54485	1.60708	3.10876	3.51263	11.75425	5.45971	1.61284	1.60708
2373	495261.06	3860101.99	3.54831	1.57725	3.02912	3.44855	11.47605	5.22615	1.58172	1.57725
2374	495311.06	3860101.99	3.54878	1.55672	2.95338	3.40348	11.184	5.0625	1.5598	1.55672
2375	495361.06	3860101.99	3.54469	1.55112	2.88471	3.38899	10.88125	4.93654	1.55265	1.55112
2376	495411.06	3860101.99	3.54782	1.52133	2.80485	3.32514	10.93621	4.77881	1.52157	1.52133
2377	495461.06	3860101.99	3.55806	1.46706	2.74472	3.25747	11.07224	4.61496	1.46626	1.46706
2378	495511.06	3860101.99	3.55331	1.46304	2.79197	3.22222	11.19471	4.52477	1.46069	1.46304
2379	495561.06	3860101.99	3.5487	1.45724	2.83542	3.18521	11.30064	4.43714	1.45331	1.45724
2380	495611.06	3860101.99	3.55773	1.40462	2.80221	3.15604	12.71234	4.29847	1.4349	1.40462
2381	495661.06	3860101.99	3.55782	1.38198	2.81408	3.11648	12.9103	4.2037	1.4297	1.38198
2382	494861.06	3860151.99	3.36296	2.12044	4.45028	4.52786	12.94734	12.39794	2.13646	2.12044
2383	494911.06	3860151.99	3.42933	1.99074	4.2489	4.28984	12.98112	8.23123	2.00993	1.99074
2384	494961.06	3860151.99	3.43773	1.95054	4.11986	4.2086	12.90579	7.5344	1.96904	1.95054
2385	495011.06	3860151.99	3.44871	1.9031	3.98157	4.11364	12.8051	7.00195	1.9208	1.9031
2386	495061.06	3860151.99	3.45897	1.85657	3.84235	4.01971	12.67584	6.56843	1.87352	1.85657
2387	495111.06	3860151.99	3.46385	1.8245	3.71683	3.95358	12.51836	6.26276	1.84043	1.8245
2388	495161.06	3860151.99	3.46647	1.79873	3.59778	3.89987	12.33501	5.98485	1.81358	1.79873
2389	495211.06	3860151.99	3.47236	1.76371	3.46938	3.82819	12.12953	5.73679	1.77754	1.76371
2390	495261.06	3860151.99	3.47363	1.742	3.35571	3.7825	11.90258	5.52947	1.7547	1.742
2391	495311.06	3860151.99	3.47546	1.71838	3.2499	3.73315	11.65894	5.36171	1.72992	1.71838
2392	495361.06	3860151.99	3.4759	1.69894	3.18846	3.69203	11.39797	5.19609	1.70929	1.69894
2393	495411.06	3860151.99	3.4795	1.67017	3.12296	3.63256	11.12304	5.04158	1.6794	1.67017
2394	495461.06	3860151.99	3.48202	1.6441	3.05729	3.57845	10.83433	4.90491	1.65219	1.6441
2395	495511.06	3860151.99	3.48835	1.60643	2.98645	3.50127	10.58633	4.75	1.61349	1.60643
2396	495561.06	3860151.99	3.48791	1.58883	2.92227	3.46391	10.73529	4.63552	1.59463	1.58883
2397	495611.06	3860151.99	3.49287	1.55396	2.8508	3.39194	10.86687	4.50747	1.55871	1.55396
2398	495661.06	3860151.99	3.49917	1.51374	2.77625	3.30898	10.979	4.38297	1.51749	1.51374
2399	495718.25	3859442.96	3.63226	1.3176	1.72962	2.57167	13.61796	3.5978	1.32714	1.3176
2400	495818.25	3859442.96	3.56238	1.19636	1.68889	2.57605	13.28968	3.75472	1.20436	1.19636
2401	495918.25	3859442.96	3.49791	1.06901	1.6501	2.57536	13.09102	3.83424	1.07608	1.06901
2402	496018.25	3859442.96	3.4365	0.94428	1.61301	2.56957	12.88683	3.96684	0.9505	0.94428
2403	496118.25	3859442.96	3.40043	0.82871	1.57998	2.56065	13.34008	4.13412	0.83412	0.82871
2404	496218.25	3859442.96	3.35856	0.8129	1.55944	2.54693	13.55438	4.2867	0.78128	0.8129
2405	496318.25	3859442.96	3.30227	0.80557	1.53166	2.52602	13.132	4.40403	0.75614	0.80557
2406	496418.25	3859442.96	3.24567	0.79839	1.49958	2.50097	12.59379	4.41978	0.76457	0.79839
2407	495718.25	3859542.96	3.75889	1.48941	1.9054	2.41476	14.52145	2.68168	1.50045	1.48941
2408	495818.25	3859542.96	3.70763	1.38459	1.86812	2.44478	14.29336	2.84207	1.3951	1.38459
2409	495918.25	3859542.96	3.65323	1.27463	1.83019	2.4692	13.89846	3.01728	1.28329	1.27463
2410	496018.25	3859542.96	3.59764	1.15629	1.79273	2.48964	13.94515	3.15254	1.16428	1.15629
2411	496118.25	3859542.96	3.55056	1.03724	1.75838	2.50744	14.60609	3.19137	1.0444	1.03724
2412	496218.25	3859542.96	3.50003	0.92552	1.72395	2.51923	14.9601	3.22484	0.93174	0.92552
2413	496318.25	3859542.96	3.44875	0.84277	1.68985	2.52545	15.08081	3.3259	0.82578	0.84277
2414	496418.25	3859542.96	3.3948	0.83446	1.65503	2.52452	14.72189	3.39672	0.79408	0.83446
2415	495718.25	3859642.96	3.75563	1.57934	2.10057	2.64727	14.23526	2.80133	1.59434	1.57934

36.066064	0.901472964	0.0001204	0.227387	6.453836	0.66455	3.501449	3.31896491	44.49591		
36.2191568	0.8683181	0.0001161	0.219355	6.409787	0.72123	3.372323	3.19689821	44.61339		
36.1150086	0.873255101	0.0001136	0.220083	6.343829	0.77561	3.389105	3.21507483	44.50193		
35.8813677	0.893853691	0.000112	0.224382	6.257916	0.82692	3.465313	3.29091293	44.25895		
35.8100544	0.892098513	0.0001092	0.223581	6.162818	0.88626	3.456111	3.28445086	44.14658		
35.9801802	0.861675426	0.0001048	0.216337	6.161453	0.99227	3.337828	3.17244178	44.3774		
35.9436514	0.856792431	0.0001018	0.21489	6.14149	1.18517	3.316695	3.154464	44.50433		
35.8908077	0.853714119	9.896E-05	0.213872	6.106313	1.53488	3.302244	3.14313053	44.7588		
35.4819106	0.880221808	9.822E-05	0.219441	6.042919	1.60357	3.398635	3.24072424	44.38607		
36.0361022	0.818273023	9.157E-05	0.205224	6.005787	1.11255	3.162121	3.01264658	44.3275		
36.0342552	0.809735657	8.901E-05	0.203013	5.934747	1.03265	3.126934	2.98121445	44.16021		
36.1391217	0.788052457	8.698E-05	0.197801	5.852127	0.94126	3.041731	2.90138313	44.0588		
36.2210037	0.769092033	8.494E-05	0.193203	5.758311	0.87781	2.966939	2.83157628	43.95487		
36.3631173	0.741301713	8.265E-05	0.186548	5.653717	0.81964	2.858548	2.7292603	43.89369		
36.3402355	0.736202696	8.086E-05	0.185164	5.54151	0.78772	2.836484	2.71048718	43.71691		
36.3733782	0.723259383	7.886E-05	0.181959	5.420477	0.75532	2.784585	2.66283361	43.57623		
36.408881	0.709834521	7.684E-05	0.17864	5.292185	0.72301	2.730856	2.61340712	43.43008		
36.4137036	0.700595083	7.492E-05	0.176305	5.157506	0.70037	2.693011	2.57939016	43.26218		
36.3717365	0.698074827	7.318E-05	0.175554	5.017892	0.68295	2.680666	2.5701113	43.05683		
36.4038531	0.684667967	7.115E-05	0.172247	5.043237	0.66112	2.627006	2.52075109	43.07146		
36.5089248	0.660243989	6.963E-05	0.168741	5.105967	0.63846	2.531513	2.430829	43.18309		
36.4601855	0.658434805	7.083E-05	0.166915	5.162445	0.62598	2.521896	2.42416811	43.17176		
36.4128827	0.655824541	7.193E-05	0.164998	5.211294	0.61386	2.509154	2.41455786	43.15352		
36.5055387	0.632143138	7.109E-05	0.163487	5.8623	0.59467	2.477369	2.32736973	43.90821		
36.5064622	0.621954104	7.139E-05	0.161438	5.953589	0.58156	2.468392	2.28985663	44.00361		
34.5070217	0.954294824	0.0001129	0.234549	5.97067	1.71519	3.68862	3.51343984	43.55702		
35.1880382	0.895923901	0.0001078	0.22222	5.986248	1.13875	3.470165	3.29853485	43.60292		
35.2742298	0.877832066	0.0001045	0.218011	5.95151	1.04235	3.399568	3.2319259	43.53168		
35.3868946	0.8564819	0.000101	0.213092	5.905076	0.96869	3.316281	3.15332071	43.49329		
35.4921715	0.835541275	9.747E-05	0.208227	5.845468	0.90871	3.234651	3.07622333	43.44864		
35.5422447	0.821108311	9.429E-05	0.204801	5.772846	0.86642	3.177521	3.0230853	43.36195		
35.5691283	0.809510634	9.127E-05	0.202019	5.688294	0.82797	3.131164	2.98038598	43.2478		
35.629565	0.793750035	8.801E-05	0.198306	5.593537	0.79366	3.068941	2.92235997	43.15548		
35.6425964	0.783979543	8.513E-05	0.195939	5.488879	0.76498	3.029507	2.88638783	43.01957		
35.6613738	0.773349465	8.244E-05	0.193382	5.376524	0.74177	2.986724	2.84725093	42.88595		
35.6658886	0.764600577	8.088E-05	0.191252	5.256178	0.71885	2.951107	2.81504003	42.73292		
35.7028279	0.751652763	7.922E-05	0.188172	5.129394	0.69748	2.899501	2.7673699	42.60173		
35.7286854	0.739920073	7.756E-05	0.185369	4.996255	0.67857	2.852523	2.72417349	42.45723		
35.7936369	0.722966853	7.576E-05	0.181371	4.88189	0.65714	2.785707	2.6617566	42.36103		
35.7891221	0.715046049	7.413E-05	0.179435	4.950583	0.6413	2.753145	2.63259447	42.39611		
35.8400162	0.699352957	7.232E-05	0.175707	5.011261	0.62359	2.691129	2.57481701	42.46631		
35.90466	0.681252121	7.043E-05	0.17141	5.06297	0.60636	2.619962	2.50817492	42.53851		
37.2702842	0.592980164	4.388E-05	0.133216	6.279927	0.49774	2.291321	2.18318289	44.88233		
36.5532519	0.538416628	4.284E-05	0.133443	6.128541	0.51945	2.07934	1.9822956	43.97019		
35.8917312	0.481103313	4.186E-05	0.133407	6.036929	0.53045	1.857863	1.77128442	43.16024		
35.2616089	0.424969118	4.092E-05	0.133107	5.942766	0.54879	1.641048	1.56461441	42.38772		
34.8914979	0.372957341	4.008E-05	0.132645	6.151783	0.57194	1.440117	1.37312196	42.18785		
34.4618737	0.365842119	3.956E-05	0.131935	6.250607	0.59304	1.348888	1.34692575	41.8053		
33.8842873	0.362543284	3.885E-05	0.130851	6.055827	0.60928	1.305483	1.33478039	41.01353		
33.3035199	0.359311956	3.804E-05	0.129554	5.807631	0.61145	1.320038	1.32288357	40.20866		
38.5696229	0.67030251	4.834E-05	0.125088	6.696572	0.371	2.590542	2.46786159	46.55531		
38.0436488	0.623128723	4.739E-05	0.126643	6.591388	0.39319	2.408654	2.29418124	45.89252		
37.4854554	0.573641702	4.643E-05	0.127908	6.40928	0.41743	2.215613	2.11198422	45.11739		
36.9150515	0.520383299	4.548E-05	0.128967	6.430811	0.43614	2.010141	1.91590206	44.52564		
36.431968	0.466805363	4.461E-05	0.129889	6.735604	0.44151	1.803167	1.71864346	44.29034		
35.9134843	0.416526261	4.373E-05	0.1305	6.898855	0.44614	1.608659	1.53353023	43.88068		
35.387305	0.379284983	4.287E-05	0.130822	6.954521	0.46012	1.425718	1.39641852	43.3414		
34.833729	0.375545103	4.198E-05	0.130774	6.789005	0.46992	1.370987	1.38264936	42.58735		
38.5361723	0.710775116	5.329E-05	0.137132	6.564595	0.38755	2.752644	2.61687012	46.47205		

2416	495818.25	3859642.96	3.71306	1.50848	2.00006	2.42014	14.37647	2.65329	1.52179	1.50848	38.0993655	0.67888488	5.074E-05	0.125367	6.629714	0.36707	2.627386	2.49945942	46.02838
2417	495918.25	3859642.96	3.72717	1.41768	1.97067	2.34122	14.51145	2.54884	1.4296	1.41768	38.2441469	0.638020734	4.999E-05	0.121278	6.69196	0.35262	2.468219	2.34900935	46.16729
2418	496018.25	3859642.96	3.68687	1.32259	1.93943	2.31287	14.45235	2.50897	1.33317	1.32259	37.8306323	0.595225892	4.92E-05	0.11981	6.664706	0.3471	2.301732	2.19145102	45.66781
2419	496118.25	3859642.96	3.58468	1.20751	2.00319	2.43091	14.69109	2.59699	1.21712	1.20751	36.7820702	0.543434637	5.082E-05	0.125925	6.774801	0.35928	2.10137	2.00077047	44.68616
2420	496218.25	3859642.96	3.54125	1.10114	2.09002	2.52568	14.9496	2.68283	1.10992	1.10114	36.336439	0.49556328	5.302E-05	0.130834	6.894013	0.37116	1.916288	1.82452187	44.31983
2421	496318.25	3859642.96	3.49616	0.99971	2.02411	2.48333	15.17618	2.76338	1.00745	0.99971	35.8737746	0.449915149	5.135E-05	0.12864	6.998501	0.3823	1.739373	1.65645854	43.9161
2422	496418.25	3859642.96	3.50162	0.8995	1.80922	2.42437	14.41789	2.87652	0.90535	0.8995	35.9297992	0.404816073	4.59E-05	0.125586	6.648815	0.39795	1.563096	1.49041668	43.57969
2423	495718.25	3859742.96	3.78209	1.60288	2.60079	3.20151	12.67511	2.98548	1.625	1.60288	38.8076759	0.721369191	6.598E-05	0.165843	5.845132	0.41303	2.805579	2.65587447	46.10282
2424	495818.25	3859742.96	3.75072	1.56734	2.46074	3.03692	13.12286	2.83428	1.58556	1.56734	38.4857913	0.705374568	6.242E-05	0.157317	6.051612	0.39211	2.737485	2.59698685	45.93276
2425	495918.25	3859742.96	3.71492	1.50924	2.37293	2.86479	13.54663	2.75015	1.5249	1.50924	38.1184508	0.679226915	6.02E-05	0.1484	6.247033	0.38047	2.632755	2.50071869	45.70568
2426	496018.25	3859742.96	3.67737	1.44125	2.27451	2.74164	13.86028	2.59932	1.45501	1.44125	37.7331537	0.648628311	5.77E-05	0.142021	6.391673	0.3596	2.51209	2.38806341	45.39916
2427	496118.25	3859742.96	3.63985	1.34059	2.34675	2.83697	14.31167	2.76074	1.35333	1.34059	37.3481644	0.603326714	5.953E-05	0.146959	6.599832	0.38193	2.336538	2.22127592	45.19554
2428	496218.25	3859742.96	3.59691	1.2341	2.45018	3.00806	14.64194	2.93178	1.24621	1.2341	36.9075611	0.555401352	6.216E-05	0.155822	6.752136	0.4056	2.151594	2.04482848	44.88335
2429	496318.25	3859742.96	3.56047	1.16626	2.16665	2.53874	14.46689	2.53301	1.176	1.16626	36.5336536	0.524870254	5.496E-05	0.13151	6.671412	0.35043	2.030376	1.93242174	44.30988
2430	496418.25	3859742.96	3.51759	1.07307	1.9346	2.25988	14.06064	2.46161	1.0814	1.07307	36.0936659	0.482930499	4.908E-05	0.117065	6.484069	0.34055	1.867048	1.77801159	43.60737
2431	495718.25	3859842.96	3.76354	1.5536	3.24799	3.34319	13.92189	3.3812	1.59514	1.5536	38.6173361	0.699190941	8.239E-05	0.173182	6.420085	0.46777	2.754025	2.57422051	46.55745
2432	495818.25	3859842.96	3.74039	1.53833	3.09174	3.31627	13.11864	3.31895	1.5728	1.53833	38.3797961	0.692318743	7.843E-05	0.171787	6.049666	0.45916	2.715455	2.54891905	45.91934
2433	495918.25	3859842.96	3.71588	1.51255	2.9272	3.26342	12.21553	3.19315	1.54127	1.51255	38.1283012	0.680716566	7.426E-05	0.16905	5.633196	0.44176	2.661018	2.50620316	45.20791
2434	496018.25	3859842.96	3.68632	1.4603	2.87975	3.25287	12.15684	3.15147	1.48556	1.4603	37.8249888	0.65720168	7.305E-05	0.168503	5.606131	0.43599	2.564834	2.4196281	44.83809
2435	496118.25	3859842.96	3.64333	1.35017	3.11335	3.37363	12.77344	3.36977	1.37396	1.35017	37.3838724	0.607638152	7.898E-05	0.174759	5.890476	0.46619	2.372156	2.2371494	44.65802
2436	496218.25	3859842.96	3.62632	1.34638	2.67116	3.11702	13.1394	3.02912	1.36362	1.34638	37.2093344	0.605932479	6.776E-05	0.161466	6.059239	0.41906	2.354304	2.2308696	44.57854
2437	496318.25	3859842.96	3.59866	1.33661	2.04646	2.52908	12.92666	2.42049	1.34808	1.33661	36.9255177	0.601535532	5.191E-05	0.13101	5.961134	0.33486	2.327474	2.21468131	44.0669
2438	496418.25	3859842.96	3.64155	1.27485	2.00844	2.15443	12.62216	2.38393	1.28431	1.27485	37.365608	0.573740712	5.095E-05	0.111602	5.820714	0.32981	2.217374	2.11234875	44.30655
2439	495718.25	3859942.96	3.70946	1.45019	3.57517	3.26649	14.8138	3.63808	1.51709	1.45019	38.0624262	0.652651719	9.069E-05	0.169209	6.831389	0.50331	2.619271	2.40287644	46.43547
2440	495818.25	3859942.96	3.69742	1.46316	3.44449	3.28834	14.48046	3.55338	1.51784	1.46316	37.9388849	0.658488811	8.738E-05	0.170341	6.677669	0.49159	2.620566	2.42436694	46.13326
2441	495918.25	3859942.96	3.67869	1.44884	3.3959	3.33987	13.97117	3.49587	1.4944	1.44884	37.7466981	0.652044157	8.615E-05	0.17301	6.44281	0.48364	2.580097	2.40063957	45.67774
2442	496018.25	3859942.96	3.64625	1.37571	3.55479	3.47426	13.2757	3.59431	1.41765	1.37571	37.4138342	0.619132318	9.018E-05	0.179972	6.122094	0.49726	2.447587	2.27946762	45.0005
2443	496118.25	3859942.96	3.63885	1.40288	3.23978	3.36577	12.64051	3.40678	1.43553	1.40288	37.3379035	0.631360058	8.219E-05	0.174352	5.829176	0.47131	2.478457	2.32448666	44.59815
2444	496218.25	3859942.96	3.63463	1.44806	2.64107	3.08025	11.71736	3.02788	1.47047	1.44806	37.2946025	0.651693121	6.7E-05	0.159561	5.403465	0.41889	2.538781	2.39934716	44.06772
2445	496318.25	3859942.96	3.6155	1.44924	2.19174	2.73564	11.05298	2.56546	1.46407	1.44924	37.0983113	0.652224175	5.56E-05	0.14171	5.097086	0.35492	2.527732	2.40130235	43.47073
2446	496418.25	3859942.96	3.66162	1.43784	2.04953	2.21678	10.81782	2.50789	1.4488	1.43784	37.5715444	0.647093655	5.199E-05	0.114832	4.988642	0.34695	2.501368	2.38241325	43.78807
2447	496856.82	3858864.83	3.25458	0.66467	1.71023	1.57467	10.39026	5.23569	0.66886	0.66467	33.3949446	0.29913185	4.338E-05	0.08157	4.791472	0.72433	1.154794	1.10131768	39.34497
2448	496956.82	3858864.83	3.24667	0.64125	1.70231	1.55933	10.18427	4.88923	0.64642	0.64125	33.3137808	0.288591781	4.318E-05	0.080775	4.69648	0.6764	1.116051	1.06251217	39.10961
2449	497056.82	3858864.83	3.23894	0.63892	1.69408	1.54958	9.96878	4.54199	0.62312	0.63892	33.234464	0.287543174	4.298E-05	0.08027	4.597106	0.62836	1.075823	1.0586515	38.84496
2450	497156.82	3858864.83	3.23033	0.63824	1.68566	1.53385	9.73973	4.07706	0.60286	0.63824	33.1461176	0.287237143	4.276E-05	0.079456	4.49148	0.56404	1.040844	1.05752478	38.55169
2451	497256.82	3858864.83	3.22486	0.63786	1.67666	1.53941	9.50852	3.76794	0.60292	0.63786	33.0899904	0.287066126	4.253E-05	0.079744	4.384857	0.52128	1.040947	1.05689514	38.34703
2452	496856.82	3858964.83	3.17002	0.70124	1.79182	1.62473	10.87685	4.70412	0.70763	0.70124	32.5272822	0.31559002	4.545E-05	0.084163	5.015863	0.65079	1.22173	1.16191194	38.65355
2453	496956.82	3858964.83	3.16059	0.68173	1.77731	1.60715	10.76019	4.38255	0.68769	0.68173	32.4305219	0.306809629	4.509E-05	0.083253	4.962065	0.6063	1.187304	1.12958506	38.44672
2454	497056.82	3858964.83	3.15273	0.66093	1.76263	1.59651	10.62741	4.05398	0.66651	0.66093	32.3498711	0.297448679	4.471E-05	0.082701	4.900834	0.56085	1.150736	1.09512073	38.24736
2455	497156.82	3858964.83	3.14488	0.65079	1.74796	1.58655	10.47973	3.70398	0.64433	0.65079	32.269323	0.292885216	4.434E-05	0.082186	4.832731	0.51243	1.112442	1.07831937	38.02372
2456	497256.82	3858964.83	3.14345	0.65073	1.73264	1.59054	10.32287	3.5163	0.62772	0.65073	32.2546499	0.292858214	4.395E-05	0.082392	4.760395	0.48646	1.083765	1.07821995	37.88235
2457	496856.82	3859064.83	3.07888	0.73104	1.80499	1.70611	10.81822	3.92524	0.7386	0.73104	31.5921031	0.329001381	4.579E-05	0.088379	4.988826	0.54304	1.2752	1.21128872	37.6053
2458	496956.82	3859064.83	3.07138	0.71516	1.7851	1.68799	10.80881	3.82615	0.72216	0.71516	31.5151463	0.321854656	4.528E-05	0.08744	4.984487	0.52933	1.246817	1.18497653	37.50014
2459	497056.82	3859064.83	3.06479	0.69769	1.76539	1.66479	10.77849	3.73398	0.7042	0.69769	31.4475269	0.313992358	4.478E-05	0.086238	4.970505	0.51658	1.215808	1.15602981	37.39466
2460	497156.82	3859064.83	3.05877	0.67883	1.74588	1.651	10.72973	3.64861	0.68663	0.67883	31.3857563	0.305504497	4.429E-05	0.085524	4.948019	0.50477	1.185474	1.12477994	37.29031
2461	497256.82	3859064.83	3.06084	0.6662	1.72592	1.65194	10.67118	3.56941	0.66476	0.6662	31.4069963	0.29982042	4.378E-05	0.085573	4.921018	0.49381	1.147715	1.1038528	37.25112
2462	496856.82	3859164.83	2.98781	0.75245	1.74139	1.8292	10.23433	4.48474	0.76156	0.75245	30.6576423	0.338636858	4.418E-05	0.094755	4.719565	0.62044	1.314841	1.24676379	36.49916
2463	496956.82	3859164.83	2.98073	0.74044	1.71874	1.80072	10.32668	4.19307	0.74882	0.74044	30.584995	0.33323181	4.36E-05	0.09328	4.762152	0.58009	1.292845	1.22686395	36.41977
2464	497056.82	3859164.83	2.97702	0.72675	1.69629	1.77688	10.40586	3.93912	0.73448	0.72675	30.5469271	0.327070685	4.303E-05	0.092045	4.798666	0.54496	1.268087	1.20418046	36.37362
2465	497156.82	3859164.83	2.97713	0.71155	1.67399	1.75772	10.46518	3.67121	0.71872	0.71155	30.5480558	0.320229991	4.247E-05	0.091052	4.826022	0.50789	1.240877	1.17899498	36.35518
2466	497256.82	3859164.83	2.98321	0.69478	1.65182	1.74647	10.51218	3.18445	0.70146	0.69478	30.6104421	0.312682725	4.19E-05	0.09047	4.847696	0.44055	1.211078	1.15120811	36.36175
2467	496856.82	3859264.83	2.90317	0.76661	1.60619	2.00227	9.20715	4.96288	0.77574	0.76661	29.789159	0.345009505	4.075E-05	0.10372	4.245881	0.68659	1.339323	1.27022605	35.2395
2468	496956.82	3859264.83	2.90168	0.75707	1.58321	1.97242	9.40093	4.50836	0.76941	0.75707	29.7738703	0.340716069	4.016E-05	0.102174	4.335242	0.62371	1.328394	1.25441885	35.24973
2469	497056.82	3859264.83	2.90391	0.7476	1.5606	1.94183	9.57513	3.98483	0.75911	0.7476	29.7967521	0.336454137	3.959E-05	0.10059	4.415575	0.55128	1.310611	1.23872763	35.27258
2470	497156.82	3859264.83	2.90557	0.74024	1.53859	1.91099	9.73278	3.78808	0.74695	0.74024	29.8137852	0.333141801	3.903E-05	0.098992	4.488275	0.52406	1.289617	1.22653256	35.32138
2471	497256.82	3859264.83	2.91212	0.72301	1.51691	1.88447	9.87266	3.6066	0.73094	0.72301	29.8809942	0.325387514	3.848E-05	0.097618	4.552781	0.49896	1.261975	1.1979835	35.41977
2472	497088.92	3858620.93	2.64466	0.61754	1.37508	1.4333	3.5944	2.9184	0.55241	0.61754	27.1366118	0.277921198	3.488E-05	0.074247	1.657559	0.40375	0.953741	1.02322614	29.48064
2473	497138.92	3858620.93	2.6385	0.61725	1.37773	1.44489	3.53931	2.84558	0.58772	0.61725	27.0734046	0.277790685	3.495E-05	0.074847	1.632154	0.39367	1.014705	1.02274563	29.44386
2474	497188.92	3858620.93	2.62952	0.61645	1.38042	1.40121	3.48268	2.65733	0.61498	0.61645	26.9812617	0.277430648	3.502E-05	0.072585	1.606039	0.36763	1.061769	1.02142008	29.34533

2475	497238.92	3858620.93	2.62268	0.63915	1.38283	1.4008	3.42693	2.55045	0.64518	0.63915
2476	497088.92	3858670.93	2.67449	0.62034	1.44623	1.41329	3.85316	2.8498	0.56035	0.62034
2477	497138.92	3858670.93	2.66968	0.62066	1.4477	1.43053	3.80365	2.94834	0.56102	0.62066
2478	497188.92	3858670.93	2.66251	0.61985	1.44919	1.42758	3.75232	2.84389	0.56461	0.61985
2479	497238.92	3858670.93	2.65659	0.6197	1.45046	1.43233	3.70083	2.82995	0.59952	0.6197
2480	497088.92	3858720.93	3.34316	0.62545	1.51699	1.4681	8.21857	3.35986	0.572	0.62545
2481	497138.92	3858720.93	2.69835	0.62414	1.51755	1.41534	4.03577	3.02105	0.57099	0.62414
2482	497188.92	3858720.93	2.69224	0.62376	1.51768	1.41592	3.98089	2.97869	0.57094	0.62376
2483	497238.92	3858720.93	3.33315	0.62416	1.51739	1.4634	7.78858	3.24735	0.57166	0.62416
2484	497088.92	3858770.93	3.30685	0.62941	1.58475	1.5087	8.87	3.79965	0.58234	0.62941
2485	497138.92	3858770.93	3.30251	0.62908	1.58359	1.50281	8.73267	3.60597	0.58231	0.62908
2486	497188.92	3858770.93	3.30043	0.62887	1.58211	1.51071	8.598	3.44546	0.58238	0.62887
2487	497238.92	3858770.93	3.29778	0.62862	1.58056	1.51329	8.46135	3.52675	0.58242	0.62862
2488	497396.65	3858622.63	3.3952	0.82429	1.39092	1.53165	5.95764	3.15233	0.83178	0.82429
2489	497496.65	3858622.63	3.39565	0.93826	1.39384	1.57099	5.70039	3.35539	0.94654	0.93826
2490	497596.65	3858622.63	3.40203	1.07769	1.3956	1.5896	5.45939	3.49411	1.08694	1.07769
2491	497696.65	3858622.63	3.3994	1.16182	1.39779	1.59326	5.20949	3.58159	1.17149	1.16182
2492	497796.65	3858622.63	3.40188	1.25247	1.39905	1.59803	4.97702	3.59076	1.26259	1.25247
2493	497896.65	3858622.63	3.40501	1.32548	1.39987	1.60313	4.83841	3.46311	1.33589	1.32548
2494	497396.65	3858722.63	3.33433	0.73915	1.51742	1.55902	7.38582	3.89923	0.74633	0.73915
2495	497496.65	3858722.63	3.33475	0.85436	1.51548	1.57442	7.11523	3.94189	0.86246	0.85436
2496	497596.65	3858722.63	3.33953	0.99337	1.51268	1.58474	6.85531	3.83604	1.00258	0.99337
2497	497696.65	3858722.63	3.34099	1.10109	1.5099	1.58817	6.59492	3.57157	1.11105	1.10109
2498	497796.65	3858722.63	3.34002	1.18577	1.50698	1.59042	6.33262	3.40027	1.1962	1.18577
2499	497896.65	3858722.63	3.34105	1.26695	1.78086	1.59349	6.08197	3.18828	1.27781	1.26695
2500	497396.65	3858822.63	3.26	0.63357	1.62708	1.56912	8.69816	3.96385	0.63897	0.63357
2501	497496.65	3858822.63	3.26001	0.73675	1.61945	1.57748	8.44411	3.79581	0.74412	0.73675
2502	497596.65	3858822.63	3.26884	0.8806	1.6108	1.58543	8.19734	3.47659	0.88924	0.8806
2503	497696.65	3858822.63	3.26721	0.98339	1.64573	1.58605	7.93662	3.19735	0.99285	0.98339
2504	497796.65	3858822.63	3.26829	1.07594	1.66577	1.5895	7.68031	2.87319	1.08606	1.07594
2505	497896.65	3858822.63	3.27398	1.18342	1.68831	1.59327	7.42555	2.88222	1.19431	1.18342
2506	497396.65	3858922.63	3.17824	0.64532	1.69756	1.58582	9.75188	3.45775	0.61867	0.64532
2507	497496.65	3858922.63	3.18415	0.65822	1.68382	1.59139	9.54659	3.29624	0.66515	0.65822
2508	497596.65	3858922.63	3.18045	0.73322	1.67093	1.58921	9.32391	3.28494	0.74077	0.73322
2509	497696.65	3858922.63	3.19252	0.86941	1.65701	1.59553	9.10907	3.2558	0.8782	0.86941
2510	497796.65	3858922.63	3.19612	0.97637	1.64383	1.59596	8.88077	3.23065	0.98605	0.97637
2511	497896.65	3858922.63	3.21009	1.09159	1.63036	1.62805	8.66048	3.16301	1.10222	1.09159
2512	497364.44	3858201.52	2.26244	0.90141	1.09435	1.99875	4.88333	3.31073	0.90698	0.90141
2513	497414.44	3858201.52	2.25627	0.92749	1.09596	1.99096	4.87873	3.04797	0.93312	0.92749
2514	497464.44	3858201.52	2.24854	0.94841	1.09757	1.98327	4.87319	3.02493	0.95409	0.94841
2515	497514.44	3858201.52	2.23856	0.95555	1.09924	1.97569	4.86643	3.06128	0.96121	0.95555
2516	497564.44	3858201.52	2.22884	0.9457	1.10091	1.9682	4.85964	3.36979	0.95124	0.9457
2517	497614.44	3858201.52	2.21989	0.94525	1.10255	1.96081	4.85307	3.405	0.95073	0.94525
2518	497364.44	3858251.52	2.31161	0.95266	1.09408	1.88857	4.77304	3.07554	0.95881	0.95266
2519	497414.44	3858251.52	2.30513	0.99096	1.09642	1.88198	4.77208	3.10968	0.99724	0.99096
2520	497464.44	3858251.52	2.29513	0.98081	1.09885	1.87549	4.76926	2.88416	0.98693	0.98081
2521	497514.44	3858251.52	2.28477	0.96448	1.10127	1.86907	4.76606	2.60759	0.9704	0.96448
2522	497564.44	3858251.52	2.27547	0.96065	1.10365	1.86274	4.76326	2.50071	0.96645	0.96065
2523	497614.44	3858251.52	2.26607	0.95502	1.10602	1.8565	4.76008	2.79742	0.96072	0.95502
2524	497364.44	3858301.52	2.35813	0.96544	1.10381	1.78232	4.62898	2.84281	0.97197	0.96544
2525	497414.44	3858301.52	2.35038	0.99734	1.10683	1.77702	4.63149	2.81009	1.00397	0.99734
2526	497464.44	3858301.52	2.34023	0.98667	1.10989	1.77178	4.63248	2.55513	0.9931	0.98667
2527	497514.44	3858301.52	2.33067	0.98148	1.1129	1.76661	4.63362	2.43187	0.98776	0.98148
2528	497564.44	3858301.52	2.32054	0.96599	1.1159	1.7615	4.63415	2.43165	0.97206	0.96599
2529	497614.44	3858301.52	2.31145	0.96366	1.11883	1.75646	4.63469	2.42666	0.96961	0.96366
2530	497364.44	3858351.52	2.40207	0.97178	1.12403	1.68512	4.45484	2.61973	0.97871	0.97178
2531	497414.44	3858351.52	2.39286	0.97694	1.12758	1.68104	4.46031	2.46461	0.98376	0.97694
2532	497464.44	3858351.52	2.38436	0.98838	1.13104	1.67702	4.46594	2.44375	0.99514	0.98838
2533	497514.44	3858351.52	2.37538	0.99117	1.13447	1.67304	4.471	2.41027	0.99781	0.99117

26.9110771	0.287646685	3.508E-05	0.072563	1.58033	0.35284	1.11391	1.05903259	29.25937
27.4426947	0.279181326	3.669E-05	0.07321	1.776886	0.39426	0.96745	1.02786557	29.90585
27.3933397	0.279325341	3.673E-05	0.074103	1.754055	0.40789	0.968607	1.02839579	29.84896
27.319769	0.278960804	3.676E-05	0.073951	1.730384	0.39344	0.974805	1.02705367	29.74429
27.2590245	0.278893297	3.68E-05	0.074197	1.706639	0.39151	1.035077	1.02680513	29.71857
34.3038558	0.281481059	3.848E-05	0.07605	3.789997	0.46482	0.987564	1.03633253	38.86747
27.68752	0.2808915	3.85E-05	0.073317	1.861097	0.41795	0.98582	1.03416194	30.27247
27.6248258	0.280720482	3.85E-05	0.073347	1.835789	0.41209	0.985734	1.0335323	30.17901
34.2011441	0.2809005	3.849E-05	0.075806	3.591706	0.44925	0.986977	1.03419508	38.55163
33.9312822	0.28326324	4.02E-05	0.078153	4.090404	0.52566	1.005416	1.04289401	38.87133
33.8867499	0.283114725	4.017E-05	0.077848	4.027074	0.49887	1.005364	1.04234722	38.73671
33.8654072	0.283020216	4.013E-05	0.078257	3.964971	0.47666	1.005485	1.04199926	38.63184
33.8382158	0.282907704	4.01E-05	0.078391	3.901955	0.48791	1.005554	1.04158503	38.55339
34.8378334	0.370968139	3.528E-05	0.079342	2.747368	0.43611	1.436077	1.36579829	38.54193
34.8424508	0.422259843	3.536E-05	0.081379	2.628737	0.4642	1.634211	1.55463963	38.51864
34.9079154	0.48500971	3.54E-05	0.082343	2.5176	0.48339	1.876613	1.78566665	38.56724
34.8809292	0.522872051	3.546E-05	0.082533	2.402358	0.4955	2.022589	1.92506493	38.48175
34.9063763	0.56366869	3.549E-05	0.08278	2.295155	0.49676	2.179874	2.07526645	38.44939
34.9384929	0.596526524	3.551E-05	0.083044	2.231235	0.4791	2.306428	2.19623957	38.43863
34.213252	0.332651251	3.849E-05	0.080759	3.405974	0.53944	1.288546	1.2247265	38.63593
34.2175615	0.384501012	3.844E-05	0.081557	3.281191	0.54534	1.489046	1.41562245	38.58361
34.2666087	0.447061859	3.837E-05	0.082092	3.161329	0.5307	1.730965	1.64595355	38.57284
34.2815896	0.495540778	3.83E-05	0.082269	3.04125	0.49411	1.918239	1.82443902	38.4886
34.2716365	0.533650645	3.823E-05	0.082386	2.92029	0.47041	2.065251	1.96474862	38.37891
34.2822053	0.570185352	4.518E-05	0.082545	2.804703	0.44108	2.206152	2.09925893	38.28766
33.4505587	0.28513543	4.128E-05	0.081283	4.01116	0.54838	1.103188	1.04978687	38.42996
33.4506613	0.331571142	4.108E-05	0.081716	3.894004	0.52513	1.284731	1.22074985	38.34711
33.5412651	0.39631021	4.086E-05	0.082127	3.780206	0.48097	1.535282	1.45910053	38.3571
33.5245398	0.442570404	4.175E-05	0.08216	3.659975	0.44234	1.714166	1.62941729	38.23637
33.5356216	0.48422213	4.226E-05	0.082338	3.541778	0.39749	1.875094	1.782767	38.13382
33.5940062	0.532593037	4.283E-05	0.082534	3.424295	0.39874	2.061988	1.96085481	38.13335
32.6116269	0.290423467	4.306E-05	0.082148	4.497083	0.47836	1.06814	1.06925591	37.95857
32.6722689	0.296229056	4.271E-05	0.082436	4.402413	0.45602	1.148388	1.09063042	37.96717
32.6343035	0.32998248	4.239E-05	0.082323	4.299724	0.45446	1.278947	1.21490085	37.86488
32.7581527	0.391274199	4.203E-05	0.082651	4.200651	0.45042	1.516221	1.44055938	37.95886
32.7950919	0.439411083	4.17E-05	0.082673	4.09537	0.44694	1.702425	1.61778558	37.94417
32.9384368	0.491265344	4.136E-05	0.084335	3.993783	0.43759	1.902994	1.8086981	38.03975
23.2146877	0.40567566	2.776E-05	0.103538	2.251949	0.45802	1.56591	1.49358143	26.50623
23.1513779	0.417412851	2.78E-05	0.103135	2.249828	0.42167	1.611041	1.5367944	26.4177
23.0720611	0.426827806	2.784E-05	0.102736	2.247273	0.41848	1.647246	1.57145757	26.3432
22.9696573	0.430041132	2.789E-05	0.102344	2.244156	0.42351	1.659539	1.58328811	26.24599
22.8699212	0.425608183	2.793E-05	0.101956	2.241025	0.46619	1.642326	1.56696726	26.18009
22.7780861	0.425405662	2.797E-05	0.101573	2.237995	0.47107	1.641445	1.56622164	26.08938
23.7192166	0.4287405	2.775E-05	0.097831	2.201089	0.42549	1.655395	1.57849956	26.94929
23.6527259	0.445977249	2.781E-05	0.097489	2.200646	0.43021	1.721745	1.64196032	26.90686
23.5501168	0.441409286	2.788E-05	0.097153	2.199346	0.39901	1.703945	1.62514239	26.76586
23.4438138	0.43406004	2.794E-05	0.09682	2.19787	0.36075	1.675405	1.59808458	26.61066
23.3483874	0.432336365	2.8E-05	0.096493	2.196579	0.34596	1.668586	1.5917385	26.49663
23.2519348	0.429802608	2.806E-05	0.096169	2.195113	0.38701	1.658693	1.58240993	26.43634
24.196554	0.434492084	2.8E-05	0.092327	2.134656	0.39329	1.678116	1.59967524	27.32979
24.1170319	0.448848541	2.808E-05	0.092052	2.135813	0.38876	1.733364	1.65253159	27.26337
24.0128837	0.444046553	2.816E-05	0.091781	2.13627	0.35349	1.714597	1.63485205	27.11824
23.9147895	0.441710816	2.823E-05	0.091513	2.136796	0.33644	1.705378	1.62625254	27.0004
23.8108465	0.434739609	2.831E-05	0.091248	2.13704	0.33641	1.678271	1.60058655	26.88799
23.7175748	0.433691003	2.838E-05	0.090987	2.137289	0.33572	1.674041	1.59672589	26.7926
24.6474183	0.437345374	2.851E-05	0.087292	2.054351	0.36243	1.689753	1.61018023	27.66843
24.5529153	0.439667609	2.86E-05	0.08708	2.056874	0.34097	1.698472	1.61873004	27.55727
24.4656976	0.444816132	2.869E-05	0.086872	2.05947	0.33808	1.718119	1.63768542	27.4754
24.3735546	0.446071759	2.878E-05	0.086666	2.061803	0.33345	1.722729	1.64230828	27.38199

2534	497564.44	3858351.52	2.36509	0.9746	1.1379	1.66911	4.47496	2.41169	0.981	0.9746	24.2679699	0.438614502	2.887E-05	0.086462	2.063629	0.33365	1.693706	1.6148528	27.2692
2535	497614.44	3858351.52	2.35629	0.9781	1.1412	1.66522	4.47935	2.40675	0.9844	0.9781	24.1776739	0.440189662	2.895E-05	0.086261	2.065654	0.33296	1.699577	1.62065209	27.18169
2536	497364.44	3858401.52	2.44398	0.93064	1.15469	1.60048	4.25431	2.40337	0.9376	0.93064	25.0774529	0.418830495	2.929E-05	0.082907	1.961877	0.33249	1.618776	1.54201376	27.95035
2537	497414.44	3858401.52	2.43453	0.95496	1.15853	1.5975	4.26338	2.40239	0.96197	0.95496	24.9804873	0.429775605	2.939E-05	0.082753	1.966059	0.33236	1.660851	1.58231052	27.87
2538	497464.44	3858401.52	2.42561	0.96142	1.16227	1.59455	4.27239	2.39986	0.96832	0.96142	24.88896	0.4326829	2.948E-05	0.0826	1.970214	0.33201	1.671814	1.59301434	27.7853
2539	497514.44	3858401.52	2.41727	0.97285	1.16591	1.59163	4.28133	2.39554	0.97969	0.97285	24.8033841	0.437826922	2.958E-05	0.082449	1.974337	0.33141	1.691445	1.61195316	27.70893
2540	497564.44	3858401.52	2.41108	1.01145	1.16935	1.58874	4.29103	2.38379	1.01843	1.01145	24.739869	0.455198685	2.966E-05	0.082299	1.97881	0.32979	1.75833	1.675911	27.66841
2541	497614.44	3858401.52	2.40601	1.04393	1.1726	1.58593	4.30072	2.44405	1.051	1.04393	24.6878462	0.469816168	2.975E-05	0.082153	1.983279	0.33812	1.814562	1.72972838	27.64608
2542	493478.11	3860497.94	3.7061	3.43995	7.86705	7.6823	18.2895	11.88062	3.25498	3.43995	38.0279496	1.548134575	0.0001996	0.397954	8.434209	1.64363	5.619756	5.69978749	49.97204
2543	493528.11	3860497.94	3.68044	3.35658	7.82621	7.35289	17.98456	11.19522	3.15893	3.35658	37.7646547	1.510614268	0.0001985	0.38089	8.293586	1.5488	5.453925	5.56164848	49.39102
2544	493478.11	3860547.94	3.7017	3.57683	7.36049	7.9915	18.19022	14.64818	3.4321	3.57683	37.9828016	1.609736826	0.0001867	0.413971	8.388426	2.0265	5.925555	5.92658931	50.42059
2545	493528.11	3860547.94	3.67197	3.50526	7.37206	7.77111	17.9755	13.6147	3.35125	3.50526	37.6777448	1.577527058	0.000187	0.402554	8.289408	1.88353	5.785967	5.80800218	49.80891
2546	493478.11	3860597.94	3.78137	3.65403	7.46948	7.6564	17.9121	23.49932	3.55128	3.65403	38.8002881	1.644480351	0.0001895	0.396612	8.260171	3.25102	6.131321	6.054505	52.42957
2547	493528.11	3860597.94	3.6748	3.6007	7.29436	7.61709	17.81079	19.62872	3.48607	3.6007	37.7067832	1.620479416	0.000185	0.394576	8.213452	2.71554	6.018735	5.96614044	50.70361
2548	493561.88	3860524.64	3.6605	3.38388	7.61458	7.44375	17.81804	11.83922	3.20162	3.38388	37.5600522	1.522900515	0.0001932	0.385597	8.216796	1.6379	5.527629	5.60688292	49.24418
2549	493591.88	3860524.64	3.65236	3.33283	7.64505	7.27247	17.661	11.41868	3.14346	3.33283	37.4765284	1.499925684	0.0001939	0.376724	8.144376	1.57972	5.427216	5.52229618	48.98239
2550	493561.88	3860554.64	3.65543	3.47171	7.32702	7.63955	17.81673	13.38926	3.31462	3.47171	37.5080294	1.562428026	0.0001859	0.395739	8.216191	1.85234	5.722725	5.75241187	49.50523
2551	493591.88	3860554.64	3.65109	3.41198	7.40685	7.51221	17.71734	12.82711	3.25044	3.41198	37.463497	1.535546798	0.0001879	0.389143	8.170358	1.77457	5.611918	5.6534429	49.29178
2552	492880.5	3860293.11	4.1402	3.87217	8.97159	10.21101	20.33798	11.41231	3.65195	3.87217	42.4822095	1.742653311	0.0002276	0.528945	9.378867	1.57884	6.305129	6.41594969	55.60092
2553	492930.5	3860293.11	4.03644	3.70183	9.03172	9.97635	20.47526	10.82056	3.47606	3.70183	41.4175378	1.665992533	0.0002291	0.516789	9.442174	1.49697	6.001453	6.13370669	54.40744
2554	492980.5	3860293.11	3.9358	3.52217	8.93929	9.97298	20.5372	10.53865	3.34794	3.52217	40.38488	1.58513733	0.0002268	0.516614	9.470737	1.45797	5.780252	5.83602102	53.3598
2555	493030.5	3860293.11	3.95825	3.65947	8.5045	10.02	20.73659	10.00681	3.65657	3.65947	40.6152374	1.646928599	0.0002157	0.51905	9.562686	1.38439	6.313105	6.06351875	53.9781
2556	493080.5	3860293.11	4.01991	3.56983	8.0092	9.98836	20.85185	8.52321	3.5789	3.56983	41.247925	1.606586506	0.0002032	0.517411	9.615838	1.17914	6.179007	5.91499073	54.43112
2557	493130.5	3860293.11	3.94223	3.49036	7.99118	9.40708	20.36564	9.15795	3.48715	3.49036	40.4508577	1.570821377	0.0002027	0.4873	9.391622	1.26696	6.0206	5.78331379	53.40505
2558	493180.5	3860293.11	3.87721	3.30119	7.96575	8.69985	19.84694	9.31688	3.28504	3.30119	39.7836935	1.485686239	0.0002021	0.450664	9.152424	1.28894	5.671655	5.46987063	52.3634
2559	493230.5	3860293.11	3.84621	3.1802	7.79282	8.25024	19.40691	9.09431	3.15668	3.1802	39.4656053	1.431235215	0.0001977	0.427374	8.949504	1.25815	5.45004	5.26939757	51.71271
2560	493280.5	3860293.11	3.85575	3.18858	7.40809	8.13049	19.07236	8.62193	3.17085	3.18858	39.5634944	1.435006597	0.0001879	0.421171	8.795226	1.1928	5.474505	5.28328272	51.59911
2561	493330.5	3860293.11	3.84528	3.10289	7.24811	7.87705	18.60842	8.28427	3.08319	3.10289	39.4560627	1.396442184	0.0001839	0.408042	8.58128	1.14609	5.323159	5.14129961	51.16996
2562	493380.5	3860293.11	3.82575	3.01383	7.33083	7.58023	18.05983	8.03829	2.98975	3.01383	39.2556672	1.356361118	0.000186	0.392666	8.328297	1.11206	5.161834	4.99373262	50.61334
2563	492880.5	3860343.11	4.29541	4.19421	8.53413	10.57014	19.5405	13.61511	4.02193	4.19421	44.074805	1.887586016	0.0002165	0.547548	9.011109	1.88358	6.943903	6.94955034	57.3992
2564	492930.5	3860343.11	4.18599	4.04386	8.65024	10.06628	19.78372	12.84239	3.8582	4.04386	42.9520565	1.819921651	0.0002194	0.521447	9.12327	1.77668	6.661221	6.70042955	56.15439
2565	492980.5	3860343.11	4.1331	3.80329	8.95528	9.88329	20.25827	11.55343	3.64384	3.80329	42.4093571	1.711654166	0.0002272	0.511968	9.342108	1.59836	6.291127	6.30181972	55.56298
2566	493030.5	3860343.11	4.01891	3.6816	8.86157	9.75345	20.3021	11.13978	3.52145	3.6816	41.2376641	1.65688811	0.0002248	0.505242	9.362321	1.54113	6.079819	6.10018681	54.28311
2567	493080.5	3860343.11	3.97456	3.88963	8.54218	10.0832	20.54306	10.07261	3.73078	3.88963	40.7825928	1.750511109	0.0002167	0.522324	9.47344	1.3935	6.441229	6.44487984	53.91893
2568	493130.5	3860343.11	3.93524	3.65624	8.46553	9.76046	20.32546	10.06639	3.65144	3.65624	40.3791339	1.645474952	0.0002148	0.505605	9.373093	1.39264	6.304248	6.05816684	53.54224
2569	493180.5	3860343.11	3.86431	3.35677	8.48806	9.12253	19.89701	10.20989	3.3057	3.35677	39.6513278	1.510699777	0.0002153	0.47256	9.175513	1.41249	5.707325	5.5619633	52.36817
2570	493230.5	3860343.11	3.83866	3.24014	8.34705	8.81189	19.5921	9.92536	3.19524	3.24014	39.3881355	1.458210952	0.0002117	0.456468	9.034904	1.37312	5.516614	5.3687145	51.85896
2571	493280.5	3860343.11	3.84885	3.34338	8.05175	8.80551	19.38477	9.42046	3.32745	3.34338	39.4926941	1.504673666	0.0002043	0.456138	8.939294	1.30327	5.744876	5.53977688	51.90138
2572	493330.5	3860343.11	3.84682	3.31016	7.78303	8.67049	19.05893	8.97898	3.29778	3.31016	39.4718645	1.489723149	0.0001974	0.449143	8.789032	1.2422	5.693651	5.48473337	51.65108
2573	493380.5	3860343.11	3.82651	3.2302	7.57554	8.37553	18.60129	8.71003	3.21674	3.2302	39.2634654	1.453737498	0.0001922	0.433864	8.577992	1.20499	5.553734	5.35224452	51.13573
2574	492880.5	3860393.11	4.45113	4.445	8.51476	11.12463	18.55017	17.64116	4.31347	4.445	45.6726335	2.000452968	0.000216	0.576271	8.554418	2.44057	7.44725	7.36509408	59.32672
2575	492930.5	3860393.11	4.34978	4.28886	8.36954	10.76388	18.96927	15.90166	4.14852	4.28886	44.6326906	1.930182838	0.0002123	0.557584	8.747686	2.19992	7.162462	7.10637962	58.12435
2576	492980.5	3860393.11	4.26483	4.11824	8.4694	10.33551	19.39734	14.08423	3.96417	4.11824	43.7610265	1.853396047	0.0002149	0.535394	8.94509	1.94848	6.84418	6.82367268	57.06411
2577	493030.5	3860393.11	4.16866	3.95575	8.74208	9.90617	19.67875	12.66807	3.80177	3.95575	42.774235	1.780268128	0.0002218	0.513153	9.074863	1.75257	6.563794	6.55443665	55.90466
2578	493080.5	3860393.11	4.11038	4.06859	8.59268	10.18312	20.06394	11.61619	3.9542	4.06859	42.1762293	1.83105128	0.000218	0.5275	9.252493	1.60704	6.826966	6.74140565	55.4801
2579	493130.5	3860393.11	3.96925	3.78615	8.63153	9.39344	19.94111	11.56179	3.63769	3.78615	40.7281074	1.703940384	0.000219	0.486593	9.19585	1.59952	6.280509	6.27341979	53.72132
2580	493180.5	3860393.11	3.84263	3.58958	8.66766	8.68069	19.66672	10.79124	3.40261	3.58958	39.4288713	1.615474908	0.0002199	0.449672	9.069315	1.49292	5.874641	5.94771528	51.98339
2581	493230.5	3860393.11	3.8263	3.46482	8.5821	8.32396	19.53671	10.32882	3.27231	3.46482	39.2613107	1.559327211	0.0002177	0.431193	9.009361	1.42894	5.649676	5.74099556	51.59903
2582	493280.5	3860393.11	3.83944	3.39875	8.39671	8.60147	19.47917	10.31777	3.33966	3.39875	39.396139	1.529592694	0.000213	0.445568	8.982826	1.42741	5.765957	5.6315216	51.91619
2583	493330.5	3860393.11	3.83819	3.40037	8.21728	8.63413	19.27253	9.77499	3.38191	3.40037	39.3833128	1.530321768	0.0002085	0.44726	8.887534	1.35232	5.838902	5.63420584	51.80566
2584	493380.5	3860393.11	3.82275	3.34285	8.05991	8.53927	18.94264	9.40913	3.32633	3.34285	39.2248844	1.504435142	0.0002045	0.442346	8.735405	1.30171	5.742942	5.53889871	51.41303
2585	492880.5	3860443.11	4.61917	4.59556	8.68131	10.22922	17.45812	37.56664	4.50106	4.59556	47.3968764	2.068211843	0.0002202	0.529888	8.050818	5.19716	7.771126	7.61456283	63.39974
2586	492930.5	3860443.11	4.49858	4.47524	8.54481	10.29477	17.89196	27.57924	4.37443	4.47524	46.1595136	2.014062349	0.0002168	0.533283	8.250884	3.81545	7.552498	7.41519992	60.91071
2587	492980.5	3860443.11	4.40399	4.31988	8.47792	10.29427	18.38672	22.2812	4.20348	4.31988	45.1889344	1.944143255	0.0002151	0.533258	8.479043	3.0825	7.257351	7.15777787	59.32766
2588	493030.5	3860443.11	4.31052	4.17973	8.38827	10.14758	18.80826	18.58228	4.05163	4.17973	44.2298473	1.881069355	0.0002128	0.525659	8.673436	2.57077	6.99518	6.92555786	57.95061
2589	493080.5	3860443.11	4.20034	4.05977	8.20938	9.88402	19.05845	16.10914	3.921	4.05977	43.0993005	1.827081878	0.0002083	0.512006	8.788811	2.22862	6.769646	6.72679145	56.49888
2590	493130.5	3860443.11	4.09158	3.94055	8.20318	9.55704	19.23766	14.64779	3.79326	3.94055	41.9833242	1.773427434	0.0002081	0.495068	8.871454	2.02645	6.549102	6.52925118	55.16978
2591	493180.5	3860443.11	3.95011	3.85846	8.04004	9.16445	19.14001	13.79296	3.69888	3.85846	40.5317136	1.736483185	0.000204	0.474731	8.826422	1.90819	6.386154	6.39323305	53.47066
2592	493230.5	3860443.11	3.86828	3.70871	8.35957	8.80767	19.30338	12.78925	3.54349	3.70871	39.6920636	1.669088847	0.0002121	0.45625	8.901761	1.76933	6.117871	6.14510643	52.46147

2593	493280.5	3860443.11	3.82039	3.57586	8.41341	8.63065	19.30229	11.71407	3.41413	3.57586	39.2006687	1.609300281	0.0002134	0.44708	8.901258	1.62058	5.89453	5.92498208	51.74865
2594	493330.5	3860443.11	3.83125	3.5764	8.3145	8.46085	19.28139	10.97752	3.43598	3.5764	39.3121021	1.609543306	0.0002109	0.438284	8.89162	1.51869	5.932254	5.92587682	51.77682
2595	493380.5	3860443.11	3.80336	3.41768	8.27068	8.01054	19.01817	10.66813	3.25702	3.41768	39.0259254	1.538112058	0.0002098	0.414957	8.770236	1.47588	5.623278	5.66288746	51.18571
2596	493180.5	3860493.11	4.11352	3.99398	8.02857	9.20991	18.59355	19.70503	3.87233	3.99398	42.2084485	1.797473374	0.0002037	0.477086	8.574422	2.72609	6.685617	6.61778143	55.85156
2597	493230.5	3860493.11	4.01617	3.88453	7.91087	9.06204	18.79961	16.79508	3.75118	3.88453	41.2095492	1.748215876	0.0002007	0.469426	8.669447	2.32352	6.47645	6.43642945	54.46038
2598	493280.5	3860493.11	3.92229	3.78003	7.92459	8.8456	18.94152	15.41213	3.63764	3.78003	40.2462552	1.701186104	0.000201	0.458214	8.734889	2.13219	6.280422	6.26327932	53.29008
2599	493330.5	3860493.11	3.82124	3.6687	8.09052	8.64594	18.9646	14.12688	3.52477	3.6687	39.2093905	1.651082521	0.0002052	0.447872	8.745532	1.95438	6.085551	6.0788123	52.01521
2600	493380.5	3860493.11	3.77463	3.57342	8.07759	8.29893	18.82354	13.3256	3.41576	3.57342	38.7311296	1.60820217	0.0002049	0.429896	8.680482	1.84353	5.897344	5.92093914	51.26985
2601	493330.5	3860543.11	3.97081	3.79442	7.86143	8.45062	18.524	20.65891	3.67629	3.79442	40.7441144	1.707662261	0.0001994	0.437754	8.542349	2.85806	6.347152	6.28712267	54.35017
2602	493380.5	3860543.11	3.84989	3.71057	7.66652	8.3455	18.49082	17.56569	3.58371	3.71057	39.5033655	1.669925932	0.0001945	0.432309	8.527048	2.43013	6.187312	6.14818834	52.60209
2603	494135.94	3860876.85	3.43944	2.99199	6.12278	5.38423	15.39575	20.89408	2.93939	2.99199	35.291776	1.346532121	0.0001553	0.278911	7.099756	2.89059	5.074887	4.95754507	47.02506
2604	494185.94	3860876.85	3.41636	2.96527	6.07988	5.25456	15.1864	26.06093	2.91026	2.96527	35.0549542	1.3345069	0.0001542	0.272194	7.003214	3.6054	5.024593	4.91327166	47.38175
2605	494135.94	3860926.85	3.44951	3.12619	6.0106	5.2401	15.29227	13.83089	2.87865	3.12619	35.3951033	1.406928248	0.0001525	0.271444	7.052036	1.91344	4.970018	5.17990629	45.82921
2606	494185.94	3860926.85	3.42596	3.04733	5.90359	5.21575	15.17731	15.12739	2.85945	3.04733	35.1534589	1.371437647	0.0001498	0.270183	6.999022	2.0928	4.936869	5.04924008	45.77468
2607	494135.94	3860976.85	3.4997	3.22145	6.34087	5.15682	15.06701	10.98395	2.88482	3.22145	35.9100982	1.449799598	0.0001609	0.26713	6.948157	1.51958	4.980671	5.33774631	45.73785
2608	494185.94	3860976.85	3.44234	3.15444	6.15479	4.92182	15.03662	11.67662	2.79973	3.15444	35.3215326	1.419642038	0.0001561	0.254957	6.934143	1.6154	4.833762	5.22671482	45.15288
2609	494135.94	3861026.85	3.63858	3.26407	6.62609	5.51835	14.69914	9.25269	2.98571	3.26407	37.3351331	1.468980544	0.0001681	0.285858	6.778514	1.28006	5.154859	5.40836505	46.89521
2610	494185.94	3861026.85	3.54059	3.21335	6.45369	5.25087	14.75334	9.68621	2.91654	3.21335	36.3296668	1.446154228	0.0001637	0.272002	6.803508	1.34004	5.035436	5.3243251	45.90265
2611	494135.94	3861076.85	3.78249	3.33685	6.86261	5.88133	14.22317	8.17061	3.08012	3.33685	38.8117803	1.501734868	0.0001741	0.304661	6.55902	1.13036	5.317858	5.52895707	48.09664
2612	494185.94	3861076.85	3.68115	3.22161	6.70453	5.65906	14.34675	8.45134	3.01452	3.22161	37.7719399	1.449871605	0.0001701	0.293147	6.616009	1.1692	5.204599	5.33801142	47.16693
2613	490360.04	3858710.04	5.56573	2.72054	21.17488	12.35984	46.33791	7.43535	2.64333	2.72054	57.1094411	1.224367226	0.0005372	0.640257	21.36874	1.02864	4.563736	4.50776897	81.42796
2614	490410.04	3858710.04	5.55768	2.62363	23.14855	12.48248	45.18042	7.18983	2.61283	2.62363	57.0268408	1.1807533	0.0005872	0.64661	20.83497	0.99468	4.511077	4.347195	80.84832
2615	490460.04	3858710.04	5.5708	2.48013	23.05046	12.05882	43.9109	6.82591	2.58219	2.48013	57.1614639	1.116171748	0.0005847	0.624664	20.24953	0.94433	4.458177	4.10942425	80.4455
2616	490510.04	3858710.04	5.56639	2.38539	18.97277	11.27345	42.15857	6.58928	2.55336	2.38539	57.1162133	1.073534422	0.0004813	0.58398	19.44144	0.91159	4.408402	3.95244584	79.5832
2617	490560.04	3858710.04	5.55686	2.30827	15.3566	11.12173	40.15294	6.39871	2.524	2.30827	57.0184269	1.0388269	0.0003896	0.576121	18.51654	0.88523	4.357712	3.8246627	78.56859
2618	490610.04	3858710.04	5.55211	2.22408	18.31131	13.05553	38.01678	6.18939	2.48875	2.22408	56.9696876	1.000937556	0.0004645	0.676295	17.53145	0.85627	4.296852	3.685165	77.6468
2619	490660.04	3858710.04	5.52842	2.18865	18.3819	13.17401	35.66991	6.10639	2.45984	2.18865	56.7266067	0.984992438	0.0004663	0.682432	16.44919	0.84479	4.246939	3.62645965	76.30896
2620	490710.04	3858710.04	5.5388	2.07771	16.3523	13.54813	33.42667	5.8216	2.42677	2.07771	56.8331149	0.935064373	0.0004148	0.701812	15.41472	0.80539	4.189843	3.44263884	75.43772
2621	490760.04	3858710.04	5.54173	1.98741	16.14144	11.98134	31.10185	5.58895	2.39654	1.98741	56.8631793	0.894425249	0.0004095	0.62065	14.34263	0.7732	4.137651	3.29301724	74.33913
2622	490810.04	3858710.04	5.54602	1.89876	14.00448	10.4592	29.00206	5.35804	2.36954	1.89876	56.9071986	0.854528701	0.0003553	0.541801	13.37431	0.74126	4.091035	3.14612959	73.36436
2623	490860.04	3858710.04	5.56514	1.7805	14.62856	10.19036	28.95613	5.04421	2.34761	1.7805	57.1033872	0.801306301	0.0003711	0.527875	13.35313	0.69784	4.053172	2.95017998	73.5869
2624	490360.04	3858760.04	5.49232	2.80221	24.41669	11.56012	46.56157	7.42972	2.65912	2.80221	56.3561879	1.261122455	0.0006194	0.59883	21.47188	1.02787	4.590998	4.64309118	80.66442
2625	490410.04	3858760.04	5.49158	2.68953	24.07925	11.07382	46.05028	7.16291	2.62717	2.68953	56.3485948	1.21041131	0.0006108	0.573639	21.2361	0.99095	4.535836	4.45638729	80.43976
2626	490460.04	3858760.04	5.49886	2.56249	19.83757	10.41826	45.23226	6.85714	2.59572	2.56249	56.4232942	1.153237509	0.0005032	0.53968	20.85887	0.94865	4.481537	4.24588975	80.15989
2627	490510.04	3858760.04	5.51113	2.42757	16.70548	10.7862	44.09219	6.5294	2.56602	2.42757	56.5491956	1.092517348	0.0004238	0.55874	20.33313	0.90331	4.43026	4.02233553	79.84524
2628	490560.04	3858760.04	5.51256	2.32727	19.50873	11.88414	42.55324	6.29119	2.5323	2.32727	56.5638687	1.047377768	0.0004949	0.615615	19.62344	0.87036	4.372042	3.85614455	79.23705
2629	490610.04	3858760.04	5.51989	2.21736	19.00724	12.58697	40.81109	6.02541	2.49565	2.21736	56.6390811	0.997913249	0.0004822	0.652023	18.82005	0.83359	4.308765	3.67403037	78.57787
2630	490660.04	3858760.04	5.52263	2.12448	17.71483	12.66527	38.84788	5.79858	2.46342	2.12448	56.667196	0.956113008	0.0004494	0.656079	17.91471	0.80221	4.25312	3.52013388	77.72974
2631	490710.04	3858760.04	5.52733	2.03139	16.57117	12.10816	36.74839	5.56883	2.43292	2.03139	56.7154223	0.914218258	0.0004204	0.62722	16.94653	0.77042	4.200461	3.36588942	76.80881
2632	490760.04	3858760.04	5.54303	1.91656	14.55846	10.12867	34.58013	5.27666	2.40501	1.91656	56.8765185	0.862539514	0.0003693	0.524679	15.94664	0.73	4.152274	3.17562311	75.9174
2633	490810.04	3858760.04	5.55552	1.8138	16.85729	9.88954	32.33314	5.01412	2.38198	1.8138	57.0046773	0.816292822	0.0004276	0.512292	14.91044	0.69368	4.112513	3.00535605	75.04496
2634	490860.04	3858760.04	5.56112	1.73016	17.46398	9.66892	30.08263	4.80315	2.3619	1.73016	57.0621383	0.778651003	0.000443	0.500864	13.87262	0.66449	4.077844	2.86676967	74.09028
2635	490360.04	3858810.04	5.41803	2.86007	25.20811	10.33879	45.86057	7.24083	2.67376	2.86007	55.5939051	1.287162097	0.0006395	0.535564	21.14862	1.00173	4.616274	4.73896167	79.44493
2636	490410.04	3858810.04	5.42294	2.73143	20.67433	9.72799	45.98744	6.96133	2.63958	2.73143	55.6442861	1.229268223	0.0005245	0.503923	21.20712	0.96307	4.557262	4.52581303	79.57964
2637	490460.04	3858810.04	5.43306	2.59591	18.02191	10.14541	45.73805	6.65859	2.60666	2.59591	55.7481265	1.168278035	0.0004572	0.525546	21.09212	0.92118	4.500425	4.30126465	79.65487
2638	490510.04	3858810.04	5.43325	2.49675	20.46778	10.74995	45.00445	6.44433	2.57741	2.49675	55.7500761	1.123651507	0.0005192	0.556862	20.75382	0.89154	4.449924	4.13696258	79.38943
2639	490560.04	3858810.04	5.43867	2.38864	19.14578	11.72785	43.98114	6.2064	2.54304	2.38864	55.8056902	1.07499707	0.0004857	0.607519	20.28192	0.85863	4.390584	3.9578309	79.06199
2640	490610.04	3858810.04	5.46162	2.23904	19.05225	11.59121	42.7637	5.85984	2.50241	2.23904	56.041178	1.007670239	0.0004833	0.600441	19.7205	0.81068	4.320436	3.70995281	78.79143
2641	490660.04	3858810.04	5.4741	2.1262	16.70746	11.81923	41.20819	5.59805	2.46794	2.1262	56.1692342	0.956887087	0.0004238	0.612253	19.00317	0.77446	4.260923	3.52298381	78.25437
2642	490710.04	3858810.04	5.49379	2.00053	17.36409	10.0712	39.46374	5.29765	2.43637	2.00053	56.3712714	0.900329848	0.0004405	0.521702	18.19872	0.7329	4.206418	3.31475628	77.61703
2643	490760.04	3858810.04	5.53038	1.87596	18.73261	9.59175	37.58101	4.89812	2.41098	1.87596	56.746718	0.84426766	0.0004752	0.496866	17.3305	0.67763	4.162581	3.10835138	77.15068
2644	490810.04	3858810.04	5.52428	1.81539	18.11681	9.46503	35.45905	4.78756	2.38922	1.81539	56.6841265	0.817008395	0.0004596	0.490302	16.35195	0.66234	4.125013	3.00799058	76.12321
2645	490860.04	3858810.04	5.54731	1.72246	15.30499	9.17478	33.31702	4.49615	2.37186	1.72246	56.9204352	0.775185651	0.0003883	0.475266	15.36416	0.62202	4.09504	2.85401124	75.39848
2646	490360.04	3858860.04	5.60981	2.91669	21.54189	9.1773	44.25596	6.84669	2.68695	2.91669	57.5617419	1.312643682	0.0005465	0.475397	20.40865	0.94721	4.639046	4.83277756	80.51246
2647	490410.04	3858860.04	5.42957	2.82063	19.17353	9.2293	44.74161	6.71841	2.65192	2.82063	55.7123159	1.269412296	0.0004864	0.478091	20.63261	0.92946	4.578567	4.673612	78.92733
2648	490460.04	3858860.04	5.35381	2.67428	21.40945	9.78678	45.15531	6.37922	2.61608	2.67428	54.9349496	1.203548113	0.0005431	0.506969	20.82339	0.88253	4.516689	4.43111897	78.4375
2649	490510.04	3858860.04	5.34455	2.58769	20.79776	10.8762	44.90299	6.26353	2.58739	2.58769	54.8399336	1.164578659	0.0005276	0.563402	20.70703	0.86653	4.467155	4.28764461	78.32151
2650	490560.04	3858860.04	5.3621	2.45997	20.18109	10.70461	44.5141	5.96701	2.54785	2.45997	55.0200125	1.107098827	0.000512	0.554514	20.52769	0.82551	4.398889	4.07602036	78.35821
2651	490610.04	3858860.04	5.40216	2.30345	17.89194	11.28361	43.88541	5.52677	2.50037	2.30345	55.4310645	1.03665768	0.0004539	0.584507	20.23777	0.7646	4.316914	3.81667626	78.55529

2652	490660.04	3858860.04	5.41732	2.19775	20.28709	10.31756	42.77801	5.2807	2.46707	2.19775	55.5866198	0.989087854	0.0005146	0.534464	19.72709	0.73056	4.259421	3.6415378	78.18622
2653	490710.04	3858860.04	5.42182	2.11434	20.5078	9.51932	41.36673	5.1175	2.44069	2.11434	55.6327939	0.951549545	0.0005202	0.493114	19.07628	0.70798	4.213876	3.50333251	77.57278
2654	490760.04	3858860.04	5.46053	1.98505	17.82077	9.26987	39.8386	4.73691	2.4137	1.98505	56.0299936	0.893363142	0.0004521	0.480192	18.37158	0.65533	4.167278	3.28910686	77.30908
2655	490810.04	3858860.04	5.49474	1.86845	16.14562	8.98636	38.08207	4.40267	2.38793	1.86845	56.3810193	0.840887817	0.0004096	0.465506	17.56156	0.60909	4.122785	3.09590777	76.88535
2656	490860.04	3858860.04	5.53172	1.75301	16.13377	8.65403	36.12876	4.06632	2.37649	1.75301	56.7604677	0.788934546	0.0004093	0.448291	16.66079	0.56256	4.103034	2.90463073	76.41985
2657	490360.04	3858910.04	5.8771	3.12603	20.1383	8.78331	41.23574	6.66028	2.82281	3.12603	60.3043799	1.406856241	0.0005109	0.454988	19.01588	0.92142	4.87361	5.17964118	81.798
2658	490410.04	3858910.04	5.70718	2.99441	21.45234	8.89922	42.4657	6.43521	2.69357	2.99441	58.5608465	1.347621231	0.0005442	0.460992	19.58307	0.89028	4.650476	4.96155486	80.53228
2659	490460.04	3858910.04	5.54625	2.85557	22.9401	10.07512	43.37636	6.1727	2.62808	2.85557	56.9095586	1.285136891	0.0005819	0.521905	20.00302	0.85396	4.537407	4.73150545	79.38007
2660	490510.04	3858910.04	5.39332	2.70967	20.68718	10.28808	43.94583	5.87279	2.58926	2.70967	55.340358	1.219475229	0.0005248	0.532937	20.26564	0.81247	4.470384	4.48975804	78.15203
2661	490560.04	3858910.04	5.29328	2.55658	21.12636	10.53819	44.16148	5.53459	2.54668	2.55658	54.3138569	1.150577739	0.0005359	0.545893	20.36508	0.76568	4.396869	4.23609724	77.3024
2662	490610.04	3858910.04	5.32468	2.40581	22.64533	10.27423	43.99975	5.1828	2.4994	2.40581	54.6360493	1.082724354	0.0005745	0.532219	20.2905	0.71702	4.315239	3.98628054	77.58804
2663	490660.04	3858910.04	5.34505	2.28827	20.70685	9.04564	43.42059	4.92958	2.46488	2.28827	54.845064	1.029825987	0.0005253	0.468577	20.02342	0.68198	4.25564	3.79152392	77.51351
2664	490710.04	3858910.04	5.37763	2.1565	17.70791	8.94439	42.56462	4.61153	2.43609	2.1565	55.1793644	0.97052347	0.0004492	0.463332	19.62869	0.63798	4.205934	3.57318906	77.51309
2665	490760.04	3858910.04	5.42549	2.00588	17.8104	8.70627	41.44301	4.2163	2.40136	2.00588	55.6704514	0.902737593	0.0004518	0.450997	19.11146	0.5833	4.145972	3.3236209	77.54175
2666	490810.04	3858910.04	5.45044	1.9028	16.85434	8.52465	40.00188	3.98356	2.3853	1.9028	55.9264611	0.856346886	0.0004276	0.441589	18.44688	0.55111	4.118245	3.15282363	77.18823
2667	490860.04	3858910.04	5.50164	1.76136	14.97723	8.17312	38.3206	3.61073	2.36036	1.76136	56.4518196	0.792692427	0.0003799	0.423379	17.67156	0.49953	4.075185	2.91846617	76.99608
2668	490360.04	3858960.04	6.18238	3.26027	23.79225	8.65351	37.77299	6.58274	2.9614	3.26027	63.4368298	1.467270371	0.0006036	0.448264	17.41903	0.91069	5.112887	5.40206868	83.3935
2669	490410.04	3858960.04	6.01555	3.1003	24.69451	9.33787	39.54867	6.2833	2.76531	3.1003	61.7250026	1.395276566	0.0006264	0.483715	18.23788	0.86926	4.774336	5.13700814	82.3491
2670	490460.04	3858960.04	5.85759	2.92859	22.89307	9.8328	41.03016	5.95661	2.70223	2.92859	60.1041896	1.317999226	0.0005807	0.509353	18.92107	0.82407	4.665427	4.85249514	81.4902
2671	490510.04	3858960.04	5.69594	2.77665	24.50909	9.7612	42.10144	5.66128	2.64282	2.77665	58.4455139	1.249619288	0.0006217	0.505644	19.41509	0.78321	4.562856	4.60073982	80.36182
2672	490560.04	3858960.04	5.53728	2.62899	23.79166	9.98765	42.80594	5.36922	2.59286	2.62899	56.8175183	1.183165545	0.0006035	0.517374	19.73997	0.74281	4.476599	4.3560762	79.12196
2673	490610.04	3858960.04	5.39639	2.44109	19.40894	8.86614	43.22807	4.99322	2.54247	2.44109	55.371859	1.098601965	0.0004924	0.459278	19.93464	0.69079	4.3896	4.04473735	77.90052
2674	490660.04	3858960.04	5.26504	2.35812	19.86622	8.48503	43.11491	4.81866	2.48871	2.35812	54.0240888	1.061261677	0.000504	0.439536	19.88246	0.66664	4.296783	3.90726112	76.46401
2675	490710.04	3858960.04	5.31456	2.18471	18.73247	8.37469	42.81109	4.45737	2.4443	2.18471	54.532209	0.983219258	0.0004752	0.433821	19.74235	0.61666	4.220109	3.61993131	76.90891
2676	490760.04	3858960.04	5.35694	2.03896	16.56704	8.23144	42.13986	4.1472	2.39938	2.03896	54.9670662	0.917625103	0.0004203	0.4264	19.43281	0.57374	4.142554	3.37843245	77.08219
2677	490810.04	3858960.04	5.40221	1.89672	13.84174	8.02664	41.09855	3.84052	2.36849	1.89672	55.4315775	0.853610608	0.0003511	0.415791	18.95261	0.53132	4.089222	3.14274944	77.13173
2678	490860.04	3858960.04	5.46239	1.73509	12.94846	7.71813	39.79949	3.4909	2.33674	1.73509	56.0490789	0.780869728	0.0003285	0.39981	18.35355	0.48295	4.034405	2.87493838	77.22605
2679	490360.04	3859010.04	6.49571	3.37561	25.68125	8.61181	33.75435	6.7901	3.08592	3.37561	66.6518799	1.519178637	0.0006515	0.446104	15.56583	0.93938	5.327872	5.59318003	84.85771
2680	490410.04	3859010.04	6.33084	3.18508	26.91701	9.29359	35.93463	6.44944	2.83158	3.18508	64.9601641	1.433431437	0.0006828	0.481421	16.57127	0.89225	4.888752	5.27748343	83.95048
2681	490460.04	3859010.04	6.18228	2.95724	26.76047	8.98966	37.91112	6.03437	2.7695	2.95724	63.4358037	1.330893034	0.0006789	0.465677	17.48273	0.83483	4.78157	4.89996644	83.43221
2682	490510.04	3859010.04	6.03185	2.74151	22.85641	9.61537	39.52455	5.63324	2.71528	2.74151	61.8922554	1.233804683	0.0005798	0.49809	18.22676	0.77933	4.687958	4.54251498	82.77626
2683	490560.04	3859010.04	5.85107	2.63324	22.06009	8.97244	40.62949	5.4246	2.65774	2.63324	60.0372885	1.185078239	0.0005596	0.464785	18.7363	0.75047	4.588615	4.36311819	81.39998
2684	490610.04	3859010.04	5.70302	2.43621	20.8376	7.8996	41.53426	5.0447	2.61003	2.43621	58.5181611	1.096405742	0.0005286	0.40921	19.15354	0.69791	4.506243	4.03665149	80.34535
2685	490660.04	3859010.04	5.52315	2.36053	18.37383	7.93221	41.94515	4.88862	2.55665	2.36053	56.6725317	1.062346287	0.0004661	0.4109	19.34302	0.67632	4.414082	3.91125434	78.66841
2686	490710.04	3859010.04	5.38237	2.16495	15.13369	7.79982	42.14781	4.49518	2.51198	2.16495	55.2280011	0.974326356	0.0003839	0.404042	19.43648	0.62189	4.336959	3.5871902	77.41489
2687	490760.04	3859010.04	5.3047	1.99793	16.39448	7.66326	41.91462	4.15268	2.46529	1.99793	54.4310364	0.89915973	0.0004159	0.396968	19.32894	0.5745	4.256348	3.31044824	76.57692
2688	490810.04	3859010.04	5.35835	1.83554	16.51175	7.50201	41.34238	3.81462	2.41169	1.83554	54.9815341	0.826076815	0.0004189	0.388615	19.06505	0.52773	4.163807	3.04137791	76.91186
2689	490860.04	3859010.04	5.40529	1.69808	15.3559	7.34392	40.49602	3.52238	2.35724	1.69808	55.4631811	0.764213538	0.0003895	0.380425	18.67475	0.4873	4.069799	2.81361506	77.02645
2690	490360.04	3859060.04	6.82271	3.46187	30.00756	8.74375	30.30125	6.87983	3.13568	3.46187	70.0071967	1.557999576	0.0007612	0.452938	13.97343	0.95179	5.413783	5.73610759	86.62179
2691	490410.04	3859060.04	6.67976	3.18065	26.64912	8.7389	32.00335	6.39573	2.89008	3.18065	68.5404	1.431437735	0.000676	0.452687	14.75836	0.88482	4.989752	5.27014319	85.78798
2692	490460.04	3859060.04	6.51778	2.95862	24.58629	9.0714	34.19872	6.00901	2.82917	2.95862	66.8783382	1.331514097	0.0006237	0.469911	15.77075	0.83132	4.884591	4.90225302	85.26479
2693	490510.04	3859060.04	6.34844	2.77131	23.33691	8.91609	36.09604	5.67811	2.76982	2.77131	65.1407561	1.247216044	0.000592	0.461866	16.6457	0.78554	4.782122	4.59189176	84.4719
2694	490560.04	3859060.04	6.19399	2.54833	20.19905	7.69386	37.75246	5.2746	2.71985	2.54833	63.5559589	1.146864862	0.0005124	0.398553	17.40956	0.72972	4.695849	4.22242749	83.71459
2695	490610.04	3859060.04	6.0177	2.41571	18.55559	7.57853	39.00948	5.02793	2.66933	2.41571	61.7470635	1.087179806	0.0004707	0.392578	17.98924	0.69559	4.608625	4.00268424	82.51806
2696	490660.04	3859060.04	5.84255	2.29704	20.63504	7.49033	39.94734	4.80027	2.61513	2.29704	59.9498656	1.033772888	0.0005235	0.38801	18.42173	0.66409	4.515048	3.80605528	81.16699
2697	490710.04	3859060.04	5.69677	2.08538	19.7313	7.31774	40.57472	4.39179	2.5753	2.08538	58.4540304	0.938516223	0.0005005	0.379069	18.71105	0.60758	4.446282	3.45534756	80.08168
2698	490760.04	3859060.04	5.54557	1.90695	17.24786	7.16121	40.80736	4.04116	2.52184	1.90695	56.9025812	0.858214575	0.0004375	0.370961	18.81833	0.55907	4.353982	3.15969992	78.70388
2699	490810.04	3859060.04	5.39992	1.7604	14.61216	7.07014	40.72066	3.69181	2.46554	1.7604	55.40808	0.792260384	0.0003707	0.366243	18.77835	0.51074	4.25678	2.91687551	77.19595
2700	490860.04	3859060.04	5.37904	1.63718	14.07222	6.93148	44.86574	3.3972	2.41458	1.63718	55.1938323	0.736805757	0.000357	0.35906	20.68985	0.46999	4.168797	2.71270748	78.90598
2701	490360.04	3859110.04	7.13062	3.60946	27.01607	8.63263	29.05622	7.37413	3.20497	3.60946	73.1666328	1.624421816	0.0006853	0.447182	13.39929	1.02017	5.533413	5.98065523	89.21114
2702	490410.04	3859110.04	6.98962	3.29961	26.05809	8.43192	29.69556	6.72215	2.94004	3.29961	71.7198448	1.484975167	0.000661	0.436785	13.69412	0.92998	5.076009	5.46725266	87.87512
2703	490460.04	3859110.04	6.81531	3.09311	22.41347	8.6384	29.94847	6.2637	2.87925	3.09311	69.931266	1.392040738	0.0005686	0.447481	13.81075	0.86655	4.971054	5.12509475	86.29462
2704	490510.04	3859110.04	6.69094	2.73138	23.60393	7.89688	32.26093	5.53326	2.81625	2.73138	68.6551169	1.229245721	0.0005988	0.409069	14.87714	0.7655	4.862284	4.52573019	86.27322
2705	490560.04	3859110.04	6.52315	2.52578	24.58827	7.62676	34.18853	5.18078	2.76926	2.52578	66.9334393	1.136716332	0.0006238	0.395077	15.76605	0.71674	4.781155	4.18506352	85.54474
2706	490610.04	3859110.04	6.36346	2.30598	22.31774	7.38887	35.86348	4.78743	2.72208	2.30598	65.2948749	1.037796296	0.0005662	0.382754	16.53846	0.66232	4.699699	3.82086831	84.7956
2707	490660.04	3859110.04	6.21253	2.08677	18.51138	7.14006	37.17963	4.34987	2.67511	2.08677	63.7461961	0.939141786	0.0004696	0.369865	17.1454	0.60178	4.618605	3.4576507	83.96381
2708	490710.04	3859110.04	6.03447	1.98039	18.0677	6.98812	38.18552	4.12186	2.62207	1.98039	61.9191389	0.891265929	0.0004583	0.361994	17.60927	0.57024	4.52703	3.28138553	82.59801
2709	490760.04	3859110.04	5.87152	1.84184	16.35311	6.9012	38.88415	3.81224	2.56696	1.84184	60.247124	0.828912102	0.0004148	0.357492	17.93144	0.5274	4.431882	3.05181662	81.27285
2710	490810.04	3859110.04	5.71976	1.67962	14.50935	6.74411	43.41538	3.44415	2.52996	1.67962	58.6899287	0.755905695	0.0003681	0.349354	20.02102	0.47648	4.368002	2.78302797	81.87803

2711	490860.04	3859110.04	5.56601	1.53191	12.9548	6.55572	44.56218	3.22057	2.47957	1.53191
2712	490360.04	3859160.04	7.42104	3.81902	26.57634	8.89622	27.11947	8.00565	3.2412	3.81902
2713	490410.04	3859160.04	7.27944	3.49422	30.64865	8.5842	28.20349	7.32057	2.98611	3.49422
2714	490460.04	3859160.04	7.12514	3.20501	30.89921	8.23695	28.88324	6.70753	2.9213	3.20501
2715	490510.04	3859160.04	6.97262	2.91627	27.50463	8.00111	29.20579	6.09827	2.85564	2.91627
2716	490560.04	3859160.04	6.83658	2.5793	24.73105	7.73314	30.21371	5.38528	2.80751	2.5793
2717	490610.04	3859160.04	6.66623	2.37673	22.61462	7.47505	32.14677	4.93073	2.75835	2.37673
2718	490660.04	3859160.04	6.55823	2.02143	19.12095	7.11827	33.7871	4.07493	2.70675	2.02143
2719	490710.04	3859160.04	6.37792	1.89791	17.58871	6.95802	35.1653	3.82709	2.65507	1.89791
2720	490760.04	3859160.04	6.23357	1.67434	14.17848	6.71336	39.32708	3.61156	2.64131	1.67434
2721	490810.04	3859160.04	6.05587	1.56561	13.21543	6.55459	41.10466	3.51677	2.60109	1.56561
2722	490860.04	3859160.04	5.88418	1.45008	12.09224	6.39724	42.54541	3.43406	2.5526	1.45008
2723	490360.04	3859210.04	7.70034	4.06901	33.05366	9.29115	24.66572	8.68103	3.40462	4.06901
2724	490410.04	3859210.04	7.5203	3.84303	30.33112	8.8834	26.00204	8.18724	3.19271	3.84303
2725	490460.04	3859210.04	7.42104	3.34787	29.90986	8.5138	27.26219	7.16998	2.95662	3.34787
2726	490510.04	3859210.04	7.28186	3.01875	27.05307	8.2333	28.05472	6.48033	2.88804	3.01875
2727	490560.04	3859210.04	7.10877	2.79352	25.33676	7.9599	28.44059	5.98846	2.84062	2.79352
2728	490610.04	3859210.04	6.96118	2.49225	22.92204	7.64853	28.52923	5.34116	2.78666	2.49225
2729	490660.04	3859210.04	6.84327	2.11832	19.21846	7.24433	30.07196	4.42082	2.7424	2.11832
2730	490710.04	3859210.04	6.67123	1.90722	18.5332	7.01976	31.74108	3.90287	2.68988	1.90722
2731	490760.04	3859210.04	6.53942	1.70118	16.22024	6.77798	35.14447	3.82779	2.68831	1.70118
2732	490810.04	3859210.04	6.33165	1.66983	15.75687	6.66752	37.12363	3.67858	2.64276	1.66983
2733	490860.04	3859210.04	6.13177	1.62889	14.82114	6.56413	38.8678	3.5472	2.5948	1.62889
2734	490360.04	3859260.04	7.98314	4.30927	30.95598	9.83421	21.91309	9.23505	3.70044	4.30927
2735	490410.04	3859260.04	7.82373	4.00809	31.46986	9.33535	23.58078	8.62076	3.39445	4.00809
2736	490460.04	3859260.04	7.64688	3.76807	31.29948	8.94793	24.96516	8.11795	3.15548	3.76807
2737	490510.04	3859260.04	7.46798	3.49773	31.27789	8.52306	26.07153	7.5508	2.94496	3.49773
2738	490560.04	3859260.04	7.33374	3.18295	29.3912	8.23349	26.98242	6.8984	2.87858	3.18295
2739	490610.04	3859260.04	7.22825	2.71669	26.94857	7.91755	27.59658	5.93041	2.82177	2.71669
2740	490660.04	3859260.04	7.02303	2.62426	25.47162	7.67	27.74623	5.70783	2.77679	2.62426
2741	490710.04	3859260.04	6.84876	2.35608	24.52595	7.36641	28.06294	5.1046	2.73731	2.35608
2742	490760.04	3859260.04	6.73738	2.07982	18.41004	7.09468	29.78489	4.40429	2.68511	2.07982
2743	490810.04	3859260.04	6.54334	1.99572	17.1223	6.92737	31.33249	4.18073	2.63979	1.99572
2744	490860.04	3859260.04	6.35277	1.91318	15.7214	6.78827	32.67577	3.95968	2.59735	1.91318
2745	490360.04	3859310.04	8.18946	4.75239	36.46754	10.37093	18.81616	9.95372	4.20377	4.75239
2746	490410.04	3859310.04	8.04123	4.42135	33.48383	9.92323	20.67638	9.34908	3.86476	4.42135
2747	490460.04	3859310.04	7.88106	4.12906	29.43981	9.40409	22.34173	8.80115	3.565	4.12906
2748	490510.04	3859310.04	7.70122	3.90672	27.33057	8.99484	23.74991	8.3752	3.34621	3.90672
2749	490560.04	3859310.04	7.53032	3.6673	25.53136	8.58663	24.93792	7.90207	3.10584	3.6673
2750	490610.04	3859310.04	7.34908	3.4709	24.92945	8.2298	25.83577	7.50544	2.91488	3.4709
2751	490660.04	3859310.04	7.18938	3.21085	24.42512	7.95719	26.49432	6.97633	2.82181	3.21085
2752	490710.04	3859310.04	7.08855	2.74054	22.30294	7.68112	26.93637	6.01084	2.76709	2.74054
2753	490760.04	3859310.04	6.93158	2.48581	20.15633	7.39674	26.98403	5.4662	2.72581	2.48581
2754	490810.04	3859310.04	6.74578	2.35171	18.61257	7.18034	27.9014	5.16499	2.68574	2.35171
2755	490860.04	3859310.04	6.58273	2.17568	16.65573	6.93807	29.49703	4.70878	2.63969	2.17568
2756	490360.04	3859360.04	8.36858	5.24268	32.92412	11.12905	18.52005	10.50101	5.03526	5.24268
2757	490410.04	3859360.04	8.20289	4.96524	30.79368	10.51531	17.57005	10.0639	4.4824	4.96524
2758	490460.04	3859360.04	8.03173	4.71041	28.90551	9.88709	19.33359	9.66573	4.22693	4.71041
2759	490510.04	3859360.04	7.86341	4.45962	26.77505	9.48654	20.97029	9.25693	3.97385	4.45962
2760	490560.04	3859360.04	7.721	4.14388	26.33254	9.02188	22.49271	8.70058	3.63551	4.14388
2761	490610.04	3859360.04	7.57231	3.84403	26.06202	8.64219	23.78219	8.15554	3.31762	3.84403
2762	490660.04	3859360.04	7.40877	3.59692	25.27114	8.26967	24.79067	7.69993	3.06603	3.59692
2763	490710.04	3859360.04	7.27391	3.25336	24.00094	7.97873	25.58483	7.04138	2.80445	3.25336
2764	490760.04	3859360.04	7.14307	2.89572	22.08928	7.69566	26.09219	6.33226	2.75621	2.89572
2765	490810.04	3859360.04	6.94234	2.81093	21.08623	7.46373	26.22197	6.15757	2.71819	2.81093
2766	490860.04	3859360.04	6.77632	2.60596	19.5122	7.22462	26.12894	5.72883	2.66879	2.60596
2767	490360.04	3859410.04	8.53745	5.64704	32.46712	12.2195	19.14267	10.83379	5.64415	5.64704
2768	490410.04	3859410.04	8.36487	5.46198	30.16666	11.3926	18.20439	10.14456	5.46499	5.46198
2769	490460.04	3859410.04	8.19816	5.20277	28.69637	10.60971	17.08949	10.14401	4.80598	5.20277

57.1123142	0.68942945	0.0003286	0.339595	20.54987	0.44555	4.281003	2.5382815	80.8798
76.1466056	1.718733384	0.0006742	0.460837	12.50615	1.10754	5.595965	6.32788338	91.20863
74.693661	1.572558553	0.0007775	0.444674	13.00605	1.01277	5.155549	5.78970957	90.09632
73.110403	1.442400847	0.0007838	0.426686	13.31952	0.92795	5.043654	5.31050623	88.96089
71.5454094	1.312454663	0.0006977	0.414469	13.46826	0.84367	4.930291	4.83208165	87.68317
70.1495155	1.160802776	0.0006274	0.400587	13.93306	0.74503	4.847194	4.27374289	86.96308
68.4015699	1.069637026	0.0005737	0.387218	14.82449	0.68214	4.762319	3.93809675	86.18986
67.2933919	0.909735803	0.0004851	0.368736	15.58093	0.56375	4.673231	3.34938631	86.04087
65.4432476	0.854146163	0.0004462	0.360435	16.21649	0.52946	4.584005	3.14472119	84.84351
63.9620856	0.753529454	0.0003597	0.347761	18.1357	0.49964	4.560248	2.77427933	85.48504
62.1387224	0.704595989	0.0003352	0.339537	18.95543	0.48653	4.490808	2.59412035	84.52184
60.3770271	0.652602214	0.0003068	0.331386	19.61983	0.47509	4.40709	2.40269418	83.46063
79.012477	1.8312403	0.0008385	0.481295	11.37461	1.20098	5.878111	6.74210157	93.03744
77.1651032	1.729538981	0.0007694	0.460173	11.99085	1.13266	5.512246	6.36766648	91.62368
76.1466056	1.506694371	0.0007587	0.441027	12.57197	0.99193	5.104634	5.54721654	91.2164
74.7184924	1.358575342	0.0006863	0.426496	12.93744	0.89652	4.98623	5.00188476	90.32256
72.9424319	1.257211558	0.0006427	0.412334	13.11539	0.82847	4.904359	4.62869238	88.83215
71.4280246	1.121626301	0.0005815	0.396205	13.15626	0.73892	4.811197	4.12950635	87.52332
70.218161	0.953340727	0.0004875	0.375266	13.8677	0.6116	4.734781	3.50992713	87.2514
68.4528744	0.858336088	0.0004701	0.363633	14.63741	0.53994	4.644105	3.1601473	86.33663
67.1003842	0.765608679	0.0004115	0.351109	16.20688	0.52956	4.641394	2.81875158	86.7766
64.9684755	0.751499748	0.0003997	0.345387	17.11958	0.50891	4.562752	2.76680654	85.4902
62.9175252	0.733074879	0.000376	0.340031	17.9239	0.49074	4.479949	2.69897145	84.18662
81.9142617	1.93936827	0.0007853	0.509426	10.10523	1.27762	6.388847	7.14019774	94.99534
80.2785704	1.803823518	0.0007983	0.483584	10.87429	1.19264	5.860552	6.64116084	93.85309
78.4639289	1.695803558	0.000794	0.463515	11.51269	1.12308	5.447968	6.24346233	92.46432
76.6282526	1.574138214	0.0007935	0.441506	12.0229	1.04462	5.084503	5.79552543	91.00118
75.2508283	1.43247284	0.0007456	0.426506	12.44295	0.95436	4.969898	5.27395415	90.20381
74.1684052	1.22263455	0.0006836	0.41014	12.72617	0.82044	4.871815	4.50138975	89.7189
72.0626617	1.181036829	0.0006462	0.397317	12.79518	0.78965	4.794156	4.34823887	87.67241
70.2744934	1.060343584	0.0006222	0.38159	12.94123	0.7062	4.725993	3.90388096	86.18659
69.1316335	0.936013969	0.000467	0.367514	13.73531	0.60931	4.63587	3.44613498	85.96999
67.140607	0.898165129	0.0004344	0.358847	14.44899	0.57838	4.557624	3.3067864	84.67626
65.1851858	0.86101836	0.0003988	0.351642	15.06844	0.5478	4.484351	3.17002265	83.32882
84.0312922	2.138792504	0.0009251	0.537229	8.677079	1.37705	7.257852	7.87442058	96.1458
82.5103178	1.989809388	0.0008494	0.514037	9.53492	1.2934	6.672547	7.32590747	95.18997
80.8668283	1.858265542	0.0007468	0.487145	10.3029	1.2176	6.155009	6.84160076	94.04689
79.0215066	1.758202389	0.0006933	0.465945	10.95228	1.15867	5.777265	6.47319693	92.66136
77.2679175	1.650452457	0.0006477	0.444799	11.50013	1.09321	5.362264	6.07649258	91.24293
75.4082306	1.562063489	0.0006324	0.426315	11.91417	1.03834	5.03257	5.75106975	89.63126
73.7695637	1.445029114	0.0006196	0.412194	12.21787	0.96514	4.871884	5.32018275	88.36211
72.7349564	1.233368139	0.0005658	0.397893	12.42172	0.83157	4.777409	4.54090775	87.85657
71.1243017	1.118728007	0.0005113	0.383161	12.4437	0.75622	4.706139	4.11883566	86.41392
69.2178251	1.058376884	0.0004722	0.371952	12.86674	0.71455	4.636957	3.89664014	84.97023
67.5447841	0.979155346	0.0004225	0.359402	13.60257	0.65144	4.557452	3.60496915	84.09025
85.8692259	2.359445392	0.0008352	0.5765	8.540528	1.45276	8.693427	8.68680122	98.80592
84.1690961	2.234584723	0.0007812	0.544708	8.102435	1.39229	7.738909	8.22710005	95.9557
82.4128392	2.119899587	0.0007333	0.512165	8.915692	1.33721	7.297837	7.80486228	94.79151
80.6857232	2.007032636	0.0006792	0.491416	9.670457	1.28065	6.860892	7.38931853	93.60753
79.2244674	1.864935218	0.000668	0.467346	10.37252	1.20368	6.276745	6.8661566	92.54421
77.698773	1.729989026	0.0006611	0.447678	10.96717	1.12828	5.727905	6.36932342	91.33113
76.0207042	1.618778243	0.0006411	0.42838	11.43223	1.06525	5.293532	5.95987721	89.89963
74.6369182	1.464160555	0.0006089	0.413309	11.79845	0.97414	4.841911	5.39061923	88.73888
73.2943811	1.303206225	0.0005604	0.398646	12.03242	0.87604	4.758625	4.79803155	87.86585
71.2347091	1.265046853	0.0005349	0.386632	12.09227	0.85187	4.692983	4.65753969	85.86651
69.5311932	1.172800994	0.000495	0.374245	12.04937	0.79256	4.607693	4.31791689	84.21044
87.6019854	2.541425856	0.0008236	0.632987	8.827649	1.4988	9.744682	9.3568011	101.4916
85.831158	2.458140405	0.0007653	0.590153	8.394961	1.40345	9.435361	9.05016796	99.06382
84.120562	2.341484069	0.000728	0.549598	7.880824	1.40337	8.297573	8.62067279	95.97347

2770	490510.04	3859410.04	8.03693	4.93832	27.22063	10.04956	18.0972	9.75467	4.52554	4.93832	82.4661959	2.222469494	0.0006905	0.520581	8.34553	1.34951	7.813391	8.18249526	94.53587
2771	490560.04	3859410.04	7.87625	4.67983	25.73756	9.46516	19.73441	9.37594	4.25394	4.67983	80.8174733	2.106137191	0.0006529	0.490309	9.10053	1.29712	7.344471	7.75419308	93.4025
2772	490610.04	3859410.04	7.71802	4.42398	24.26285	9.10522	21.22684	8.98669	3.98422	4.42398	79.1938899	1.990993008	0.0006155	0.471663	9.788765	1.24326	6.878796	7.33026522	92.23772
2773	490660.04	3859410.04	7.59093	4.05146	24.02626	8.67025	22.60498	8.33819	3.54964	4.05146	77.8898311	1.823341998	0.0006095	0.449131	10.42429	1.15355	6.128489	6.71302229	91.15622
2774	490710.04	3859410.04	7.44841	3.72475	23.86173	8.292	23.71929	7.78406	3.18152	3.72475	76.4274466	1.67630758	0.0006053	0.429537	10.93816	1.07689	5.492927	6.17168373	89.87019
2775	490760.04	3859410.04	7.32973	3.33456	22.96898	7.96681	24.62617	7.06762	2.79024	3.33456	75.2096821	1.500704263	0.0005827	0.412692	11.35637	0.97777	4.817378	5.52516268	88.75001
2776	490810.04	3859410.04	7.1475	3.23276	21.82204	7.72455	25.15945	6.92297	2.74675	3.23276	73.3398369	1.454889615	0.0005536	0.400142	11.60229	0.95776	4.742292	5.35648629	87.14128
2777	490860.04	3859410.04	6.94384	3.16486	21.014	7.4718	25.39918	6.8187	2.70813	3.16486	71.2501005	1.424331514	0.0005331	0.38705	11.71284	0.94333	4.675614	5.24398013	85.14982
2778	490360.04	3859460.04	8.74128	6.3353	29.92311	15.18813	19.42169	11.70076	5.84093	6.3353	89.6934662	2.851174283	0.0007591	0.786766	8.956319	1.61874	10.08442	10.497206	103.4944
2779	490410.04	3859460.04	8.56106	6.03082	28.6195	13.48374	18.80796	10.92985	5.92761	6.03082	87.8442454	2.71414438	0.000726	0.698477	8.673298	1.51209	10.23408	9.99270117	101.6844
2780	490460.04	3859460.04	8.3828	5.81116	27.38532	12.70435	17.93433	10.30279	5.86515	5.81116	86.015136	2.61528735	0.0006947	0.658103	8.270423	1.42534	10.12624	9.62873794	99.48249
2781	490510.04	3859460.04	8.2164	5.3955	26.16188	11.60439	16.89219	10.10822	5.05115	5.3955	84.307721	2.42822137	0.0006637	0.601124	7.789839	1.39842	8.720862	8.94001465	96.30684
2782	490560.04	3859460.04	8.05129	5.13611	24.96625	10.7069	16.94874	9.74753	4.77713	5.13611	82.6135426	2.311484026	0.0006333	0.554632	7.815918	1.34852	8.247763	8.51022123	94.38228
2783	490610.04	3859460.04	7.90348	4.85665	23.78863	9.76432	18.59212	9.33901	4.46702	4.85665	81.0968778	2.185714265	0.0006035	0.505805	8.573763	1.29201	7.712355	8.04717304	93.31995
2784	490660.04	3859460.04	7.76339	4.56096	22.61148	9.215	20.12464	8.90016	4.1355	4.56096	79.6594273	2.052640263	0.0005736	0.47735	9.280485	1.23129	7.139983	7.55723273	92.28452
2785	490710.04	3859460.04	7.59983	4.29734	21.48767	8.73941	21.43826	8.51185	3.83595	4.29734	77.9811532	1.933999226	0.0005451	0.452714	9.886261	1.17757	6.622807	7.12043046	90.93462
2786	490760.04	3859460.04	7.46154	4.03709	20.31312	8.39631	22.61111	8.12385	3.56326	4.03709	76.5621723	1.816874842	0.0005153	0.434941	10.42712	1.12389	6.152005	6.68921207	89.82831
2787	490810.04	3859460.04	7.31355	3.77056	20.13983	8.02426	23.53994	7.70324	3.27348	3.77056	75.0436606	1.696924172	0.0005109	0.415668	10.85545	1.06571	5.651696	6.24758811	88.48203
2788	490860.04	3859460.04	7.12633	3.63954	19.67327	7.71478	24.15341	7.53394	3.16217	3.63954	73.1226135	1.637959189	0.0004991	0.399636	11.13835	1.04228	5.459519	6.03049595	86.77037
2789	490360.04	3859510.04	9.03948	9.12262	32.99821	20.14055	19.34784	13.98755	9.46385	9.12262	92.7532688	4.105595558	0.0008371	1.043309	8.922263	1.93511	16.33943	15.1156253	109.9842
2790	490410.04	3859510.04	8.78975	6.61001	30.76489	17.6047	19.00493	12.71488	6.3503	6.61001	90.1908124	2.974806327	0.0007804	0.911948	8.76413	1.75904	10.96386	10.9523837	104.613
2791	490460.04	3859510.04	8.58723	6.30556	28.34116	15.40081	18.44278	11.63431	6.26745	6.30556	88.1127734	2.837789925	0.000719	0.797783	8.504895	1.60955	10.82082	10.4479286	102.2364
2792	490510.04	3859510.04	8.4017	6.27449	25.94867	14.4676	17.64595	10.67143	6.33342	6.27449	86.2090672	2.823807006	0.0006583	0.749442	8.137436	1.47634	10.93471	10.3964475	99.93502
2793	490560.04	3859510.04	8.23124	5.58139	23.59418	13.24304	16.67145	10.02444	5.51958	5.58139	84.4599929	2.511880358	0.0005985	0.686008	7.688045	1.38683	9.529611	9.24802305	97.01494
2794	490610.04	3859510.04	8.07734	5.32517	23.62968	11.82683	15.88225	9.80571	4.97417	5.32517	82.8808392	2.396569658	0.0005994	0.612646	7.324105	1.35657	8.587955	8.82348213	94.3358
2795	490660.04	3859510.04	7.9279	5.04488	23.57322	10.73533	17.49271	9.35442	4.66396	5.04488	81.3474492	2.27042636	0.000598	0.556105	8.06677	1.29414	8.052374	8.35905868	93.2288
2796	490710.04	3859510.04	7.78359	4.76141	23.35353	9.71711	19.00675	8.92821	4.34752	4.76141	79.8666976	2.142851916	0.0005924	0.50336	8.76497	1.23517	7.506037	7.88936617	92.13032
2797	490760.04	3859510.04	7.63486	4.49671	22.92844	8.87239	20.36707	8.5508	4.05722	4.49671	78.3405928	2.023724829	0.0005816	0.459602	9.392282	1.18296	7.004831	7.4507744	90.9538
2798	490810.04	3859510.04	7.47088	4.28248	22.31418	8.44547	21.52047	8.27369	3.83695	4.28248	76.6580092	1.927311547	0.0005661	0.437487	9.924172	1.14462	6.624533	7.09580835	89.6209
2799	490860.04	3859510.04	7.31683	4.05086	21.61557	8.09982	22.49374	7.9502	3.58794	4.05086	75.0773164	1.823071971	0.0005483	0.419582	10.373	1.09987	6.194615	6.71202812	88.27597
2800	490360.04	3859560.04	9.61362	13.45656	34.77602	31.9233	18.89675	18.22544	13.9345	13.45656	98.6444663	6.056066455	0.0008822	1.653672	8.714243	2.5214	24.05811	22.2966998	119.3521
2801	490410.04	3859560.04	9.18364	11.12168	32.5033	24.79163	18.8695	15.92464	11.5379	11.12168	94.2324812	5.005263839	0.0008245	1.284241	8.701677	2.2031	19.92023	18.4279459	112.9199
2802	490460.04	3859560.04	8.87669	7.93533	29.45789	20.73404	18.59221	14.18167	8.27175	7.93533	91.0828957	3.571260844	0.0007473	1.074052	8.573804	1.96196	14.28126	13.1483582	107.3976
2803	490510.04	3859560.04	8.64699	6.6137	26.87949	17.80227	18.1119	12.72029	6.57767	6.6137	88.7259652	2.976466995	0.0006819	0.922182	8.352309	1.75979	11.35641	10.9584978	103.1353
2804	490560.04	3859560.04	8.43523	6.78196	26.57751	16.07987	17.35551	11.55528	6.85151	6.78196	86.5531154	3.052191679	0.0006742	0.83296	8.0035	1.59862	11.8292	11.2372944	100.633
2805	490610.04	3859560.04	8.26112	6.00839	25.85726	14.68206	16.4631	10.65473	6.03138	6.00839	84.7665888	2.704049856	0.0006559	0.760551	7.591964	1.47403	10.41324	9.95553603	97.75554
2806	490660.04	3859560.04	8.09838	5.54386	24.8769	12.96244	15.41961	10.21936	5.22512	5.54386	83.0967287	2.494990144	0.0006311	0.671472	7.110759	1.4138	9.021223	9.18583813	94.62376
2807	490710.04	3859560.04	7.94935	5.24906	23.6837	11.55925	16.43601	9.6048	4.88545	5.24906	81.5675456	2.362316683	0.0006008	0.598785	7.579472	1.32878	8.434779	8.6973725	93.1749
2808	490760.04	3859560.04	7.81827	4.9322	22.31101	10.2275	17.96474	9.00961	4.5011	4.9322	80.2225459	2.219715215	0.000566	0.529799	8.284446	1.24644	7.771195	8.17235479	92.10235
2809	490810.04	3859560.04	7.67009	4.66135	20.86707	9.31001	19.33167	8.57511	4.20119	4.66135	78.7020846	2.097820347	0.0005294	0.482272	8.914807	1.18632	7.253397	7.72357285	90.91366
2810	490860.04	3859560.04	7.52566	4.39438	19.35709	8.55193	20.55128	8.16853	3.90077	4.39438	77.2201017	1.977671657	0.000491	0.443002	9.47723	1.13008	6.734719	7.28121983	89.70207
2811	490187.25	3859422.08	9.33212	10.11331	39.86487	18.84899	20.25156	13.45173	10.3979	10.11331	95.7560208	4.551451295	0.0010113	0.976404	9.339014	1.86098	17.95206	16.7571383	113.6798
2812	490237.25	3859422.08	9.07501	7.93029	36.7334	16.19044	20.31798	12.60468	8.2309	7.93029	93.1178389	3.568992614	0.0009318	0.838687	9.369644	1.7438	14.21073	13.1400072	109.7106
2813	490287.25	3859422.08	8.8562	6.36988	33.86529	14.49451	20.07485	11.90642	5.86953	6.36988	90.8726497	2.866736862	0.0008591	0.750836	9.257524	1.64719	10.1338	10.5545029	104.9751
2814	490337.25	3859422.08	8.67026	6.03486	31.19566	13.00072	19.58186	11.20868	5.43387	6.03486	88.9647365	2.715962564	0.0007914	0.673455	9.030182	1.55067	9.381632	9.9993952	102.318
2815	490187.25	3859472.08	9.89391	12.95123	37.46569	27.41751	19.31292	17.23095	13.2882	12.95123	101.520496	5.82864488	0.0009504	1.420265	8.90616	2.38382	22.94219	21.4593987	121.5431
2816	490237.25	3859472.08	9.46339	11.57981	34.84083	22.2582	19.70554	15.05402	11.9378	11.57981	97.1029701	5.211443258	0.0008838	1.153006	9.087217	2.08265	20.61066	19.1870394	116.0618
2817	490287.25	3859472.08	9.1614	9.53661	31.99336	19.03818	19.8455	13.5418	9.87155	9.53661	94.0042787	4.291909962	0.0008116	0.986204	9.151759	1.87344	17.04333	15.8015815	111.5502
2818	490337.25	3859472.08	8.90453	6.80546	29.44488	16.83795	19.62726	12.48872	7.11682	6.80546	91.3685593	3.062767752	0.000747	0.872229	9.051118	1.72775	12.28726	11.2762324	107.0942
2819	490297.07	3859500.42	9.3496	11.39033	34.81964	22.76291	19.53478	15.36613	11.7544	11.39033	95.9353815	5.126168606	0.0008833	1.179151	9.008471	2.12583	20.29404	18.8730826	114.7968
2820	490327.07	3859500.42	9.14517	10.05307	33.557	20.85913	19.48927	14.32153	10.3942	10.05307	93.8377441	4.524340544	0.0008513	1.080532	8.987484	1.98131	17.94567	16.6573243	111.7006
2821	490297.07	3859530.42	9.75678	13.49286	34.97803	31.30232	19.05727	19.00831	13.8945	13.49286	100.113418	6.072403112	0.0008873	1.621504	8.788267	2.62971	23.98901	22.3568466	120.8584
2822	490327.07	3859530.42	9.46772	12.46255	32.99593	26.58207	19.18234	17.19515	12.8802	12.46255	97.1473999	5.608716566	0.000837	1.376988	8.845943	2.37886	22.23771	20.6496858	116.9468
2823	490319.73	3859055.34	6.90726	3.6713	30.34094	8.69656	29.99211	7.24517	3.43135	3.6713	70.8747565	1.652252639	0.0007697	0.450494	13.83087	1.00233	5.924261	6.08312034	87.65262
2824	490319.73	3859105.34	7.22491	3.81436	30.24365	8.81118	28.46981	7.7886	3.38746	3.81436	74.1341338	1.716636172	0.0007672	0.456431	13.12886	1.07751	5.848484	6.32016204	90.04267
2825	490069.73	3859155.34	8.53733	5.14214	22.50232	12.12942	21.42497	10.65667	4.60094	5.14214	87.6007541	2.314197801	0.0005708	0.628321	9.880133	1.4743	7.94357	8.52021257	101.3216
2826	490119.73	3859155.34	8.31408	4.8781	32.95669	11.3421	20.17454	10.12342	4.49068	4.8781	85.3100065	2.195367744	0.000836	0.587537	9.303496	1.40053	7.753205	8.08271439	98.46826
2827	490269.73	3859155.34	7.67606	4.30307	29.92564	9.30594	24.66503	9.01521	3.57458	4.30307	78.7633422	1.936577987	0.0007591	0.482061	11.37429	1.24721	6.171549	7.12992472	92.84586
2828	490319.73	3859155.34	7.51336	4.0414	27.86937	9.06111	26.23988	8.46022	3.3451	4.0414	77.0938925	1.818814539	0.000707	0.469378	12.10053	1.17043	5.775349	6.69635348	91.73275

2829	490069.73	3859205.34	8.75433	5.53409	44.5206	12.58574	21.89367	11.61294	4.56423	5.53409	89.827371	2.490593198	0.0011294	0.651959	10.09627	1.60659	7.880189	9.16964983	103.3845
2830	490119.73	3859205.34	8.52025	5.31616	49.92514	11.85424	20.90723	11.14644	4.85409	5.31616	87.4254978	2.392514747	0.0012665	0.614066	9.641377	1.54206	8.380636	8.80855311	101.1889
2831	490169.73	3859205.34	8.3142	5.19732	37.13638	11.12959	19.78906	10.64806	4.80095	5.19732	85.3112378	2.339031321	0.0009421	0.576528	9.125732	1.47311	8.288889	8.61164247	98.50382
2832	490219.73	3859205.34	8.13838	4.82115	28.96525	10.65299	19.78737	10.09882	4.23844	4.82115	83.507165	2.169737644	0.0007348	0.55184	9.124953	1.39712	7.31771	7.98835171	96.08091
2833	490269.73	3859205.34	7.98852	4.50727	30.47531	9.96304	21.85615	9.60822	3.81686	4.50727	81.9694654	2.028477311	0.0007731	0.516099	10.07897	1.32925	6.589847	7.46827168	95.04461
2834	490319.73	3859205.34	7.80339	4.275	33.63014	9.47991	23.60666	9.10882	3.60023	4.275	80.0698636	1.923945205	0.0008531	0.491073	10.88622	1.26016	6.215834	7.08341444	93.76453
2835	490069.73	3859255.34	8.98328	5.69798	49.57588	13.76895	22.01711	12.35211	5.15014	5.69798	92.1766058	2.564351182	0.0012576	0.713251	10.1532	1.70885	8.891769	9.44120557	106.7681
2836	490119.73	3859255.34	8.75932	5.48204	34.7241	12.77429	21.42801	11.83578	4.90163	5.48204	89.8785729	2.467168321	0.0008809	0.661726	9.881535	1.63742	8.462714	9.08340616	103.9066
2837	490169.73	3859255.34	8.55629	5.43817	41.63559	11.87021	20.62204	11.32582	4.99484	5.43817	87.7953009	2.447424818	0.0010562	0.614893	9.509861	1.56687	8.623642	9.01071624	101.5483
2838	490219.73	3859255.34	8.38519	5.24916	39.88854	11.51029	19.67375	10.70902	4.93703	5.24916	86.0396596	2.362361688	0.0010119	0.596249	9.072557	1.48154	8.523832	8.69753819	99.37967
2839	490269.73	3859255.34	8.22549	4.87884	33.10953	10.55576	18.66712	10.35499	4.35503	4.87884	84.4009927	2.195700778	0.0008399	0.546803	8.608349	1.43256	7.519003	8.08394052	96.62031
2840	490319.73	3859255.34	8.05055	4.61726	31.62504	10.08626	20.59687	9.84349	4.00564	4.61726	82.6059495	2.077977834	0.0008023	0.522482	9.498254	1.3618	6.915778	7.6505184	95.33252
2841	490069.73	3859305.34	9.22369	6.82122	56.01342	15.7493	21.66355	13.04966	7.08138	6.82122	94.6434306	3.069860471	0.0014209	0.815836	9.990154	1.80536	12.22607	11.3023458	111.2498
2842	490119.73	3859305.34	8.98443	5.97846	47.647	14.21402	21.46056	12.46372	5.50948	5.97846	92.1884058	2.690579989	0.0012087	0.736306	9.896545	1.72429	9.512173	9.90594384	106.8436
2843	490169.73	3859305.34	8.77824	5.61195	36.32184	13.0369	21.01694	11.90846	5.18537	5.61195	90.0727093	2.525633753	0.0009214	0.67533	9.691969	1.64748	8.952594	9.29865911	104.268
2844	490219.73	3859305.34	8.6002	5.59845	32.57317	11.93338	20.36561	11.32075	5.10105	5.59845	88.2458573	2.519558137	0.0008263	0.618166	9.391608	1.56617	8.807015	9.27629043	101.8729
2845	490269.73	3859305.34	8.43076	5.32806	36.01418	11.60888	19.46931	10.71223	5.12427	5.32806	86.5072492	2.39787029	0.0009136	0.601356	8.978279	1.48198	8.847104	8.82827068	99.98649
2846	490319.73	3859305.34	8.28239	4.99226	37.35163	10.7683	18.40341	10.40092	4.54864	4.99226	84.9848383	2.246744957	0.0009475	0.557813	8.486739	1.43892	7.853273	8.27187055	97.2974
2847	490069.73	3859355.34	9.5251	9.95029	46.09087	19.62931	20.76585	13.9362	10.1886	9.95029	97.7361707	4.478084851	0.0011692	1.016826	9.576179	1.92801	17.59069	16.4870241	115.8401
2848	490119.73	3859355.34	9.23409	8.31063	41.22271	16.83175	20.96774	13.14966	8.56499	8.31063	94.750144	3.740162981	0.0010457	0.871908	9.669281	1.81919	14.78754	13.7702074	111.8691
2849	490169.73	3859355.34	9.00111	6.29633	38.10252	14.89394	20.92087	12.49317	6.53323	6.29633	92.3595578	2.833636004	0.0009666	0.771527	9.647667	1.72837	11.27969	10.4326351	108.1888
2850	490219.73	3859355.34	8.81088	5.97188	35.41297	13.44158	20.63783	11.86712	5.45352	5.97188	90.4076253	2.687618689	0.0008984	0.696293	9.517143	1.64176	9.415558	9.89504118	104.4719
2851	490269.73	3859355.34	8.62799	5.64213	35.31205	12.12427	20.03777	11.28423	5.24315	5.64213	88.531008	2.539216132	0.0008958	0.628054	9.240425	1.56112	9.052352	9.34866553	102.2044
2852	490319.73	3859355.34	8.46935	5.44974	34.26038	11.75933	19.23413	10.59491	5.33328	5.44974	86.9032176	2.452631847	0.0008691	0.60915	8.869826	1.46575	9.207962	9.02988702	100.4795
2853	490069.73	3859405.34	10.03435	12.17726	54.28124	27.7907	20.04132	15.35897	12.4362	12.17726	102.961538	5.480323039	0.001377	1.439597	9.242062	2.12484	21.47119	20.1769776	122.5439
2854	490119.73	3859405.34	9.61426	11.17105	46.14013	21.90915	20.07432	14.16015	11.4704	11.17105	98.6510333	5.027482594	0.0011705	1.134925	9.25728	1.95899	19.80369	18.509749	117.3248
2855	490169.73	3859405.34	9.30477	9.65521	42.75816	18.29403	20.42637	13.28576	9.93708	9.65521	95.475385	4.345285377	0.0010847	0.947656	9.419628	1.83802	17.15647	15.9980945	113.1854
2856	490219.73	3859405.34	9.05466	7.51531	40.20062	15.83613	20.46684	12.53	7.79715	7.51531	92.9090294	3.382232665	0.0010198	0.820334	9.438291	1.73346	13.46186	12.4524106	109.2938
2857	490269.73	3859405.34	8.85084	6.29347	37.51689	14.0518	20.24289	11.82843	5.74384	6.29347	90.8176512	2.832348873	0.0009517	0.727903	9.335016	1.63641	9.916798	10.4278962	104.8392
2858	490319.73	3859405.34	8.67024	5.90787	34.92945	12.60195	19.73599	11.1788	5.34747	5.90787	88.9645313	2.658811266	0.0008861	0.652799	9.101259	1.54653	9.232461	9.78898051	102.3683
2859	490161.89	3859541.83	12.63445	16.05479	36.1658	42.222	18.7673	25.57626	16.169	16.05479	129.640924	7.225388595	0.0009174	2.187159	8.654547	3.53835	27.91601	26.6018085	152.5615
2860	490171.89	3859541.83	12.47567	15.97534	35.87598	47.026	18.7819	27.96482	16.113	15.97534	128.011697	7.189632468	0.0009101	2.436012	8.66128	3.8688	27.81919	26.4701647	151.5174
2861	490161.89	3859551.83	12.86153	16.4633	34.85632	36.52379	18.65261	21.73546	16.5486	16.4633	131.970971	7.409236749	0.0008842	1.891983	8.601658	3.00699	28.57126	27.2786847	154.1743
2862	490171.89	3859551.83	12.71595	16.37849	34.91671	39.13435	18.67656	23.60613	16.4871	16.37849	130.477188	7.371068376	0.0008858	2.027214	8.612702	3.26579	28.46509	27.1381597	153.0818
2863	489799.72	3859348.21	12.76817	12.003	53.33513	35.6119	26.44924	23.14572	12.0245	12.003	131.013012	5.401898082	0.001353	1.844746	12.19708	3.2021	20.7604	19.8882394	154.5323
2864	489819.72	3859348.21	12.52476	11.99419	77.48549	42.23472	25.00124	27.27883	12.0246	11.99419	128.515405	5.39793318	0.0019656	2.187817	11.52933	3.77389	20.76056	19.8736418	152.2933
2865	489799.72	3859368.21	13.03321	13.07662	92.86953	29.82953	27.41784	17.7985	12.4779	13.07662	133.732563	5.885076106	0.0023559	1.545211	12.64375	2.46234	21.54315	21.6671623	156.1473
2866	489819.72	3859368.21	12.79392	12.32661	109.0679	32.57114	26.01208	21.09376	12.333	12.32661	131.277231	5.547537359	0.0027668	1.687231	11.99548	2.91822	21.29296	20.4244415	154.297
2867	489775.41	3859329.72	12.6898	11.77788	99.15703	36.54015	27.24972	23.06016	11.8047	11.77788	130.208865	5.300583803	0.0025154	1.892831	12.56622	3.19026	20.38092	19.5152293	154.027
2868	489795.41	3859329.72	12.52571	11.76202	44.6588	42.61704	25.79008	29.08033	11.7979	11.76202	128.525153	5.293446079	0.0011329	2.207622	11.8931	4.02312	20.36914	19.4889503	152.8238
2869	489775.41	3859349.72	13.00582	12.67348	97.55062	30.59591	28.26291	18.79762	12.1961	12.67348	133.451517	5.703644698	0.0024746	1.584911	13.03345	2.60056	21.05672	20.9991839	156.4341
2870	489795.41	3859349.72	12.83354	12.04081	55.66418	33.6894	26.83708	22.00036	12.06	12.04081	131.683768	5.418914309	0.0014121	1.745158	12.37593	3.04364	20.82171	19.9508883	155.1396
2871	489595.05	3859219.43	12.46955	10.73941	42.00362	35.66011	35.30558	18.61961	10.7963	10.73941	127.9489	4.833224884	0.0010655	1.847243	16.28118	2.57593	18.63989	17.7945478	154.3329
2872	489615.05	3859219.43	12.36341	10.60703	36.11018	40.1538	33.82649	21.83963	10.6692	10.60703	126.859807	4.773647839	0.000916	2.080023	15.5991	3.02141	18.42052	17.5752022	153.1802
2873	489595.05	3859239.43	12.66841	11.86983	44.73317	30.29807	36.18851	16.26496	11.3426	11.86983	129.989384	5.341965501	0.0011348	1.569482	16.68834	2.25018	19.58306	19.6675849	155.756
2874	489615.05	3859239.43	12.54004	11.22069	46.74418	33.48431	34.77878	17.75627	11.0452	11.22069	128.672191	5.04982286	0.0011858	1.734534	16.03825	2.45649	19.06962	18.5919994	154.4301
2875	489372.4	3859092.58	11.82575	10.49213	33.84373	35.75906	45.77105	16.40095	10.3689	10.49213	121.342928	4.721937593	0.0008585	1.852369	21.10734	2.26899	17.90208	17.3848199	151.8117
2876	489422.4	3859092.58	11.87842	9.71247	29.05923	43.20854	42.53954	22.32877	9.81656	9.71247	121.88337	4.371054992	0.0007372	2.238263	19.61712	3.08908	16.94839	16.0929708	152.055
2877	489372.4	3859142.58	12.2738	13.7665	30.30542	27.38427	46.67448	13.4402	13.1258	13.7665	125.940327	6.195553607	0.0007688	1.418543	21.52395	1.85939	22.66174	22.8102514	156.79
2878	489422.4	3859142.58	12.02604	11.71396	37.10214	31.61531	44.14128	14.50306	11.2265	11.71396	123.398085	5.271816884	0.0009412	1.637717	20.35577	2.00643	19.3827	19.4093178	152.6441
2879	488870.84	3858666.64	13.90548	7.17995	19.45754	45.295	79.98448	21.18699	8.05774	7.17995	142.682845	3.231305352	0.0004936	2.346344	36.88487	2.93112	13.91177	11.8967395	190.092
2880	488900.84	3858666.64	13.77363	7.00358	18.58472	57.1136	73.87422	26.04919	7.57129	7.00358	141.329944	3.151930798	0.0004715	2.958564	34.06712	3.60378	13.07191	11.6045052	186.5792
2881	488870.84	3858696.64	14.02645	7.5474	20.01135	36.59258	82.27555	17.60499	8.68682	7.5474	143.924107	3.39667463	0.0005076	1.895547	37.9414	2.43556	14.99788	12.5055818	192.0861
2882	488900.84	3858696.64	13.81301	7.38238	20.28489	44.96887	76.54363	21.07853	8.11485	7.38238	141.734019	3.322408095	0.0005146	2.32945	35.29812	2.91611	14.01037	12.2321537	187.3788
2883	488889.67	3858683.97	13.86911	7.28815	19.943	45.65834	77.71853	21.35038	8.06414	7.28815	142.309656	3.280000292	0.0005059	2.365166	35.83993	2.95372	13.92282	12.0760203	188.5958
2884	488919.67	3858683.97	13.66815	7.11518	19.04065	57.58875	71.59824	26.16611	7.57875	7.11518	140.247624	3.202155894	0.000483	2.983178	33.01755	3.61995	13.08479	11.7894196	184.3663
2885	488889.67	3858713.97	13.92709	7.65943	20.4486	36.38209	80.06607	17.58267	8.69268	7.65943	142.904583	3.447093246	0.0005187	1.884643	36.9225	2.43248	15.008	12.6912087	189.9086
2886	488919.67	3858713.97	13.68573	7.49171	20.77775	45.18222	74.33991	21.21235	8.12177	7.49171	140.428011	3.371611587	0.0005271	2.340502	34.28188	2.93462	14.02232	12.4133069	184.9662
2887	488906.61	3858703.33	13.77751	7.43113	20.46784	44.55163	75.96241	20.92079	8.1442	7.43113	141.369757	3.344347821	0.0005192	2.307837	35.03009	2.89429	14.06104	12.3129295	186.695

2888	488936.61	3858703.33	13.55188	7.26635	19.75726	56.33549	70.03905	25.63502	7.64897	7.26635	139.054588	3.270189297	0.0005012	2.918257	32.29853	3.54648	13.20602	12.0398991	182.2547
2889	488906.61	3858733.33	13.81145	7.81297	20.9251	35.01604	78.5332	17.09408	8.78226	7.81297	141.718012	3.516193257	0.0005308	1.81388	36.21561	2.36488	15.16266	12.9456151	187.8462
2890	488936.61	3858733.33	13.56331	7.63731	21.42569	44.02555	72.80413	20.85068	8.20114	7.63731	139.17187	3.437138236	0.0005435	2.280585	33.57365	2.88459	14.15935	12.6545572	182.8532
2891	488637.63	3858467.85	14.29654	6.10689	16.83758	37.5045	112.1979	18.34764	8.30995	6.10689	146.695476	2.748379353	0.0004271	1.942785	51.7401	2.53831	14.34721	10.1187445	209.8939
2892	488662.63	3858467.85	14.25565	5.93676	16.62679	43.21071	107.5981	21.14667	7.84073	5.93676	146.275907	2.671813085	0.0004218	2.238375	49.61888	2.92554	13.5371	9.83684948	207.4312
2893	488637.63	3858492.85	14.24301	6.39773	16.1971	33.3284	112.5426	16.1721	8.89835	6.39773	146.146209	2.879270634	0.0004109	1.726458	51.89907	2.23733	15.36309	10.6006487	209.6512
2894	488662.63	3858492.85	14.16276	6.23924	16.27862	37.36644	108.5774	18.1474	8.36038	6.23924	145.322771	2.807942897	0.000413	1.935634	50.07051	2.5106	14.43428	10.3380404	206.7441
2895	488687.63	3858492.85	14.04901	6.09611	16.26237	43.08766	104.0676	20.93852	7.89378	6.09611	144.155593	2.743527861	0.0004125	2.232001	47.99083	2.89674	13.62869	10.1008827	203.5469
2896	488637.63	3858517.85	14.142	6.6975	16.62585	30.66074	112.3824	14.41028	9.57848	6.6975	145.109755	3.014180822	0.0004218	1.588269	51.82518	1.99359	16.53734	11.0973493	208.9714
2897	488662.63	3858517.85	14.0354	6.54965	16.12537	33.16254	109.0823	16.02246	8.95169	6.54965	144.015942	2.947641571	0.0004091	1.717866	50.30334	2.21663	15.45518	10.8523709	205.8046
2898	488687.63	3858517.85	13.91077	6.39777	16.07923	37.23057	105.0373	17.96495	8.4104	6.39777	142.737125	2.879288636	0.0004079	1.928596	48.43797	2.48536	14.52064	10.600715	202.3887
2899	488194.42	3857168.98	7.23568	1.82656	17.46384	7.71858	145.7197	7.57952	3.84371	1.82656	74.2446437	0.822035405	0.000443	0.399833	67.19869	1.04859	6.636204	3.02649859	147.3239
2900	488244.42	3857168.98	7.10236	1.84178	14.82638	7.42958	136.4071	8.7632	3.75456	1.84178	72.8766595	0.8288851	0.0003761	0.384863	62.90416	1.21235	6.482286	3.05171721	141.6379
2901	488294.42	3857168.98	6.98385	1.84076	10.54357	7.09922	128.1757	8.65921	3.66023	1.84076	71.6606394	0.828426053	0.0002675	0.36775	59.10827	1.19796	6.319424	3.05002713	136.4327
2902	488244.42	3857218.98	7.21715	1.86728	11.44074	7.81784	144.2659	9.08985	3.82478	1.86728	74.0545091	0.840361264	0.0002902	0.404975	66.52827	1.25754	6.603521	3.09396915	146.5955
2903	488294.42	3857218.98	7.09078	1.87204	14.77533	7.47728	136.3096	8.40153	3.73424	1.87204	72.7578382	0.842503481	0.0003748	0.387334	62.85921	1.16231	6.447203	3.10185618	141.3549
2904	488294.42	3857268.98	7.18006	1.91351	17.11471	7.91583	138.1933	7.86365	3.79229	1.91351	73.673932	0.861166875	0.0004342	0.410051	63.72791	1.0879	6.547427	3.17056944	143.1382
2905	488139.13	3857111.68	7.22769	1.79221	15.19025	7.61677	140.4041	5.10985	3.86133	1.79221	74.1626591	0.806576336	0.0003853	0.394559	64.7474	0.70692	6.666625	2.96958274	144.5155
2906	488189.13	3857111.68	7.08969	1.81534	16.21851	7.38314	130.3445	6.58717	3.76082	1.81534	72.7466538	0.816985892	0.0004114	0.382457	60.10839	0.9113	6.493094	3.00790774	138.4514
2907	488189.13	3857161.68	7.23021	1.82277	17.59693	7.70144	144.8878	7.30765	3.84306	1.82277	74.1885166	0.820329732	0.0004464	0.398945	66.81505	1.01098	6.635082	3.02021879	146.8491
2908	487951.04	3856961.26	7.24532	1.83971	9.1435	7.41607	121.432	4.96846	3.99152	1.83971	74.3435589	0.827953505	0.000232	0.384163	55.99842	0.68736	6.8914	3.04828734	136.0848
2909	488001.04	3856961.26	7.12319	1.87178	8.82419	7.29426	115.758	4.47977	3.8735	1.87178	73.0903942	0.842386469	0.0002239	0.377853	53.38182	0.61975	6.687637	3.10142538	131.8986
2910	488051.04	3856961.26	7.02081	1.90003	7.05811	6.98042	111.6031	3.90492	3.76132	1.90003	72.0398825	0.855100259	0.000179	0.361596	51.46581	0.54023	6.493957	3.14823391	128.6085
2911	488101.04	3856961.26	6.88505	1.91572	7.22805	6.8213	105.5415	4.06174	3.64302	1.91572	70.6468617	0.862161476	0.0001834	0.353353	48.6705	0.56192	6.289711	3.17423128	124.2105
2912	487951.04	3857011.26	7.39051	1.77563	9.70407	7.7744	132.9383	5.23732	4.08189	1.77563	75.83334	0.799114579	0.0002462	0.402725	61.30453	0.72456	7.047424	2.94211069	143.1698
2913	488001.04	3857011.26	7.27894	1.80922	8.00175	7.55881	130.6346	4.67094	3.97436	1.80922	74.6885306	0.814231613	0.000203	0.391557	60.24219	0.6462	6.861773	2.99776727	140.6469
2914	488051.04	3857011.26	7.16853	1.84062	6.95682	7.29917	123.7834	4.10621	3.86678	1.84062	73.5556238	0.828363047	0.0001765	0.378107	57.08275	0.56807	6.676035	3.04979516	136.0393
2915	488101.04	3857011.26	7.02856	1.86002	6.73429	7.16268	113.023	4.23564	3.75365	1.86002	72.1194045	0.837093932	0.0001708	0.371037	52.1206	0.58598	6.480715	3.08193977	129.4331
2916	488001.04	3857061.26	7.42951	1.78405	7.75913	7.85582	145.2132	4.90631	4.05893	1.78405	76.2335154	0.802903963	0.0001968	0.406942	66.96512	0.67876	7.007784	2.95606211	149.1392
2917	488051.04	3857061.26	7.30061	1.77546	7.58838	7.72961	139.8505	4.3465	3.95444	1.77546	74.9108845	0.799038071	0.0001925	0.400405	64.49209	0.60132	6.827381	2.94182901	145.0895
2918	488101.04	3857061.26	7.17035	1.79785	7.89462	7.53332	130.7017	4.38289	3.8502	1.79785	73.5742986	0.809114594	0.0002003	0.390236	60.27312	0.60635	6.647409	2.97892787	139.3218
2919	487638.98	3856673.79	7.18003	1.98187	7.87506	7.12085	120.7165	4.40185	4.21603	1.98187	73.6736242	0.891931996	0.0001998	0.36887	55.66845	0.60897	7.279019	3.2838378	135.2072
2920	487688.98	3856673.79	7.06236	2.02462	7.81428	6.73406	121.7264	4.35534	4.05659	2.02462	72.4662232	0.911171448	0.0001982	0.348834	56.13416	0.60254	7.003744	3.35467194	134.1122
2921	487638.98	3856723.79	7.30994	1.90979	8.66368	7.61593	128.75	4.62198	4.35	1.90979	75.0066187	0.859492705	0.0002198	0.394516	59.3731	0.63943	7.510319	3.16440563	140.6193
2922	487688.98	3856723.79	7.18974	1.95321	8.41173	7.14745	128.3569	4.51699	4.19685	1.95321	73.7732576	0.879033688	0.0002134	0.370248	59.19183	0.6249	7.245904	3.23634992	138.849
2923	486324.61	3855740.57	7.71621	2.27504	9.66893	7.66805	51.43196	4.35632	4.18135	2.27504	79.1753176	1.023871883	0.0002453	0.397216	23.71787	0.60268	7.219143	3.76960262	108.3667
2924	486374.61	3855740.57	7.73087	2.38011	8.9459	7.57332	50.66352	4.16367	4.13242	2.38011	79.3257425	1.071158181	0.0002269	0.392309	23.3635	0.57602	7.134665	3.94369721	107.9199
2925	486424.61	3855740.57	7.6386	2.48268	8.5307	7.41949	49.43293	4.02823	4.06643	2.48268	78.3789686	1.117319364	0.0002164	0.38434	22.79601	0.55729	7.020733	4.11364944	106.1412
2926	486324.61	3855790.57	7.94744	2.13331	8.82284	9.40962	50.43603	4.72033	4.84015	2.13331	81.5479473	0.960086911	0.0002238	0.487431	23.25859	0.65303	8.356568	3.53476465	111.7291
2927	486374.61	3855790.57	7.94008	2.22286	7.75849	8.23425	51.64219	4.21029	4.27856	2.22286	81.472427	1.0003885	0.0001968	0.426546	23.81481	0.58247	7.386977	3.68314354	111.0007
2928	486424.61	3855790.57	7.80209	2.31527	7.13339	7.34234	52.33122	4.11494	3.97759	2.31527	80.0565244	1.04197722	0.000181	0.380343	24.13256	0.56928	6.867349	3.83626128	109.212
2929	486324.61	3855840.57	8.19013	2.00929	8.44001	10.81653	47.72786	5.42448	5.57776	2.00929	84.038167	0.904272248	0.0002141	0.560311	22.00972	0.75045	9.630059	3.32927107	114.5639
2930	486374.61	3855840.57	8.05671	2.08135	8.19658	9.82777	52.21552	4.93941	5.07953	2.08135	82.6691567	0.936702539	0.0002079	0.509092	24.07921	0.68334	8.76986	3.44867009	114.1989
2931	486424.61	3855840.57	7.96226	2.16471	7.83178	8.79548	54.1171	4.45884	4.58573	2.16471	81.700014	0.974218345	0.0001987	0.455618	24.95612	0.61686	7.917309	3.58679253	113.0335
2932	486324.61	3855890.57	8.32564	1.91384	8.96259	12.12974	44.15496	6.03042	6.34536	1.91384	85.4286225	0.86131539	0.0002274	0.628337	20.36208	0.83428	10.95533	3.17111623	115.8991
2933	486374.61	3855890.57	8.20059	1.97065	8.75839	11.10553	50.63787	5.5756	5.82804	1.97065	84.1454961	0.886882484	0.0002222	0.575282	23.35167	0.77136	10.06217	3.26524694	116.5278
2934	486424.61	3855890.57	8.11293	2.03202	8.42812	10.1977	54.53143	5.14682	5.3158	2.03202	83.2460249	0.914501786	0.0002138	0.528255	25.14719	0.71204	9.177783	3.36693329	116.3591
2935	488735.69	3858285.64	10.99793	4.4173	16.26102	20.13012	68.70415	13.53606	4.94385	4.4173	112.848743	1.987986703	0.0004125	1.042768	31.68294	1.87265	8.535607	7.31919687	150.6519
2936	488765.69	3858285.64	10.71578	4.34504	15.92814	18.92587	64.36673	13.09584	4.78077	4.34504	109.953628	1.955466404	0.0004041	0.980386	29.68274	1.81175	8.254048	7.19946645	145.439
2937	488735.69	3858315.64	11.65166	4.55038	16.90417	21.80471	72.28831	14.20886	5.16187	4.55038	119.556606	2.04787878	0.0004288	1.129514	33.33578	1.96573	8.912021	7.53970232	159.4083
2938	488765.69	3858315.64	11.2485	4.46325	16.44959	20.39831	66.64188	13.72001	4.97979	4.46325	115.419819	2.008666301	0.0004173	1.056661	30.73193	1.8981	8.597658	7.39533322	152.3179
2939	478676.63	3849871.93	5.06749	5.54253	1.21785	3.96498	5.27605	3.23706	5.58729	5.54253	51.9970465	2.494391584	3.089E-05	0.205391	2.433052	0.44783	9.646513	9.1836344	58.04062
2940	479326.63	3849871.93	6.23907	3.80715	0.85321	2.42267	5.20349	2.38358	3.82917	3.80715	64.0185206	1.713391342	2.164E-05	0.125498	2.399591	0.32976	6.611101	6.30821551	68.88966
2941	479376.63	3849871.93	6.31416	3.737	0.8731	2.30998	4.8497	2.35083	3.7586	3.737	64.7890122	1.681820639	2.215E-05	0.11966	2.236441	0.32523	6.489261	6.19198123	69.44946
2942	479426.63	3849871.93	6.37252	3.70112	0.88421	2.174	4.48259	2.35771	3.72378	3.70112	65.3878387	1.665673001	2.243E-05	0.112616	2.067148	0.32618	6.429144	6.13253026	69.85609
2943	478726.63	3849921.93	5.14906	5.9987	1.23297	3.99827	5.23919	3.30459	6.04068	5.9987	52.8340288	2.699688913	3.128E-05	0.207116	2.416054	0.45717	10.4293	9.93948029	59.10391
2944	478776.63	3849921.93	5.34441	5.68881	1.17311	3.87718	5.4944	3.42189	5.73219	5.68881	54.8384971	2.560224263	2.976E-05	0.200843	2.533745	0.4734	9.896684	9.42601144	61.07741
2945	478826.63	3849921.93	5.49256	5.38311	1.11831	3.73096	5.73158	3.47522	5.42191	5.38311	56.3586505	2.422645304	2.837E-05	0.193269	2.64312	0.48078	9.360983	8.91948518	62.53999
2946	478976.63	3849921.93	5.78573	4.74187	0.98612	3.12268	6.2396	3.33448	4.747	4.74187	59.3668408	2.134058024	2.502E-05	0.161759	2.877394	0.46131	8.195744	7.85698958	65.34014

2947	479026.63	3849921.93	5.82773	4.80131	0.95508	2.87073	6.26897	3.2713	4.62645	4.80131	59.7977989	2.160808738	2.423E-05	0.148708	2.890938	0.45257	7.987613	7.95547804	65.48298
2948	479076.63	3849921.93	5.87562	4.75812	0.92162	2.62294	6.28605	3.15678	4.48472	4.75812	60.2891938	2.141371266	2.338E-05	0.135872	2.898814	0.43673	7.742915	7.88391484	65.761
2949	479126.63	3849921.93	5.92189	4.64831	0.8885	2.56989	6.26106	3.02526	4.34791	4.64831	60.763966	2.091951752	2.254E-05	0.133124	2.88729	0.41853	7.506711	7.70196636	66.09963
2950	479176.63	3849921.93	5.96005	4.55415	0.85852	2.58069	6.16016	2.92465	4.21642	4.55415	61.1555222	2.049575452	2.178E-05	0.133683	2.84076	0.40461	7.279692	7.54594898	66.31792
2951	479226.63	3849921.93	6.03428	4.24381	0.8227	2.59322	6.05073	2.73856	4.15324	4.24381	61.9171894	1.909908281	2.087E-05	0.134332	2.790296	0.37887	7.170611	7.03173451	67.26949
2952	479276.63	3849921.93	6.13873	4.05637	0.80593	2.59612	5.89173	2.51616	4.0881	4.05637	62.9889412	1.825551722	2.044E-05	0.134483	2.716973	0.3481	7.058146	6.72115786	68.35106
2953	479326.63	3849921.93	6.17775	4.00618	0.84084	2.50691	5.59468	2.61005	4.01309	4.00618	63.3893218	1.802963931	2.133E-05	0.129861	2.579989	0.36109	6.928641	6.63799609	68.55389
2954	479376.63	3849921.93	6.29198	3.80679	0.86788	2.44782	5.30276	2.43093	3.83489	3.80679	64.5614252	1.713229326	2.202E-05	0.1268	2.44537	0.33631	6.620976	6.30761901	69.49651
2955	479426.63	3849921.93	6.34942	3.82861	0.8862	2.32856	4.96672	2.49808	3.85109	3.82861	65.1508118	1.723049322	2.248E-05	0.120623	2.290405	0.3456	6.648946	6.34377342	69.93568
2956	478726.63	3849971.93	4.99048	6.69533	1.31672	4.11404	4.92362	3.20163	6.73683	6.69533	51.206854	3.013204223	3.34E-05	0.213113	2.270529	0.44293	11.63121	11.0937537	57.68412
2957	478776.63	3849971.93	5.24089	6.38289	1.24666	4.03991	5.20592	3.36647	6.42453	6.38289	53.7762879	2.872591956	3.163E-05	0.209273	2.400712	0.46573	11.09202	10.5760597	60.24059
2958	478826.63	3849971.93	5.4304	6.08385	1.18412	3.92771	5.47281	3.47274	6.12296	6.08385	55.7208325	2.738010301	3.004E-05	0.203461	2.523788	0.48044	10.57135	10.0805686	62.15734
2959	478976.63	3849971.93	5.73302	5.23957	1.0438	3.38205	6.04628	3.51418	5.27769	5.23957	58.8259883	2.35804575	2.648E-05	0.175195	2.788244	0.48617	9.111985	8.68164814	65.06401
2960	479026.63	3849971.93	5.81394	4.96376	1.00226	3.16523	6.19012	3.42042	5.00015	4.96376	59.656301	2.233918656	2.543E-05	0.163963	2.854576	0.4732	8.63281	8.22464778	65.79014
2961	479076.63	3849971.93	5.87725	4.93235	0.96451	2.92706	6.28436	3.30223	4.75107	4.93235	60.305919	2.219782721	2.447E-05	0.151626	2.898035	0.45685	8.202771	8.17260333	66.0624
2962	479126.63	3849971.93	5.91942	4.88243	0.93086	2.68089	6.31137	3.18653	4.58581	4.88243	60.7386215	2.197316442	2.361E-05	0.138874	2.910491	0.44084	7.917447	8.08988893	66.25373
2963	479176.63	3849971.93	5.95184	4.77546	0.89872	2.56547	6.27685	3.05604	4.45285	4.77546	61.0712801	2.149175058	2.28E-05	0.132895	2.894572	0.42279	7.687891	7.91264616	66.44598
2964	479226.63	3849971.93	6.06759	4.44886	0.85082	2.65051	6.33731	2.74218	4.47875	4.44886	62.2589802	2.002190144	2.158E-05	0.1373	2.922453	0.37937	7.732607	7.37148987	68.06143
2965	479276.63	3849971.93	6.07651	4.36042	0.83136	2.61013	6.12004	2.77996	4.24329	4.36042	62.3505075	1.962388106	2.109E-05	0.135208	2.822259	0.38459	7.326083	7.22495018	67.75611
2966	479326.63	3849971.93	6.11158	4.40186	0.82237	2.54887	5.87196	2.78151	4.11275	4.40186	62.7103575	1.981037998	2.086E-05	0.132035	2.707856	0.38481	7.100705	7.29361373	67.72321
2967	479376.63	3849971.93	6.24215	4.04062	0.85688	2.54057	5.69279	2.58579	4.06371	4.04062	64.0501242	1.818463503	2.174E-05	0.131605	2.625232	0.35773	7.016037	6.69506107	69.30415
2968	479426.63	3849971.93	6.31864	3.9431	0.88222	2.45389	5.39416	2.57978	3.95807	3.9431	64.834981	1.77457505	2.238E-05	0.127115	2.487519	0.3569	6.833648	6.53347637	69.88128
2969	478726.63	3850021.93	4.79519	7.31404	1.41252	4.1684	4.58621	3.05446	7.3479	7.31404	49.2030014	3.291651974	3.583E-05	0.215929	2.114932	0.42257	12.68622	12.1189185	55.81543
2970	478776.63	3850021.93	5.0935	6.997	1.33086	4.1494	4.88796	3.26501	7.03316	6.997	52.2639327	3.148969498	3.376E-05	0.214945	2.254085	0.4517	12.14282	11.5936025	58.88288
2971	478826.63	3850021.93	5.34107	6.69464	1.26029	4.08249	5.17196	3.42762	6.73105	6.69464	54.8042256	3.012893691	3.197E-05	0.211479	2.385051	0.47419	11.62123	11.0926104	61.41649
2972	478976.63	3850021.93	5.70955	5.85324	1.09875	3.64244	5.85994	3.60184	5.89	5.85324	58.5851648	2.634225271	2.787E-05	0.188683	2.702313	0.4983	10.16914	9.69846193	65.07939
2973	478726.63	3850071.93	4.5882	7.90502	1.52323	4.15548	4.23404	2.87008	7.93101	7.90502	47.0790961	3.55761996	3.864E-05	0.21526	1.952529	0.39706	13.69297	13.0981363	53.79644
2974	478776.63	3850071.93	4.89294	7.56555	1.43076	4.18807	4.54316	3.12596	7.59381	7.56555	50.2060051	3.404842959	3.63E-05	0.216948	2.09508	0.43246	13.11079	12.5356552	56.93051
2975	478826.63	3850071.93	5.20554	7.24818	1.3483	4.1755	4.84407	3.33604	7.279	7.24818	53.4135648	3.262011967	3.42E-05	0.216297	2.233845	0.46152	12.56727	12.0097925	60.14475
2976	478876.63	3850071.93	5.44526	6.94977	1.27687	4.11508	5.12767	3.4964	6.98208	6.94977	55.8733096	3.127713841	3.239E-05	0.213167	2.364627	0.48371	12.05463	11.5153453	62.60185
2977	478976.63	3850071.93	5.68569	6.39156	1.16149	3.86433	5.61595	3.65914	6.42603	6.39156	58.3403396	2.876493852	2.946E-05	0.200178	2.589797	0.50622	11.09461	10.5904254	65.01724
2978	478726.63	3850121.93	4.4148	8.55612	1.64935	4.07624	3.87663	2.65285	8.57044	8.55612	45.2998548	3.85064469	4.184E-05	0.211155	1.787709	0.36701	14.79695	14.1769694	52.1364
2979	478776.63	3850121.93	4.67402	8.15976	1.54522	4.15891	4.18919	2.94547	8.17661	8.15976	47.9596872	3.672264592	3.92E-05	0.215437	1.931846	0.40749	14.117	13.520225	54.78354
2980	478826.63	3850121.93	5.00859	7.80444	1.44996	4.20323	4.49819	3.19882	7.82475	7.80444	51.3926791	3.512354367	3.678E-05	0.217733	2.074342	0.44254	13.50951	12.9314814	58.21772
2981	478876.63	3850121.93	5.33837	7.47881	1.3651	4.20259	4.80106	3.40445	7.5024	7.47881	54.7765212	3.365805998	3.463E-05	0.2177	2.214011	0.47099	12.95297	12.3919323	61.6061
2982	478976.63	3850121.93	5.67519	6.89254	1.23239	4.03872	5.3337	3.67209	6.91852	6.89254	58.2326001	3.101957728	3.126E-05	0.209211	2.459638	0.50802	11.94489	11.4205187	65.03583
2983	479026.63	3850121.93	5.75985	6.62493	1.17628	3.90496	5.57021	3.71791	6.65179	6.62493	59.1012885	2.981521008	2.984E-05	0.202282	2.568704	0.51435	11.48438	10.9771052	65.87546
2984	479076.63	3850121.93	5.84354	6.3637	1.12415	3.74529	5.79559	3.70147	6.39284	6.3637	59.9600239	2.86395558	2.852E-05	0.194011	2.672638	0.51208	11.0373	10.544263	66.69578
2985	479126.63	3850121.93	5.91515	6.11833	1.07808	3.55325	5.98726	3.64304	6.14873	6.11833	60.6948074	2.753527876	2.735E-05	0.184063	2.761027	0.504	10.61584	10.1376999	67.37559
2986	478776.63	3850171.93	4.49482	8.92433	1.67372	4.07013	3.83355	2.72752	8.86639	8.92433	46.1209326	4.016356004	4.246E-05	0.210838	1.767843	0.37734	15.30791	14.7870709	53.01419
2987	478826.63	3850171.93	4.77661	8.41893	1.56462	4.16944	4.14652	3.01611	8.42755	8.41893	49.0123537	3.788902926	3.969E-05	0.215983	1.912169	0.41726	14.55025	13.9496539	55.94731
2988	478876.63	3850171.93	5.14976	8.04015	1.46734	4.22121	4.45569	3.26755	8.0521	8.04015	52.8412114	3.61843463	3.722E-05	0.218665	2.054743	0.45205	13.90203	13.3220385	59.76513
2989	478976.63	3850171.93	5.68133	7.37656	1.31355	4.16378	5.02195	3.63788	7.3977	7.37656	58.295602	3.319788829	3.332E-05	0.21569	2.315874	0.50328	12.7722	12.2225103	65.19996
2990	479026.63	3850171.93	5.76626	7.08765	1.25069	4.06812	5.27034	3.74067	7.11005	7.08765	59.1670609	3.189766137	3.173E-05	0.210734	2.430419	0.5175	12.27557	11.7438041	66.04728
2991	479076.63	3850171.93	5.84486	6.82466	1.19051	3.94459	5.52468	3.77223	6.8487	6.82466	59.9735683	3.071408628	3.02E-05	0.204335	2.547708	0.52187	11.82435	11.3080457	66.83522
2992	479126.63	3850171.93	5.91687	6.57364	1.13848	3.78277	5.74561	3.75621	6.59684	6.57364	60.7124562	2.958438166	2.888E-05	0.195953	2.64959	0.51965	11.38951	10.8921208	67.53351
2993	479176.63	3850171.93	5.97229	6.333	1.09364	3.59051	5.9195	3.70682	6.35855	6.333	61.2811157	2.850139178	2.774E-05	0.185993	2.72978	0.51282	10.9781	10.493395	68.04458
2994	479226.63	3850171.93	5.99261	6.09968	1.05708	3.37341	5.99636	3.65623	6.12852	6.09968	61.4896173	2.745134524	2.682E-05	0.174747	2.765224	0.50582	10.58095	10.106798	68.15473
2995	479276.63	3850171.93	5.99098	5.86485	1.02302	3.14818	6.01204	3.59254	5.89578	5.86485	61.4728921	2.639450301	2.595E-05	0.16308	2.772454	0.49701	10.17912	9.71769899	68.00634
2996	479326.63	3850171.93	6.01183	5.77202	0.9839	2.91391	6.1269	3.4588	5.69906	5.77202	61.686832	2.597672563	2.496E-05	0.150945	2.825422	0.47851	9.839485	9.56388534	68.015
2997	479376.63	3850171.93	6.03956	5.56442	0.94691	2.67481	6.20133	3.3179	5.49087	5.56442	61.971367	2.504243083	2.402E-05	0.138559	2.859746	0.45902	9.480043	9.21990479	68.19309
2998	478676.63	3850221.93	4.22215	11.8756	2.0887	3.49805	3.37648	2.09555	11.8348	11.8756	43.3230909	5.344562265	5.299E-05	0.181204	1.557065	0.28991	20.43283	19.6771454	51.45157
2999	478726.63	3850221.93	4.29689	10.82747	1.95034	3.72662	3.43604	2.15446	10.7788	10.82747	44.0899912	4.872855905	4.948E-05	0.193044	1.584531	0.29806	18.60964	17.9404579	51.70771
3000	478976.63	3850221.93	5.67036	7.88112	1.40835	4.24044	4.68592	3.55758	7.89391	7.88112	58.1830399	3.546863868	3.573E-05	0.219661	2.160914	0.49217	13.62892	13.0585355	65.17307
3001	479026.63	3850221.93	5.8102	7.5447	1.3349	4.1972	4.95157	3.71204	7.55974	7.5447	59.6179252	3.395459507	3.386E-05	0.217421	2.283418	0.51354	13.05197	12.5011081	66.57866
3002	479076.63	3850221.93	5.87498	7.25916	1.26594	4.11779	5.21914	3.79825	7.27858	7.25916	60.2826268	3.266953468	3.211E-05	0.213307	2.406808	0.52547	12.56654	12.0279857	67.23375
3003	479126.63	3850221.93	5.93807	6.99167	1.20634	3.99605	5.46212	3.83048	7.0124	6.99167	60.9299874	3.146570754	3.06E-05	0.207001	2.518859	0.52993	12.10698	11.5847711	67.85459
3004	479176.63	3850221.93	5.98869	6.72826	1.15722	3.8337	5.6439	3.82794	6.74999	6.72826	61.4493946	3.028024226	2.936E-05	0.198591	2.602687	0.52958	11.65393	11.1483167	68.31391
3005	479226.63	3850221.93	6.02551	6.47821	1.11328	3.64503	5.783	3.78905	6.50418	6.47821	61.8272012	2.915490309	2.824E-05	0.188818	2.666833	0.5242	11.22953	10.7339991	68.6181

3006	479276.63	3850221.93	6.04104	6.24096	1.07326	3.43583	5.87717	3.72446	6.26777	6.24096	61.9865531	2.808716975	2.723E-05	0.177981	2.710259	0.51526	10.82137	10.3408903	68.67928
3007	479326.63	3850221.93	6.06065	6.05154	1.03032	3.21357	6.04281	3.59862	6.07704	6.05154	62.1877695	2.723469326	2.614E-05	0.166467	2.786644	0.49785	10.49207	10.0270329	68.82727
3008	479376.63	3850221.93	6.06161	5.9134	0.99242	2.97816	6.13736	3.47522	5.88159	5.9134	62.19762	2.661300018	2.518E-05	0.154273	2.830246	0.48078	10.15462	9.79814339	68.68072
3009	478676.63	3850271.93	4.27684	15.00495	2.27823	3.20007	3.31201	2.01141	15.0128	15.00495	43.88426	6.752912658	5.779E-05	0.165768	1.527335	0.27827	25.91982	24.8622876	53.66613
3010	478726.63	3850271.93	4.34884	13.15981	2.12669	3.46743	3.37758	2.09202	13.086	13.15981	44.6230453	5.922515405	5.395E-05	0.179618	1.557572	0.28942	22.59318	21.8050031	53.3604
3011	478976.63	3850271.93	5.53249	8.88966	1.51412	4.25429	4.34946	3.42335	8.83692	8.88966	56.7683686	4.000752921	3.841E-05	0.220378	2.005755	0.4736	15.25703	14.7296248	63.9963
3012	479026.63	3850271.93	5.88	8.06869	1.43076	4.2651	4.62442	3.6317	8.07327	8.06869	60.3341365	3.631278933	3.63E-05	0.220938	2.132553	0.50243	13.93858	13.3693276	67.39063
3013	479076.63	3850271.93	5.95175	7.71622	1.35329	4.23544	4.89347	3.77672	7.72631	7.71622	61.0703567	3.472651339	3.433E-05	0.219402	2.256625	0.52249	13.33955	12.7853062	68.09581
3014	479126.63	3850271.93	5.99262	7.40301	1.28513	4.16042	5.14462	3.86361	7.41666	7.40301	61.48972	3.331692537	3.26E-05	0.215516	2.372443	0.53451	12.80494	12.2663364	68.48252
3015	479176.63	3850271.93	6.03631	7.10904	1.2267	4.04191	5.36106	3.90005	7.12542	7.10904	61.938019	3.199392614	3.112E-05	0.209377	2.472255	0.53955	12.30211	11.779246	68.88149
3016	479226.63	3850271.93	6.07497	6.8331	1.17574	3.88639	5.53657	3.89301	6.85261	6.8331	62.3347057	3.075207014	2.983E-05	0.20132	2.553191	0.53858	11.8311	11.3220302	69.2121
3017	479276.63	3850271.93	6.10722	6.59681	1.12757	3.70585	5.70617	3.83808	6.61843	6.59681	62.66562	2.968865724	2.86E-05	0.191968	2.631402	0.53098	11.42679	10.9305121	69.48514
3018	479326.63	3850271.93	6.12938	6.40066	1.08085	3.50328	5.89671	3.73504	6.42385	6.40066	62.8930017	2.880589268	2.742E-05	0.181475	2.71927	0.51672	11.09084	10.6055035	69.67643
3019	479376.63	3850271.93	6.13648	6.21619	1.03696	3.28012	6.08562	3.59822	6.23857	6.21619	62.9658541	2.797569344	2.631E-05	0.169915	2.806386	0.4978	10.77095	10.299848	69.70865
3020	479053.24	3850293.52	5.98509	8.23161	1.43325	4.27235	4.62197	3.68159	8.19299	8.23161	61.4124553	3.704600373	3.636E-05	0.221314	2.131423	0.50933	14.14528	13.6392761	68.48516
3021	479103.24	3850293.52	6.01698	7.74046	1.3566	4.24041	4.88258	3.82022	7.7478	7.74046	61.7396757	3.483560446	3.441E-05	0.219659	2.251604	0.52851	13.37666	12.8254704	68.77423
3022	479153.24	3850293.52	6.05266	7.43188	1.28708	4.1673	5.13562	3.89638	7.44276	7.43188	62.1057848	3.344685355	3.265E-05	0.215872	2.368293	0.53905	12.85	12.3141722	69.10954
3023	479203.24	3850293.52	6.08806	7.12368	1.22978	4.04721	5.33792	3.92856	7.13842	7.12368	62.469021	3.205981282	3.12E-05	0.209651	2.461584	0.5435	12.32455	11.8035036	69.41082
3024	479253.24	3850293.52	6.12432	6.85957	1.17688	3.89449	5.52653	3.90886	6.87679	6.85957	62.8410815	3.087119722	2.985E-05	0.20174	2.548561	0.54077	11.87285	11.3658894	69.72626
3025	479303.24	3850293.52	6.15699	6.64557	1.12598	3.71586	5.73195	3.83538	6.66496	6.64557	63.1763053	2.990809951	2.856E-05	0.192487	2.643291	0.53061	11.50712	11.0113045	70.02934
3026	479353.24	3850293.52	6.17385	6.45527	1.07864	3.51179	5.94025	3.72038	6.47475	6.45527	63.3493042	2.905166261	2.736E-05	0.181916	2.739348	0.5147	11.17872	10.6959889	70.17319
3027	479153.24	3850343.52	6.18179	8.02313	1.37725	4.27307	4.4705	3.88435	7.98276	8.02313	63.4307758	3.610774853	3.494E-05	0.221351	2.061573	0.53738	13.78232	13.2938374	70.35037
3028	479203.24	3850343.52	6.19263	7.562	1.3086	4.20453	4.65451	3.96063	7.56597	7.562	63.5420041	3.403245297	3.32E-05	0.217801	2.146429	0.54793	13.06272	12.5297731	70.3904
3029	479253.24	3850343.52	6.22072	7.27945	1.24396	4.1006	4.82252	3.97372	7.28707	7.27945	63.830233	3.276084895	3.156E-05	0.212417	2.223907	0.54974	12.5812	12.061605	70.61201
3030	479303.24	3850343.52	6.25369	7.03999	1.18529	3.96015	5.52603	3.93138	7.0507	7.03999	64.1685351	3.168316961	3.007E-05	0.205141	2.548331	0.54389	12.17311	11.6648344	71.14251
3031	479353.24	3850343.52	6.2748	6.82208	1.13284	3.78515	5.75565	3.84478	6.83497	6.82208	64.3851429	3.070247511	2.874E-05	0.196076	2.65422	0.53191	11.80064	11.3037708	71.3345
3032	479203.24	3850393.52	6.36518	8.77624	1.39659	4.30485	4.46882	3.94352	8.75129	8.77624	65.3125237	3.949708742	3.543E-05	0.222997	2.060798	0.54557	15.10919	14.5416948	72.65913
3033	479253.24	3850393.52	6.36378	7.82294	1.32181	4.25358	4.65865	4.00569	7.81701	7.82294	65.2981584	3.520680212	3.353E-05	0.220341	2.148338	0.55417	13.49615	12.9621348	72.27573
3034	479303.24	3850393.52	6.38007	7.52019	1.25428	4.16036	4.83281	4.00705	7.51884	7.52019	65.4653086	3.384428888	3.182E-05	0.215512	2.228652	0.55436	12.98135	12.4604965	72.36915
3035	479353.24	3850393.52	6.39757	7.2585	1.19413	4.02557	4.98842	3.95455	7.2609	7.2585	65.6448745	3.266656438	3.029E-05	0.20853	2.300412	0.54709	12.53602	12.0268921	72.47672
3036	479403.24	3850393.52	6.4002	7.01588	1.14128	3.8537	5.75751	3.8613	7.02175	7.01588	65.6718607	3.15746636	2.895E-05	0.199627	2.655078	0.53419	12.12312	11.6248856	72.71649
3037	479453.24	3850393.52	6.37997	6.80655	1.09233	3.65206	6.00103	3.72612	6.81401	6.80655	65.4642825	3.063258301	2.771E-05	0.189182	2.767377	0.51549	11.76446	11.2780385	72.48604
3038	479503.24	3850393.52	6.335	6.59992	1.04742	3.42513	6.23292	3.5646	6.60726	6.59992	65.0028495	2.970265366	2.657E-05	0.177427	2.874313	0.49314	11.4075	10.9356652	71.98986
3039	479303.24	3850443.52	6.56496	8.67813	1.33029	4.31222	4.66125	4.04118	8.62626	8.67813	67.3624478	3.905554762	3.375E-05	0.223379	2.149537	0.55908	14.89333	14.3791325	74.71422
3040	479353.24	3850443.52	6.56814	7.90443	1.25983	4.22922	4.84097	4.0267	7.89028	7.90443	67.3950775	3.557354433	3.196E-05	0.21908	2.232415	0.55707	13.62265	13.0971587	74.48652
3041	479403.24	3850443.52	6.5724	7.60543	1.19761	4.10083	5.56951	3.95558	7.5966	7.60543	67.4387889	3.42279078	3.038E-05	0.212429	2.568382	0.54724	13.11561	12.601734	74.70353
3042	479453.24	3850443.52	6.55966	7.33079	1.14296	3.93139	5.84399	3.83997	7.32567	7.33079	67.308065	3.299190239	2.899E-05	0.203651	2.694958	0.53124	12.64784	12.1466722	74.53831
3043	479503.24	3850443.52	6.51375	7.06831	1.09399	3.72889	6.10774	3.69082	7.06803	7.06831	66.8369867	3.181062254	2.775E-05	0.193162	2.816586	0.51061	12.20303	11.7117589	74.0297
3044	480327.18	3850987.04	7.41882	9.28897	1.13007	3.05646	6.08615	3.44375	9.19961	9.28897	76.1238263	4.180460654	2.867E-05	0.158329	2.80663	0.47643	15.88322	15.3912571	84.23766
3045	480377.18	3850987.04	7.47006	8.58079	1.12263	2.90993	6.07792	3.39248	8.6575	8.58079	76.6495952	3.861747317	2.848E-05	0.150738	2.802835	0.46933	14.94726	14.217846	84.66369
3046	480427.18	3850987.04	7.53323	8.19815	1.10286	2.87267	6.03269	3.36132	8.05835	8.19815	77.2977768	3.689541845	2.798E-05	0.148808	2.781977	0.46502	13.91282	13.5838349	84.71214
3047	480477.18	3850987.04	7.61197	8.27308	1.1816	2.811	5.94968	3.35588	7.91026	8.27308	78.1057206	3.723263766	2.997E-05	0.145614	2.743697	0.46427	13.65714	13.7079893	85.13175
3048	480327.18	3851037.04	7.52013	11.58931	1.14075	3.41725	6.10945	3.52549	11.4305	11.58931	77.1633589	5.215718692	2.894E-05	0.177018	2.817375	0.48773	19.73493	19.2027803	86.39338
3049	480377.18	3851037.04	7.57199	10.40613	1.14421	3.12875	6.14609	3.45753	10.2839	10.40613	77.6954896	4.683233666	2.903E-05	0.162074	2.834272	0.47833	17.75521	17.2423232	86.36631
3050	480427.18	3851037.04	7.61	9.4328	1.13386	2.94332	6.14539	3.4065	9.33876	9.4328	78.0855067	4.245190721	2.876E-05	0.152468	2.833949	0.47127	16.12346	15.6295747	86.2823
3051	480477.18	3851037.04	7.65675	8.65375	1.10949	2.90481	6.10527	3.37766	8.62922	8.65375	78.5652041	3.894582648	2.815E-05	0.150473	2.815447	0.46728	14.89844	14.3387363	86.45272
3052	480622.06	3851087.39	7.90457	9.81521	2.0276	2.79976	6.00999	3.37678	9.78476	9.81521	81.1080622	4.417292683	5.144E-05	0.145031	2.771509	0.46716	16.89349	16.2632047	89.53939
3053	480672.06	3851087.39	7.94588	11.05546	2.657	2.69546	5.87012	3.36729	11.3118	11.05546	81.5319403	4.975461816	6.74E-05	0.139629	2.707008	0.46585	19.52994	18.3182234	91.03167
3054	480622.06	3851137.39	7.9687	9.70233	1.74141	2.90748	6.19187	3.40627	9.6148	9.70233	81.7660942	4.366491529	4.418E-05	0.150612	2.855383	0.47124	16.60005	16.0761695	90.13375
3055	480672.06	3851137.39	8.03419	10.45718	2.31044	2.82675	6.09391	3.39052	10.4045	10.45718	82.438081	4.706208497	5.861E-05	0.14643	2.810209	0.46906	17.96341	17.3269099	91.20654
3056	480722.06	3851137.39	8.07383	11.94752	2.99622	2.72219	5.95841	3.37468	12.2232	11.94752	82.8448234	5.376929549	7.601E-05	0.141013	2.747723	0.46687	21.10353	19.7963125	92.88465
3057	480622.06	3851187.39	8.07453	12.14847	1.47813	2.99223	6.32257	3.44808	12.0468	12.14847	82.852006	5.467366225	3.75E-05	0.155002	2.915655	0.47702	20.79899	20.1292744	92.53681
3058	480672.06	3851187.39	8.11449	10.81182	1.99626	2.93287	6.26852	3.43366	10.7234	10.81182	83.2620319	4.86581269	5.064E-05	0.151927	2.89073	0.47503	18.51409	17.9145268	92.24515
3059	480722.06	3851187.39	8.17362	11.21231	2.63251	2.84972	6.17506	3.42087	11.2137	11.21231	83.8687594	5.046051478	6.678E-05	0.147619	2.847631	0.47326	19.36051	18.5781143	93.16579
3060	471363.09	3845877.25	2.05639	1.76859	0.45064	0.54467	0.97264	1.08495	1.70384	1.76859	21.1004277	0.795946258	1.143E-05	0.028215	0.448533	0.1501	2.941697	2.93044584	22.53448
3061	471863.09	3845877.25	2.22663	1.46078	0.51825	0.6413	1.25171	1.20286	1.29187	1.46078	22.8472446	0.657417702	1.315E-05	0.03322	0.577227	0.16641	2.230427	2.42042343	24.09154
3062	472363.09	3845877.25	2.23801	1.44846	1.30706	0.96379	1.73064	1.25107	1.37449	1.44846	22.9640138	0.65187314	3.316E-05	0.049926	0.798085	0.17308	2.373071	2.40000994	24.61007
3063	472863.09	3845877.25	2.07162	1.46936	1.0027	1.26939	2.18507	1.21737	1.53112	1.46936	21.2567014	0.661279094	2.544E-05	0.065756	1.007646	0.16842	2.643494	2.43463996	23.36868
3064	473363.09	3845877.25	1.76107	1.40001	1.1158	1.44233	2.51991	1.10676	1.58398	1.40001	18.0701765	0.630068427	2.831E-05	0.074715	1.162057	0.15311	2.734758	2.31973124	20.50519

3065	473863.09	3845877.25	1.40418	1.19656	0.85198	1.93568	2.62013	0.93627	1.44008	1.19656	14.4081612	0.538506637	2.161E-05	0.100271	1.208274	0.12953	2.486313	1.98262699	16.88845
3066	474363.09	3845877.25	1.19232	0.93102	0.5929	1.21756	3.1834	0.73846	1.25929	0.93102	12.2342853	0.419001512	1.504E-05	0.063071	1.468026	0.10216	2.174177	1.5426434	14.9181
3067	474863.09	3845877.25	2.06727	0.82843	0.59809	1.45149	2.21984	0.67598	1.09741	0.82843	21.2120664	0.372831328	1.517E-05	0.075189	1.02368	0.09352	1.894689	1.37265802	23.29933
3068	475363.09	3845877.25	3.36469	1.07904	0.53607	0.7337	2.38251	1.17522	1.01846	1.07904	34.5247731	0.485617271	1.36E-05	0.038007	1.098695	0.16259	1.758382	1.78790351	36.28017
3069	475863.09	3845877.25	4.18842	1.31355	0.41988	0.49009	1.20479	1.1623	0.98795	1.31355	42.9769905	0.591157479	1.065E-05	0.025387	0.555589	0.1608	1.705706	2.17647229	43.83917
3070	476363.09	3845877.25	3.92921	1.27317	0.46373	1.03955	0.86588	1.12052	1.42766	1.27317	40.3172607	0.572984636	1.176E-05	0.05385	0.399301	0.15502	2.464869	2.10956509	41.85373
3071	476863.09	3845877.25	2.81889	0.8044	0.40459	1.48868	0.86806	1.09257	1.14131	0.8044	28.9243698	0.362016731	1.026E-05	0.077116	0.400306	0.15115	1.970483	1.33284177	30.55261
3072	477363.09	3845877.25	1.80503	0.71322	0.40187	1.64469	3.05258	0.91778	0.93825	0.71322	18.521246	0.320981567	1.019E-05	0.085197	1.407698	0.12697	1.619898	1.18176207	20.90024
3073	477863.09	3845877.25	1.94716	0.58582	0.38489	1.19153	4.98338	0.60486	0.59118	0.58582	19.9796288	0.26364575	9.764E-06	0.061723	2.298087	0.08368	1.020678	0.97066803	22.73678
3074	478363.09	3845877.25	2.20414	0.54978	0.4897	0.67679	4.41421	0.31827	0.55358	0.54978	22.6164768	0.247426104	1.242E-05	0.035059	2.035615	0.04403	0.955761	0.91095195	25.02343
3075	478863.09	3845877.25	2.02814	0.52668	0.54764	0.49493	1.30698	0.39809	0.53044	0.52668	20.8105571	0.237030049	1.389E-05	0.025638	0.602714	0.05507	0.91581	0.87267666	21.77416
3076	479363.09	3845877.25	2.51515	0.59975	0.54544	0.63295	0.71355	0.47627	0.55962	0.59975	25.8077217	0.269914886	1.384E-05	0.032788	0.329054	0.06589	0.96619	0.9937492	26.47782
3077	479863.09	3845877.25	2.33215	0.5781	0.66639	0.57974	0.76011	0.47629	0.58227	0.5781	23.9299756	0.260171397	1.69E-05	0.030031	0.350525	0.06589	1.005295	0.95787647	24.68403
3078	480363.09	3845877.25	2.35688	0.51179	0.90147	0.48249	0.86705	0.52786	0.42872	0.51179	24.1837278	0.230328869	2.287E-05	0.024994	0.39984	0.07303	0.740189	0.84800484	24.80413
3079	480863.09	3845877.25	2.40585	0.46647	0.83486	0.5205	1.17832	0.56514	0.41938	0.46647	24.6862045	0.2099328	2.118E-05	0.026963	0.543383	0.07818	0.724064	0.77291236	25.49584
3080	481363.09	3845877.25	2.38683	0.40816	0.63654	0.52944	1.41021	0.6046	0.41114	0.40816	24.491042	0.183690637	1.615E-05	0.027426	0.650319	0.08364	0.709837	0.67629624	25.46968
3081	481863.09	3845877.25	1.77981	0.35492	0.37131	0.50897	1.4674	0.73875	0.35768	0.35492	18.2624659	0.159730206	9.419E-06	0.026365	0.676692	0.1022	0.617538	0.58808081	19.25692
3082	482363.09	3845877.25	1.32428	0.35315	0.36412	0.46434	1.31244	0.84919	0.35566	0.35315	13.5883147	0.158933626	9.237E-06	0.024053	0.605232	0.11748	0.614051	0.58514803	14.52293
3083	482863.09	3845877.25	1.31341	0.36531	0.50634	0.53903	1.48734	0.8566	0.36797	0.36531	13.4767786	0.164406181	1.284E-05	0.027923	0.685887	0.11851	0.635304	0.6052964	14.50352
3084	483363.09	3845877.25	1.16344	0.36747	0.63979	0.69322	2.8489	0.75332	0.37024	0.36747	11.9379503	0.165378279	1.623E-05	0.03591	1.313771	0.10422	0.639223	0.60887539	13.58759
3085	483863.09	3845877.25	0.88976	0.36659	0.67083	0.80646	3.52489	0.57895	0.36926	0.36659	9.12974512	0.164982239	1.702E-05	0.041776	1.625504	0.08009	0.637531	0.60741729	11.07223
3086	484363.09	3845877.25	0.78332	0.36983	0.61222	0.80228	2.75649	0.40004	0.37255	0.36983	8.03757412	0.166440387	1.553E-05	0.041559	1.271156	0.05534	0.643211	0.61278577	9.602515
3087	484863.09	3845877.25	0.75606	0.3726	0.49926	0.67275	1.65776	0.32461	0.37535	0.3726	7.75786178	0.167687014	1.267E-05	0.034849	0.764477	0.04491	0.648046	0.61737549	8.800466
3088	485363.09	3845877.25	0.73291	0.37494	0.44461	0.54841	1.05719	0.36212	0.37773	0.37494	7.52032177	0.168740121	1.128E-05	0.028408	0.487524	0.0501	0.652155	0.62125273	8.286005
3089	485863.09	3845877.25	0.73722	0.37692	0.46403	0.51565	1.01557	0.42143	0.37975	0.37692	7.56454628	0.169631211	1.177E-05	0.026711	0.46833	0.0583	0.655642	0.62453347	8.318643
3090	486363.09	3845877.25	0.76473	0.37857	0.42927	0.46214	0.9194	0.48684	0.38143	0.37857	7.84682385	0.170373786	1.089E-05	0.023939	0.423982	0.06735	0.658543	0.62726742	8.563757
3091	486863.09	3845877.25	0.79293	0.37994	0.37264	0.39987	1.51071	0.53443	0.38281	0.37994	8.13618144	0.170990349	9.453E-06	0.020714	0.696664	0.07394	0.660925	0.62953742	9.129883
3092	487363.09	3845877.25	0.79354	0.38103	0.41211	0.34486	2.19819	0.54336	0.38393	0.38103	8.1424406	0.171480899	1.045E-05	0.017864	1.013696	0.07517	0.662859	0.63134349	9.452179
3093	487863.09	3845877.25	0.74085	0.38189	0.42636	0.36574	2.38159	0.49768	0.38481	0.38189	7.60179338	0.171867938	1.082E-05	0.018946	1.098271	0.06885	0.664378	0.63276845	8.991351
3094	488363.09	3845877.25	0.63142	0.38253	0.38577	0.33961	3.18919	0.55977	0.38546	0.38253	6.47894226	0.172155967	9.786E-06	0.017592	1.470696	0.07744	0.665501	0.6338289	8.24851
3095	488863.09	3845877.25	0.62305	0.38296	0.37415	0.70421	2.86211	0.54795	0.3859	0.38296	6.39305846	0.172349487	9.491E-06	0.036479	1.319863	0.07581	0.66626	0.63454138	8.029285
3096	489363.09	3845877.25	0.53771	0.3832	0.37044	0.76189	1.18728	0.41723	0.38614	0.3832	5.51739261	0.172457498	9.397E-06	0.039467	0.547515	0.05772	0.666675	0.63493904	6.366298
3097	489863.09	3845877.25	0.40618	0.38325	0.36246	0.60579	1.11165	0.25385	0.3862	0.38325	4.16777544	0.17248	9.195E-06	0.031381	0.512638	0.03512	0.666778	0.63502189	4.951158
3098	490363.09	3845877.25	0.47168	0.38314	0.47569	0.42776	1.20508	0.30327	0.38608	0.38314	4.83986489	0.172430495	1.207E-05	0.022159	0.555723	0.04196	0.666571	0.63483963	5.663876
3099	490863.09	3845877.25	0.51972	0.38287	0.37279	0.38647	1.64185	0.33189	0.38581	0.38287	5.33279889	0.172308983	9.457E-06	0.02002	0.75714	0.04592	0.666105	0.63439225	6.359905
3100	491363.09	3845877.25	0.54697	0.38244	0.3577	0.38126	1.84487	0.34293	0.38537	0.38244	5.61240862	0.172115463	9.074E-06	0.01975	0.850762	0.04744	0.665345	0.63367977	6.734154
3101	491863.09	3845877.25	0.55218	0.38187	0.33792	0.44988	1.23696	0.32881	0.3848	0.38187	5.66586795	0.171858937	8.572E-06	0.023304	0.570425	0.04549	0.664361	0.63273532	6.508579
3102	492363.09	3845877.25	0.53848	0.38117	0.4157	0.49908	0.90847	0.28505	0.38409	0.38117	5.52529351	0.171543905	1.055E-05	0.025853	0.418941	0.03944	0.663135	0.63157546	6.212637
3103	492863.09	3845877.25	0.51345	0.38035	0.39051	0.37875	0.74264	0.21772	0.38325	0.38035	5.26846299	0.171174868	9.906E-06	0.01962	0.342469	0.03012	0.661685	0.63021677	5.863325
3104	493363.09	3845877.25	0.48689	0.37942	0.27636	0.54285	0.94934	0.24563	0.3823	0.37942	4.99593329	0.170756325	7.011E-06	0.02812	0.437788	0.03398	0.660045	0.62867581	5.697956
3105	493863.09	3845877.25	0.46733	0.37838	0.35288	0.61018	1.44875	0.27926	0.38125	0.37838	4.79522994	0.170288278	8.952E-06	0.031608	0.668092	0.03863	0.658232	0.6269526	5.735141
3106	494363.09	3845877.25	0.4597	0.37724	0.30312	0.57358	1.61544	0.29893	0.3801	0.37724	4.71693921	0.169775226	7.689E-06	0.029712	0.744961	0.04136	0.656247	0.62506369	5.733933
3107	494863.09	3845877.25	0.46442	0.37603	0.27273	0.50448	1.34197	0.30073	0.37887	0.37603	4.7653707	0.16923067	6.919E-06	0.026133	0.61885	0.0416	0.654123	0.62305879	5.65226
3108	495363.09	3845877.25	0.47819	0.37474	0.25075	0.36479	1.6325	0.28643	0.37757	0.37474	4.90666339	0.168650111	6.361E-06	0.018897	0.752828	0.03963	0.651878	0.62092134	5.917628
3109	495863.09	3845877.25	0.49536	0.37339	0.24583	0.33752	1.8235	0.30147	0.3762	0.37339	5.08284318	0.16804255	6.236E-06	0.017484	0.840908	0.04171	0.649513	0.61868447	6.181819
3110	496363.09	3845877.25	0.5092	0.37199	0.31054	0.31094	1.74183	0.31199	0.37478	0.37199	5.22485414	0.167412486	7.878E-06	0.016107	0.803246	0.04316	0.647061	0.61636476	6.285486
3111	496863.09	3845877.25	0.52484	0.37055	0.38372	0.42212	1.69224	0.30991	0.37332	0.37055	5.38533473	0.16676442	9.734E-06	0.021866	0.780377	0.04287	0.644541	0.61397877	6.427789
3112	497363.09	3845877.25	0.55428	0.36908	0.28837	0.52263	1.31323	0.29619	0.37184	0.36908	5.68741585	0.166102853	7.315E-06	0.027073	0.605596	0.04098	0.641986	0.61154306	6.557614
3113	497863.09	3845877.25	0.57265	0.36759	0.29219	0.58037	1.17357	0.27316	0.37033	0.36759	5.87590872	0.165432285	7.412E-06	0.030064	0.541192	0.03779	0.639378	0.60907423	6.680699
3114	498363.09	3845877.25	0.57393	0.36609	0.24002	0.54493	1.03299	0.24683	0.3688	0.36609	5.88904268	0.164757216	6.089E-06	0.028228	0.476364	0.03415	0.636737	0.60658882	6.622694
3115	471363.09	3846377.25	1.93721	11.00329	0.58545	2.47702	5.32862	1.55565	11.0983	11.00329	19.8775328	4.951982933	1.485E-05	0.128313	2.457295	0.21522	19.16128	18.2317809	28.55985
3116	471863.09	3846377.25	2.0538	6.35089	0.45079	1.60092	3.06062	1.07099	6.40258	6.35089	21.073852	2.858190495	1.144E-05	0.08293	1.411406	0.14817	11.05412	10.5230377	26.10564
3117	472363.09	3846377.25	2.24719	1.51019	0.48497	0.56443	1.12899	1.20578	1.31167	1.51019	23.0582089	0.679654458	1.23E-05	0.029238	0.520634	0.16681	2.264612	2.50229279	24.21688
3118	472863.09	3846377.25	2.29352	1.43094	1.20899	0.89279	1.61933	1.27412	1.318	1.43094	23.5335967	0.64398834	3.067E-05	0.046248	0.746755	0.17627	2.27554	2.37098037	25.05145
3119	473363.09	3846377.25	2.16938	1.53582	1.30816	1.23776	2.12312	1.25936	1.5682	1.53582	22.2598077	0.691189129	3.319E-05	0.064118	0.979078	0.17423	2.707513	2.54476013	24.3312
3120	473863.09	3846377.25	1.95331	1.51135	1.33887	1.47078	2.53069	1.16171	1.68786	1.51135	20.0427334	0.680176511	3.396E-05	0.076188	1.167029	0.16072	2.914107	2.50421483	22.53677
3121	474363.09	3846377.25	1.56444	1.35433	1.07068	2.35258	2.70656	1.18189	1.80522	1.35433	16.0525742	0.609510342	2.716E-05	0.121867	1.248131	0.16351	3.116731	2.24404227	19.06831
3122	474863.09	3846377.25	1.34489	1.15303	0.7052	1.494	3.80303	0.79026	1.40898	1.15303	13.799792	0.51891615	1.789E-05	0.077391	1.753769	0.10933	2.432618	1.91050043	16.78133
3123	475363.09	3846377.25	2.428	1.14356	0.61381	1.62831	2.37275	0.76967	1.32338	1.14356	24.9134836	0.514654217	1.557E-05	0.084349	1.094195	0.10648	2.284829	1.89480922	27.1032

3124	475863.09	3846377.25	3.7411	1.38298	0.53805	0.87503	2.62955	1.39995	1.14888	1.38298
3125	476363.09	3846377.25	4.44597	1.42871	0.41513	0.50311	1.39874	1.20259	1.16996	1.42871
3126	476863.09	3846377.25	3.99051	1.35524	0.49315	1.18506	0.89363	1.20246	1.50245	1.35524
3127	477363.09	3846377.25	2.78776	1.07527	0.41908	1.68769	0.89341	1.18317	1.24229	1.07527
3128	477863.09	3846377.25	1.77335	1.05329	0.40305	1.67978	3.67095	0.93059	1.06324	1.05329
3129	478363.09	3846377.25	2.42109	1.0321	0.44815	1.20738	5.39395	0.59575	1.04126	1.0321
3130	478863.09	3846377.25	2.51823	1.01817	0.53976	0.68415	4.55027	0.36391	1.02716	1.01817
3131	479363.09	3846377.25	2.57617	1.00462	0.56801	0.70304	1.04417	0.55225	1.01319	1.00462
3132	479863.09	3846377.25	2.72238	0.99041	0.53586	0.69873	0.72691	0.48871	0.99762	0.99041
3133	480363.09	3846377.25	2.34466	0.97961	0.88045	0.61451	0.82555	0.52409	0.98678	0.97961
3134	480863.09	3846377.25	2.43449	0.91621	0.89601	0.5111	1.02593	0.60208	0.9204	0.91621
3135	481363.09	3846377.25	2.37827	0.64947	0.74783	0.59547	1.75082	0.67043	0.6568	0.64947
3136	481863.09	3846377.25	2.45082	0.49897	0.64755	0.54158	1.5085	0.6938	0.50259	0.49897
3137	482363.09	3846377.25	1.88977	0.49539	0.36471	0.49717	1.46139	0.83082	0.49903	0.49539
3138	482863.09	3846377.25	1.34038	0.49202	0.50389	0.49271	1.19623	0.88007	0.49567	0.49202
3139	483363.09	3846377.25	1.24146	0.48881	0.6579	0.64391	2.40636	0.8115	0.49246	0.48881
3140	483863.09	3846377.25	0.99933	0.48572	0.68453	0.78513	3.54133	0.64988	0.48938	0.48572
3141	484363.09	3846377.25	0.78632	0.4827	0.62254	0.82883	3.23475	0.45812	0.48638	0.4827
3142	484863.09	3846377.25	0.75798	0.47975	0.55939	0.73283	1.78923	0.32596	0.48343	0.47975
3143	485363.09	3846377.25	0.73402	0.47681	0.48792	0.56882	1.35186	0.36415	0.4805	0.47681
3144	485863.09	3846377.25	0.73661	0.47389	0.50682	0.53493	1.03147	0.42481	0.47757	0.47389
3145	486363.09	3846377.25	0.76318	0.47095	0.37778	0.48646	0.97757	0.49229	0.47462	0.47095
3146	486863.09	3846377.25	0.79529	0.46798	0.37944	0.42457	1.5112	0.54232	0.47165	0.46798
3147	487363.09	3846377.25	0.79983	0.46499	0.44578	0.36199	2.25096	0.5525	0.46864	0.46499
3148	487863.09	3846377.25	0.75112	0.46195	0.40204	0.41363	2.45565	0.51189	0.46558	0.46195
3149	488363.09	3846377.25	0.63953	0.45888	0.40462	0.5613	3.33921	0.56955	0.46248	0.45888
3150	488863.09	3846377.25	0.62469	0.45577	0.35597	0.7171	2.73195	0.54378	0.45935	0.45577
3151	489363.09	3846377.25	0.52788	0.45262	0.3767	0.77792	1.54747	0.40793	0.45617	0.45262
3152	489863.09	3846377.25	0.45795	0.44945	0.4913	0.70852	1.22274	0.27286	0.45297	0.44945
3153	490363.09	3846377.25	0.51187	0.44626	0.375	0.42962	1.14546	0.31643	0.44974	0.44626
3154	490863.09	3846377.25	0.54566	0.44306	0.39591	0.38573	1.8387	0.33936	0.44651	0.44306
3155	491363.09	3846377.25	0.55667	0.43987	0.35298	0.38338	1.76004	0.34449	0.44328	0.43987
3156	491863.09	3846377.25	0.54651	0.43669	0.39861	0.45981	0.98164	0.32114	0.44007	0.43669
3157	492363.09	3846377.25	0.52194	0.43355	0.4312	0.49727	0.89574	0.26861	0.43688	0.43355
3158	492863.09	3846377.25	0.49304	0.43045	0.27805	0.42353	0.70457	0.2304	0.43374	0.43045
3159	493363.09	3846377.25	0.4696	0.4274	0.31732	0.58673	1.2758	0.26874	0.43066	0.4274
3160	493863.09	3846377.25	0.45801	0.42443	0.35775	0.61088	1.64187	0.29573	0.42765	0.42443
3161	494363.09	3846377.25	0.45991	0.42153	0.29444	0.55898	1.53709	0.30535	0.42472	0.42153
3162	494863.09	3846377.25	0.4726	0.41871	0.25617	0.47666	1.5663	0.29697	0.42187	0.41871
3163	495363.09	3846377.25	0.49073	0.416	0.2474	0.36555	1.84723	0.3009	0.41912	0.416
3164	495863.09	3846377.25	0.50746	0.41338	0.27923	0.32839	1.84033	0.31528	0.41648	0.41338
3165	496363.09	3846377.25	0.53614	0.41088	0.3948	0.3773	1.78981	0.31675	0.41394	0.41088
3166	496863.09	3846377.25	0.56289	0.40848	0.32605	0.48694	1.35655	0.30567	0.41151	0.40848
3167	497363.09	3846377.25	0.57706	0.40619	0.28537	0.57197	1.23588	0.28454	0.40919	0.40619
3168	497863.09	3846377.25	0.57192	0.40401	0.25553	0.58344	1.05975	0.25603	0.40699	0.40401
3169	498363.09	3846377.25	0.54498	0.40194	0.26435	0.48571	1.0456	0.2369	0.4049	0.40194
3170	471363.09	3846877.25	2.46347	3.11268	2.61302	2.58682	5.06094	1.85174	3.12598	3.11268
3171	471863.09	3846877.25	2.22295	5.85629	1.15036	2.66585	5.91816	1.7811	5.92637	5.85629
3172	472363.09	3846877.25	2.0299	35.44358	0.44653	2.35368	4.7497	1.39677	36.521	35.44358
3173	472863.09	3846877.25	2.25838	1.59847	0.49882	0.53386	0.99969	1.20341	1.47284	1.59847
3174	473363.09	3846877.25	2.34863	1.42481	1.28329	0.81216	1.49804	1.29348	1.27055	1.42481
3175	473863.09	3846877.25	2.27003	1.94356	1.85246	1.18956	2.044	1.299	1.96553	1.94356
3176	474363.09	3846877.25	2.19962	1.91102	1.52311	1.48586	2.51936	1.21642	1.93018	1.91102
3177	474863.09	3846877.25	1.74012	1.75804	1.23412	2.48078	2.7809	1.31225	2.06927	1.75804
3178	475363.09	3846877.25	1.46015	1.59556	0.74169	1.86224	3.99092	0.84566	1.61053	1.59556
3179	475863.09	3846877.25	2.75221	1.54822	0.62949	1.77439	2.98883	0.92089	1.56199	1.54822
3180	476363.09	3846877.25	4.06212	1.5521	0.53796	1.00313	2.84433	1.47696	1.34058	1.5521
3181	476863.09	3846877.25	4.70139	1.54434	0.46653	0.5494	1.61554	1.25972	1.40204	1.54434
3182	477363.09	3846877.25	4.03173	1.39793	0.50998	1.33836	0.92367	1.3018	1.5997	1.39793

38.3870813	0.62240415	1.365E-05	0.045328	1.212618	0.19368	1.983553	2.29151357	40.15316
45.6196873	0.642984738	1.053E-05	0.026062	0.645029	0.16637	2.019948	2.36728539	46.75281
40.9462543	0.609919883	1.251E-05	0.061388	0.412098	0.16635	2.593995	2.24555008	42.54447
28.6049477	0.483920599	1.063E-05	0.087425	0.411996	0.16369	2.144826	1.78165685	30.11516
18.1961804	0.474028595	1.022E-05	0.087015	1.69286	0.12874	1.835695	1.74523733	20.66929
24.8425807	0.464492128	1.137E-05	0.062544	2.487422	0.08242	1.797746	1.71012679	28.02709
25.8393253	0.458222992	1.369E-05	0.03544	2.098359	0.05035	1.773402	1.68704563	28.56806
26.4338423	0.452124873	1.441E-05	0.036418	0.481519	0.0764	1.749283	1.66459411	27.56501
27.9340896	0.445729724	1.359E-05	0.036195	0.335215	0.06761	1.722401	1.64104901	28.90021
24.0583396	0.440869231	2.234E-05	0.031832	0.380703	0.07251	1.703686	1.62315406	25.0648
24.9800769	0.412336336	2.273E-05	0.026476	0.473108	0.08329	1.58908	1.51810413	26.04629
24.4032087	0.292291156	1.897E-05	0.030846	0.807391	0.09275	1.133972	1.07613221	25.68435
25.1476375	0.224559284	1.643E-05	0.028055	0.695645	0.09598	0.867727	0.82676288	26.23286
19.3907553	0.222948121	9.252E-06	0.025754	0.673921	0.11494	0.86158	0.82083104	20.46908
13.7535153	0.221431467	1.278E-05	0.025523	0.551642	0.12175	0.855779	0.81524715	14.71441
12.7385063	0.21998682	1.669E-05	0.033355	1.109694	0.11227	0.850237	0.80992838	14.25413
10.2540328	0.218596179	1.737E-05	0.040671	1.633086	0.08991	0.84492	0.80480844	12.27642
8.06835684	0.217237041	1.579E-05	0.042935	1.491706	0.06338	0.83974	0.79980448	9.923565
7.77756272	0.215909406	1.419E-05	0.037962	0.825104	0.04509	0.834647	0.79491651	8.941377
7.53171138	0.214586272	1.238E-05	0.029466	0.623411	0.05038	0.829588	0.79004511	8.489108
7.55828713	0.213272139	1.286E-05	0.02771	0.475663	0.05877	0.824529	0.78520685	8.373038
7.83091944	0.211949005	9.583E-06	0.025199	0.450807	0.06811	0.819436	0.78033545	8.626091
8.16039719	0.210612369	9.626E-06	0.021993	0.69689	0.07503	0.814309	0.77541434	9.203824
8.20698171	0.209266732	1.131E-05	0.018752	1.038031	0.07644	0.809112	0.77046009	9.58813
7.7071729	0.207898594	1.02E-05	0.021427	1.132424	0.07082	0.803829	0.76542299	9.178155
6.56215822	0.206516953	1.026E-05	0.029076	1.539878	0.07879	0.798476	0.76033619	8.454574
6.40988635	0.205117311	9.03E-06	0.037147	1.25984	0.07523	0.793072	0.75518311	8.025118
5.41652789	0.203699668	9.556E-06	0.040297	0.713616	0.05644	0.787582	0.74996375	6.468204
4.69898262	0.202273023	1.246E-05	0.036702	0.563867	0.03775	0.782057	0.74471126	5.576932
5.25225076	0.200837377	9.513E-06	0.022255	0.528229	0.04378	0.776481	0.73942562	6.084413
5.59896683	0.199397231	1.004E-05	0.019981	0.847917	0.04695	0.770904	0.73412342	6.750002
5.71193942	0.197961585	8.954E-06	0.01986	0.811643	0.04766	0.765327	0.72883778	6.825561
5.6076886	0.19653044	1.011E-05	0.023819	0.452684	0.04443	0.759785	0.72356871	6.361376
5.3555781	0.195117297	1.094E-05	0.025759	0.413071	0.03716	0.754278	0.71836593	6.062609
5.05903787	0.193722155	7.054E-06	0.021939	0.324913	0.03187	0.748857	0.71322941	5.667121
4.8185222	0.192349516	8.05E-06	0.030393	0.588336	0.03718	0.743539	0.70817575	5.702151
4.69959828	0.19101288	9.075E-06	0.031644	0.757149	0.04091	0.738342	0.70325464	5.755414
4.719094	0.189707748	7.469E-06	0.028956	0.70883	0.04224	0.733283	0.69844952	5.723672
4.84930492	0.188438619	6.498E-06	0.024692	0.7223	0.04108	0.728363	0.69377695	5.860412
5.03533517	0.187218995	6.276E-06	0.018936	0.851851	0.04163	0.723615	0.68928665	6.169304
5.20700016	0.186039876	7.083E-06	0.017011	0.848669	0.04362	0.719057	0.68494546	6.336456
5.50128299	0.184914762	1.002E-05	0.019545	0.825372	0.04382	0.714672	0.68080312	6.608813
5.77576227	0.183834652	8.271E-06	0.025224	0.625574	0.04229	0.710476	0.67682646	6.686341
5.92115933	0.182804047	7.239E-06	0.029629	0.569927	0.03936	0.706471	0.67303207	6.776329
5.86841826	0.181822948	6.482E-06	0.030223	0.488704	0.03542	0.702672	0.66941995	6.637848
5.59198941	0.180891353	6.706E-06	0.02516	0.482179	0.03277	0.699064	0.66599008	6.346075
25.277438	1.400848132	6.629E-05	0.134001	2.333854	0.25618	5.397036	5.15752105	29.6419
22.8094845	2.635597911	2.918E-05	0.138095	2.729162	0.24641	10.23194	9.7035156	29.0872
20.8286163	15.95122943	1.133E-05	0.121924	2.190326	0.19324	63.05391	58.7278518	43.6114
23.1730285	0.719384489	1.265E-05	0.027655	0.461007	0.16649	2.542873	2.64856737	24.44188
24.0990754	0.64122956	3.255E-05	0.042071	0.690822	0.17895	2.193617	2.36082333	25.48497
23.292568	0.874690747	4.699E-05	0.061621	0.942591	0.17971	3.393507	3.22036046	25.52438
22.5700975	0.860046261	3.864E-05	0.07697	1.161804	0.16829	3.332475	3.16644367	25.00327
17.8552105	0.791198276	3.131E-05	0.128508	1.282413	0.18154	3.572616	2.91296513	20.89855
14.9824642	0.718074857	1.882E-05	0.096467	1.840414	0.11699	2.780596	2.64374567	17.89128
28.2401724	0.696769695	1.597E-05	0.091916	1.3783	0.1274	2.696792	2.56530618	30.66606
41.6810379	0.698515872	1.365E-05	0.051964	1.311664	0.20433	2.314525	2.5717351	43.69031
48.2405283	0.695023518	1.183E-05	0.02846	0.745007	0.17428	2.420636	2.55887725	49.74507
41.3692089	0.629132332	1.294E-05	0.069329	0.425951	0.1801	2.761898	2.31628481	43.11934

3183	477863.09	3846877.25	2.71767	1.10694	0.43029	1.8575	1.04134	1.23549	1.30921	1.10694	27.8857607	0.498173545	1.092E-05	0.096221	0.480214	0.17092	2.260364	1.83413211	29.55754
3184	478363.09	3846877.25	2.43613	1.09647	0.48353	1.78823	4.61399	0.97448	1.10907	1.09647	24.9969048	0.493461567	1.227E-05	0.092633	2.127743	0.13481	1.914821	1.81678396	27.94361
3185	478863.09	3846877.25	3.1208	1.09009	0.66837	1.309	6.24422	0.63532	1.10246	1.09009	32.0222404	0.490590276	1.696E-05	0.067808	2.879524	0.08789	1.903408	1.80621269	35.64527
3186	479363.09	3846877.25	2.75495	1.07845	0.57885	0.69624	4.39238	0.55178	1.08907	1.07845	28.2682873	0.485351744	1.468E-05	0.036066	2.025548	0.07634	1.88029	1.78692592	30.98497
3187	479863.09	3846877.25	2.42709	1.05834	0.57128	0.57103	0.89623	0.4677	1.0666	1.05834	24.9041462	0.476301326	1.449E-05	0.02958	0.413297	0.0647	1.841496	1.75360488	25.97593
3188	480363.09	3846877.25	2.1275	0.89296	0.81285	0.42533	0.75575	0.4944	0.89972	0.89296	21.8300809	0.401872774	2.062E-05	0.022033	0.348514	0.0684	1.553376	1.4795803	22.74471
3189	480863.09	3846877.25	2.44528	0.58488	0.94064	0.49324	0.88893	0.55294	0.58934	0.58488	25.0907921	0.263222707	2.386E-05	0.025551	0.40993	0.0765	1.017501	0.96911051	25.91441
3190	481363.09	3846877.25	2.38122	0.64734	0.86628	0.56926	1.19948	0.6416	0.65612	0.64734	24.4334783	0.291332559	2.198E-05	0.029488	0.553141	0.08876	1.132798	1.07260293	25.45642
3191	481863.09	3846877.25	2.39994	0.54658	0.55178	0.61211	1.48229	0.7179	0.55326	0.54658	24.6255625	0.245985958	1.4E-05	0.031708	0.683559	0.09932	0.955209	0.90564975	25.73571
3192	482363.09	3846877.25	1.83447	0.53552	0.39391	0.52634	1.56509	0.79822	0.53969	0.53552	18.8233271	0.241008453	9.993E-06	0.027265	0.721742	0.11043	0.93178	0.887324	19.96824
3193	482863.09	3846877.25	1.97535	0.53163	0.51487	0.47936	1.39408	0.88973	0.53579	0.53163	20.2688838	0.239257775	1.306E-05	0.024832	0.64288	0.12309	0.925047	0.88087851	21.34312
3194	483363.09	3846877.25	1.30335	0.52753	0.67639	0.5907	1.87726	0.85977	0.53167	0.52753	13.3735539	0.237412588	1.716E-05	0.030599	0.865699	0.11894	0.917934	0.87408506	14.67008
3195	483863.09	3846877.25	1.10399	0.52324	0.69779	0.75004	3.34493	0.72134	0.52736	0.52324	11.3279394	0.235481892	1.77E-05	0.038853	1.542516	0.09979	0.910492	0.86697679	13.28812
3196	484363.09	3846877.25	0.79498	0.5188	0.63362	0.83809	3.62653	0.5256	0.52289	0.5188	8.1572163	0.233483689	1.607E-05	0.043414	1.672376	0.07271	0.902775	0.85961998	10.22238
3197	484863.09	3846877.25	0.75841	0.51424	0.58076	0.78791	2.32951	0.35246	0.51829	0.51424	7.78197491	0.231431481	1.473E-05	0.040815	1.074254	0.04876	0.894833	0.85206434	9.22002
3198	485363.09	3846877.25	0.7324	0.50958	0.50771	0.62618	1.6141	0.36563	0.5136	0.50958	7.51508871	0.229334268	1.288E-05	0.032437	0.744343	0.05058	0.886736	0.844343	8.614191
3199	485863.09	3846877.25	0.7358	0.50487	0.51228	0.55192	1.03796	0.42817	0.50884	0.50487	7.54997579	0.227214553	1.3E-05	0.02859	0.478656	0.05924	0.878517	0.83653882	8.385663
3200	486363.09	3846877.25	0.78507	0.50012	0.50098	0.50991	1.03999	0.49931	0.50406	0.50012	8.05553071	0.225076837	1.271E-05	0.026414	0.479592	0.06908	0.870265	0.82866836	8.8973
3201	486863.09	3846877.25	0.80286	0.49538	0.38776	0.45019	1.51935	0.55118	0.49927	0.49538	8.23807226	0.22294362	9.837E-06	0.02332	0.700649	0.07625	0.861995	0.82081447	9.302428
3202	487363.09	3846877.25	0.80953	0.49068	0.47839	0.3856	2.31252	0.56232	0.49452	0.49068	8.30651251	0.220828405	1.214E-05	0.019975	1.066419	0.07779	0.853794	0.81302685	9.732308
3203	487863.09	3846877.25	0.75912	0.48604	0.42369	0.4126	2.53153	0.52062	0.48984	0.48604	7.78926016	0.218740194	1.075E-05	0.021373	1.167416	0.07203	0.845714	0.80533866	9.309201
3204	488363.09	3846877.25	0.64512	0.4815	0.37393	0.56522	3.48525	0.57955	0.48525	0.4815	6.6195167	0.216696986	9.486E-06	0.029279	1.607224	0.08018	0.837789	0.79781615	8.592877
3205	488863.09	3846877.25	0.62594	0.4771	0.3556	0.73052	2.57653	0.53856	0.4808	0.4771	6.42271249	0.214716785	9.021E-06	0.037842	1.188168	0.07451	0.830106	0.79052562	7.977536
3206	489363.09	3846877.25	0.51709	0.47285	0.48519	0.79478	1.52345	0.39776	0.4765	0.47285	5.3058127	0.212804091	1.231E-05	0.041171	0.70254	0.05503	0.822682	0.78348363	6.356566
3207	489863.09	3846877.25	0.50206	0.46878	0.43753	0.71866	1.31243	0.2913	0.47239	0.46878	5.15159126	0.210972405	1.11E-05	0.037228	0.605228	0.0403	0.815586	0.77673989	6.084176
3208	490363.09	3846877.25	0.5424	0.46491	0.36976	0.51775	1.38286	0.32747	0.46847	0.46491	5.56551627	0.209230729	9.38E-06	0.02682	0.637706	0.0453	0.808818	0.77032753	6.523077
3209	490863.09	3846877.25	0.55992	0.46126	0.39912	0.38532	1.97118	0.34556	0.46478	0.46126	5.74528737	0.207588062	1.012E-05	0.01996	0.90901	0.04781	0.802447	0.76427971	6.96783
3210	491363.09	3846877.25	0.55435	0.45784	0.36273	0.38573	1.58259	0.34351	0.46131	0.45784	5.68813411	0.206048906	9.202E-06	0.019981	0.729812	0.04752	0.796456	0.75861298	6.729352
3211	491863.09	3846877.25	0.53116	0.45465	0.46534	0.47044	0.95556	0.31058	0.45809	0.45465	5.45018367	0.20461326	1.18E-05	0.024369	0.440657	0.04297	0.790897	0.75332734	6.200372
3212	492363.09	3846877.25	0.50045	0.45169	0.29187	0.49341	1.12266	0.24982	0.4551	0.45169	5.1350712	0.203281125	7.404E-06	0.025559	0.517715	0.03456	0.785735	0.7484228	5.953507
3213	492863.09	3846877.25	0.47317	0.44897	0.26966	0.4887	1.03623	0.25558	0.45234	0.44897	4.85515364	0.202057001	6.841E-06	0.025315	0.477858	0.03536	0.78097	0.74391593	5.632803
3214	493363.09	3846877.25	0.45725	0.44648	0.35663	0.617	1.57145	0.28912	0.44982	0.44648	4.69179999	0.200936387	9.047E-06	0.031961	0.724675	0.04	0.776619	0.73979015	5.726209
3215	493863.09	3846877.25	0.45575	0.4442	0.34548	0.60211	1.68561	0.30687	0.44751	0.4442	4.67640863	0.199910283	8.764E-06	0.03119	0.77732	0.04245	0.772631	0.73601233	5.76391
3216	494363.09	3846877.25	0.46679	0.44213	0.26229	0.5432	1.46937	0.30549	0.44541	0.44213	4.78968905	0.198978689	6.654E-06	0.028139	0.677601	0.04226	0.769005	0.73258246	5.773099
3217	494863.09	3846877.25	0.48527	0.44025	0.24634	0.43952	1.84536	0.29917	0.44351	0.44025	4.97931062	0.198132603	6.249E-06	0.022768	0.850988	0.04139	0.765725	0.72946742	6.128851
3218	495363.09	3846877.25	0.5141	0.43854	0.26607	0.35964	1.92779	0.31747	0.44178	0.43854	5.27513258	0.197363025	6.75E-06	0.01863	0.889001	0.04392	0.762738	0.72663405	6.460157
3219	495863.09	3846877.25	0.54665	0.43699	0.39519	0.33004	1.85733	0.32263	0.4402	0.43699	5.60912513	0.196665454	1.003E-05	0.017097	0.856508	0.04463	0.76001	0.7240658	6.759984
3220	496363.09	3846877.25	0.57055	0.43558	0.36398	0.4455	1.44351	0.31444	0.43877	0.43558	5.85436082	0.196030889	9.233E-06	0.023078	0.665675	0.0435	0.757541	0.72172951	6.818466
3221	496863.09	3846877.25	0.57981	0.43429	0.29447	0.54684	1.30017	0.29513	0.43747	0.43429	5.94937682	0.195450331	7.47E-06	0.028327	0.599574	0.04083	0.755296	0.71959206	6.84927
3222	497363.09	3846877.25	0.56754	0.43311	0.27218	0.60145	1.08609	0.27925	0.43626	0.43311	5.82347549	0.194919277	6.905E-06	0.031156	0.500851	0.03863	0.753207	0.71763687	6.624612
3223	497863.09	3846877.25	0.53357	0.43201	0.27135	0.54779	1.0733	0.26701	0.43515	0.43201	5.47491246	0.194424226	6.884E-06	0.028376	0.494953	0.03694	0.751291	0.71581424	6.265089
3224	498363.09	3846877.25	0.48746	0.43099	0.34955	0.51641	1.18561	0.34763	0.43411	0.43099	5.00178201	0.19396518	8.867E-06	0.026751	0.546744	0.04809	0.749495	0.71412416	5.852715
3225	471363.09	3847377.25	2.90458	3.17749	4.40633	1.74466	2.03112	1.69995	3.2065	3.17749	29.8036269	1.430015591	0.0001118	0.090376	0.936652	0.23518	5.536055	5.26490727	32.76711
3226	471863.09	3847377.25	2.71843	4.13869	3.63496	2.48743	4.18273	1.89591	4.16478	4.13869	27.893559	1.862599481	9.221E-05	0.128852	1.928867	0.26229	7.190535	6.85755708	32.40924
3227	472363.09	3847377.25	2.45098	3.9551	1.9514	2.77821	5.93425	1.91816	3.99448	3.9551	25.1492792	1.779975598	4.95E-05	0.143915	2.736582	0.26537	6.89651	6.55335964	30.41832
3228	472863.09	3847377.25	2.28177	9.8548	0.51807	2.84894	6.04492	1.76995	9.90294	9.8548	23.4130311	4.435109991	1.314E-05	0.147579	2.787617	0.24486	17.09753	16.328803	31.79694
3229	473363.09	3847377.25	2.27611	4.73393	0.50751	1.58021	2.78254	1.19739	4.76838	4.73393	23.3549543	2.130484661	1.287E-05	0.081857	1.283169	0.16565	8.232656	7.84383348	27.40495
3230	473863.09	3847377.25	2.398	2.84799	1.43048	0.72377	1.36622	1.30856	2.87397	2.84799	24.6056564	1.281725545	3.629E-05	0.037492	0.630033	0.18103	4.961938	4.71894585	26.97897
3231	474363.09	3847377.25	2.4544	3.00187	2.30948	1.1236	1.94181	1.33502	3.02127	3.00187	25.1843716	1.350978572	5.859E-05	0.058204	0.895466	0.18469	5.216253	4.97391563	27.91611
3232	474863.09	3847377.25	2.39702	2.25326	1.65939	1.48385	2.48414	1.26994	2.27286	2.25326	24.5956007	1.014069889	4.21E-05	0.076866	1.145562	0.17569	3.924116	3.73351449	27.19843
3233	475363.09	3847377.25	1.95817	1.77212	1.3357	2.34518	2.83627	1.32121	2.14883	1.77212	20.0926014	0.797534919	3.388E-05	0.121484	1.307947	0.18278	3.709977	2.93629483	23.27607
3234	475863.09	3847377.25	1.7737	1.71695	0.86752	2.45962	4.32957	1.13346	2.08533	1.71695	18.1997718	0.7727059	2.201E-05	0.127412	1.996583	0.15681	3.600343	2.8448815	22.00876
3235	476363.09	3847377.25	3.18491	1.44718	0.646	1.9294	3.7963	1.36591	1.84029	1.44718	32.6800671	0.651297081	1.639E-05	0.099946	1.750665	0.18897	3.177279	2.39788906	36.15035
3236	476863.09	3847377.25	4.40711	1.77391	0.53616	1.16184	3.06407	1.57586	1.4509	1.77391	45.2209484	0.7983405	1.36E-05	0.060185	1.412997	0.21801	2.504994	2.93926075	47.27623
3237	477363.09	3847377.25	4.97635	1.84145	0.54032	0.76878	1.895	1.43197	1.81925	1.84145	51.0618674	0.828736584	1.371E-05	0.039824	0.87388	0.19811	3.140954	3.05117042	53.09221
3238	477863.09	3847377.25	4.03362	1.31724	0.5099	1.48697	0.95617	1.39517	1.60679	1.31724	41.388602	0.592818148	1.294E-05	0.077027	0.440938	0.19301	2.774139	2.1825864	43.28397
3239	478363.09	3847377.25	2.68461	1.18943	0.43709	2.12752	1.48704	1.3615	1.44818	1.18943	27.5465351	0.535297812	1.109E-05	0.110209	0.685749	0.18836	2.500297	1.97081302	29.59564
3240	478863.09	3847377.25	3.25579	1.17385	0.4852	1.98123	5.92789	1.04782	1.19102	1.17385	33.4073603	0.5282861	1.231E-05	0.10263	2.733649	0.14496	2.056308	1.94499791	37.02821
3241	479363.09	3847377.25	2.83084	1.13892	0.57137	1.09413	5.67419	0.51408	1.15033	1.13892	29.0469876	0.512566005	1.449E-05	0.056677	2.616655	0.07112	1.986056	1.88712102	32.40296

3242	479863.09	3847377.25	1.69539	1.09349	0.60152	0.39544	2.36329	0.44896	1.10614	1.09349	17.3962401	0.492120431	1.526E-05	0.020484	1.089832	0.06211	1.909762	1.81184628	19.15872
3243	480363.09	3847377.25	1.39131	0.59651	0.69055	0.38496	0.79417	0.49423	0.57512	0.59651	14.2761033	0.268456738	1.752E-05	0.019941	0.366232	0.06837	0.992951	0.98838071	15.00369
3244	480863.09	3847377.25	1.21391	0.56351	0.96448	0.46704	0.83173	0.5102	0.56769	0.56351	12.4558183	0.253605231	2.447E-05	0.024193	0.383553	0.07058	0.980123	0.93370172	13.2342
3245	481363.09	3847377.25	1.69356	0.5562	0.87609	0.52437	1.01257	0.53119	0.5603	0.5562	17.3774626	0.250315397	2.222E-05	0.027163	0.466947	0.07349	0.967364	0.9215895	18.24117
3246	481863.09	3847377.25	2.36085	0.57458	0.66802	0.62487	1.39046	0.70832	0.57976	0.57458	24.2244636	0.258587237	1.695E-05	0.032369	0.641211	0.09799	1.000962	0.95204404	25.30356
3247	482363.09	3847377.25	2.50357	0.54369	0.83982	0.64521	1.60431	0.79667	0.54766	0.54369	25.6889004	0.244685326	2.13E-05	0.033423	0.739828	0.11022	0.945541	0.90086119	26.86175
3248	482863.09	3847377.25	2.68287	0.53499	0.5264	0.51409	1.5643	0.88348	0.5389	0.53499	27.5286811	0.240769929	1.335E-05	0.026631	0.721378	0.12223	0.930416	0.88644582	28.68367
3249	483363.09	3847377.25	1.99198	0.52828	0.6962	0.5382	1.335	0.89661	0.53215	0.52828	20.4395227	0.237750122	1.766E-05	0.02788	0.615636	0.12404	0.918762	0.87532776	21.48828
3250	483863.09	3847377.25	1.78058	0.52184	0.71016	0.70403	2.9406	0.789	0.52567	0.52184	18.2703668	0.234851828	1.802E-05	0.03647	1.356059	0.10915	0.907575	0.86465707	20.04984
3251	484363.09	3847377.25	1.33026	0.51569	0.64443	0.83047	3.85454	0.5994	0.51949	0.51569	13.6496749	0.232084047	1.635E-05	0.04302	1.777523	0.08292	0.896905	0.8544669	15.82768
3252	484863.09	3847377.25	0.79057	0.5099	0.73041	0.83139	2.9243	0.40444	0.51367	0.5099	8.1119657	0.229478283	1.853E-05	0.043067	1.348542	0.05595	0.886856	0.84487322	9.831007
3253	485363.09	3847377.25	0.73101	0.5045	0.58274	0.69089	3.57442	0.36719	0.50824	0.5045	7.50082605	0.227048037	1.478E-05	0.035789	1.648345	0.0508	0.877482	0.83592575	9.504378
3254	485863.09	3847377.25	0.73573	0.49955	0.54093	0.56611	1.46502	0.43177	0.50327	0.49955	7.54925753	0.224820311	1.372E-05	0.029325	0.675594	0.05973	0.868901	0.8277239	8.579921
3255	486363.09	3847377.25	0.81039	0.49508	0.66325	0.53187	1.0985	0.5057	0.49877	0.49508	8.31533689	0.222808606	1.683E-05	0.027552	0.506574	0.06996	0.861131	0.82031739	9.183063
3256	486863.09	3847377.25	0.83773	0.49111	0.40879	0.47621	1.52166	0.56006	0.49478	0.49111	8.5958701	0.221021925	1.037E-05	0.024668	0.701714	0.07748	0.854243	0.81373934	9.66127
3257	487363.09	3847377.25	0.8184	0.48765	0.48377	0.4103	2.37651	0.57227	0.49131	0.48765	8.39752676	0.219464767	1.227E-05	0.021254	1.095928	0.07917	0.848252	0.80800633	9.853602
3258	487863.09	3847377.25	0.76746	0.48471	0.48268	0.41131	2.61327	0.52967	0.48834	0.48471	7.87483613	0.218141633	1.224E-05	0.021306	1.20511	0.07328	0.843124	0.80313493	9.432673
3259	488363.09	3847377.25	0.73188	0.48226	0.358	0.56893	3.62397	0.58975	0.48588	0.48226	7.50975304	0.217039021	9.082E-06	0.029471	1.671195	0.08159	0.838877	0.79907543	9.548858
3260	488863.09	3847377.25	0.62669	0.48027	0.4518	0.74451	2.39536	0.53255	0.48388	0.48027	6.43040817	0.21614343	1.146E-05	0.038567	1.104621	0.07368	0.835424	0.79577812	7.903072
3261	489363.09	3847377.25	0.50535	0.47872	0.49959	0.81257	1.48772	0.3865	0.48231	0.47872	5.18534964	0.215445859	1.267E-05	0.042092	0.686063	0.05347	0.832713	0.79320986	6.221937
3262	489863.09	3847377.25	0.53707	0.47755	0.39407	0.72878	1.37032	0.30786	0.48113	0.47755	5.51082563	0.214919306	9.997E-06	0.037752	0.631924	0.04259	0.830676	0.79127124	6.477426
3263	490363.09	3847377.25	0.56161	0.47672	0.40283	0.59073	1.66511	0.33669	0.48028	0.47672	5.7626283	0.214545768	1.022E-05	0.030601	0.767866	0.04658	0.829208	0.78989598	6.861543
3264	490863.09	3847377.25	0.56164	0.47617	0.3781	0.49647	2.00951	0.35079	0.47973	0.47617	5.76293613	0.214298243	9.592E-06	0.025718	0.926686	0.04853	0.828259	0.78898467	7.017452
3265	491363.09	3847377.25	0.5409	0.47586	0.48906	0.43139	1.37107	0.33985	0.47941	0.47586	5.55012491	0.214158729	1.241E-05	0.022347	0.632269	0.04702	0.827706	0.78847102	6.505164
3266	491863.09	3847377.25	0.50911	0.47574	0.34788	0.48176	1.31225	0.29767	0.47927	0.47574	5.22393066	0.214104723	8.825E-06	0.024956	0.605145	0.04118	0.827465	0.78827218	6.148518
3267	492363.09	3847377.25	0.47815	0.47575	0.27318	0.48728	1.01529	0.2503	0.47928	0.47575	4.90625296	0.214109224	6.93E-06	0.025242	0.468201	0.03463	0.827482	0.78828875	5.687633
3268	492863.09	3847377.25	0.45761	0.47586	0.28022	0.55077	1.39752	0.27924	0.47938	0.47586	4.69549392	0.214158729	7.109E-06	0.028531	0.644467	0.03863	0.827654	0.78847102	5.660472
3269	493363.09	3847377.25	0.45213	0.47603	0.3851	0.63165	1.75268	0.30488	0.47954	0.47603	4.63926414	0.214235237	9.769E-06	0.03272	0.808249	0.04218	0.827931	0.7887527	5.775835
3270	493863.09	3847377.25	0.46089	0.47622	0.31538	0.5878	1.54585	0.31158	0.47973	0.47622	4.72914969	0.214320745	8.001E-06	0.030449	0.712869	0.04311	0.828259	0.78906751	5.769093
3271	494363.09	3847377.25	0.48894	0.4764	0.24196	0.52551	1.81075	0.29965	0.4799	0.4764	5.01696815	0.214401753	6.138E-06	0.027222	0.835028	0.04146	0.828552	0.78936576	6.174268
3272	494863.09	3847377.25	0.52611	0.47655	0.27293	0.39087	1.99936	0.31838	0.48003	0.47655	5.39836608	0.21446926	6.924E-06	0.020248	0.922006	0.04405	0.828777	0.7896143	6.638304
3273	495363.09	3847377.25	0.55643	0.47663	0.38261	0.33366	1.88555	0.32754	0.48011	0.47663	5.7094768	0.214505264	9.706E-06	0.017284	0.869522	0.04531	0.828915	0.78974686	6.895279
3274	495863.09	3847377.25	0.57708	0.47664	0.40002	0.40033	1.61259	0.32263	0.48011	0.47664	5.92136454	0.214509764	1.015E-05	0.020738	0.743646	0.04463	0.828915	0.78976343	6.984054
3275	496363.09	3847377.25	0.58057	0.47656	0.28852	0.51092	1.0543	0.30545	0.48001	0.47656	5.95717511	0.214473761	7.319E-06	0.026466	0.486191	0.04226	0.828742	0.78963087	6.765682
3276	496863.09	3847377.25	0.56054	0.47638	0.30004	0.5964	1.11046	0.28543	0.47982	0.47638	5.75164913	0.214392753	7.611E-06	0.030894	0.512089	0.03949	0.828414	0.78933263	6.587602
3277	497363.09	3847377.25	0.52003	0.47609	0.33863	0.59655	1.10562	0.36637	0.47951	0.47609	5.33597977	0.214262239	8.59E-06	0.030902	0.509857	0.05069	0.827879	0.78885211	6.180722
3278	497863.09	3847377.25	0.537	0.47568	0.44334	0.50171	1.22245	0.41572	0.47908	0.47568	5.51010737	0.214077721	1.125E-05	0.025989	0.563733	0.05751	0.827136	0.78817277	6.410395
3279	498363.09	3847377.25	0.5603	0.47515	0.53129	0.5708	1.23475	0.43725	0.47853	0.47515	5.74918651	0.213839196	1.348E-05	0.029568	0.569405	0.06049	0.826187	0.78729459	6.661397
3280	471363.09	3847877.25	2.91809	2.88404	3.40143	1.55441	3.69422	1.6654	2.90709	2.88404	29.9422518	1.297949691	8.629E-05	0.080521	1.703591	0.2304	5.01912	4.7786785	33.49524
3281	471863.09	3847877.25	3.06587	2.6681	4.72329	1.50427	2.41877	1.7397	2.68294	2.6681	31.4586087	1.200766831	0.0001198	0.077923	1.115417	0.24068	4.632123	4.42087908	34.30476
3282	472363.09	3847877.25	2.98602	3.71938	4.65464	2.25943	3.11508	1.92131	3.74363	3.71938	30.6392752	1.673890835	0.0001181	0.117042	1.43652	0.2658	6.463415	6.16278597	34.43328
3283	472863.09	3847877.25	2.69697	5.23757	3.10713	2.79715	5.3596	2.02557	5.27717	5.23757	27.6733599	2.357145658	7.882E-05	0.144896	2.471581	0.28023	9.111088	8.67833427	33.36004
3284	473363.09	3847877.25	2.53822	5.15584	1.34547	2.88917	6.46884	1.95159	5.194	5.15584	26.0444408	2.320363426	3.413E-05	0.149663	2.983108	0.26999	8.967494	8.54291264	32.19218
3285	473863.09	3847877.25	2.31602	36.40128	0.54619	2.71334	5.4545	1.62392	37.6091	36.40128	23.7644672	16.38223816	1.386E-05	0.140555	2.515345	0.22466	64.93244	60.3147023	47.64502
3286	474363.09	3847877.25	2.43425	3.79587	1.39568	1.04864	1.90997	1.3184	3.83236	3.79587	24.9776143	1.708314827	3.541E-05	0.054321	0.880783	0.18239	6.616608	6.28952524	28.13055
3287	474863.09	3847877.25	2.59838	3.2871	2.68655	1.03967	1.81779	1.36672	3.322	3.2871	26.661737	1.479345096	6.815E-05	0.053856	0.838275	0.18908	5.735467	5.44652436	29.5113
3288	475363.09	3847877.25	2.58181	2.29981	1.77753	1.46061	2.42122	1.32119	2.32101	2.29981	26.4917138	1.035019514	4.509E-05	0.075662	1.116546	0.18278	4.007247	3.810645	29.09837
3289	475863.09	3847877.25	2.20814	2.02659	1.49586	2.12652	2.87295	1.29715	2.27082	2.02659	22.6575205	0.912058038	3.795E-05	0.110157	1.324862	0.17945	3.920594	3.35793611	25.74675
3290	476363.09	3847877.25	2.13683	2.0903	1.03844	3.05497	4.4936	1.4525	2.71273	2.0903	21.9258151	0.940730447	2.634E-05	0.158252	2.072225	0.20095	4.683556	3.4634997	26.51805
3291	476863.09	3847877.25	3.56299	1.6585	0.69934	2.04587	4.45397	1.68187	2.0795	1.6585	36.5595111	0.746400731	1.774E-05	0.105979	2.05395	0.23268	3.590278	2.74803342	40.54078
3292	477363.09	3847877.25	4.76707	2.16606	0.53269	1.36847	3.28007	1.78253	1.56662	2.16606	48.9144647	0.974825907	1.351E-05	0.070889	1.512605	0.2466	2.704785	3.5890294	50.83516
3293	477863.09	3847877.25	5.22253	2.17473	0.60951	1.02546	2.19871	1.60508	2.297	2.17473	53.5878976	0.978727803	1.546E-05	0.05312	1.013936	0.22205	3.965794	3.60339506	56.21815
3294	478363.09	3847877.25	4.02063	1.30448	0.49414	1.66938	0.99165	1.52797	1.63181	1.30448	41.2553128	0.587075565	1.254E-05	0.086476	0.4573	0.21139	2.817337	2.16144385	43.25346
3295	478863.09	3847877.25	2.84162	1.19182	0.43826	2.36879	2.01766	1.44767	1.53645	1.19182	29.1576002	0.536373421	1.112E-05	0.122707	0.930445	0.20028	2.652697	1.9747731	31.62534
3296	479363.09	3847877.25	2.6281	1.05118	0.53854	1.41414	4.7962	0.75164	1.0598	1.05118	26.9666912	0.473078999	1.366E-05	0.073254	2.211769	0.10399	1.829755	1.74174119	29.91681
3297	479863.09	3847877.25	1.00678	0.53878	0.61887	0.40888	2.3898	0.41964	0.54206	0.53878	10.3304765	0.242475602	1.57E-05	0.021181	1.102057	0.05806	0.935872	0.89272562	11.79741
3298	480363.09	3847877.25	1.58269	0.5648	0.60047	0.3956	1.18456	0.48344	0.56971	0.5648	16.2398358	0.25418579	1.523E-05	0.020493	0.54626	0.06688	0.98361	0.93583918	17.17544
3299	480863.09	3847877.25	1.76639	0.61355	0.95208	0.43214	0.81303	0.51323	0.52951	0.61355	18.1247645	0.276125516	2.415E-05	0.022385	0.374929	0.071	0.914204	1.01661495	18.76682
3300	481363.09	3847877.25	1.75314	0.52071	0.93434	0.50384	0.91332	0.52804	0.52405	0.52071	17.9888075	0.234343277	2.37E-05	0.0261	0.421178	0.07305	0.904778	0.86278473	18.7855

3301	481863.09	3847877.25	2.35236	0.67403	0.75741	0.73065	1.21472	0.74794	0.67832	0.67403	24.1373485	0.303344278	1.921E-05	0.037849	0.560169	0.10347	1.171126	1.11682663	25.1965
3302	482363.09	3847877.25	2.43928	0.55037	0.79247	0.72836	1.94509	0.82218	0.55585	0.55037	25.0292266	0.247691631	2.01E-05	0.03773	0.896979	0.11374	0.959681	0.91192955	26.37314
3303	482863.09	3847877.25	2.6423	0.50927	0.53868	0.64077	1.68013	0.87633	0.51273	0.50927	27.1123961	0.229194754	1.367E-05	0.033193	0.774793	0.12124	0.885234	0.84382935	28.31223
3304	483363.09	3847877.25	2.74171	0.5072	0.71767	0.49536	1.48927	0.92017	0.51071	0.5072	28.1324329	0.22826316	1.821E-05	0.02566	0.686777	0.1273	0.881746	0.84039949	29.2418
3305	483863.09	3847877.25	2.55964	0.5064	0.7213	0.6514	2.37537	0.84945	0.50997	0.5064	26.2642295	0.227903123	1.83E-05	0.033743	1.095403	0.11752	0.880468	0.83907394	27.78021
3306	484363.09	3847877.25	2.05752	0.50663	0.65527	0.81151	3.84321	0.67698	0.51026	0.50663	21.1120226	0.228006634	1.662E-05	0.042037	1.772298	0.09366	0.880969	0.83945503	23.28955
3307	484863.09	3847877.25	1.36996	0.50778	0.74269	0.85917	3.51151	0.46707	0.51147	0.50778	14.0570329	0.228524186	1.884E-05	0.044506	1.619334	0.06462	0.883058	0.84136051	16.05573
3308	485363.09	3847877.25	1.02836	0.5097	0.66861	0.75865	3.64172	0.37191	0.51345	0.5097	10.5519069	0.229388274	1.696E-05	0.039299	1.67938	0.05145	0.886477	0.84454183	12.59338
3309	485863.09	3847877.25	0.89984	0.51223	0.54668	0.57782	2.13166	0.43527	0.51604	0.51223	9.23317507	0.230526889	1.387E-05	0.029932	0.983016	0.06022	0.890948	0.84873389	10.5791
3310	486363.09	3847877.25	0.83128	0.51521	0.69073	0.55194	1.15343	0.51201	0.51907	0.51521	8.52968725	0.231868026	1.752E-05	0.028591	0.531905	0.07083	0.89618	0.85367157	9.435411
3311	486863.09	3847877.25	0.83734	0.51845	0.54792	0.50184	1.51875	0.56895	0.52237	0.51845	8.59186835	0.233326174	1.39E-05	0.025996	0.700372	0.07871	0.901877	0.85904005	9.673125
3312	487363.09	3847877.25	0.8258	0.52183	0.51721	0.43651	2.43922	0.58224	0.52579	0.52183	8.47345748	0.234847328	1.312E-05	0.022612	1.124847	0.08055	0.907782	0.86464051	9.979468
3313	487863.09	3847877.25	0.77592	0.5252	0.50854	0.40961	2.70131	0.53905	0.5292	0.5252	7.96164341	0.236363982	1.29E-05	0.021218	1.24571	0.07457	0.913669	0.87022439	9.582968
3314	488363.09	3847877.25	0.81531	0.52846	0.39602	0.57231	3.75425	0.59989	0.53249	0.52846	8.36582056	0.237831131	1.005E-05	0.029646	1.731274	0.08299	0.919349	0.87562601	10.4913
3315	488863.09	3847877.25	0.95383	0.53152	0.56042	0.7591	2.19142	0.52607	0.53557	0.53152	9.78716147	0.23920827	1.422E-05	0.039322	1.010574	0.07278	0.924667	0.88069624	11.19303
3316	489363.09	3847877.25	0.79992	0.53431	0.4162	0.83139	1.43896	0.37383	0.53838	0.53431	8.20790519	0.240463898	1.056E-05	0.043067	0.663577	0.05172	0.929519	0.8853191	9.250941
3317	489863.09	3847877.25	1.12339	0.53678	0.42197	0.73952	2.73539	0.32192	0.54086	0.53678	11.527001	0.241575511	1.07E-05	0.038308	1.261426	0.04454	0.9338	0.88941174	13.15725
3318	490363.09	3847877.25	0.66524	0.53891	0.45503	0.59382	2.1002	0.34482	0.54299	0.53891	6.82596616	0.242534108	1.154E-05	0.030761	0.968508	0.0477	0.937478	0.89294102	8.160021
3319	490863.09	3847877.25	0.55092	0.54067	0.49499	0.50922	2.1079	0.35418	0.54474	0.54067	5.6529392	0.243326188	1.256E-05	0.026378	0.972059	0.049	0.940499	0.89585724	6.988356
3320	491363.09	3847877.25	0.52396	0.54205	0.40941	0.43839	1.43179	0.33292	0.54612	0.54205	5.37630513	0.243947251	1.039E-05	0.022709	0.66027	0.04606	0.942882	0.89814381	6.394038
3321	491863.09	3847877.25	0.48462	0.54305	0.26215	0.49369	1.25026	0.28174	0.54711	0.54305	4.97264103	0.244397297	6.65E-06	0.025574	0.576558	0.03898	0.944591	0.89980075	5.902944
3322	492363.09	3847877.25	0.45929	0.54369	0.28179	0.47871	1.31557	0.26656	0.54772	0.54369	4.71273224	0.244685326	7.148E-06	0.024798	0.606676	0.03688	0.945644	0.90086119	5.670558
3323	492863.09	3847877.25	0.44928	0.54396	0.32669	0.60275	1.70854	0.29931	0.54798	0.54396	4.61002056	0.244806838	8.287E-06	0.031223	0.787894	0.04141	0.946093	0.90130857	5.760145
3324	493363.09	3847877.25	0.46048	0.5439	0.39642	0.63148	1.74695	0.31456	0.54788	0.5439	4.72494272	0.244779836	1.006E-05	0.032712	0.805607	0.04352	0.94592	0.90120915	5.89628
3325	493863.09	3847877.25	0.5025	0.5435	0.26984	0.57198	1.73891	0.30951	0.54746	0.5435	5.15610606	0.244599817	6.845E-06	0.029629	0.801899	0.04282	0.945195	0.90054637	6.319709
3326	494363.09	3847877.25	0.53735	0.54281	0.27726	0.5026	2.04656	0.3181	0.54674	0.54281	5.51369869	0.244289286	7.033E-06	0.026035	0.943772	0.04401	0.943952	0.89940309	6.816359
3327	494863.09	3847877.25	0.56547	0.54183	0.3557	0.34636	1.96923	0.33162	0.54572	0.54183	5.80223541	0.243848241	9.023E-06	0.017942	0.908111	0.04588	0.942191	0.89777929	7.062436
3328	495363.09	3847877.25	0.5823	0.54058	0.43084	0.35158	1.77312	0.32992	0.54445	0.54058	5.97492648	0.243285684	1.093E-05	0.018212	0.817675	0.04564	0.939998	0.89570811	7.144044
3329	495863.09	3847877.25	0.57902	0.5391	0.27676	0.46971	1.09196	0.31442	0.54292	0.5391	5.9412707	0.242619616	7.021E-06	0.024332	0.503558	0.0435	0.937357	0.89325584	6.799386
3330	496363.09	3847877.25	0.55085	0.53739	0.32217	0.57156	1.08984	0.38572	0.54118	0.53739	5.65222094	0.241850038	8.173E-06	0.029608	0.50258	0.05336	0.934353	0.89042248	6.52356
3331	496863.09	3847877.25	0.50469	0.53548	0.43938	0.62301	1.14071	0.42966	0.53923	0.53548	5.17857744	0.240990451	1.115E-05	0.032273	0.526039	0.05944	0.930986	0.88725772	6.08106
3332	497363.09	3847877.25	0.51133	0.53338	0.54942	0.54652	1.26184	0.44628	0.53709	0.53338	5.24670987	0.240045355	1.394E-05	0.02831	0.581898	0.06174	0.927291	0.88377815	6.202231
3333	497863.09	3847877.25	0.60172	0.53112	0.7029	0.56863	1.3112	0.44738	0.53479	0.53112	6.17419331	0.239028252	1.783E-05	0.029456	0.60466	0.06189	0.92332	0.88003347	7.152535
3334	498363.09	3847877.25	0.69427	0.52871	0.7701	0.59605	1.5336	0.44116	0.53234	0.52871	7.1238403	0.237943642	1.954E-05	0.030876	0.70722	0.06103	0.91909	0.87604025	8.203982
3335	471363.09	3848377.25	2.44959	2.92554	2.37067	1.41782	3.91355	1.33789	2.93887	2.92554	25.1350166	1.316626586	6.014E-05	0.073445	1.804735	0.18509	5.073989	4.84744147	28.74152
3336	471863.09	3848377.25	2.89028	3.47932	2.69882	1.51371	4.40493	1.7314	3.49414	3.47932	29.6568959	1.565852873	6.846E-05	0.078412	2.031335	0.23953	6.032668	5.76502118	33.83974
3337	472363.09	3848377.25	3.17122	4.20137	4.38104	1.64404	3.65449	1.75895	4.22385	4.20137	32.5395953	1.890808343	0.0001111	0.085164	1.685269	0.24334	7.29252	6.96141402	36.7754
3338	472863.09	3848377.25	3.22396	4.21526	5.30231	1.86919	2.23471	1.90097	4.24501	4.21526	33.0807556	1.897059478	0.0001345	0.096827	1.030537	0.26299	7.329053	6.9844289	36.71293
3339	473363.09	3848377.25	3.02633	3.96949	4.34992	2.69126	4.34517	2.08778	3.99258	3.96949	31.0528924	1.786451755	0.0001103	0.139411	2.003777	0.28883	6.89323	6.57720299	35.5875
3340	473863.09	3848377.25	2.63962	6.68203	2.31271	3.01855	6.41945	2.1203	6.73927	6.68203	27.0848969	3.007218616	5.867E-05	0.156365	2.960332	0.29333	11.63542	11.0717164	34.06591
3341	474363.09	3848377.25	3.5026	11.46563	0.59375	3.12515	6.84959	2.01748	12.7562	11.46563	35.9398549	5.160057045	1.506E-05	0.161887	3.158691	0.27911	22.02367	18.9978501	47.72544
3342	474863.09	3848377.25	2.46233	8.93156	1.33177	2.14435	3.82693	1.32336	9.06317	8.93156	25.2657406	4.019609834	3.378E-05	0.11108	1.76479	0.18308	15.64765	14.7990506	32.19294
3343	475363.09	3848377.25	2.74904	5.00838	3.23503	0.94079	1.67701	1.39458	5.26983	5.00838	28.2076454	2.253999693	8.207E-05	0.048734	0.773354	0.19293	9.098415	8.2985804	32.27658
3344	475863.09	3848377.25	2.80147	3.30804	2.29757	1.41247	2.331	1.36929	3.34408	3.30804	28.7456247	1.488769052	5.828E-05	0.073168	1.074941	0.18943	5.773588	5.48122066	31.86436
3345	476363.09	3848377.25	2.4772	2.4243	1.70428	1.81516	2.88437	1.2515	2.45431	2.4243	25.4183202	1.091045699	4.323E-05	0.094028	1.330128	0.17314	4.237391	4.01691734	28.32718
3346	476863.09	3848377.25	2.50466	2.07345	1.20568	3.4858	4.39125	1.71814	3.25598	2.07345	25.7000848	0.933147178	3.059E-05	0.180569	2.025027	0.2377	5.621482	3.43558028	31.26246
3347	477363.09	3848377.25	3.98501	1.92741	0.75423	2.15043	5.07291	1.96826	2.30607	1.92741	40.8898193	0.86742251	1.913E-05	0.111395	2.339374	0.2723	3.981453	3.1936009	45.26818
3348	477863.09	3848377.25	5.11586	2.41554	0.52637	1.57699	3.47376	1.89042	1.79403	2.41554	52.4933666	1.087103299	1.335E-05	0.08169	1.601926	0.26153	3.097411	4.00240256	54.62064
3349	478363.09	3848377.25	5.46112	2.40035	0.6646	1.28919	2.51465	1.72547	2.68939	2.40035	56.0360476	1.080267105	1.686E-05	0.066782	1.159632	0.23871	4.643259	3.97723365	59.24748
3350	478863.09	3848377.25	3.92564	1.45621	0.47242	1.79932	1.03003	1.54032	1.56446	1.45621	40.2806292	0.655360994	1.198E-05	0.093207	0.474999	0.2131	2.701056	2.41285122	42.00551
3351	479363.09	3848377.25	2.64248	1.02549	0.47634	1.90893	1.64919	1.05704	1.10797	1.02549	27.1142431	0.461517326	1.208E-05	0.098885	0.760525	0.14624	1.912921	1.69917443	28.79517
3352	479863.09	3848377.25	0.9361	0.53336	0.61312	0.39983	0.92984	0.37861	0.53701	0.53336	9.60523558	0.240036354	1.555E-05	0.020712	0.428796	0.05238	0.927153	0.88374501	10.39058
3353	480363.09	3848377.25	1.22504	0.69138	0.64113	0.41682	2.25864	0.46286	0.6967	0.69138	12.5700222	0.31115257	1.626E-05	0.021592	1.041573	0.06403	1.20286	1.14557452	14.06568
3354	480863.09	3848377.25	2.43115	1.01594	0.87573	0.49764	1.45642	0.5101	1.02332	1.01594	24.9458055	0.45721939	2.222E-05	0.025778	0.671629	0.07057	1.766772	1.68335066	26.25445
3355	481363.09	3848377.25	2.52809	1.01985	0.98708	0.47433	0.83153	0.6292	1.02731	1.01985	25.9404978	0.458979068	2.504E-05	0.024571	0.38346	0.08705	1.773661	1.68982929	26.97841
3356	481863.09	3848377.25	2.37183	1.04408	0.85227	0.739	0.99578	0.73197	1.05182	1.04408	24.3371284	0.469883675	2.162E-05	0.038281	0.459204	0.10126	1.815978	1.72997692	25.49178
3357	482363.09	3848377.25	2.38622	1.03456	0.64425	0.80551	2.4329	0.86745	1.04227	1.03456	24.4847829	0.46559924	1.634E-05	0.041727	1.121933	0.12001	1.79949	1.71420286	26.31935
3358	482863.09	3848377.25	2.58435	0.60593	0.71671	0.77245	1.71499	0.9749	0.61057	0.60593	26.5177765	0.272696168	1.818E-05	0.040014	0.790868	0.13487	1.054155	1.00398908	27.80641
3359	483363.09	3848377.25	2.75922	0.61498	0.74132	0.80364	1.8273	0.95319	0.61966	0.61498	28.3121014	0.276769081	1.881E-05	0.04163	0.84266	0.13187	1.069849	1.01898438	29.65591

3360	483863.09	3848377.25	2.68797	0.62223	0.73031	0.72385	1.73547	0.90052	0.62701	0.62223	27.5810117	0.280031912	1.853E-05	0.037496	0.800313	0.12458	1.082539	1.03099719	28.875
3361	484363.09	3848377.25	2.28322	0.63059	0.6661	0.80931	3.55384	0.75526	0.63547	0.63059	23.4279094	0.283794294	1.69E-05	0.041923	1.638855	0.10449	1.097145	1.0448492	25.54928
3362	484863.09	3848377.25	1.62063	0.63878	0.79208	0.87878	3.99644	0.57694	0.64376	0.63878	16.6291346	0.287480168	2.009E-05	0.045522	1.84296	0.07982	1.111458	1.05841953	18.93797
3363	485363.09	3848377.25	1.02314	0.64312	0.69125	0.82208	3.38345	0.51386	0.64816	0.64312	10.498345	0.289433366	1.754E-05	0.042585	1.560279	0.07109	1.119055	1.06561064	12.51519
3364	485863.09	3848377.25	0.93399	0.64637	0.59654	0.65409	2.8694	0.43856	0.65145	0.64637	9.58358507	0.290896015	1.513E-05	0.033883	1.323225	0.06067	1.124735	1.07099569	11.34602
3365	486363.09	3848377.25	0.84942	0.64833	0.68419	0.71324	1.20286	0.5187	0.65339	0.64833	8.71582011	0.291778104	1.736E-05	0.036947	0.554699	0.07176	1.128084	1.0742433	9.724862
3366	486863.09	3848377.25	0.92474	0.64957	0.62273	0.5264	1.5107	0.57796	0.65463	0.64957	9.48867167	0.292336161	1.58E-05	0.027268	0.69666	0.07996	1.130225	1.0762979	10.63884
3367	487363.09	3848377.25	0.83271	0.64979	0.47781	0.46393	2.50552	0.59235	0.65483	0.64979	8.54436035	0.292435171	1.212E-05	0.024032	1.155421	0.08195	1.130571	1.07666243	10.15212
3368	487863.09	3848377.25	0.7848	0.64913	0.50856	0.40767	2.79598	0.54882	0.65414	0.64913	8.05276027	0.292138141	1.29E-05	0.021118	1.289367	0.07593	1.129379	1.07556885	9.785133
3369	488363.09	3848377.25	0.9264	0.64771	0.59664	0.57529	3.87184	0.60952	0.65267	0.64771	9.50570478	0.291499076	1.514E-05	0.029801	1.7855	0.08432	1.126841	1.07321599	11.75047
3370	488863.09	3848377.25	1.04227	0.64563	0.42828	0.77433	1.9881	0.51967	0.65054	0.64563	10.6946361	0.290562981	1.086E-05	0.040111	0.916813	0.07189	1.123164	1.06976956	12.06742
3371	489363.09	3848377.25	1.12025	0.643	0.40688	0.85133	2.49935	0.35959	0.64785	0.643	11.4947817	0.289379361	1.032E-05	0.0441	1.152576	0.04975	1.11852	1.06541181	13.0837
3372	489863.09	3848377.25	1.14928	0.63992	0.44039	0.80853	2.64745	0.333	0.64469	0.63992	11.7926559	0.28799322	1.117E-05	0.041883	1.220873	0.04607	1.113064	1.06030844	13.44224
3373	490363.09	3848377.25	1.12385	0.63644	0.47855	0.62689	2.31327	0.35197	0.64115	0.63644	11.531721	0.286427061	1.214E-05	0.032474	1.066765	0.04869	1.106952	1.05454229	13.0185
3374	490863.09	3848377.25	1.05969	0.63265	0.47872	0.54919	1.94362	0.35453	0.63728	0.63265	10.8733811	0.284721388	1.214E-05	0.028449	0.896301	0.04905	1.10027	1.04826249	12.18392
3375	491363.09	3848377.25	0.61171	0.6286	0.34329	0.48822	2.09287	0.32311	0.63315	0.6286	6.27669977	0.282898703	8.709E-06	0.02529	0.965128	0.0447	1.09314	1.04155189	7.646314
3376	491863.09	3848377.25	0.64521	0.62433	0.28339	0.50612	1.59324	0.2677	0.6288	0.62433	6.62044018	0.280977008	7.189E-06	0.026218	0.734723	0.03703	1.08563	1.03447676	7.750553
3377	492363.09	3848377.25	0.44741	0.61989	0.30855	0.48429	1.58873	0.2902	0.62429	0.61989	4.59083266	0.278978805	7.827E-06	0.025087	0.732643	0.04015	1.077843	1.02711995	5.71842
3378	492863.09	3848377.25	0.47594	0.61532	0.37984	0.63875	1.86668	0.31379	0.61964	0.61532	4.88357635	0.276922097	9.636E-06	0.033088	0.86082	0.04341	1.069815	1.01954774	6.148095
3379	493363.09	3848377.25	0.51512	0.61065	0.38557	0.61981	1.62579	0.31727	0.6149	0.61065	5.28559871	0.274820384	9.781E-06	0.032107	0.749734	0.04389	1.061631	1.01180983	6.435984
3380	493863.09	3848377.25	0.54793	0.6059	0.27777	0.55745	2.06224	0.31643	0.61007	0.6059	5.62225909	0.272682667	7.046E-06	0.028877	0.951003	0.04378	1.053292	1.00393937	6.967957
3381	494363.09	3848377.25	0.57371	0.60109	0.31424	0.46937	2.09584	0.33417	0.60519	0.60109	5.88678529	0.270517947	7.972E-06	0.024314	0.966497	0.04623	1.044867	0.99596949	7.243251
3382	494863.09	3848377.25	0.58589	0.59625	0.4527	0.34773	1.91376	0.33701	0.60028	0.59625	6.01176314	0.268339726	1.148E-05	0.018013	0.882531	0.04662	1.03639	0.98794991	7.275722
3383	495363.09	3848377.25	0.57481	0.59139	0.32501	0.42518	1.20587	0.40528	0.59535	0.59139	5.89807228	0.266152504	8.245E-06	0.022025	0.556087	0.05607	1.027878	0.97989719	6.846394
3384	495863.09	3848377.25	0.53846	0.58652	0.43139	0.5349	1.13382	0.44307	0.59041	0.58652	5.52508829	0.263960782	1.094E-05	0.027709	0.522862	0.0613	1.019349	0.97182789	6.448448
3385	496363.09	3848377.25	0.5233	0.58165	0.5616	0.62212	1.17821	0.45487	0.58548	0.58165	5.36953293	0.261769059	1.425E-05	0.032227	0.543332	0.06293	1.010837	0.9637586	6.316882
3386	496863.09	3848377.25	0.61448	0.57679	0.70383	0.60764	1.30432	0.45248	0.58057	0.57679	6.30512249	0.259581837	1.785E-05	0.031477	0.601488	0.0626	1.00236	0.95570588	7.306939
3387	497363.09	3848377.25	0.70826	0.57196	0.77053	0.55941	1.20076	0.44453	0.57567	0.57196	7.2673904	0.257408117	1.955E-05	0.028978	0.553731	0.0615	0.9939	0.94770286	8.215223
3388	497863.09	3848377.25	0.79788	0.56715	0.76288	0.61068	1.58923	0.437	0.57081	0.56715	8.18697294	0.255243397	1.935E-05	0.031634	0.732874	0.06046	0.985509	0.93973298	9.312977
3389	498363.09	3848377.25	0.87579	0.56237	0.67308	0.66127	1.46018	0.42991	0.56598	0.56237	8.98640025	0.253092179	1.707E-05	0.034255	0.673363	0.05948	0.97717	0.93181281	10.05196
3390	471363.09	3848877.25	2.02793	2.28401	2.84971	1.36226	1.50554	1.37011	2.29893	2.28401	20.8084023	1.027908793	7.229E-05	0.070567	0.69428	0.18955	3.969126	3.78446536	22.97544
3391	471863.09	3848877.25	2.26379	2.4612	2.93983	1.4719	2.99494	1.42451	2.47742	2.4612	23.22854	1.107652384	7.458E-05	0.076246	1.381118	0.19707	4.277291	4.07805839	26.18994
3392	472363.09	3848877.25	2.79398	2.85209	2.43823	1.49306	4.30724	1.68057	2.86904	2.85209	28.6687705	1.283570732	6.185E-05	0.077343	1.986285	0.2325	4.953427	4.7257393	32.47622
3393	472863.09	3848877.25	3.2029	3.41014	3.74164	1.60848	4.58364	1.8867	3.43365	3.41014	32.8646609	1.534718714	9.492E-05	0.083322	2.113747	0.26102	5.928232	5.65039414	37.1354
3394	473363.09	3848877.25	3.39717	4.22466	5.52071	1.7061	3.54549	1.93304	4.25482	4.22466	34.8580474	1.901289907	0.00014	0.088378	1.635004	0.26743	7.34599	7.00000413	39.09627
3395	473863.09	3848877.25	3.33969	5.49107	5.5862	2.42487	3.16647	2.11961	5.53457	5.49107	34.2682504	2.471232234	0.0001417	0.125612	1.460219	0.29324	9.555491	9.09836832	39.07582
3396	474363.09	3848877.25	3.00037	7.29857	3.78635	3.00493	5.60618	2.2175	7.35416	7.29857	30.7865193	3.284689768	9.605E-05	0.15566	2.585292	0.30678	12.69703	12.0932857	37.72278
3397	474863.09	3848877.25	2.66567	13.24929	1.09809	3.36644	7.64515	2.26535	13.3751	13.24929	27.3521935	5.96278549	2.786E-05	0.174386	3.525564	0.3134	23.09223	21.953266	38.46732
3398	475363.09	3848877.25	2.61799	10.6795	1.29582	3.25791	6.26029	1.91602	10.7524	10.6795	26.8629534	4.806262648	3.287E-05	0.168764	2.886935	0.26507	18.56411	17.6952806	35.85885
3399	475863.09	3848877.25	2.90134	8.86466	3.5076	1.60698	3.04219	1.44569	8.98676	8.86466	29.7703816	3.989501779	8.898E-05	0.083244	1.402907	0.2	15.51573	14.6882013	36.27366
3400	476363.09	3848877.25	3.05139	4.99378	3.113	1.33725	2.21393	1.41318	5.09932	4.99378	31.3100308	2.247429026	7.897E-05	0.069271	1.020955	0.19551	8.804028	8.27438909	35.37291
3401	476863.09	3848877.25	2.81421	2.5895	2.12619	1.76536	2.86892	1.31747	2.91916	2.5895	28.8763487	1.165393242	5.394E-05	0.091448	1.323003	0.18227	5.039959	4.29064367	32.38783
3402	477363.09	3848877.25	2.91181	3.06079	1.41231	3.67912	4.12366	1.89348	3.82398	3.06079	29.8778133	1.377495262	3.583E-05	0.190584	1.901627	0.26195	6.60214	5.07154248	35.14011
3403	477863.09	3848877.25	4.46153	3.02889	0.83773	2.22503	5.62609	2.43908	3.055	3.02889	45.779347	1.363138805	2.125E-05	0.11526	2.594473	0.33743	5.274488	5.01868612	50.44548
3404	478363.09	3848877.25	5.3324	2.83448	0.59555	1.82279	3.63499	2.07814	2.73882	2.83448	54.7152636	1.275645428	1.511E-05	0.094423	1.676277	0.2875	4.7286	4.6965606	58.08116
3405	478863.09	3848877.25	5.68626	2.51541	0.69626	1.56612	2.87044	1.83323	2.97209	2.51541	58.3461883	1.132049359	1.766E-05	0.081127	1.323704	0.25362	5.131344	4.16788106	62.10017
3406	479363.09	3848877.25	3.79502	1.75634	0.48162	1.93499	1.0721	1.54184	1.78044	1.75634	38.9403495	0.790433198	1.222E-05	0.100235	0.494399	0.21331	3.073948	2.91014833	40.70253
3407	479863.09	3848877.25	3.25159	1.74644	0.56818	2.03661	2.19832	1.10126	1.765	1.74644	33.3642645	0.785977746	1.441E-05	0.105499	1.013756	0.15235	3.04729	2.89374464	35.57541
3408	480363.09	3848877.25	3.31739	1.74761	0.66329	1.59707	7.04412	0.78775	1.76656	1.74761	34.0394322	0.7865043	1.683E-05	0.08273	3.248398	0.10898	3.049984	2.89568326	38.42036
3409	480863.09	3848877.25	3.695	1.73512	1.3855	1.06284	6.8374	0.80682	1.7549	1.73512	37.9140535	0.780883229	3.515E-05	0.055057	3.153069	0.11162	3.029853	2.87498809	42.16958
3410	481363.09	3848877.25	3.87025	1.7057	2.0166	1.05383	1.57092	0.8402	1.72222	1.7057	39.7122775	0.767642886	5.116E-05	0.05459	0.72443	0.11624	2.97343	2.82624094	41.52242
3411	481863.09	3848877.25	2.76266	1.46581	1.10588	0.76701	0.92899	0.74944	1.47831	1.46581	28.3473989	0.659681432	2.805E-05	0.039732	0.428404	0.10368	2.552317	2.42875783	29.70249
3412	482363.09	3848877.25	2.32792	0.86238	0.72839	0.7712	1.217	0.79529	0.86882	0.86238	23.886572	0.388110378	1.848E-05	0.039949	0.56122	0.11002	1.500027	1.4289111	25.05701
3413	482863.09	3848877.25	2.48948	0.83349	0.88351	0.70064	1.64441	0.81905	0.83971	0.83349	25.5443242	0.375108559	2.241E-05	0.036294	0.75832	0.11331	1.449768	1.38104213	26.89611
3414	483363.09	3848877.25	2.71282	0.81902	0.76662	0.5649	1.81409	0.92032	0.8251	0.81902	27.8359953	0.368596398	1.945E-05	0.029263	0.836568	0.12732	1.424544	1.35706622	29.26524
3415	483863.09	3848877.25	2.03594	0.80504	0.73513	0.53631	1.59789	0.93728	0.811	0.80504	20.8905922	0.36230476	1.865E-05	0.027782	0.736868	0.12967	1.4002	1.33390221	22.21353
3416	484363.09	3848877.25	2.48369	0.7924	0.75305	0.83495	3.00249	0.82786	0.79824	0.7924	25.4849135	0.356616183	1.91E-05	0.043252	1.384599	0.11453	1.378169	1.3129585	27.44914
3417	484863.09	3848877.25	1.88218	0.8161	1.0771	0.97622	6.83927	0.70571	0.82209	0.8161	19.312875	0.367282265	2.732E-05	0.05057	3.153932	0.09763	1.419347	1.35222796	23.04944
3418	485363.09	3848877.25	1.18356	0.77027	1.07235	0.87809	4.59096	0.655	0.77595	0.77027	12.1443998	0.346656672	2.72E-05	0.045486	2.117123	0.09062	1.339686	1.27629044	14.8077

3419	485863.09	3848877.25	1.17017	0.75715	0.64103	0.72273	3.54763	0.44187	0.76268	0.75715	12.0070062	0.340752073	1.626E-05	0.037438	1.635991	0.06113	1.316775	1.2545514	14.14456
3420	486363.09	3848877.25	0.85946	0.74307	0.81409	0.79504	1.51348	0.52544	0.74845	0.74307	8.81883962	0.33441543	2.065E-05	0.041184	0.697942	0.07269	1.292207	1.2312217	10.02608
3421	486863.09	3848877.25	0.93519	0.73159	1.00234	0.54917	1.49643	0.58694	0.73683	0.73159	9.59589816	0.329248906	2.543E-05	0.028448	0.690079	0.0812	1.272144	1.21220004	10.78484
3422	487363.09	3848877.25	1.11211	0.72116	0.61457	0.49195	2.57902	0.60289	0.72629	0.72116	11.4112579	0.32455493	1.559E-05	0.025484	1.189316	0.08341	1.253947	1.19491817	13.09306
3423	487863.09	3848877.25	0.8967	0.7112	0.59937	0.42138	2.89891	0.55899	0.7162	0.7112	9.20095582	0.320072475	1.52E-05	0.021828	1.336833	0.07733	1.236527	1.17841505	11.01515
3424	488363.09	3848877.25	1.02228	0.70166	0.44156	0.57783	3.97448	0.61814	0.70655	0.70166	10.4895206	0.315779039	1.12E-05	0.029932	1.832833	0.08552	1.219866	1.16260785	12.81085
3425	488863.09	3848877.25	1.11326	0.69253	0.5787	0.79022	2.01569	0.51368	0.6973	0.69253	11.423058	0.311670122	1.468E-05	0.040934	0.929536	0.07107	1.203896	1.14748	12.83269
3426	489363.09	3848877.25	1.15773	0.68376	0.71044	0.87254	2.78437	0.3433	0.68842	0.68376	11.8793605	0.307723222	1.802E-05	0.045199	1.284013	0.04749	1.188564	1.13294865	13.61942
3427	489863.09	3848877.25	1.14612	0.67533	0.52687	0.81378	2.44486	0.3426	0.67988	0.67533	11.7602314	0.303929337	1.337E-05	0.042155	1.127448	0.0474	1.17382	1.11898065	13.33601
3428	490363.09	3848877.25	1.08597	0.66722	0.53917	0.64827	2.40701	0.35873	0.67167	0.66722	11.1430378	0.300279467	1.368E-05	0.033581	1.109994	0.04963	1.159645	1.10554287	12.69064
3429	490863.09	3848877.25	1.00517	0.65941	0.3683	0.61605	2.01899	0.3513	0.66375	0.65941	10.3139565	0.29676461	9.343E-06	0.031912	0.931058	0.0486	1.145971	1.09260218	11.67567
3430	491363.09	3848877.25	0.65155	0.65186	0.31581	0.47205	2.04275	0.31054	0.65611	0.65186	6.68549433	0.293366765	8.011E-06	0.024453	0.942015	0.04296	1.132781	1.08009229	8.040987
3431	491863.09	3848877.25	0.53096	0.64457	0.31989	0.51887	1.40149	0.27789	0.64872	0.64457	5.44813149	0.290085932	8.115E-06	0.026878	0.646298	0.03844	1.120022	1.0680132	6.501855
3432	492363.09	3848877.25	0.49021	0.63751	0.36164	0.55719	1.86088	0.30915	0.64158	0.63751	5.0299995	0.28690861	9.174E-06	0.028863	0.858145	0.04277	1.107694	1.05631521	6.298075
3433	492863.09	3848877.25	0.52694	0.63066	0.42202	0.65585	1.79165	0.3219	0.63465	0.63066	5.40688264	0.283825797	1.071E-05	0.033974	0.82622	0.04453	1.09573	1.04496518	6.646211
3434	493363.09	3848877.25	0.55791	0.62401	0.35058	0.60166	2.03568	0.31302	0.62793	0.62401	5.72466295	0.280832994	8.893E-06	0.031167	0.938755	0.0433	1.084128	1.03394654	7.068912
3435	493863.09	3848877.25	0.58103	0.61755	0.30884	0.5443	2.20649	0.35275	0.6214	0.61755	5.96189513	0.277925699	7.835E-06	0.028195	1.017524	0.0488	1.072853	1.02324271	7.38396
3436	494363.09	3848877.25	0.58748	0.61126	0.46004	0.42115	2.02183	0.42448	0.61505	0.61126	6.02807798	0.275094911	1.167E-05	0.021816	0.932368	0.05872	1.06189	1.01282056	7.365163
3437	494863.09	3848877.25	0.56764	0.60514	0.42373	0.37591	1.40337	0.4553	0.60887	0.60514	5.82450158	0.272340632	1.075E-05	0.019473	0.647165	0.06299	1.05122	1.0026801	6.875019
3438	495363.09	3848877.25	0.53519	0.59915	0.59526	0.49419	1.17935	0.46268	0.60283	0.59915	5.49153513	0.269644858	1.51E-05	0.0256	0.543858	0.06401	1.040792	0.99275503	6.442699
3439	495863.09	3848877.25	0.62737	0.59331	0.73894	0.59689	1.21903	0.4575	0.59695	0.59331	6.43738559	0.267016592	1.875E-05	0.03092	0.562156	0.06329	1.03064	0.98307851	7.408351
3440	496363.09	3848877.25	0.72255	0.58759	0.78138	0.64523	1.34978	0.44816	0.59119	0.58759	7.41401877	0.264442331	1.982E-05	0.033424	0.622452	0.062	1.020696	0.97360082	8.443452
3441	496863.09	3848877.25	0.81267	0.58199	0.7261	0.54306	1.22815	0.43995	0.58555	0.58199	8.33873176	0.261922075	1.842E-05	0.028131	0.566362	0.06086	1.010958	0.96432196	9.302666
3442	497363.09	3848877.25	0.88926	0.5765	0.64402	0.61858	0.93491	0.43311	0.58002	0.5765	9.12461467	0.259451324	1.634E-05	0.032043	0.431134	0.05992	1.00141	0.95522536	9.953363
3443	497863.09	3848877.25	0.94903	0.5711	0.57358	0.63628	1.80717	0.42679	0.5746	0.5711	9.73790912	0.257021078	1.455E-05	0.03296	0.833377	0.05904	0.992053	0.94627789	10.9661
3444	498363.09	3848877.25	0.99511	0.56579	0.577	0.66919	2.84918	0.42139	0.56927	0.56579	10.2107317	0.254631335	1.464E-05	0.034665	1.3139	0.0583	0.98285	0.93747955	11.91761
3445	471363.09	3849377.25	1.93339	1.47079	1.844	1.16684	1.57929	1.20133	1.47867	1.47079	19.8383361	0.661922659	4.678E-05	0.060444	0.72829	0.1662	2.552939	2.43700939	21.57117
3446	471863.09	3849377.25	2.09698	1.63267	2.72341	1.18727	0.99615	1.39791	1.64175	1.63267	21.516918	0.734776051	6.909E-05	0.061502	0.459375	0.19339	2.834498	2.70523468	23.0953
3447	472363.09	3849377.25	2.14236	1.76566	3.18458	1.49292	1.87504	1.49019	1.77695	1.76566	21.982558	0.794627624	8.079E-05	0.077335	0.864675	0.20616	3.067922	2.92559101	24.06777
3448	472863.09	3849377.25	2.62982	2.00184	3.15564	1.55214	3.44626	1.50997	2.02961	2.00184	26.98434	0.900919408	8.005E-05	0.080403	1.589244	0.2089	3.504142	3.31692687	29.9511
3449	473363.09	3849377.25	3.15788	2.29807	2.86881	1.57	4.69382	1.98002	2.32161	2.29807	32.4027148	1.034236435	7.278E-05	0.081328	2.164557	0.27393	4.008283	3.80776193	36.15736
3450	473863.09	3849377.25	3.50489	2.96625	5.04449	1.6918	4.67205	2.01212	2.99467	2.96625	35.9633524	1.334947945	0.000128	0.087638	2.154518	0.27837	5.170328	4.91489546	40.07438
3451	474363.09	3849377.25	3.59771	3.80847	6.37044	1.98894	3.42515	2.11947	3.84229	3.80847	36.9157698	1.713985403	0.0001616	0.10303	1.579509	0.29322	6.633753	6.31040267	40.92902
3452	474863.09	3849377.25	3.39846	4.65153	5.33475	2.90008	4.51336	2.31269	4.68984	4.65153	34.871284	2.093400899	0.0001353	0.150228	2.081338	0.31995	8.097056	7.7073017	39.90609
3453	475363.09	3849377.25	2.92761	5.69898	2.64505	3.25423	6.89408	2.32344	5.75333	5.69898	30.0399356	2.564801227	6.71E-05	0.168574	3.179207	0.32144	9.933183	9.44286251	36.76434
3454	475863.09	3849377.25	2.29822	10.40492	1.3668	3.22637	7.22	2.16167	10.4733	10.40492	23.581823	4.682689111	3.467E-05	0.16713	3.329506	0.29906	18.08233	17.2403183	32.90225
3455	476363.09	3849377.25	2.52046	12.40276	3.85563	2.52443	5.24347	1.88349	12.5194	12.40276	25.8622071	5.581808336	9.781E-05	0.130769	2.418028	0.26057	21.61494	20.5506174	35.3178
3456	476863.09	3849377.25	3.35592	17.79433	4.32699	1.23658	2.15513	1.45362	18.0226	17.79433	34.434785	8.008261026	0.0001098	0.064057	0.993839	0.2011	31.11613	29.4841203	45.33416
3457	477363.09	3849377.25	3.07298	8.97432	2.72545	1.76347	2.82414	1.38095	9.08124	8.97432	31.5315638	4.038853786	6.914E-05	0.09135	1.302353	0.19105	15.67885	14.8699013	37.96419
3458	477863.09	3849377.25	3.33409	5.99562	1.50239	3.89303	3.70925	2.10458	6.05437	5.99562	34.2107893	2.698302773	3.811E-05	0.201664	1.710522	0.29116	10.45293	9.93437691	39.63103
3459	478363.09	3849377.25	5.04775	4.38085	0.92037	2.77678	6.00903	2.86325	4.42442	4.38085	51.7944962	1.971582539	2.335E-05	0.143841	2.771066	0.39612	7.638806	7.25880144	57.45713
3460	478863.09	3849377.25	5.76788	3.66901	0.72687	2.06536	3.96057	1.96126	3.70523	3.66901	59.1836836	1.651222035	1.844E-05	0.106989	1.826418	0.27133	6.397117	6.07932595	63.35745
3461	479363.09	3849377.25	5.89313	3.04135	0.69327	1.8322	3.26702	1.94855	3.15245	3.04135	60.4688623	1.368746374	1.759E-05	0.094911	1.506587	0.26957	5.442737	5.03933158	64.1121
3462	479863.09	3849377.25	3.70348	2.08425	0.48844	2.15795	1.11889	1.61199	2.10533	2.08425	38.001066	0.938007671	1.239E-05	0.111785	0.515977	0.22301	3.634874	3.45347522	39.97126
3463	480363.09	3849377.25	4.98715	2.03549	0.85544	2.91551	4.36901	1.57716	2.05669	2.03549	51.1726852	0.916063445	2.17E-05	0.151027	2.014771	0.21819	3.550896	3.37268287	54.65097
3464	480863.09	3849377.25	4.13871	1.63739	0.94075	1.94814	9.74508	1.06281	1.65473	1.63739	42.4669208	0.736900267	2.386E-05	0.100916	4.493947	0.14703	2.856908	2.71305543	48.0896
3465	481363.09	3849377.25	4.17113	1.53879	2.0587	1.12064	6.41256	0.86206	1.55441	1.53879	42.7995794	0.692525764	5.222E-05	0.058051	2.957154	0.11926	2.683705	2.54968124	46.76065
3466	481863.09	3849377.25	2.57173	0.82234	1.10143	0.62133	1.14437	0.6764	0.83149	0.82234	26.3882838	0.37009055	2.794E-05	0.032186	0.527727	0.09358	1.435576	1.36256726	27.4849
3467	482363.09	3849377.25	2.30027	0.81277	0.83487	0.73075	1.03112	0.73571	0.82081	0.81277	23.6028579	0.365783613	2.118E-05	0.037854	0.475501	0.10178	1.417137	1.34671035	24.65423
3468	482863.09	3849377.25	2.39447	0.79322	0.93564	0.58923	1.46526	0.70387	0.79959	0.79322	24.5694354	0.35698522	2.374E-05	0.030523	0.675705	0.09738	1.3805	1.31431719	25.79623
3469	483363.09	3849377.25	1.90108	0.74413	0.79684	0.59004	1.83884	0.89352	0.74854	0.74413	19.5068062	0.334892479	2.021E-05	0.030565	0.847982	0.12361	1.292362	1.23297806	20.90326
3470	483863.09	3849377.25	1.39854	0.73469	0.73468	0.55282	1.82712	0.96087	0.7391	0.73469	14.3502897	0.330644047	1.864E-05	0.028637	0.842577	0.13293	1.276064	1.21733655	15.74383
3471	484363.09	3849377.25	2.65187	0.72869	0.89788	0.94298	3.07103	0.91089	0.73311	0.72869	27.210593	0.327943774	2.278E-05	0.048848	1.416207	0.12602	1.265722	1.20739492	29.18796
3472	484863.09	3849377.25	2.14129	0.77215	1.33216	1.1212	8.41234	0.78891	0.77692	0.77215	21.9715788	0.347502758	3.379E-05	0.05808	3.879354	0.10914	1.34136	1.27940549	26.42765
3473	485363.09	3849377.25	1.51876	0.75607	0.82337	0.98699	7.70172	0.68344	0.76074	0.75607	15.583856	0.340266024	2.089E-05	0.051127	3.551651	0.09455	1.313425	1.25276191	19.68214
3474	485863.09	3849377.25	0.87916	0.70161	0.74375	0.78931	3.9725	0.44626	0.70595	0.70161	9.0209795	0.315756537	1.887E-05	0.040887	1.83192	0.06174	1.21883	1.16252501	11.3276
3475	486363.09	3849377.25	0.85294	0.69344	0.59706	0.59689	1.30268	0.53148	0.69771	0.69344	8.75193851	0.312079664	1.515E-05	0.03092	0.600731	0.07353	1.204603	1.14898782	9.824828
3476	486863.09	3849377.25	0.94792	0.68617	0.84739	0.7028	1.47543	0.59619	0.69041	0.68617	9.72651951	0.308807832	2.15E-05	0.036406	0.680395	0.08248	1.192	1.13694187	10.88969
3477	487363.09	3849377.25	1.12844	0.67927	0.87051	0.52133	2.6541	0.61356	0.68343	0.67927	11.5788185	0.305702517	2.208E-05	0.027006	1.223939	0.08488	1.179949	1.12550899	13.27481

3478	487863.09	3849377.25	1.15054	0.67225	0.63422	0.45126	3.01063	0.56961	0.67637	0.67225	11.8055846	0.302543196	1.609E-05	0.023376	1.388353	0.0788	1.16776	1.11387728	13.65256
3479	488363.09	3849377.25	1.23466	0.66563	0.60397	0.57969	4.05865	0.62515	0.66969	0.66563	12.6687321	0.299563894	1.532E-05	0.030029	1.871648	0.08649	1.156227	1.10290834	15.00979
3480	488863.09	3849377.25	1.24669	0.65919	0.75969	0.80686	2.03048	0.50875	0.66319	0.65919	12.7921709	0.2966656	1.927E-05	0.041796	0.936357	0.07038	1.145004	1.09223765	14.19016
3481	489363.09	3849377.25	1.16625	0.65293	0.68803	0.89513	3.00447	0.38579	0.65687	0.65293	11.9667835	0.293848314	1.745E-05	0.046369	1.385512	0.05337	1.134093	1.08186521	13.79813
3482	489863.09	3849377.25	1.11431	0.64682	0.58612	0.81689	2.18464	0.39529	0.6507	0.64682	11.4338319	0.291098535	1.487E-05	0.042316	1.007448	0.05469	1.12344	1.07174132	12.88109
3483	490363.09	3849377.25	1.0309	0.64084	0.47165	0.66926	2.34401	0.36395	0.64469	0.64084	10.5779696	0.288407262	1.196E-05	0.034669	1.080941	0.05035	1.113064	1.06183282	12.08358
3484	490863.09	3849377.25	0.94969	0.635	0.37551	0.62129	2.23003	0.34442	0.6388	0.635	9.74468132	0.285778995	9.526E-06	0.032184	1.028379	0.04765	1.102895	1.0521563	11.18942
3485	491363.09	3849377.25	0.89548	0.62928	0.33349	0.46265	1.81763	0.29557	0.63305	0.62928	9.18843752	0.283204734	8.46E-06	0.023966	0.838201	0.04089	1.092967	1.04267861	10.425
3486	491863.09	3849377.25	0.65175	0.62367	0.40555	0.53171	1.70242	0.3012	0.6274	0.62367	6.68754651	0.280679978	1.029E-05	0.027543	0.785072	0.04167	1.083212	1.03338318	7.872351
3487	492363.09	3849377.25	0.53808	0.61815	0.39367	0.61938	1.97845	0.32304	0.62187	0.61815	5.52118915	0.278195726	9.987E-06	0.032085	0.912363	0.04469	1.073665	1.02423687	6.837962
3488	492863.09	3849377.25	0.56731	0.61272	0.44365	0.65493	1.95798	0.37892	0.61642	0.61272	5.82111548	0.275751978	1.125E-05	0.033926	0.902923	0.05242	1.064255	1.0152397	7.135166
3489	493363.09	3849377.25	0.5872	0.60737	0.3173	0.58262	2.29095	0.44263	0.61106	0.60737	6.02520493	0.273344234	8.049E-06	0.030181	1.056472	0.06124	1.055001	1.00637507	7.495072
3490	493863.09	3849377.25	0.5866	0.60208	0.44897	0.52859	2.09817	0.46618	0.60576	0.60208	6.01904838	0.270963492	1.139E-05	0.027382	0.967572	0.06449	1.045851	0.99760986	7.397711
3491	494363.09	3849377.25	0.55731	0.59685	0.63236	0.40647	1.61736	0.46985	0.60053	0.59685	5.7185064	0.268609753	1.604E-05	0.021056	0.745846	0.065	1.036821	0.98894407	6.866913
3492	494863.09	3849377.25	0.64036	0.59166	0.81071	0.45159	1.22594	0.46205	0.59534	0.59166	6.57067478	0.266274016	2.057E-05	0.023393	0.565343	0.06392	1.027861	0.98034456	7.537143
3493	495363.09	3849377.25	0.73716	0.58651	0.84171	0.55832	1.2628	0.45153	0.59019	0.58651	7.56393063	0.263956281	2.135E-05	0.028922	0.582341	0.06247	1.018969	0.97181132	8.548795
3494	495863.09	3849377.25	0.8277	0.58138	0.71158	0.6499	1.39902	0.44359	0.58507	0.58138	8.4929532	0.261647547	1.805E-05	0.033666	0.645159	0.06137	1.010129	0.96331123	9.54163
3495	496363.09	3849377.25	0.90263	0.57627	0.57225	0.61541	1.2557	0.43688	0.57996	0.57627	9.261803	0.259347814	1.452E-05	0.031879	0.579067	0.06044	1.001307	0.95484427	10.23901
3496	496863.09	3849377.25	0.95933	0.57116	0.52226	0.61824	1.03305	0.43	0.57486	0.57116	9.84359646	0.25704808	1.325E-05	0.032026	0.476391	0.05949	0.992502	0.94637731	10.71469
3497	497363.09	3849377.25	1.00256	0.56605	0.54297	0.63921	2.19427	0.42435	0.56976	0.56605	10.2871755	0.254748347	1.377E-05	0.033112	1.011888	0.05871	0.983696	0.93791035	11.69143
3498	497863.09	3849377.25	1.03917	0.56094	0.66425	0.74971	3.14556	0.42204	0.56466	0.56094	10.6628273	0.252448614	1.685E-05	0.038836	1.450576	0.05839	0.974891	0.92944339	12.50854
3499	498363.09	3849377.25	1.07276	0.55582	0.76474	0.58078	3.2336	0.45727	0.55954	0.55582	11.0074912	0.25014438	1.94E-05	0.030085	1.491176	0.06326	0.966051	0.92095986	12.88727
3500	471363.09	3849877.25	1.49412	1.48029	1.21982	1.03741	3.08501	0.75643	1.49406	1.48029	15.3310272	0.666198093	3.094E-05	0.053739	1.422653	0.10465	2.57951	2.45275031	17.70506
3501	471863.09	3849877.25	1.89364	2.11772	1.27563	1.13986	2.68338	1.0635	2.13644	2.11772	19.430465	0.9530707	3.236E-05	0.059046	1.237442	0.14713	3.688585	3.50893297	22.00684
3502	472363.09	3849877.25	2.08819	1.98435	2.27488	1.17317	1.89425	1.37035	1.99827	1.98435	21.4267246	0.89304811	5.771E-05	0.060772	0.873534	0.18958	3.450033	3.28794701	23.6058
3503	472863.09	3849877.25	2.23914	1.93801	3.09842	1.35083	1.15452	1.52647	1.95725	1.93801	22.9756086	0.872192994	7.86E-05	0.069975	0.532407	0.21118	3.379212	3.21116445	24.82949
3504	473363.09	3849877.25	2.41013	1.9762	3.47612	1.60491	2.25224	1.58617	1.99574	1.9762	24.7301212	0.889380237	8.818E-05	0.083137	1.038621	0.21944	3.445665	3.27444295	27.13201
3505	473863.09	3849877.25	3.03391	1.98981	3.36042	1.62456	3.93313	1.8998	2.0102	1.98981	31.1306701	0.895505359	8.525E-05	0.084154	1.813764	0.26283	3.470631	3.29699389	34.36064
3506	474363.09	3849877.25	3.52717	2.15904	4.16048	1.63619	5.01	2.20095	2.17835	2.15904	36.1919654	0.971666586	0.0001055	0.084757	2.310363	0.30449	3.760943	3.57739769	40.04689
3507	474863.09	3849877.25	3.78552	2.87625	6.44017	1.78988	4.70168	2.15564	2.26115	2.87625	38.8428708	1.294443836	0.0001634	0.092718	2.168181	0.29822	3.903898	4.76577095	41.83473
3508	475363.09	3849877.25	3.7645	2.86514	6.78309	2.59616	3.2699	2.35344	2.53886	2.86514	38.6271866	1.289443828	0.0001721	0.134485	1.507916	0.32559	4.383368	4.74736235	41.52079
3509	475863.09	3849877.25	3.4217	4.2803	4.47972	3.27166	5.99195	2.45857	4.31983	4.2803	35.1097475	1.926330447	0.0001136	0.169477	2.76319	0.34013	7.45823	7.09219622	40.67502
3510	476363.09	3849877.25	2.76651	3.78947	1.63315	3.46474	7.65763	2.42071	3.81919	3.78947	28.3869034	1.705434535	4.143E-05	0.179478	3.531319	0.33489	6.59387	6.27892083	34.45302
3511	476863.09	3849877.25	2.56561	6.21437	3.69949	3.26922	6.68605	2.11969	6.26623	6.21437	26.3254871	2.796750261	9.385E-05	0.16935	3.083274	0.29325	10.81871	10.2968323	33.19008
3512	477363.09	3849877.25	2.80845	8.69488	5.20686	2.05123	4.21017	1.50967	8.76135	8.69488	28.8172459	3.913093026	0.0001321	0.106257	1.941521	0.20886	15.12656	14.4068862	35.70678
3513	477863.09	3849877.25	3.60864	15.90606	3.20277	1.71989	2.74087	1.43616	15.9028	15.90606	37.0279215	7.158453304	8.125E-05	0.089093	1.263953	0.19869	27.45626	26.355372	46.83907
3514	478363.09	3849877.25	3.77333	7.78807	1.77214	3.81206	3.38855	2.15205	7.83463	7.78807	38.7177904	3.50498712	4.496E-05	0.19747	1.562631	0.29773	13.52657	12.9043573	44.90286
3515	478863.09	3849877.25	5.60275	4.88602	1.03663	3.36299	6.02783	3.43651	4.92077	4.88602	57.4892999	2.198932106	2.63E-05	0.174208	2.779736	0.47542	8.495759	8.09583734	63.51755
3516	479363.09	3849877.25	6.2939	3.74659	0.86806	2.35887	4.99529	2.35796	3.76797	3.74659	64.5811262	1.686136577	2.202E-05	0.122193	2.30358	0.32621	6.505438	6.20787128	69.31684
3517	479863.09	3849877.25	5.82225	3.98194	0.79928	2.04992	3.73982	2.32862	4.31396	3.98194	59.7415691	1.792054824	2.028E-05	0.106189	1.724619	0.32215	7.448096	6.59783189	64.53687
3518	480363.09	3849877.25	5.04054	2.73823	2.18598	2.71561	1.26066	2.02417	2.75854	2.73823	51.7205151	1.232328533	5.545E-05	0.140672	0.581354	0.28003	4.762647	4.53708022	54.18053
3519	480863.09	3849877.25	4.80329	2.16824	0.80738	2.80967	5.02384	1.43815	2.18655	2.16824	49.2861147	0.975807006	2.048E-05	0.145545	2.316746	0.19896	3.775101	3.59264153	53.10565
3520	481363.09	3849877.25	4.21835	1.83534	1.88782	1.66431	9.28611	1.01596	1.85205	1.83534	43.2840995	0.825986805	4.789E-05	0.086214	4.282293	0.14055	3.197583	3.04104652	48.77573
3521	481863.09	3849877.25	2.72565	0.85382	1.59534	0.59978	3.35908	0.70475	0.86335	0.85382	27.9676427	0.384257987	4.047E-05	0.031069	1.549041	0.0975	1.490583	1.4147277	30.10541
3522	482363.09	3849877.25	2.31353	0.80441	0.92351	0.68771	1.00491	0.68918	0.8115	0.80441	23.7389175	0.362021231	2.343E-05	0.035624	0.463415	0.09534	1.401063	1.33285834	24.76355
3523	482863.09	3849877.25	2.31655	0.77061	0.8269	0.60961	1.19667	0.63896	0.77607	0.77061	23.7699054	0.346809688	2.098E-05	0.031579	0.551845	0.0884	1.339893	1.2768538	24.8516
3524	483363.09	3849877.25	1.81838	0.70139	0.85789	0.60527	1.73104	0.84724	0.70512	0.70139	18.6582291	0.315657527	2.176E-05	0.031354	0.79827	0.11721	1.217397	1.16216048	19.97598
3525	483863.09	3849877.25	2.02653	0.69543	0.73046	0.58691	1.9758	0.96995	0.69921	0.69543	20.794037	0.312975255	1.853E-05	0.030403	0.911141	0.13419	1.207193	1.15228512	22.23767
3526	484363.09	3849877.25	2.77674	0.78146	0.98124	0.94706	1.82104	1.01418	0.78952	0.78146	28.4918725	0.351692683	2.489E-05	0.049059	0.839773	0.14031	1.363114	1.29483159	29.94101
3527	484863.09	3849877.25	2.38773	0.91276	1.44554	1.18582	7.55834	0.97854	0.92094	0.91276	24.5002768	0.410783679	3.667E-05	0.061427	3.485531	0.13538	1.590012	1.51238769	28.67106
3528	485363.09	3849877.25	1.7008	0.76913	0.83962	1.15235	8.9445	0.70515	0.77596	0.76913	17.4517516	0.34614362	2.13E-05	0.059693	4.124759	0.09755	1.339703	1.27440153	22.14522
3529	485863.09	3849877.25	1.20344	0.73646	0.97202	0.85831	4.02927	0.58725	0.74464	0.73646	12.3483866	0.331440628	2.466E-05	0.044462	1.858099	0.08124	1.285629	1.22026933	14.72902
3530	486363.09	3849877.25	0.94623	0.70458	1.09593	0.73659	2.09393	0.53954	0.71128	0.70458	9.70917858	0.317093173	2.78E-05	0.038156	0.965617	0.07464	1.228032	1.16744612	11.1653
3531	486863.09	3849877.25	0.9665	0.67079	0.9534	0.86996	1.45149	0.60836	0.67842	0.67079	9.91716717	0.30188613	2.419E-05	0.045065	0.669355	0.08416	1.171299	1.11145815	11.0775
3532	487363.09	3849877.25	1.1454	0.66091	1.21056	0.55197	2.73476	0.62451	0.66497	0.66091	11.7528435	0.297439679	3.071E-05	0.028593	1.261136	0.0864	1.148077	1.09508759	13.47943
3533	487863.09	3849877.25	1.15548	0.65484	0.89203	0.48441	3.13368	0.58075	0.65889	0.65484	11.8562735	0.294707901	2.263E-05	0.025093	1.445098	0.08034	1.13758	1.08502997	13.75409
3534	488363.09	3849877.25	1.25218	0.64848	0.95061	0.58098	4.1193	0.63022	0.65256	0.64848	12.8485032	0.291845611	2.411E-05	0.030096	1.899617	0.08719	1.126651	1.07449184	15.20943
3535	488863.09	3849877.25	1.24553	0.64284	0.7169	0.82429	2.03211	0.5057	0.64696	0.64284	12.7802682	0.289307353	1.819E-05	0.042699	0.937108	0.06996	1.116983	1.0651467	14.1712
3536	489363.09	3849877.25	1.14305	0.63758	0.6058	0.91928	3.12318	0.49359	0.64174	0.63758	11.7287304	0.286940113	1.537E-05	0.04762	1.440256	0.06829	1.107971	1.0564312	13.62339

3537	489863.09	3849877.25	1.06032	0.63266	0.59652	0.81764	4.53822	0.41099	0.63685	0.63266	10.8798455	0.284725889	1.513E-05	0.042355	2.092802	0.05686	1.099528	1.04827906	13.40785
3538	490363.09	3849877.25	0.97028	0.62774	0.5869	0.68939	2.66575	0.39706	0.63197	0.62774	9.9559534	0.282511664	1.489E-05	0.035711	1.229312	0.05493	1.091103	1.04012692	11.60941
3539	490863.09	3849877.25	0.90402	0.6228	0.46355	0.61573	2.26627	0.38509	0.62708	0.6228	9.27606567	0.280288438	1.176E-05	0.031896	1.045091	0.05328	1.08266	1.03194164	10.73735
3540	491363.09	3849877.25	0.87648	0.61784	0.6277	0.49435	1.50112	0.29542	0.62215	0.61784	8.99348027	0.278056212	1.592E-05	0.025608	0.692242	0.04087	1.074148	1.02372322	10.0807
3541	491863.09	3849877.25	0.71664	0.61283	0.40371	0.54435	2.02829	0.40717	0.61718	0.61283	7.3533768	0.275801483	1.024E-05	0.028198	0.935347	0.05633	1.065568	1.01542196	8.699209
3542	492363.09	3849877.25	0.57614	0.60776	0.40112	0.66256	1.82167	0.45921	0.61214	0.60776	5.91171929	0.273519752	1.018E-05	0.034322	0.840064	0.06353	1.056866	1.00702128	7.173009
3543	492863.09	3849877.25	0.59186	0.60262	0.44784	0.63998	2.33605	0.47574	0.60702	0.60262	6.07302076	0.271206517	1.136E-05	0.033152	1.07727	0.06582	1.048026	0.99850461	7.569999
3544	493363.09	3849877.25	0.58278	0.59739	0.68098	0.56754	2.27995	0.47663	0.60181	0.59739	5.97985172	0.268852778	1.727E-05	0.029399	1.0514	0.06594	1.039031	0.98983882	7.444653
3545	493863.09	3849877.25	0.65357	0.59207	0.84158	0.50242	1.83213	0.46611	0.59651	0.59207	6.70622136	0.266458535	2.135E-05	0.026026	0.844887	0.06448	1.029881	0.9810239	7.956955
3546	494363.09	3849877.25	0.7522	0.58665	0.87002	0.44383	1.27293	0.45467	0.5911	0.58665	7.71825468	0.264019288	2.207E-05	0.022991	0.587012	0.0629	1.02054	0.97204329	8.703697
3547	494863.09	3849877.25	0.84301	0.58114	0.75287	0.51807	1.31031	0.44771	0.58559	0.58114	8.6500477	0.261539536	1.91E-05	0.026837	0.60425	0.06194	1.011027	0.96291356	9.652745
3548	495363.09	3849877.25	0.9158	0.57553	0.57031	0.62331	1.45167	0.44094	0.57998	0.57553	9.39693916	0.25901478	1.447E-05	0.032288	0.669438	0.061	1.001341	0.95361813	10.46642
3549	495863.09	3849877.25	0.96902	0.56983	0.50267	0.6681	1.28358	0.43378	0.57427	0.56983	9.94302466	0.25644952	1.275E-05	0.034609	0.591923	0.06001	0.991483	0.94417358	10.93334
3550	496363.09	3849877.25	1.00933	0.56405	0.53519	0.60861	1.35399	0.42836	0.56847	0.56405	10.3566418	0.253848256	1.358E-05	0.031527	0.624393	0.05926	0.981469	0.93459647	11.37256
3551	496863.09	3849877.25	1.04458	0.55819	0.65514	0.66085	2.6046	0.42559	0.56259	0.55819	10.7183388	0.251210988	1.662E-05	0.034233	1.201112	0.05888	0.971317	0.92488681	12.31022
3552	497363.09	3849877.25	1.07813	0.55226	0.80142	0.76385	3.37323	0.42499	0.55664	0.55226	11.0625923	0.248542217	2.033E-05	0.039568	1.555566	0.0588	0.961045	0.91506116	13.01107
3553	497863.09	3849877.25	1.10705	0.54628	0.85183	0.60063	3.12405	0.47936	0.55063	0.54628	11.3593377	0.245850944	2.161E-05	0.031113	1.440657	0.06632	0.950668	0.90515266	13.18881
3554	498363.09	3849877.25	1.12285	0.54025	0.77806	0.53362	2.10944	0.52181	0.54457	0.54025	11.5214601	0.243137169	1.974E-05	0.027642	0.972769	0.07219	0.940206	0.89516132	12.88226
3555	471363.09	3850377.25	1.43926	0.81601	0.73207	0.98178	3.52932	0.77586	0.82246	0.81601	14.7681138	0.367241761	1.857E-05	0.050858	1.627547	0.10734	1.419986	1.35207884	16.98902
3556	471863.09	3850377.25	1.53015	0.87726	1.34119	1.01266	4.43024	0.75521	0.8862	0.87726	15.7007277	0.394807058	3.402E-05	0.052457	2.043007	0.10448	1.530033	1.45356635	18.37198
3557	472363.09	3850377.25	1.66239	1.19199	1.58597	1.06949	3.5703	0.81974	1.20298	1.19199	17.0576301	0.536449929	4.023E-05	0.055401	1.646445	0.11341	2.076957	1.97505478	19.51128
3558	472863.09	3850377.25	1.99359	1.50137	1.63131	1.17988	3.02425	1.28526	1.51364	1.50137	20.4560427	0.675685056	4.138E-05	0.061119	1.394634	0.17781	2.613315	2.48767858	22.89097
3559	473363.09	3850377.25	2.26312	1.63001	2.52889	1.2482	2.21599	1.43206	1.62332	1.63001	23.2216652	0.73357893	6.415E-05	0.064659	1.021905	0.19812	2.802678	2.70082722	25.34184
3560	473863.09	3850377.25	2.40414	1.87149	3.36263	1.49473	1.3516	1.59631	1.73037	1.87149	24.6686583	0.842255956	8.53E-05	0.077429	0.623291	0.22084	2.987501	3.10094486	26.31912
3561	474363.09	3850377.25	2.83764	1.74994	3.81179	1.71942	2.70095	1.69612	1.77925	1.74994	29.1167618	0.787552906	9.67E-05	0.089068	1.245544	0.23465	3.071893	2.89954392	31.64602
3562	474863.09	3850377.25	3.46599	1.90251	3.58438	1.68827	4.44022	2.28944	1.93556	1.90251	35.564203	0.856216373	9.093E-05	0.087455	2.047609	0.31673	3.341764	3.15234311	39.06173
3563	475363.09	3850377.25	3.88996	2.48375	5.76008	1.71035	5.26463	2.32826	2.04227	2.48375	39.91452	1.117800913	0.0001461	0.088599	2.427786	0.3221	3.526	4.11542237	43.28153
3564	475863.09	3850377.25	4.04003	3.28945	7.68298	2.08675	4.71324	2.36269	2.32303	3.28945	41.4543744	1.480402703	0.0001949	0.108097	2.173512	0.32687	4.010735	5.45041816	44.10376
3565	476363.09	3850377.25	3.87813	3.01484	6.5816	3.14257	4.71302	2.58285	3.04546	3.01484	39.7931335	1.356815664	0.000167	0.16279	2.173411	0.35732	5.258018	4.99540613	44.10625
3566	476863.09	3850377.25	3.36307	2.92639	3.16274	3.56405	7.29577	2.59146	2.94995	2.92639	34.5081504	1.317009125	8.023E-05	0.184623	3.364447	0.35852	5.093119	4.84884987	39.97709
3567	477363.09	3850377.25	2.61352	3.97683	3.32975	3.79766	7.01646	2.54335	4.00866	3.97683	26.8170872	1.78975509	8.447E-05	0.196724	3.235643	0.35186	6.920992	6.58936493	32.72278
3568	477863.09	3850377.25	2.93342	5.02829	5.83208	3.10623	5.75198	1.911	5.07601	5.02829	30.0995515	2.262960102	0.0001479	0.160907	2.652528	0.26438	8.763783	8.33157006	35.87268
3569	478363.09	3850377.25	2.9973	9.74722	3.61162	1.63579	2.69151	1.48261	9.88628	9.74722	30.7550183	4.386694079	9.162E-05	0.084736	1.241191	0.20511	17.06876	16.1505495	37.59106
3570	478863.09	3850377.25	4.57387	16.42158	2.11798	3.55577	3.4208	2.25965	16.2321	16.42158	46.9320573	7.390460844	5.373E-05	0.184194	1.577503	0.31261	28.02485	27.2095572	57.21217
3571	479363.09	3850377.25	6.3566	7.05805	1.16282	3.9189	5.64872	3.90366	7.0651	7.05805	65.2244851	3.176444785	2.95E-05	0.203004	2.604909	0.54005	12.19797	11.6947587	72.25213
3572	479863.09	3850377.25	6.85046	5.27408	0.99192	2.5818	5.93448	2.82519	5.31204	5.27408	70.2919369	2.373576826	2.516E-05	0.133741	2.736688	0.39085	9.171291	8.73882911	76.35928
3573	480363.09	3850377.25	5.96277	3.88681	2.62096	2.20991	4.21473	2.38725	3.91386	3.88681	61.1834319	1.74924198	6.649E-05	0.114476	1.943624	0.33026	6.757319	6.44020727	65.63822
3574	480863.09	3850377.25	5.99451	3.34196	3.68791	3.11387	1.71319	2.33937	3.2087	3.34196	61.5091131	1.504034601	9.355E-05	0.161303	0.790038	0.32364	5.539853	5.53742403	64.29065
3575	481363.09	3850377.25	4.50558	2.51628	1.40924	2.74106	6.03672	1.34149	2.5362	2.51628	46.23134	1.132440899	3.575E-05	0.141991	2.783836	0.18559	4.378775	4.1693226	50.68468
3576	481863.09	3850377.25	4.92964	1.97487	2.21649	1.57065	9.77154	1.1216	1.99308	1.97487	50.5825804	0.888781677	5.623E-05	0.081362	4.506149	0.15517	3.441073	3.27223922	56.38293
3577	482363.09	3850377.25	4.68882	1.43973	1.78896	1.29952	4.83122	0.82251	1.45068	1.43973	48.1115487	0.647944241	4.538E-05	0.067317	2.227919	0.11379	2.504614	2.38554486	51.28763
3578	482863.09	3850377.25	2.28719	1.2576	0.80185	0.78432	1.05112	0.80179	1.27044	1.2576	23.4686452	0.565977425	2.034E-05	0.040629	0.484724	0.11092	2.193428	2.08376655	24.78058
3579	483363.09	3850377.25	2.47293	1.09458	0.93168	0.72483	1.49484	0.85652	1.10378	1.09458	25.3745062	0.492610981	2.363E-05	0.037547	0.689346	0.1185	1.905687	1.81365235	26.80456
3580	483863.09	3850377.25	2.76444	0.99496	0.7203	0.9128	1.98992	1.12252	1.00478	0.99496	28.3656633	0.447777432	1.827E-05	0.047284	0.917652	0.1553	1.734763	1.64858808	30.01987
3581	484363.09	3850377.25	2.87065	0.92354	1.10033	0.97183	3.33174	1.22806	0.93409	0.92354	29.4554743	0.415635171	2.791E-05	0.050342	1.536433	0.1699	1.612716	1.53024949	31.71028
3582	484863.09	3850377.25	2.60446	1.00766	1.30336	1.14029	6.04725	1.11534	1.01528	1.00766	26.7241233	0.453493012	3.306E-05	0.059069	2.788692	0.1543	1.752891	1.6696312	30.26297
3583	485363.09	3850377.25	2.13435	1.03906	0.93113	1.32687	9.59357	0.81001	1.04731	1.03906	21.9003681	0.467624446	2.362E-05	0.068734	4.424078	0.11206	1.808191	1.72165909	27.05942
3584	485863.09	3850377.25	1.7854	0.88308	1.26869	1.09294	6.6225	0.6419	0.89015	0.88308	18.3198244	0.397426323	3.218E-05	0.056616	3.053968	0.0888	1.536853	1.46320974	21.99031
3585	486363.09	3850377.25	1.74114	0.86817	1.33491	0.95501	3.65486	0.54801	0.87534	0.86817	17.8656766	0.390716142	3.386E-05	0.049471	1.68544	0.07581	1.511283	1.43850478	20.13993
3586	486863.09	3850377.25	1.4043	0.8367	1.36667	0.97418	2.77473	0.63692	0.84378	0.8367	14.4093925	0.376553205	3.467E-05	0.050464	1.279568	0.08811	1.456795	1.3863609	16.27456
3587	487363.09	3850377.25	1.16076	0.74741	0.78146	0.5871	2.81864	0.64962	0.7564	0.74741	11.9104511	0.336368628	1.982E-05	0.030413	1.299817	0.08987	1.305932	1.23841282	13.73446
3588	487863.09	3850377.25	1.1611	0.72596	1.07685	0.56049	5.01418	0.59246	0.73463	0.72596	11.9139398	0.326715149	2.732E-05	0.029034	2.312291	0.08196	1.268346	1.20287147	14.72945
3589	488363.09	3850377.25	1.27061	0.69995	0.84004	0.58142	4.15241	0.63254	0.70774	0.69995	13.0376118	0.315009461	2.131E-05	0.030118	1.914885	0.08751	1.22192	1.15977449	15.4473
3590	488863.09	3850377.25	1.24157	0.66892	1.11096	0.84245	2.44903	0.50495	0.67593	0.66892	12.739635	0.301044544	2.818E-05	0.04364	1.129371	0.06986	1.167	1.10835967	14.34222
3591	489363.09	3850377.25	1.09242	0.63923	0.63472	0.94517	3.21516	0.50391	0.64525	0.63923	11.2092207	0.287682689	1.61E-05	0.048961	1.482672	0.06971	1.114031	1.05916515	13.15313
3592	489863.09	3850377.25	0.99551	0.63139	0.60861	0.81562	4.8544	0.46311	0.63741	0.63139	10.2148361	0.284154331	1.544E-05	0.04225	2.238608	0.06407	1.100495	1.04617475	12.89825
3593	490363.09	3850377.25	0.91662	0.62481	0.79198	0.70805	3.13716	0.41242	0.63078	0.62481	9.4053531	0.28119303	2.009E-05	0.036678	1.446702	0.05706	1.089048	1.03527209	11.28078
3594	490863.09	3850377.25	0.87669	0.61801	0.66025	0.60669	2.08381	0.43596	0.62392	0.61801	8.99563506	0.27813272	1.675E-05	0.031427	0.96095	0.06031	1.077204	1.0240049	10.37967
3595	491363.09	3850377.25	0.87955	0.61101	0.39446	0.59452	3.78834	0.47345	0.61685	0.61101	9.02498126	0.2749824	1.001E-05	0.030797	1.746994	0.0655	1.064998	1.01240633	11.19586

3596	491863.09	3850377.25	0.9153	0.60384	0.49772	0.56148	2.08076	0.48519	0.60959	0.60384	9.3918087	0.271755573	1.263E-05	0.029085	0.959543	0.06712	1.052463	1.00052608	10.77127
3597	492363.09	3850377.25	0.59454	0.59652	0.76665	0.68278	2.32621	0.48371	0.60218	0.59652	6.10051999	0.268461238	1.945E-05	0.035369	1.072733	0.06692	1.03967	0.98839728	7.595294
3598	492863.09	3850377.25	0.66707	0.58907	0.93445	0.61678	2.45066	0.46973	0.59463	0.58907	6.84474362	0.265108398	2.37E-05	0.03195	1.130123	0.06498	1.026635	0.97605309	8.387515
3599	493363.09	3850377.25	0.7677	0.58154	0.8863	0.55867	2.03477	0.45764	0.587	0.58154	7.87729875	0.261719554	2.248E-05	0.02894	0.938335	0.06331	1.013461	0.96357634	9.219513
3600	493863.09	3850377.25	0.85859	0.57395	0.72108	0.46086	1.64014	0.4516	0.57931	0.57395	8.80991264	0.258303708	1.829E-05	0.023873	0.756351	0.06248	1.000185	0.95100017	9.96012
3601	494363.09	3850377.25	0.92866	0.56633	0.54723	0.47903	1.36191	0.44526	0.57158	0.56633	9.52889443	0.25487436	1.388E-05	0.024814	0.628045	0.0616	0.986839	0.93837429	10.54671
3602	494863.09	3850377.25	0.97794	0.5587	0.47789	0.58073	1.5087	0.43783	0.56385	0.5587	10.034552	0.251440511	1.212E-05	0.030083	0.695738	0.06057	0.973493	0.92573185	11.12016
3603	495363.09	3850377.25	1.01541	0.5511	0.54164	0.71035	1.76061	0.43274	0.55614	0.5511	10.4190282	0.248020164	1.374E-05	0.036797	0.811906	0.05987	0.960181	0.91313911	11.62267
3604	495863.09	3850377.25	1.04965	0.54353	0.67964	0.63434	1.75788	0.43026	0.54847	0.54353	10.7703616	0.244613319	1.724E-05	0.03286	0.810647	0.05952	0.946939	0.90059608	11.96437
3605	496363.09	3850377.25	1.08349	0.53602	0.83945	0.69555	3.01023	0.42971	0.54086	0.53602	11.1175907	0.241233476	2.13E-05	0.03603	1.388169	0.05945	0.9338	0.88815247	12.88814
3606	496863.09	3850377.25	1.11292	0.52859	0.89069	0.78782	3.50121	0.44503	0.53332	0.52859	11.4195693	0.237889637	2.259E-05	0.04081	1.614584	0.06157	0.920782	0.87584141	13.41938
3607	497363.09	3850377.25	1.12828	0.52124	0.79911	0.70479	2.89873	0.50088	0.52588	0.52124	11.5771768	0.234581801	2.027E-05	0.036509	1.33675	0.06929	0.907937	0.86366291	13.29861
3608	497863.09	3850377.25	1.11851	0.51399	0.61956	0.55871	1.71831	0.53524	0.51853	0.51399	11.4769277	0.23131897	1.572E-05	0.028942	0.792399	0.07405	0.895247	0.8516501	12.64725
3609	498363.09	3850377.25	1.07798	0.50684	0.43231	0.64186	1.967	0.51014	0.51129	0.50684	11.0610531	0.228101143	1.097E-05	0.033249	0.907083	0.07058	0.882747	0.83980299	12.34302
3610	471363.09	3850877.25	1.76504	0.78017	0.85443	1.22027	3.69466	0.90608	0.78614	0.78017	18.1109123	0.351112124	2.168E-05	0.063212	1.703794	0.12535	1.357279	1.29269414	20.41899
3611	471863.09	3850877.25	1.82078	0.84877	1.04089	1.04357	3.31296	0.80383	0.85715	0.84877	18.6828553	0.381985257	2.641E-05	0.054058	1.527773	0.11121	1.479878	1.40636016	20.83142
3612	472363.09	3850877.25	1.81316	0.93706	1.41819	0.9819	4.47579	0.79746	0.94679	0.93706	18.6046672	0.421719788	3.598E-05	0.050864	2.064012	0.11032	1.634643	1.55265131	21.33361
3613	472863.09	3850877.25	1.72889	1.21197	1.91294	1.09113	5.09684	0.83193	1.22152	1.21197	17.7399805	0.545441841	4.853E-05	0.056522	2.35041	0.11509	2.108967	2.00816042	20.9083
3614	473363.09	3850877.25	1.8388	1.08771	1.84302	1.10716	4.38474	0.90212	1.09598	1.08771	18.8677568	0.489519167	4.675E-05	0.057352	2.022024	0.1248	1.892221	1.80226918	21.65145
3615	473863.09	3850877.25	2.18315	1.41752	1.9234	1.21947	3.45729	1.32559	1.4296	1.41752	22.4011004	0.637948727	4.879E-05	0.06317	1.594331	0.18339	2.468219	2.34874424	24.99946
3616	474363.09	3850877.25	2.44313	1.90659	3.03183	1.25602	2.58532	1.63048	1.33638	1.90659	25.0687311	0.858052559	7.691E-05	0.065064	1.192221	0.22557	2.307274	3.15910343	26.55788
3617	474863.09	3850877.25	2.57256	2.0073	3.83228	1.68005	1.67243	1.75623	1.46221	2.0073	26.3968004	0.903376658	9.722E-05	0.087029	0.771242	0.24297	2.52452	3.32597376	27.60006
3618	475363.09	3850877.25	3.31504	1.63555	4.19716	1.82238	3.21471	2.12986	1.61277	1.63555	34.015319	0.736072183	0.0001065	0.094402	1.482465	0.29466	2.784464	2.71000667	36.69748
3619	475863.09	3850877.25	3.90921	1.77712	4.49715	1.74265	4.89934	2.56522	1.77126	1.77712	40.1120425	0.799785147	0.0001141	0.090272	2.259332	0.35489	3.058098	2.94457953	43.72995
3620	476363.09	3850877.25	4.23802	3.26117	7.55736	1.83768	4.89242	2.4319	2.23702	3.26117	43.4859315	1.467675412	0.0001917	0.095194	2.256141	0.33644	3.862238	5.40355993	46.10025
3621	476863.09	3850877.25	4.25126	3.38812	8.52379	2.74879	4.37677	2.64747	2.33146	3.38812	43.6217859	1.524808709	0.0002162	0.142391	2.018349	0.36626	4.025289	5.61390834	46.0852
3622	477363.09	3850877.25	3.91444	2.43759	5.60495	3.50639	5.99109	2.73854	2.49603	2.43759	40.1657071	1.097026805	0.0001422	0.181636	2.762793	0.37886	4.309421	4.03893806	44.85665
3623	477863.09	3850877.25	3.18642	2.79486	2.81275	3.97962	7.63737	2.83004	2.83745	2.79486	32.6955611	1.257814619	7.135E-05	0.20615	3.521976	0.39152	4.898886	4.63091268	38.34107
3624	478363.09	3850877.25	3.0265	3.43609	6.36854	4.11784	7.27717	2.59143	3.51065	3.43609	31.0546368	1.546397399	0.0001616	0.21331	3.35587	0.35851	6.061173	5.6933917	36.89667
3625	478863.09	3850877.25	3.12111	4.60506	4.70884	2.42511	4.97879	1.52529	4.69217	4.60506	32.0254212	2.072487277	0.0001195	0.125624	2.295971	0.21102	8.101079	7.63030375	37.20141
3626	479363.09	3850877.25	3.58528	9.13154	2.48187	3.20741	3.39551	3.00271	9.33063	9.13154	36.7882267	4.109609965	6.296E-05	0.166148	1.565841	0.41541	16.10943	15.1304052	44.02432
3627	479863.09	3850877.25	6.4719	19.2658	1.24874	4.63342	5.19127	4.03646	18.5941	19.2658	66.4075677	8.670489717	3.168E-05	0.240018	2.393956	0.55842	32.10292	31.9222564	78.45115
3628	480363.09	3850877.25	7.36215	7.72051	1.06317	2.74186	5.78957	3.3139	7.22761	7.72051	75.5423407	3.474582035	2.697E-05	0.142032	2.669862	0.45846	12.47854	12.7924145	81.97343
3629	480863.09	3850877.25	5.74585	6.94454	6.64663	2.54876	4.4265	2.90603	4.78013	6.94454	58.9576358	3.125360102	0.0001686	0.132029	2.041282	0.40204	8.252943	11.5066795	61.40477
3630	481363.09	3850877.25	6.2696	3.86307	4.13824	3.39267	2.15609	2.48315	3.88916	3.86307	64.3317861	1.738557896	0.000105	0.175745	0.994282	0.34353	6.714674	6.40087154	67.89781
3631	481863.09	3850877.25	5.52793	3.5231	2.49211	3.63646	9.7444	2.18246	3.54454	3.5231	56.7215788	1.585555872	6.322E-05	0.188374	4.493634	0.30193	6.119684	5.83756197	63.57326
3632	482363.09	3850877.25	5.7975	2.74318	1.84798	2.08058	11.31894	1.59109	2.76461	2.74318	59.4876117	1.234556259	4.688E-05	0.107777	5.219733	0.22012	4.773127	4.54528207	66.49769
3633	482863.09	3850877.25	4.69873	1.76174	1.88329	1.28554	3.91038	0.89971	1.778	1.76174	48.2132343	0.792863445	4.777E-05	0.066593	1.803273	0.12447	3.069735	2.9190958	51.15112
3634	483363.09	3850877.25	2.68124	1.51254	1.05932	0.87761	1.19176	0.95268	1.52371	1.51254	27.5119558	0.680712066	2.687E-05	0.045461	0.549581	0.1318	2.630701	2.50618659	29.04405
3635	483863.09	3850877.25	2.70561	1.47872	0.74944	0.97219	3.4452	1.20115	1.49086	1.47872	27.7620141	0.665491521	1.901E-05	0.050361	1.588755	0.16617	2.573985	2.45014891	30.35665
3636	484363.09	3850877.25	2.92164	1.41792	1.56392	0.99424	5.84174	1.31134	1.42853	1.41792	29.978678	0.638128745	3.967E-05	0.051503	2.693921	0.18142	2.466372	2.34940702	33.66065
3637	484863.09	3850877.25	2.77968	1.32508	1.50424	1.07631	4.18978	1.36996	1.33531	1.32508	28.5220396	0.596346506	3.816E-05	0.055754	1.932119	0.18953	2.305426	2.1955768	31.40567
3638	485363.09	3850877.25	2.41755	1.22341	1.19341	1.32642	9.31314	1.15165	1.23333	1.22341	24.8062571	0.550590363	3.027E-05	0.06871	4.294758	0.15933	2.129357	2.0271158	29.98191
3639	485863.09	3850877.25	2.07816	1.11455	1.14344	1.40267	8.56255	0.67463	1.12617	1.11455	21.3238077	0.501598393	2.901E-05	0.07266	3.948623	0.09333	1.944344	1.84674142	26.03765
3640	486363.09	3850877.25	2.13408	1.02926	1.4439	1.4444	4.7539	0.55654	1.03975	1.02926	21.8975976	0.463213998	3.663E-05	0.074822	2.192263	0.07699	1.795139	1.70542109	24.79465
3641	486863.09	3850877.25	1.77119	0.95439	1.31257	1.12901	4.21828	0.65804	0.96503	0.95439	18.1740169	0.429519079	3.33E-05	0.058484	1.945261	0.09104	1.666134	1.58136606	20.78312
3642	487363.09	3850877.25	1.25146	0.89181	1.04747	0.69225	2.90636	0.64978	0.9021	0.89181	12.8411154	0.401355222	2.657E-05	0.03586	1.340269	0.08989	1.557485	1.47767482	14.78833
3643	487863.09	3850877.25	1.20877	0.84477	0.99995	0.6325	5.44712	0.62966	0.85495	0.84477	12.4030773	0.380185074	2.537E-05	0.032764	2.511941	0.08711	1.47608	1.3997324	15.49145
3644	488363.09	3850877.25	1.28942	0.80768	0.94707	0.58088	8.31615	0.63158	0.81712	0.80768	13.2306194	0.36349288	2.403E-05	0.03009	3.834996	0.08738	1.410766	1.33827653	17.61909
3645	488863.09	3850877.25	1.23494	0.77675	1.13271	0.86142	2.86478	0.5065	0.78556	0.77675	12.6716052	0.349572968	2.873E-05	0.044623	1.321094	0.07007	1.356277	1.28702741	14.52625
3646	489363.09	3850877.25	1.02507	0.74977	0.80779	0.97303	4.06843	0.51015	0.75765	0.74977	10.5181485	0.337430736	2.049E-05	0.050404	1.876158	0.07058	1.30809	1.24232319	12.91851
3647	489863.09	3850877.25	1.01526	0.72273	1.04645	0.81051	4.81377	0.46345	0.72929	0.72273	10.417489	0.325261501	2.655E-05	0.041986	2.219872	0.06412	1.259127	1.19751956	13.13036
3648	490363.09	3850877.25	1.08191	0.69344	0.69206	0.7245	2.49502	0.48386	0.69952	0.69344	11.1013785	0.312079664	1.756E-05	0.03753	1.150579	0.06694	1.207728	1.14898782	12.72727
3649	490863.09	3850877.25	1.13862	0.65992	0.78391	0.72337	3.15251	0.49465	0.66513	0.65992	11.6832746	0.296994133	1.989E-05	0.037472	1.453781	0.06843	1.148354	1.09344722	13.59488
3650	491363.09	3850877.25	0.90372	0.58826	0.86673	0.76143	4.42327	0.49131	0.59548	0.58826	9.27298739	0.264743861	2.199E-05	0.039443	2.039793	0.06797	1.028102	0.97471097	11.73835
3651	491863.09	3850877.25	0.95733	0.55489	1.03868	0.63747	2.24442	0.47335	0.56035	0.55489	9.82307465	0.249725837	2.635E-05	0.033022	1.035015	0.06549	0.96745	0.91941891	11.25438
3652	492363.09	3850877.25	1.01447	0.54555	0.94778	0.6816	2.59539	0.46149	0.55082	0.54555	10.4093829	0.245522411	2.404E-05	0.035308	1.196865	0.06384	0.950996	0.9039431	11.998
3653	492863.09	3850877.25	0.87439	0.53651	0.71045	0.59195	2.21408	0.45695	0.54161	0.53651	8.97203498	0.241453998	1.802E-05	0.030664	1.021024	0.06322	0.935095	0.88896437	10.37454
3654	493363.09	3850877.25	0.94106	0.52779	0.50875	0.55275	1.76038	0.45001	0.53272	0.52779	9.65612968	0.2375296	1.291E-05	0.028633	0.8118	0.06226	0.919746	0.87451586	10.84159

3655	493863.09	3850877.25	0.98599	0.51935	0.45504	0.52566	1.41822	0.44167	0.52413	0.51935	10.1171523	0.233731215	1.154E-05	0.02723	0.654013	0.0611	0.904916	0.8605313	11.13762
3656	494363.09	3850877.25	1.02078	0.5112	0.52347	0.54152	1.5707	0.4366	0.51584	0.5112	10.4741292	0.230063342	1.328E-05	0.028051	0.724329	0.0604	0.890603	0.84702724	11.56056
3657	494863.09	3850877.25	1.05443	0.50332	0.71577	0.69691	2.67792	0.43528	0.50783	0.50332	10.8194088	0.226516983	1.816E-05	0.036101	1.234924	0.06022	0.876774	0.83397056	12.41999
3658	495363.09	3850877.25	1.08887	0.4957	0.89522	0.93257	2.19501	0.43499	0.50009	0.4957	11.1727944	0.223087635	2.271E-05	0.048308	1.01223	0.06018	0.86341	0.82134469	12.55869
3659	495863.09	3850877.25	1.11895	0.48832	0.92851	0.73451	3.37391	0.43402	0.49259	0.48832	11.4814425	0.219766298	2.355E-05	0.038049	1.55588	0.06004	0.850462	0.80911648	13.39655
3660	496363.09	3850877.25	1.13379	0.48118	0.80685	0.80387	3.5047	0.46737	0.48534	0.48118	11.6337144	0.216552972	2.047E-05	0.041642	1.616194	0.06466	0.837944	0.79728593	13.61344
3661	496863.09	3850877.25	1.12111	0.47424	0.60501	0.97813	2.56735	0.52224	0.47831	0.47424	11.5036061	0.213429655	1.535E-05	0.050668	1.183934	0.07225	0.825807	0.78578678	13.06392
3662	497363.09	3850877.25	1.0753	0.46751	0.51547	0.6861	1.994	0.54342	0.47149	0.46751	11.0335539	0.210400847	1.308E-05	0.035541	0.919534	0.07518	0.814032	0.77463558	12.31362
3663	497863.09	3850877.25	1.0031	0.46097	0.5429	0.74013	2.30496	0.49592	0.46486	0.46097	10.2927164	0.207457549	1.377E-05	0.03834	1.062933	0.06861	0.802586	0.76379919	11.70886
3664	498363.09	3850877.25	0.92096	0.4546	0.56287	0.70487	1.91375	0.42972	0.45842	0.4546	9.44988544	0.204590758	1.428E-05	0.036513	0.882527	0.05945	0.791467	0.75324449	10.6712
3665	471363.09	3851377.25	1.65138	0.77956	1.01055	1.71487	3.51028	1.19776	0.7861	0.77956	16.9446576	0.350837596	2.564E-05	0.088833	1.618767	0.1657	1.35721	1.29168341	19.23435
3666	471863.09	3851377.25	1.87085	0.86837	1.272	1.94276	3.62187	1.32315	1.03288	0.86837	19.1966189	0.390806152	3.227E-05	0.100638	1.670227	0.18305	1.783278	1.43883616	21.88581
3667	472363.09	3851377.25	1.97465	0.87156	1.18979	1.48322	4.48147	1.09893	0.88318	0.87156	20.2617011	0.392241797	3.018E-05	0.076833	2.066632	0.15203	1.524819	1.4441218	23.03017
3668	472863.09	3851377.25	2.00315	0.84647	1.25794	1.35894	4.39131	0.99194	0.8583	0.84647	20.554137	0.380950152	3.191E-05	0.070395	2.025054	0.13723	1.481864	1.4025492	23.24711
3669	473363.09	3851377.25	1.91458	0.83398	1.16757	1.19973	4.02336	0.89733	0.843	0.83398	19.6453284	0.375329081	2.962E-05	0.062148	1.855374	0.12414	1.455448	1.38185403	22.13594
3670	473863.09	3851377.25	1.84738	0.90243	1.37684	1.03277	5.32312	0.80986	0.91459	0.90243	18.9557954	0.406134707	3.493E-05	0.053499	2.454759	0.11204	1.579049	1.49527151	22.06604
3671	474363.09	3851377.25	2.03256	1.05273	2.04207	1.17212	5.23619	1.05875	1.05899	1.05273	20.8559103	0.47377657	5.18E-05	0.060717	2.414671	0.14647	1.828357	1.74430945	24.03565
3672	474863.09	3851377.25	2.3969	1.45753	2.39925	1.27537	3.85517	1.48542	1.47235	1.45753	24.5943694	0.655955054	6.086E-05	0.066066	1.777813	0.2055	2.542027	2.41503838	27.42675
3673	475363.09	3851377.25	2.66249	2.11202	3.38205	1.35982	3.02342	1.72087	1.63695	2.11202	27.3195638	0.950505439	8.58E-05	0.070441	1.394251	0.23807	2.826211	3.49948841	29.29964
3674	475863.09	3851377.25	3.09228	2.06217	4.17728	1.83909	1.98045	1.85753	1.69405	2.06217	31.7295993	0.928070663	0.000106	0.095267	0.913285	0.25698	2.924794	3.41689	33.43121
3675	476363.09	3851377.25	3.86035	1.62394	4.54685	1.90426	3.80035	2.58555	1.5812	1.62394	39.6106946	0.730847153	0.0001153	0.098643	1.752533	0.3577	2.729958	2.6907696	42.58972
3676	476863.09	3851377.25	4.43255	2.61242	5.93865	1.8319	5.9507	2.44472	2.12538	2.61242	45.4819859	1.175708289	0.0001507	0.094895	2.744167	0.33822	3.66949	4.32862072	49.17599
3677	477363.09	3851377.25	4.56734	3.85655	9.36906	2.16867	5.4225	2.64321	2.09469	3.85655	46.8650536	1.735623598	0.0002377	0.11234	2.500588	0.36568	3.616504	6.3900683	48.80595
3678	477863.09	3851377.25	4.42118	3.14236	8.47676	3.32872	4.99544	2.91153	2.57875	3.14236	45.3653194	1.414205487	0.000215	0.172432	2.303649	0.4028	4.452238	5.206699	48.90416
3679	478363.09	3851377.25	3.91494	2.4253	3.70589	3.91846	7.61757	2.97065	2.70161	2.4253	40.1708375	1.091495744	9.401E-05	0.202982	3.512845	0.41097	4.664357	4.01857428	46.03501
3680	478863.09	3851377.25	3.13751	2.81896	6.70039	4.73135	8.61238	3.17817	3.08226	2.81896	32.1937001	1.26866072	0.00017	0.245091	3.971602	0.43968	5.321553	4.67084491	38.76962
3681	479363.09	3851377.25	3.32608	3.41196	5.8356	4.0239	6.91312	2.43373	3.48035	3.41196	34.1285995	1.535537797	0.000148	0.208444	3.187988	0.33669	6.00886	5.65340976	39.75286
3682	479863.09	3851377.25	3.92174	4.6189	2.88953	2.74639	3.74233	3.79377	4.68418	4.6189	40.2406117	2.078715909	7.33E-05	0.142267	1.725777	0.52485	8.087284	7.65323578	45.14634
3683	480363.09	3851377.25	5.63461	9.05312	1.40928	5.17283	5.16569	4.32963	9.27996	9.05312	57.8162124	4.074317384	3.575E-05	0.26796	2.38216	0.59898	16.02195	15.0004681	66.16115
3684	480863.09	3851377.25	8.35974	20.23126	3.20016	3.03356	6.55479	3.53978	20.4283	20.23126	85.7785195	9.104990802	8.118E-05	0.157143	3.022744	0.48971	35.26963	33.5219647	100.3009
3685	481363.09	3851377.25	6.32516	9.62909	7.33355	2.86115	4.36951	3.01812	7.15131	9.62909	64.9018822	4.333530184	0.000186	0.148212	2.015001	0.41754	12.34681	15.9548152	68.20835
3686	481863.09	3851377.25	5.92535	4.89219	4.85398	3.73229	2.86633	2.69002	4.9192	4.89219	60.7994687	2.201708888	0.0001231	0.193338	1.321809	0.37215	8.493049	8.10606066	65.27559
3687	482363.09	3851377.25	6.01376	3.86189	2.76763	3.8545	12.12465	2.56311	3.87046	3.86189	61.7066355	1.738026842	7.021E-05	0.199668	5.591287	0.35459	6.682388	6.39891635	69.87375
3688	482863.09	3851377.25	6.15322	2.99206	2.04391	2.69436	12.74948	1.86725	3.00384	2.99206	63.1376217	1.346563624	5.185E-05	0.139572	5.879427	0.25832	5.18616	4.95766106	70.99006
3689	483363.09	3851377.25	4.39752	2.26486	1.21588	1.27397	2.69604	0.939	2.27778	2.26486	45.1225463	1.019290418	3.084E-05	0.065993	1.24328	0.12991	3.93261	3.75273498	47.76092
3690	483863.09	3851377.25	2.82401	1.86269	1.10131	0.97858	1.63595	1.23814	1.87433	1.86269	28.9769056	0.838295554	2.794E-05	0.050692	0.754419	0.17129	3.23605	3.0863638	30.94132
3691	484363.09	3851377.25	2.93281	2.05222	1.87452	1.00606	11.92999	1.74885	2.06903	2.05222	30.0932923	0.923592709	4.755E-05	0.052115	5.501519	0.24194	3.572201	3.40040346	36.98431
3692	484863.09	3851377.25	2.89148	1.40913	0.84875	1.02138	5.3906	1.25404	1.41778	1.40913	29.669209	0.634172844	2.153E-05	0.052909	2.485877	0.17349	2.447812	2.33484253	33.12865
3693	485363.09	3851377.25	2.76372	1.61565	1.60563	1.44947	7.99973	1.37991	1.62619	1.61565	28.3582755	0.727116274	4.073E-05	0.075085	3.689078	0.1909	2.807634	2.67703358	33.1711
3694	485863.09	3851377.25	2.4571	1.40669	1.39088	1.47586	10.21496	0.83516	1.41587	1.40669	25.212076	0.633074732	3.528E-05	0.076452	4.710632	0.11554	2.444514	2.33079959	30.86152
3695	486363.09	3851377.25	2.59272	1.37391	1.32463	1.66222	6.19977	0.61221	1.38303	1.37391	26.6036603	0.618322236	3.36E-05	0.086105	2.859026	0.0847	2.387815	2.27648513	30.36317
3696	486863.09	3851377.25	2.17735	1.31167	1.34974	1.30367	6.19585	0.67819	1.32204	1.31167	22.3415871	0.590311394	3.424E-05	0.067532	2.857218	0.09382	2.282515	2.17335725	26.05967
3697	487363.09	3851377.25	1.20912	1.23272	1.22673	0.81538	2.99483	0.65785	1.24429	1.23272	12.4066686	0.554780289	3.112E-05	0.042238	1.381067	0.09101	2.148279	2.04254191	14.58153
3698	487863.09	3851377.25	1.2237	1.16	1.00638	0.77521	5.88828	0.67853	1.1714	1.16	12.5562726	0.522052968	2.553E-05	0.040157	2.715382	0.09387	2.022434	1.9220493	16.02815
3699	488363.09	3851377.25	1.30858	1.08341	1.31133	0.70472	8.24763	0.67267	1.09443	1.08341	13.4272184	0.487583971	3.327E-05	0.036505	3.803398	0.09306	1.889544	1.79514434	17.9422
3700	488863.09	3851377.25	1.22676	1.0107	1.37986	0.88127	3.2403	0.67093	1.02158	1.0107	12.587671	0.454861151	3.5E-05	0.045651	1.494266	0.09282	1.763768	1.6746683	14.7644
3701	489363.09	3851377.25	1.0474	0.94589	0.99363	1.00312	4.84671	0.50956	0.95576	0.94589	10.7472746	0.425693691	2.521E-05	0.051963	2.235062	0.0705	1.650129	1.56728208	13.61336
3702	489863.09	3851377.25	1.10981	0.88975	1.04872	0.80929	4.34825	0.50434	0.89845	0.88975	11.3876578	0.400428128	2.66E-05	0.041922	2.005197	0.06977	1.551183	1.47426152	13.98193
3703	490363.09	3851377.25	1.16478	0.84129	1.10602	0.73785	2.39392	0.55283	0.8488	0.84129	11.9516999	0.378618915	2.806E-05	0.038222	1.103957	0.07648	1.465462	1.39396625	13.6205
3704	490863.09	3851377.25	1.2007	0.78138	1.13894	0.89092	4.25029	0.47571	0.78767	0.78138	12.3202717	0.351656679	2.889E-05	0.046151	1.960023	0.06581	1.35992	1.29469904	14.80916
3705	491363.09	3851377.25	1.18369	0.71502	0.98522	0.79519	4.33109	0.46576	0.72042	0.71502	12.1457337	0.321791649	2.499E-05	0.041192	1.997284	0.06444	1.243812	1.18474456	14.62953
3706	491863.09	3851377.25	1.00535	0.52767	0.69065	0.70318	2.69341	0.46304	0.53425	0.52767	10.3158034	0.237475595	1.752E-05	0.036426	1.242067	0.06406	0.922388	0.87431703	11.94392
3707	492363.09	3851377.25	1.05766	0.46936	0.62841	0.66499	2.55979	0.45504	0.47322	0.46936	10.8525515	0.211233432	1.594E-05	0.034447	1.180448	0.06295	0.817019	0.77770091	12.38097
3708	492863.09	3851377.25	1.08887	0.46353	0.50693	0.58053	2.81894	0.44535	0.46731	0.46353	11.1727944	0.208609666	1.286E-05	0.030072	1.299955	0.06161	0.806815	0.76804096	12.81183
3709	493363.09	3851377.25	1.02554	0.45787	0.49431	0.53858	1.47964	0.44041	0.46157	0.45787	10.5229712	0.206062407	1.254E-05	0.027899	0.682337	0.06093	0.796905	0.75866268	11.53845
3710	493863.09	3851377.25	1.05906	0.45235	0.72553	0.54907	1.63791	0.4399	0.45598	0.45235	10.8669168	0.203578155	1.841E-05	0.028443	0.755323	0.06086	0.787254	0.74951638	11.95287
3711	494363.09	3851377.25	1.09433	0.44695	0.94364	0.66959	2.73345	0.43998	0.45052	0.44695	11.228819	0.201147909	2.394E-05	0.034686	1.260531	0.06087	0.777827	0.74056891	12.82334
3712	494863.09	3851377.25	1.12518	0.44165	0.96573	0.94377	2.68865	0.43898	0.44517	0.44165	11.545368	0.198762667	2.45E-05	0.048889	1.239872	0.06073	0.768591	0.73178713	13.13045
3713	495363.09	3851377.25	1.13939	0.50272	0.81599	0.86765	3.65245	0.49693	0.50664	0.50272	11.6911755	0.226246955	2.07E-05	0.044945	1.684329	0.06875	0.874719	0.8329764	13.75721

3714	495863.09	3851377.25	1.12342	0.46758	0.57989	1.00732	3.36885	0.48898	0.47173	0.46758	11.5273088	0.210432351	1.471E-05	0.052181	1.553546	0.06765	0.814447	0.77475156	13.45083
3715	496363.09	3851377.25	1.09021	0.46336	0.59903	1.19586	2.15131	0.54317	0.46749	0.46336	11.186544	0.208533158	1.52E-05	0.061947	0.992077	0.07514	0.807126	0.76775928	12.56363
3716	496863.09	3851377.25	1.17249	0.45633	0.60982	0.75574	2.55126	0.54384	0.46018	0.45633	12.0308115	0.205369337	1.547E-05	0.039148	1.176514	0.07524	0.794505	0.756111	13.56549
3717	497363.09	3851377.25	1.24991	0.43093	0.61564	0.92808	2.42791	0.47559	0.43264	0.43093	12.825211	0.193938177	1.562E-05	0.048076	1.119632	0.0658	0.746957	0.71402475	14.2856
3718	497863.09	3851377.25	0.83271	0.41142	0.6193	0.80378	1.88335	0.4315	0.41481	0.41142	8.54436035	0.185157786	1.571E-05	0.041637	0.868508	0.0597	0.716174	0.68169786	9.73385
3719	498363.09	3851377.25	0.78007	0.40658	0.62253	0.61501	2.5394	0.43598	0.41	0.40658	8.00422617	0.182979565	1.579E-05	0.031858	1.171045	0.06032	0.707869	0.67367828	9.484632
3720	471363.09	3851877.25	2.85254	0.78266	1.53497	1.8294	3.03697	1.49965	0.8206	0.78266	29.2696493	0.352232738	3.894E-05	0.094765	1.4005	0.20747	1.416774	1.29681992	31.44461
3721	471863.09	3851877.25	2.54795	0.84554	1.37455	1.88952	3.40668	1.46651	0.8424	0.84554	26.1442795	0.380531609	3.487E-05	0.09788	1.570992	0.20288	1.454412	1.40100825	28.45001
3722	472363.09	3851877.25	2.27952	0.87779	1.21238	2.54376	3.92328	1.6494	1.11165	0.87779	23.389944	0.395045582	3.076E-05	0.13177	1.809222	0.22819	1.919275	1.45444453	26.41903
3723	472863.09	3851877.25	1.99497	0.83551	1.34927	2.70947	3.77826	1.71231	1.28783	0.83551	20.4702028	0.376017651	3.423E-05	0.140354	1.742346	0.23689	2.223452	1.38438915	23.80491
3724	473363.09	3851877.25	2.04522	0.82859	1.0547	2.26012	4.13332	1.47882	1.09318	0.82859	20.9858134	0.372903335	2.676E-05	0.117077	1.906082	0.20459	1.887386	1.37292313	24.10095
3725	473863.09	3851877.25	2.09937	0.88854	1.01474	1.86343	4.76508	1.30921	0.97997	0.88854	21.5414415	0.399883573	2.574E-05	0.096528	2.197418	0.18112	1.691928	1.47225662	24.63609
3726	474363.09	3851877.25	2.1415	0.92325	1.44438	1.60379	4.44625	1.18521	0.93702	0.92325	21.9737336	0.415504658	3.664E-05	0.083079	2.05039	0.16397	1.617775	1.52976898	24.77472
3727	474863.09	3851877.25	2.09008	0.99697	1.94854	1.37959	5.783	1.22003	1.06662	0.99697	21.4461177	0.448682024	4.943E-05	0.071465	2.666833	0.16879	1.84153	1.65191853	24.99154
3728	475363.09	3851877.25	2.22244	1.20329	2.3908	1.26446	6.02316	1.34475	1.2206	1.20329	22.8042514	0.541535445	6.065E-05	0.065501	2.777582	0.18604	2.107378	1.99377819	26.48857
3729	475863.09	3851877.25	2.65075	1.6091	2.76178	1.32724	4.73763	1.54639	1.34388	1.6091	27.1991008	0.724168475	7.006E-05	0.068753	2.18476	0.21394	2.320222	2.66618063	30.04483
3730	476363.09	3851877.25	2.95341	2.03889	3.18695	1.43994	3.64733	1.53993	1.32125	2.03889	30.304667	0.9175936	8.085E-05	0.074591	1.681968	0.21304	2.281152	3.37831646	32.09478
3731	476863.09	3851877.25	3.7607	1.84713	3.97228	1.87946	2.2417	1.91195	1.46845	1.84713	38.5881951	0.831292844	0.0001008	0.097359	1.033761	0.26451	2.535294	3.06058183	40.28993
3732	477363.09	3851877.25	4.52919	1.87206	4.50983	1.90612	4.53418	2.52163	1.89369	1.87206	46.4736	0.842512482	0.0001144	0.09874	2.090939	0.34886	3.269475	3.10188932	50.02235
3733	477863.09	3851877.25	4.97324	3.49062	7.39073	1.94165	7.12444	2.22033	1.80228	3.49062	51.029956	1.570938389	0.0001875	0.10058	3.285438	0.30717	3.111655	5.78374459	53.62218
3734	478363.09	3851877.25	5.10245	3.64875	9.30858	2.84296	7.34576	2.77565	2.45475	3.64875	52.3557679	1.64210411	0.0002361	0.147269	3.3875	0.384	4.238151	6.04575636	56.10927
3735	478863.09	3851877.25	4.75458	2.36679	5.96033	4.01085	7.14543	3.10848	2.70668	2.36679	48.7863059	1.065163573	0.0001512	0.207768	3.295118	0.43004	4.67311	3.92162678	54.53603
3736	479363.09	3851877.25	3.85994	2.16204	6.61848	4.60966	9.38109	3.43769	3.13994	2.16204	39.6064876	0.973016723	0.0001679	0.238787	4.326093	0.47559	5.421138	3.58236851	47.45891
3737	479863.09	3851877.25	3.50351	2.4895	7.37694	5.66386	9.02539	3.53273	3.61943	2.4895	35.9491923	1.120388676	0.0001871	0.293396	4.162062	0.48874	6.248983	4.12494977	44.13799
3738	480363.09	3851877.25	4.36734	2.92239	3.30867	2.87821	5.78341	4.73457	2.98371	2.92239	44.8128721	1.315208942	8.393E-05	0.149095	2.667022	0.655	5.151406	4.84222211	49.90847
3739	480863.09	3851877.25	6.18013	4.77427	1.54884	5.82139	4.94914	4.41978	4.85314	4.77427	63.4137427	2.148639503	3.929E-05	0.301556	2.282298	0.61145	8.378995	7.9106744	69.22605
3740	481363.09	3851877.25	7.51934	9.87091	7.53274	3.51175	7.29888	3.96625	9.98482	9.87091	77.1552528	4.442360226	0.0001911	0.181914	3.365881	0.54871	17.23889	16.3554962	86.57771
3741	481863.09	3851877.25	7.29031	12.67927	5.39641	3.13356	5.32815	3.14929	12.8145	12.67927	74.8051971	5.706250462	0.0001369	0.162323	2.457078	0.43569	22.12431	21.0087776	84.68221
3742	482363.09	3851877.25	6.19921	6.66962	4.87955	4.64938	2.88314	2.83051	6.69172	6.66962	63.6095209	3.001633549	0.0001238	0.240844	1.329561	0.39159	11.55332	11.0511538	69.07544
3743	482863.09	3851877.25	6.60082	3.74286	1.77574	2.76208	12.05019	1.73722	3.74822	3.74286	67.7304039	1.684457907	4.505E-05	0.14308	5.556949	0.24034	6.47134	6.2016909	75.62492
3744	483363.09	3851877.25	6.06739	3.4459	1.86638	2.49783	12.75598	1.64408	3.45198	3.4459	62.256928	1.550812347	4.735E-05	0.129391	5.882425	0.22745	5.959878	5.70964628	70.29729
3745	483863.09	3851877.25	4.48509	2.69024	1.47754	2.07543	2.22092	1.58883	2.70304	2.69024	46.021094	1.210730842	3.748E-05	0.10751	1.024178	0.21981	4.666826	4.45756371	48.79262
3746	484363.09	3851877.25	3.07215	2.512	2.08694	1.76564	10.85194	2.02156	2.52153	2.512	31.5230472	1.130514703	5.294E-05	0.091463	5.004376	0.27967	4.353447	4.1622309	38.22034
3747	484863.09	3851877.25	3.00735	2.277	1.53106	1.06671	11.15282	1.95688	2.28918	2.277	30.8581404	1.024753973	3.884E-05	0.055257	5.143127	0.27072	3.952292	3.77285022	37.53148
3748	485363.09	3851877.25	3.04444	2.253	1.5331	1.491	6.5257	1.7744	2.2663	2.253	31.2387175	1.013952877	3.889E-05	0.077236	3.009329	0.24548	3.91279	3.73308368	35.76446
3749	485863.09	3851877.25	3.35563	2.03568	1.66677	1.81515	11.00891	1.32875	2.05061	2.03568	34.4318093	0.916148953	4.228E-05	0.094027	5.076763	0.18383	3.540399	3.37299769	40.87002
3750	486363.09	3851877.25	2.96468	1.60834	1.34743	1.7342	7.05163	0.70259	1.62122	1.60834	30.4203075	0.72382644	3.418E-05	0.089834	3.251862	0.0972	2.799053	2.66492135	34.7172
3751	486863.09	3851877.25	2.42899	1.34932	1.26987	1.49043	7.57223	0.69695	1.35753	1.34932	24.9236419	0.607255613	3.221E-05	0.077206	3.491937	0.09642	2.343789	2.235741	29.30454
3752	487363.09	3851877.25	1.77733	1.34829	1.33606	1.06695	3.68937	0.66965	1.35701	1.34829	18.2370189	0.606792066	3.389E-05	0.055269	1.701354	0.09264	2.342892	2.23403435	20.80197
3753	487863.09	3851877.25	1.19324	1.32957	1.41979	0.74923	6.30663	0.69278	1.34025	1.32957	12.2437254	0.598367211	3.602E-05	0.038811	2.908305	0.09584	2.313955	2.20301645	15.99603
3754	488363.09	3851877.25	1.31926	1.30594	1.41555	0.64141	8.04628	0.65684	1.3169	1.30594	13.5368049	0.587732632	3.591E-05	0.033226	3.710545	0.09087	2.273641	2.16386298	18.06899
3755	488863.09	3851877.25	1.20554	1.26467	1.14682	0.90148	3.51629	0.51616	1.27478	1.26467	12.3699345	0.569159247	2.909E-05	0.046698	1.621538	0.07141	2.200921	2.09548111	14.78421
3756	489363.09	3851877.25	1.12696	1.18749	1.22973	1.03561	5.36188	0.50384	1.19616	1.18749	11.5636324	0.534424723	3.12E-05	0.053646	2.472633	0.0697	2.065182	1.96759855	14.79165
3757	489863.09	3851877.25	1.17995	1.0234	1.19972	0.8165	3.47534	0.476	1.03089	1.0234	12.1073579	0.460576731	3.043E-05	0.042296	1.602654	0.06585	1.779842	1.69571142	14.3629
3758	490363.09	3851877.25	1.20786	0.92222	0.97344	0.74687	3.57421	0.4701	0.93114	0.92222	12.3937398	0.415041111	2.469E-05	0.038689	1.648248	0.06504	1.607623	1.52806233	14.64034
3759	490863.09	3851877.25	1.17269	0.87713	0.88976	0.93146	4.80619	0.4696	0.8837	0.87713	12.0328637	0.394748552	2.257E-05	0.048251	2.216376	0.06497	1.525717	1.45335095	14.82959
3760	491363.09	3851877.25	1.06532	0.84411	0.94311	0.77717	5.44228	0.45978	0.8505	0.84411	10.9311501	0.379888044	2.392E-05	0.040258	2.509709	0.06361	1.468397	1.39863882	13.9944
3761	491863.09	3851877.25	1.05269	0.77993	0.74875	0.81295	5.46505	0.4496	0.78551	0.77993	10.8015548	0.351004113	1.899E-05	0.042112	2.52021	0.0622	1.356191	1.29229647	13.84099
3762	492363.09	3851877.25	1.09184	0.72532	0.71845	0.66135	3.87184	0.44602	0.73113	0.72532	11.2032693	0.32642712	1.823E-05	0.034259	1.7855	0.0617	1.262303	1.20181103	13.47167
3763	492863.09	3851877.25	1.09891	0.424	0.76133	0.56608	2.94185	0.44531	0.4275	0.424	11.2758139	0.190819361	1.931E-05	0.029324	1.356635	0.06161	0.738083	0.70254216	12.94976
3764	493363.09	3851877.25	1.09993	0.5237	1.0095	0.75034	3.42771	0.44539	0.52979	0.5237	11.2862801	0.235688913	2.561E-05	0.038869	1.58069	0.06162	0.914688	0.86773898	13.25012
3765	493863.09	3851877.25	1.1672	0.73072	1.02566	0.92826	2.79406	0.52325	0.73665	0.73072	11.9765313	0.328857366	2.602E-05	0.048085	1.288482	0.07239	1.271834	1.2107585	13.77545
3766	494363.09	3851877.25	1.14504	0.67651	0.8061	0.98584	3.18533	0.44325	0.68158	0.67651	11.7491496	0.304460391	2.045E-05	0.051068	1.468916	0.06132	1.176755	1.12093584	13.69075
3767	494863.09	3851877.25	1.16148	0.68116	0.65836	1.18729	3.80507	0.49154	0.68684	0.68116	11.9178389	0.306553103	1.67E-05	0.061503	1.754709	0.068	1.185836	1.1286406	14.16582
3768	495363.09	3851877.25	1.24596	0.65827	0.79	1.10052	3.09307	0.56964	0.66377	0.65827	12.7846804	0.296251558	2.004E-05	0.057008	1.42637	0.07881	1.146006	1.09071327	14.69843
3769	495863.09	3851877.25	1.32449	0.62915	0.77542	1.32155	2.69454	0.56238	0.63461	0.62915	13.5904695	0.283146228	1.967E-05	0.068458	1.242588	0.0778	1.095661	1.0424632	15.31568
3770	496363.09	3851877.25	1.39456	0.5925	0.64311	0.7652	2.89292	0.53436	0.59746	0.5925	14.3094513	0.266652055	1.631E-05	0.039638	1.334071	0.07393	1.031521	0.98173639	16.07354
3771	496863.09	3851877.25	1.45779	0.55572	0.64215	1.01061	2.33458	0.45216	0.56036	0.55572	14.9582485	0.250099375	1.629E-05	0.052351	1.076592	0.06255	0.967467	0.92079417	16.44653
3772	497363.09	3851877.25	1.51407	0.51802	0.64378	0.99762	2.52847	0.44089	0.52202	0.51802	15.5357323	0.233132654	1.633E-05	0.051678	1.166005	0.06099	0.901273	0.85832757	17.0905

3773	497863.09	3851877.25	0.94755	0.42312	0.64583	0.64244	3.47081	0.4622	0.42635	0.42312	9.72272297	0.190423321	1.638E-05	0.033279	1.600565	0.06394	0.736098	0.70108405	11.64596
3774	498363.09	3851877.25	0.80438	0.37329	0.64501	0.89745	5.10357	0.518	0.37879	0.37329	8.25366884	0.167997545	1.636E-05	0.046489	2.353513	0.07166	0.653985	0.61851878	10.92881
3775	471363.09	3852377.25	3.82878	0.76948	1.78822	1.61517	5.85916	1.38079	0.7749	0.76948	39.2867577	0.346301136	4.536E-05	0.083668	2.701954	0.19103	1.337873	1.27498146	42.67264
3776	471863.09	3852377.25	3.63825	0.83223	1.81172	1.72369	5.34824	1.38287	0.8395	0.83223	37.331747	0.374541501	4.596E-05	0.08929	2.466343	0.19131	1.449405	1.37895439	40.52373
3777	472363.09	3852377.25	3.41788	0.82519	1.79653	1.76583	4.50515	1.43637	0.83261	0.82519	35.0705508	0.37137318	4.557E-05	0.091472	2.077552	0.19871	1.43751	1.36728954	37.87993
3778	472863.09	3852377.25	3.1762	0.83057	1.74253	2.1184	3.47338	1.61958	0.82578	0.83057	32.5906946	0.373794426	4.42E-05	0.109736	1.60175	0.22406	1.425718	1.37620387	34.94959
3779	473363.09	3852377.25	2.90432	0.93748	1.97143	2.51039	4.11738	1.7581	1.02851	0.93748	29.8009591	0.421908807	5.001E-05	0.130042	1.898731	0.24322	1.775733	1.55334722	32.7173
3780	473863.09	3852377.25	2.6062	0.88423	1.83244	2.7103	4.32267	1.81296	1.16689	0.88423	26.7419773	0.397943876	4.649E-05	0.140397	1.993401	0.25081	2.014647	1.46511522	30.07411
3781	474363.09	3852377.25	2.2962	0.89671	1.60848	2.85574	4.05152	1.83177	1.29857	0.89671	23.561096	0.403560446	4.08E-05	0.147931	1.86836	0.25342	2.241994	1.48579382	26.99061
3782	474863.09	3852377.25	2.31512	0.88577	1.5245	3.0377	5.45142	1.91835	1.58266	0.88577	23.7552323	0.398636946	3.867E-05	0.157357	2.513924	0.26539	2.732479	1.4676669	28.3554
3783	475363.09	3852377.25	2.34982	0.80696	1.67832	2.85862	5.65495	1.91555	1.58678	0.80696	24.1112858	0.363168847	4.258E-05	0.148081	2.607782	0.26501	2.739592	1.33708354	28.89788
3784	475863.09	3852377.25	2.30784	0.93532	1.87543	2.48572	5.77721	1.76118	1.47701	0.93532	23.6805329	0.420936709	4.758E-05	0.128764	2.664162	0.24365	2.550073	1.54976823	28.1384
3785	476363.09	3852377.25	2.52827	0.95332	1.98178	1.92767	6.85105	1.47562	1.20488	0.95332	25.9423448	0.429037531	5.027E-05	0.099856	3.159364	0.20414	2.080238	1.57959314	30.33544
3786	476863.09	3852377.25	3.05463	1.56174	2.33523	1.35118	5.78862	1.24208	1.3898	1.56174	31.3432761	0.702854312	5.924E-05	0.069993	2.669424	0.17184	2.399504	2.58770799	34.76924
3787	477363.09	3852377.25	3.49755	1.81795	2.73271	1.54043	4.29486	1.37397	1.66198	1.81795	35.8880373	0.818160511	6.932E-05	0.079796	1.980576	0.19008	2.869425	3.01223235	38.81391
3788	477863.09	3852377.25	4.51926	2.2127	2.65142	1.72116	2.22442	1.16264	2.23434	2.2127	46.3717092	0.995816037	6.726E-05	0.089158	1.025792	0.16085	3.857611	3.66630904	48.83469
3789	478363.09	3852377.25	5.02145	1.16216	2.801	1.8937	3.96391	1.14909	1.17223	1.16216	51.5246343	0.523025067	7.106E-05	0.098096	1.827959	0.15897	2.023867	1.92562829	54.23099
3790	478863.09	3852377.25	5.68914	2.37131	4.12583	2.51183	8.37156	1.49909	1.82915	2.37131	58.3757397	1.067197779	0.0001047	0.130116	3.860548	0.20739	3.158046	3.92911614	62.87003
3791	479363.09	3852377.25	5.64672	2.20154	5.48258	3.11262	7.65174	2.41673	2.25785	2.20154	57.940472	0.990793527	0.0001391	0.161238	3.528603	0.33434	3.898201	3.6478176	63.20597
3792	479863.09	3852377.25	5.02652	1.71315	4.97624	4.44322	10.42499	3.32811	2.83046	1.71315	51.5766571	0.770995726	0.0001262	0.230165	4.807488	0.46043	4.886818	2.83858514	59.89409
3793	480363.09	3852377.25	3.6982	3.05466	9.42283	6.02001	10.87948	4.2599	4.18251	3.05466	37.9468884	1.374736482	0.000239	0.311845	5.017076	0.58934	7.221146	5.06138544	47.39988
3794	480863.09	3852377.25	4.86113	2.7193	3.89121	5.76961	8.47991	5.68609	3.8237	2.7193	49.8796056	1.223809169	9.871E-05	0.298874	3.910514	0.78664	6.601657	4.50571436	58.19549
3795	481363.09	3852377.25	6.88028	4.27244	1.76713	6.42823	4.51477	4.49238	4.65097	4.27244	70.5979172	1.922793089	4.483E-05	0.332991	2.081988	0.6215	8.029947	7.07917268	76.50801
3796	481863.09	3852377.25	8.18288	11.12983	9.7093	4.55346	8.00616	4.49135	11.3097	11.12983	83.9637754	5.008931711	0.0002463	0.235876	3.692044	0.62136	19.52635	18.44145	94.60713
3797	482363.09	3852377.25	6.38648	11.58341	6.99962	3.69225	6.60165	3.71749	11.6899	11.58341	65.531081	5.213063423	0.0001776	0.191264	3.044353	0.5143	20.18275	19.1930044	75.48398
3798	482863.09	3852377.25	6.49481	6.16383	9.39599	4.7245	4.78889	3.59399	6.24651	6.16383	66.6426451	2.774004953	0.0002384	0.244736	2.208398	0.49721	10.78466	10.2130906	72.93881
3799	483363.09	3852377.25	7.15381	5.9004	2.83356	3.71484	16.76825	2.67588	5.94213	5.9004	73.4045832	2.655449425	7.188E-05	0.192434	7.732685	0.37019	10.25915	9.77660318	84.83796
3800	483863.09	3852377.25	5.78604	4.10763	2.10273	2.35016	11.97	1.55967	4.11393	4.10763	59.3700217	1.848621063	5.334E-05	0.121742	5.51997	0.21577	7.102742	6.80609255	67.37283
3801	484363.09	3852377.25	4.10538	3.33745	2.43606	2.69353	2.9531	1.96213	3.35715	3.33745	42.1249247	1.502004895	6.18E-05	0.139529	1.361823	0.27145	5.796154	5.52995124	45.666
3802	484863.09	3852377.25	3.69787	2.9788	2.68047	1.91022	20.74066	2.1062	2.98963	2.9788	37.9435023	1.340596018	6.8E-05	0.098952	9.564563	0.29138	5.161627	4.93569005	49.465
3803	485363.09	3852377.25	3.91541	2.42062	1.92071	1.60394	16.80206	1.9631	2.44126	2.42062	40.1756601	1.089389531	4.872E-05	0.083086	7.748276	0.27159	4.21486	4.01081981	49.57209
3804	485863.09	3852377.25	4.06178	2.20213	2.4382	1.75298	10.40311	1.56981	2.21305	2.20213	41.6775492	0.991059054	6.185E-05	0.090807	4.797398	0.21718	3.820853	3.64879519	47.94611
3805	486363.09	3852377.25	3.25639	1.93014	1.95905	1.83284	9.68076	0.91331	1.9388	1.93014	33.4135168	0.868651134	4.97E-05	0.094944	4.464286	0.12635	3.347358	3.19812434	39.11703
3806	486863.09	3852377.25	2.638	1.71082	1.70964	1.65711	7.08194	0.71933	1.72058	1.71082	27.0682742	0.76994712	4.337E-05	0.085841	3.265839	0.09952	2.970599	2.83472447	31.42533
3807	487363.09	3852377.25	1.75006	1.49348	2.14134	1.17408	3.18321	0.68058	1.50138	1.49348	17.9572039	0.672134195	5.432E-05	0.060819	1.467938	0.09415	2.592148	2.47460533	20.36985
3808	487863.09	3852377.25	1.16811	1.2455	1.38908	0.73125	6.72221	0.71085	1.26003	1.2455	11.9858687	0.560531872	3.524E-05	0.03788	3.09995	0.09834	2.175455	2.06371759	15.89434
3809	488363.09	3852377.25	1.32575	1.20167	1.58186	0.61165	7.70994	0.5938	1.21278	1.20167	13.6033982	0.540806371	4.013E-05	0.031684	3.555442	0.08215	2.093877	1.99109395	17.9163
3810	488863.09	3852377.25	1.18037	0.96792	1.24365	0.9223	4.00032	0.52046	0.97596	0.96792	12.1116675	0.435608197	3.155E-05	0.047776	1.844749	0.072	1.685005	1.60378445	14.59306
3811	489363.09	3852377.25	1.19359	0.79008	0.9085	1.07096	5.44383	0.47567	0.79406	0.79008	12.2473167	0.355572077	2.305E-05	0.055477	2.510424	0.06581	1.370953	1.30911441	15.29646
3812	489863.09	3852377.25	0.92274	0.63999	0.82304	0.82192	2.72347	0.47557	0.64395	0.63999	9.46814986	0.288024723	2.088E-05	0.042577	1.255929	0.06579	1.111786	1.06042442	11.17186
3813	490363.09	3852377.25	0.97295	0.73611	0.85068	0.75031	4.75761	0.46287	0.74039	0.73611	9.98335003	0.331283112	2.158E-05	0.038867	2.193974	0.06404	1.278291	1.2196894	12.67013
3814	490863.09	3852377.25	1.02073	0.77765	0.80235	0.94837	5.27662	0.45289	0.78229	0.77765	10.4736162	0.349978009	2.035E-05	0.049127	2.433315	0.06266	1.350632	1.28851865	13.43082
3815	491363.09	3852377.25	1.11107	1.12411	0.81875	0.9017	5.96524	0.58222	1.13168	1.12411	11.4005866	0.505900829	2.077E-05	0.046709	2.750873	0.08055	1.953857	1.86258176	14.87591
3816	491863.09	3852377.25	1.15356	1.09951	1.01317	0.85905	4.52374	0.49961	1.1056	1.09951	11.8365725	0.494829706	2.57E-05	0.0445	2.086124	0.06912	1.90883	1.82182106	14.61818
3817	492363.09	3852377.25	1.18394	1.05753	1.10164	0.77341	3.26275	0.4781	1.06431	1.05753	12.1482989	0.475936789	2.795E-05	0.040064	1.504618	0.06614	1.837542	1.75226275	14.32037
3818	492863.09	3852377.25	1.18416	1.04098	1.06699	0.90297	3.59901	0.51596	1.04754	1.04098	12.1505563	0.468488533	2.707E-05	0.046775	1.659685	0.07138	1.808588	1.72484041	14.48066
3819	493363.09	3852377.25	1.24123	1.01373	0.93859	1.05826	2.84857	0.55149	1.02263	1.01373	12.7361463	0.456224789	2.381E-05	0.054819	1.313619	0.0763	1.765581	1.67968882	14.72302
3820	493863.09	3852377.25	1.32239	0.96275	0.93914	1.17016	3.6294	0.54283	0.97102	0.96275	13.5689216	0.433281461	2.382E-05	0.060616	1.673699	0.0751	1.676476	1.59521807	15.8929
3821	494363.09	3852377.25	1.39599	0.9083	0.93243	1.33529	3.80411	0.50245	0.91573	0.9083	14.3241244	0.408776475	2.365E-05	0.06917	1.754267	0.06951	1.581017	1.50499774	16.70189
3822	494863.09	3852377.25	1.46634	0.87105	0.90822	1.35151	2.69073	0.53637	0.87887	0.87105	15.0459792	0.392012274	2.304E-05	0.07001	1.240831	0.0742	1.517378	1.44327676	16.89716
3823	495363.09	3852377.25	1.53004	0.8309	1.06435	1.54153	3.35648	0.64184	0.839	0.8309	15.699599	0.373942941	2.7E-05	0.079853	1.547842	0.0888	1.448542	1.37675066	17.86185
3824	495863.09	3852377.25	1.58124	0.78936	0.79919	0.97791	2.93548	0.51415	0.79654	0.78936	16.2249575	0.355248044	2.027E-05	0.050657	1.353698	0.07113	1.375234	1.30792141	18.12302
3825	496363.09	3852377.25	1.62539	0.7466	0.71293	1.05967	2.71334	0.44536	0.75271	0.7466	16.6779766	0.336004091	1.809E-05	0.054892	1.251258	0.06161	1.299561	1.2370707	18.44425
3826	496863.09	3852377.25	1.6637	0.69372	0.66748	1.0992	3.71988	0.46803	0.69937	0.69372	17.0710719	0.312205677	1.693E-05	0.05694	1.715424	0.06475	1.207469	1.14945176	19.27843
3827	497363.09	3852377.25	1.69127	0.62644	0.66283	0.76949	5.47586	0.52923	0.63112	0.62644	17.3539652	0.281926605	1.681E-05	0.039861	2.525195	0.07322	1.089635	1.0379729	20.32584
3828	497863.09	3852377.25	0.85765	0.40122	0.64796	1.03819	6.73976	0.63076	0.40361	0.40122	8.80026738	0.180567321	1.644E-05	0.05378	3.108043	0.08726	0.696837	0.66479709	12.26198
3829	498363.09	3852377.25	0.86606	0.3452	0.62245	1.06016	6.72114	0.74829	0.36282	0.3452	8.88656161	0.155355763	1.579E-05	0.054918	3.099456	0.10352	0.626412	0.57197536	12.35427
3830	471363.09	3852877.25	4.59924	0.7717	1.65875	1.50097	7.10582	1.51364	0.77722	0.7717	47.1923766	0.347300237	4.208E-05	0.077752	3.276851	0.2094	1.341878	1.27865987	51.16695
3831	471863.09	3852877.25	4.47856	0.82566	1.7655	1.63521	6.67284	1.47784	0.83679	0.82566	45.9540902	0.371584701	4.479E-05	0.084706	3.077183	0.20445	1.444726	1.3680683	49.76872

3832	472363.09	3852877.25	4.33429	0.83531	1.80841	1.72809	6.31077	1.46116	0.82143	0.83531	44.4737491	0.375927642	4.588E-05	0.089517	2.910214	0.20214	1.418207	1.38405776	48.08575
3833	472863.09	3852877.25	4.15935	0.8128	1.83376	1.76137	6.39692	1.46729	0.81366	0.8128	42.6787059	0.365797114	4.652E-05	0.091241	2.949942	0.20299	1.404792	1.34676006	46.34676
3834	473363.09	3852877.25	3.96403	0.83142	2.00769	2.00376	5.99902	1.59912	0.84212	0.83142	40.6745455	0.374176964	5.093E-05	0.103798	2.76645	0.22123	1.453929	1.37761227	44.21657
3835	473863.09	3852877.25	3.75878	0.88774	2.60358	2.67326	5.15789	1.84627	0.94117	0.88774	38.5684942	0.399523536	6.605E-05	0.138479	2.378563	0.25542	1.62494	1.47093107	41.89456
3836	474363.09	3852877.25	3.54995	1.11138	2.61992	2.75708	4.0241	1.88418	1.11336	1.11138	36.4257088	0.500171748	6.646E-05	0.142821	1.855715	0.26067	1.922227	1.84148892	39.26589
3837	474863.09	3852877.25	3.22805	0.99003	2.54893	2.79202	4.73604	1.86782	1.05296	0.99003	33.1227227	0.445558707	6.466E-05	0.144631	2.184027	0.2584	1.817946	1.64041937	36.33293
3838	475363.09	3852877.25	2.98789	0.96049	2.41557	2.92271	5.10461	1.98458	1.27474	0.96049	30.6584631	0.432264358	6.128E-05	0.1514	2.353993	0.27456	2.200852	1.59147339	34.48012
3839	475863.09	3852877.25	2.68845	0.85708	2.15857	3.05779	4.96483	2.01053	1.40303	0.85708	27.585937	0.385725136	5.476E-05	0.158398	2.289533	0.27815	2.422346	1.42012932	31.70001
3840	476363.09	3852877.25	2.51366	1.27494	1.77204	3.14456	5.97154	1.98017	1.48898	1.27494	25.7924329	0.573781216	4.495E-05	0.162893	2.753778	0.27395	2.570739	2.11249787	30.01512
3841	476863.09	3852877.25	2.3493	1.64473	1.17002	2.78326	4.83474	1.75558	1.66542	1.64473	24.1059502	0.740203602	2.968E-05	0.144177	2.229542	0.24288	2.875365	2.72521737	27.61293
3842	477363.09	3852877.25	2.40832	1.75452	1.21973	2.12021	5.6204	1.36532	1.77828	1.75452	24.7115489	0.789614115	3.094E-05	0.10983	2.591849	0.18889	3.070218	2.9071327	28.55484
3843	477863.09	3852877.25	2.53829	1.17438	1.08492	1.63805	4.323	1.14538	1.18612	1.17438	26.0451591	0.528524625	2.752E-05	0.084853	1.993553	0.15846	2.047848	1.94587608	28.91255
3844	478363.09	3852877.25	1.66002	0.95316	1.41833	1.31688	2.91879	1.03402	0.67278	0.95316	17.0333118	0.428965523	3.598E-05	0.068216	1.346001	0.14305	1.161561	1.57932803	18.60182
3845	478863.09	3852877.25	2.73445	1.03871	1.98356	1.20926	1.74878	0.83249	0.93189	1.03871	28.0579387	0.46746693	5.032E-05	0.062641	0.806451	0.11517	1.608918	1.72107916	29.39756
3846	479363.09	3852877.25	4.89022	1.39486	2.62595	1.85377	3.95718	1.08075	1.40567	1.39486	50.1780954	0.627750692	6.661E-05	0.096028	1.824855	0.14952	2.426904	2.311198	52.99202
3847	479863.09	3852877.25	6.30738	2.82068	6.41979	2.88751	10.0005	2.1119	2.1295	2.82068	64.7194432	1.269434798	0.0001629	0.149577	4.611734	0.29217	3.676603	4.67369484	70.04543
3848	480363.09	3852877.25	5.7484	2.94861	7.78284	4.46514	7.69645	3.61725	2.99308	2.94861	58.9838011	1.32700914	0.0001974	0.2313	3.549221	0.50043	5.167583	4.88566706	64.87387
3849	480863.09	3852877.25	4.92376	3.95092	12.19866	5.08101	11.89947	4.18245	3.70395	3.95092	50.5222463	1.778094407	0.0003095	0.263203	5.487445	0.57862	6.394907	6.54643364	58.47839
3850	481363.09	3852877.25	5.46914	2.9202	4.70333	8.71299	11.55336	6.83011	5.64165	2.9202	56.1183401	1.314223342	0.0001193	0.451345	5.327836	0.94491	9.740366	4.83859342	69.05855
3851	481863.09	3852877.25	7.81206	4.71026	6.20417	6.70402	6.71958	5.15289	5.54089	4.71026	80.1588256	2.11983208	0.0001574	0.347278	3.098737	0.71288	9.566403	7.80461374	88.1995
3852	482363.09	3852877.25	9.52828	15.12166	6.09932	5.95644	8.55174	5.10928	15.3561	15.12166	97.7688004	6.805437487	0.0001547	0.308552	3.943638	0.70684	26.51239	25.055669	110.9902
3853	482863.09	3852877.25	6.20445	9.63378	10.90141	4.24675	8.18419	4.33541	9.77341	9.63378	63.663288	4.335640899	0.0002765	0.219988	3.774142	0.59978	16.87389	15.9625863	73.50442
3854	483363.09	3852877.25	7.37722	7.97842	2.53123	5.23498	6.26037	4.01031	8.07885	7.97842	75.6969726	3.590653311	6.421E-05	0.271179	2.886972	0.55481	13.94822	13.2197557	83.72911
3855	483863.09	3852877.25	7.25297	2.54252	2.70901	3.72499	19.40685	2.45426	2.58575	2.54252	74.4220548	1.144250097	6.872E-05	0.19296	8.949476	0.33953	4.464324	4.21280068	85.29987
3856	484363.09	3852877.25	5.50602	5.22555	3.19129	3.55896	13.03216	2.43781	5.28932	5.22555	56.4967623	2.35173611	8.096E-05	0.184359	6.009785	0.33726	9.132065	8.65841786	65.85363
3857	484863.09	3852877.25	4.32606	4.251	2.48855	3.22357	13.54946	2.14629	4.29055	4.251	44.3893018	1.91314411	6.313E-05	0.166985	6.248338	0.29693	7.407678	7.04364791	53.37879
3858	485363.09	3852877.25	4.26082	2.9128	2.5005	1.55246	15.33814	2.05938	2.92126	2.9128	43.7198802	1.310893005	6.343E-05	0.08042	7.073189	0.28491	5.043585	4.82633207	52.6866
3859	485863.09	3852877.25	3.76746	2.32714	2.22174	1.63587	8.22758	1.60291	2.33937	2.32714	38.6575589	1.047319262	5.636E-05	0.08474	3.794151	0.22175	4.038946	3.85592914	43.9886
3860	486363.09	3852877.25	2.77273	2.01875	2.29042	1.55549	11.926	0.909	2.02531	2.01875	28.4507263	0.90852968	5.81E-05	0.080577	5.499679	0.12576	3.496718	3.34494571	35.2171
3861	486863.09	3852877.25	2.45173	1.63202	2.00235	1.66203	5.72276	0.72176	1.64004	1.63202	25.1569749	0.734483521	5.08E-05	0.086095	2.639053	0.09985	2.831546	2.70415767	28.8439
3862	487363.09	3852877.25	1.51111	1.07671	2.14454	1.10308	3.26764	0.69114	1.08394	1.07671	15.50536	0.484568665	5.44E-05	0.057141	1.506873	0.09562	1.871433	1.78404285	17.737
3863	487863.09	3852877.25	1.48465	0.96649	1.6285	0.68525	7.10786	0.6611	0.97003	0.96649	15.2338564	0.434964632	4.131E-05	0.035497	3.277792	0.09146	1.674767	1.60141502	19.14696
3864	488363.09	3852877.25	1.31633	0.70374	0.95618	0.58282	3.62222	0.56913	0.70832	0.70374	13.5067405	0.316715134	2.426E-05	0.030191	1.670388	0.07874	1.222922	1.16605429	15.65966
3865	488863.09	3852877.25	1.20621	0.65517	0.96454	0.94362	5.01439	0.52273	0.65954	0.65517	12.3768093	0.294856416	2.447E-05	0.048881	2.312388	0.07232	1.138702	1.08557676	15.1584
3866	489363.09	3852877.25	1.20219	0.59712	0.88938	1.1098	4.95905	0.46599	0.60138	0.59712	12.3355605	0.268731266	2.256E-05	0.057489	2.286868	0.06447	1.038289	0.98939145	15.06204
3867	489863.09	3852877.25	1.00727	0.60024	0.91382	0.82748	4.07816	0.45617	0.60575	0.60024	10.3355044	0.270135408	2.318E-05	0.042865	1.880645	0.06311	1.045834	0.9945611	12.64355
3868	490363.09	3852877.25	1.11346	0.98747	1.14352	0.74778	5.18007	0.69522	0.99667	0.98747	11.4251101	0.44440659	2.901E-05	0.038736	2.388791	0.09618	1.720761	1.6361776	14.47784
3869	490863.09	3852877.25	1.16331	1.1006	1.25582	1.11883	6.36208	0.70377	1.10656	1.1006	11.9366164	0.495320256	3.186E-05	0.057957	2.933875	0.09736	1.910487	1.82362712	15.60802
3870	491363.09	3852877.25	1.22967	1.18599	1.30207	1.23957	5.26537	0.79645	1.19792	1.18599	12.6175302	0.533749655	3.303E-05	0.064211	2.428127	0.11018	2.068221	1.96511315	15.85694
3871	491863.09	3852877.25	1.31917	1.19173	1.17782	1.04109	3.43773	0.75148	1.20208	1.19173	13.5358814	0.536332917	2.988E-05	0.05393	1.58531	0.10396	2.075403	1.97462398	15.91623
3872	492363.09	3852877.25	2.31379	1.19943	1.08864	0.91491	3.77907	0.68533	1.20972	1.19943	23.7415853	0.539798268	2.762E-05	0.047394	1.742719	0.09481	2.088594	1.98738241	26.26755
3873	492863.09	3852877.25	2.27112	1.1969	1.02097	1.08193	5.55983	0.65349	1.2069	1.1969	23.3037524	0.538659653	2.59E-05	0.056045	2.563918	0.09041	2.083725	1.98319035	26.65334
3874	493363.09	3852877.25	2.12921	1.1766	0.94085	1.15221	7.94629	0.58161	1.18638	1.1766	21.847627	0.529523726	2.387E-05	0.059686	3.664434	0.08046	2.048297	1.94955449	26.2805
3875	493863.09	3852877.25	1.92384	1.14524	1.05781	1.46105	7.29753	0.61895	1.15486	1.14524	19.7403444	0.515410294	2.683E-05	0.075684	3.365259	0.08563	1.993877	1.89759288	23.87864
3876	494363.09	3852877.25	1.73349	1.10953	1.12417	1.4524	4.38614	0.5665	1.11904	1.10953	17.7871807	0.499339163	2.852E-05	0.075236	2.02267	0.07837	1.932034	1.83842359	20.55644
3877	494863.09	3852877.25	1.68693	1.07072	1.13666	1.51175	3.60586	0.5795	1.08004	1.07072	17.3094328	0.481872891	2.883E-05	0.078311	1.662844	0.08017	1.8647	1.77411778	19.70324
3878	495363.09	3852877.25	1.71882	1.02383	1.09123	1.24726	3.29918	0.67312	1.03252	1.02383	17.6366532	0.46077025	2.768E-05	0.06461	1.521418	0.09312	1.782656	1.69642391	19.86283
3879	495863.09	3852877.25	1.7436	0.97452	0.74616	1.10202	4.19331	0.47329	0.98146	0.97452	17.8909184	0.438578499	1.893E-05	0.057086	1.933746	0.06548	1.694501	1.61472024	20.46561
3880	496363.09	3852877.25	1.76332	0.92436	0.73993	1.15175	5.8858	0.54147	0.9309	0.92436	18.0932635	0.416004208	1.877E-05	0.059662	2.714239	0.07491	1.607208	1.53160818	21.4337
3881	496863.09	3852877.25	1.772	0.85841	0.72439	0.87011	7.06489	0.65351	0.86445	0.85841	18.1823282	0.386323697	1.838E-05	0.045073	3.257977	0.09041	1.492482	1.42233305	22.03228
3882	497363.09	3852877.25	1.34274	0.67589	0.59664	1.1676	6.83129	0.77605	0.68059	0.67589	13.777731	0.304181363	1.514E-05	0.060483	3.150252	0.10736	1.175046	1.11990854	17.45516
3883	497863.09	3852877.25	0.87884	0.40984	0.77508	0.97137	5.43671	0.88919	0.41264	0.40984	9.01769601	0.184446714	1.966E-05	0.050318	2.507141	0.12302	0.712427	0.6790799	11.91598
3884	498363.09	3852877.25	0.87043	0.39089	0.87362	0.53055	3.5382	0.98877	0.39361	0.39089	8.93140178	0.175918349	2.216E-05	0.027483	1.631642	0.13679	0.679572	0.64768091	10.93515
3885	471363.09	3853377.25	4.95724	0.77508	1.42821	1.53894	7.24421	1.61179	0.78154	0.77508	50.8657815	0.348821392	3.623E-05	0.079719	3.34067	0.22298	1.349337	1.28426032	54.92309
3886	471863.09	3853377.25	4.96895	0.82246	1.4771	1.52537	7.6933	1.60488	0.83695	0.82246	50.9859367	0.370144555	3.747E-05	0.079016	3.547768	0.22203	1.445003	1.36276609	55.28717
3887	472363.09	3853377.25	4.92857	0.80441	1.55765	1.68473	7.94039	1.59387	0.81168	0.80441	50.5716012	0.362021231	3.951E-05	0.087271	3.661714	0.2205	1.401374	1.33285834	54.97167
3888	472863.09	3853377.25	4.85132	0.84341	1.65563	1.77394	7.94039	1.6063	0.80699	0.84341	49.7789461	0.379573012	4.2E-05	0.091893	3.661714	0.22222	1.393276	1.39747897	54.13019
3889	473363.09	3853377.25	4.7319	0.87724	1.7486	1.80195	7.66257	1.65407	0.83743	0.87724	48.5535886	0.394798057	4.436E-05	0.093344	3.533597	0.22883	1.445831	1.45353321	52.7965
3890	473863.09	3853377.25	4.59137	0.87472	1.81395	1.81471	7.10456	1.68068	0.88558	0.87472	47.1116232	0.393663942	4.602E-05	0.094005	3.27627	0.23251	1.528963	1.44935773	51.18773

3891	474363.09	3853377.25	4.42138	0.8798	1.84141	2.10718	6.90825	1.70687	0.89101	0.8798
3892	474863.09	3853377.25	4.18996	0.7984	1.93873	1.80043	6.69351	1.56323	0.80776	0.7984
3893	475363.09	3853377.25	3.95313	0.90318	1.84977	1.80613	5.88594	1.47499	0.78086	0.90318
3894	475863.09	3853377.25	3.70119	0.91542	1.8876	1.82023	4.62658	1.40485	0.76562	0.91542
3895	476363.09	3853377.25	3.4164	1.24788	1.94178	1.83721	4.42486	1.4331	1.26452	1.24788
3896	476863.09	3853377.25	2.29152	1.22582	1.60444	1.85251	4.4388	1.46296	1.2411	1.22582
3897	477363.09	3853377.25	2.08913	1.12565	1.5041	1.7465	4.62354	1.49863	1.14248	1.12565
3898	477863.09	3853377.25	1.90006	1.02073	1.321	1.78816	4.0509	1.47601	1.03525	1.02073
3899	478363.09	3853377.25	1.64674	0.58265	1.14876	1.66049	3.49354	1.43119	0.82202	0.58265
3900	478863.09	3853377.25	1.20245	0.46844	1.06967	1.69871	3.46679	1.40011	0.90595	0.46844
3901	479363.09	3853377.25	2.7382	1.22408	1.90427	1.82105	3.58493	1.26086	0.92064	1.22408
3902	479863.09	3853377.25	5.60395	1.30038	2.87944	2.1254	3.11934	1.51851	1.24344	1.30038
3903	480363.09	3853377.25	6.92419	3.75814	7.80929	2.31562	8.4346	2.27291	1.84812	3.75814
3904	480863.09	3853377.25	7.20808	2.36448	7.39036	3.37565	11.39814	2.63915	2.5164	2.36448
3905	481363.09	3853377.25	6.46531	4.48558	14.16404	4.9313	11.98458	3.83948	3.01699	4.48558
3906	481863.09	3853377.25	6.3869	4.48688	5.72549	7.10225	14.28258	8.09264	6.14759	4.48688
3907	482363.09	3853377.25	9.43991	7.43057	11.64964	10.30754	10.68358	6.90801	6.83587	7.43057
3908	482863.09	3853377.25	7.88291	15.39468	11.54967	7.92896	8.84413	6.09772	15.6097	15.39468
3909	483363.09	3853377.25	7.04087	7.16586	3.01562	5.4875	10.22044	4.76023	7.36043	7.16586
3910	483863.09	3853377.25	8.18599	6.9833	4.26539	5.84507	8.08175	4.28064	7.16158	6.9833
3911	484363.09	3853377.25	6.83686	5.8223	4.12357	4.93349	24.21632	3.61418	5.9226	5.8223
3912	484863.09	3853377.25	5.15003	2.10834	4.5424	3.63095	10.70404	2.14776	2.14641	2.10834
3913	485363.09	3853377.25	4.15844	2.88952	2.34241	1.07444	9.16841	1.96075	2.92413	2.88952
3914	485863.09	3853377.25	2.77847	2.33866	2.8673	1.18092	5.10969	1.2343	2.3495	2.33866
3915	486363.09	3853377.25	2.25964	2.09349	2.77608	1.35848	12.76758	0.88301	2.10108	2.09349
3916	486863.09	3853377.25	2.10652	1.55033	1.84414	1.45263	7.28078	0.7301	1.55726	1.55033
3917	487363.09	3853377.25	1.82238	1.45495	1.96263	1.44301	3.35675	0.75831	1.46221	1.45495
3918	487863.09	3853377.25	1.93741	1.55156	1.56941	1.05963	7.55221	0.76382	1.55729	1.55156
3919	488363.09	3853377.25	2.00652	1.42386	1.93717	0.94264	6.69941	0.71646	1.43089	1.42386
3920	488863.09	3853377.25	2.05414	1.09621	2.04378	0.96805	5.8979	0.74122	1.10332	1.09621
3921	489363.09	3853377.25	2.11112	1.13118	1.31079	1.15321	4.76215	0.78798	1.13584	1.13118
3922	489863.09	3853377.25	2.17046	1.11735	1.43293	0.83391	5.37432	0.69229	1.12215	1.11735
3923	490363.09	3853377.25	2.25716	1.16196	1.49627	0.87149	6.56499	0.77117	1.16813	1.16196
3924	490863.09	3853377.25	2.33338	1.16002	1.29867	1.10968	6.08168	0.81832	1.16566	1.16002
3925	491363.09	3853377.25	2.35724	1.16549	1.29914	1.42148	3.63306	0.8017	1.17224	1.16549
3926	491863.09	3853377.25	2.28693	1.08005	1.36134	1.16355	3.97641	0.73848	1.08732	1.08005
3927	492363.09	3853377.25	2.12872	1.11036	1.33505	1.12832	6.82326	0.67964	1.12228	1.11036
3928	492863.09	3853377.25	1.92947	1.13929	1.30263	1.19322	8.30982	0.6164	1.15007	1.13929
3929	493363.09	3853377.25	1.74394	1.15492	1.39608	1.29023	6.68316	0.63886	1.16554	1.15492
3930	493863.09	3853377.25	1.77553	1.16307	0.93307	1.64182	4.53145	0.76542	1.1733	1.16307
3931	494363.09	3853377.25	1.79673	1.16139	1.14736	1.65573	4.94869	0.57512	1.1718	1.16139
3932	494863.09	3853377.25	1.80837	1.15165	0.98744	1.65242	7.40793	0.56463	1.16167	1.15165
3933	495363.09	3853377.25	1.81341	1.13662	0.91908	1.30633	6.33338	0.70318	1.14654	1.13662
3934	495863.09	3853377.25	1.80559	1.09772	0.93831	1.19404	7.37417	0.67832	1.10583	1.09772
3935	496363.09	3853377.25	1.78503	1.0264	0.83641	1.12219	6.8985	0.8054	1.02759	1.0264
3936	496863.09	3853377.25	1.75247	0.7658	0.87368	1.29763	5.26489	0.91828	0.77109	0.7658
3937	497363.09	3853377.25	0.91169	0.52208	0.95274	0.83312	3.21564	1.0201	0.52535	0.52208
3938	497863.09	3853377.25	0.91825	0.49635	0.79856	0.51986	1.79321	1.06803	0.49944	0.49635
3939	498363.09	3853377.25	0.98758	0.47731	0.5664	0.52883	1.83422	1.02086	0.48033	0.47731
3940	471363.09	3853877.25	4.48122	0.78156	1.52601	1.59996	4.64092	1.84398	0.78402	0.78156
3941	471863.09	3853877.25	4.73243	0.81634	1.46397	1.62957	5.41553	1.76435	0.82363	0.81634
3942	472363.09	3853877.25	4.92385	0.79636	1.40646	1.64192	6.26209	1.70333	0.80362	0.79636
3943	472863.09	3853877.25	5.06073	0.79299	1.37232	1.69049	7.0846	1.67256	0.80124	0.79299
3944	473363.09	3853877.25	5.10338	0.8255	1.37942	1.76078	7.81135	1.66281	0.83672	0.8255
3945	473863.09	3853877.25	5.07702	0.86402	1.43805	1.81318	8.37234	1.66929	0.87372	0.86402
3946	474363.09	3853877.25	5.00859	0.88887	1.54404	1.8612	8.68526	1.702	0.8733	0.88887
3947	474863.09	3853877.25	4.89772	0.90929	1.6746	1.86741	8.67619	1.7261	0.79237	0.90929
3948	475363.09	3853877.25	4.72172	0.8754	1.79133	1.80173	8.29239	1.59539	0.74605	0.8754
3949	475863.09	3853877.25	4.48694	0.80218	1.63283	1.62103	7.5239	1.55901	0.65747	0.80218

45.3673715	0.395950174	4.671E-05	0.109155	3.185742	0.23614	1.538338	1.45777498	49.37497		
42.9927923	0.359316457	4.918E-05	0.093265	3.086715	0.21627	1.394606	1.32290014	46.82011		
40.5627016	0.406472241	4.692E-05	0.09356	2.714303	0.20406	1.348163	1.49651421	43.83279		
37.9775685	0.4119808	4.788E-05	0.09429	2.133549	0.19435	1.321851	1.51679515	40.61685		
35.0553646	0.561602981	4.926E-05	0.09517	2.040526	0.19826	2.183207	2.0676611	38.06652		
23.5130749	0.551674974	4.07E-05	0.095963	2.046954	0.20239	2.142772	2.03110903	26.52176		
21.4363698	0.5065939	3.816E-05	0.090471	2.132147	0.20733	1.972503	1.86513344	24.48032		
19.49634	0.459375109	3.351E-05	0.092629	1.868074	0.2042	1.78737	1.6912874	22.21673		
16.8970469	0.262219105	2.914E-05	0.086016	1.611047	0.198	1.419226	0.96541554	19.50817		
12.3382283	0.21081939	2.714E-05	0.087996	1.598711	0.1937	1.564132	0.77617653	15.21744		
28.0964171	0.550891894	4.831E-05	0.094333	1.653192	0.17443	1.589494	2.02822595	30.13058		
57.501613	0.585230378	7.305E-05	0.110099	1.438485	0.21008	2.146812	2.1546504	59.83774		
71.0484736	1.691334605	0.0001981	0.119952	3.889619	0.31445	3.190798	6.22700893	74.02781		
73.9614427	1.064123967	0.0001875	0.174863	5.256256	0.36511	4.34459	3.91779925	81.24878		
66.3399484	2.018715821	0.0003593	0.255448	5.526693	0.53117	5.208864	7.43233267	72.44887		
65.5353906	2.01930088	0.0001452	0.367906	6.586417	1.11958	10.61388	7.43448669	78.80813		
96.862044	3.344095795	0.0002955	0.533945	4.926737	0.95569	11.8022	12.3120016	106.113		
80.8858109	6.928308953	0.000293	0.410731	4.078474	0.84359	26.95031	25.5080465	94.58947		
72.2457163	3.224964208	7.65E-05	0.28426	4.71316	0.65855	12.70786	11.8733933	81.9612		
83.9956868	3.142803872	0.0001082	0.302783	3.726902	0.59221	12.36454	11.5709025	92.55413		
70.1523886	2.620300858	0.0001046	0.255562	11.16736	0.5	10.22543	9.64719624	85.27396		
52.8439818	0.948849271	0.0001152	0.188088	4.936172	0.29713	3.705799	3.49339088	59.42675		
42.6693685	1.300415942	5.942E-05	0.055657	4.228016	0.27126	5.04854	4.78775853	48.78556		
28.5096239	1.052503788	7.274E-05	0.061173	2.356335	0.17076	4.056436	3.87501708	32.33189		
23.1859572	0.942166093	7.042E-05	0.070371	5.887774	0.12216	3.627536	3.46878533	30.36725		
21.614807	0.697719291	4.678E-05	0.075248	3.357534	0.10101	2.688625	2.56880232	25.96618		
18.6992727	0.654793936	4.979E-05	0.07475	1.547966	0.10491	2.52452	2.41076347	21.1955		
19.8795849	0.698272847	3.981E-05	0.05489	3.482704	0.10567	2.688677	2.57084035	24.339		
20.5887163	0.640802016	4.914E-05	0.04883	3.089435	0.09912	2.470446	2.35924924	24.57815		
21.0773407	0.493344555	5.185E-05	0.050146	2.719819	0.10254	1.904893	1.81635316	24.53179		
21.6620072	0.509082652	3.325E-05	0.059738	2.196067	0.10901	1.961039	1.87429632	24.62268		
22.2708895	0.502858521	3.635E-05	0.043198	2.47837	0.09577	1.937403	1.85138085	25.47715		
23.1605101	0.522935058	3.796E-05	0.045144	3.027447	0.10669	2.016788	1.9252969	26.95425		
23.9425965	0.522061969	3.294E-05	0.057483	2.804569	0.11321	2.012524	1.92208244	27.5304		
24.1874218	0.524523719	3.296E-05	0.073635	1.675387	0.11091	2.023884	1.93114589	26.66465		
23.4659774	0.486071817	3.453E-05	0.060274	1.833723	0.10217	1.877269	1.78957702	26.03594		
21.8425992	0.499712701	3.387E-05	0.058449	3.146549	0.09402	1.937628	1.83979884	25.7392		
19.7981133	0.512732522	3.304E-05	0.06181	3.832076	0.08528	1.985608	1.88773409	24.38792		
17.8944072	0.519766736	3.542E-05	0.066836	3.081942	0.08838	2.012317	1.91363205	21.75005		
18.2185492	0.523434608	2.367E-05	0.085049	2.08968	0.10589	2.025714	1.9271361	21.12121		
18.4360805	0.522678532	2.911E-05	0.085769	2.28209	0.07957	2.023125	1.92435244	21.50498		
18.5555174	0.518295087	2.505E-05	0.085598	3.41617	0.07811	2.005635	1.90821386	22.75114		
18.6072324	0.5115309	2.332E-05	0.06767	2.92064	0.09728	1.979513	1.88331006	22.30058		
18.5269921	0.494024124	2.38E-05	0.061853	3.400601	0.09384	1.909227	1.81885514	22.66771		
18.3160278	0.461926868	2.122E-05	0.058131	3.181246	0.11142	1.774145	1.70068224	22.20224		
17.9819327	0.344644968	2.216E-05	0.067219	2.427906	0.12704	1.331295	1.26888393	21.01118		
9.35476683	0.234959839	2.417E-05	0.043157	1.482894	0.14113	0.907022	0.86505474	11.29889		
9.42207838	0.223380164	2.026E-05	0.026929	0.826939	0.14776	0.862288	0.8224217	10.68697		
10.1334671	0.214811295	1.437E-05	0.027394	0.845851	0.14123	0.829295	0.79087358	11.40119		
45.9813842	0.351737688	3.871E-05	0.08288	2.140162	0.25511	1.353618	1.29499728	48.86993		
48.5590268	0.367390276	3.714E-05	0.084414	2.497374	0.24409	1.422006	1.35262563	51.82171		
50.5231698	0.358398363	3.568E-05	0.085054	2.887765	0.23565	1.387458	1.31951998	54.15801		
51.9276828	0.35688171	3.481E-05	0.08757	3.267066	0.23139	1.383349	1.3139361	55.94004		
52.3653105	0.371512694	3.499E-05	0.091211	3.602207	0.23004	1.444606	1.36780319	56.73712		
52.094833	0.388848453	3.648E-05	0.093925	3.860908	0.23094	1.508486	1.43162848	56.74635		
51.3926791	0.400032088	3.917E-05	0.096413	4.005211	0.23546	1.507761	1.47280341	56.1648		
50.2550523	0.40922202	4.248E-05	0.096734	4.001028	0.2388	1.368035	1.50663811	54.86227		
48.4491325	0.393969973	4.544E-05	0.093332	3.824039	0.22071	1.288063	1.45048445	52.81881		
46.0400766	0.361017629	4.142E-05	0.083972	3.469649	0.21568	1.135129	1.32916337	49.9764		

3950	476363.09	3853877.25	3.12179	0.72709	1.49555	1.33628	7.39378	1.51344	0.73767	0.72709
3951	476863.09	3853877.25	2.09187	0.72994	1.50732	1.35274	3.35747	1.4647	0.65528	0.72994
3952	477363.09	3853877.25	2.81319	0.73281	1.56248	1.3734	2.93662	1.43001	0.631	0.73281
3953	477863.09	3853877.25	2.65191	0.76229	1.65131	1.39383	4.09377	1.41842	0.76408	0.76229
3954	478363.09	3853877.25	2.47522	0.73685	1.78233	1.41281	4.89617	1.45702	0.74288	0.73685
3955	478863.09	3853877.25	1.56747	0.52917	1.80255	1.43278	2.43846	1.57404	0.57074	0.52917
3956	479363.09	3853877.25	2.08835	0.6091	1.86407	1.46814	3.93736	1.62821	0.61871	0.6091
3957	479863.09	3853877.25	3.93009	1.12328	1.9435	2.31642	7.16408	1.82973	1.10854	1.12328
3958	480363.09	3853877.25	6.40545	1.78877	3.29984	3.57665	7.40961	2.18171	1.76211	1.78877
3959	480863.09	3853877.25	7.45274	3.77649	7.44947	3.95299	5.49946	2.53962	2.10429	3.77649
3960	481363.09	3853877.25	7.51823	5.84001	15.37911	3.5975	10.26981	4.27599	3.2664	5.84001
3961	481863.09	3853877.25	6.962	4.90607	17.95768	4.38778	10.55722	4.70054	3.46442	4.90607
3962	482363.09	3853877.25	7.95389	7.98307	6.89117	5.3228	15.2209	9.32782	4.10263	7.98307
3963	482863.09	3853877.25	11.40088	18.93061	14.93768	16.66824	15.96773	14.97094	17.0936	18.93061
3964	483363.09	3853877.25	9.17716	5.00444	9.67653	11.39843	8.91847	10.33018	5.17054	5.00444
3965	483863.09	3853877.25	8.43215	4.84789	10.19921	7.72634	12.682	5.26263	5.60714	4.84789
3966	484363.09	3853877.25	8.71505	4.95726	8.46643	6.4425	10.15647	4.32869	5.17732	4.95726
3967	484863.09	3853877.25	6.68842	5.3361	6.10547	3.12303	21.58402	2.08792	5.41193	5.3361
3968	485363.09	3853877.25	3.27764	2.56865	4.14349	1.07406	2.98485	1.63998	2.57557	2.56865
3969	485863.09	3853877.25	3.30482	1.34226	3.03403	1.16225	6.41116	1.62579	1.35322	1.34226
3970	486363.09	3853877.25	3.09866	1.70449	2.22746	1.3765	11.43227	1.32082	1.72567	1.70449
3971	486863.09	3853877.25	2.63774	2.4527	2.70386	1.56701	11.06516	0.83792	2.46954	2.4527
3972	487363.09	3853877.25	2.31012	2.29583	2.60674	1.70912	4.36432	0.85528	2.3091	2.29583
3973	487863.09	3853877.25	2.57624	2.15692	2.1932	1.35591	8.03239	0.94835	2.16482	2.15692
3974	488363.09	3853877.25	2.75851	1.60189	2.07216	1.25102	5.99565	0.9837	1.61794	1.60189
3975	488863.09	3853877.25	3.05345	1.94519	2.59709	1.40195	7.12293	1.14118	1.9568	1.94519
3976	489363.09	3853877.25	2.65586	1.75373	1.78649	1.2012	4.85788	0.98446	1.76111	1.75373
3977	489863.09	3853877.25	2.57341	1.48956	1.54485	1.2002	6.46021	1.00743	1.49704	1.48956
3978	490363.09	3853877.25	2.41958	1.22734	1.44396	1.1956	6.93051	1.00059	1.23818	1.22734
3979	490863.09	3853877.25	2.54385	1.32726	1.17526	1.36124	5.09519	1.01145	1.33537	1.32726
3980	491363.09	3853877.25	2.13768	1.3582	1.39538	1.48718	4.73658	1.02657	1.36513	1.3582
3981	491863.09	3853877.25	1.98421	1.30601	1.56129	1.29571	7.93411	1.03991	1.31369	1.30601
3982	492363.09	3853877.25	1.96638	1.37361	1.63931	1.47567	8.31033	1.11807	1.3813	1.37361
3983	492863.09	3853877.25	1.97098	1.32894	1.61003	1.49976	6.61132	1.14929	1.33678	1.32894
3984	493363.09	3853877.25	1.91187	1.21335	1.4944	2.1672	6.30979	1.10327	1.22115	1.21335
3985	493863.09	3853877.25	1.86082	1.06777	1.33449	1.67343	7.67424	1.06597	1.07533	1.06777
3986	494363.09	3853877.25	1.84724	1.02909	1.1517	1.94817	8.19176	1.05133	1.0393	1.02909
3987	494863.09	3853877.25	1.88295	1.0554	1.09759	1.98521	7.65023	1.0181	1.06617	1.0554
3988	495363.09	3853877.25	1.91568	1.05349	1.059	1.23847	6.91743	0.83538	1.06384	1.05349
3989	495863.09	3853877.25	1.71848	0.87559	0.95542	1.42078	5.04427	0.94527	0.87343	0.87559
3990	496363.09	3853877.25	1.66434	0.70513	1.03189	1.24873	3.81485	1.05277	0.7106	0.70513
3991	496863.09	3853877.25	1.47823	0.55982	0.95829	0.91885	3.9207	1.09867	0.56401	0.55982
3992	497363.09	3853877.25	1.05534	0.54809	0.95965	0.75708	2.79315	1.03077	0.5517	0.54809
3993	497863.09	3853877.25	1.07978	0.5423	0.95698	0.79477	2.34418	0.90095	0.54578	0.5423
3994	498363.09	3853877.25	1.10383	0.53364	0.95321	1.22595	2.77786	0.79899	0.537	0.53364
3995	471363.09	3854377.25	3.67508	0.92984	1.66748	1.53968	3.59116	2.30553	0.78666	0.92984
3996	471863.09	3854377.25	3.85405	0.90599	1.69003	1.54286	4.76996	2.2446	0.81691	0.90599
3997	472363.09	3854377.25	4.06434	0.87648	1.67782	1.55862	5.6992	2.13979	0.7994	0.87648
3998	472863.09	3854377.25	4.30734	0.84048	1.63016	1.59158	6.25204	2.01026	0.79677	0.84048
3999	473363.09	3854377.25	4.58501	0.8782	1.55174	1.63791	6.576	1.88989	0.8362	0.8782
4000	473863.09	3854377.25	4.85927	0.92743	1.45501	1.78616	6.52961	1.79442	0.87334	0.92743
4001	474363.09	3854377.25	5.07756	0.902	1.36294	1.90256	6.5367	1.84039	0.86747	0.902
4002	474863.09	3854377.25	5.14815	0.78292	1.29716	1.77913	7.53806	1.69651	0.77254	0.78292
4003	475363.09	3854377.25	5.08698	0.81982	1.20122	1.62707	8.44743	1.67649	0.73029	0.81982
4004	475863.09	3854377.25	3.51082	0.6342	1.15181	1.54488	8.80713	1.63263	0.52082	0.6342
4005	476363.09	3854377.25	2.43536	0.62804	1.22963	1.46066	9.36198	1.61588	0.52429	0.62804
4006	476863.09	3854377.25	2.37632	0.62462	1.33096	1.39407	9.067	1.49572	0.52795	0.62462
4007	477363.09	3854377.25	2.3149	0.61987	1.43321	1.35617	7.87459	1.48233	0.54759	0.61987
4008	477863.09	3854377.25	2.24386	0.71609	1.50424	1.34678	6.01725	1.45949	0.59234	0.71609

32.0323987	0.3272237	3.794E-05	0.069221	3.409644	0.20938	1.273595	1.20474381	36.11675
21.4644847	0.328506331	3.824E-05	0.070074	1.548298	0.20263	1.131348	1.20946609	23.53592
28.8658826	0.329797962	3.964E-05	0.071144	1.354223	0.19783	1.089428	1.21422151	30.69413
27.2110034	0.343065308	4.189E-05	0.072202	1.887844	0.19623	1.319192	1.26306807	29.76651
25.3980036	0.331616146	4.521E-05	0.073186	2.257871	0.20157	1.28259	1.22091554	28.32397
16.0836648	0.238150663	4.573E-05	0.07422	1.124497	0.21776	0.985388	0.87680244	17.84692
21.4283663	0.274122813	4.729E-05	0.076052	1.815715	0.22525	1.068209	1.00924158	23.87853
40.3262903	0.505527291	4.93E-05	0.119994	3.303718	0.25313	1.913906	1.8612065	44.56141
65.7257304	0.805028179	8.371E-05	0.185275	3.416944	0.30183	3.042301	2.96388287	70.51331
76.4718763	1.699592942	0.000189	0.20477	2.536078	0.35134	3.633078	6.25741376	78.63951
77.1438632	2.628271167	0.0003901	0.186356	4.735927	0.59156	5.639473	9.67654063	81.2493
71.4364385	2.207955521	0.0004555	0.227293	4.868466	0.6503	5.981356	8.12905897	77.2432
81.6141302	3.592746024	0.0001748	0.275728	7.019124	1.29046	7.083232	13.2274604	87.64813
116.983376	8.519638911	0.0003789	0.863438	7.363524	2.07116	29.51219	31.366867	133.9468
94.1659906	2.252226513	0.0002455	0.590455	4.112756	1.42913	8.92699	8.29205207	103.1857
86.5215118	2.181771865	0.0002587	0.400235	5.848309	0.72806	9.680784	8.03265826	97.32827
89.4243226	2.230993359	0.0002148	0.33373	4.68366	0.59885	8.938695	8.21387768	97.99659
68.6292594	2.401488658	0.0001549	0.161777	9.953479	0.28885	9.343752	8.84159247	81.93717
33.6315611	1.15600979	0.0001051	0.055638	1.376465	0.22688	4.446748	4.25609649	36.63731
33.9104526	0.60407829	7.697E-05	0.060206	2.956509	0.22492	2.336348	2.22404301	37.86855
31.7950639	0.767098331	5.651E-05	0.071305	5.271995	0.18273	2.979387	2.82423604	38.2434
27.0656063	1.103826995	6.859E-05	0.081173	5.102703	0.11592	4.263686	4.06397441	33.66901
23.7039278	1.033228332	6.613E-05	0.088535	2.012608	0.11832	3.986685	3.80405038	27.13932
26.4345605	0.970712489	5.564E-05	0.070238	3.70414	0.1312	3.737584	3.57388498	31.4746
28.3048162	0.720923646	5.257E-05	0.064805	2.764896	0.13609	2.79339	2.6542341	32.13074
31.3311682	0.875424321	6.588E-05	0.072623	3.284742	0.15788	3.378435	3.22306127	35.87727
27.251534	0.789258579	4.532E-05	0.062224	2.240213	0.1362	3.040574	2.90582372	30.61422
26.4055222	0.670370016	3.919E-05	0.062172	2.979128	0.13937	2.584655	2.46811013	30.37315
24.8270868	0.552359043	3.663E-05	0.061934	3.196007	0.13843	2.13773	2.03362758	28.87995
26.1022097	0.597327605	2.981E-05	0.070514	2.349649	0.13993	2.30553	2.19918893	29.366
21.9345369	0.611252018	3.54E-05	0.077038	2.184276	0.14202	2.356911	2.25045462	25.05561
20.3597954	0.587764135	3.961E-05	0.06712	3.658818	0.14387	2.268099	2.16397897	24.92152
20.1768434	0.618187222	4.159E-05	0.076442	3.832312	0.15468	2.384828	2.27598805	24.96735
20.2240436	0.598083682	4.084E-05	0.07769	3.048813	0.159	2.307964	2.20197258	24.21366
19.6175214	0.546062904	3.791E-05	0.112264	2.909762	0.15263	2.108328	2.010447	23.43616
19.093702	0.480545257	3.385E-05	0.086686	3.538979	0.14747	1.856568	1.76922981	23.43476
18.9543589	0.46313749	2.922E-05	0.100918	3.777633	0.14545	1.794362	1.70513941	23.53075
19.3207759	0.474978192	2.784E-05	0.102837	3.527906	0.14085	1.840753	1.74873347	23.65939
19.6566154	0.474118605	2.686E-05	0.064154	3.189975	0.11557	1.836731	1.74556872	23.59162
17.6331645	0.394055481	2.424E-05	0.073598	2.326167	0.13077	1.507986	1.45079926	20.61497
17.0776389	0.317340698	2.618E-05	0.064686	1.759219	0.14565	1.226858	1.16835743	19.42306
15.1679814	0.251944563	2.431E-05	0.047598	1.808032	0.152	0.973769	0.92758762	17.47376
10.8287462	0.246665527	2.434E-05	0.039218	1.288062	0.1426	0.952516	0.90815172	12.58968
11.0795228	0.244059763	2.428E-05	0.04117	1.081019	0.12464	0.942295	0.89855805	12.61418
11.3262976	0.240162367	2.418E-05	0.063506	1.281011	0.11054	0.927136	0.88420896	13.06446
37.7096562	0.418470458	4.23E-05	0.079758	1.656065	0.31896	1.358176	1.54068821	40.00044
39.5460508	0.407736869	4.287E-05	0.079922	2.199669	0.31053	1.410403	1.50117021	42.45318
41.7038171	0.394456022	4.256E-05	0.080739	2.628188	0.29603	1.380172	1.45227394	45.03117
44.1972176	0.378254378	4.135E-05	0.082446	2.88313	0.27811	1.375631	1.39262413	47.80221
47.0463638	0.3952301	3.936E-05	0.084846	3.032525	0.26146	1.443708	1.45512387	50.80905
49.8605204	0.417385848	3.691E-05	0.092526	3.011132	0.24825	1.50783	1.53669498	53.60099
52.1003739	0.405941187	3.457E-05	0.098555	3.014402	0.25461	1.497696	1.49455902	55.87705
52.8246913	0.35234975	3.291E-05	0.092161	3.476179	0.2347	1.333798	1.29725072	57.01667
52.1970316	0.368956435	3.047E-05	0.084284	3.895535	0.23193	1.260853	1.35839177	56.68023
36.0241995	0.285418959	2.922E-05	0.080027	4.061411	0.22587	0.899201	1.05083075	40.52532
24.9890039	0.282646678	3.119E-05	0.075664	4.31728	0.22355	0.905192	1.040624	29.75274
24.3831999	0.281107521	3.376E-05	0.072215	4.18125	0.20693	0.911511	1.03495727	29.00129
23.7529749	0.278969805	3.636E-05	0.070251	3.63137	0.20507	0.94542	1.02708681	27.85701
23.0240401	0.322273198	3.816E-05	0.069765	2.774857	0.20191	1.022681	1.18651749	26.22905

4009	478363.09	3854377.25	2.15317	0.76527	1.518	1.35806	3.95299	1.47316	0.60009	0.76527
4010	478863.09	3854377.25	2.04966	0.82253	1.48406	1.37951	3.27274	1.47232	0.56811	0.82253
4011	479363.09	3854377.25	2.85339	1.13119	1.47636	1.69349	4.64504	1.41545	1.14253	1.13119
4012	479863.09	3854377.25	3.6653	0.83923	1.64046	1.89237	5.46394	1.37865	0.84826	0.83923
4013	480363.09	3854377.25	4.16153	1.12188	3.78542	2.89705	8.24152	1.89725	1.21732	1.12188
4014	480863.09	3854377.25	6.66696	2.43642	5.03846	3.02828	11.27818	2.47159	1.90888	2.43642
4015	481363.09	3854377.25	7.90846	2.45752	7.01457	3.3468	11.25069	3.2034	2.04671	2.45752
4016	481863.09	3854377.25	7.5877	7.0512	16.53555	3.29202	6.95731	4.28055	2.57256	7.0512
4017	482363.09	3854377.25	8.57473	8.47041	25.84819	3.88132	11.45833	8.34349	3.61811	8.47041
4018	482863.09	3854377.25	9.92037	26.05378	10.65389	5.56513	13.52684	10.2352	3.84697	26.05378
4019	483363.09	3854377.25	11.3252	9.39494	15.67152	8.4837	21.05639	5.81818	18.7689	9.39494
4020	483863.09	3854377.25	10.19093	3.03391	11.99413	14.9306	13.68744	8.80504	9.19645	3.03391
4021	484363.09	3854377.25	11.75906	2.53623	11.38799	9.21482	15.61349	4.89123	5.4419	2.53623
4022	484863.09	3854377.25	7.6001	2.55443	5.24583	3.04102	5.6812	1.90941	2.58835	2.55443
4023	485363.09	3854377.25	6.1726	4.18415	4.20126	2.72168	18.86731	2.25125	4.25206	4.18415
4024	485863.09	3854377.25	3.74654	3.84724	3.17906	1.90246	4.87327	1.70277	3.88131	3.84724
4025	486363.09	3854377.25	3.91727	2.65807	2.39717	1.91012	9.65489	1.76204	2.66856	2.65807
4026	486863.09	3854377.25	3.5231	1.24952	2.38253	1.91977	14.3929	1.4471	1.25884	1.24952
4027	487363.09	3854377.25	3.35223	1.60942	3.3599	1.94829	8.83898	1.46126	1.63006	1.60942
4028	487863.09	3854377.25	3.82148	2.89995	3.39328	1.97913	9.24559	1.48968	2.92744	2.89995
4029	488363.09	3854377.25	3.84624	2.71928	2.42002	1.99533	5.14553	1.68261	2.7351	2.71928
4030	488863.09	3854377.25	3.64704	2.46058	2.08459	2.00132	8.23271	1.79008	2.47507	2.46058
4031	489363.09	3854377.25	3.44931	1.7497	1.91217	1.99526	10.31904	1.77204	1.75819	1.7497
4032	489863.09	3854377.25	3.16052	1.87815	2.04863	1.9796	7.71003	1.72349	1.89707	1.87815
4033	490363.09	3854377.25	3.07589	1.88849	1.8879	1.95655	8.20599	1.45381	1.90133	1.88849
4034	490863.09	3854377.25	2.44683	1.5586	1.92415	1.88593	5.78516	1.38157	1.56564	1.5586
4035	491363.09	3854377.25	2.52445	1.38515	1.81513	1.89682	8.67032	1.39216	1.39247	1.38515
4036	491863.09	3854377.25	2.60125	1.31958	1.59768	1.87891	8.219	1.39588	1.33401	1.31958
4037	492363.09	3854377.25	2.6654	1.39336	1.63912	1.85326	9.76082	1.54456	1.40555	1.39336
4038	492863.09	3854377.25	2.71307	1.36032	1.63073	2.02509	10.3539	1.40459	1.3698	1.36032
4039	493363.09	3854377.25	2.74991	1.32851	1.43151	2.33253	14.71407	1.32708	1.33945	1.32851
4040	493863.09	3854377.25	2.78547	1.29299	1.37224	2.07022	15.77424	1.30253	1.30143	1.29299
4041	494363.09	3854377.25	2.82007	1.23358	1.40658	2.72234	6.88791	1.26973	1.24073	1.23358
4042	494863.09	3854377.25	2.82074	0.99228	1.32079	1.352	4.77405	1.03977	0.99779	0.99228
4043	495363.09	3854377.25	1.57908	0.65054	1.30216	1.50173	4.18465	1.08662	0.65448	0.65054
4044	495863.09	3854377.25	1.45743	0.4556	1.28351	1.04408	4.04601	1.12828	0.51413	0.4556
4045	496363.09	3854377.25	1.46383	0.47008	1.2655	0.8308	3.21299	1.03571	0.50656	0.47008
4046	496863.09	3854377.25	1.48343	0.48626	1.24818	0.81355	3.23117	0.88803	0.49925	0.48626
4047	497363.09	3854377.25	1.50247	0.50012	1.22807	1.34574	3.56842	0.78822	0.5042	0.50012
4048	497863.09	3854377.25	1.52095	0.51083	1.21614	1.8226	3.73545	0.76838	0.51482	0.51083
4049	498363.09	3854377.25	1.539	0.51828	1.19891	2.11925	3.73474	0.75768	0.52216	0.51828
4050	471363.09	3854877.25	3.31276	1.02963	1.37948	1.45097	6.40504	2.19858	0.93238	1.02963
4051	471863.09	3854877.25	3.41717	1.00933	1.50541	1.53378	6.63422	2.32383	0.87538	1.00933
4052	472363.09	3854877.25	3.50155	0.99155	1.61476	1.57413	6.49471	2.41067	0.81583	0.99155
4053	472863.09	3854877.25	3.56993	0.97358	1.70138	1.57849	5.79758	2.44051	0.79279	0.97358
4054	473363.09	3854877.25	3.69315	0.95455	1.75876	1.56619	5.46667	2.42347	0.83744	0.95455
4055	473863.09	3854877.25	3.85665	0.95012	1.77985	1.55769	4.83511	2.34335	0.86889	0.95012
4056	474363.09	3854877.25	4.09483	0.99397	1.75765	1.99282	6.07071	2.28944	0.85382	0.99397
4057	474863.09	3854877.25	4.25698	0.85963	1.68826	1.60884	5.26324	2.00978	0.75168	0.85963
4058	475363.09	3854877.25	3.19137	0.81049	1.31804	1.67093	3.26748	1.80422	0.53894	0.81049
4059	475863.09	3854877.25	3.29957	0.75808	1.14238	1.73327	3.10832	1.62788	0.52684	0.75808
4060	476363.09	3854877.25	2.50232	0.71089	1.00504	1.76514	4.56078	1.45344	0.52403	0.71089
4061	476863.09	3854877.25	2.55424	0.6741	0.96494	1.74546	6.28926	1.41063	0.5251	0.6741
4062	477363.09	3854877.25	2.54633	0.65186	0.99073	1.67385	8.08077	1.40278	0.52795	0.65186
4063	477863.09	3854877.25	2.49838	0.64258	1.08045	1.57222	9.57306	1.43155	0.53146	0.64258
4064	478363.09	3854877.25	3.52677	0.64055	1.32138	1.4728	10.31859	1.67008	0.61018	0.64055
4065	478863.09	3854877.25	3.49233	0.98168	1.46435	1.40102	9.94346	1.74611	0.99563	0.98168
4066	479363.09	3854877.25	4.72626	1.20907	1.82234	1.83092	9.97411	1.71022	1.22016	1.20907
4067	479863.09	3854877.25	4.73232	1.40676	3.13632	2.58303	11.93947	2.08778	1.42274	1.40676

22.0934784	0.344406444	3.851E-05	0.070349	1.822923	0.2038	1.036061	1.26800575	24.30306
21.0313718	0.370176058	3.765E-05	0.071461	1.509225	0.20369	0.980848	1.36288208	22.80393
29.2783711	0.509087153	3.745E-05	0.087725	2.142062	0.19582	1.97259	1.87431289	32.31138
37.6093045	0.377691821	4.161E-05	0.098027	2.519698	0.19073	1.464529	1.39055296	40.86947
42.7010747	0.504897227	9.603E-05	0.150071	3.80058	0.26248	2.101715	1.85888678	47.66202
68.4090604	1.096500252	0.0001278	0.156869	5.200937	0.34193	3.295701	4.03699944	74.46413
81.1479771	1.105996216	0.0001779	0.173369	5.18826	0.44317	3.533666	4.07196086	87.52066
77.8566884	3.173361973	0.0004195	0.170531	3.208366	0.59219	4.441551	11.6834086	77.7597
87.984512	3.812071277	0.0006557	0.201058	5.284013	1.15428	6.246704	14.0349531	90.64834
101.792	11.72539067	0.0002703	0.288282	6.237907	1.41599	6.641833	43.1695255	84.93215
116.20683	4.228151993	0.0003976	0.439468	9.710162	0.80492	32.40473	15.566843	148.2278
104.568191	1.365398035	0.0003043	0.773426	6.311968	1.21813	15.87776	5.02700396	125.0882
120.658628	1.14141931	0.0002889	0.477341	7.200167	0.67668	9.395496	4.20237853	135.3476
77.9839237	1.149610141	0.0001331	0.157529	2.619887	0.26416	4.468813	4.23253482	82.41152
63.3364781	1.883058557	0.0001066	0.140987	8.700667	0.31145	7.341225	6.93288153	74.78109
38.4429007	1.731433673	8.065E-05	0.09855	2.24731	0.23557	6.701121	6.3746422	43.08232
40.1947454	1.196252873	6.081E-05	0.098947	4.452356	0.24377	4.607296	4.40425998	46.38917
36.1502035	0.562341056	6.044E-05	0.099447	6.637291	0.2002	2.1734	2.07037848	43.75256
34.3969222	0.724312489	8.523E-05	0.100924	4.076099	0.20216	2.814315	2.66671085	39.64811
39.2118531	1.305109918	8.608E-05	0.102522	4.263607	0.20609	5.054255	4.8050404	45.33848
39.4659132	1.223800168	6.139E-05	0.103361	2.372863	0.23278	4.722178	4.50568122	43.61528
37.4219404	1.107373355	5.288E-05	0.103671	3.796517	0.24765	4.273233	4.07703109	42.87341
35.3930511	0.787444895	4.851E-05	0.103357	4.758629	0.24515	3.035533	2.89914626	41.42407
32.4298036	0.84525326	5.197E-05	0.102546	3.555483	0.23844	3.275311	3.11198008	37.3349
31.561423	0.849906732	4.789E-05	0.101352	3.784195	0.20113	3.282666	3.12911283	36.65161
25.1066965	0.701441169	4.881E-05	0.097694	2.667829	0.19113	2.703093	2.58250521	28.88543
25.9031481	0.623380749	4.605E-05	0.098258	3.998321	0.1926	2.404114	2.29510913	30.92476
26.6911858	0.593871255	4.053E-05	0.09733	3.790195	0.19311	2.303182	2.18646363	31.48245
27.3494231	0.627075624	4.158E-05	0.096001	4.501206	0.21368	2.426696	2.3087126	32.90541
27.8385605	0.612206115	4.137E-05	0.104902	4.774705	0.19432	2.364974	2.25396733	33.63574
28.2165724	0.597890163	3.631E-05	0.120828	6.785399	0.1836	2.312574	2.2012601	36.01563
28.5814502	0.581904541	3.481E-05	0.10724	7.274296	0.1802	2.246932	2.14240562	36.82965
28.9364776	0.555167328	3.568E-05	0.141021	3.176362	0.17566	2.142133	2.04396687	33.08289
28.9433524	0.44657131	3.351E-05	0.070035	2.201555	0.14385	1.722695	1.64414748	31.88394
16.2027939	0.292772705	3.303E-05	0.077792	1.929753	0.15033	1.129966	1.07790513	18.70553
14.9545545	0.205040804	3.256E-05	0.054085	1.865819	0.15609	0.887651	0.75490143	17.36837
15.0202243	0.211557465	3.21E-05	0.043037	1.481671	0.14329	0.874581	0.77889391	16.99549
15.2213381	0.218839204	3.166E-05	0.042143	1.490055	0.12285	0.86196	0.80570318	17.15152
15.4167058	0.225076837	3.115E-05	0.069711	1.645578	0.10905	0.870506	0.82866836	17.50799
15.6063274	0.229896826	3.085E-05	0.094413	1.722604	0.1063	0.888842	0.84641418	17.802
15.7915368	0.233249666	3.041E-05	0.10978	1.722277	0.10482	0.901515	0.85875837	18.00445
33.9919242	0.463380515	3.499E-05	0.075162	2.953686	0.30416	1.609764	1.70603416	37.69208
35.0632655	0.454244588	3.819E-05	0.079452	3.059373	0.32149	1.511352	1.67239829	38.81682
35.9290809	0.446242776	4.096E-05	0.081542	2.995038	0.3335	1.408539	1.64293792	39.55105
36.6307218	0.438155456	4.316E-05	0.081768	2.673556	0.33763	1.36876	1.61316272	39.91747
37.8950708	0.429591087	4.462E-05	0.081131	2.520957	0.33528	1.445849	1.58163117	41.12629
39.5727292	0.427597384	4.515E-05	0.080691	2.229713	0.32419	1.500147	1.57429093	42.56082
42.0166722	0.447331887	4.459E-05	0.103231	2.79951	0.31673	1.474129	1.64694771	45.5107
43.6804783	0.386872753	4.283E-05	0.08334	2.427145	0.27804	1.297783	1.42435452	46.72935
32.7463526	0.364757509	3.344E-05	0.086557	1.5068	0.24961	0.930485	1.34293253	34.54166
33.8565828	0.341170616	2.898E-05	0.089786	1.433403	0.22521	0.909595	1.25609236	35.59968
25.6760742	0.319932961	2.55E-05	0.091437	2.103205	0.20108	0.904743	1.1779014	28.11859
26.2088206	0.303375781	2.448E-05	0.090417	2.900295	0.19515	0.90659	1.11694261	29.48773
26.1276568	0.293366765	2.513E-05	0.086708	3.72645	0.19407	0.911511	1.08009229	30.25969
25.6356463	0.289190342	2.741E-05	0.081443	4.41462	0.19805	0.917571	1.0647159	30.47183
36.187861	0.288276749	3.352E-05	0.076293	4.758421	0.23105	1.053482	1.06135231	41.53406
35.8344754	0.441800826	3.715E-05	0.072575	4.58543	0.24157	1.718965	1.62658393	41.26827
48.495717	0.544136709	4.623E-05	0.094844	4.599564	0.2366	2.106619	2.0033553	54.07417
48.5578981	0.633106236	7.956E-05	0.133805	5.505891	0.28883	2.456375	2.33091558	55.24507

4068	480363.09	3854877.25	4.75096	1.2536	2.91138	2.79815	7.80717	2.03106	1.29819	1.2536	48.7491615	0.564177242	7.386E-05	0.144948	3.600279	0.28099	2.241338	2.07713879	53.50383
4069	480863.09	3854877.25	5.3719	1.31398	2.4342	2.93993	10.09387	2.16649	1.50739	1.31398	55.1205694	0.591350999	6.175E-05	0.152292	4.654792	0.29972	2.602524	2.17718477	61.24413
4070	481363.09	3854877.25	6.1683	2.75761	5.13026	3.06869	11.0949	2.32417	1.78004	2.75761	63.2923562	1.241050418	0.0001301	0.158962	5.116417	0.32154	3.073257	4.5691917	68.63452
4071	481863.09	3854877.25	8.92628	2.94483	4.37829	3.07282	12.187	2.54072	2.02213	2.94483	91.5917341	1.325307967	0.0001111	0.159176	5.620039	0.3515	3.491228	4.87940383	97.65969
4072	482363.09	3854877.25	8.83906	5.86408	14.59286	2.82854	12.09328	7.34651	2.21589	5.86408	90.6967777	2.639103766	0.0003702	0.146522	5.57682	1.01635	3.825757	9.71642315	94.18528
4073	482863.09	3854877.25	10.14847	10.30783	22.06789	3.67779	9.73318	9.91763	3.71999	10.30783	104.132513	4.638994177	0.0005598	0.190515	4.488459	1.37206	6.4226	17.0794461	104.1663
4074	483363.09	3854877.25	10.72495	8.87657	90.1314	5.85237	15.32644	8.74877	4.2886	8.87657	110.047721	3.994861823	0.0022864	0.303161	7.067793	1.21035	7.404311	14.7079355	115.3225
4075	483863.09	3854877.25	11.17008	5.88494	35.03974	8.115	22.35244	5.47701	12.0327	5.88494	114.615158	2.648491719	0.0008889	0.420368	10.30784	0.75772	20.77463	9.7509869	139.7741
4076	484363.09	3854877.25	12.15696	2.39231	13.68383	17.09337	25.40111	14.28751	19.2947	2.39231	124.741443	1.076648738	0.0003471	0.88546	11.71373	1.97661	33.31256	3.96391186	169.7429
4077	484863.09	3854877.25	12.21084	2.47093	9.26361	19.01644	19.89853	7.42407	7.63198	2.47093	125.294301	1.112031328	0.000235	0.985078	9.176214	1.02708	13.17669	4.09418041	146.6775
4078	485363.09	3854877.25	8.75539	3.19235	7.57001	8.8959	17.59125	4.33837	4.50088	3.19235	89.8382476	1.436703269	0.000192	0.46082	8.112211	0.60019	7.770815	5.28952938	102.9297
4079	485863.09	3854877.25	6.53843	3.03233	6.37244	5.84294	21.88146	2.87145	3.10971	3.03233	67.0902259	1.364686963	0.0001617	0.302672	10.09064	0.39725	5.368946	5.02438599	79.5902
4080	486363.09	3854877.25	5.46764	4.24316	5.45348	4.14862	18.38164	2.04741	4.30088	4.24316	56.1029487	1.909615752	0.0001383	0.214904	8.4767	0.28325	7.425513	7.0306575	67.38241
4081	486863.09	3854877.25	4.94091	3.95533	4.77576	3.17765	15.18358	1.72141	3.99206	3.95533	50.6982208	1.780079109	0.0001212	0.164607	7.001913	0.23815	6.892332	6.55374074	60.22168
4082	487363.09	3854877.25	4.90714	2.46901	4.25211	2.86166	15.54799	1.75326	2.48522	2.46901	50.35171	1.11116724	0.0001079	0.148238	7.169961	0.24255	4.290758	4.09099909	59.2235
4083	487863.09	3854877.25	4.62719	1.17172	3.84886	2.54619	13.83225	1.76792	1.49789	1.17172	47.4791689	0.527327503	9.764E-05	0.131896	6.378747	0.24458	2.586122	1.94146863	55.40647
4084	488363.09	3854877.25	4.26359	1.80611	3.52347	2.28398	8.03919	1.83532	1.83006	1.80611	43.7483029	0.812831971	8.938E-05	0.118313	3.707275	0.25391	3.159617	2.99261419	48.80772
4085	488863.09	3854877.25	3.87748	2.60709	3.42143	2.07164	21.59373	1.81925	2.63651	2.60709	39.7864639	1.173309545	8.679E-05	0.107314	9.957956	0.25168	4.551961	4.31978923	51.50899
4086	489363.09	3854877.25	3.56245	2.53328	3.03362	1.89273	14.89252	1.78726	2.55563	2.53328	36.5539702	1.140091675	7.696E-05	0.098046	6.867691	0.24726	4.412321	4.19749056	45.12197
4087	489863.09	3854877.25	3.53576	2.36113	2.84607	1.84005	13.84021	1.66357	2.38081	2.36113	36.2801066	1.062616314	7.22E-05	0.095317	6.382418	0.23015	4.110493	3.9122485	44.24892
4088	490363.09	3854877.25	3.45449	1.87101	1.59703	1.75781	7.41998	1.34433	1.87968	1.87101	35.4462026	0.842039934	4.051E-05	0.091057	3.421726	0.18598	3.245287	3.10014953	40.13219
4089	490863.09	3854877.25	3.41289	1.02764	1.54686	1.3123	8.75913	0.86853	1.03335	1.02764	35.0193489	0.462484924	3.924E-05	0.067979	4.039276	0.12016	1.784089	1.70273685	39.79064
4090	491363.09	3854877.25	3.462	1.0794	1.53427	1.20013	7.21027	1.03481	1.08851	1.0794	35.523262	0.485779288	3.892E-05	0.062168	3.325019	0.14316	1.879324	1.78850001	39.63025
4091	491863.09	3854877.25	3.63435	1.7187	2.33105	1.72145	13.81	1.42824	1.73174	1.7187	37.2917294	0.773493479	5.913E-05	0.089174	6.368486	0.19759	2.989867	2.84778115	44.86262
4092	492363.09	3854877.25	3.68745	1.45973	2.49257	2.2034	15.94185	1.4788	1.46916	1.45973	37.8365836	0.656945154	6.323E-05	0.114139	7.35159	0.20458	2.53652	2.41868364	46.28174
4093	492863.09	3854877.25	3.68861	1.21882	2.19767	5.25479	16.34082	1.38243	1.22591	1.21882	37.8484863	0.548524654	5.575E-05	0.272205	7.535575	0.19125	2.116546	2.01951045	46.49314
4094	493363.09	3854877.25	3.67751	1.19163	1.80387	1.94427	13.79084	1.30156	1.20532	1.19163	37.7345902	0.536287912	4.576E-05	0.100716	6.359651	0.18006	2.080997	1.97445828	45.01789
4095	493863.09	3854877.25	3.68131	1.22654	1.594	3.9369	8.97279	1.24215	1.23806	1.22654	37.7735817	0.551999006	4.044E-05	0.203937	4.137805	0.17185	2.137523	2.03230202	42.94443
4096	494363.09	3854877.25	3.6259	0.99932	1.41315	1.44881	5.20019	1.12474	1.00562	0.99932	37.2050248	0.449739631	3.585E-05	0.07505	2.398069	0.1556	1.736213	1.65581233	40.36392
4097	494863.09	3854877.25	1.80783	0.62653	1.40884	1.50072	3.86763	1.1589	0.63097	0.62653	18.5499765	0.281967109	3.574E-05	0.077739	1.783559	0.16033	1.089376	1.03812202	20.90486
4098	495363.09	3854877.25	1.81976	0.57203	1.39834	0.953	3.80148	1.03431	0.57609	0.57203	18.6723892	0.25743962	3.547E-05	0.049367	1.753054	0.14309	0.994625	0.94781885	20.92218
4099	495863.09	3854877.25	1.83149	0.43422	1.38404	0.79515	4.10336	0.86966	0.4702	0.43422	18.7927496	0.195418827	3.511E-05	0.04119	1.892266	0.12031	0.811805	0.71947607	21.1343
4100	496363.09	3854877.25	1.84292	0.43137	1.3637	1.48931	4.17064	0.77818	0.46505	0.43137	18.9100318	0.194136197	3.459E-05	0.077148	1.923292	0.10766	0.802914	0.7147538	21.30046
4101	496863.09	3854877.25	1.85412	0.42855	1.31403	1.89947	4.03021	0.76451	0.46004	0.42855	19.024954	0.192867068	3.333E-05	0.098395	1.858533	0.10577	0.794264	0.71008123	21.36473
4102	497363.09	3854877.25	1.86506	0.42575	1.29707	2.20863	3.731	0.75817	0.45516	0.42575	19.1372083	0.191606941	3.29E-05	0.11441	1.720552	0.10489	0.785838	0.7054418	21.3491
4103	497863.09	3854877.25	1.87561	0.42298	1.31289	2.1083	3.32969	0.75188	0.45041	0.42298	19.2454609	0.190360314	3.331E-05	0.109213	1.535488	0.10402	0.777637	0.70085208	21.26136
4104	498363.09	3854877.25	1.88588	0.43264	1.29386	1.53558	3.08066	0.74565	0.44578	0.43264	19.3508404	0.194707755	3.282E-05	0.079545	1.420647	0.10316	0.769644	0.71685811	21.20172
4105	471363.09	3855377.25	2.75659	1.17988	0.94443	0.97814	6.68088	1.55072	1.16977	1.17988	28.2851152	0.530999876	2.396E-05	0.050669	3.08089	0.21453	2.01962	1.95498925	32.22686
4106	471863.09	3855377.25	2.94771	1.14158	0.98445	1.05623	7.17153	1.74965	1.1206	1.14158	30.2461799	0.513763127	2.497E-05	0.054714	3.307154	0.24206	1.934727	1.89152848	34.40709
4107	472363.09	3855377.25	3.13215	1.10353	1.13835	1.23079	7.85152	1.94345	1.06677	1.10353	32.1387017	0.496638889	2.888E-05	0.063757	3.620731	0.26887	1.841789	1.82848195	36.60203
4108	472863.09	3855377.25	3.27238	1.0709	1.29388	1.3947	8.06402	2.1232	1.01077	1.0709	33.5775887	0.4819539	3.282E-05	0.072247	3.718726	0.29373	1.745105	1.77441603	38.11497
4109	473363.09	3855377.25	3.40367	1.04712	1.44384	1.5287	8.61132	2.29028	0.95605	1.04712	34.9247433	0.471251814	3.663E-05	0.079189	3.971113	0.31685	1.65063	1.73501402	39.6788
4110	473863.09	3855377.25	3.49976	1.02876	1.64045	1.63717	8.7736	2.4315	0.89805	1.02876	35.9107139	0.462988975	4.161E-05	0.084808	4.045949	0.33639	1.550492	1.70459262	40.68679
4111	474363.09	3855377.25	3.57572	1.02883	1.71975	1.84518	9.31295	2.53507	0.9433	1.02883	36.6901324	0.463020479	4.363E-05	0.095583	4.29467	0.35071	1.628617	1.7047086	41.81807
4112	474863.09	3855377.25	3.53168	0.99464	1.79402	1.6193	7.1338	2.54448	0.76404	0.99464	36.2382421	0.447633417	4.551E-05	0.083882	3.289754	0.35202	1.319123	1.64805786	40.08264
4113	475363.09	3855377.25	1.7557	0.9702	1.55186	1.58035	2.06254	2.44445	0.6912	0.9702	18.0150754	0.436634301	3.937E-05	0.081864	0.951141	0.33818	1.193364	1.60756227	19.40873
4114	475863.09	3855377.25	1.81735	0.94763	1.5118	1.55446	2.12953	2.30379	0.63268	0.94763	18.6476604	0.426476771	3.835E-05	0.080523	0.982034	0.31872	1.092328	1.57016515	19.97761
4115	476363.09	3855377.25	1.92095	0.91773	1.49352	1.56443	2.38815	2.09914	0.58676	0.91773	19.7106904	0.413020405	3.789E-05	0.08104	1.101296	0.29041	1.013047	1.52062268	21.08891
4116	476863.09	3855377.25	2.07268	0.87729	1.38228	1.62011	2.61994	1.86884	0.55603	0.87729	21.2675779	0.394820559	3.507E-05	0.083924	1.208186	0.25854	0.959991	1.45361606	22.71946
4117	477363.09	3855377.25	2.25872	0.82538	1.23359	1.70936	2.83537	1.66757	0.53935	0.82538	23.1765172	0.371458689	3.129E-05	0.088547	1.307532	0.2307	0.931193	1.36760435	24.73838
4118	477863.09	3855377.25	2.43907	0.76676	1.10659	1.79868	3.01551	1.54354	0.60996	0.76676	25.0270718	0.345077012	2.807E-05	0.093174	1.390604	0.21354	1.053102	1.27047459	26.85212
4119	478363.09	3855377.25	3.52121	0.84638	1.47177	1.84513	4.29615	1.60849	0.85717	0.84638	36.1308104	0.380909647	3.734E-05	0.09558	1.981171	0.22253	1.479913	1.40240007	38.88855
4120	478863.09	3855377.25	3.63816	1.1481	1.63892	1.81886	6.29891	1.6866	1.16458	1.1481	37.3308235	0.516697425	4.158E-05	0.094219	2.904745	0.23333	2.010659	1.90233172	41.18819
4121	479363.09	3855377.25	5.20875	1.11108	1.78639	1.725	10.15284	1.82643	1.13163	1.11108	53.4465023	0.500036734	4.532E-05	0.089357	4.681986	0.25268	1.953771	1.84099184	59.08338
4122	479863.09	3855377.25	5.16786	1.24874	1.87963	2.07776	11.57785	1.80605	1.26141	1.24874	53.0269338	0.56199002	4.768E-05	0.107631	5.33913	0.24986	2.177837	2.06908607	59.39434
4123	480363.09	3855377.25	5.50591	1.4474	3.96361	2.80128	23.18092	2.22018	1.27094	1.4474	56.4956336	0.651396091	0.0001005	0.14511	10.68989	0.30715	2.194291	2.39825358	68.08532
4124	480863.09	3855377.25	6.19992	1.88751	7.13284	2.92263	22.68683	2.51373	1.25679	1.88751	63.6168061	0.849465688	0.0001809	0.151396	10.46204	0.34776	2.169861	3.12748903	74.47002
4125	481363.09	3855377.25	6.09017	1.90349	12.02766	3.02584	19.48883	2.8296	1.45093	1.90349	62.4906715	0.856657417	0.0003051	0.156743	8.987281	0.39146	2.505045	3.15396691	72.2342
4126	481863.09	3855377.25	6.35852	2.11065	15.00299	2.81337	12.69431	3.6809	1.48194	2.11065	65.244186	0.949888877	0.0003806	0.145736	5.853986	0.50923	2.558584	3.49721841	71.76478

4127	482363.09	3855377.25	7.8677	3.9093	18.86488	2.63203	10.63984	5.92612	2.08875	3.9093	80.7297425	1.759363507	0.0004786	0.136343	4.906566	0.81985	3.606248	6.47747183	85.48112
4128	482863.09	3855377.25	10.07392	5.03106	20.40312	2.72973	12.77242	8.16484	2.5532	5.03106	103.367562	2.264206729	0.0005176	0.141404	5.890006	1.12957	4.408126	8.33615978	108.8652
4129	483363.09	3855377.25	10.40371	10.16654	24.55366	3.25526	15.24991	17.41457	3.08308	10.16654	106.751507	4.575407226	0.0006229	0.168627	7.032501	2.40922	5.322969	16.8453371	109.4155
4130	483863.09	3855377.25	13.33107	11.61467	23.12799	5.09633	14.02881	6.54233	4.68523	11.61467	136.788877	5.22713185	0.0005867	0.263997	6.469391	0.9051	8.089097	19.2448003	138.4994
4131	484363.09	3855377.25	10.53843	4.79783	25.38049	7.27762	21.56466	4.52216	8.60513	4.79783	108.133856	2.159242579	0.0006438	0.376991	9.944551	0.62562	14.85684	7.94971189	128.148
4132	484863.09	3855377.25	11.61308	2.08009	14.13522	10.37206	34.35147	7.08961	7.864	2.08009	119.160741	0.936135481	0.0003586	0.537287	15.84119	0.98081	13.57728	3.44658235	147.5872
4133	485363.09	3855377.25	11.30083	2.53017	11.10373	32.24383	24.1006	13.21511	12.6906	2.53017	115.956772	1.138692033	0.0002817	1.670275	11.114	1.82825	21.91048	4.19233748	149.4264
4134	485863.09	3855377.25	7.89089	2.552	10.11074	9.38907	32.20441	4.69939	5.00263	2.552	80.967693	1.14851653	0.0002565	0.486367	14.85108	0.65014	8.637091	4.22850846	102.5126
4135	486363.09	3855377.25	7.09929	3.20429	5.72438	6.13107	26.63284	3.46488	3.58956	3.20429	72.8451585	1.442076815	0.0001452	0.317598	12.28174	0.47935	6.197412	5.30931323	88.25417
4136	486863.09	3855377.25	6.37436	3.37727	4.63209	4.84804	24.82138	2.63344	3.45038	3.37727	65.4067188	1.519925713	0.0001175	0.251135	11.44639	0.36432	5.957116	5.59593055	79.34979
4137	487363.09	3855377.25	5.53448	4.04417	4.3567	3.56644	26.85102	2.34043	4.11304	4.04417	56.7887878	1.820061165	0.0001105	0.184747	12.38236	0.32379	7.101205	6.7009432	71.90011
4138	487863.09	3855377.25	4.79822	3.54414	4.63344	3.0989	22.06051	2.34514	3.58966	3.54414	49.2340919	1.595024833	0.0001175	0.160527	10.17321	0.32444	6.197584	5.87242397	61.81257
4139	488363.09	3855377.25	4.27869	2.16887	4.24683	2.68531	22.87071	2.12115	2.19886	2.16887	43.9032426	0.976090535	0.0001077	0.139103	10.54684	0.29345	3.796354	3.5936854	56.0615
4140	488863.09	3855377.25	4.11638	1.20621	4.2376	2.36969	32.39118	1.95341	1.37359	1.20621	42.2377947	0.542849578	0.0001075	0.122753	14.9372	0.27024	2.371517	1.99861645	58.48385
4141	489363.09	3855377.25	4.12541	1.69962	4.03375	2.12115	27.04029	1.76662	1.72372	1.69962	42.3304507	0.764906608	0.0001023	0.109879	12.46964	0.2444	2.97602	2.81616675	56.07923
4142	489863.09	3855377.25	4.22999	2.18929	3.49993	1.91435	22.954	1.70251	2.21587	2.18929	43.4035364	0.985280468	8.879E-05	0.099166	10.58525	0.23553	3.825722	3.6275201	55.50705
4143	490363.09	3855377.25	4.17437	2.21553	3.18142	1.75681	21.9756	1.70517	2.23939	2.21553	42.8328248	0.997089666	8.071E-05	0.091005	10.13406	0.2359	3.86633	3.67099818	54.48629
4144	490863.09	3855377.25	4.09806	1.98802	1.59066	1.62782	8.47328	1.26027	1.99828	1.98802	42.0498149	0.894699777	4.035E-05	0.084323	3.907456	0.17435	3.450051	3.29402797	47.26671
4145	491363.09	3855377.25	4.06844	1.70291	1.62198	1.29536	8.54762	0.88733	1.71169	1.70291	41.7458868	0.766387258	4.115E-05	0.067101	3.941738	0.12276	2.95525	2.82161808	46.77754
4146	491863.09	3855377.25	4.34673	1.37453	2.80849	1.6683	17.82018	1.61008	1.38346	1.37453	44.6013948	0.618601264	7.125E-05	0.08642	8.217782	0.22275	2.388558	2.27751243	53.85806
4147	492363.09	3855377.25	4.40456	1.50944	2.82748	3.60993	16.60324	1.62585	1.52677	1.50944	45.1947831	0.679316924	7.173E-05	0.186999	7.65659	0.22493	2.635984	2.50105008	54.07762
4148	492863.09	3855377.25	4.33711	1.59003	2.8171	2.83182	12.94253	1.36777	1.6052	1.59003	44.5026849	0.715586104	7.146E-05	0.146692	5.968452	0.18922	2.771394	2.6345828	51.65952
4149	493363.09	3855377.25	4.24432	1.55221	1.69859	4.83793	9.11101	1.23236	1.56318	1.55221	43.5505752	0.698565377	4.309E-05	0.250612	4.201546	0.17049	2.698846	2.57191736	48.99876
4150	493863.09	3855377.25	4.15804	1.25514	1.56698	2.01395	9.06845	1.18894	1.26139	1.25514	42.6652641	0.564870312	3.975E-05	0.104325	4.181919	0.16448	2.177803	2.07969048	47.77901
4151	494363.09	3855377.25	2.05866	0.73936	1.5399	1.38992	5.3306	1.02692	0.74345	0.73936	21.12372	0.332745761	3.906E-05	0.072	2.458208	0.14207	1.283574	1.22507446	24.18728
4152	494863.09	3855377.25	2.06623	0.54938	1.50501	0.79391	4.59676	0.84794	0.55361	0.54938	21.2013951	0.247246086	3.818E-05	0.041126	2.119798	0.11731	0.955813	0.91028918	23.77243
4153	495363.09	3855377.25	2.07336	0.45926	1.45986	1.64967	4.24251	0.79081	0.45287	0.45926	21.2745553	0.206687971	3.703E-05	0.085455	1.956435	0.1094	0.781885	0.76096583	23.65349
4154	495863.09	3855377.25	2.08	0.45601	1.37389	1.96642	3.73736	0.78253	0.44906	0.45601	21.3426878	0.205225322	3.485E-05	0.101863	1.723485	0.10826	0.775307	0.75558078	23.50128
4155	496363.09	3855377.25	2.08605	0.45277	1.33662	2.30528	3.49231	0.77704	0.44529	0.45277	21.4047662	0.203767174	3.391E-05	0.119417	1.61048	0.1075	0.768798	0.75021229	23.46455
4156	496863.09	3855377.25	2.09136	0.44953	1.27979	2.1281	3.3652	0.77139	0.44155	0.44953	21.4592517	0.202309026	3.247E-05	0.110239	1.551863	0.10672	0.762341	0.74484381	23.44791
4157	497363.09	3855377.25	2.09603	0.44631	1.26601	1.44228	3.15009	0.76559	0.43785	0.44631	21.5071701	0.200859879	3.212E-05	0.074712	1.452665	0.10592	0.755952	0.73950847	23.3578
4158	497863.09	3855377.25	2.09989	0.4431	1.26371	0.96937	2.87687	0.7597	0.43418	0.4431	21.5467772	0.199415233	3.206E-05	0.050215	1.32667	0.1051	0.749616	0.73418969	23.24364
4159	498363.09	3855377.25	2.10294	0.4399	1.23345	0.85509	2.77928	0.75621	0.43054	0.4399	21.578073	0.197975087	3.129E-05	0.044295	1.281666	0.10462	0.743332	0.72888749	23.2211
4160	471363.09	3855877.25	1.94531	1.22425	0.97431	1.16783	5.21629	0.84306	1.23169	1.22425	19.9606461	0.550968402	2.472E-05	0.060495	2.405494	0.11663	2.126525	2.02850763	23.19228
4161	471863.09	3855877.25	2.15545	1.26752	1.05548	1.16837	5.47266	0.99441	1.27386	1.26752	22.1168732	0.570441878	2.678E-05	0.060523	2.523719	0.13757	2.199332	2.10020339	25.50828
4162	472363.09	3855877.25	2.38494	1.27533	1.21315	1.22945	5.94538	1.17488	1.28028	1.27533	24.4716489	0.573956734	3.077E-05	0.063687	2.741714	0.16254	2.210416	2.11314408	28.11085
4163	472863.09	3855877.25	2.59077	1.25131	1.21276	1.18598	5.95805	1.37642	1.2524	1.25131	26.5836515	0.563146637	3.077E-05	0.061435	2.747557	0.19042	2.162281	2.0733444	30.23518
4164	473363.09	3855877.25	2.83793	1.20936	1.35883	1.33219	6.38615	1.59136	1.20553	1.20936	29.1197374	0.544267222	3.447E-05	0.069009	2.944975	0.22016	2.08136	2.00383581	32.9757
4165	473863.09	3855877.25	3.06291	1.16125	1.39697	1.38878	6.67909	1.80548	1.14814	1.16125	31.4282364	0.522615525	3.544E-05	0.071941	3.080065	0.24978	1.982275	1.92412047	35.41083
4166	474363.09	3855877.25	3.25028	1.11783	1.36968	1.49102	7.65699	2.00978	1.08976	1.11783	33.3508227	0.503074542	3.475E-05	0.077237	3.531024	0.27804	1.881482	1.85217618	37.76954
4167	474863.09	3855877.25	3.27999	1.08079	1.34776	1.46219	6.17047	2.18594	1.02719	1.08079	33.6556742	0.486404851	3.419E-05	0.075743	2.845514	0.30241	1.773454	1.79080316	37.34844
4168	475363.09	3855877.25	2.28932	1.05371	1.28133	1.60894	2.37097	2.34774	0.96663	1.05371	23.4905009	0.474217615	3.25E-05	0.083345	1.093374	0.3248	1.668896	1.74593325	25.38923
4169	475863.09	3855877.25	1.68479	1.03816	1.29345	1.69217	1.7504	2.48686	0.90755	1.03816	17.2874745	0.467219405	3.281E-05	0.087657	0.807198	0.34404	1.566894	1.72016785	18.84035
4170	476363.09	3855877.25	1.69803	1.02462	1.38783	1.70274	1.88519	2.58742	0.84071	1.02462	17.4233289	0.461125786	3.521E-05	0.088204	0.869356	0.35796	1.451494	1.69773289	18.95377
4171	476863.09	3855877.25	1.70688	1.00988	1.52591	1.65711	2.03167	2.6225	0.76713	1.00988	17.5141379	0.454492113	3.871E-05	0.085841	0.936905	0.36281	1.324458	1.67330961	19.00537
4172	477363.09	3855877.25	1.72545	0.99312	1.59907	1.59075	2.17439	2.56275	0.69377	0.99312	17.704683	0.446949348	4.056E-05	0.082403	1.002721	0.35454	1.197801	1.64553931	19.1436
4173	477863.09	3855877.25	2.70065	0.9732	1.63364	1.545	2.31584	2.40264	0.65067	0.9732	27.71112	0.437984438	4.144E-05	0.080033	1.06795	0.33239	1.123388	1.61253308	29.14038
4174	478363.09	3855877.25	2.86047	0.94725	1.62383	1.55256	2.45366	2.17555	0.95471	0.94725	29.3510183	0.426305753	4.119E-05	0.080425	1.131506	0.30098	1.648316	1.56953552	31.36905
4175	478863.09	3855877.25	4.11055	1.18415	1.63849	1.6264	3.79992	1.95595	1.20247	1.18415	42.1779736	0.532921571	4.156E-05	0.08425	1.752334	0.2706	2.076077	1.96206438	44.93213
4176	479363.09	3855877.25	4.66734	1.37008	1.85202	1.75292	6.42764	1.84032	1.39581	1.37008	47.8911444	0.616598561	4.698E-05	0.090804	2.964108	0.2546	2.40988	2.27013906	51.95704
4177	479863.09	3855877.25	5.21642	1.11202	2.04762	2.28512	8.4452	1.85589	1.07509	1.11202	53.5252035	0.500459777	5.194E-05	0.118372	3.894507	0.25675	1.856154	1.84254936	58.30895
4178	480363.09	3855877.25	5.69801	1.17332	4.67062	2.5912	13.12531	2.08537	0.98427	1.17332	58.466754	0.528047576	0.0001185	0.134228	6.052741	0.2885	1.699352	1.94411973	65.22562
4179	480863.09	3855877.25	6.09651	1.43324	5.978	3.84495	17.66763	2.71937	1.37995	1.43324	62.5557256	0.645023445	0.0001516	0.199174	8.147434	0.37621	2.382498	2.37479133	71.93143
4180	481363.09	3855877.25	6.93948	1.88796	6.36017	3.59873	18.34497	2.743	1.61483	1.88796	71.2053629	0.849668208	0.0001613	0.186419	8.45979	0.37948	2.78802	3.12823465	80.74067
4181	481863.09	3855877.25	6.41198	2.75401	12.65266	3.5076	24.29947	3.53535	1.77969	2.75401	65.7927342	1.239430254	0.000321	0.181699	11.20571	0.4891	3.072653	4.56322672	77.41842
4182	482363.09	3855877.25	7.42013	2.53161	11.67897	2.91618	24.02349	3.46616	1.40052	2.53161	76.1372681	1.139340099	0.0002963	0.151062	11.07844	0.47953	2.418012	4.19472347	87.20922
4183	482863.09	3855877.25	9.32789	2.41437	15.72318	2.73157	23.18812	4.56333	1.43909	2.41437	95.7126172	1.086576745	0.0003989	0.141499	10.69321	0.63131	2.484603	4.00046394	106.7498
4184	483363.09	3855877.25	10.21299	5.06336	13.74807	2.70625	17.93276	8.67688	2.50356	5.06336	104.794546	2.278743204	0.0003488	0.140188	8.269699	1.2004	4.322422	8.38967891	112.6167
4185	483863.09	3855877.25	13.8047	7.58976	20.95974	3.3168	14.51768	20.17569	2.85109	7.58976	141.648751	3.415738564	0.0005317	0.171815	6.694833	2.79121	4.922436	12.5757697	147.0695

4186	484363.09	3855877.25	14.38068	16.04567	29.75987	4.04614	19.4696	6.81863	4.56339	16.04567
4187	484863.09	3855877.25	11.1681	4.20705	34.25097	8.04246	22.50561	5.62	5.49192	4.20705
4188	485363.09	3855877.25	11.26937	2.21175	26.59294	9.01158	34.90605	6.1766	7.21479	2.21175
4189	485863.09	3855877.25	11.07297	2.1867	16.57449	56.14534	44.52293	14.71618	11.376	2.1867
4190	486363.09	3855877.25	8.18944	1.98282	8.46453	11.00936	50.08504	5.52571	5.7473	1.98282
4191	486863.09	3855877.25	7.20109	2.81948	6.1636	6.03677	52.97173	3.47809	3.41675	2.81948
4192	487363.09	3855877.25	6.12209	2.57147	5.97638	4.28427	39.48329	3.04869	2.7646	2.57147
4193	487863.09	3855877.25	5.32463	3.27914	6.11246	3.62809	35.39813	2.50778	3.38855	3.27914
4194	488363.09	3855877.25	4.74664	3.04651	5.51954	3.33756	57.23898	2.17254	3.12488	3.04651
4195	488863.09	3855877.25	4.28742	2.60696	4.81008	2.81048	41.9636	2.19137	2.65666	2.60696
4196	489363.09	3855877.25	4.24171	1.67973	5.03565	2.25841	35.63128	1.85618	1.71422	1.67973
4197	489863.09	3855877.25	4.27409	1.18688	4.04897	1.99246	38.2487	1.83397	1.22302	1.18688
4198	490363.09	3855877.25	4.29087	1.50873	3.75772	2.02332	34.04935	1.81422	1.53096	1.50873
4199	490863.09	3855877.25	4.43499	1.81988	3.49228	2.44737	28.19827	1.78445	1.84275	1.81988
4200	491363.09	3855877.25	4.74235	2.11754	3.23586	2.20052	16.05433	1.58198	2.1386	2.11754
4201	491863.09	3855877.25	4.56739	1.801	3.04619	2.23509	17.08776	1.74214	1.82116	1.801
4202	492363.09	3855877.25	4.78538	1.7733	2.85334	10.61759	15.26916	1.70199	1.78927	1.7733
4203	492863.09	3855877.25	4.74749	1.47469	2.67025	7.58843	14.5781	1.46026	1.48498	1.47469
4204	493363.09	3855877.25	4.53485	1.18953	1.42866	3.34749	9.90505	1.25132	1.19583	1.18953
4205	493863.09	3855877.25	4.43017	0.70913	1.35599	1.57703	8.52906	0.84247	0.71416	0.70913
4206	494363.09	3855877.25	2.2131	0.49908	1.2885	1.77014	3.96233	0.83224	0.50368	0.49908
4207	494863.09	3855877.25	2.21112	0.47976	1.21732	2.05555	3.68345	0.82167	0.45711	0.47976
4208	495363.09	3855877.25	2.20764	0.47591	1.08613	2.4008	3.31244	0.81116	0.45315	0.47591
4209	495863.09	3855877.25	2.20296	0.4721	1.03857	2.13346	3.01244	0.80474	0.44925	0.4721
4210	496363.09	3855877.25	2.19677	0.46834	0.99649	1.32166	2.78138	0.79828	0.4454	0.46834
4211	496863.09	3855877.25	2.18954	0.46463	0.96509	0.91118	2.48097	0.79176	0.44159	0.46463
4212	497363.09	3855877.25	2.18138	0.46099	1.01119	0.8882	2.41023	0.78518	0.43783	0.46099
4213	497863.09	3855877.25	2.17217	0.45742	0.94661	0.9684	2.74241	0.78002	0.43412	0.45742
4214	498363.09	3855877.25	2.16253	0.45394	0.92952	1.02959	3.06894	0.84105	0.43045	0.45394
4215	471363.09	3856377.25	1.72436	0.7892	0.97134	0.95699	4.76238	1.03495	0.79704	0.7892
4216	471863.09	3856377.25	1.76449	0.94442	0.97452	1.01637	4.68688	1.01898	0.95298	0.94442
4217	472363.09	3856377.25	1.83126	1.09102	1.04262	1.1296	4.75007	1.05822	1.10043	1.09102
4218	472863.09	3856377.25	1.91248	1.21376	1.10873	1.26671	4.84863	1.11516	1.22386	1.21376
4219	473363.09	3856377.25	1.99156	1.29911	1.18486	1.37507	4.85046	1.12779	1.30904	1.29911
4220	473863.09	3856377.25	2.2443	1.34051	1.50409	1.5511	5.01761	1.2637	1.35027	1.34051
4221	474363.09	3856377.25	2.41633	1.33301	1.45428	1.48733	4.68198	1.17962	1.34053	1.33301
4222	474863.09	3856377.25	2.59431	1.29048	1.47242	1.32587	4.68734	1.39982	1.2943	1.29048
4223	475363.09	3856377.25	2.74861	1.22672	1.27828	0.90186	3.60641	1.62866	1.22407	1.22672
4224	475863.09	3856377.25	2.01633	1.16203	1.01283	1.08649	3.55244	1.85217	1.15122	1.16203
4225	476363.09	3856377.25	2.1229	1.11465	1.14119	1.31805	3.56599	2.05982	1.09057	1.11465
4226	476863.09	3856377.25	2.22043	1.08544	1.33155	1.54106	3.57007	2.25066	1.03973	1.08544
4227	477363.09	3856377.25	2.30529	1.06986	1.37917	1.71175	3.56167	2.42697	0.99108	1.06986
4228	477863.09	3856377.25	1.69795	1.0591	1.40454	1.79403	3.52578	2.58353	0.93363	1.0591
4229	478363.09	3856377.25	1.70048	1.04635	1.46205	1.7793	2.24671	2.7046	0.86098	1.04635
4230	478863.09	3856377.25	2.49737	1.03195	1.6261	1.69473	3.43531	2.76412	0.9724	1.03195
4231	479363.09	3856377.25	3.42257	1.21614	2.20898	1.59229	3.9377	2.72413	1.23576	1.21614
4232	479863.09	3856377.25	4.70272	1.16519	2.09622	2.16448	10.84962	2.7781	1.1958	1.16519
4233	480363.09	3856377.25	5.504	1.32168	3.48091	2.30274	17.78846	3.03511	1.10692	1.32168
4234	480863.09	3856377.25	6.02276	1.29308	6.28784	3.2811	21.43527	2.74832	1.15543	1.29308
4235	481363.09	3856377.25	6.26172	1.75836	8.78046	3.69249	22.40933	3.24158	1.47649	1.75836
4236	481863.09	3856377.25	6.15389	1.87534	10.73773	4.21843	21.67737	4.00346	1.76687	1.87534
4237	482363.09	3856377.25	6.61014	2.38199	12.06511	4.17702	21.86565	4.17506	2.04482	2.38199
4238	482863.09	3856377.25	8.07812	2.83912	13.19455	3.98929	22.56485	4.39653	1.97129	2.83912
4239	483363.09	3856377.25	10.11166	3.10618	17.94306	3.59006	22.38325	4.83987	1.69467	3.10618
4240	483863.09	3856377.25	13.71923	3.26247	27.18927	3.17558	24.51434	8.2685	1.83311	3.26247
4241	484363.09	3856377.25	15.97847	6.88644	32.29178	2.97393	27.18033	22.35762	3.05375	6.88644
4242	484863.09	3856377.25	14.9699	25.7581	36.48376	4.13191	29.43856	7.40887	3.25067	25.7581
4243	485363.09	3856377.25	12.43342	5.12103	22.14426	7.13151	26.559	7.28233	6.50257	5.12103
4244	485863.09	3856377.25	10.83876	2.81569	18.34685	9.90732	37.99304	6.19456	7.15432	2.81569

147.558828	7.221284179	0.0007549	0.209596	8.978413	0.94332	7.878739	26.5866972	146.2042		
114.594842	1.893364603	0.0008689	0.416611	10.37847	0.7775	9.481856	6.97082544	130.5727		
115.633964	0.995388493	0.0006746	0.466812	16.09694	0.8545	12.45641	3.66473495	142.84		
113.618722	0.984114849	0.0004205	2.908407	20.53177	2.03591	19.64085	3.62322862	156.097		
84.0310869	0.89235954	0.0002147	0.5703	23.09673	0.76445	9.922772	3.28541189	115.9925		
73.8897189	1.268894743	0.0001564	0.312713	24.42793	0.48118	5.899054	4.67170652	101.6079		
62.8181997	1.157278919	0.0001516	0.221931	18.20773	0.42177	4.77311	4.26076906	83.33941		
54.6355363	1.475762732	0.0001551	0.18794	16.32386	0.34694	5.850366	5.43333512	73.38722		
48.7048343	1.37106861	0.00014	0.17289	26.39578	0.30056	5.395137	5.04788139	77.29253		
43.9928204	1.173251039	0.000122	0.145587	19.35153	0.30317	4.58675	4.31957383	65.23365		
43.5237943	0.7559552	0.0001277	0.116989	16.43138	0.25679	2.959618	2.78321023	61.26144		
43.8560425	0.534150195	0.0001027	0.103212	17.6384	0.25372	2.111556	1.96658782	62.5306		
44.0282205	0.678997392	9.533E-05	0.104811	15.70187	0.25099	2.643218	2.49987365	60.90833		
45.5070225	0.8190291	8.859E-05	0.126777	13.00364	0.24687	3.181527	3.01543024	59.86953		
48.660815	0.952989691	8.209E-05	0.11399	7.40346	0.21886	3.692315	3.50863472	57.53388		
46.8655667	0.810532237	7.728E-05	0.115781	7.880027	0.24102	3.144251	2.98414723	56.0731		
49.1023419	0.798065973	7.238E-05	0.550006	7.041379	0.23546	3.089193	2.93825002	57.87827		
48.7135561	0.663677837	6.774E-05	0.393091	6.722696	0.20202	2.563833	2.44347145	56.81547		
46.5316767	0.535342816	3.624E-05	0.173405	4.567717	0.17311	2.064613	1.97097871	52.07493		
45.4575649	0.31914088	3.44E-05	0.081692	3.933179	0.11655	1.233004	1.17498519	49.96618		
22.7084146	0.224608789	3.269E-05	0.091696	1.82723	0.11514	0.869609	0.82694514	25.00978		
22.688098	0.215913907	3.088E-05	0.10648	1.698624	0.11367	0.789205	0.79493308	24.81709		
22.65239	0.214181231	2.755E-05	0.124365	1.527533	0.11222	0.782368	0.78855386	24.62453		
22.604369	0.212466557	2.635E-05	0.110516	1.389188	0.11133	0.775635	0.78224093	24.42129		
22.5408539	0.210774385	2.528E-05	0.068464	1.282634	0.11044	0.768988	0.77601084	24.20617		
22.4666676	0.209104716	2.448E-05	0.0472	1.1441	0.10954	0.76241	0.76986359	23.96918		
22.3829386	0.20746655	2.565E-05	0.04601	1.111478	0.10863	0.755918	0.76383233	23.84863		
22.2884356	0.205859887	2.401E-05	0.050164	1.264663	0.10791	0.749513	0.75791706	23.90865		
22.1895205	0.204293728	2.358E-05	0.053334	1.415243	0.11636	0.743176	0.75215091	23.9698		
17.6934986	0.355176037	2.464E-05	0.049573	2.196173	0.14318	1.376098	1.3076563	20.50607		
18.1052688	0.425032124	2.472E-05	0.052649	2.161356	0.14097	1.64533	1.56484638	20.96579		
18.7903896	0.491008818	2.645E-05	0.058515	2.190496	0.1464	1.899904	1.80775364	21.76899		
19.6237805	0.546247423	2.813E-05	0.065617	2.235947	0.15428	2.113007	2.01112634	22.72778		
20.4352131	0.58465882	3.006E-05	0.071231	2.236791	0.15602	2.260071	2.15254609	23.59147		
23.0285549	0.603290711	3.816E-05	0.080349	2.313873	0.17483	2.331255	2.22114337	26.31104		
24.7937388	0.599915368	3.689E-05	0.077046	2.159097	0.16319	2.314439	2.20871632	27.89875		
26.6199751	0.580774926	3.735E-05	0.068682	2.161569	0.19366	2.234622	2.13824671	29.72107		
28.2032332	0.552080015	3.243E-05	0.046718	1.663097	0.22532	2.113369	2.03260027	30.77125		
20.6893758	0.522966561	2.569E-05	0.056282	1.638209	0.25624	1.987593	1.92541289	23.22528		
21.7828807	0.501643397	2.895E-05	0.068277	1.644458	0.28497	1.88288	1.84690711	24.31823		
22.783627	0.488497563	3.378E-05	0.079829	1.646339	0.31137	1.795104	1.79850792	25.30629		
23.6543676	0.481485852	3.499E-05	0.088671	1.642465	0.33576	1.71111	1.77269281	26.1412		
17.422508	0.476643361	3.563E-05	0.092933	1.625915	0.35742	1.611922	1.75486415	19.83251		
17.4484681	0.470905279	3.709E-05	0.09217	1.036071	0.37417	1.486491	1.73373818	19.17457		
25.6252828	0.464424621	4.125E-05	0.087789	1.584194	0.3824	1.678858	1.70987825	28.11312		
35.1186744	0.547318532	5.604E-05	0.082483	1.815872	0.37687	2.133552	2.01506986	38.05976		
48.2541753	0.524388705	5.318E-05	0.112123	5.003306	0.38434	2.064561	1.93064881	54.41229		
56.4760353	0.594816351	8.83E-05	0.119285	8.203155	0.41989	1.911109	2.18994321	65.53444		
61.7989837	0.581945045	0.0001595	0.169966	9.884882	0.38022	1.994862	2.14255475	72.66846		
64.2509302	0.79134229	0.0002227	0.191276	10.33407	0.44846	2.549175	2.91349535	75.65198		
63.1444965	0.843988632	0.0002724	0.218521	9.996527	0.55386	3.050519	3.10732408	74.70086		
67.8260356	1.072004267	0.0003061	0.216375	10.08335	0.5776	3.530402	3.94681225	79.35926		
82.8888427	1.27773364	0.0003347	0.206651	10.40579	0.60824	3.403452	4.7042488	94.08679		
103.754809	1.397922835	0.0004552	0.18597	10.32204	0.66957	2.925865	5.14675094	114.1099		
140.771751	1.468260471	0.0006897	0.164499	11.3048	1.14391	3.164883	5.40571395	152.6131		
163.953604	3.099212449	0.0008192	0.154054	12.53422	3.09307	5.27233	11.4104114	176.6969		
153.60476	11.59232117	0.0009255	0.214039	13.5756	1.02498	5.612315	42.6796018	142.9453		
127.578173	2.304697337	0.0005618	0.369422	12.24769	1.00747	11.22675	8.48523459	146.2495		
111.215515	1.26718907	0.0004654	0.513213	17.5205	0.85699	12.35201	4.66542672	139.0605		

4245	486363.09	3856377.25	11.49178	1.9472	10.52839	30.52903	74.24273	19.80433	11.1142	1.9472	117.916092	0.876328913	0.0002671	1.581446	34.23706	2.73983	19.18871	3.22639172	173.3133
4246	486863.09	3856377.25	8.51674	1.70096	7.5638	12.59754	82.88274	6.38896	6.05513	1.70096	87.389482	0.765509669	0.0001919	0.65257	38.22141	0.88388	10.45424	2.81838705	135.5489
4247	487363.09	3856377.25	7.13866	2.20782	8.49705	6.33152	90.8699	3.47168	3.95102	2.20782	73.2491305	0.993619814	0.0002156	0.327982	41.90469	0.48029	6.821476	3.65822318	120.1192
4248	487863.09	3856377.25	6.18308	2.26198	8.41489	4.46146	73.85776	3.14147	2.79726	2.26198	63.4440124	1.017994287	0.0002135	0.23111	34.05953	0.43461	4.829498	3.74796299	100.269
4249	488363.09	3856377.25	5.53941	2.57678	7.63531	4.58656	72.06584	2.64938	2.82253	2.57678	56.839374	1.159668661	0.0001937	0.23759	33.23319	0.36653	4.873127	4.26956741	92.4401
4250	488863.09	3856377.25	5.04175	2.64523	7.89292	5.36448	61.73347	2.42789	2.76149	2.64523	51.7329308	1.190474287	0.0002002	0.277888	28.46841	0.33589	4.76774	4.38298489	82.39055
4251	489363.09	3856377.25	4.65072	2.4413	7.47909	3.03499	51.35258	2.88124	2.49902	2.4413	47.7206081	1.098696475	0.0001897	0.157217	23.68126	0.39861	4.314583	4.04508531	73.32608
4252	489863.09	3856377.25	4.32436	1.9738	5.12681	2.65426	41.83775	2.49077	2.01575	1.9738	44.3718583	0.888300128	0.0001301	0.137494	19.29349	0.34459	3.480213	3.2704663	65.24561
4253	490363.09	3856377.25	4.36652	1.34914	4.50626	4.67449	30.31728	2.27994	1.37913	1.34914	44.8044581	0.607174605	0.0001143	0.242145	13.98082	0.31542	2.381082	2.23544275	60.09577
4254	490863.09	3856377.25	4.42486	1.05777	4.05949	2.95567	28.59351	2.24346	1.22315	1.05777	45.4030795	0.4760448	0.000103	0.153108	13.18591	0.31037	2.111781	1.75266042	59.88773
4255	491363.09	3856377.25	4.46153	1.30352	3.67786	3.5938	28.43613	2.59248	1.32238	1.30352	45.779347	0.586643521	9.33E-05	0.186164	13.11333	0.35866	2.283102	2.15985319	60.14749
4256	491863.09	3856377.25	4.55183	1.5704	3.22987	5.26603	26.13552	2.47041	1.58956	1.5704	46.7059069	0.706751708	8.193E-05	0.272788	12.0524	0.34177	2.744391	2.60205709	60.22204
4257	492363.09	3856377.25	4.78194	1.83664	2.7319	9.06793	21.62531	1.73624	1.85593	1.83664	49.0670444	0.826571865	6.93E-05	0.469731	9.972519	0.2402	3.204282	3.04320054	60.73722
4258	492863.09	3856377.25	4.62718	1.98604	1.83426	7.20835	12.48154	1.38058	2.00152	1.98604	47.4790663	0.893808687	4.653E-05	0.373403	5.755867	0.191	3.455645	3.29074723	54.85808
4259	493363.09	3856377.25	4.42485	1.29557	0.99282	1.70273	6.64368	0.86414	1.30217	1.29557	45.4029769	0.583065658	2.519E-05	0.088204	3.063735	0.11955	2.24821	2.14668053	49.35909
4260	493863.09	3856377.25	2.18377	0.79053	0.94896	2.20918	5.28455	0.85707	0.79463	0.79053	22.4074621	0.355774597	2.407E-05	0.114439	2.436972	0.11857	1.371937	1.30986003	25.49532
4261	494363.09	3856377.25	2.16244	0.62257	0.8463	2.47877	5.81962	0.84523	0.62675	0.62257	22.188597	0.280184928	2.147E-05	0.128404	2.68372	0.11693	1.08209	1.03156055	25.44839
4262	494863.09	3856377.25	2.14119	0.49071	0.71588	2.12319	6.29349	0.83376	0.4612	0.49071	21.9705527	0.220841907	1.816E-05	0.109984	2.902245	0.11535	0.796266	0.81307656	25.30218
4263	495363.09	3856377.25	2.12028	0.48698	0.58451	1.17421	6.70373	0.82892	0.45713	0.48698	21.7559971	0.219163237	1.483E-05	0.060826	3.091427	0.11468	0.78924	0.80689618	25.22445
4264	495863.09	3856377.25	2.10002	0.48344	0.87241	0.9516	7.05464	0.82481	0.45311	0.48344	21.5481111	0.217570075	2.213E-05	0.049294	3.25325	0.11411	0.782299	0.80103061	25.16362
4265	496363.09	3856377.25	2.08036	0.4801	1.02595	1.06788	7.34364	0.82145	0.44914	0.4801	21.3463817	0.216066922	2.603E-05	0.055318	3.386522	0.11364	0.775445	0.79549644	25.09791
4266	496863.09	3856377.25	2.06172	0.47694	0.81369	1.13905	7.57707	0.81876	0.44522	0.47694	21.1551184	0.214644778	2.064E-05	0.059004	3.494169	0.11327	0.768677	0.79026051	25.01464
4267	497363.09	3856377.25	2.04382	0.47396	0.62441	1.14024	7.75892	0.81798	0.44135	0.47396	20.9714481	0.213303642	1.584E-05	0.059066	3.578029	0.11316	0.761995	0.78532283	24.9117
4268	497863.09	3856377.25	2.027	0.47114	0.65702	1.09336	7.894	0.82154	0.43752	0.47114	20.7988597	0.212034513	1.667E-05	0.056638	3.640321	0.11366	0.755383	0.78065026	24.79626
4269	498363.09	3856377.25	2.01136	0.47751	0.67069	1.11604	7.98624	2.28053	0.48148	0.47751	20.6383791	0.214901304	1.701E-05	0.057812	3.682857	0.3155	0.83128	0.79120497	24.94954
4270	471363.09	3856877.25	1.69385	0.78744	1.07339	0.88461	5.24321	1.02938	0.79905	0.78744	17.3804383	0.354383956	2.723E-05	0.045824	2.417908	0.14241	1.379568	1.30474009	20.41582
4271	471863.09	3856877.25	1.73472	0.78044	1.09519	0.87888	5.411	1.01127	0.79159	0.78044	17.7998016	0.351233637	2.778E-05	0.045527	2.495285	0.1399	1.366688	1.29314151	20.90533
4272	472363.09	3856877.25	1.78722	0.77496	1.18914	0.93953	5.77744	1.06629	0.78661	0.77496	18.3384992	0.348767386	3.017E-05	0.048669	2.664269	0.14752	1.35809	1.28406149	21.62178
4273	472863.09	3856877.25	1.91075	0.79435	1.24809	1.00936	6.14917	1.12474	0.80711	0.79435	19.6060292	0.357493772	3.166E-05	0.052286	2.835692	0.1556	1.393484	1.31618954	23.08443
4274	473363.09	3856877.25	2.11525	0.843	1.513	1.13237	6.75609	1.29916	0.85692	0.843	21.7043847	0.379388493	3.838E-05	0.058658	3.115573	0.17973	1.479481	1.39679962	25.52046
4275	473863.09	3856877.25	2.29613	0.98827	1.49661	1.18069	7.14204	1.36771	0.99923	0.98827	23.5603777	0.444766626	3.797E-05	0.061161	3.293554	0.18922	1.725181	1.63750316	27.63679
4276	474363.09	3856877.25	2.44054	1.15358	1.14987	1.10547	7.09972	1.20722	1.16458	1.15358	25.0421554	0.519163675	2.917E-05	0.057265	3.274038	0.16701	2.010659	1.91141175	29.15891
4277	474863.09	3856877.25	2.4825	1.29069	1.12336	0.96331	6.62164	0.94889	1.30073	1.29069	25.4727031	0.580869436	2.85E-05	0.049901	3.053572	0.13127	2.245724	2.13859466	29.39548
4278	475363.09	3856877.25	2.14126	1.37895	1.12025	0.80166	5.2612	0.81488	1.38706	1.37895	21.971271	0.620590466	2.842E-05	0.041527	2.426204	0.11273	2.394773	2.2848361	25.28229
4279	475863.09	3856877.25	2.101	1.41189	1.00293	0.85011	5.06128	0.96434	1.41905	1.41189	21.5581668	0.63541497	2.544E-05	0.044037	2.334011	0.13341	2.450004	2.33941568	24.81566
4280	476363.09	3856877.25	2.26345	1.38713	1.03809	0.86358	3.73535	1.17649	1.39243	1.38713	23.2250513	0.624271839	2.633E-05	0.044735	1.722558	0.16276	2.404045	2.29838987	25.88506
4281	476863.09	3856877.25	1.79254	1.32017	1.09977	0.88763	3.71957	1.42359	1.32355	1.32017	18.3930873	0.594136782	2.79E-05	0.04598	1.715281	0.19695	2.285122	2.18744123	21.04314
4282	477363.09	3856877.25	1.92188	1.23644	1.15665	0.86179	3.86739	1.67792	1.23664	1.23644	19.7202331	0.556454458	2.934E-05	0.044642	1.783448	0.23213	2.135071	2.04870572	22.4233
4283	477863.09	3856877.25	1.48603	1.16303	0.83692	1.09346	2.53003	1.91456	1.15751	1.16303	15.2480165	0.523416606	2.123E-05	0.056643	1.166724	0.26487	1.998453	1.92706982	17.33107
4284	478363.09	3856877.25	1.58892	1.11611	0.97044	1.36684	2.40345	2.12667	1.09984	1.11611	16.3037613	0.502300464	2.462E-05	0.070804	1.108352	0.29421	1.898885	1.84932624	18.32902
4285	478863.09	3856877.25	1.66187	1.09633	1.28761	1.63614	2.6461	2.32196	1.06061	1.09633	17.0522945	0.493398561	3.266E-05	0.084754	1.22025	0.32123	1.831154	1.81655199	19.18656
4286	479363.09	3856877.25	2.33965	1.09118	1.37034	1.83683	4.55301	2.50629	1.02286	1.09118	24.0069324	0.491080826	3.476E-05	0.09515	2.099622	0.34673	1.765978	1.80801875	26.99751
4287	479863.09	3856877.25	3.91176	1.22266	2.15463	1.92236	8.30444	2.69415	1.25121	1.22266	40.1382078	0.550252829	5.466E-05	0.099581	3.829595	0.37272	2.160227	2.0258731	45.12477
4288	480363.09	3856877.25	5.43297	1.41087	3.34671	2.27085	13.16718	3.4666	1.17191	1.41087	55.747203	0.634955923	8.49E-05	0.117633	6.07205	0.47959	2.023314	2.3377256	62.7371
4289	480863.09	3856877.25	5.6866	2.07839	6.31436	3.48206	15.31973	4.44842	1.55769	2.07839	58.349677	0.935370404	0.0001602	0.180376	7.064699	0.61542	2.689368	3.44376555	66.3913
4290	481363.09	3856877.25	5.67237	2.1069	9.19481	3.26822	14.45947	5.83372	1.41458	2.1069	58.2036643	0.948201205	0.0002333	0.169298	6.66799	0.80707	2.442287	3.49100489	65.74774
4291	481863.09	3856877.25	5.99907	2.11193	9.23689	3.1402	15.55763	5.37687	1.3541	2.11193	61.5559028	0.950464935	0.0002343	0.162667	7.174407	0.74386	2.337867	3.49933929	69.42607
4292	482363.09	3856877.25	6.47956	2.21979	10.33674	3.41085	15.87438	4.68274	1.77763	2.21979	66.4861663	0.99900686	0.0002622	0.176687	7.320476	0.64783	3.069096	3.67805674	75.02147
4293	482863.09	3856877.25	7.73155	2.20176	12.36726	3.54363	18.7488	4.21296	1.77887	2.20176	79.33272	0.990892537	0.0003137	0.183565	8.646016	0.58284	3.071237	3.64818213	89.1594
4294	483363.09	3856877.25	10.01067	2.49952	13.02842	3.86237	22.45479	5.12515	2.24353	2.49952	102.71856	1.124898133	0.0003305	0.200076	10.35503	0.70904	3.873477	4.1415523	114.8399
4295	483863.09	3856877.25	13.32238	3.12103	12.13544	4.22172	26.87847	5.79893	2.34547	3.12103	136.69971	1.404606013	0.0003078	0.218691	12.39502	0.80225	4.049478	5.17135649	150.3987
4296	484363.09	3856877.25	16.27782	3.96329	19.63436	4.38501	32.19133	7.21101	2.096	3.96329	167.025207	1.783661472	0.0004981	0.22715	14.84504	0.99761	3.618765	6.56692997	181.931
4297	484863.09	3856877.25	17.30188	5.39568	12.65516	4.09304	37.73686	17.05929	2.41009	5.39568	177.532992	2.428302378	0.000321	0.212025	17.40237	2.36007	4.161045	8.9403129	195.1568
4298	485363.09	3856877.25	15.63662	12.90691	24.1551	3.88997	46.28677	9.4291	3.86817	12.90691	160.445913	5.808698857	0.0006128	0.201506	21.34516	1.30447	6.678435	21.3859632	174.3988
4299	485863.09	3856877.25	13.5013	7.62073	17.68471	5.51339	58.41682	6.96028	6.09167	7.62073	138.535591	3.429676479	0.0004486	0.285601	26.93894	0.96292	10.51733	12.6270851	168.0434
4300	486363.09	3856877.25	12.01223	3.16419	12.35535	9.63911	88.78914	5.55126	7.59148	3.16419	123.256382	1.424029984	0.0003134	0.499319	40.94514	0.76799	13.10677	5.24286998	174.7571
4301	486863.09	3856877.25	12.67965	1.78274	10.18174	20.51261	119.6319	20.57353	10.2463	1.78274	130.104717	0.802314404	0.0002583	1.062582	55.1683	2.84625	17.69034	2.95389152	204.7209
4302	487363.09	3856877.25	8.75722	1.80287	8.9403	12.66615	148.8266	6.52799	5.40283	1.80287	89.857025	0.811373823	0.0002268	0.656124	68.63142	0.90312	9.328041	2.98724571	167.2001
4303	487863.09	3856877.25	7.20178	1.88689	8.06674	7.25196	136.288	5.16422	4.03467	1.88689	73.896799	0.849186659	0.0002046	0.375662	62.84924	0.71444	6.965899	3.12646173	142.525

4304	488363.09	3856877.25	6.24445	1.96744	12.80145	6.07242	81.80034	6.60333	2.94938	1.96744
4305	488863.09	3856877.25	5.6353	1.97998	10.36936	8.54245	62.95789	4.24202	2.51664	1.97998
4306	489363.09	3856877.25	5.16635	2.17285	9.85376	4.05903	52.5131	3.60477	2.37105	2.17285
4307	489863.09	3856877.25	4.85686	2.11416	5.9931	3.3769	45.34442	4.26098	2.20407	2.11416
4308	490363.09	3856877.25	4.66817	2.06874	6.43824	4.21724	38.58323	3.37389	2.11222	2.06874
4309	490863.09	3856877.25	4.46776	1.70067	5.24607	3.93746	31.68128	2.52398	1.73284	1.70067
4310	491363.09	3856877.25	4.27401	1.15469	4.75607	6.35317	27.71595	1.92682	1.17677	1.15469
4311	491863.09	3856877.25	4.10009	1.05072	3.43075	44.52045	27.19115	1.81212	1.04797	1.05072
4312	492363.09	3856877.25	4.06412	0.90089	2.20744	12.31821	26.31787	1.66196	1.19079	0.90089
4313	492863.09	3856877.25	3.87728	1.00056	1.97446	3.68646	25.57556	1.32287	1.01157	1.00056
4314	493363.09	3856877.25	3.74905	1.01142	1.1824	2.5258	12.45813	0.90899	1.02101	1.01142
4315	493863.09	3856877.25	1.84987	0.53649	0.99181	2.08968	12.12023	0.90294	0.54049	0.53649
4316	494363.09	3856877.25	1.83597	0.51392	0.8234	1.63052	11.7555	0.90589	0.46982	0.51392
4317	494863.09	3856877.25	1.82433	0.51228	0.90924	1.57332	11.37421	0.9141	0.46557	0.51228
4318	495363.09	3856877.25	1.81472	0.51071	1.03009	1.52791	10.98174	0.92784	0.46138	0.51071
4319	495863.09	3856877.25	1.80709	0.50917	0.73262	1.49064	10.58423	0.94336	0.45726	0.50917
4320	496363.09	3856877.25	1.80121	0.50763	0.67041	1.45926	10.19079	0.95998	0.45318	0.50763
4321	496863.09	3856877.25	1.79695	0.50606	0.73092	1.43246	9.80497	0.97674	0.44916	0.50606
4322	497363.09	3856877.25	1.79401	0.50444	0.80649	1.40954	9.4278	0.99869	0.44519	0.50444
4323	497863.09	3856877.25	1.79201	0.50277	0.84078	1.39022	9.06007	2.876	0.44128	0.50277
4324	498363.09	3856877.25	1.79087	0.53805	0.86792	1.37447	8.70376	3.6471	0.5409	0.53805
4325	471363.09	3857377.25	1.99955	0.79197	1.1224	0.95337	3.11369	1.18167	0.80472	0.79197
4326	471863.09	3857377.25	2.12215	0.78111	0.96856	0.9273	3.178	1.1353	0.79316	0.78111
4327	472363.09	3857377.25	2.25794	0.77657	0.93091	0.93171	3.24719	1.1398	0.78908	0.77657
4328	472863.09	3857377.25	2.39799	0.79973	1.02534	0.94967	3.33054	1.16465	0.8136	0.79973
4329	473363.09	3857377.25	2.54049	0.83959	1.28737	1.01326	3.44132	1.24701	0.85329	0.83959
4330	473863.09	3857377.25	2.68039	0.85042	1.8435	1.17467	3.55266	1.3587	0.86403	0.85042
4331	474363.09	3857377.25	2.74839	0.76922	1.59727	0.99774	3.71424	1.08002	0.78239	0.76922
4332	474863.09	3857377.25	2.24495	0.69847	0.89706	0.91057	3.80038	0.97018	0.70479	0.69847
4333	475363.09	3857377.25	1.50343	0.81741	0.8094	0.90856	3.70198	0.70708	0.82404	0.81741
4334	475863.09	3857377.25	1.19993	1.01953	0.83268	0.8282	3.79231	0.68589	1.02723	1.01953
4335	476363.09	3857377.25	1.76276	1.2166	1.25267	0.91463	4.05274	0.96226	1.22497	1.2166
4336	476863.09	3857377.25	1.84897	1.37687	1.33439	0.91551	4.20361	0.95631	1.38535	1.37687
4337	477363.09	3857377.25	1.88925	1.47498	1.28307	0.91349	4.1904	0.79819	1.48291	1.47498
4338	477863.09	3857377.25	1.27126	1.49746	1.15535	0.59967	4.20963	0.93327	1.50441	1.49746
4339	478363.09	3857377.25	1.11385	1.44723	1.14682	0.59099	3.29914	1.17192	1.45295	1.44723
4340	478863.09	3857377.25	1.23386	1.34741	0.93869	0.65252	3.08935	1.45487	1.35175	1.34741
4341	479363.09	3857377.25	1.37256	1.23631	1.20624	0.82845	4.58145	1.73812	1.2388	1.23631
4342	479863.09	3857377.25	3.32879	1.15707	1.39581	1.09119	5.70386	1.98718	1.17926	1.15707
4343	480363.09	3857377.25	3.26507	1.1159	1.55555	1.41575	5.63445	2.20009	1.10728	1.1159
4344	480863.09	3857377.25	5.69752	1.94099	7.74416	3.5216	7.81103	4.19	1.89066	1.94099
4345	481363.09	3857377.25	6.12801	2.08573	5.70707	4.00629	8.57186	4.52113	1.97271	2.08573
4346	481863.09	3857377.25	6.00613	2.24553	7.53025	4.18406	10.81304	5.59164	2.02904	2.24553
4347	482363.09	3857377.25	5.67275	2.31117	7.57896	4.1488	12.18564	6.12769	1.92474	2.31117
4348	482863.09	3857377.25	5.86234	2.36736	9.46647	3.91972	13.7609	6.60026	1.77585	2.36736
4349	483363.09	3857377.25	5.91496	2.35156	10.50943	3.49471	15.96423	6.6643	1.82752	2.35156
4350	483863.09	3857377.25	6.84578	2.53654	13.58297	3.74166	18.63546	6.10751	2.01595	2.53654
4351	484363.09	3857377.25	13.44527	2.52978	9.87099	3.93206	22.35049	5.87944	2.3912	2.52978
4352	484863.09	3857377.25	14.77798	3.67588	11.26882	4.07258	28.34154	8.51684	2.77726	3.67588
4353	485363.09	3857377.25	17.96211	5.25526	12.53469	4.38659	40.20994	14.77115	2.68666	5.25526
4354	485863.09	3857377.25	16.33928	8.66252	16.28283	4.64297	52.99673	15.88791	3.20334	8.66252
4355	486363.09	3857377.25	14.21553	12.25807	18.65221	5.97801	69.83818	6.6294	5.28676	12.25807
4356	486863.09	3857377.25	12.56061	4.43618	18.12424	10.02888	104.8888	5.64283	8.42663	4.43618
4357	487363.09	3857377.25	13.15277	2.53159	9.48726	19.46132	126.9953	12.87677	10.9799	2.53159
4358	487863.09	3857377.25	8.72153	2.25681	15.4439	13.38412	180.7454	8.50175	4.91127	2.25681
4359	488363.09	3857377.25	7.13012	2.02141	14.5431	8.40508	122.575	5.3418	3.76984	2.02141
4360	488863.09	3857377.25	6.21782	2.04946	9.88233	11.07968	86.25454	6.57174	3.03818	2.04946
4361	489363.09	3857377.25	5.63689	1.61575	11.27788	5.41986	71.03444	6.16021	2.41928	1.61575
4362	489863.09	3857377.25	5.30839	1.76236	9.33334	9.91663	60.49796	4.21899	2.15334	1.76236

64.0737243	0.885437837	0.0003247	0.31456	37.72226	0.91354	5.092134	3.25992817	105.742
57.8232925	0.89108141	0.000263	0.442511	29.03305	0.58686	4.345004	3.28070618	89.84136
53.0114399	0.977881717	0.00025	0.210263	24.21643	0.4987	4.093642	3.60028002	79.40833
49.8357916	0.951468537	0.000152	0.174928	20.9106	0.58949	3.805349	3.50303426	72.76474
47.8996609	0.931027463	0.0001633	0.218459	17.79267	0.46676	3.646769	3.42777609	67.52774
45.8432724	0.765379156	0.0001331	0.203966	14.60983	0.34918	2.991766	2.81790654	61.94562
43.8552216	0.519663226	0.0001207	0.329103	12.78122	0.26657	2.031705	1.91325095	57.87035
42.0706445	0.472871978	8.703E-05	2.306221	12.53921	0.2507	1.809331	1.740979	57.70808
41.7015597	0.405441637	5.6E-05	0.6381	12.1365	0.22992	2.055911	1.49271982	55.67477
39.7844117	0.450297688	5.009E-05	0.190964	11.79418	0.18301	1.746486	1.65786694	52.49153
38.4686555	0.455185184	2.999E-05	0.13084	5.745071	0.12575	1.762784	1.6758613	45.01246
18.9813451	0.241444997	2.516E-05	0.108248	5.589248	0.12492	0.933161	0.88893123	25.08946
18.8387185	0.231287467	2.089E-05	0.084463	5.421053	0.12533	0.811149	0.85153412	24.66048
18.7192815	0.230549392	2.307E-05	0.0815	5.245221	0.12646	0.803811	0.84881674	24.35803
18.6206742	0.22984282	2.613E-05	0.079148	5.064233	0.12836	0.796577	0.84621534	24.07265
18.5423835	0.22914975	1.858E-05	0.077217	4.880921	0.13051	0.789464	0.84366366	23.806
18.4820493	0.228456679	1.701E-05	0.075592	4.699486	0.13281	0.78242	0.84111197	23.55972
18.4383379	0.227750108	1.854E-05	0.074203	4.521565	0.13513	0.775479	0.83851058	23.33397
18.4081708	0.227021034	2.046E-05	0.073016	4.347633	0.13816	0.768625	0.83582633	23.12682
18.387649	0.226269458	2.133E-05	0.072015	4.178055	0.39788	0.761874	0.83305925	23.19071
18.3759515	0.242147068	2.202E-05	0.071199	4.013742	0.50456	0.933869	0.89151606	23.24997
20.5171977	0.356422663	2.847E-05	0.049386	1.435879	0.16348	1.389357	1.31224602	22.5995
21.775185	0.351535167	2.457E-05	0.048035	1.465536	0.15706	1.369399	1.29425166	23.87253
23.1685137	0.34949196	2.362E-05	0.048264	1.497443	0.15769	1.362355	1.28672916	25.29705
24.6055538	0.359915017	2.601E-05	0.049194	1.53588	0.16112	1.404689	1.32510387	26.79128
26.0677331	0.377853837	3.266E-05	0.052488	1.586966	0.17252	1.473214	1.39114946	28.33966
27.5032341	0.382727832	4.677E-05	0.06085	1.63831	0.18797	1.491757	1.40909411	29.8558
28.2009758	0.346184124	4.052E-05	0.051684	1.712823	0.14942	1.350804	1.27455066	30.53738
23.0352245	0.314343394	2.276E-05	0.047169	1.752547	0.13422	1.216827	1.15732222	25.34303
15.4265563	0.367871825	2.053E-05	0.047065	1.707169	0.09782	1.422713	1.35439855	17.71482
12.3123708	0.458835054	2.112E-05	0.042902	1.748825	0.09489	1.773523	1.68929907	14.74207
18.0875174	0.547525553	3.178E-05	0.047379	1.868923	0.13312	2.114923	2.01583205	20.78359
18.9721103	0.619654371	3.385E-05	0.047425	1.938496	0.1323	2.391821	2.28138967	21.82045
19.3854196	0.663808351	3.255E-05	0.04732	1.932404	0.11043	2.560259	2.44395196	22.25572
13.0442814	0.673925377	2.931E-05	0.031064	1.941272	0.12911	2.597379	2.48119995	15.93586
11.4291119	0.651319584	2.909E-05	0.030614	1.5214	0.16213	2.508533	2.3979719	13.90516
12.6605234	0.606396026	2.381E-05	0.033801	1.424655	0.20127	2.33381	2.23257625	15.02791
14.0837113	0.556395953	3.06E-05	0.042915	2.112737	0.24046	2.138801	2.04849032	17.12656
34.1564065	0.520734334	3.541E-05	0.056525	2.630337	0.27492	2.036004	1.91719447	37.75777
33.5025815	0.502205954	3.946E-05	0.073338	2.598329	0.30437	1.91173	1.84897829	37.04362
58.4617261	0.87353413	0.0001965	0.182424	3.602059	0.57967	3.264244	3.21610213	63.74775
62.8789442	0.938673739	0.0001448	0.207531	3.952916	0.62548	3.405904	3.45592749	68.55366
61.6283448	1.010591036	0.000191	0.21674	4.986437	0.77358	3.503158	3.72070635	68.39833
58.2075634	1.040132033	0.0001923	0.214914	5.619412	0.84774	3.323083	3.82946783	65.42356
60.1529289	1.065420099	0.0002401	0.203047	6.345844	0.91311	3.066023	3.92257123	67.82405
60.6928579	1.058309377	0.0002666	0.181031	7.36191	0.92197	3.155232	3.8963916	69.47519
70.2439159	1.141558824	0.0003446	0.193823	8.593749	0.84494	3.480558	4.20289218	80.296
137.960673	1.138516515	0.0002504	0.203686	10.30694	0.81339	4.128431	4.19169127	150.3602
151.635487	1.654313848	0.0002859	0.210965	13.06971	1.17826	4.794968	6.09070912	166.4533
184.307551	2.365106966	0.000318	0.227231	18.54283	2.04352	4.638546	8.70764552	203.4175
167.655842	3.898529549	0.0004131	0.240512	24.43946	2.19801	5.530599	14.3532677	189.6101
145.864239	5.516691229	0.0004732	0.309669	32.2059	0.91715	9.127645	20.3108749	173.6309
128.883258	1.996483565	0.0004598	0.51951	48.36953	0.78066	14.54866	7.35047988	187.7481
134.959357	1.139331098	0.0002407	1.008124	58.56395	1.78144	18.95691	4.19469033	212.2147
89.4908132	1.015667551	0.0003918	0.693316	83.35079	1.17618	8.479357	3.73939662	180.4671
73.1615023	0.909726802	0.0003689	0.435395	56.52548	0.73901	6.508667	3.34935317	134.9308
63.8004763	0.922350583	0.0002507	0.573943	39.77631	0.90917	5.245449	3.39583031	107.8321
57.8396073	0.727161279	0.0002861	0.280756	32.75756	0.85223	4.176911	2.67719927	93.95732
54.4688992	0.793142473	0.0002368	0.513695	27.89866	0.58368	3.717763	2.92012311	85.05595

4363	490363.09	3857377.25	5.08494	1.97429	7.1886	5.9744	49.77743	3.5406	2.14371	1.97429	52.1760994	0.88852065	0.0001824	0.309482	22.95488	0.48982	3.701137	3.2712782	77.24885
4364	490863.09	3857377.25	4.88348	1.9825	7.12408	6.75399	42.29111	3.30977	2.05763	1.9825	50.1089369	0.892215525	0.0001807	0.349866	19.50256	0.45789	3.552519	3.28488167	71.57929
4365	491363.09	3857377.25	4.68977	1.86834	5.63097	12.05525	35.75996	2.88673	1.90532	1.86834	48.1212965	0.840838312	0.0001428	0.624479	16.49072	0.39936	3.289554	3.09572551	66.67067
4366	491863.09	3857377.25	4.60721	1.59605	5.14512	12.19513	32.77908	2.31306	1.61827	1.59605	47.274156	0.718295379	0.0001305	0.631725	15.11608	0.32	2.79396	2.64455757	64.20979
4367	492363.09	3857377.25	4.40567	0.92882	2.35961	4.18066	16.13827	1.61407	1.00349	0.92882	45.2061727	0.418011412	5.986E-05	0.216564	7.442169	0.2233	1.732536	1.53899813	53.69981
4368	492863.09	3857377.25	3.29289	0.90126	1.9798	1.98748	7.42119	1.24414	0.90966	0.90126	33.7880399	0.405608153	5.022E-05	0.102954	3.422284	0.17212	1.570537	1.49333289	37.96826
4369	493363.09	3857377.25	2.25669	0.83471	1.32042	1.49665	6.93121	1.28107	0.84122	0.83471	23.1556875	0.375657615	3.35E-05	0.077529	3.19633	0.17723	1.452375	1.3830636	27.05178
4370	493863.09	3857377.25	1.65881	0.69546	1.35528	1.47997	6.49179	1.31473	0.70106	0.69546	17.0208961	0.312988756	3.438E-05	0.076665	2.993691	0.18189	1.210387	1.15233483	20.64421
4371	494363.09	3857377.25	1.67451	0.57234	1.37003	1.41848	6.09694	1.34469	0.47449	0.57234	17.1819923	0.257579134	3.475E-05	0.073479	2.811606	0.18603	0.819212	0.9483325	20.3816
4372	494863.09	3857377.25	1.68883	0.56971	1.31253	1.41185	5.73962	1.372	0.47012	0.56971	17.3289285	0.256395514	3.33E-05	0.073136	2.646828	0.18981	0.811667	0.94397475	20.36282
4373	495363.09	3857377.25	1.70124	0.56693	1.30782	1.41402	5.41553	1.39566	0.46583	0.56693	17.4562664	0.255144387	3.318E-05	0.073248	2.497374	0.19308	0.80426	0.93936846	20.34004
4374	495863.09	3857377.25	1.71228	0.564	1.30148	1.4266	5.12201	1.41773	0.46163	0.564	17.5695468	0.253825753	3.302E-05	0.0739	2.362017	0.19614	0.797009	0.93451362	20.31795
4375	496363.09	3857377.25	1.72165	0.56095	1.33854	1.44949	4.85372	1.4385	0.45752	0.56095	17.6656915	0.252453114	3.396E-05	0.075086	2.238295	0.19901	0.789913	0.92945996	20.29102
4376	496863.09	3857377.25	1.72996	0.5578	1.32106	1.48099	4.60826	1.45648	0.51732	0.5578	17.7509597	0.25103547	3.351E-05	0.076717	2.125101	0.2015	0.893158	0.9242406	20.37426
4377	497363.09	3857377.25	1.73697	0.55456	1.29919	1.51837	4.38278	2.65214	0.54137	0.55456	17.8228886	0.249577322	3.296E-05	0.078654	2.021121	0.36691	0.934681	0.91887212	20.55499
4378	497863.09	3857377.25	1.74321	0.55125	1.27598	1.55862	4.17487	4.82409	0.49071	0.55125	17.8869167	0.248087671	3.237E-05	0.080739	1.925243	0.66739	0.847216	0.91338765	20.74224
4379	498363.09	3857377.25	1.74848	0.59042	1.25058	1.59893	3.98304	4.11722	0.59561	0.59042	17.9409917	0.26571596	3.172E-05	0.082827	1.83678	0.5696	1.028327	0.97828995	20.74598
4380	471363.09	3857877.25	2.31216	0.78816	1.0964	0.99567	2.76538	1.01623	0.80096	0.78816	23.7248601	0.354707989	2.781E-05	0.051577	1.275256	0.14059	1.382866	1.30593308	25.62395
4381	471863.09	3857877.25	2.40075	0.78231	1.32388	1.01507	2.78311	1.05818	0.79532	0.78231	24.6338739	0.352075222	3.358E-05	0.052582	1.283432	0.14639	1.373128	1.29623999	26.54528
4382	472363.09	3857877.25	2.49891	0.78129	1.48927	1.06123	2.80072	1.13361	0.79428	0.78129	25.6410845	0.351616175	3.778E-05	0.054973	1.291553	0.15683	1.371332	1.29454991	27.57288
4383	472863.09	3857877.25	2.61722	0.81379	1.4921	1.15198	2.82103	1.27399	0.82722	0.81379	26.8550525	0.366242659	3.785E-05	0.059674	1.300919	0.17625	1.428204	1.34840043	28.83798
4384	473363.09	3857877.25	2.72358	0.84269	1.27967	1.20233	2.83514	1.34196	0.85652	0.84269	27.9464027	0.379248979	3.246E-05	0.062282	1.307426	0.18565	1.47879	1.39628597	29.96355
4385	473863.09	3857877.25	2.86764	0.84087	1.3671	1.28675	2.98164	1.45902	0.85418	0.84087	29.424589	0.378429896	3.468E-05	0.066655	1.374984	0.20185	1.47475	1.39327034	31.52802
4386	474363.09	3857877.25	2.86708	0.75371	1.40929	1.13996	2.96904	1.15912	0.76669	0.75371	29.4188429	0.339203916	3.575E-05	0.059052	1.369174	0.16036	1.323698	1.24885153	31.42151
4387	474863.09	3857877.25	2.22477	0.68225	1.15931	0.90187	2.82506	1.07096	0.68807	0.68225	22.8281593	0.307043653	2.941E-05	0.046718	1.302777	0.14816	1.18796	1.13044667	24.6904
4388	475363.09	3857877.25	1.26961	0.36354	0.86045	0.65068	2.7998	0.65008	0.36565	0.36354	13.0273509	0.1636096	2.183E-05	0.033706	1.291129	0.08994	0.631298	0.60236362	14.63469
4389	475863.09	3857877.25	0.94666	0.37402	0.51784	0.45858	2.00834	0.59075	0.37626	0.37402	9.71359077	0.168326079	1.314E-05	0.023755	0.926147	0.08173	0.649617	0.61972834	10.94345
4390	476363.09	3857877.25	1.31069	0.43696	1.05994	0.70474	2.78594	0.67111	0.44105	0.43696	13.448869	0.196651953	2.689E-05	0.036507	1.284737	0.09284	0.761477	0.72401609	15.0971
4391	476863.09	3857877.25	1.96071	0.61392	1.18084	0.93497	2.83595	0.78998	0.61946	0.61392	20.1186641	0.276292033	2.996E-05	0.048433	1.307799	0.10929	1.069504	1.01722802	21.91278
4392	477363.09	3857877.25	1.99799	0.82728	1.38744	0.94233	3.08344	0.79143	0.83433	0.82728	20.5011907	0.372313775	3.52E-05	0.048814	1.421929	0.10949	1.440479	1.37075254	22.5235
4393	477863.09	3857877.25	1.36896	1.06319	1.66658	0.76174	3.34452	0.71436	1.07153	1.06319	14.046772	0.478484047	4.228E-05	0.039459	1.542327	0.09883	1.850007	1.76164103	16.29428
4394	478363.09	3857877.25	1.04305	1.29476	0.74801	0.59057	2.77846	0.68182	1.30389	1.29476	10.7026396	0.582701121	1.898E-05	0.030592	1.281288	0.09433	2.251179	2.14533841	12.79741
4395	478863.09	3857877.25	1.06962	1.48464	0.64907	0.49527	2.13234	0.64631	1.49379	1.48464	10.975272	0.668155792	1.647E-05	0.025656	0.983329	0.08941	2.579044	2.45995799	12.86093
4396	479363.09	3857877.25	3.22889	1.60086	1.68956	1.01203	5.99653	1.18166	1.61045	1.60086	33.1313419	0.720460099	4.286E-05	0.052425	2.765302	0.16348	2.780458	2.65252745	36.96098
4397	479863.09	3857877.25	4.39185	1.61888	3.29459	1.93738	12.68675	1.54659	1.62943	1.61888	45.0643669	0.728569921	8.358E-05	0.100359	5.850499	0.21396	2.813227	2.68238549	52.08868
4398	480363.09	3857877.25	4.26104	1.60087	6.24113	2.20233	14.85638	2.06	1.6081	1.60087	43.7221376	0.720464599	0.0001583	0.114084	6.851025	0.28499	2.776401	2.65254402	51.81672
4399	480863.09	3857877.25	4.16303	1.53453	4.56922	2.28104	16.17194	2.18756	1.53943	1.53453	42.7164661	0.69060857	0.0001159	0.118161	7.457696	0.30264	2.657842	2.54262268	51.4009
4400	481363.09	3857877.25	4.31244	1.54297	6.24377	2.3571	17.29395	3.09902	1.54925	1.54297	44.2495483	0.694406955	0.0001584	0.122101	7.975111	0.42873	2.674796	2.55660725	53.58825
4401	481863.09	3857877.25	4.3503	1.83693	6.90577	2.45604	18.79482	4.14547	1.85986	1.83693	44.6380262	0.826702378	0.0001752	0.127226	8.667238	0.57351	3.211067	3.04368105	55.00026
4402	482363.09	3857877.25	4.31746	2.1288	8.16352	3.02924	22.40527	4.65733	2.12526	2.1288	44.301058	0.958057205	0.0002071	0.156919	10.3322	0.64432	3.669283	3.52729185	56.53475
4403	482863.09	3857877.25	4.47942	2.44294	8.70778	4.03107	24.7664	5.32067	2.39847	2.44294	45.9629146	1.09943455	0.0002209	0.208815	11.42103	0.73609	4.140983	4.04780269	59.52169
4404	483363.09	3857877.25	4.61487	2.49062	9.04972	4.56161	28.5312	5.85474	2.3825	2.49062	47.3527545	1.120892727	0.0002296	0.236298	13.15717	0.80997	4.11341	4.12680554	62.66393
4405	483863.09	3857877.25	4.09623	2.48508	8.79762	4.66646	31.74537	6.59089	2.263	2.48508	42.0310374	1.118399474	0.0002232	0.241729	14.63939	0.91182	3.907092	4.1176261	58.73206
4406	484363.09	3857877.25	6.97364	2.4089	9.22509	4.29078	33.55239	7.67378	2.00791	2.4089	71.5558755	1.084114995	0.000234	0.222268	15.4727	1.06163	3.466677	3.99140048	88.8721
4407	484863.09	3857877.25	10.79566	2.68156	8.30575	3.98529	34.19773	9.24387	2.16613	2.68156	110.773269	1.206824446	0.0002107	0.206444	15.7703	1.27884	3.739845	4.44318148	128.5326
4408	485363.09	3857877.25	12.40074	3.3977	10.88823	4.59992	33.60434	11.89435	2.43481	3.3977	127.242847	1.529120146	0.0002762	0.238282	15.49665	1.64553	4.203724	5.62978181	144.7266
4409	485863.09	3857877.25	14.56794	4.95197	12.08422	5.37547	37.1789	18.33354	3.20745	4.95197	149.480286	2.228612617	0.0003066	0.278457	17.14506	2.53636	5.537695	8.20511247	169.0017
4410	486363.09	3857877.25	17.06837	7.15106	15.79132	6.43136	40.57225	18.21383	3.56206	7.15106	175.136967	3.218303532	0.0004006	0.333153	18.70991	2.51979	6.149933	11.8488706	194.2196
4411	486863.09	3857877.25	14.75318	18.62202	35.53205	7.82409	50.70301	9.62914	4.77495	18.62202	151.381016	8.380759321	0.0009014	0.405299	23.38171	1.33214	8.244	30.8555521	162.2703
4412	487363.09	3857877.25	12.78739	6.91361	47.48719	10.27473	62.81997	7.63056	8.97865	6.91361	131.210227	3.11144019	0.0012046	0.532245	28.96945	1.05565	15.50173	11.4554304	168.9265
4413	487863.09	3857877.25	13.52918	4.02804	35.87625	21.30052	91.03465	15.13128	11.8247	4.02804	138.821666	1.812801929	0.0009101	1.103397	41.98066	2.09334	20.41548	6.67421678	199.554
4414	488363.09	3857877.25	8.7697	3.07324	23.02664	16.29316	151.5275	11.87761	4.55813	3.07324	89.9850812	1.383098331	0.0005841	0.844008	69.87694	1.64321	7.869658	5.09217137	166.5104
4415	488863.09	3857877.25	6.80213	2.3617	15.7926	12.89878	90.8364	8.40487	3.44567	2.3617	69.7960272	1.06287284	0.0004006	0.668175	41.88924	1.16277	5.948984	3.91319296	116.6153
4416	489363.09	3857877.25	6.99517	2.46261	12.60207	8.15494	51.95642	6.58096	2.98936	2.46261	71.7767928	1.108286948	0.0003197	0.422437	23.95972	0.91044	5.16116	4.08039468	99.25877
4417	489863.09	3857877.25	5.35338	1.70686	9.74031	9.40174	53.21063	5.23807	2.51471	1.70686	54.9305374	0.768164939	0.0002471	0.487023	24.5381	0.72466	4.341672	2.82816299	82.96224
4418	490363.09	3857877.25	4.90754	1.48293	8.1018	11.974	46.94217	4.38044	2.14814	1.48293	50.3558144	0.667386214	0.0002055	0.62027	21.6474	0.60601	3.708785	2.45712463	75.14875
4419	490863.09	3857877.25	4.62542	1.7479	6.43603	11.62464	36.94282	4.14978	2.0721	1.7479	47.4610071	0.786634813	0.0001633	0.602173	17.03619	0.5741	3.577502	2.89616377	67.14161
4420	491363.09	3857877.25	4.67096	1.96821	7.67091	25.95012	31.82069	4.08604	2.10203	1.96821	47.9282888	0.885784373	0.0001946	1.344252	14.67412	0.56528	3.629176	3.26120401	65.7659
4421	491863.09	3857877.25	4.73228	2.16263	4.98336	7.09688	27.05121	4.01652	2.20886	2.16263	48.5574877	0.97328225	0.0001264	0.367628	12.47468	0.55567	3.813619	3.5833461	63.15914

4422	492363.09	3857877.25	4.15559	2.35588	3.16083	3.23207	11.32038	2.00621	2.37448	2.35588	42.6401249	1.060253574	8.018E-05	0.167426	5.220397	0.27755	4.099564	3.90354957	49.56185
4423	492863.09	3857877.25	3.63679	1.05627	2.09247	2.31953	8.43279	1.96731	1.06156	1.05627	37.3167661	0.475369732	5.308E-05	0.120155	3.888784	0.27217	1.832794	1.75017501	42.15591
4424	493363.09	3857877.25	2.65744	0.83373	1.92978	2.00716	6.29204	1.93994	0.84748	0.83373	27.2677462	0.37521657	4.895E-05	0.103974	2.901577	0.26838	1.463183	1.3814398	30.99869
4425	493863.09	3857877.25	2.57687	0.85928	1.79011	2.19744	6.22866	1.91101	0.86847	0.85928	26.4410249	0.386715237	4.541E-05	0.11383	2.872349	0.26438	1.499422	1.42377459	30.15399
4426	494363.09	3857877.25	2.49496	0.8045	1.67086	2.3387	4.14851	1.88163	0.81163	0.8045	25.600554	0.362061735	4.239E-05	0.121148	1.913087	0.26031	1.401287	1.33300747	28.32549
4427	494863.09	3857877.25	1.79482	0.6313	1.56686	2.426	3.78217	1.84606	0.63672	0.6313	18.4164821	0.284113826	3.975E-05	0.12567	1.744149	0.25539	1.099304	1.04602562	20.87913
4428	495363.09	3857877.25	1.79286	0.60855	1.47981	2.4667	2.85259	1.96497	0.49729	0.60855	18.3963708	0.273875288	3.754E-05	0.127779	1.315473	0.27184	0.858576	1.00833026	20.23562
4429	495863.09	3857877.25	1.79122	0.60339	1.40593	2.47159	2.73393	2.58423	0.47007	0.60339	18.3795429	0.271553052	3.567E-05	0.128032	1.260753	0.35752	0.811581	0.99978045	20.20923
4430	496363.09	3857877.25	1.78977	0.59829	1.34534	2.45088	2.92357	4.49523	0.46713	0.59829	18.3646646	0.269257819	3.413E-05	0.126959	1.348205	0.62189	0.806505	0.99133006	20.54619
4431	496863.09	3857877.25	1.78839	0.59325	1.29455	2.41283	2.6776	14.04347	0.5039	0.59325	18.3505045	0.266989589	3.284E-05	0.124988	1.234776	1.94285	0.869988	0.98297909	21.80715
4432	497363.09	3857877.25	1.78696	0.58828	1.2529	2.36372	2.45091	14.69341	0.53183	0.58828	18.3358314	0.264752862	3.178E-05	0.122444	1.130238	2.03276	0.91821	0.97474411	21.82953
4433	497863.09	3857877.25	1.81228	0.79071	1.22069	2.30809	4.45986	3.33091	0.79516	0.79071	18.5956376	0.355855605	3.097E-05	0.119562	2.056666	0.46082	1.372852	1.31015828	21.65126
4434	498363.09	3857877.25	3.57321	0.84237	1.19201	2.24994	4.31022	2.89968	0.84719	0.84237	36.6643776	0.379104964	3.024E-05	0.11655	1.98766	0.40116	1.462682	1.39575575	39.61581
4435	471363.09	3858377.25	2.47555	0.77208	1.17698	0.87096	5.24614	0.95414	0.7845	0.77208	25.4013897	0.347471255	2.986E-05	0.045117	2.419259	0.132	1.354447	1.2792895	28.42043
4436	471863.09	3858377.25	2.55681	0.77802	1.08994	0.87878	5.67999	0.96357	0.79044	0.77802	26.2351911	0.350144526	2.765E-05	0.045522	2.619329	0.13331	1.364703	1.28913172	29.45909
4437	472363.09	3858377.25	2.64121	0.78369	1.12683	0.87248	6.1029	0.97276	0.79636	0.78369	27.1012117	0.352696285	2.859E-05	0.045196	2.814355	0.13458	1.374924	1.29852656	30.52446
4438	472863.09	3858377.25	2.73592	0.8146	1.27971	0.8559	6.5924	0.98136	0.82801	0.8146	28.0730223	0.366607196	3.246E-05	0.044337	3.040088	0.13577	1.429568	1.34974255	31.73968
4439	473363.09	3858377.25	2.81431	0.84237	1.52138	0.86651	7.10118	1.03577	0.8532	0.84237	28.8773748	0.379104964	3.859E-05	0.044886	3.274712	0.14329	1.473058	1.39575575	32.79671
4440	473863.09	3858377.25	2.8962	0.8265	1.28994	0.87311	7.41756	0.99811	0.83972	0.8265	29.7176405	0.37196274	3.272E-05	0.045228	3.42061	0.13808	1.449785	1.36946013	33.77388
4441	474363.09	3858377.25	2.93378	0.7361	1.11605	0.87752	6.84415	1.00836	0.74783	0.7361	30.1032454	0.331278612	2.831E-05	0.045457	3.156182	0.1395	1.291136	1.21967284	33.84716
4442	474863.09	3858377.25	2.48449	0.68479	1.0077	0.88381	4.95997	1.01779	0.69092	0.68479	25.4931223	0.308186769	2.556E-05	0.045783	2.287292	0.14081	1.19288	1.13465529	28.33344
4443	475363.09	3858377.25	1.98255	0.36417	1.04294	0.88753	3.62674	0.73245	0.36629	0.36417	20.3427623	0.163893129	2.646E-05	0.045975	1.672472	0.10133	0.632403	0.60340749	22.35546
4444	475863.09	3858377.25	1.34361	0.37177	0.94042	0.67052	3.75986	0.62916	0.37401	0.37177	13.786658	0.167313476	2.386E-05	0.034734	1.733861	0.08704	0.645732	0.61600023	15.83936
4445	476363.09	3858377.25	1.34625	0.37564	0.8918	0.70157	3.89035	0.65209	0.37789	0.37564	13.8137468	0.169055153	2.262E-05	0.036342	1.794036	0.09021	0.652431	0.62241259	15.93343
4446	476863.09	3858377.25	1.33938	0.37746	0.76084	0.73012	3.99827	0.67456	0.37968	0.37746	13.7432544	0.169874236	1.93E-05	0.037821	1.843804	0.09332	0.655521	0.62542821	15.91819
4447	477363.09	3858377.25	1.31839	0.37922	0.7096	0.73308	4.07489	0.66072	0.38139	0.37922	13.5278779	0.170666316	1.8E-05	0.037975	1.879137	0.09141	0.658474	0.62834443	15.73721
4448	477863.09	3858377.25	2.21095	0.38187	1.01674	0.94212	4.12711	0.75277	0.38399	0.38187	22.6863536	0.171858937	2.579E-05	0.048803	1.903218	0.10414	0.662963	0.63273532	24.94463
4449	478363.09	3858377.25	2.24385	0.4	1.1453	0.95586	4.13029	0.77756	0.40389	0.4	23.0239375	0.180018265	2.905E-05	0.049515	1.904685	0.10757	0.69732	0.66277562	25.3003
4450	478863.09	3858377.25	1.17287	0.58805	0.95365	0.74713	2.21322	0.68748	0.59361	0.58805	12.0347107	0.264649352	2.419E-05	0.038702	1.020627	0.09511	1.024874	0.97436301	13.50433
4451	479363.09	3858377.25	2.66478	0.83447	2.23139	1.05915	6.52381	1.08904	0.8441	0.83447	27.3430613	0.375549604	5.661E-05	0.054865	3.008457	0.15066	1.457347	1.38266593	31.00733
4452	479863.09	3858377.25	3.55844	1.12498	4.5764	1.52869	18.24791	1.94613	1.13639	1.12498	36.512824	0.506292369	0.0001161	0.079188	8.41503	0.26924	1.961989	1.86402329	45.88065
4453	480363.09	3858377.25	3.56107	1.41437	3.54529	2.08561	21.31974	2.49027	1.42738	1.41437	36.5398101	0.636531083	8.994E-05	0.108038	9.831606	0.34452	2.464386	2.34352489	47.58145
4454	480863.09	3858377.25	3.56317	1.65321	4.18273	2.30559	23.64241	2.45153	1.66792	1.65321	36.561358	0.744019989	0.0001061	0.119433	10.90271	0.33916	2.879681	2.73926821	48.80719
4455	481363.09	3858377.25	3.54201	1.82007	5.60724	2.53564	24.84652	2.43892	1.8448	1.82007	36.3442372	0.819114608	0.0001422	0.13135	11.45798	0.33741	3.185066	3.01574506	49.25956
4456	481863.09	3858377.25	4.07123	1.85318	6.34155	2.62984	25.36623	2.58663	1.88806	1.85318	41.7745147	0.83401562	0.0001609	0.136229	11.69765	0.35785	3.259755	3.07060631	54.98956
4457	482363.09	3858377.25	4.36566	1.99336	8.12941	2.80602	23.57986	3.00272	1.99922	1.99336	44.7956338	0.897103021	0.0002062	0.145356	10.87386	0.41541	3.451674	3.30287603	57.27637
4458	482863.09	3858377.25	3.98569	2.2075	6.5603	3.08542	22.20392	3.50504	2.21395	2.2075	40.8967967	0.993475799	0.0001664	0.159829	10.23935	0.48491	3.822407	3.65769296	52.93923
4459	483363.09	3858377.25	3.40819	2.50452	7.58955	2.79183	19.95471	4.15811	2.50925	2.50452	34.9711226	1.127148362	0.0001925	0.144621	9.202122	0.57525	4.332246	4.14983699	46.20287
4460	483863.09	3858377.25	3.60956	2.32886	8.50453	2.91831	19.55866	4.56377	2.33224	2.32886	37.0373615	1.048093341	0.0002157	0.151173	9.019483	0.63138	4.026636	3.85877908	48.05556
4461	484363.09	3858377.25	4.30757	2.35111	9.51916	3.20955	24.28724	5.53806	2.34973	2.35111	44.1995776	1.058106857	0.0002415	0.166259	11.20007	0.76616	4.056833	3.89564597	57.5516
4462	484863.09	3858377.25	7.45694	2.4995	11.63297	4.2677	27.89396	6.94835	2.4813	2.4995	76.5149721	1.124889132	0.0002951	0.221073	12.86331	0.96127	4.28399	4.14151916	91.82828
4463	485363.09	3858377.25	9.62864	2.71471	11.89828	4.95781	27.11353	8.71792	2.51382	2.71471	98.7985851	1.221743459	0.0003018	0.256821	12.50341	1.20608	4.340136	4.49810901	113.829
4464	485863.09	3858377.25	10.75112	2.89493	16.70966	4.95851	24.5665	12.07378	2.34179	2.89493	110.316249	1.302850689	0.0004239	0.256858	11.32885	1.67035	4.043124	4.79672257	124.122
4465	486363.09	3858377.25	16.52683	4.56088	22.39363	4.46821	36.68965	21.66811	2.60051	4.56088	169.580275	2.052604259	0.0005681	0.23146	16.91945	2.99768	4.489807	7.55710018	188.7147
4466	486863.09	3858377.25	17.68286	5.94727	22.74485	5.20456	39.63505	21.85388	3.49125	5.94727	181.442192	2.676543065	0.000577	0.269603	18.27772	3.02338	6.027679	9.85426391	201.8634
4467	487363.09	3858377.25	15.26239	7.00604	18.22844	6.34519	27.61475	17.82222	4.87497	7.00604	156.605973	3.153037911	0.0004624	0.32869	12.73455	2.46562	8.416685	11.6085813	172.0964
4468	487863.09	3858377.25	13.13912	28.72454	31.98054	8.60369	42.81181	14.26759	8.26163	28.72454	134.819296	12.92735462	0.0008113	0.445683	19.74268	1.97385	14.26379	47.5948121	136.5787
4469	488363.09	3858377.25	13.99113	6.63004	19.35133	18.71415	119.9432	10.36746	15.2126	6.63004	143.561692	2.983820742	0.0004909	0.969419	55.31184	1.43429	26.26474	10.9855722	219.5407
4470	488863.09	3858377.25	10.89943	4.47983	15.87073	19.21507	57.70577	13.46981	4.84703	4.47983	111.838044	2.016128058	0.0004026	0.995367	26.61104	1.86348	8.368446	7.42280527	144.2701
4471	489363.09	3858377.25	7.03974	3.35317	15.1971	54.56915	53.97614	9.48618	3.43278	3.35317	72.2341215	1.509079613	0.0003855	2.826758	24.89112	1.31237	5.926729	5.55599832	103.1446
4472	489863.09	3858377.25	6.22223	2.7568	8.1474	39.91444	54.53019	7.42688	2.84287	2.7568	63.8457269	1.240685881	0.0002067	2.067624	25.14662	1.02747	4.908244	4.56784958	93.66873
4473	490363.09	3858377.25	5.81743	2.2333	11.55822	32.96343	36.97289	6.13111	2.50811	2.2333	59.6921116	1.005086977	0.0002932	1.707552	17.05006	0.84821	4.330277	3.70044198	80.93315
4474	490863.09	3858377.25	5.56165	1.86968	12.86546	32.30315	32.45816	5.1178	2.18961	1.86968	57.0675766	0.841441374	0.0003264	1.673348	14.96809	0.70802	3.780384	3.09794581	75.94125
4475	491363.09	3858377.25	5.38975	1.5171	8.26001	19.52043	31.15687	3.76335	2.12581	1.5171	55.3037266	0.682764274	0.0002095	1.011186	14.368	0.52064	3.670233	2.51374223	73.04302
4476	491863.09	3858377.25	5.11559	2.02416	6.21934	5.17783	26.32999	2.26839	2.17103	2.02416	52.4905962	0.910964427	0.0001578	0.268219	12.14208	0.31382	3.748305	3.35390975	66.52024
4477	492363.09	3858377.25	3.63177	2.3579	2.71013	2.42576	11.22628	1.76566	2.38079	2.3579	37.2652563	1.061162667	6.875E-05	0.125658	5.177003	0.24427	4.110458	3.90689659	44.07698
4478	492863.09	3858377.25	3.66926	2.27659	2.30551	2.2969	13.02832	1.72778	2.2977	2.27659	37.6499377	1.024569454	5.849E-05	0.118983	6.008014	0.23903	3.967002	3.77217087	45.23542
4479	493363.09	3858377.25	3.62451	1.87399	1.48276	2.14862	13.60416	1.68487	1.88688	1.87399	37.1907621	0.84338107	3.761E-05	0.111302	6.273563	0.23309	3.257717	3.10508721	44.80477
4480	493863.09	3858377.25	3.60661	1.016	1.66673	2.04266	13.16799	1.65423	1.0212	1.016	37.0070919	0.457246393	4.228E-05	0.105813	6.072423	0.22885	1.763112	1.68345008	43.95113

4481	494363.09	3858377.25	3.5829	0.80113	1.64254	1.95443	11.93036	1.62917	0.81806	0.80113
4482	494863.09	3858377.25	2.76569	0.82536	1.10407	1.88178	5.1283	1.83149	0.8356	0.82536
4483	495363.09	3858377.25	2.6925	0.77984	0.97425	1.82003	4.22256	2.64367	0.78611	0.77984
4484	495863.09	3858377.25	2.63137	0.67963	1.0237	1.76622	3.88614	3.58372	0.68593	0.67963
4485	496363.09	3858377.25	2.56255	0.61322	1.0541	1.71895	4.09055	9.84462	0.55523	0.61322
4486	496863.09	3858377.25	2.49918	0.65123	1.09821	1.67712	4.24871	4.76346	0.65701	0.65123
4487	497363.09	3858377.25	2.42409	0.94255	1.13842	1.63993	4.35542	2.43145	0.94942	0.94255
4488	497863.09	3858377.25	3.50553	1.19332	1.17047	1.65113	4.423	2.72391	1.20067	1.19332
4489	498363.09	3858377.25	3.52812	1.28575	1.90914	1.69294	7.34353	2.63393	1.29559	1.28575
4490	471363.09	3858877.25	2.46847	0.75882	1.04115	0.85451	6.95216	0.90781	0.77097	0.75882
4491	471863.09	3858877.25	2.55082	0.77057	0.93128	0.85902	7.17632	0.9147	0.78289	0.77057
4492	472363.09	3858877.25	2.55476	0.78433	1.06377	0.86514	7.42788	0.92094	0.79609	0.78433
4493	472863.09	3858877.25	2.58842	0.81984	1.69476	0.87074	7.54256	0.94247	0.83075	0.81984
4494	473363.09	3858877.25	2.60594	0.81763	2.53801	0.87788	8.01661	1.02636	0.82669	0.81763
4495	473863.09	3858877.25	2.62783	0.82172	2.20438	0.88082	8.48308	0.97403	0.83278	0.82172
4496	474363.09	3858877.25	2.60913	0.73425	1.3846	0.88137	8.03961	0.94687	0.74769	0.73425
4497	474863.09	3858877.25	2.09356	0.35707	0.86637	0.87526	3.2666	0.7575	0.35914	0.35707
4498	475363.09	3858877.25	1.2671	0.36052	0.80971	0.65146	3.17604	0.65763	0.36263	0.36052
4499	475863.09	3858877.25	1.23417	0.36946	0.68886	0.66141	3.06875	0.66892	0.37169	0.36946
4500	476363.09	3858877.25	1.1046	0.37287	0.64677	0.66799	1.8397	0.58431	0.37512	0.37287
4501	476863.09	3858877.25	1.10755	0.37464	0.70553	0.67964	2.07404	0.69239	0.37684	0.37464
4502	477363.09	3858877.25	1.09025	0.37635	0.64697	0.68995	2.38572	0.70392	0.37852	0.37635
4503	477863.09	3858877.25	1.07255	0.37809	0.89046	0.70122	3.10812	0.71509	0.38021	0.37809
4504	478363.09	3858877.25	1.98356	0.38882	1.20166	0.89942	5.28963	1.00464	0.43221	0.38882
4505	478863.09	3858877.25	1.79627	0.38888	1.22756	0.89684	5.99011	1.00611	0.39055	0.38888
4506	479363.09	3858877.25	1.62313	0.42834	1.74336	0.89209	6.55686	0.74539	0.43548	0.42834
4507	479863.09	3858877.25	3.00054	0.89015	3.00514	1.50629	16.79722	1.87057	0.9024	0.89015
4508	480363.09	3858877.25	2.79871	1.0716	4.46806	1.7251	15.26012	2.29579	1.0852	1.0716
4509	480863.09	3858877.25	3.15274	1.09762	4.47561	1.94254	13.56101	2.64175	1.1106	1.09762
4510	481363.09	3858877.25	3.54281	1.12563	5.45145	2.18378	15.51153	2.91683	1.13361	1.12563
4511	481863.09	3858877.25	3.77587	1.35271	6.8705	2.4586	16.38144	3.22531	1.35403	1.35271
4512	482363.09	3858877.25	3.68987	1.8413	5.23954	2.77616	15.88947	3.38994	1.60608	1.8413
4513	482863.09	3858877.25	3.58366	2.02942	6.70359	3.09195	18.74205	3.70994	2.04875	2.02942
4514	483363.09	3858877.25	3.44902	3.92988	6.77395	2.97443	21.4649	4.95892	3.94571	3.92988
4515	483863.09	3858877.25	3.78259	3.86703	6.31104	3.31123	21.92841	5.06339	3.8773	3.86703
4516	484363.09	3858877.25	4.24451	3.43687	8.76422	3.7397	19.63402	5.58901	3.4414	3.43687
4517	484863.09	3858877.25	4.851	2.84824	7.35107	4.1943	17.17331	6.18307	2.8505	2.84824
4518	485363.09	3858877.25	7.44815	2.36603	10.73072	4.75998	20.58385	6.93252	2.37021	2.36603
4519	485863.09	3858877.25	8.98447	2.47925	11.30239	5.42559	29.89873	8.02361	2.1843	2.47925
4520	486363.09	3858877.25	9.86669	2.57081	15.628	6.83455	30.72398	10.90788	2.33362	2.57081
4521	486863.09	3858877.25	19.44177	4.16417	20.09009	8.5514	21.50192	10.97345	2.67597	4.16417
4522	487363.09	3858877.25	18.25892	4.97968	20.41715	10.27649	23.61175	11.13931	3.10712	4.97968
4523	487863.09	3858877.25	15.78405	4.81494	17.90103	10.94172	30.74987	29.17524	3.71306	4.81494
4524	488363.09	3858877.25	13.25928	7.54481	17.77963	14.90508	41.98986	12.53247	6.65125	7.54481
4525	488863.09	3858877.25	14.32816	15.142	19.02626	21.33016	89.83156	10.51141	32.7701	15.142
4526	489363.09	3858877.25	10.87612	6.54865	11.3831	27.82669	35.94589	13.71315	6.68555	6.54865
4527	489863.09	3858877.25	7.82512	4.2832	18.47196	11.5955	28.27852	8.43232	3.38553	4.2832
4528	490363.09	3858877.25	5.68999	2.98254	18.23445	8.95223	43.3723	6.77694	2.70811	2.98254
4529	490863.09	3858877.25	5.52577	1.75105	16.05624	8.46345	36.83845	3.88885	2.37138	1.75105
4530	491363.09	3858877.25	5.86404	1.73971	6.25564	4.96495	26.408	2.83955	2.49081	1.73971
4531	491863.09	3858877.25	5.30969	1.56921	4.15935	3.00649	11.98801	2.02545	1.99387	1.56921
4532	492363.09	3858877.25	5.30345	1.53886	3.04199	2.71485	17.95408	1.89523	1.89901	1.53886
4533	492863.09	3858877.25	4.89599	1.9462	3.7423	3.72225	20.56526	2.49936	2.09978	1.9462
4534	493363.09	3858877.25	4.51289	2.1349	3.03023	3.03189	19.77174	2.51278	2.17315	2.1349
4535	493863.09	3858877.25	3.89484	2.20244	1.89611	2.66523	11.85575	3.31328	2.22282	2.20244
4536	494363.09	3858877.25	3.47881	1.84372	1.73509	2.28378	8.29824	3.53482	1.85689	1.84372
4537	494863.09	3858877.25	3.40892	1.02504	1.78542	1.9825	9.94792	3.67943	1.03069	1.02504
4538	495363.09	3858877.25	3.35017	0.77181	1.80145	1.73534	11.01541	3.13749	0.7927	0.77181
4539	495863.09	3858877.25	3.30674	0.79451	1.7914	1.59312	11.42326	9.38513	0.8066	0.79451

36.7638058	0.360545081	4.167E-05	0.101242	5.50169	0.22539	1.412389	1.32742358	43.03768		
28.3784895	0.371449688	2.801E-05	0.097479	2.364917	0.25338	1.442672	1.36757122	31.54084		
27.6274936	0.350963609	2.471E-05	0.09428	1.947235	0.36574	1.357227	1.29214735	30.45082		
27.0002444	0.305864533	2.597E-05	0.091493	1.792095	0.49579	1.184265	1.12610549	29.74367		
26.2940887	0.275977001	2.674E-05	0.089044	1.886359	1.36196	0.95861	1.01606816	29.84999		
25.643855	0.293083237	2.786E-05	0.086877	1.959294	0.659	1.134334	1.07904842	28.69742		
24.8733634	0.424190539	2.888E-05	0.084951	2.008503	0.33638	1.639183	1.5617479	27.80485		
35.9699193	0.537048489	2.969E-05	0.085531	2.039668	0.37684	2.072969	1.97725851	39.10475		
36.2017132	0.57864621	4.843E-05	0.087697	3.386471	0.36439	2.236849	2.13040939	40.72541		
25.3287425	0.341503649	2.641E-05	0.044265	3.205991	0.12559	1.331088	1.25731849	29.11989		
26.1737283	0.346791686	2.362E-05	0.044498	3.309363	0.12654	1.351668	1.27678752	30.07583		
26.2141562	0.352984314	2.699E-05	0.044815	3.42537	0.12741	1.374457	1.29958701	30.23963		
26.5595384	0.368965436	4.299E-05	0.045106	3.478254	0.13039	1.434298	1.35842491	30.65817		
26.7393095	0.367970835	6.438E-05	0.045475	3.696863	0.14199	1.427289	1.35476308	31.0642		
26.9639208	0.369811521	5.592E-05	0.045628	3.911975	0.13475	1.437803	1.36153996	31.50241		
26.7720418	0.330446027	3.512E-05	0.045656	3.707469	0.13099	1.290894	1.2166075	31.06093		
21.4818257	0.160697805	2.198E-05	0.04534	1.506394	0.1048	0.620059	0.59164323	23.32749		
13.001596	0.162250462	2.054E-05	0.033747	1.464632	0.09098	0.626084	0.59735967	14.78195		
12.6637043	0.16627387	1.747E-05	0.034262	1.415155	0.09254	0.641727	0.6121727	14.40151		
11.3341985	0.167808526	1.641E-05	0.034603	0.848378	0.08084	0.647648	0.61782286	12.49567		
11.3644682	0.168605107	1.79E-05	0.035206	0.956444	0.09579	0.650618	0.62075565	12.65039		
11.1869545	0.169374685	1.641E-05	0.03574	1.100176	0.09738	0.653519	0.62358901	12.61958		
11.0053364	0.170157764	2.259E-05	0.036324	1.433311	0.09893	0.656436	0.62647209	12.77405		
20.3531258	0.174986754	3.048E-05	0.046591	2.439315	0.13899	0.746215	0.64425104	23.255		
18.4313605	0.175013757	3.114E-05	0.046458	2.762341	0.13919	0.674289	0.64435046	21.58433		
16.6547869	0.192772559	4.423E-05	0.046212	3.023698	0.10312	0.751861	0.70973327	20.06276		
30.7882636	0.400608146	7.623E-05	0.078028	7.746044	0.25878	1.558003	1.4749243	39.35488		
28.7173046	0.482268932	0.0001133	0.089363	7.03721	0.31761	1.873609	1.77557589	36.7419		
32.3499737	0.49397912	0.0001135	0.100626	6.253665	0.36547	1.917462	1.81868944	39.6626		
36.352446	0.506584899	0.0001383	0.113123	7.153148	0.40353	1.957189	1.8651003	44.62106		
38.7438531	0.608781268	0.0001743	0.127359	7.554307	0.44621	2.337747	2.24135802	47.57707		
37.861415	0.828669078	0.0001329	0.143809	7.327435	0.46898	2.772913	3.05092187	46.35243		
36.771604	0.913331668	0.0001701	0.160167	8.642903	0.51325	3.537188	3.36262525	47.17599		
35.3900754	1.768625447	0.0001718	0.15408	9.898546	0.68604	6.812308	6.51157164	48.19828		
38.8128064	1.740340077	0.0001601	0.171526	10.11229	0.7005	6.694198	6.40743302	51.82439		
43.5525248	1.546748435	0.0002223	0.193722	9.054235	0.77321	5.941612	5.69468412	55.36759		
49.7756626	1.281838057	0.0001865	0.217271	7.919478	0.8554	4.921417	4.71936008	60.25189		
76.4247788	1.064821538	0.0002722	0.246574	9.49225	0.95908	4.092192	3.9203675	88.3596		
92.1888163	1.115775708	0.0002867	0.281053	13.78781	1.11003	3.771216	4.10796614	108.147		
101.241194	1.156981889	0.0003964	0.354039	14.16837	1.50905	4.029019	4.25967548	118.1994		
199.490205	1.874066645	0.0005096	0.442974	9.915618	1.51812	4.620089	6.89977589	210.9618		
187.353091	2.241083383	0.0005179	0.532337	10.88857	1.54107	5.364474	8.25102625	199.6701		
161.958678	2.16694286	0.0004541	0.566796	14.18031	4.03625	6.410636	7.97806211	181.342		
136.052247	3.395509012	0.000451	0.772104	19.36364	1.73381	11.48345	12.5012903	160.2999		
147.019925	6.814591416	0.0004827	1.104932	41.42586	1.4542	56.57782	25.0893711	229.3084		
111.598862	2.947191525	0.0002888	1.441461	16.57646	1.89715	11.54267	10.8507139	135.1534		
80.2928331	1.92763558	0.0004686	0.600663	13.04065	1.16657	5.845152	7.09700134	95.77697		
58.3844615	1.342279189	0.0004626	0.463738	20.00115	0.93756	4.675579	4.941887	80.86334		
56.6994153	0.788052457	0.0004073	0.438419	16.98806	0.538	4.094212	2.90138313	76.64519		
60.1703725	0.782948939	0.0001587	0.257191	12.17806	0.39284	4.300409	2.88259344	75.19938		
54.4822383	0.706216153	0.0001055	0.15574	5.528275	0.28021	3.442437	2.60008533	61.99514		
54.4182103	0.692557268	7.717E-05	0.140633	8.27953	0.2622	3.27866	2.54979723	64.52207		
50.2373009	0.875878868	9.493E-05	0.192818	9.483677	0.34577	3.625291	3.22473478	61.5361		
46.3063472	0.960802484	7.687E-05	0.157056	9.117745	0.34763	3.751966	3.53739918	57.10422		
39.9645933	0.991198568	4.81E-05	0.138063	5.467283	0.45838	3.837721	3.64930884	47.20797		
35.6957479	0.829758188	4.402E-05	0.118303	3.826736	0.48903	3.205939	3.05493167	41.11062		
34.9786131	0.461314805	4.529E-05	0.102696	4.587487	0.50903	1.779497	1.6984288	40.72026		
34.3757847	0.347349742	4.57E-05	0.089893	5.07976	0.43406	1.368605	1.27884213	40.41665		
33.9301535	0.357565779	4.544E-05	0.082526	5.26784	1.29839	1.392603	1.31645465	41.01267		

4540	496363.09	3858877.25	3.27413	0.75722	1.76306	1.58774	11.20077	6.51237	0.76336	0.75722	33.5955453	0.340783576	4.473E-05	0.082247	5.165239	0.90095	1.317949	1.25466739	40.1481
4541	496863.09	3858877.25	3.24431	0.66703	1.72292	1.58281	10.46762	5.31332	0.67263	0.66703	33.2895651	0.300193958	4.371E-05	0.081992	4.827147	0.73507	1.161303	1.10522806	39.29009
4542	497363.09	3858877.25	3.21566	0.63953	1.67528	1.57489	9.3932	3.54241	0.60763	0.63953	32.9955901	0.287817702	4.25E-05	0.081582	4.331678	0.49008	1.049079	1.05966223	38.1762
4543	497863.09	3858877.25	3.22737	1.07599	1.62011	1.59195	8.19648	3.08669	1.08627	1.07599	33.1157453	0.484244632	4.11E-05	0.082465	3.77981	0.42703	1.875456	1.78284985	37.98194
4544	498363.09	3858877.25	3.25973	1.36416	1.73415	1.92691	7.57909	2.93224	1.37593	1.36416	33.4477883	0.61393429	4.399E-05	0.099817	3.4951	0.40566	2.375557	2.26032998	38.17757
4545	471363.09	3859377.25	2.24041	0.7441	1.2913	0.82182	6.81238	0.88139	0.75463	0.7441	22.9886399	0.334878977	3.276E-05	0.042571	3.141531	0.12194	1.302876	1.23292835	26.69954
4546	471863.09	3859377.25	2.23879	0.75527	1.79331	0.85835	6.66171	0.88848	0.76536	0.75527	22.9720173	0.339905987	4.549E-05	0.044464	3.07205	0.12292	1.321402	1.25143636	26.62136
4547	472363.09	3859377.25	2.22975	0.76106	2.21545	0.92335	6.44239	0.98305	0.77008	0.76106	22.8792587	0.342511752	5.62E-05	0.047831	2.97091	0.136	1.329551	1.26103003	26.44509
4548	472863.09	3859377.25	2.22788	0.79028	2.04945	0.98504	7.34103	1.04998	0.79891	0.79028	22.8600708	0.355662086	5.199E-05	0.051026	3.385319	0.14526	1.379326	1.30944579	26.86727
4549	473363.09	3859377.25	2.21592	0.79624	1.88707	1.06311	8.79657	1.13918	0.804	0.79624	22.7373503	0.358344358	4.787E-05	0.055071	4.056541	0.1576	1.388114	1.31932115	27.43375
4550	473863.09	3859377.25	2.28257	0.78803	1.47108	1.12179	10.21364	1.13984	0.79627	0.78803	23.4212398	0.354649483	3.732E-05	0.05811	4.710024	0.15769	1.374768	1.30571768	28.7708
4551	474363.09	3859377.25	2.29801	0.72827	1.21737	1.01793	10.52228	0.89809	0.7409	0.72827	23.5796682	0.327754754	3.088E-05	0.05273	4.852353	0.12425	1.279171	1.206699	29.00926
4552	474863.09	3859377.25	2.2345	0.67706	1.24745	0.81806	6.95407	0.90447	0.68337	0.67706	22.927998	0.304707916	3.165E-05	0.042377	3.206872	0.12513	1.179845	1.12184715	26.66511
4553	475363.09	3859377.25	2.17761	0.36156	1.13367	0.83645	4.10116	0.75745	0.3637	0.36156	22.3442549	0.16271851	2.876E-05	0.043329	1.891251	0.10479	0.627932	0.59908288	24.57522
4554	475863.09	3859377.25	1.05616	0.3671	0.63159	0.66058	2.59377	0.69366	0.36933	0.3671	10.8371601	0.165211763	1.602E-05	0.034219	1.196118	0.09596	0.637652	0.60826233	12.35808
4555	476363.09	3859377.25	1.00391	0.37015	0.58066	0.66237	2.61546	0.6978	0.37238	0.37015	10.3010277	0.166584402	1.473E-05	0.034312	1.20612	0.09654	0.642918	0.61331599	11.8342
4556	476863.09	3859377.25	0.93398	0.37185	0.57309	0.52186	2.84877	0.55353	0.37405	0.37185	9.58348246	0.167349479	1.454E-05	0.027033	1.313711	0.07658	0.645801	0.61613279	11.19784
4557	477363.09	3859377.25	0.89543	0.37352	0.55514	0.65935	3.01233	0.55929	0.37568	0.37352	9.18792447	0.168101056	1.408E-05	0.034155	1.389137	0.07738	0.648615	0.61889987	10.88642
4558	477863.09	3859377.25	1.11337	0.37524	1.18232	0.82067	4.03298	0.70674	0.37736	0.37524	11.4241867	0.168875134	2.999E-05	0.042512	1.85981	0.09777	0.651516	0.62174981	13.62295
4559	478363.09	3859377.25	1.50264	0.3844	1.54127	1.00091	6.0858	0.9226	0.38647	0.3844	15.4184502	0.172997553	3.91E-05	0.051849	2.806469	0.12764	0.667244	0.63692737	18.60776
4560	478863.09	3859377.25	2.33125	0.66178	1.44018	1.2303	9.22078	0.9307	0.67112	0.66178	23.9207408	0.297831218	3.653E-05	0.063731	4.252166	0.12876	1.158695	1.09652913	28.72543
4561	479363.09	3859377.25	2.70789	0.75135	2.13495	1.92388	11.8359	0.94698	0.76506	0.75135	27.785409	0.338141808	5.416E-05	0.09966	5.45813	0.13101	1.320884	1.24494116	33.88835
4562	479863.09	3859377.25	2.89055	0.7953	3.09307	2.44553	13.81572	1.57425	0.80013	0.7953	29.6596664	0.357921315	7.846E-05	0.126682	6.371124	0.21779	1.381433	1.31776363	36.79693
4563	480363.09	3859377.25	2.95614	0.8842	4.2212	2.70929	14.23868	2.41966	0.89334	0.8842	30.3326793	0.397930374	0.0001071	0.140345	6.566172	0.33475	1.542361	1.46506551	37.84928
4564	480863.09	3859377.25	3.19717	0.95247	4.29192	2.77154	13.48007	2.96649	0.96177	0.95247	32.8058659	0.428654992	0.0001089	0.14357	6.216339	0.4104	1.660506	1.57818474	40.08726
4565	481363.09	3859377.25	3.3392	1.06226	5.96209	2.96082	12.52938	3.2464	1.08182	1.06226	34.2632226	0.478065505	0.0001512	0.153375	5.777928	0.44912	1.867773	1.76010008	41.22954
4566	481863.09	3859377.25	3.36434	1.46996	4.70005	3.11127	17.23634	3.33932	1.35637	1.46996	34.5211818	0.661549121	0.0001192	0.161168	7.948544	0.46198	2.341787	2.43563413	43.66069
4567	482363.09	3859377.25	3.59277	1.71629	5.53633	3.22972	20.13831	3.23804	1.50497	1.71629	36.8650809	0.772408869	0.0001404	0.167304	9.286789	0.44797	2.598346	2.84378792	47.29425
4568	482863.09	3859377.25	3.75467	1.62231	5.28248	3.77581	19.84589	3.3968	1.64038	1.62231	38.5263218	0.730113578	0.000134	0.195592	9.151939	0.46993	2.832133	2.68806879	49.2181
4569	483363.09	3859377.25	3.78704	1.82558	5.0847	3.89914	16.55339	3.90246	1.83133	1.82558	38.8584674	0.82159436	0.000129	0.201981	7.633602	0.53989	3.16181	3.02487479	48.19259
4570	483863.09	3859377.25	3.94446	2.41848	7.71315	4.08387	12.17793	3.67758	2.43811	2.41848	40.4737395	1.088426433	0.0001957	0.21155	5.615857	0.50878	4.209422	4.00727396	48.10069
4571	484363.09	3859377.25	4.31882	3.3042	7.92552	4.50705	16.37604	4.34042	3.3281	3.3042	44.3150129	1.487040877	0.0002011	0.233471	7.551817	0.60048	5.745998	5.47485801	54.45916
4572	484863.09	3859377.25	4.80106	4.07594	5.72704	4.79869	16.7803	5.05715	4.09959	4.07594	49.2632329	1.834359116	0.0001453	0.248579	7.738241	0.69963	7.077984	6.75358416	60.10859
4573	485363.09	3859377.25	5.45248	4.46069	9.98747	4.8228	25.19608	5.3566	4.47854	4.46069	55.9473933	2.007514184	0.0002534	0.249828	11.61918	0.74106	7.732245	7.39109146	70.90638
4574	485863.09	3859377.25	7.33036	4.26453	10.35564	5.23029	25.07738	6.38474	4.27342	4.26453	75.2161465	1.919233227	0.0002627	0.270936	11.56444	0.8833	7.378103	7.06606629	90.16636
4575	486363.09	3859377.25	8.38954	3.56275	11.17384	6.00535	18.187	9.87187	3.56359	3.56275	86.0842945	1.603400183	0.0002835	0.311086	8.386942	1.36572	6.152574	5.9032596	98.00104
4576	486863.09	3859377.25	16.8146	2.73146	15.54456	6.019	18.76331	20.40286	2.73171	2.73146	172.533057	1.229281724	0.0003943	0.311793	8.652707	2.82264	4.716325	4.52586274	185.7403
4577	487363.09	3859377.25	20.26914	3.80398	11.81959	8.69409	23.05708	11.30252	2.45604	3.80398	207.979772	1.711964698	0.0002998	0.450366	10.63278	1.56365	4.240378	6.30296301	220.2762
4578	487863.09	3859377.25	18.70711	4.00915	10.74816	9.19548	22.71158	9.09778	3.10109	4.00915	191.951927	1.804300566	0.0002727	0.476339	10.47345	1.25863	5.354063	6.6429172	204.6761
4579	488363.09	3859377.25	16.23819	3.97264	10.79473	9.07807	34.26427	23.6795	3.95521	3.97264	166.618567	1.787869399	0.0002738	0.470257	15.80098	3.27594	6.82871	6.58242235	188.2002
4580	488863.09	3859377.25	12.703	5.29878	13.13573	13.27177	56.86379	16.93232	5.31361	5.29878	130.344309	2.384692953	0.0003332	0.687496	26.22276	2.3425	9.174002	8.77975551	162.3763
4581	489363.09	3859377.25	10.98196	10.0743	17.61821	16.27854	52.82768	9.50632	9.80895	10.0743	112.684877	4.533895014	0.0004469	0.843251	24.3615	1.31515	16.93525	16.6925011	143.9819
4582	489863.09	3859377.25	12.33594	12.43333	89.2873	41.54614	23.40128	29.03043	12.454	12.43333	126.57794	5.595566232	0.002265	2.152148	10.79151	4.01622	21.50187	20.60127	150.0362
4583	490363.09	3859377.25	8.41577	5.39856	30.38592	11.34309	18.71211	10.5897	5.31184	5.39856	86.3534381	2.42959851	0.0007708	0.587588	8.629096	1.46503	9.170946	8.94508488	99.69139
4584	490863.09	3859377.25	6.81929	2.80647	19.20915	7.31307	25.93245	6.14094	2.68598	2.80647	69.9721044	1.263039649	0.0004873	0.378827	11.95876	0.84957	4.637372	4.65014974	84.41001
4585	491363.09	3859377.25	5.60196	1.41492	9.04123	5.31172	37.33113	3.18314	2.64221	1.41492	57.4811938	0.636778608	0.0002294	0.275155	17.21526	0.44037	4.561802	2.3444362	78.26636
4586	491863.09	3859377.25	4.69814	1.44599	8.2377	5.94326	27.65808	3.03687	2.16594	1.44599	48.2071803	0.650761527	0.000209	0.307869	12.75453	0.42014	3.739517	2.3959173	63.68429
4587	492363.09	3859377.25	4.65335	1.4517	7.27118	5.32346	20.47845	2.95957	2.0196	1.4517	47.7475943	0.653331288	0.0001845	0.275763	9.443645	0.40944	3.48686	2.40537842	59.61144
4588	492863.09	3859377.25	4.56215	1.45867	6.67449	4.33735	22.07247	2.89851	1.88662	1.45867	46.8117995	0.656468106	0.0001693	0.224681	10.17873	0.40099	3.257269	2.41692729	59.11318
4589	493363.09	3859377.25	4.56745	1.53157	4.685	3.68371	18.8601	2.97164	1.87726	1.53157	46.8661823	0.689276435	0.0001188	0.190821	8.697342	0.41111	3.241108	2.53771814	57.55824
4590	493863.09	3859377.25	4.41749	1.77334	4.16307	3.76603	19.36745	4.78139	1.91865	1.77334	45.3274566	0.798083974	0.0001056	0.195086	8.931307	0.66148	3.312569	2.9383163	56.28777
4591	494363.09	3859377.25	4.25014	1.84687	3.7339	3.37154	16.10798	6.60109	1.8902	1.84687	43.6102937	0.831175832	9.472E-05	0.17465	7.428201	0.91323	3.263449	3.06015103	53.16094
4592	494863.09	3859377.25	4.06244	1.96844	1.97577	2.47142	14.05436	15.14827	1.98788	1.96844	41.6843214	0.885887883	5.012E-05	0.128023	6.481173	2.09569	3.432095	3.26158511	51.44565
4593	495363.09	3859377.25	3.76208	1.61343	1.76285	2.6121	13.7548	8.57339	1.62572	1.61343	38.6023552	0.726117173	4.472E-05	0.13531	6.343031	1.18609	2.806822	2.67335517	47.12641
4594	495863.09	3859377.25	3.40478	0.99033	1.61915	2.58519	12.10102	4.81833	0.99649	0.99033	34.9361329	0.445693721	4.107E-05	0.133916	5.58039	0.66659	1.72045	1.64091645	41.8423
4595	496363.09	3859377.25	3.16149	0.78023	1.49501	2.44202	10.94198	4.88261	0.77245	0.78023	32.4397567	0.351139127	3.793E-05	0.1265	5.045898	0.67549	1.333643	1.29279356	38.67967
4596	496863.09	3859377.25	2.86312	0.76702	1.38796	2.2335	7.74709	3.90711	0.78161	0.76702	29.3782097	0.345194024	3.521E-05	0.115698	3.572573	0.54053	1.349458	1.27090539	34.03079
4597	497363.09	3859377.25	2.91146	0.73362	1.29672	2.04738	9.92804	3.50433	0.74276	0.73362	29.874222	0.330162499	3.289E-05	0.106057	4.578319	0.48481	1.282383	1.21556363	35.44042
4598	497863.09	3859377.25	2.99683	0.71168	1.77035	1.93937	12.41724	3.35735	0.70236	0.71168	30.7501956	0.320288497	4.491E-05	0.100462	5.726215	0.46447	1.212632	1.17921038	37.3951

4599	498363.09	3859377.25	3.01234	1.26096	2.27179	3.14333	11.88201	3.36847	1.26069	1.26096	30.9093423	0.567489578	5.763E-05	0.162829	5.479393	0.46601	2.176594	2.08933387	37.67238
4600	471363.09	3859877.25	2.24745	0.71345	2.05341	1.25712	9.20329	1.06991	0.72115	0.71345	23.0608767	0.321085078	5.209E-05	0.065121	4.2441	0.14802	1.245073	1.18214317	27.90218
4601	471863.09	3859877.25	2.26001	0.71968	1.73031	1.30735	10.03938	1.11441	0.72713	0.71968	23.1897537	0.323888862	4.389E-05	0.067723	4.629664	0.15417	1.255397	1.1924659	28.42818
4602	472363.09	3859877.25	2.29375	0.74622	1.62482	1.34531	10.72069	1.12114	0.75415	0.74622	23.5359568	0.335833074	4.122E-05	0.069689	4.94385	0.1551	1.302048	1.23644106	29.10608
4603	472863.09	3859877.25	2.24971	0.76568	1.42015	1.38232	10.97739	1.19023	0.77288	0.76568	23.0840664	0.344590963	3.603E-05	0.071606	5.062227	0.16466	1.334385	1.26868509	28.79289
4604	473363.09	3859877.25	2.2013	0.77096	1.50653	1.44288	10.94869	1.26295	0.77805	0.77096	22.5873358	0.346967204	3.822E-05	0.074743	5.048992	0.17472	1.343311	1.27743373	28.29868
4605	473863.09	3859877.25	2.15925	0.75228	1.48408	1.54126	10.76775	1.29754	0.75909	0.75228	22.1558647	0.338560351	3.765E-05	0.079839	4.965552	0.17951	1.310577	1.24648211	27.78346
4606	474363.09	3859877.25	2.20163	0.7359	1.14388	1.51971	9.94243	0.95655	0.74779	0.7359	22.5907219	0.331188603	2.902E-05	0.078723	4.584955	0.13233	1.291067	1.21934145	27.78968
4607	474863.09	3859877.25	2.02856	0.68746	1.31884	1.27909	7.08309	0.86141	0.69896	0.68746	20.8148667	0.309388391	3.346E-05	0.066259	3.266369	0.11917	1.206762	1.13907932	24.64377
4608	475363.09	3859877.25	1.81684	0.36606	0.92562	0.95654	5.50607	0.866	0.36825	0.36606	18.6424273	0.164743715	2.348E-05	0.04955	2.539126	0.11981	0.635787	0.60653911	21.54493
4609	475863.09	3859877.25	1.08033	0.36471	0.73871	0.58312	3.73998	0.67077	0.36693	0.36471	11.0851663	0.164136153	1.874E-05	0.030206	1.724693	0.0928	0.633508	0.60430224	13.12622
4610	476363.09	3859877.25	0.87664	0.36745	0.45458	0.51817	2.72279	0.52581	0.36968	0.36745	8.99512202	0.165369279	1.153E-05	0.026842	1.255616	0.07274	0.638256	0.60884225	10.54512
4611	476863.09	3859877.25	0.87126	0.36911	0.6378	0.51876	3.83956	0.52919	0.3713	0.36911	8.93991833	0.166116354	1.618E-05	0.026872	1.770614	0.07321	0.641053	0.61159277	11.00621
4612	477363.09	3859877.25	0.85475	0.37073	1.07235	0.52658	4.97806	0.53116	0.3729	0.37073	8.77051075	0.166845428	2.72E-05	0.027278	2.295634	0.07348	0.643816	0.61427701	11.36332
4613	477863.09	3859877.25	1.13259	0.37239	0.9714	0.63883	5.89976	0.67947	0.37451	0.37239	11.6214013	0.167592504	2.464E-05	0.033092	2.720676	0.094	0.646595	0.61702753	14.66636
4614	478363.09	3859877.25	1.67338	0.38153	1.18639	0.95696	6.49857	0.88515	0.38359	0.38153	17.1703975	0.171705921	3.01E-05	0.049572	2.996818	0.12246	0.662272	0.63217196	20.54108
4615	478863.09	3859877.25	2.63328	0.6637	1.06523	1.17963	12.61459	1.15237	0.67186	0.6637	27.0198427	0.298695306	2.702E-05	0.061106	5.817223	0.15942	1.159973	1.09971045	33.41658
4616	479363.09	3859877.25	2.9526	0.75248	2.09566	2.02566	11.437	1.38075	0.7633	0.75248	30.2963557	0.33865036	5.316E-05	0.104932	5.274177	0.19102	1.317845	1.2468135	36.27622
4617	479863.09	3859877.25	3.0514	0.8693	3.12044	2.77654	9.40173	1.68744	0.88586	0.8693	31.3101334	0.391224694	7.916E-05	0.143829	4.335611	0.23345	1.529446	1.44037712	36.5034
4618	480363.09	3859877.25	3.09058	1.13348	4.07273	3.21263	12.46241	2.16596	1.15557	1.13348	31.7121557	0.510117757	0.0001033	0.166419	5.747045	0.29965	1.995103	1.87810728	38.55249
4619	480863.09	3859877.25	3.15684	1.2839	5.25643	3.49356	15.48967	2.309	1.30743	1.2839	32.3920435	0.577813626	0.0001333	0.180971	7.143067	0.31944	2.257291	2.12734405	40.74341
4620	481363.09	3859877.25	3.23792	1.43504	3.11572	3.62862	16.60678	2.44035	1.45855	1.43504	33.2239979	0.645833527	7.904E-05	0.187968	7.658223	0.33761	2.518201	2.37777382	42.19414
4621	481863.09	3859877.25	3.36233	1.56402	3.14481	3.78441	15.35744	2.48675	1.48313	1.56402	34.5005574	0.703880416	7.978E-05	0.196038	7.082089	0.34403	2.560639	2.59148581	42.79583
4622	482363.09	3859877.25	3.45474	1.60393	4.71605	3.7546	13.78473	2.48186	1.50523	1.60393	35.4487678	0.721841739	0.0001196	0.194494	6.356833	0.34335	2.598795	2.65761425	43.00659
4623	482863.09	3859877.25	3.53835	1.46464	6.71046	3.65385	10.43148	2.93566	1.48221	1.46464	36.3066823	0.659154879	0.0001702	0.189275	4.810481	0.40613	2.559051	2.42681921	42.50413
4624	483363.09	3859877.25	3.58825	1.44174	5.7205	3.51872	13.18302	3.52467	1.45537	1.44174	36.8187016	0.648848833	0.0001451	0.182275	6.079354	0.48762	2.512711	2.38887531	44.34078
4625	483863.09	3859877.25	3.47478	1.7634	4.09475	3.48701	14.90753	3.67306	1.77277	1.7634	35.6543964	0.793610521	0.0001039	0.180632	6.874613	0.50815	3.060705	2.92184632	44.15036
4626	484363.09	3859877.25	3.56698	2.22718	5.81311	3.88276	13.77864	3.6234	2.23739	2.22718	36.6004521	1.002332698	0.0001475	0.201132	6.354025	0.50128	3.862877	3.69030152	44.83194
4627	484863.09	3859877.25	3.72066	2.56688	6.72435	3.87146	21.70496	4.09564	2.57484	2.56688	38.1773484	1.155213209	0.0001706	0.200547	10.00925	0.56661	4.445487	4.25316371	50.30146
4628	485363.09	3859877.25	3.98002	2.71695	8.3555	3.75047	21.18534	4.5618	2.71949	2.71695	40.8386174	1.222751562	0.000212	0.19428	9.769627	0.6311	4.695227	4.50182056	52.85
4629	485863.09	3859877.25	5.45964	2.61356	7.80221	5.40402	14.89636	4.79425	2.60765	2.61356	56.0208614	1.176221341	0.0001979	0.279936	6.869462	0.66326	4.502134	4.33050963	65.18156
4630	486363.09	3859877.25	7.16815	3.59039	9.26261	6.34068	14.65412	5.40254	3.62054	3.59039	73.5517246	1.615839445	0.000235	0.328456	6.757753	0.74741	6.250899	5.9490574	83.30326
4631	486863.09	3859877.25	8.34567	4.67214	7.64999	5.93616	16.11623	8.09844	4.70281	4.67214	85.6341485	2.10267634	0.0001941	0.307501	7.432005	1.12038	8.119449	7.74145122	96.9749
4632	487363.09	3859877.25	15.68119	5.18224	8.37917	5.18378	24.61773	10.44373	5.20397	5.18224	160.903241	2.332244632	0.0002126	0.268527	11.35248	1.44484	8.984707	8.58665583	176.6996
4633	487863.09	3859877.25	20.86594	4.67345	10.96432	6.78363	17.42719	11.91586	4.67853	4.67345	214.103482	2.1032659	0.0002781	0.351402	8.036555	1.6485	8.077529	7.74362181	226.5774
4634	488363.09	3859877.25	19.11428	3.51793	13.12306	7.38025	25.2654	19.71602	3.51264	3.51793	196.12986	1.583229136	0.0003329	0.382307	11.65115	2.72761	6.064609	5.8289956	212.7101
4635	488863.09	3859877.25	14.95223	3.13863	18.19124	11.97058	20.47345	7.91787	3.13778	3.13863	153.42345	1.412526816	0.0004615	0.620093	9.441339	1.0954	5.417409	5.20051861	166.2102
4636	489363.09	3859877.25	10.5864	3.97327	22.48986	12.9448	56.94109	9.08365	5.06235	3.97327	108.626072	1.788152928	0.0005705	0.670559	26.2584	1.25668	8.740199	6.58346622	140.7572
4637	489863.09	3859877.25	8.86803	5.21131	10.53522	10.34071	34.57846	8.7732	5.98208	5.21131	90.9940362	2.345327459	0.0002673	0.535663	15.94587	1.21373	10.32812	8.63482305	112.7282
4638	490363.09	3859877.25	9.75949	11.99995	24.85618	14.75977	15.47588	9.71457	10.3874	11.99995	100.141225	5.400525443	0.0006305	0.764577	7.136708	1.34396	17.93395	19.8831858	112.8384
4639	490863.09	3859877.25	11.85508	21.56482	21.41333	50.36	15.96248	38.7567	23.4214	21.56482	121.64388	9.705153695	0.0005432	2.608718	7.361103	5.3618	40.43727	35.7315924	151.3869
4640	491363.09	3859877.25	6.89376	6.96328	14.85125	18.6086	17.71986	10.61634	7.17032	6.96328	70.7362342	3.133793958	0.0003767	0.963951	8.17152	1.46872	12.37963	11.5377306	85.31649
4641	491863.09	3859877.25	5.37697	4.97226	12.4074	9.62096	22.19554	7.07621	5.09054	4.97226	55.1725922	2.237744044	0.0003147	0.498379	10.23548	0.97896	8.788869	8.23873177	69.67361
4642	492363.09	3859877.25	4.24332	3.67775	9.92078	7.2617	24.73806	6.23122	3.73863	3.67775	43.5403143	1.655155434	0.0002517	0.376166	11.40797	0.86206	6.454783	6.0938076	58.20289
4643	492863.09	3859877.25	4.04454	2.56924	7.70755	5.22366	18.37709	5.08035	2.59837	2.56924	41.5006511	1.156275317	0.0001955	0.270593	8.474602	0.70284	4.486112	4.25707409	52.3342
4644	493363.09	3859877.25	3.80369	2.06434	5.28115	4.31063	13.6849	4.03727	2.07246	2.06434	39.0293115	0.929047262	0.000134	0.223297	6.310797	0.55854	3.578123	3.42048556	47.20876
4645	493863.09	3859877.25	3.77448	1.71809	5.15233	3.80946	15.55474	3.52626	1.71765	1.71809	38.7295904	0.773218952	0.0001307	0.197335	7.173074	0.48784	2.96554	2.84677041	47.47996
4646	494363.09	3859877.25	3.84943	1.37276	4.78754	3.53484	16.56294	4.75134	1.68343	1.37276	39.4986454	0.617804683	0.0001214	0.18311	7.638006	0.65732	2.906459	2.27457965	49.22689
4647	494863.09	3859877.25	3.82438	1.42981	4.67738	3.51164	13.92263	15.37813	1.58598	1.42981	39.2416097	0.643479788	0.0001187	0.181908	6.420426	2.12749	2.738211	2.36910802	48.98413
4648	495363.09	3859877.25	3.7984	1.45603	4.00618	3.31183	15.54788	4.10498	1.55315	1.45603	38.9750313	0.655279985	0.0001016	0.171557	7.16991	0.5679	2.681529	2.41255297	47.80876
4649	495863.09	3859877.25	3.7233	1.52722	3.13611	3.28639	13.41384	3.33579	1.56364	1.52722	38.2044372	0.687318736	7.956E-05	0.17024	6.185797	0.46149	2.69964	2.53051046	45.87849
4650	496363.09	3859877.25	3.59132	1.35278	2.05333	2.49016	12.3933	2.4507	1.36428	1.35278	36.8502026	0.608812771	5.209E-05	0.128994	5.715175	0.33904	2.355443	2.24147401	43.75625
4651	496863.09	3859877.25	3.10628	0.77472	1.1446	2.11467	7.82285	2.39224	0.77917	0.77472	31.873252	0.348659375	2.904E-05	0.109543	3.60751	0.33095	1.345245	1.28366382	36.33153
4652	497363.09	3859877.25	3.27765	0.8756	1.82024	2.28088	12.80802	2.46783	0.75142	0.8756	33.6316637	0.394059982	4.618E-05	0.118153	5.906423	0.34141	1.297334	1.45081583	40.23828
4653	497863.09	3859877.25	3.00446	1.05549	2.57135	2.73933	14.10882	3.19327	1.07889	1.05549	30.8284864	0.475018696	6.523E-05	0.141901	6.506287	0.44177	1.862715	1.7488826	38.50736
4654	498363.09	3859877.25	2.73995	1.1486	3.11638	2.47275	9.73378	3.32155	1.15948	1.1486	28.1143737	0.516922447	7.906E-05	0.128092	4.488736	0.45952	2.001854	1.90316019	33.80642
4655	471363.09	3860377.25	2.20831	0.68944	1.46181	1.37984	8.72418	1.12992	0.69557	0.68944	22.6592648	0.310279481	3.708E-05	0.071478	4.023159	0.15632	1.200909	1.14236006	27.27909
4656	471863.09	3860377.25	2.17211	0.6979	1.10387	1.40027	8.20916	1.12981	0.70394	0.6979	22.28782	0.314086868	2.8E-05	0.072536	3.785657	0.1563	1.21536	1.15637776	26.67541
4657	472363.09	3860377.25	2.0902	0.71424	1.35975	1.48858	7.49968	1.2456	0.72069	0.71424	21.447349	0.321440614	3.449E-05	0.077111	3.45848	0.17232	1.244279	1.18345215	25.53756

4658	472863.09	3860377.25	1.97266	0.73416	1.69481	1.5595	6.82162	1.41673	0.74128	0.73416	20.2412819	0.330405523	4.299E-05	0.080784	3.145793	0.196	1.279827	1.21645837	24.05767
4659	473363.09	3860377.25	1.88602	0.74061	2.13939	1.61885	6.85333	1.56927	0.74781	0.74061	19.3522769	0.333308318	5.427E-05	0.083859	3.160416	0.2171	1.291102	1.22714563	23.21097
4660	473863.09	3860377.25	1.97678	0.72407	2.60484	1.67065	6.72182	1.6707	0.73095	0.72407	20.2835569	0.325864563	6.608E-05	0.086542	3.09977	0.23113	1.261993	1.19973986	24.08919
4661	474363.09	3860377.25	2.07813	0.72779	2.29697	1.66991	6.32258	1.58753	0.73467	0.72779	21.3234999	0.327538732	5.827E-05	0.086504	2.91566	0.21963	1.268415	1.20590367	24.9354
4662	474863.09	3860377.25	2.15137	0.71541	1.61449	1.50897	7.38906	1.28903	0.72583	0.71541	22.0750087	0.321967167	4.096E-05	0.078167	3.407468	0.17833	1.253153	1.18539077	26.12874
4663	475363.09	3860377.25	2.1723	0.69913	1.22495	1.26146	8.63125	0.95103	0.71321	0.69913	22.2897695	0.314640424	3.107E-05	0.065345	3.980304	0.13157	1.231364	1.1584158	26.85461
4664	475863.09	3860377.25	2.04709	0.69816	0.91878	1.01564	10.38444	1.00776	0.70638	0.69816	21.0050013	0.314203879	2.331E-05	0.052612	4.788788	0.13942	1.219572	1.15680857	26.36281
4665	476363.09	3860377.25	1.6468	0.37201	1.23808	0.89129	6.31808	0.84598	0.37429	0.37201	16.8976626	0.167421487	3.141E-05	0.04617	2.913585	0.11704	0.646215	0.6163979	20.17173
4666	476863.09	3860377.25	1.44449	0.37184	1.23749	0.80806	6.00244	0.82349	0.37408	0.37184	14.8217784	0.167344979	3.139E-05	0.041859	2.768027	0.11393	0.645853	0.61611622	17.9427
4667	477363.09	3860377.25	1.15366	0.36798	0.61384	0.58386	5.69622	0.64579	0.37015	0.36798	11.8375986	0.165607803	1.557E-05	0.030245	2.626814	0.08934	0.639068	0.60972043	14.77897
4668	477863.09	3860377.25	1.22581	0.36964	0.98131	0.79316	4.93825	0.75395	0.37176	0.36964	12.5779231	0.166354879	2.489E-05	0.041087	2.277276	0.10431	0.641847	0.61247095	15.19635
4669	478363.09	3860377.25	2.081	0.38024	1.00316	1.28485	4.25161	0.86726	0.38399	0.38024	21.3529487	0.171125363	2.545E-05	0.066557	1.960631	0.11998	0.662963	0.6300345	23.7042
4670	478863.09	3860377.25	2.73949	0.69986	1.55378	1.88264	6.90207	1.1133	0.70903	0.69986	28.1096537	0.314968957	3.942E-05	0.097523	3.182892	0.15402	1.224147	1.15962536	31.92362
4671	479363.09	3860377.25	2.9092	0.74788	2.29946	2.63144	12.6963	2.01983	0.75863	0.74788	29.8510323	0.33658015	5.833E-05	0.136312	5.854903	0.27943	1.309782	1.23919158	36.52891
4672	479863.09	3860377.25	2.90974	0.80459	3.5634	2.93789	15.48653	2.16632	0.8121	0.80459	29.8565732	0.362102239	9.04E-05	0.152187	7.141619	0.2997	1.402099	1.33315659	37.88121
4673	480363.09	3860377.25	2.84925	0.89848	4.65615	2.8396	13.70485	2.17323	0.90772	0.89848	29.2358909	0.404357026	0.0001181	0.147095	6.319997	0.30066	1.567188	1.4887266	36.48657
4674	480863.09	3860377.25	2.80216	1.08108	3.33914	2.67512	12.49335	2.25982	1.10466	1.08108	28.7527048	0.486535364	8.471E-05	0.138575	5.761313	0.31264	1.907207	1.79128367	35.56777
4675	481363.09	3860377.25	2.79648	1.24099	4.81955	2.58781	11.2055	2.45604	1.2655	1.24099	28.6944228	0.558502166	0.0001223	0.134052	5.16742	0.33978	2.184899	2.05624479	35.02295
4676	481863.09	3860377.25	2.76011	1.63898	5.24806	2.84872	8.28366	2.76195	1.45005	1.63898	28.3212336	0.737615839	0.0001331	0.147568	3.820013	0.3821	2.503526	2.71568997	33.1965
4677	482363.09	3860377.25	2.73634	1.56282	4.08113	3.39646	10.15168	3.06684	1.58881	1.56282	28.0773318	0.703340362	0.0001035	0.175941	4.681451	0.42428	2.743097	2.58949749	34.21605
4678	482863.09	3860377.25	3.17025	1.66828	4.12852	3.82123	12.97887	2.98444	1.69524	1.66828	32.5296422	0.750802177	0.0001047	0.197945	5.985211	0.41288	2.926849	2.76423828	40.0392
4679	483363.09	3860377.25	3.42704	1.91305	4.92498	3.61318	13.27673	2.92218	1.93046	1.91305	35.1645407	0.860959854	0.0001249	0.187168	6.122569	0.40427	3.332959	3.16980725	42.90278
4680	483863.09	3860377.25	3.24817	2.0178	6.3361	2.84966	13.76881	2.86449	2.03139	2.0178	33.3291722	0.908102137	0.0001607	0.147616	6.349492	0.39629	3.507215	3.34337162	41.29468
4681	484363.09	3860377.25	2.95948	2.44628	5.83362	3.69973	19.13823	2.91326	2.45347	2.44628	30.3669508	1.100937702	0.000148	0.191651	8.825602	0.40304	4.235941	4.05333686	41.07093
4682	484863.09	3860377.25	2.86395	2.61677	7.46402	4.65515	18.21809	3.13665	2.61935	2.61677	29.3867263	1.177665987	0.0001893	0.241143	8.401279	0.43394	4.522334	4.3358284	39.82745
4683	485363.09	3860377.25	3.45496	2.70764	5.4711	4.81688	12.68558	3.62096	2.70647	2.70764	35.4510252	1.218561637	0.0001388	0.249521	5.84996	0.50094	4.672748	4.48639445	43.4565
4684	485863.09	3860377.25	3.78036	2.72502	7.832	4.20057	14.16923	3.98139	2.71856	2.72502	38.7899246	1.22638343	0.0001987	0.217595	6.534146	0.55081	4.693621	4.51519205	47.49748
4685	486363.09	3860377.25	5.75754	2.63252	6.82692	3.65978	14.39251	4.64493	2.62052	2.63252	59.0775858	1.184754206	0.0001732	0.189582	6.637111	0.6426	4.524354	4.36192519	67.89424
4686	486863.09	3860377.25	6.9627	2.85831	6.0995	4.79003	14.686	5.70137	2.87664	2.85831	71.4436212	1.286370016	0.0001547	0.24813	6.772454	0.78876	4.966548	4.73604546	80.76999
4687	487363.09	3860377.25	9.55581	3.47685	7.9803	5.31335	25.21751	8.15213	3.4954	3.47685	98.0512832	1.56474126	0.0002024	0.275239	11.62906	1.12781	6.034844	5.76092854	112.9223
4688	487863.09	3860377.25	19.66276	3.85137	8.23138	5.59748	13.23816	11.60984	3.8625	3.85137	201.757763	1.733292362	0.0002088	0.289957	6.104782	1.60616	6.668645	6.38148535	211.7793
4689	488363.09	3860377.25	21.29176	3.82859	10.23271	7.61901	17.49605	16.23454	3.86988	3.82859	218.472781	1.723040321	0.0002596	0.394675	8.06831	2.24597	6.681387	6.34374028	231.2427
4690	488863.09	3860377.25	17.7717	5.52417	10.95518	10.43029	19.44544	7.46691	5.56796	5.52417	182.353771	2.486128745	0.0002779	0.540304	8.967272	1.03301	9.613139	9.153213	195.8407
4691	489363.09	3860377.25	10.6827	6.2568	14.23905	12.15708	32.68126	5.01794	6.28126	6.2568	109.614197	2.815845699	0.0003612	0.629754	15.07097	0.69421	10.84466	10.3671363	129.3029
4692	489863.09	3860377.25	7.02891	5.04233	13.70715	6.96118	43.53512	5.74065	5.04182	5.04233	72.1229959	2.269278743	0.0003477	0.360599	20.07624	0.79419	8.704753	8.35483349	95.97357
4693	490363.09	3860377.25	7.44312	4.10045	9.52754	8.17902	26.99591	6.3845	4.34358	4.10045	76.3731664	1.845389735	0.0002417	0.423685	12.44917	0.88326	7.499235	6.79419573	92.67996
4694	490863.09	3860377.25	7.50133	5.75765	12.84749	9.25093	11.45384	5.32358	5.69062	5.75765	76.9704538	2.591205406	0.0003259	0.479211	5.281942	0.73649	9.824913	9.54007513	86.34447
4695	491363.09	3860377.25	8.5226	9.76316	18.22929	9.76986	12.57181	6.49502	8.36789	9.76316	87.4496109	4.393867806	0.0004624	0.506092	5.797495	0.89855	14.44725	16.1769611	97.31637
4696	491863.09	3860377.25	10.614	11.3046	12.44878	16.23333	10.64226	10.4812	10.4176	11.3046	108.909273	5.087586192	0.0003158	0.840909	4.907682	1.45002	17.98616	18.7310332	120.4509
4697	492363.09	3860377.25	5.84618	6.05622	11.06958	17.12399	15.24288	15.87387	5.70377	6.05622	59.9871127	2.72557554	0.0002808	0.887047	7.02926	2.19607	9.847617	10.0347874	72.63818
4698	492863.09	3860377.25	4.43815	4.42893	8.47706	11.22602	18.73751	16.24551	4.28941	4.42893	45.539447	1.993220734	0.000215	0.581524	8.640809	2.24749	7.40571	7.33846707	59.06995
4699	493363.09	3860377.25	3.83303	3.34482	7.98968	8.66248	19.00329	9.2553	3.33163	3.34482	39.3303666	1.505321732	0.0002027	0.448729	8.763374	1.28043	5.752093	5.54216288	51.53835
4700	493863.09	3860377.25	3.51314	2.49449	6.9985	5.86283	13.73902	7.46195	2.50908	2.49449	36.0480048	1.122634404	0.0001775	0.303703	6.335754	1.03232	4.331952	4.13321789	45.04133
4701	494363.09	3860377.25	3.36819	2.22354	6.63223	4.62473	9.99784	6.15804	2.23336	2.22354	34.5606863	1.000694532	0.0001682	0.239567	4.610508	0.85193	3.855919	3.68427026	41.43521
4702	494863.09	3860377.25	3.15939	2.17297	5.74693	3.97463	12.12394	12.57724	2.17992	2.17297	32.4182088	0.977935722	0.0001458	0.205891	5.590959	1.74	3.763654	3.60047885	41.09632
4703	495363.09	3860377.25	3.16557	2.00337	4.45011	4.03338	11.80203	6.86222	2.01397	2.00337	32.4816212	0.901607978	0.0001129	0.208935	5.44251	0.94935	3.47714	3.31946199	40.14182
4704	495863.09	3860377.25	3.34317	1.43183	3.61273	3.06529	12.04164	3.92736	1.44721	1.43183	34.3039584	0.64438888	9.165E-05	0.158786	5.553007	0.54333	2.498623	2.37245504	41.32973
4705	496363.09	3860377.25	3.41724	1.45186	2.38557	2.72439	12.16427	2.99584	1.52875	1.45186	35.0639838	0.653403295	6.052E-05	0.141127	5.609557	0.41446	2.639402	2.40564353	42.11635
4706	496863.09	3860377.25	3.39822	1.51668	2.25322	2.13685	12.82672	2.65559	1.53684	1.51668	34.8688213	0.682575255	5.716E-05	0.110692	5.915047	0.36739	2.65337	2.51304632	42.0849
4707	497363.09	3860377.25	3.38186	1.24856	2.15359	1.89176	9.34261	2.59973	1.25801	1.24856	34.7009529	0.561909012	5.463E-05	0.097996	4.308348	0.35966	2.171967	2.06878782	40.1321
4708	497863.09	3860377.25	3.23367	0.99691	2.11424	2.76922	10.14792	2.55151	0.81211	0.99691	33.180389	0.448655021	5.363E-05	0.143449	4.679717	0.35299	1.402116	1.65181911	38.55555
4709	498363.09	3860377.25	3.02569	1.22821	2.47178	2.67164	9.03675	3.00925	1.20536	1.22821	31.0463254	0.552750583	6.27E-05	0.138395	4.167301	0.41632	2.081066	2.03506911	36.36715
4710	471363.09	3860877.25	1.91083	0.66573	1.8027	1.33424	5.77345	1.52902	0.67189	0.66573	19.60685	0.299608899	4.573E-05	0.069115	2.662429	0.21153	1.160025	1.10307403	22.90653
4711	471863.09	3860877.25	1.80057	0.67235	1.90125	1.30802	5.44457	1.61946	0.67863	0.67235	18.4754824	0.302588201	4.823E-05	0.067757	2.510765	0.22404	1.171662	1.11404297	21.6383
4712	472363.09	3860877.25	1.83838	0.69357	2.22233	1.30618	4.96319	1.68421	0.70031	0.69357	18.8634473	0.31213817	5.638E-05	0.067662	2.288777	0.233	1.209092	1.14920322	21.82497
4713	472863.09	3860877.25	1.88298	0.71269	2.51732	1.41306	6.06719	1.7566	0.7199	0.71269	19.3210837	0.320743043	6.386E-05	0.073198	2.797887	0.24302	1.242915	1.18088389	22.81802
4714	473363.09	3860877.25	1.93823	0.71991	2.30902	1.57166	7.80187	1.76362	0.72711	0.71991	19.8879989	0.323992373	5.857E-05	0.081414	3.597835	0.24399	1.255363	1.19284699	24.1978
4715	473863.09	3860877.25	1.99865	0.70089	1.79434	1.77747	9.4622	1.72732	0.70782	0.70089	20.5079629	0.315432504	4.552E-05	0.092075	4.363497	0.23897	1.222058	1.16133201	25.57871
4716	474363.09	3860877.25	2.06601	0.69135	2.19849	2.01746	10.77464	1.62953	0.69802	0.69135	21.1991377	0.311139068	5.577E-05	0.104507	4.968729	0.22544	1.205139	1.14552481	26.86862

4717	474863.09	3860877.25	2.12756	0.7075	1.91991	2.21936	11.51989	1.53156	0.71427	0.7075	21.8306965	0.318407306	4.87E-05	0.114966	5.312401	0.21188	1.233194	1.17228438	27.84931
4718	475363.09	3860877.25	2.20673	0.73952	1.69682	2.38779	11.40034	1.26535	0.74708	0.73952	22.6430526	0.332817768	4.304E-05	0.123691	5.257271	0.17505	1.289841	1.22533957	28.59643
4719	475863.09	3860877.25	2.27193	0.72382	1.68496	2.28123	10.43561	1.13252	0.73617	0.72382	23.3120637	0.325752051	4.274E-05	0.118171	4.812385	0.15668	1.271005	1.19932562	28.79677
4720	476363.09	3860877.25	2.33449	0.71026	1.83795	1.83392	8.77814	1.0782	0.72361	0.71026	23.9539861	0.319649432	4.662E-05	0.095	4.048042	0.14916	1.24932	1.17685753	28.63835
4721	476863.09	3860877.25	2.32302	0.70534	1.30146	1.47088	6.74651	1.06365	0.71739	0.70534	23.8362935	0.317435207	3.302E-05	0.076194	3.111156	0.14715	1.238581	1.16870539	27.55814
4722	477363.09	3860877.25	2.3376	0.70744	1.02931	1.4292	6.09813	1.10528	0.71957	0.70744	23.9858975	0.318380303	2.611E-05	0.074035	2.812155	0.15291	1.242345	1.17218496	27.41356
4723	477863.09	3860877.25	2.11815	0.43691	0.86419	1.46023	5.06867	1.0169	0.44243	0.43691	21.7341414	0.19662945	2.192E-05	0.075642	2.337419	0.14068	0.76386	0.72393324	24.52446
4724	478363.09	3860877.25	1.76177	0.37117	0.74431	1.02238	4.75039	1.02828	0.3731	0.37117	18.0773591	0.167043448	1.888E-05	0.052961	2.190644	0.14226	0.644161	0.61500607	20.65944
4725	478863.09	3860877.25	2.32761	0.66884	2.13505	1.44298	8.8782	1.02672	0.68034	0.66884	23.8833911	0.301008541	5.416E-05	0.074748	4.094185	0.14204	1.174614	1.10822711	28.56182
4726	479363.09	3860877.25	2.61612	0.74771	2.49986	2.1063	11.75176	1.88004	0.75764	0.74771	26.8437655	0.336503642	6.342E-05	0.109109	5.419328	0.26009	1.308073	1.2389099	33.03803
4727	479863.09	3860877.25	2.63964	0.80959	3.92871	2.50777	11.7835	1.72606	0.81752	0.80959	27.0851021	0.364352468	9.966E-05	0.129906	5.433965	0.23879	1.411457	1.34144129	33.32223
4728	480363.09	3860877.25	2.44585	0.90379	4.16044	2.98016	9.30542	2.13089	0.91265	0.90379	25.0966408	0.406746769	0.0001055	0.154376	4.291198	0.2948	1.575699	1.49752495	30.32204
4729	480863.09	3860877.25	2.24293	0.96169	4.12738	3.3831	7.27508	2.49852	0.96803	0.96169	23.0144974	0.432804413	0.0001047	0.175249	3.354906	0.34566	1.671314	1.59346172	27.40107
4730	481363.09	3860877.25	2.25138	1.13172	4.51779	3.47091	8.31549	2.65228	1.06734	1.13172	23.1012021	0.509325677	0.0001146	0.179798	3.834691	0.36693	1.842773	1.87519106	27.95964
4731	481863.09	3860877.25	2.45654	1.66466	4.71219	3.09925	9.86937	2.42616	1.24868	1.66466	25.2063299	0.749173012	0.0001195	0.160545	4.551264	0.33565	2.155859	2.75824016	30.4007
4732	482363.09	3860877.25	2.68922	1.41461	4.66631	2.45537	11.817	2.40057	1.0365	1.41461	27.5938379	0.636639094	0.0001184	0.127192	5.449414	0.33211	1.789528	2.34392255	33.58491
4733	482863.09	3860877.25	3.16926	1.08238	4.31677	2.87875	10.57038	2.54876	1.09554	1.08238	32.5194839	0.487120424	0.0001095	0.149123	4.874535	0.35261	1.891461	1.79343769	38.481
4734	483363.09	3860877.25	3.43343	1.14796	4.87177	3.65686	12.83358	2.72749	1.16111	1.14796	35.2301079	0.516634418	0.0001236	0.18943	5.91821	0.37733	2.004668	1.90209975	42.33441
4735	483863.09	3860877.25	3.18454	1.23163	5.39805	4.03028	17.9247	2.916	1.24413	1.23163	32.6762706	0.554289739	0.0001369	0.208774	8.265982	0.40341	2.148003	2.04073584	42.21613
4736	484363.09	3860877.25	2.66595	1.5071	7.1542	3.86201	16.464	3.25362	1.50795	1.5071	27.3550666	0.678263817	0.0001815	0.200058	7.59238	0.45012	2.603491	2.49717284	36.38239
4737	484863.09	3860877.25	2.96406	1.84265	4.46191	3.19104	10.43	3.37819	1.84462	1.84265	30.4139457	0.829276639	0.0001132	0.1653	4.809798	0.46736	3.184755	3.05315874	36.81739
4738	485363.09	3860877.25	3.18161	2.11705	5.83539	2.89502	12.63743	3.83259	2.12162	2.11705	32.6462062	0.952769169	0.000148	0.149966	5.827755	0.53022	3.662998	3.50782282	40.26224
4739	485863.09	3860877.25	3.33829	2.38946	6.04758	3.32984	11.56173	4.70179	2.3967	2.38946	34.2538852	1.075366108	0.0001534	0.17249	5.331696	0.65047	4.137927	3.95918959	41.6628
4740	486363.09	3860877.25	4.1358	2.68875	6.92511	4.30186	11.56617	5.27644	2.69649	2.68875	42.4370616	1.210060274	0.0001757	0.222842	5.333743	0.72997	4.655517	4.45509487	50.13428
4741	486863.09	3860877.25	5.8791	2.95317	6.55416	4.25092	12.36759	6.22229	2.96168	2.95317	60.3249017	1.329061348	0.0001663	0.220204	5.703319	0.86082	5.113371	4.8932227	68.65862
4742	487363.09	3860877.25	7.03935	3.19546	5.83791	4.53864	25.12564	6.54852	3.20433	3.19546	72.2301197	1.438102911	0.0001481	0.235108	11.5867	0.90596	5.532308	5.29468246	86.63376
4743	487863.09	3860877.25	11.41319	3.60005	7.59539	5.7994	10.2775	10.71311	3.62306	3.60005	117.109688	1.620186886	0.0001927	0.300417	4.739473	1.48211	6.25525	5.96506343	125.5422
4744	488363.09	3860877.25	20.54263	3.87365	9.14733	6.38841	12.00522	12.16036	3.89955	3.87365	210.786028	1.743319379	0.000232	0.330929	5.536212	1.68233	6.732613	6.41840196	220.3933
4745	488863.09	3860877.25	18.57753	4.30126	10.96003	8.48047	20.3164	7.39925	4.32119	4.30126	190.622318	1.935763405	0.000278	0.4393	9.368915	1.02365	7.460578	7.12692566	203.7239
4746	489363.09	3860877.25	14.50723	4.27798	11.09067	11.927	13.43518	5.65074	4.28475	4.27798	148.857346	1.925286342	0.0002813	0.617835	6.195638	0.78175	7.397664	7.08835212	158.6875
4747	489863.09	3860877.25	6.82025	5.22273	8.53061	5.79284	35.65586	4.04181	5.27649	5.22273	69.9819549	2.350466981	0.0002164	0.300077	16.44271	0.55916	9.109913	8.65374529	90.09076
4748	490363.09	3860877.25	5.65906	6.42481	6.84958	4.70786	28.61811	3.68194	6.45626	6.42481	58.0670916	2.89145787	0.0001738	0.243874	13.19725	0.50938	11.1468	10.6455186	75.41051
4749	490863.09	3860877.25	5.90196	7.31949	8.19237	6.31565	20.88501	4.46647	7.39858	7.31949	60.5594661	3.294104723	0.0002078	0.327159	9.63113	0.61791	12.77372	12.1279488	75.07576
4750	491363.09	3860877.25	6.29942	10.06195	8.55258	6.70049	9.28369	4.75249	10.063	10.06195	64.6377664	4.52833695	0.000217	0.347095	4.281177	0.65748	17.37379	16.6720379	75.15382
4751	491863.09	3860877.25	6.81055	8.52181	12.71609	6.6069	10.63092	4.33348	8.6002	8.52181	69.8824241	3.835203624	0.0003226	0.342247	4.902453	0.59952	14.84833	14.1201198	80.29038
4752	492363.09	3860877.25	8.02734	16.42783	14.53439	8.5959	7.33793	5.80645	15.4283	16.42783	82.3677938	7.393273629	0.0003687	0.44528	3.383889	0.80329	26.6371	27.2199131	93.81108
4753	492863.09	3860877.25	6.77226	6.07326	9.96279	9.98174	11.3532	7.04405	5.55918	6.07326	69.4895339	2.733244318	0.0002527	0.517068	5.235532	0.97451	9.597981	10.0630217	78.4851
4754	493363.09	3860877.25	4.97291	4.75528	8.74615	7.97386	12.34382	8.09273	4.08198	4.75528	51.0265699	2.140093136	0.0002219	0.413057	5.692357	1.11959	7.04758	7.87920913	59.56026
4755	493863.09	3860877.25	3.76731	3.45943	6.78029	5.7523	15.63641	11.86685	3.10424	3.45943	38.6560197	1.556901465	0.000172	0.297977	7.210736	1.64172	5.359502	5.73206466	48.99096
4756	494363.09	3860877.25	3.33774	2.87223	5.82977	5.03287	14.11875	25.59331	2.78874	2.87223	34.2482417	1.292634652	0.0001479	0.26071	6.510867	3.54071	4.814788	4.75911005	45.90899
4757	494863.09	3860877.25	3.17318	2.52801	5.92059	4.7597	10.64838	14.43081	2.35994	2.52801	32.5597067	1.137719934	0.0001502	0.246559	4.910504	1.99643	4.07446	4.18875849	40.73677
4758	495363.09	3860877.25	3.02244	2.12722	5.88779	3.71048	7.33401	9.11377	1.86972	2.12722	31.0129775	0.957346133	0.0001494	0.192208	3.382081	1.26085	3.228091	3.52467389	36.50902
4759	495863.09	3860877.25	2.80758	1.80876	5.28811	3.5456	9.50495	6.98105	1.61887	1.80876	28.8083189	0.814024592	0.0001341	0.183667	4.383211	0.96579	2.794995	2.99700508	34.95314
4760	496363.09	3860877.25	2.86431	1.7513	4.72661	3.70086	10.0929	6.22083	1.61252	1.7513	29.3904202	0.788164968	0.0001199	0.19171	4.654344	0.86062	2.784032	2.90179736	35.76762
4761	496863.09	3860877.25	3.01304	1.421	3.92386	2.93009	10.9448	3.72109	1.31568	1.421	30.916525	0.639514886	9.954E-05	0.151783	5.047198	0.51479	2.271535	2.35451039	37.18694
4762	497363.09	3860877.25	2.994	1.283	3.50204	2.59814	8.96629	3.32628	1.22377	1.283	30.7211573	0.577408584	8.884E-05	0.134587	4.134808	0.46017	2.112851	2.1258528	36.01522
4763	497863.09	3860877.25	3.01039	1.14217	2.74243	2.47807	10.17068	2.77594	1.12175	1.14217	30.8893336	0.514028654	6.957E-05	0.128367	4.690213	0.38404	1.936713	1.89250608	36.65026
4764	498363.09	3860877.25	2.91337	1.37522	3.10117	2.40741	8.39999	3.85901	1.37898	1.37522	29.8938203	0.618911795	7.867E-05	0.124707	3.873658	0.53388	2.380823	2.27865572	35.14722
4765	471363.09	3861377.25	1.76962	0.64838	2.20873	1.57889	6.84224	1.53222	0.65469	0.64838	18.1579073	0.291800606	5.603E-05	0.081789	3.155301	0.21198	1.130329	1.07432614	21.95483
4766	471863.09	3861377.25	1.80609	0.65687	2.25066	1.70061	8.37878	1.51446	0.66325	0.65687	18.5321226	0.295621494	5.709E-05	0.088094	3.863877	0.20952	1.145108	1.08839355	23.046
4767	472363.09	3861377.25	1.84107	0.67802	1.93988	1.80802	9.73478	1.49072	0.68482	0.67802	18.8910491	0.30513996	4.921E-05	0.093658	4.489197	0.20623	1.182349	1.12343782	24.04424
4768	472863.09	3861377.25	1.86799	0.69591	1.60809	1.86208	10.72885	1.48651	0.70297	0.69591	19.1672727	0.313191277	4.079E-05	0.096458	4.947613	0.20565	1.213685	1.15308046	24.79083
4769	473363.09	3861377.25	1.89955	0.69829	1.80742	1.9279	11.085	1.46301	0.70532	0.69829	19.491107	0.314262385	4.585E-05	0.099868	5.111852	0.2024	1.217742	1.15702397	25.28025
4770	473863.09	3861377.25	1.93668	0.68247	2.05173	2.00277	10.68715	1.42089	0.68935	0.68247	19.8720945	0.307142663	5.205E-05	0.103746	4.928383	0.19657	1.19017	1.13081119	25.46735
4771	474363.09	3861377.25	1.95285	0.65858	1.67842	1.9719	9.71288	1.47546	0.66533	0.65858	20.0380134	0.296391072	4.258E-05	0.102147	4.479098	0.20412	1.148699	1.09122692	25.17729
4772	474863.09	3861377.25	1.98675	0.68617	1.83174	1.96427	8.06014	1.64853	0.69311	0.68617	20.3858581	0.308807832	4.647E-05	0.101752	3.716936	0.22807	1.196661	1.13694187	24.80119
4773	475363.09	3861377.25	1.99263	0.70875	1.98587	1.88458	6.25081	1.81118	0.71615	0.70875	20.4461923	0.318969863	5.038E-05	0.097624	2.882563	0.25057	1.23644	1.17435555	24.05805
4774	475863.09	3861377.25	2.02142	0.75606	1.95105	1.81057	6.2168	1.92439	0.76359	0.75606	20.7416038	0.340261523	4.949E-05	0.09379	2.86688	0.26623	1.318346	1.25274534	24.37441
4775	476363.09	3861377.25	2.04901	0.74812	2.63642	1.76268	7.74039	1.97817	0.75547	0.74812	21.0247022	0.336688161	6.688E-05	0.091309	3.569484	0.27367	1.304327	1.23958924	25.36066

4776	476863.09	3861377.25	2.06015	0.73374	2.37818	1.7235	10.41722	1.96664	0.74238	0.73374	21.1390087	0.330216504	6.033E-05	0.08928	4.803905	0.27208	1.281727	1.21576246	26.70051
4777	477363.09	3861377.25	2.06258	0.72855	1.58723	1.96271	11.77018	1.87854	0.73996	0.72855	21.1639427	0.327880767	4.026E-05	0.101671	5.427823	0.25989	1.277548	1.20716295	27.35163
4778	477863.09	3861377.25	1.99324	0.70814	1.41485	1.89236	8.89881	0.95087	0.72125	0.70814	20.4524514	0.318695335	3.589E-05	0.098027	4.103689	0.13155	1.245245	1.17334482	25.17635
4779	478363.09	3861377.25	1.95585	0.37254	1.10408	1.35282	5.25258	0.81279	0.37448	0.37254	20.0687961	0.167660011	2.801E-05	0.070078	2.422229	0.11245	0.646544	0.61727607	22.8705
4780	478863.09	3861377.25	2.02484	0.37678	0.94737	1.83555	4.56093	0.8134	0.38024	0.37678	20.7766961	0.169568205	2.403E-05	0.095084	2.103275	0.11253	0.656488	0.6243015	23.28936
4781	479363.09	3861377.25	2.49674	0.73921	2.3184	3.19229	7.45869	1.25661	0.74993	0.73921	25.6188184	0.332678254	5.881E-05	0.165365	3.439578	0.17385	1.294762	1.22482592	29.80028
4782	479863.09	3861377.25	2.33824	0.81084	2.97524	3.10377	6.96386	1.74134	0.81885	0.81084	23.9924645	0.364915025	7.548E-05	0.16078	3.211387	0.24091	1.413753	1.34351246	28.04077
4783	480363.09	3861377.25	2.1574	0.91103	3.19735	2.66276	6.80586	2.16503	0.91932	0.91103	22.136882	0.4100051	8.111E-05	0.137935	3.138525	0.29952	1.587215	1.50952118	26.20064
4784	480863.09	3861377.25	2.23684	0.96405	2.87705	2.16393	7.90294	2.14849	0.96587	0.96405	22.9520085	0.433866521	7.298E-05	0.112095	3.644444	0.29723	1.667584	1.59737209	27.50993
4785	481363.09	3861377.25	2.28077	1.18843	3.11344	2.20683	9.78678	2.30586	1.08749	1.18843	23.4027702	0.534847766	7.898E-05	0.114317	4.513177	0.319	1.877563	1.96915608	28.7926
4786	481863.09	3861377.25	2.26391	1.64917	2.63897	2.80327	10.21493	2.46528	1.21762	1.64917	23.2297713	0.742201805	6.694E-05	0.145213	4.710619	0.34106	2.102233	2.73257417	28.53859
4787	482363.09	3861377.25	2.7241	1.31747	4.38127	3.27561	9.01724	2.66553	0.97161	1.31747	27.9517383	0.592921658	0.0001111	0.169681	4.158303	0.36876	1.677495	2.18296749	32.73605
4788	482863.09	3861377.25	3.1719	1.00355	3.63727	3.36328	11.85811	2.86696	1.01256	1.00355	32.5465727	0.451643324	9.227E-05	0.174223	5.468372	0.39663	1.748195	1.66282118	39.12291
4789	483363.09	3861377.25	3.3809	1.04229	4.77109	3.12775	15.86448	3.08012	1.05202	1.04229	34.6911024	0.469078093	0.000121	0.162022	7.315911	0.42612	1.816323	1.727011	43.15367
4790	483863.09	3861377.25	3.08546	1.10862	6.3183	2.6501	14.72453	3.17329	1.11744	1.10862	31.6596199	0.498929622	0.0001603	0.137279	6.790222	0.43901	1.929271	1.83691577	39.61758
4791	484363.09	3861377.25	2.7931	1.12582	4.71665	2.33866	8.83065	3.12666	1.13524	1.12582	28.6597409	0.506670407	0.0001197	0.121146	4.072257	0.43256	1.960003	1.86541512	33.88708
4792	484863.09	3861377.25	2.84159	1.27625	5.5936	2.70137	11.02658	2.70676	1.28349	1.27625	29.1572924	0.574370776	0.0001419	0.139935	5.084911	0.37447	2.215958	2.11466846	35.43241
4793	485363.09	3861377.25	2.78399	1.3669	4.85841	3.32964	10.57598	2.80865	1.37362	1.3669	28.5662641	0.615167416	0.0001232	0.17248	4.877117	0.38856	2.371569	2.26486999	34.72641
4794	485863.09	3861377.25	2.86285	1.41838	5.36749	3.7391	11.71327	2.96054	1.42551	1.41838	29.3754393	0.638335766	0.0001362	0.193691	5.401579	0.40958	2.461157	2.35016921	36.12974
4795	486363.09	3861377.25	3.27956	1.48777	4.9675	3.42216	11.4741	3.4778	1.49453	1.48777	33.651262	0.669564435	0.000126	0.177273	5.291285	0.48114	2.580321	2.46514421	40.38582
4796	486863.09	3861377.25	4.59843	1.56229	6.35119	3.95659	14.05333	3.00746	1.56889	1.56229	47.1840652	0.703101837	0.0001611	0.204957	6.480698	0.41607	2.708704	2.58861931	55.10914
4797	487363.09	3861377.25	5.93094	1.71267	6.26631	4.80366	24.22138	4.49633	1.7293	1.71267	60.8568272	0.770779704	0.000159	0.248836	11.1697	0.62205	2.985654	2.8377898	73.81621
4798	487863.09	3861377.25	7.58449	1.87352	6.79439	4.86405	8.73371	5.08821	1.89267	1.87352	77.8237509	0.843169549	0.0001724	0.251965	4.027554	0.70393	3.267714	3.10430845	83.81395
4799	488363.09	3861377.25	13.50629	2.12348	6.38308	4.74681	7.80713	6.95192	2.13582	2.12348	138.586793	0.955662963	0.0001619	0.245891	3.600261	0.96176	3.687515	3.51847694	144.5196
4800	488863.09	3861377.25	15.77988	2.58024	8.60257	7.80724	18.16078	7.62936	2.60011	2.58024	161.91589	1.161225819	0.0002182	0.404426	8.37485	1.05548	4.489116	4.27530042	173.1259
4801	489363.09	3861377.25	13.90043	3.12227	5.78055	11.12576	7.64295	5.49468	3.15209	3.12227	142.631027	1.405164069	0.0001466	0.57633	3.524549	0.76016	5.442115	5.17341109	149.1661
4802	489863.09	3861377.25	9.0254	3.71578	6.04129	5.22326	20.55322	4.45273	3.75507	3.71578	92.6087952	1.67227067	0.0001533	0.270572	9.478125	0.61601	6.483166	6.15682099	104.9723
4803	490363.09	3861377.25	5.3778	4.39187	6.17709	4.52873	31.95832	3.39402	4.44477	4.39187	55.1811088	1.976542042	0.0001567	0.234595	14.73759	0.46955	7.67394	7.27706091	72.99642
4804	490863.09	3861377.25	4.6355	5.15884	7.85944	4.45773	18.21129	2.77866	5.22602	5.15884	47.5644371	2.321713563	0.0001994	0.230917	8.398143	0.38441	9.022777	8.54788345	59.37472
4805	491363.09	3861377.25	4.82722	6.19874	5.10935	4.95988	16.26467	3.61317	6.29006	6.19874	49.5316583	2.789716047	0.0001296	0.256929	7.500458	0.49986	10.85985	10.2709344	61.16767
4806	491863.09	3861377.25	5.25158	7.62074	6.29635	5.40697	7.72981	3.6024	7.72922	7.62074	53.885977	3.429680979	0.0001597	0.280089	3.564605	0.49837	13.34458	12.6271017	62.37636
4807	492363.09	3861377.25	5.71404	9.63917	8.33636	5.72917	8.838	3.78965	9.78409	9.63917	58.6312363	4.338066645	0.0002115	0.296779	4.075647	0.52428	16.89233	15.9715172	68.78703
4808	492863.09	3861377.25	6.33002	15.1828	11.76829	5.59604	6.97037	4.06996	15.6264	15.1828	64.9517502	6.832953279	0.0002985	0.289883	3.214389	0.56306	26.97909	25.1569742	77.67444
4809	493363.09	3861377.25	6.65392	15.49951	11.72828	6.6425	8.25162	5.13873	14.8242	15.49951	68.2752581	6.97548724	0.0002975	0.344091	3.805238	0.71092	25.59415	25.6817434	80.02369
4810	493863.09	3861377.25	5.50078	7.11716	8.19709	6.72991	10.12026	5.52617	6.96875	7.11716	56.4429952	3.203046984	0.0002079	0.348619	4.666962	0.76452	12.03162	11.7927003	65.66527
4811	494363.09	3861377.25	4.20529	4.79108	6.37093	4.45495	11.36066	5.61053	4.78795	4.79108	43.150092	2.156204771	0.0001616	0.230773	5.238972	0.77619	8.266444	7.93852755	51.88031
4812	494863.09	3861377.25	3.22001	3.72794	5.87781	4.6231	12.81424	6.63468	3.74318	3.72794	33.040225	1.677743226	0.0001491	0.239483	5.909291	0.91788	6.462638	6.17696937	42.07044
4813	495363.09	3861377.25	3.03144	3.15607	4.63069	3.31655	10.9453	8.82965	3.17478	3.15607	31.1053257	1.420375613	0.0001175	0.171802	5.047429	1.22154	5.48129	5.22941563	39.21846
4814	495863.09	3861377.25	2.84234	2.83709	4.15105	3.05492	8.22552	8.14446	2.84311	2.83709	29.164988	1.276820047	0.0001053	0.158249	3.793202	1.12675	4.908658	4.70088521	35.72788
4815	496363.09	3861377.25	2.72687	2.50685	4.1408	3.22449	5.45339	7.70139	2.53176	2.50685	27.980161	1.128196968	0.000105	0.167033	2.514833	1.06545	4.371109	4.15369766	33.07319
4816	496863.09	3861377.25	2.69806	2.1134	4.88022	3.06177	7.76595	6.16526	2.11946	2.1134	27.6845443	0.951126502	0.0001238	0.158604	3.581271	0.85293	3.659269	3.50177499	33.3861
4817	497363.09	3861377.25	2.5997	2.08483	4.78868	2.59462	8.58251	5.43883	2.09258	2.08483	26.6752814	0.938268698	0.0001215	0.134405	3.957828	0.75244	3.612861	3.45443624	32.61676
4818	497863.09	3861377.25	2.57843	2.05911	4.43783	2.47461	8.19977	4.54714	2.06841	2.05911	26.4570319	0.926693523	0.0001126	0.128188	3.781327	0.62907	3.571131	3.41181977	32.08174
4819	498363.09	3861377.25	2.56462	2.03199	3.91393	2.76162	7.60214	3.85937	2.04307	2.03199	26.3153288	0.914488285	9.929E-05	0.143056	3.50573	0.53392	3.527381	3.36688358	31.57312
4820	471363.09	3861877.25	1.69301	0.63245	1.63542	1.64423	10.38811	1.3171	0.63864	0.63245	17.3718191	0.284631379	4.149E-05	0.085173	4.790481	0.18221	1.102618	1.0479311	22.76905
4821	471863.09	3861877.25	1.70495	0.64216	1.42919	1.63717	10.44192	1.3265	0.64844	0.64216	17.4943344	0.289001322	3.626E-05	0.084808	4.815295	0.18351	1.119538	1.06401998	22.92251
4822	472363.09	3861877.25	1.7122	0.66309	1.53119	1.61426	9.91326	1.36915	0.66971	0.66309	17.568726	0.298420778	3.884E-05	0.083621	4.571503	0.18942	1.156261	1.09869972	22.76929
4823	472863.09	3861877.25	1.71258	0.68077	1.81675	1.57789	8.8934	1.53385	0.68757	0.68077	17.5726251	0.306377585	4.609E-05	0.081737	4.101195	0.2122	1.187097	1.1279944	22.33328
4824	473363.09	3861877.25	1.71144	0.67722	1.86631	1.54988	7.3863	1.68853	0.68381	0.67722	17.5609277	0.304779923	4.734E-05	0.080286	3.406195	0.2336	1.180605	1.12211226	21.64433
4825	473863.09	3861877.25	1.71409	0.65688	2.038	1.53322	5.68508	1.81312	0.6634	0.65688	17.5881191	0.295625995	5.17E-05	0.079423	2.621677	0.25084	1.145367	1.08841012	20.89269
4826	474363.09	3861877.25	1.70778	0.64134	2.24978	1.51719	4.63016	1.89987	0.64776	0.64134	17.5233727	0.288632285	5.707E-05	0.078593	2.1352	0.26284	1.118364	1.06266129	20.3444
4827	474863.09	3861877.25	1.70405	0.65758	2.43746	1.60337	5.73225	1.92628	0.66431	0.65758	17.4850996	0.295941026	6.183E-05	0.083057	2.643429	0.26649	1.146938	1.08956998	20.83145
4828	475363.09	3861877.25	1.70896	0.68316	2.62022	1.83324	7.20226	1.89746	0.6903	0.68316	17.5354806	0.307453195	6.647E-05	0.094964	3.321325	0.2625	1.19181	1.13195448	21.58165
4829	475863.09	3861877.25	1.74267	0.6965	2.89463	2.10329	8.36684	1.82053	0.70376	0.6965	17.8813758	0.313456804	7.343E-05	0.108953	3.858371	0.25186	1.215049	1.15405805	22.47508
4830	476363.09	3861877.25	1.79284	0.71616	2.90795	2.42397	8.91798	1.70584	0.72395	0.71616	18.3961655	0.322304701	7.377E-05	0.125565	4.11253	0.23599	1.249907	1.18663347	23.25591
4831	476863.09	3861877.25	1.86065	0.74971	2.5719	2.73622	9.72678	1.58725	0.75741	0.74971	19.0919577	0.337403733	6.524E-05	0.14174	4.485508	0.21959	1.307676	1.24222378	24.34172
4832	477363.09	3861877.25	1.92962	0.7476	2.04671	2.94938	9.77469	1.49656	0.75466	0.7476	19.7996525	0.336454137	5.192E-05	0.152782	4.507602	0.20704	1.302928	1.23872763	25.06778
4833	477863.09	3861877.25	2.11089	0.70664	1.87959	2.54284	7.38249	0.98602	0.72066	0.70664	21.6596472	0.318020267	4.768E-05	0.131723	3.404438	0.13641	1.244227	1.17085941	25.72365
4834	478363.09	3861877.25	1.72536	0.36663	0.83212	1.34961	4.12997	0.72554	0.36855	0.36663	17.7037595	0.165000241	2.111E-05	0.069912	1.904537	0.10037	0.636305	0.60748356	19.97243

4835	478863.09	3861877.25	2.17895	0.39707	1.37013	1.37224	4.89745	0.97243	0.39974	0.39707
4836	479363.09	3861877.25	1.88807	0.38073	1.13617	1.09011	4.74365	0.94509	0.38451	0.38073
4837	479863.09	3861877.25	2.22232	0.8121	2.37868	1.93585	7.92515	1.64534	0.82014	0.8121
4838	480363.09	3861877.25	2.09474	0.90971	2.36656	2.28274	7.79325	2.18348	0.91675	0.90971
4839	480863.09	3861877.25	2.00239	0.96863	3.16362	2.66442	9.16433	2.2553	0.96462	0.96863
4840	481363.09	3861877.25	1.8833	1.21497	3.19112	2.87924	8.3951	2.21733	1.07678	1.21497
4841	481863.09	3861877.25	1.77953	1.58292	3.68443	2.80483	8.3032	2.10368	1.15452	1.58292
4842	482363.09	3861877.25	2.75581	1.23651	4.01575	2.59185	11.01202	1.95092	0.91158	1.23651
4843	482863.09	3861877.25	3.20207	0.99108	4.03234	2.19043	14.19702	2.03568	0.80572	0.99108
4844	483363.09	3861877.25	3.34534	0.95871	5.62674	2.01966	13.11335	2.33545	0.86648	0.95871
4845	483863.09	3861877.25	3.0234	0.93968	5.20563	2.21158	7.83117	2.61382	0.93313	0.93968
4846	484363.09	3861877.25	2.6152	1.01477	4.12509	2.46776	10.14485	2.21113	1.02018	1.01477
4847	484863.09	3861877.25	2.59808	1.07195	5.09045	3.21551	10.94256	2.51083	1.07787	1.07195
4848	485363.09	3861877.25	2.59249	1.16903	4.21255	3.16636	9.34553	2.05812	1.17589	1.16903
4849	485863.09	3861877.25	2.77993	1.25374	4.08504	3.06165	9.75603	2.97102	1.26162	1.25374
4850	486363.09	3861877.25	3.02709	1.32965	4.51092	3.4361	10.75497	3.28879	1.33849	1.32965
4851	486863.09	3861877.25	3.22099	1.40992	5.79148	4.09207	15.9207	3.03346	1.41983	1.40992
4852	487363.09	3861877.25	4.89662	1.49446	5.93149	4.09831	22.70318	4.66392	1.50563	1.49446
4853	487863.09	3861877.25	6.09615	1.58653	4.62959	3.67373	7.85883	3.1397	1.59925	1.58653
4854	488363.09	3861877.25	8.58422	1.68524	6.00427	4.84775	6.10944	4.30965	1.6996	1.68524
4855	488863.09	3861877.25	13.11966	1.78887	6.1669	7.49289	14.78131	5.41308	1.80507	1.78887
4856	489363.09	3861877.25	13.21173	2.20954	6.37616	10.98804	10.80849	5.99211	1.92399	2.20954
4857	489863.09	3861877.25	10.83219	2.17368	4.70344	4.81063	8.99818	4.54617	2.04819	2.17368
4858	490363.09	3861877.25	7.05892	2.17037	6.32575	4.04527	24.0969	3.58853	2.19386	2.17037
4859	490863.09	3861877.25	4.32525	2.42187	4.20891	3.38062	25.03496	2.90065	2.44582	2.42187
4860	491363.09	3861877.25	3.6925	2.68345	4.58734	4.13938	16.21823	2.43374	2.69757	2.68345
4861	491863.09	3861877.25	4.00467	3.04293	4.25272	4.05632	12.89842	2.78006	3.07095	3.04293
4862	492363.09	3861877.25	4.38174	3.46583	5.05183	4.49613	6.54501	2.93637	3.50377	3.46583
4863	492863.09	3861877.25	4.83677	4.08227	5.2489	5.04477	7.43476	3.10966	4.11853	4.08227
4864	493363.09	3861877.25	5.32928	5.28785	7.79978	3.94693	6.65894	3.29666	5.34504	5.28785
4865	493863.09	3861877.25	5.80437	10.06257	10.4138	5.46132	5.62058	3.78561	9.18344	10.06257
4866	494363.09	3861877.25	5.59972	12.0175	9.44376	5.36701	8.43647	4.33314	11.6662	12.0175
4867	494863.09	3861877.25	4.68644	22.04924	6.81596	5.02632	8.10374	4.48122	22.6348	22.04924
4868	495363.09	3861877.25	3.67004	15.11709	4.91172	3.65122	10.45415	4.4062	15.1233	15.11709
4869	495863.09	3861877.25	2.886	8.68274	5.0502	3.60406	10.74296	4.75563	8.70945	8.68274
4870	496363.09	3861877.25	2.80505	6.1332	4.40858	3.04449	8.98184	5.59144	6.14967	6.1332
4871	496863.09	3861877.25	3.0002	2.28909	4.37437	2.87828	7.70199	7.05265	2.31225	2.28909
4872	497363.09	3861877.25	2.60674	4.12186	3.63932	2.45302	4.55154	5.39639	4.1403	4.12186
4873	497863.09	3861877.25	2.44219	3.36842	3.22461	2.32546	5.9947	4.73061	3.36965	3.36842
4874	498363.09	3861877.25	2.27893	2.82	3.43627	2.33677	6.85436	4.50669	2.82564	2.82
4875	471363.09	3862377.25	1.50583	0.61896	1.93711	1.34096	7.94424	1.56734	0.62472	0.61896
4876	471863.09	3862377.25	1.5037	0.63149	2.05822	1.33934	6.56156	1.69696	0.63742	0.63149
4877	472363.09	3862377.25	1.53734	0.64903	2.19074	1.33758	4.96535	1.80126	0.65515	0.64903
4878	472863.09	3862377.25	1.58282	0.66547	2.28794	1.48174	3.9968	1.85342	0.67159	0.66547
4879	473363.09	3862377.25	1.6316	0.65945	2.34874	1.68859	4.60198	1.86011	0.66538	0.65945
4880	473863.09	3862377.25	1.67406	0.63457	2.36516	1.92975	5.85875	1.81842	0.64019	0.63457
4881	474363.09	3862377.25	1.71617	0.62579	2.31761	2.20256	6.98141	1.73778	0.63163	0.62579
4882	474863.09	3862377.25	1.75751	0.65046	2.17321	2.48732	7.73176	1.64173	0.65705	0.65046
4883	475363.09	3862377.25	1.71663	0.66212	2.68976	2.70582	7.869	1.55622	0.66845	0.66212
4884	475863.09	3862377.25	1.66499	0.67172	2.67867	2.80723	7.32558	1.55825	0.67791	0.67172
4885	476363.09	3862377.25	1.615	0.68347	2.66123	2.73249	7.28234	1.61314	0.69008	0.68347
4886	476863.09	3862377.25	1.79406	0.70478	2.73538	2.45538	6.84961	1.70453	0.7122	0.70478
4887	477363.09	3862377.25	1.98969	0.75024	2.06693	2.01216	5.74849	1.63465	0.75801	0.75024
4888	477863.09	3862377.25	2.15231	0.71439	1.57307	1.51934	5.77074	1.09511	0.72661	0.71439
4889	478363.09	3862377.25	2.15672	0.66211	1.20726	1.17919	4.63613	1.09467	0.67044	0.66211
4890	478863.09	3862377.25	2.05493	0.60388	1.73782	1.44835	6.03627	1.10924	0.61446	0.60388
4891	479363.09	3862377.25	2.08152	0.7239	1.42523	1.91268	7.03822	1.10641	0.73706	0.7239
4892	479863.09	3862377.25	1.9345	0.82222	2.50543	2.93999	8.71894	1.42963	0.83066	0.82222
4893	480363.09	3862377.25	1.71894	0.89526	2.66092	2.61548	8.50522	1.5443	0.90045	0.89526

22.3580046	0.178699631	3.476E-05	0.071084	2.258461	0.13453	0.690155	0.65792079	25.03305
19.3733118	0.171345885	2.882E-05	0.056469	2.187536	0.13075	0.66386	0.6308464	21.95245
22.8030201	0.365482082	6.034E-05	0.10028	3.654686	0.22762	1.41598	1.3456002	27.22153
21.4939335	0.409411039	6.003E-05	0.118249	3.59386	0.30207	1.582778	1.50733402	25.99303
20.5463387	0.43592773	8.025E-05	0.138021	4.226134	0.31201	1.665426	1.60496087	25.71898
19.3243672	0.546791978	8.095E-05	0.149149	3.871403	0.30676	1.859072	2.01313124	24.04449
18.2595929	0.712386279	9.347E-05	0.145294	3.829024	0.29103	1.99329	2.62280196	22.60791
28.2771117	0.556485962	0.0001019	0.134261	5.078197	0.2699	1.573852	2.04882171	33.84109
32.8561443	0.446031255	0.0001023	0.113467	6.546961	0.28163	1.391084	1.64215915	39.99326
34.3262245	0.431463277	0.0001427	0.104621	6.047226	0.3231	1.495987	1.58852404	41.14024
31.022828	0.422898908	0.0001321	0.114563	3.611347	0.36161	1.611058	1.55699249	35.58744
26.8343255	0.456692837	0.0001046	0.127833	4.678301	0.3059	1.761351	1.68141204	32.4831
26.6586588	0.482426447	0.0001291	0.166568	5.046165	0.34736	1.860953	1.77615582	32.78611
26.6013003	0.52611688	0.0001069	0.164022	4.309695	0.28473	2.030186	1.93701146	31.97915
28.5246048	0.564240248	0.0001036	0.158598	4.498997	0.41103	2.1782	2.07737077	34.2584
31.0606907	0.598403215	0.0001144	0.177995	4.959658	0.45499	2.310917	2.20314901	37.35962
33.0502807	0.63452838	0.0001469	0.211975	7.341837	0.41966	2.451351	2.33615151	41.77363
50.2437653	0.67257524	0.0001505	0.212298	10.46958	0.64523	2.599485	2.47622913	62.36686
62.5520317	0.714010944	0.0001174	0.190304	3.624102	0.43436	2.761121	2.62878351	67.64727
88.081888	0.758434952	0.0001523	0.25112	2.81737	0.59622	2.934377	2.79233997	92.64722
134.619619	0.805073184	0.0001564	0.388142	6.816406	0.74887	3.116472	2.96404856	143.5307
135.56434	0.994393892	0.0001617	0.569196	4.984339	0.82898	3.321788	3.66107311	142.6021
111.1481	0.978255255	0.0001193	0.249197	4.149514	0.62894	3.536221	3.60165528	117.0887
72.4309257	0.976765604	0.0001605	0.209551	11.11229	0.49646	3.787722	3.59617081	85.4177
44.3809905	1.089952088	0.0001068	0.175121	11.54488	0.40129	4.222733	4.01289098	57.80218
37.8884012	1.207675032	0.0001164	0.214426	7.479043	0.3367	4.657382	4.4463131	47.33743
41.0915487	1.369457447	0.0001079	0.210123	5.948111	0.38461	5.302026	5.04194955	49.26403
44.9606292	1.559781757	0.0001282	0.232906	3.018234	0.40623	6.049294	5.74266907	50.48454
49.6296499	1.837207905	0.0001332	0.261326	3.428542	0.43021	7.110684	6.76407258	55.93368
54.6832495	2.379773954	0.0001979	0.204456	3.070773	0.45608	9.228266	8.76164516	61.26115
59.5581041	4.528615978	0.0002642	0.282904	2.591932	0.52372	15.8553	16.6730652	66.66778
57.4582094	5.408423744	0.0002396	0.278019	3.890481	0.59947	20.14173	19.912265	67.8643
48.0871277	9.923164815	0.0001729	0.26037	3.737043	0.61995	39.07925	36.5342468	65.17283
37.6579412	6.803380778	0.0001246	0.189138	4.820935	0.60958	26.11046	25.0480968	51.14346
29.6129793	3.907629472	0.0001281	0.186695	4.95412	0.65792	15.03695	14.386771	39.96965
28.7823588	2.760220055	0.0001118	0.157709	4.141979	0.77355	10.61747	10.1623386	37.07106
30.7847749	1.030195025	0.000111	0.149099	3.551775	0.9757	3.992123	3.79288261	36.6909
26.7475182	1.855025213	9.232E-05	0.12707	2.098944	0.74656	7.14827	6.8296708	31.89381
25.0590859	1.515942809	8.18E-05	0.120462	2.764458	0.65446	5.817735	5.58126664	30.35096
23.3838901	1.269128767	8.717E-05	0.121048	3.160891	0.62348	4.878496	4.67256812	28.76445
15.4511825	0.278560263	4.914E-05	0.069464	3.663489	0.21683	1.078585	1.025579	19.73258
15.4293267	0.284199335	5.221E-05	0.06938	3.025866	0.23477	1.100512	1.04634044	19.09776
15.7745037	0.292093136	5.557E-05	0.069289	2.289773	0.2492	1.131123	1.07540315	18.73063
16.2411697	0.299491887	5.804E-05	0.076756	1.843126	0.25641	1.159507	1.10264323	18.77388
16.7416968	0.296782612	5.958E-05	0.087471	2.122205	0.25734	1.148785	1.09266846	19.56167
17.1773749	0.285585476	6E-05	0.099964	2.701765	0.25157	1.105295	1.05144381	20.57017
17.6094618	0.281634075	5.879E-05	0.114096	3.21948	0.24041	1.090516	1.03689589	21.51876
18.0336477	0.292736701	5.513E-05	0.128847	3.565504	0.22713	1.134403	1.07777258	22.30455
17.6141818	0.297984234	6.823E-05	0.140165	3.628792	0.2153	1.154086	1.09709248	21.95348
17.0843085	0.302304672	6.795E-05	0.145418	3.378194	0.21558	1.170418	1.1129991	21.18329
16.5713657	0.307592709	6.751E-05	0.141547	3.358254	0.22317	1.19143	1.13246813	20.66096
18.4086838	0.317183182	6.939E-05	0.127192	3.1587	0.23581	1.229621	1.1677775	22.30949
20.4160252	0.337642258	5.243E-05	0.104233	2.650918	0.22615	1.308712	1.24310195	23.80063
22.084654	0.321508121	3.991E-05	0.078704	2.661179	0.1515	1.2545	1.18370069	25.36839
22.1299046	0.297979733	3.063E-05	0.061084	2.137953	0.15144	1.157521	1.09707592	24.83884
21.0854468	0.271773574	4.408E-05	0.075027	2.783628	0.15346	1.060871	1.00059235	24.42966
21.3582843	0.325788055	3.615E-05	0.099079	3.245678	0.15307	1.272542	1.19945818	25.25502
19.8497257	0.370036544	6.356E-05	0.152296	4.020742	0.19778	1.434143	1.36236843	24.66242
17.6378845	0.402907879	6.75E-05	0.135486	3.922185	0.21365	1.554636	1.48339125	22.38342

4894	480863.09	3862377.25	1.60856	0.94926	3.24724	2.30648	7.22154	1.67505	0.93563	0.94926
4895	481363.09	3862377.25	1.5675	1.23578	2.73101	2.18654	8.46264	1.80486	1.06166	1.23578
4896	481863.09	3862377.25	1.86169	1.49511	3.41593	1.82777	10.19568	1.8951	1.08546	1.49511
4897	482363.09	3862377.25	2.77678	1.15178	4.15951	1.77487	12.68659	1.87523	0.85849	1.15178
4898	482863.09	3862377.25	3.19725	0.95645	5.02478	1.77679	11.68875	2.1052	0.76067	0.95645
4899	483363.09	3862377.25	3.30306	0.93694	3.5905	2.07243	7.34218	2.32358	0.78621	0.93694
4900	483863.09	3862377.25	2.92301	0.90038	4.20346	2.54727	8.81855	1.90929	0.82932	0.90038
4901	484363.09	3862377.25	2.55879	0.92474	3.98436	2.88829	9.92067	1.7052	0.87356	0.92474
4902	484863.09	3862377.25	2.38275	0.94686	3.48239	2.59568	8.53397	1.77949	0.9396	0.94686
4903	485363.09	3862377.25	2.46765	0.983	4.11611	2.8542	9.75203	1.82072	0.98255	0.983
4904	485863.09	3862377.25	2.50407	1.09122	4.15963	3.02824	8.42853	3.09532	1.07999	1.09122
4905	486363.09	3862377.25	3.02306	1.16627	4.21902	3.53784	9.39328	3.12761	1.15647	1.16627
4906	486863.09	3862377.25	2.8675	1.30153	5.17501	3.54294	17.47479	3.06156	1.29087	1.30153
4907	487363.09	3862377.25	3.70955	1.45996	3.87113	3.01859	20.56668	4.35428	1.44971	1.45996
4908	487863.09	3862377.25	5.08726	1.6083	5.3905	3.61279	7.12173	3.00568	1.60031	1.6083
4909	488363.09	3862377.25	6.46212	1.7182	5.59905	5.00564	5.84043	4.01033	1.71461	1.7182
4910	488863.09	3862377.25	9.66786	1.86149	5.57179	8.57863	11.35892	4.50031	1.86025	1.86149
4911	489363.09	3862377.25	12.15652	1.98143	6.27514	11.19214	12.81287	4.95229	1.98862	1.98143
4912	489863.09	3862377.25	11.28532	2.09966	3.93316	4.67761	4.46697	5.03397	2.11301	2.09966
4913	490363.09	3862377.25	8.24108	2.21532	4.75339	3.83028	14.32115	3.96244	2.23564	2.21532
4914	490863.09	3862377.25	6.0267	2.33797	2.82417	3.53319	24.58816	3.0739	2.35735	2.33797
4915	491363.09	3862377.25	3.58907	2.45438	5.4332	2.81078	18.96181	2.59347	2.4778	2.45438
4916	491863.09	3862377.25	3.44815	2.58598	3.97549	3.81967	14.77279	2.29354	2.60885	2.58598
4917	492363.09	3862377.25	3.24591	2.76191	4.05366	3.42011	10.34974	2.31701	2.78742	2.76191
4918	492863.09	3862377.25	3.69021	2.98417	4.48416	3.89745	5.73948	2.61767	3.01281	2.98417
4919	493363.09	3862377.25	4.14482	3.24701	4.26014	4.52411	6.78477	2.51296	3.26512	3.24701
4920	493863.09	3862377.25	4.60545	3.2597	6.06248	3.44092	6.38695	2.78931	3.6054	3.2597
4921	494363.09	3862377.25	5.0624	5.79605	7.8712	4.00001	4.77739	3.05469	5.825	5.79605
4922	494863.09	3862377.25	5.28513	7.67589	9.08726	4.58398	6.71934	3.49631	7.03695	7.67589
4923	495363.09	3862377.25	4.86996	7.89059	7.83718	4.46381	7.63696	3.7425	7.57248	7.89059
4924	495863.09	3862377.25	4.07046	7.80748	5.75419	3.98103	7.76815	3.74365	7.89853	7.80748
4925	496363.09	3862377.25	3.21458	10.79152	4.05668	3.10025	9.37281	3.68557	10.5326	10.79152
4926	496863.09	3862377.25	2.59788	44.6744	4.32966	2.83592	9.21501	3.72348	45.1874	44.6744
4927	497363.09	3862377.25	2.57864	14.73909	4.02533	2.70894	7.58487	4.22148	14.8644	14.73909
4928	497863.09	3862377.25	2.49008	32.91859	3.45665	2.23315	5.73623	4.08763	34.9458	32.91859
4929	498363.09	3862377.25	2.34745	18.11041	2.87814	1.87284	3.66593	3.82697	18.1602	18.11041
4930	471363.09	3862877.25	1.5977	0.60857	1.97959	1.56667	3.48801	1.79651	0.61383	0.60857
4931	471863.09	3862877.25	1.63552	0.61954	1.93487	1.78109	3.91674	1.7875	0.62487	0.61954
4932	472363.09	3862877.25	1.65888	0.63788	1.8576	2.01768	4.80672	1.74284	0.64322	0.63788
4933	472863.09	3862877.25	1.6791	0.65311	1.73912	2.26223	5.82593	1.67045	0.6586	0.65311
4934	473363.09	3862877.25	1.67224	0.64223	1.59669	2.47587	6.61788	1.59261	0.64728	0.64223
4935	473863.09	3862877.25	1.64976	0.61838	1.67686	2.61424	7.0125	1.52166	0.62312	0.61838
4936	474363.09	3862877.25	1.61741	0.61252	1.82605	2.63048	6.8917	1.46656	0.61761	0.61252
4937	474863.09	3862877.25	1.56239	0.62865	2.48775	2.48401	6.33807	1.4342	0.63413	0.62865
4938	475363.09	3862877.25	1.47345	0.64216	2.56526	2.18794	6.48176	1.50234	0.64717	0.64216
4939	475863.09	3862877.25	1.51447	0.65486	2.50771	1.8216	5.95351	1.61917	0.65995	0.65486
4940	476363.09	3862877.25	1.69281	0.66392	2.00538	1.46556	4.85351	1.66182	0.66942	0.66392
4941	476863.09	3862877.25	1.85666	0.68496	1.9967	1.33482	4.67958	1.57301	0.69162	0.68496
4942	477363.09	3862877.25	1.97472	0.71949	2.97914	1.55734	4.67007	1.4634	0.7274	0.71949
4943	477863.09	3862877.25	2.03215	0.73929	2.6361	1.85218	5.86238	1.38748	0.74623	0.73929
4944	478363.09	3862877.25	1.95034	0.70405	1.72136	2.12603	6.76327	1.07714	0.71668	0.70405
4945	478863.09	3862877.25	1.77537	0.70911	1.63439	2.40606	7.16826	1.17282	0.72159	0.70911
4946	479363.09	3862877.25	1.74066	0.72891	1.63056	2.23812	8.96353	1.29401	0.7415	0.72891
4947	479863.09	3862877.25	1.54191	0.84132	2.47204	2.22525	8.30662	1.76125	0.84796	0.84132
4948	480363.09	3862877.25	1.45569	0.86147	2.84862	1.84775	6.44446	1.7967	0.86356	0.86147
4949	480863.09	3862877.25	1.48113	0.95355	3.31333	1.64204	8.53117	1.74419	0.92827	0.95355
4950	481363.09	3862877.25	1.57588	1.23409	3.50427	1.57697	9.47003	1.63509	1.03036	1.23409
4951	481863.09	3862877.25	2.02203	1.48303	3.30664	1.69788	11.58649	1.71543	1.07407	1.48303
4952	482363.09	3862877.25	2.7923	1.0736	4.41553	1.77807	10.44504	1.80595	0.81099	1.0736

16.5052855	0.427210345	8.238E-05	0.119479	3.330216	0.23173	1.615375	1.57286596	20.65652		
16.0839726	0.556157428	6.928E-05	0.113266	3.902549	0.24969	1.832967	2.04761214	20.69106		
19.102629	0.67286777	8.665E-05	0.094681	4.701741	0.26218	1.874058	2.47730614	24.23094		
28.4922829	0.518353593	0.0001055	0.091941	5.850426	0.25943	1.482192	1.90842926	34.7863		
32.8066867	0.430446174	0.0001275	0.09204	5.390271	0.29124	1.313304	1.58477936	38.73934		
33.8923934	0.421665783	9.108E-05	0.107355	3.385849	0.32146	1.3574	1.55245247	37.93376		
29.9927355	0.405212113	0.0001066	0.131952	4.066678	0.26414	1.431829	1.49187478	34.80078		
26.2555077	0.416175226	0.0001011	0.149617	4.574921	0.23591	1.50821	1.53223782	31.6082		
24.4491775	0.426130236	8.834E-05	0.13446	3.935443	0.24618	1.622229	1.56888931	29.24482		
25.3203286	0.442394886	0.0001044	0.147852	4.497152	0.25189	1.696383	1.62877109	30.72733		
25.6940308	0.491098827	0.0001055	0.156867	3.88682	0.42822	1.864614	1.80808503	30.71367		
31.0193393	0.524874754	0.000107	0.183265	4.331714	0.43269	1.996657	1.93243831	36.55621		
29.4231525	0.585747931	0.0001313	0.183529	8.058506	0.42355	2.2287	2.15655588	38.74676		
38.0633497	0.657048665	9.82E-05	0.156367	9.484332	0.60239	2.502939	2.41906474	49.04746		
52.1999047	0.723808438	0.0001367	0.187148	3.284188	0.41582	2.762951	2.66485508	56.9091		
66.3072161	0.773268457	0.000142	0.259299	2.693316	0.55481	2.960292	2.84695268	70.70139		
99.2010179	0.8377555	0.0001413	0.444385	5.23817	0.6226	3.21174	3.08437547	106.4714		
124.736928	0.891733976	0.0001592	0.579768	5.90866	0.68513	3.433373	3.28310874	132.9526		
115.797625	0.944942875	9.978E-05	0.242307	2.059945	0.69643	3.648133	3.47900865	119.9105		
84.5609602	0.996995156	0.0001206	0.198414	6.604203	0.54818	3.859855	3.67065022	93.09808		
61.8394117	1.052193257	7.164E-05	0.183024	11.33884	0.42526	4.069989	3.87387379	75.03491		
36.8271156	1.104583072	0.0001378	0.145602	8.744245	0.35879	4.277947	4.06675807	47.39167		
35.3811485	1.163809081	0.0001008	0.197864	6.812477	0.3173	4.504206	4.28481125	44.09209		
33.3059825	1.242985615	0.0001028	0.177166	4.772786	0.32055	4.812509	4.57631653	40.05576		
37.8649037	1.343012763	0.0001138	0.201893	2.646763	0.36214	5.201647	4.94458781	42.67589		
42.5296149	1.461302765	0.0001081	0.234355	3.128799	0.34766	5.637263	5.38009767	47.959		
47.2560968	1.467013845	0.0001538	0.178244	2.945344	0.38589	6.22476	5.40112423	53.05638		
51.9448185	2.60848716	0.0001997	0.207206	2.203095	0.4226	10.05692	9.60370159	57.83963		
54.2302305	3.454500997	0.0002305	0.237457	3.098626	0.4837	12.14937	12.7184819	60.93563		
49.9702095	3.551125801	0.0001988	0.231232	3.521787	0.51776	13.07396	13.0742267	57.79205		
41.7666139	3.513722506	0.000146	0.206223	3.582285	0.51792	13.63689	12.9365185	50.28728		
32.9845083	4.856676763	0.0001029	0.160597	4.322275	0.50988	18.18455	17.8808909	43.1377		
26.6566066	20.10551993	0.0001098	0.146905	4.249505	0.51513	78.01645	74.0227579	55.66747		
26.4591867	6.633263518	0.0001021	0.140327	3.497766	0.58402	25.66359	24.4217738	38.55648		
25.5504807	14.81486863	8.769E-05	0.11568	2.645265	0.5655	60.33424	54.5440973	49.48203		
24.0869675	8.150511459	7.301E-05	0.097016	1.690545	0.52944	31.35372	30.0078456	35.90043		
16.393852	0.273884289	5.022E-05	0.081156	1.608497	0.24854	1.059784	1.0083634	18.6574		
16.7819196	0.278821289	4.908E-05	0.092263	1.806206	0.24729	1.078844	1.02654002	19.25886		
17.0216144	0.287075127	4.712E-05	0.104519	2.216621	0.24111	1.110526	1.05692828	19.92459		
17.2290899	0.293929322	4.412E-05	0.117187	2.68663	0.2311	1.13708	1.08216346	20.61289		
17.1587001	0.289032826	4.05E-05	0.128254	3.051838	0.22033	1.117535	1.06413597	20.90159		
16.9280349	0.278299237	4.254E-05	0.135421	3.233817	0.21051	1.075823	1.02461797	20.83733		
16.5960945	0.275661969	4.632E-05	0.136263	3.17811	0.20289	1.06631	1.01490831	20.44047		
16.0315394	0.282921205	6.311E-05	0.128675	2.922803	0.19841	1.094832	1.04163473	19.61761		
15.1189343	0.289001322	6.508E-05	0.113338	2.989066	0.20784	1.117346	1.06401998	18.77157		
15.5398367	0.294716902	6.362E-05	0.094361	2.745463	0.224	1.13941	1.08506311	18.95279		
17.369767	0.298794316	5.087E-05	0.075918	2.238198	0.2299	1.15576	1.10007497	20.26832		
19.0510167	0.308263277	5.065E-05	0.069146	2.15799	0.21762	1.194089	1.13493697	21.86324		
20.2624194	0.323803353	7.557E-05	0.080672	2.153604	0.20245	1.255863	1.19215108	23.08674		
20.8517033	0.332714258	6.687E-05	0.095946	2.703439	0.19195	1.288374	1.22495847	24.23923		
20.0122585	0.316854648	4.367E-05	0.110131	3.118884	0.14902	1.237355	1.16656794	23.77798		
18.2169075	0.319131879	4.146E-05	0.124637	3.305646	0.16225	1.245832	1.17495205	22.1995		
17.8607514	0.328042784	4.136E-05	0.115938	4.133535	0.17902	1.280207	1.20775944	22.68978		
15.821396	0.378632416	6.271E-05	0.115271	3.830601	0.24366	1.464012	1.39401596	20.45962		
14.9367005	0.387700837	7.226E-05	0.095716	2.971865	0.24856	1.490945	1.42740328	18.70416		
15.197738	0.429141041	8.405E-05	0.08506	3.934152	0.2413	1.602668	1.57997423	19.91017		
16.169959	0.555396851	8.89E-05	0.081689	4.367108	0.22621	1.778927	2.04481191	21.13456		
20.7478629	0.667431218	8.388E-05	0.087953	5.343114	0.23732	1.854393	2.45729032	26.48087		
28.6515322	0.483169023	0.000112	0.092107	4.816734	0.24984	1.400182	1.77888977	33.91479		

4953	482863.09	3862877.25	3.1903	0.92145	3.20668	1.93511	6.83606	1.95109	0.85561	0.92145
4954	483363.09	3862877.25	3.22751	0.93144	3.05884	2.46763	7.44657	1.71764	0.92536	0.93144
4955	483863.09	3862877.25	2.86224	1.01437	3.8349	2.49336	8.27132	1.49357	1.00721	1.01437
4956	484363.09	3862877.25	2.49568	1.09571	3.43176	2.37027	8.5623	1.5629	1.08808	1.09571
4957	484863.09	3862877.25	2.24722	1.17979	3.42004	2.85633	7.69859	1.5853	1.17204	1.17979
4958	485363.09	3862877.25	2.2297	1.25565	3.32417	2.71221	8.48334	1.87755	1.24868	1.25565
4959	485863.09	3862877.25	2.57087	1.32292	3.88036	3.11256	8.82442	3.10623	1.31761	1.32292
4960	486363.09	3862877.25	3.02809	1.39767	4.64693	3.14607	8.15768	3.0573	1.39432	1.39767
4961	486863.09	3862877.25	2.84204	1.45768	4.41618	2.61757	18.69844	3.12692	1.45787	1.45768
4962	487363.09	3862877.25	3.3372	1.51746	3.9957	2.8934	18.2868	3.93829	1.52076	1.51746
4963	487863.09	3862877.25	4.07359	1.56811	4.10289	4.00256	6.48535	3.27423	1.57417	1.56811
4964	488363.09	3862877.25	5.30984	1.61507	3.55419	4.15559	5.55275	3.48073	1.62283	1.61507
4965	488863.09	3862877.25	7.12912	1.66169	3.29499	9.60555	8.61718	3.17533	1.67125	1.66169
4966	489363.09	3862877.25	10.09182	1.7134	5.68191	10.94239	13.04542	3.90563	1.72435	1.7134
4967	489863.09	3862877.25	11.03032	1.7732	3.53584	4.72346	5.11058	4.48912	1.78531	1.7732
4968	490363.09	3862877.25	9.47436	1.92119	3.04289	3.58318	6.79208	4.30216	1.85966	1.92119
4969	490863.09	3862877.25	6.92964	1.93089	2.97607	3.31826	17.90523	3.45925	1.94522	1.93089
4970	491363.09	3862877.25	5.22432	1.99626	3.14417	2.9319	22.26484	2.6782	2.01139	1.99626
4971	491863.09	3862877.25	3.34044	2.15875	3.64604	2.80936	13.54573	2.31895	2.17561	2.15875
4972	492363.09	3862877.25	3.25282	2.3295	3.51087	3.4932	13.25714	2.16092	2.34778	2.3295
4973	492863.09	3862877.25	2.97767	2.57197	3.82601	2.96218	8.42253	1.82503	2.59164	2.57197
4974	493363.09	3862877.25	3.20427	2.92938	4.0982	3.41566	5.07195	2.21999	2.94998	2.92938
4975	493863.09	3862877.25	3.54634	3.42273	3.88654	4.03801	6.2247	2.29849	3.44362	3.42273
4976	494363.09	3862877.25	4.00912	4.06694	4.47134	3.12524	6.07329	2.45399	4.08744	4.06694
4977	494863.09	3862877.25	4.41772	4.19209	5.74255	2.75566	4.30949	2.54695	4.21255	4.19209
4978	495363.09	3862877.25	4.75769	4.62932	7.46959	3.98003	5.0238	2.83746	4.9203	4.62932
4979	495863.09	3862877.25	4.76901	5.9803	7.82749	3.51871	6.76091	3.16317	5.51402	5.9803
4980	496363.09	3862877.25	4.32496	6.00767	6.64016	3.78116	6.40973	3.31802	5.73895	6.00767
4981	496863.09	3862877.25	3.61696	5.63239	5.01989	3.35885	7.61722	3.30443	5.69631	5.63239
4982	497363.09	3862877.25	2.86405	6.31656	3.61628	2.73697	8.43854	3.18125	6.06885	6.31656
4983	497863.09	3862877.25	2.31153	7.61134	3.57786	2.30552	7.76565	2.91775	7.37554	7.61134
4984	498363.09	3862877.25	2.37212	8.03875	3.61786	2.34321	6.52993	3.41184	8.00773	8.03875
4985	471363.09	3863377.25	1.65966	0.59977	1.27568	2.28471	4.88812	1.6072	0.60451	0.59977
4986	471863.09	3863377.25	1.65058	0.61307	1.06282	2.43889	5.67568	1.53892	0.618	0.61307
4987	472363.09	3863377.25	1.617	0.63227	1.21188	2.49957	6.19614	1.4807	0.6373	0.63227
4988	472863.09	3863377.25	1.56055	0.64071	1.42327	2.43541	6.32216	1.43878	0.64537	0.64071
4989	473363.09	3863377.25	1.49209	0.62765	1.82395	2.2471	5.99606	1.41096	0.63161	0.62765
4990	473863.09	3863377.25	1.42693	0.60555	2.19956	1.96867	5.79154	1.38979	0.60926	0.60555
4991	474363.09	3863377.25	1.36462	0.59911	2.33281	1.65177	5.79452	1.41607	0.60289	0.59911
4992	474863.09	3863377.25	1.40265	0.60495	2.17901	1.36544	5.2064	1.44167	0.6078	0.60495
4993	475363.09	3863377.25	1.48003	0.62742	1.91115	1.15075	4.20811	1.4585	0.63098	0.62742
4994	475863.09	3863377.25	1.61505	0.64443	1.77144	1.22299	4.23834	1.41278	0.64874	0.64443
4995	476363.09	3863377.25	1.74923	0.6496	2.12664	1.44027	4.28603	1.43448	0.6539	0.6496
4996	476863.09	3863377.25	1.83652	0.65811	2.76894	1.72696	4.26989	1.50427	0.66268	0.65811
4997	477363.09	3863377.25	1.8542	0.68042	2.74148	2.03262	5.00905	1.5842	0.68635	0.68042
4998	477863.09	3863377.25	1.7992	0.73138	2.04463	2.34915	5.06513	1.65833	0.73925	0.73138
4999	478363.09	3863377.25	1.69167	0.72799	1.67136	2.23229	7.90193	1.7125	0.73421	0.72799
5000	478863.09	3863377.25	1.54493	0.7385	1.55261	2.31767	8.17735	1.70836	0.74484	0.7385
5001	479363.09	3863377.25	1.442	0.78409	2.56258	1.78293	7.78627	1.63869	0.79128	0.78409
5002	479863.09	3863377.25	1.35863	0.78369	3.01075	1.45312	6.47178	1.54299	0.78571	0.78369
5003	480363.09	3863377.25	1.39628	0.82799	2.92904	1.44352	8.28059	1.44948	0.82717	0.82799
5004	480863.09	3863377.25	1.50671	0.94326	2.55931	1.49589	8.84504	1.3905	0.90322	0.94326
5005	481363.09	3863377.25	1.645	1.22528	3.02126	1.51296	10.34462	1.45048	0.9984	1.22528
5006	481863.09	3863377.25	2.06816	1.3259	3.83238	1.59509	9.42699	1.43992	0.96661	1.3259
5007	482363.09	3863377.25	2.81683	1.01354	3.19093	1.99902	6.37349	1.5448	0.97224	1.01354
5008	482863.09	3863377.25	3.15556	1.02882	2.2318	2.31534	6.00349	1.45563	1.02567	1.02882
5009	483363.09	3863377.25	3.14308	1.07356	3.14132	2.10955	7.79706	1.38987	1.07137	1.07356
5010	483863.09	3863377.25	2.78347	1.1157	3.40579	2.32933	8.3488	1.42284	1.11462	1.1157
5011	484363.09	3863377.25	2.41718	1.15987	2.66433	2.86778	7.23933	1.46346	1.15987	1.15987

32.7353734	0.414694575	8.135E-05	0.100241	3.152452	0.26992	1.477219	1.52678649	36.6232
33.1171818	0.419190532	7.76E-05	0.127827	3.433988	0.23763	1.597643	1.54333931	37.3902
29.3691801	0.456512818	9.728E-05	0.12916	3.814322	0.20663	1.738958	1.68074927	34.03411
25.6079418	0.493119532	8.706E-05	0.122783	3.948508	0.21622	1.878581	1.81552469	30.45172
23.0585167	0.530959372	8.676E-05	0.147962	3.550208	0.21932	2.023539	1.95484012	27.57575
22.8787456	0.565099836	8.433E-05	0.140496	3.912095	0.25975	2.155859	2.08053552	27.83159
26.3794595	0.595374407	9.844E-05	0.161235	4.069384	0.42973	2.274867	2.19199781	31.71815
31.0709516	0.629015321	0.0001179	0.162971	3.761917	0.42296	2.407308	2.315854	36.13939
29.1619098	0.656022561	0.000112	0.135594	8.622792	0.43259	2.517027	2.41528692	39.11076
34.2427008	0.68292629	0.0001014	0.149882	8.432964	0.54484	2.625608	2.51433873	44.16469
41.7987305	0.705721103	0.0001041	0.207338	2.990721	0.45297	2.71782	2.5982627	46.27515
54.4837775	0.726855247	9.016E-05	0.215265	2.560653	0.48154	2.801832	2.67607255	58.59394
73.1512414	0.747836376	8.359E-05	0.497581	3.973816	0.43929	2.88543	2.75331905	78.94196
103.551232	0.771108237	0.0001441	0.566831	6.0159	0.54032	2.977108	2.83899937	111.5836
113.181094	0.798020968	8.97E-05	0.244682	2.356746	0.62105	3.082356	2.93808433	117.346
97.2155323	0.864623226	7.719E-05	0.185614	3.13217	0.59518	3.210722	3.18329474	102.0206
71.1043956	0.868988668	7.55E-05	0.171891	8.257003	0.47857	3.358442	3.19936704	81.04
53.6062647	0.898408153	7.976E-05	0.151877	10.26744	0.37052	3.472685	3.30768115	65.45959
34.2759461	0.971536073	9.249E-05	0.145529	6.246618	0.32082	3.756213	3.57691718	42.13983
33.3768854	1.04838137	8.906E-05	0.180953	6.113535	0.29895	4.053466	3.85983952	41.21242
30.5535967	1.157503942	9.706E-05	0.153445	3.884053	0.25248	4.474493	4.26159753	36.21407
32.8787183	1.318354762	0.000104	0.176936	2.338932	0.30712	5.09317	4.85380412	37.25954
36.388667	1.540384789	9.859E-05	0.209175	2.870523	0.31798	5.945445	5.671255	41.60102
41.1372098	1.830308705	0.0001134	0.161892	2.8007	0.3395	7.057007	6.7386717	46.58806
45.3298166	1.88663192	0.0001457	0.142747	1.987323	0.35236	7.27301	6.94603763	50.02599
48.8182174	2.083405384	0.0001895	0.206171	2.316727	0.39255	8.494948	7.67050109	54.64171
48.9343708	2.691408073	0.0001986	0.182274	3.117796	0.43761	9.520011	9.90899261	54.97468
44.3780148	2.703725823	0.0001684	0.195869	2.955849	0.45903	9.908355	9.95434303	50.64667
37.1132923	2.534832687	0.0001273	0.173993	3.512684	0.45715	9.834737	9.33252694	44.29429
29.3877523	2.842740427	9.174E-05	0.141779	3.891436	0.44011	10.47793	10.4661549	36.71569
23.7183957	3.42545055	9.076E-05	0.119429	3.581132	0.40366	12.73394	12.6115265	31.37057
24.3401041	3.617804566	9.178E-05	0.121382	3.01128	0.47201	13.82543	13.3197188	32.06838
17.0296179	0.269923887	3.236E-05	0.118351	2.254158	0.22235	1.043693	0.99378233	19.94434
16.9364488	0.275909494	2.696E-05	0.126338	2.617342	0.2129	1.066983	1.01581962	20.22013
16.5918875	0.284550371	3.074E-05	0.129481	2.857352	0.20485	1.100305	1.04763285	20.12082
16.0126593	0.288348756	3.611E-05	0.126158	2.915466	0.19905	1.114238	1.06161742	19.59434
15.3101976	0.28247116	4.627E-05	0.116403	2.765085	0.1952	1.090481	1.0399778	18.71991
14.6415968	0.272525151	5.58E-05	0.10198	2.670771	0.19227	1.051894	1.00335944	17.92773
14.0022397	0.269626857	5.918E-05	0.085564	2.672145	0.19591	1.040896	0.99268875	17.27375
14.392462	0.272255123	5.528E-05	0.070732	2.400933	0.19945	1.049373	1.00236528	17.38289
15.186451	0.282367649	4.848E-05	0.05961	1.940571	0.20178	1.089393	1.0395967	17.72062
16.5718788	0.290022926	4.494E-05	0.063353	1.954512	0.19545	1.120056	1.06778123	19.12754
17.9486874	0.292349662	5.395E-05	0.074608	1.976504	0.19845	1.128965	1.07634761	20.54327
18.844362	0.296179551	7.024E-05	0.089459	1.969061	0.20811	1.144124	1.09044816	21.46092
19.0257748	0.306220069	6.955E-05	0.105293	2.309925	0.21917	1.18499	1.12741447	22.02402
18.4614249	0.329154396	5.187E-05	0.121689	2.335787	0.22942	1.276323	1.21185208	21.542
17.3580695	0.327628742	4.24E-05	0.115636	3.643978	0.23692	1.267621	1.20623506	21.74366
15.8523839	0.332358721	3.939E-05	0.120059	3.770988	0.23634	1.285974	1.22364949	20.3745
14.7962287	0.352876303	6.501E-05	0.092358	3.590641	0.2267	1.366153	1.29918934	19.12584
13.9407769	0.352696285	7.638E-05	0.075274	2.984464	0.21347	1.356536	1.29852656	17.62476
14.3271	0.372633308	7.43E-05	0.074776	3.818597	0.20053	1.428117	1.37192896	18.8499
15.4602121	0.424510071	6.492E-05	0.077489	4.078893	0.19237	1.559418	1.56292433	20.23003
16.879193	0.551431949	7.664E-05	0.078373	4.770425	0.20067	1.723748	2.03021428	22.1737
21.2211986	0.596715543	9.722E-05	0.082628	4.34726	0.19921	1.668862	2.19693549	25.91903
28.9032323	0.45613928	8.095E-05	0.103552	2.939137	0.21372	1.678582	1.67937401	32.61507
32.3789095	0.463015978	5.662E-05	0.119938	2.768512	0.20138	1.77083	1.70469203	35.99795
32.2508534	0.483151021	7.969E-05	0.109278	3.595617	0.19228	1.849731	1.77882349	36.70217
28.5609284	0.502115945	8.64E-05	0.120663	3.850052	0.19684	1.924403	1.8486469	33.30644
24.8024606	0.521994462	6.759E-05	0.148555	3.33842	0.20246	2.002527	1.9218339	29.09465

5012	484863.09	3863377.25	2.19258	1.19493	3.24023	2.45127	8.28522	1.48719	1.19612	1.19493	22.4978607	0.537773063	8.22E-05	0.126979	3.820732	0.20575	2.065113	1.97992618	27.27436
5013	485363.09	3863377.25	2.24375	1.23563	3.62111	2.76764	6.0122	1.98602	1.23747	1.23563	23.0229114	0.556089921	9.186E-05	0.143368	2.772528	0.27476	2.136504	2.0473636	26.85889
5014	485863.09	3863377.25	2.64072	1.26587	4.05929	2.8061	8.31078	3.10569	1.2689	1.26587	27.0961839	0.569699302	0.000103	0.14536	3.832519	0.42966	2.190769	2.09746944	32.16682
5015	486363.09	3863377.25	3.00087	1.29231	3.39804	2.38711	7.26904	2.94348	1.296	1.29231	30.7916497	0.58159851	8.62E-05	0.123656	3.35212	0.40722	2.237557	2.14127891	35.3526
5016	486863.09	3863377.25	2.85861	1.32103	3.85967	2.46238	19.64133	3.27073	1.32542	1.32103	29.331933	0.594523821	9.791E-05	0.127555	9.057606	0.45249	2.288351	2.18886619	39.66369
5017	487363.09	3863377.25	3.39304	1.35627	3.61636	3.22608	16.07305	3.58606	1.36127	1.35627	34.8156698	0.61038343	9.174E-05	0.167115	7.412093	0.49611	2.350246	2.24725673	43.60446
5018	487863.09	3863377.25	3.15951	1.39952	4.0466	3.62431	5.93995	3.35365	1.40511	1.39952	32.4194401	0.629847905	0.0001027	0.187744	2.73921	0.46396	2.425937	2.31891934	36.54732
5019	488363.09	3863377.25	4.3555	1.45314	3.84344	4.11841	5.22959	2.81412	1.45958	1.45314	44.6913829	0.653979353	9.75E-05	0.213339	2.411627	0.38932	2.51998	2.40776441	48.47196
5020	488863.09	3863377.25	5.65086	1.52069	2.50408	10.39725	6.50529	2.74629	1.52788	1.52069	57.9829522	0.684379938	6.352E-05	0.538592	2.999917	0.37994	2.6379	2.51969065	62.70405
5021	489363.09	3863377.25	7.81464	1.61203	4.96849	10.63906	11.99101	3.39588	1.62015	1.61203	80.1852988	0.725487109	0.000126	0.551118	5.529659	0.4698	2.797205	2.67103546	87.58766
5022	489863.09	3863377.25	9.93767	1.72855	2.81034	4.68089	7.22033	3.31809	1.7377	1.72855	101.969513	0.777926429	7.129E-05	0.242477	3.329658	0.45904	3.000157	2.864102	106.9147
5023	490363.09	3863377.25	9.83619	1.87185	2.97466	3.37839	3.89199	4.05219	1.88108	1.87185	100.928236	0.842417973	7.546E-05	0.175005	1.794793	0.5606	3.247704	3.10154136	104.4473
5024	490863.09	3863377.25	7.75215	2.03372	3.61547	3.09494	10.5653	3.76686	2.04335	2.03372	79.5440947	0.915266864	9.172E-05	0.160322	4.872192	0.52113	3.527864	3.36975009	86.17121
5025	491363.09	3863377.25	6.19336	2.17079	2.13203	2.92753	19.12785	3.03865	2.17998	2.17079	63.5494945	0.976954623	5.408E-05	0.15165	8.820815	0.42038	3.763758	3.59686672	74.08624
5026	491863.09	3863377.25	4.46884	2.21974	3.95172	2.28238	18.03503	2.31949	2.22769	2.21974	45.8543542	0.998984358	0.0001002	0.11823	8.316861	0.32089	3.846129	3.67797389	55.77758
5027	492363.09	3863377.25	3.17435	2.05553	2.93275	2.8342	10.67501	2.11708	2.06108	2.05553	32.571712	0.92508236	7.44E-05	0.146816	4.922785	0.29289	3.558476	3.40588793	39.01194
5028	492863.09	3863377.25	3.21548	1.42523	3.33866	3.30789	12.36904	2.07087	1.59487	1.42523	32.9937431	0.641418579	8.469E-05	0.171353	5.703987	0.28649	2.753559	2.36151924	40.18912
5029	493363.09	3863377.25	3.10096	2.03097	4.09194	2.7975	7.54673	1.75252	2.01728	2.03097	31.818664	0.914029238	0.0001038	0.144914	3.480177	0.24245	3.482854	3.3651935	36.718
5030	493863.09	3863377.25	3.06612	2.9114	4.24713	3.11497	4.72567	2.02138	2.93772	2.9114	31.4611739	1.310262941	0.0001077	0.16136	2.179244	0.27965	5.072003	4.82401235	35.63979
5031	494363.09	3863377.25	3.32704	2.55172	3.64311	3.66014	5.83676	2.83013	2.56634	2.55172	34.1384499	1.148390517	9.242E-05	0.1896	2.691624	0.39153	4.430812	4.22804452	38.76246
5032	494863.09	3863377.25	3.63291	2.09827	3.41214	3.16487	5.91453	2.0952	2.59466	2.09827	37.2769537	0.944317311	8.656E-05	0.163945	2.727488	0.28986	4.479707	3.4767055	42.40565
5033	495363.09	3863377.25	4.20507	2.61413	5.507	2.75676	4.27646	2.31214	2.78769	2.61413	43.1478346	1.176477867	0.0001397	0.142804	1.972091	0.31987	4.812975	4.33145408	47.24074
5034	495863.09	3863377.25	4.70375	4.48944	7.28028	3.3665	4.02302	2.99785	4.51124	4.48944	48.264744	2.020452997	0.0001847	0.174389	1.855217	0.41474	7.788702	7.43872845	53.0797
5035	496363.09	3863377.25	4.56	4.16399	7.16707	3.57884	5.78632	2.73264	3.97348	4.16399	46.7897385	1.873985637	0.0001818	0.185389	2.668364	0.37805	6.860254	6.89947764	51.85648
5036	496863.09	3863377.25	4.31487	4.80798	6.76448	3.10161	6.15097	2.86795	4.47391	4.80798	44.2744823	2.163810542	0.0001716	0.160668	2.836522	0.39677	7.724251	7.96652982	49.59014
5037	497363.09	3863377.25	3.85557	4.74109	5.65438	3.21514	5.7074	2.93912	4.51216	4.74109	39.5616474	2.133706988	0.0001434	0.166549	2.63197	0.40661	7.79029	7.85569717	44.83522
5038	497863.09	3863377.25	3.23106	4.40294	4.40112	2.89758	7.24569	2.94212	4.41294	4.40294	33.153608	1.981524047	0.0001116	0.150099	3.341353	0.40703	7.618986	7.29540323	39.35731
5039	498363.09	3863377.25	2.59367	4.4065	3.24507	2.45829	7.58377	2.75691	4.29706	4.4065	26.6134082	1.98312621	8.232E-05	0.127343	3.497258	0.38141	7.418918	7.30130193	32.72024
5040	471363.09	3863877.25	1.52707	0.59156	1.06193	2.25452	5.72541	1.40625	0.59565	0.59156	15.6691241	0.266229012	2.694E-05	0.116787	2.640275	0.19455	1.028396	0.98017887	18.93521
5041	471863.09	3863877.25	1.48653	0.61057	1.44555	2.05867	5.67881	1.37466	0.61551	0.61057	15.2531469	0.27478438	3.667E-05	0.106642	2.618785	0.19018	1.062684	1.01167728	18.49458
5042	472363.09	3863877.25	1.41008	0.62524	1.84112	1.79088	5.23429	1.36058	0.62976	0.62524	14.4687006	0.28138655	4.671E-05	0.09277	2.413795	0.18823	1.087287	1.03598457	17.49623
5043	472863.09	3863877.25	1.34217	0.63205	2.07184	1.51592	5.3175	1.35307	0.63611	0.63205	13.7718823	0.284451361	5.256E-05	0.078527	2.452167	0.18719	1.09825	1.04726833	16.82525
5044	473363.09	3863877.25	1.28715	0.61242	2.06124	1.2812	5.18395	1.35891	0.61525	0.61242	13.2073272	0.275616964	5.229E-05	0.066368	2.39058	0.188	1.062235	1.01474261	16.17544
5045	473863.09	3863877.25	1.35337	0.59346	1.98969	1.10943	4.61607	1.37062	0.59633	0.59346	13.8868045	0.267084099	5.047E-05	0.05747	2.128702	0.18962	1.02957	0.98332705	16.57597
5046	474363.09	3863877.25	1.40321	0.58661	2.03536	1.04915	3.69066	1.40452	0.58911	0.58661	14.3982081	0.264001286	5.163E-05	0.054347	1.701949	0.19431	1.017104	0.97197702	16.65799
5047	474863.09	3863877.25	1.42559	0.59396	1.90826	1.10438	3.85059	1.46233	0.59551	0.59396	14.6278472	0.267309121	4.841E-05	0.057208	1.775701	0.20231	1.028154	0.98415552	16.97442
5048	475363.09	3863877.25	1.54167	0.61771	1.82955	1.37457	4.06642	1.51947	0.62055	0.61771	15.8189334	0.277997706	4.641E-05	0.071205	1.875231	0.21021	1.071386	1.02350782	18.3015
5049	475863.09	3863877.25	1.65594	0.62326	2.10455	1.52016	3.88885	1.58729	0.62541	0.62326	16.9914473	0.280495459	5.339E-05	0.078746	1.793345	0.21959	1.079777	1.03270383	19.41075
5050	476363.09	3863877.25	1.73491	0.63219	2.50668	1.69615	4.37812	1.63227	0.635	0.63219	17.8017512	0.284514367	6.359E-05	0.087863	2.018972	0.22582	1.096334	1.0475003	20.46781
5051	476863.09	3863877.25	1.72775	0.636	2.36999	1.64752	4.63822	1.64742	0.63828	0.636	17.7282831	0.286229041	6.012E-05	0.085344	2.138917	0.22791	1.101997	1.05381324	20.51493
5052	477363.09	3863877.25	1.65669	0.65331	1.72606	1.7074	5.29511	1.61632	0.6567	0.65331	16.999143	0.294019332	4.379E-05	0.088446	2.441842	0.22361	1.133799	1.08249485	20.09841
5053	477863.09	3863877.25	1.5547	0.69111	2.05846	1.72749	7.22465	1.54913	0.69716	0.69111	15.952633	0.311031058	5.222E-05	0.089486	3.33165	0.21431	1.203654	1.14512715	19.95769
5054	478363.09	3863877.25	1.4667	0.73951	2.42669	1.59979	8.08669	1.47503	0.74639	0.73951	15.0496731	0.332813268	6.156E-05	0.082871	3.72918	0.20406	1.28865	1.225323	19.46199
5055	478863.09	3863877.25	1.35515	0.73127	2.84734	1.47967	6.45891	1.38189	0.7367	0.73127	13.9050689	0.329104891	7.223E-05	0.076649	2.978529	0.19118	1.27192	1.21166982	17.54085
5056	479363.09	3863877.25	1.31516	0.76724	2.57094	1.38754	6.96564	1.30809	0.77076	0.76724	13.4947352	0.345293034	6.522E-05	0.071877	3.212207	0.18097	1.330725	1.27126992	17.3646
5057	479863.09	3863877.25	1.34387	0.83214	2.04692	1.44792	8.10739	1.27812	0.83167	0.83214	13.7893259	0.374500997	5.193E-05	0.075004	3.738726	0.17682	1.435887	1.37880526	18.21151
5058	480363.09	3863877.25	1.42851	0.87572	2.13497	1.42712	8.20537	1.29721	0.87509	0.87572	14.6578091	0.394113987	5.416E-05	0.073927	3.783909	0.17946	1.510852	1.45101467	19.14911
5059	480863.09	3863877.25	1.57491	0.93868	2.81958	1.43976	9.48508	1.43392	0.9098	0.93868	16.1600059	0.422448862	7.153E-05	0.074582	4.374048	0.19838	1.570779	1.55533555	21.24498
5060	481363.09	3863877.25	1.73869	1.22682	3.38193	1.5679	8.58642	1.31723	0.97968	1.22682	17.8405374	0.552125019	8.579E-05	0.081219	3.959631	0.18223	1.691427	2.03276597	22.27449
5061	481863.09	3863877.25	2.1519	1.2461	2.63369	2.04379	5.96014	1.41565	0.97413	1.2461	22.080447	0.5608019	6.681E-05	0.105871	2.748521	0.19585	1.681845	2.06471175	25.30869
5062	482363.09	3863877.25	2.8396	0.99307	2.95457	2.18831	5.01552	1.49649	0.99503	0.99307	29.1368732	0.446926846	7.495E-05	0.113358	2.312909	0.20703	1.717929	1.64545646	32.28965
5063	482863.09	3863877.25	3.13809	1.01809	2.37585	1.77635	7.05779	1.40186	1.02044	1.01809	32.1996515	0.458186988	6.027E-05	0.092017	3.254702	0.19394	1.7618	1.68691308	36.27345
5064	483363.09	3863877.25	3.06407	1.04087	3.15322	2.40191	7.53924	1.34264	1.04338	1.04087	31.4401391	0.468439028	7.999E-05	0.124422	3.476723	0.18575	1.801406	1.72465815	35.7723
5065	483863.09	3863877.25	2.71214	1.05948	3.01692	2.8046	6.54158	1.38673	1.06216	1.05948	27.8290179	0.476814378	7.653E-05	0.145282	3.016652	0.19185	1.83383	1.75549379	31.73803
5066	484363.09	3863877.25	2.36216	1.08961	2.6681	2.22706	6.47277	1.411	1.0923	1.08961	24.2379054	0.490374254	6.768E-05	0.115365	2.98492	0.1952	1.885867	1.80541736	28.10429
5067	484863.09	3863877.25	2.17529	1.1185	3.3848	2.48296	7.39041	1.46759	1.12115	1.1185	22.3204496	0.503376073	8.587E-05	0.128621	3.40809	0.20303	1.935677	1.85328633	26.64605
5068	485363.09	3863877.25	2.27292	1.15466	3.64733	2.54309	6.72482	2.11118	1.15747	1.15466	23.322222	0.519649724	9.252E-05	0.131736	3.101153	0.29207	1.998384	1.91320124	27.45211
5069	485863.09	3863877.25	2.71421	1.19634	2.32578	2.19778	7.41081	3.11409	1.19911	1.19634	27.850258	0.538407627	0.000059	0.113848	3.417498	0.43082	2.070276	1.98226246	32.4389
5070	486363.09	3863877.25	2.97315	1.2505	3.60485	2.14619	8.84069	2.87115	1.25342	1.2505	30.5072174	0.5627821	9.145E-05	0.111176	4.076887	0.39721	2.164042	2.07200228	35.7474

5071	486863.09	3863877.25	2.88397	1.31235	3.46141	2.64696	19.93151	3.3611	1.31532	1.31235
5072	487363.09	3863877.25	3.40883	1.37993	2.99041	3.25646	13.9027	3.28896	1.38304	1.37993
5073	487863.09	3863877.25	3.00954	1.44512	3.1126	3.18417	5.46206	3.21841	1.4482	1.44512
5074	488363.09	3863877.25	3.41602	1.49301	3.59439	4.21782	4.91358	2.3552	1.49592	1.49301
5075	488863.09	3863877.25	4.637	1.4999	2.8074	10.99676	4.77727	2.67436	1.50223	1.4999
5076	489363.09	3863877.25	6.12448	1.43802	4.29669	9.63615	10.25196	2.49993	1.43977	1.43802
5077	489863.09	3863877.25	8.27791	1.29355	2.44229	4.61015	8.79862	3.06938	1.29448	1.29355
5078	490363.09	3863877.25	9.45661	1.22611	2.77395	3.19853	3.14106	2.81844	1.15657	1.22611
5079	490863.09	3863877.25	8.61379	1.57557	3.46057	2.88913	5.34156	3.67132	1.18182	1.57557
5080	491363.09	3863877.25	6.29408	1.62788	1.80902	2.7819	13.48609	3.32754	1.34905	1.62788
5081	491863.09	3863877.25	5.76982	1.43257	2.52994	2.56561	19.24809	2.76044	1.41506	1.43257
5082	492363.09	3863877.25	4.30253	1.44243	4.17742	2.03396	15.58606	2.16841	1.78403	1.44243
5083	492863.09	3863877.25	3.24196	1.43711	2.9821	3.58039	11.60291	2.19314	2.34536	1.43711
5084	493363.09	3863877.25	3.29249	1.56451	3.47609	4.09712	11.37702	2.48507	1.6294	1.56451
5085	493863.09	3863877.25	3.10192	2.06665	3.9708	3.01915	6.35652	1.7577	2.11771	2.06665
5086	494363.09	3863877.25	2.74588	1.95124	3.95687	2.90187	4.25675	2.84364	1.97057	1.95124
5087	494863.09	3863877.25	3.13145	1.8233	3.49056	3.23785	5.41001	2.28805	2.18398	1.8233
5088	495363.09	3863877.25	3.38502	1.84615	3.25368	3.02352	5.53508	2.4391	2.3773	1.84615
5089	495863.09	3863877.25	3.71817	2.04975	4.30007	2.50165	4.33984	2.33018	2.38131	2.04975
5090	496363.09	3863877.25	4.02471	3.16701	5.06505	2.37597	3.6411	2.19632	2.93848	3.16701
5091	496863.09	3863877.25	4.22929	3.35121	6.04652	3.23132	4.67725	2.32962	3.54802	3.35121
5092	497363.09	3863877.25	4.24257	3.74232	6.48604	2.92081	5.73271	2.54334	3.31177	3.74232
5093	497863.09	3863877.25	4.00411	4.0581	6.04799	2.8867	5.37822	2.68543	3.82277	4.0581
5094	498363.09	3863877.25	3.50928	3.98227	4.93886	2.83498	5.83398	2.67417	3.78838	3.98227
5095	471363.09	3864377.25	1.33143	0.5877	1.7999	1.40435	4.68362	1.33611	0.59167	0.5877
5096	471863.09	3864377.25	1.27989	0.60204	1.90536	1.20662	4.88831	1.34476	0.60606	0.60204
5097	472363.09	3864377.25	1.25894	0.61928	1.80507	1.06873	4.69316	1.36859	0.62323	0.61928
5098	472863.09	3864377.25	1.30803	0.62412	1.54245	0.98882	4.11964	1.40665	0.62787	0.62412
5099	473363.09	3864377.25	1.33109	0.6011	1.83663	0.96338	3.34951	1.46285	0.60325	0.6011
5100	473863.09	3864377.25	1.34676	0.57957	1.93995	1.10176	3.6381	1.51873	0.58101	0.57957
5101	474363.09	3864377.25	1.35119	0.57822	1.85017	1.28325	3.87735	1.5624	0.5798	0.57822
5102	474863.09	3864377.25	1.47003	0.58578	1.81782	1.41076	3.59732	1.59139	0.58683	0.58578
5103	475363.09	3864377.25	1.5858	0.60456	2.00312	1.47849	3.92483	1.58143	0.60613	0.60456
5104	475863.09	3864377.25	1.6445	0.6353	2.21124	1.46983	4.23388	1.54247	0.63707	0.6353
5105	476363.09	3864377.25	1.64153	0.66578	2.11944	1.40034	4.28947	1.47541	0.66797	0.66578
5106	476863.09	3864377.25	1.57197	0.6905	2.02353	1.36459	5.58844	1.39625	0.6935	0.6905
5107	477363.09	3864377.25	1.44512	0.72721	2.22018	1.21591	7.06984	1.32254	0.72957	0.72721
5108	477863.09	3864377.25	1.32867	0.75687	2.22908	1.15552	6.82805	1.25492	0.75899	0.75687
5109	478363.09	3864377.25	1.25859	0.78199	2.04538	1.30458	4.92591	1.2355	0.78433	0.78199
5110	478863.09	3864377.25	1.24844	0.80364	1.65342	1.39878	7.06108	1.29656	0.80625	0.80364
5111	479363.09	3864377.25	1.28208	0.8344	1.71093	1.33365	7.69082	1.19181	0.83693	0.8344
5112	479863.09	3864377.25	1.37254	0.85521	1.99414	1.40495	7.67223	1.32291	0.85809	0.85521
5113	480363.09	3864377.25	1.50907	0.87108	2.60875	1.2667	8.72638	1.40188	0.87427	0.87108
5114	480863.09	3864377.25	1.64367	0.93468	2.97502	1.61917	7.84155	1.21213	0.90079	0.93468
5115	481363.09	3864377.25	1.76242	1.2021	2.34959	2.09894	5.59203	1.20288	0.94503	1.2021
5116	481863.09	3864377.25	2.2253	1.17209	2.56646	1.9402	4.52076	1.38747	0.94087	1.17209
5117	482363.09	3864377.25	2.84643	0.96142	2.7214	1.71193	6.18639	1.43346	0.96415	0.96142
5118	482863.09	3864377.25	3.10886	0.9896	2.25841	2.45429	6.4029	1.34637	0.99204	0.9896
5119	483363.09	3864377.25	2.98775	1.02163	3.10395	2.65573	6.7213	1.29989	1.0237	1.02163
5120	483863.09	3864377.25	2.63048	1.05572	2.6347	2.03271	6.13044	1.33582	1.0575	1.05572
5121	484363.09	3864377.25	2.3118	1.09028	3.06599	2.24028	6.99493	1.3728	1.09165	1.09028
5122	484863.09	3864377.25	2.15842	1.11479	3.22092	2.31065	5.54062	1.45815	1.11565	1.11479
5123	485363.09	3864377.25	2.29723	1.12973	2.41448	2.02431	6.99284	2.19784	1.1301	1.12973
5124	485863.09	3864377.25	2.74888	1.12634	1.99822	1.89025	6.69661	3.01182	1.12612	1.12634
5125	486363.09	3864377.25	2.94341	1.09086	3.66274	2.24347	10.37065	2.82434	1.08995	1.09086
5126	486863.09	3864377.25	2.93171	1.01418	2.84437	2.84621	19.81269	3.43045	1.01256	1.01418
5127	487363.09	3864377.25	3.40621	0.89626	3.05624	2.74718	11.97688	3.11675	0.89381	0.89626
5128	487863.09	3864377.25	2.85562	0.88715	2.21075	3.14848	5.05217	2.96316	0.89198	0.88715
5129	488363.09	3864377.25	2.50061	0.89982	2.59803	4.03408	4.59463	2.06979	0.90503	0.89982

29.5921496	0.590617425	8.781E-05	0.137116	9.191423	0.46499	2.270913	2.17448396	40.07282
34.9776896	0.621031511	7.586E-05	0.168689	6.411235	0.45501	2.387833	2.2864599	42.73511
30.8806118	0.650369987	7.896E-05	0.164944	2.518831	0.44525	2.500332	2.39447576	34.76594
35.0514655	0.671922674	9.118E-05	0.218489	2.265899	0.32583	2.582721	2.47382657	38.64259
47.5798284	0.675023489	7.122E-05	0.569648	2.20304	0.36998	2.593615	2.48524288	51.50597
62.8427232	0.647174663	0.000109	0.499166	4.727695	0.34585	2.485778	2.38271149	69.16579
84.9388694	0.582156566	6.196E-05	0.238812	4.057487	0.42463	2.234933	2.14333351	90.33362
97.0334012	0.551805487	7.037E-05	0.165688	1.448501	0.38992	1.99683	2.03158954	99.55462
88.3853031	0.709078444	8.779E-05	0.149661	2.463262	0.50791	2.040424	2.61062346	91.6451
64.5829732	0.732620332	4.589E-05	0.144106	6.219115	0.46035	2.329149	2.69729794	71.77106
59.2035897	0.644721914	6.418E-05	0.132902	8.876264	0.38189	2.443115	2.37368118	69.30887
44.1478627	0.649159364	0.000106	0.105362	7.187517	0.29999	3.080146	2.3900186	53.08012
33.2654519	0.646765121	7.565E-05	0.185469	5.350686	0.30341	4.049288	2.38120368	41.41994
33.7839356	0.704100939	8.818E-05	0.212237	5.246517	0.3438	2.813176	2.59229771	40.51155
31.8285144	0.930086868	0.0001007	0.156396	2.931311	0.24317	3.656248	3.42431309	36.32151
28.1752209	0.878147098	0.0001004	0.150321	1.963002	0.3934	3.402209	3.23308575	31.72932
32.131519	0.820568256	8.855E-05	0.167725	2.494828	0.31654	3.770664	3.02109697	36.68084
34.7333774	0.830851799	8.254E-05	0.156623	2.552504	0.33744	4.104433	3.05895803	39.65635
38.1517987	0.922481096	0.0001091	0.129589	2.001319	0.32237	4.111356	3.39631082	42.24271
41.2971773	1.425299112	0.0001285	0.123079	1.679095	0.30385	5.073316	5.24754254	44.6544
43.3963538	1.508197523	0.0001534	0.167387	2.156916	0.32229	6.125692	5.55275072	48.12424
43.5326187	1.684214882	0.0001645	0.151302	2.643641	0.35186	5.717804	6.20079615	47.88081
41.0858026	1.826330301	0.0001534	0.149535	2.480168	0.37152	6.600051	6.72402436	45.78953
36.0083977	1.792203339	0.0001253	0.146856	2.690342	0.36996	6.540676	6.59837868	40.95018
13.6616802	0.264491836	4.566E-05	0.072747	2.159853	0.18484	1.021524	0.97378308	16.3914
13.132833	0.27094549	4.833E-05	0.062505	2.254246	0.18604	1.046369	0.99754359	15.95544
12.917867	0.278704278	4.579E-05	0.055362	2.164252	0.18934	1.076013	1.02610922	15.65547
13.4215749	0.280882499	3.913E-05	0.051222	1.899773	0.1946	1.084024	1.0341288	15.89799
13.6581915	0.270522447	4.659E-05	0.049904	1.544628	0.20238	1.041517	0.99598606	15.7712
13.8189799	0.260832964	4.921E-05	0.057073	1.677711	0.21011	1.00312	0.96031217	16.06756
13.8644357	0.260225403	4.693E-05	0.066474	1.788041	0.21615	1.001031	0.9580753	16.23833
15.083842	0.263627748	4.611E-05	0.073079	1.658905	0.22016	1.013168	0.97060176	17.34223
16.2717472	0.272079605	5.081E-05	0.076588	1.809937	0.21878	1.04649	1.00171907	18.69396
16.8740625	0.285914009	5.609E-05	0.076139	1.952455	0.21339	1.099908	1.05265338	19.44927
16.8435876	0.299631401	5.377E-05	0.07254	1.978091	0.20412	1.153257	1.10315688	19.44812
16.1298389	0.31075653	5.133E-05	0.070688	2.577111	0.19316	1.197335	1.14411641	19.33483
14.8282428	0.327277706	5.632E-05	0.062986	3.260259	0.18297	1.25961	1.20494265	18.71646
13.6333601	0.34062606	5.655E-05	0.059858	3.148758	0.17361	1.310404	1.25408746	17.41259
12.9142757	0.351931207	5.189E-05	0.067579	2.271585	0.17093	1.354154	1.29570977	15.83479
12.8101275	0.361674696	4.194E-05	0.072459	3.25622	0.17937	1.391999	1.3315825	16.74031
13.1553044	0.3755181	4.34E-05	0.069085	3.546624	0.16488	1.444968	1.38254994	17.37387
14.0835061	0.384883551	5.059E-05	0.072778	3.538052	0.18302	1.481501	1.41703085	18.32676
15.4844278	0.392025775	6.618E-05	0.065617	4.024173	0.19394	1.509436	1.44332647	20.22636
16.865546	0.420648679	7.547E-05	0.083875	3.616134	0.16769	1.555223	1.54870779	21.16049
18.0840287	0.54099989	5.96E-05	0.108728	2.578767	0.16641	1.631604	1.99180643	21.11879
22.8335976	0.52749402	6.511E-05	0.100505	2.08475	0.19195	1.624422	1.94208169	25.4207
29.2069552	0.4326829	6.904E-05	0.08868	2.852856	0.19831	1.664615	1.59301434	32.85116
31.8997251	0.445365187	5.729E-05	0.127136	2.9527	0.18626	1.712767	1.63970689	35.68431
30.6570266	0.45978015	7.874E-05	0.137571	3.09953	0.17983	1.767428	1.69277864	34.60847
26.9911122	0.475122206	6.684E-05	0.105297	2.827055	0.1848	1.825784	1.7492637	30.65998
23.7211661	0.490675784	7.778E-05	0.11605	3.225714	0.18992	1.884745	1.80652751	27.82182
22.1473481	0.501706404	8.171E-05	0.119695	2.555059	0.20173	1.926181	1.84713908	25.60466
23.5716647	0.508430086	6.125E-05	0.104862	3.224751	0.30406	1.951129	1.87189375	27.79306
28.2060036	0.506904431	5.069E-05	0.097918	3.088144	0.41667	1.944258	1.86627673	32.39367
30.202058	0.490936811	9.292E-05	0.116215	4.782429	0.39073	1.88181	1.80748853	36.05679
30.0820053	0.45642731	7.216E-05	0.147438	9.136629	0.47459	1.748195	1.68043445	40.36492
34.950806	0.403357925	7.753E-05	0.142308	5.523143	0.43119	1.543172	1.48504819	41.509
29.3012529	0.399258009	5.608E-05	0.163096	2.32981	0.40994	1.540013	1.46995348	32.67347
25.6585281	0.404960088	6.591E-05	0.208971	2.118815	0.28635	1.562543	1.4909469	28.74928

5130	488863.09	3864377.25	3.74828	0.98956	3.24688	11.4728	3.4383	2.52099	0.94616	0.98956	38.4607546	0.445347185	8.237E-05	0.594307	1.585573	0.34877	1.633555	1.63964061	41.42875
5131	489363.09	3864377.25	4.96919	1.05956	3.70237	5.92555	8.28857	2.27307	1.04379	1.05956	50.9883993	0.476850382	9.392E-05	0.306952	3.822277	0.31447	1.802114	1.75562634	55.95553
5132	489863.09	3864377.25	6.65795	1.09726	2.15384	4.53563	9.56177	2.7243	1.10144	1.09726	68.3166096	0.493817103	5.464E-05	0.234952	4.409414	0.37689	1.901647	1.81809294	73.91529
5133	490363.09	3864377.25	8.43628	1.02678	1.9564	3.04172	3.70397	2.8539	1.02962	1.02678	86.5638894	0.462097885	4.963E-05	0.157565	1.708087	0.39482	1.777649	1.70131188	89.36285
5134	490863.09	3864377.25	8.85253	1.23616	2.99792	2.74615	3.42885	2.69845	1.00177	1.23616	90.8349921	0.556328446	7.605E-05	0.142254	1.581215	0.37332	1.729566	2.04824178	93.16951
5135	491363.09	3864377.25	7.93022	1.50507	2.10742	2.82324	8.66616	4.15559	0.9257	1.50507	81.3712545	0.677350225	5.346E-05	0.146248	3.996403	0.57491	1.59823	2.49380926	85.87064
5136	491863.09	3864377.25	7.06882	1.11678	1.21349	1.94577	11.8035	1.15245	1.37581	1.11678	72.5325087	0.502601995	3.078E-05	0.100794	5.443188	0.15944	2.37535	1.85043639	79.26347
5137	492363.09	3864377.25	6.01274	1.35132	2.82884	3.41851	24.58652	2.22826	1.61095	1.35132	61.6961694	0.608155704	7.176E-05	0.177084	11.33808	0.30827	2.781322	2.23905488	74.6701
5138	492863.09	3864377.25	3.8288	1.01184	1.44221	2.48513	6.748	1.514	1.58892	1.01184	39.2869629	0.455374203	3.659E-05	0.128733	3.111843	0.20945	2.743286	1.67655721	44.25913
5139	493363.09	3864377.25	3.10217	1.31793	2.70573	3.50718	14.94147	1.94771	1.56953	1.31793	31.8310797	0.593128679	6.864E-05	0.181677	6.890264	0.26946	2.709809	2.18372968	40.29175
5140	493863.09	3864377.25	3.15891	1.53042	3.26078	3.39606	11.47853	2.26812	1.50996	1.53042	32.4132835	0.688758882	8.272E-05	0.175921	5.293328	0.31378	2.606961	2.53581266	38.95631
5141	494363.09	3864377.25	3.00891	1.81008	3.72455	2.64052	5.26683	2.63219	1.55548	1.81008	30.8741474	0.814618652	9.448E-05	0.136783	2.428801	0.36415	2.685552	2.99919224	34.30495
5142	494863.09	3864377.25	2.54956	1.80833	3.71158	2.65425	3.83229	1.58556	1.83487	1.80833	26.1607995	0.813831072	9.415E-05	0.137494	1.767262	0.21935	3.167922	2.99629259	29.27046
5143	495363.09	3864377.25	2.80179	1.50136	3.35073	2.95712	4.94551	1.8485	2.08878	1.50136	28.7489082	0.675680555	8.5E-05	0.153183	2.280624	0.25573	3.6063	2.48766201	33.23285
5144	495863.09	3864377.25	3.11689	1.61674	3.16974	2.94042	5.05156	2.32149	2.15551	1.61674	31.9821202	0.727606824	8.041E-05	0.152318	2.329529	0.32117	3.72151	2.67883964	36.55549
5145	496363.09	3864377.25	3.25819	1.90644	3.07434	2.22013	4.25828	2.09243	2.20878	1.90644	33.4319865	0.857985052	7.799E-05	0.115006	1.963707	0.28948	3.813481	3.15885488	37.31287
5146	496863.09	3864377.25	3.58001	2.30287	4.4009	2.02944	3.42115	1.95724	2.1056	2.30287	36.7341517	1.036396654	0.0001116	0.105128	1.577665	0.27077	3.63534	3.81571523	39.54385
5147	497363.09	3864377.25	3.87173	3.0798	4.86537	2.66352	3.65115	2.08717	3.09382	3.0798	39.7274637	1.38605063	0.0001234	0.137974	1.683729	0.28875	5.341512	5.10304089	43.46256
5148	497863.09	3864377.25	4.1627	2.98293	6.33905	2.94873	5.1537	2.2386	3.28653	2.98293	42.71308	1.342454707	0.0001608	0.152748	2.376631	0.3097	5.674227	4.9425332	47.62647
5149	498363.09	3864377.25	3.99896	3.28357	6.02351	2.42789	5.32958	2.39692	2.952	3.28357	41.032959	1.477756435	0.0001528	0.125768	2.457738	0.3316	5.096658	5.44067536	45.08196
5150	471363.09	3864877.25	1.21398	0.5813	1.57531	0.96846	4.23917	1.40815	0.58451	0.5813	12.4565366	0.261611543	3.996E-05	0.050168	1.954895	0.19481	1.009162	0.96317867	14.96404
5151	471863.09	3864877.25	1.25308	0.59566	1.31194	0.93448	3.68263	1.45183	0.59898	0.59566	12.8577381	0.268074199	3.328E-05	0.048407	1.698246	0.20085	1.034145	0.98697232	15.12053
5152	472363.09	3864877.25	1.27705	0.61032	1.44238	0.98082	3.0979	1.49411	0.6135	0.61032	13.103692	0.274671868	3.659E-05	0.050808	1.428598	0.2067	1.059214	1.01126304	15.11246
5153	472863.09	3864877.25	1.28401	0.61099	1.7369	1.13744	3.50723	1.52395	0.61374	0.61099	13.1751079	0.274973399	4.406E-05	0.058921	1.61736	0.21083	1.059628	1.01237319	15.38449
5154	473363.09	3864877.25	1.2614	0.58834	1.84759	1.22007	3.70348	1.53544	0.5897	0.58834	12.9431088	0.264779865	4.687E-05	0.063201	1.707861	0.21242	1.018123	0.97484352	15.2347
5155	473863.09	3864877.25	1.28224	0.60464	1.78436	1.31438	3.51423	1.51725	0.60642	0.60464	13.1569461	0.272115609	4.527E-05	0.068087	1.620588	0.2099	1.04699	1.00185163	15.37282
5156	474363.09	3864877.25	1.41664	0.63029	1.77346	1.34519	3.7113	1.47129	0.63233	0.63029	14.5360121	0.28365928	4.499E-05	0.069683	1.711467	0.20355	1.091724	1.04435211	16.85178
5157	474863.09	3864877.25	1.51587	0.65508	1.90112	1.31543	3.82559	1.40784	0.65723	0.65508	15.554202	0.294815912	4.823E-05	0.068141	1.764172	0.19477	1.134714	1.08542763	17.92543
5158	475363.09	3864877.25	1.56785	0.67806	2.03963	1.25805	3.85016	1.33675	0.68039	0.67806	16.0875639	0.305157962	5.174E-05	0.065169	1.775503	0.18493	1.1747	1.12350409	18.46957
5159	475863.09	3864877.25	1.55301	0.70028	1.90183	1.2132	4.4725	1.26704	0.70275	0.70028	15.9352921	0.315157976	4.825E-05	0.062845	2.062495	0.17529	1.213305	1.16032128	18.60411
5160	476363.09	3864877.25	1.48312	0.7185	1.92939	1.07365	6.08005	1.20407	0.72138	0.7185	15.2181572	0.323357808	4.894E-05	0.055617	2.803817	0.16658	1.24547	1.19051071	18.62253
5161	476863.09	3864877.25	1.38748	0.72386	1.92502	1.06803	6.98619	1.14635	0.72808	0.72386	14.236804	0.325770053	4.883E-05	0.055325	3.221684	0.15859	1.257038	1.1993919	18.05587
5162	477363.09	3864877.25	1.27527	0.74753	1.72376	1.23243	5.97854	1.15799	0.75111	0.74753	13.0854276	0.336422634	4.373E-05	0.063842	2.757006	0.1602	1.296799	1.23861165	16.46113
5163	477863.09	3864877.25	1.20679	0.76567	1.44005	1.33265	4.83887	1.26195	0.76936	0.76567	12.3827607	0.344586462	3.653E-05	0.069033	2.231447	0.17458	1.328308	1.26866852	15.26209
5164	478363.09	3864877.25	1.19252	0.78406	1.39723	1.27167	7.07695	1.25454	0.7878	0.78406	12.2363375	0.352862802	3.544E-05	0.065874	3.263538	0.17356	1.360145	1.29913963	16.15321
5165	478863.09	3864877.25	1.23001	0.80305	1.6247	1.35015	7.23698	1.19664	0.80671	0.80305	12.6210189	0.361409169	4.122E-05	0.06994	3.337336	0.16555	1.392793	1.33060491	16.61748
5166	479363.09	3864877.25	1.31199	0.82266	1.80612	1.27067	7.14328	1.32516	0.82607	0.82266	13.4622081	0.370234564	4.582E-05	0.065822	3.294126	0.18333	1.426218	1.36309748	17.43889
5167	479863.09	3864877.25	1.42918	0.84207	2.32966	1.30675	7.98138	1.33307	0.84517	0.84207	14.6646839	0.378969951	5.91E-05	0.067691	3.680616	0.18442	1.459195	1.39525867	19.04038
5168	480363.09	3864877.25	1.57047	0.8624	2.68842	1.83244	7.23519	1.13795	0.8652	0.8624	16.1144475	0.388119379	6.82E-05	0.094923	3.33651	0.15743	1.493777	1.42894424	20.15633
5169	480863.09	3864877.25	1.66861	0.94079	2.12533	2.02985	5.26798	1.10426	0.88195	0.94079	17.121453	0.423398458	5.392E-05	0.105149	2.429331	0.15277	1.522696	1.55883169	20.19602
5170	481363.09	3864877.25	1.71514	1.17952	1.79744	1.65262	4.04611	1.04806	0.91605	1.17952	17.598893	0.530837859	4.56E-05	0.085608	1.865865	0.14499	1.58157	1.95439275	19.85342
5171	481863.09	3864877.25	2.28138	1.09584	2.52682	1.79612	5.25393	1.34737	0.90355	1.09584	23.4090293	0.493178038	6.41E-05	0.093042	2.422852	0.1864	1.559988	1.81574009	26.34881
5172	482363.09	3864877.25	2.85182	0.90901	2.53233	2.46353	5.99327	1.37486	0.90966	0.90901	29.2622614	0.409096007	6.424E-05	0.127614	2.763799	0.19021	1.570537	1.50617417	32.8174
5173	482863.09	3864877.25	3.07415	0.90139	2.29559	2.50152	6.54586	1.29616	0.90137	0.90139	31.543569	0.405666659	5.823E-05	0.129582	3.018626	0.17932	1.556224	1.49354829	35.3395
5174	483363.09	3864877.25	2.92162	0.87365	3.02384	1.8609	5.44175	1.26917	0.87282	0.87365	29.9784728	0.393182393	7.671E-05	0.096397	2.509465	0.17558	1.506933	1.4475848	33.21253
5175	483863.09	3864877.25	2.56288	0.82009	2.75533	2.02686	5.46056	1.29918	0.81853	0.82009	26.2974748	0.369077947	6.99E-05	0.104994	2.518139	0.17974	1.4132	1.35883915	29.52385
5176	484363.09	3864877.25	2.26608	0.77686	2.88016	2.11732	6.42606	1.33738	0.77871	0.77686	23.2520374	0.349622473	7.306E-05	0.10968	2.96338	0.18502	1.344451	1.28720967	26.91705
5177	484863.09	3864877.25	2.15664	0.78458	1.99766	1.88293	4.81261	1.48284	0.78206	0.78458	22.1290837	0.353096826	5.068E-05	0.097538	2.219337	0.20514	1.350235	1.30000124	25.05448
5178	485363.09	3864877.25	2.3423	0.78661	1.84733	1.72034	6.65722	2.30511	0.78671	0.78661	24.0341238	0.354010418	4.686E-05	0.089116	3.069979	0.3189	1.358263	1.30336483	27.92108
5179	485863.09	3864877.25	2.78389	0.79205	1.89453	1.95167	5.64171	2.93642	0.79833	0.79205	28.565238	0.356458667	4.806E-05	0.101099	2.601677	0.40624	1.378325	1.31237858	32.09671
5180	486363.09	3864877.25	2.91289	0.81051	3.59663	2.44229	11.78561	2.79452	0.81675	0.81051	29.8888951	0.36476651	9.124E-05	0.126514	5.434938	0.38661	1.410127	1.34296567	36.26897
5181	486863.09	3864877.25	2.98638	0.83931	2.44831	2.63104	19.2823	3.43697	0.84544	0.83931	30.6429692	0.377727825	6.211E-05	0.136292	8.89204	0.47549	1.459661	1.39068552	40.59355
5182	487363.09	3864877.25	3.36793	0.87825	2.61015	2.59959	10.21623	2.99397	0.88414	0.87825	34.5580185	0.395252603	6.621E-05	0.134662	4.711218	0.4142	1.526477	1.45520672	40.28469
5183	487863.09	3864877.25	2.69001	0.91658	2.64071	3.22706	4.67513	2.62821	0.92198	0.91658	27.601944	0.412502853	6.699E-05	0.167166	2.155938	0.3636	1.591808	1.5187172	30.77431
5184	488363.09	3864877.25	2.16979	0.92931	1.71146	4.53474	4.29979	1.85872	0.9339	0.92931	22.2640146	0.418231934	4.342E-05	0.234906	1.98285	0.25714	1.612388	1.53981003	25.22977
5185	488863.09	3864877.25	2.8889	0.9051	3.50409	11.57701	2.4328	2.28304	0.88257	0.9051	29.6427359	0.407336329	8.889E-05	0.599705	1.121887	0.31585	1.523766	1.49969554	32.11167
5186	489363.09	3864877.25	4.0611	0.90782	3.18729	4.76194	6.67756	2.17968	0.86573	0.90782	41.6705718	0.408560453	8.085E-05	0.246675	3.079359	0.30155	1.494692	1.50420241	45.69728
5187	489863.09	3864877.25	5.37862	1.02917	1.91158	4.45082	9.48462	2.05811	0.90319	1.02917	55.1895227	0.463173494	4.849E-05	0.230559	4.373836	0.28473	1.559367	1.70527196	60.39596
5188	490363.09	3864877.25	7.10848	0.97873	1.41571	3.10605	5.19393	2.61625	0.98407	0.97873	72.9394563	0.440473191	3.591E-05	0.160898	2.395183	0.36195	1.699007	1.62169596	76.3753

5189	490863.09	3864877.25	9.47845	1.57405	2.61724	2.83634	2.84221	4.73311	0.87774	1.57405	97.2574994	0.708394374	6.639E-05	0.146926	1.310686	0.6548	1.515427	2.60810491	98.9857
5190	491363.09	3864877.25	8.61499	1.22283	2.64888	2.68953	4.8935	3.46957	0.91151	1.22283	88.3976162	0.550329337	6.72E-05	0.139321	2.256639	0.48	1.573731	2.02615478	91.37155
5191	491863.09	3864877.25	7.20607	2.20779	1.45689	2.6495	11.62321	3.98349	1.15563	2.20779	73.9408183	0.993606312	3.696E-05	0.137248	5.360047	0.5511	1.995207	3.65817347	79.31989
5192	492363.09	3864877.25	3.80269	0.69707	1.08965	1.07265	5.85331	1.03674	0.74239	0.69707	39.0190506	0.31371333	2.764E-05	0.055565	2.699256	0.14343	1.281744	1.1550025	42.35778
5193	492863.09	3864877.25	4.43865	0.82919	1.20914	1.48176	9.04539	1.04938	1.14349	0.82919	45.5445774	0.373173363	3.067E-05	0.076757	4.171285	0.14518	1.974247	1.37391729	50.91133
5194	493363.09	3864877.25	2.53722	0.88269	1.35515	1.52224	4.59641	1.23668	0.88812	0.88269	26.0341799	0.397250805	3.438E-05	0.078854	2.119636	0.17109	1.533348	1.46256353	28.87183
5195	493863.09	3864877.25	2.89796	1.20138	2.53258	3.50069	14.44203	1.89542	1.47314	1.20138	29.7356997	0.540675858	6.425E-05	0.181341	6.659947	0.26222	2.543391	1.99061344	37.93273
5196	494363.09	3864877.25	2.93256	1.4298	3.06007	3.13222	9.19182	2.31997	1.39972	1.4298	30.0907271	0.643475288	7.763E-05	0.162253	4.238811	0.32096	2.416631	2.36909146	35.50384
5197	494863.09	3864877.25	2.87385	1.67108	3.43192	2.38132	4.3749	1.71569	1.32228	1.67108	29.4883092	0.752062305	8.706E-05	0.123356	2.017487	0.23736	2.28293	2.76887771	32.13271
5198	495363.09	3864877.25	2.50108	1.65919	3.52021	2.40654	3.46595	1.54522	1.67277	1.65919	25.6633507	0.746711262	8.93E-05	0.124662	1.598324	0.21377	2.888054	2.7491767	28.48579
5199	495863.09	3864877.25	2.41533	1.38033	3.13078	2.45317	4.50849	1.53759	1.75843	1.38033	24.7834779	0.621211529	7.942E-05	0.127078	2.079092	0.21272	3.035947	2.28712268	28.57248
5200	496363.09	3864877.25	2.83615	1.4606	3.02923	2.9113	4.59198	2.02921	1.99616	1.4606	29.101473	0.657336694	7.685E-05	0.150809	2.117593	0.28073	3.44639	2.42012518	33.33429
5201	496863.09	3864877.25	3.06633	1.76011	2.41616	2.14588	4.16238	2.16743	2.08372	1.76011	31.4633287	0.79212987	6.129E-05	0.11116	1.919483	0.29985	3.597564	2.91639499	35.26718
5202	497363.09	3864877.25	3.10237	1.73818	3.54703	1.97537	3.13494	1.87164	1.97631	1.73818	31.8331318	0.782260369	8.998E-05	0.102327	1.445679	0.25893	3.412119	2.88005832	34.95448
5203	497863.09	3864877.25	3.53122	2.65293	4.24932	2.04138	2.87223	1.92371	2.49528	2.65293	36.233522	1.193939638	0.0001078	0.105746	1.32453	0.26614	4.308126	4.39574332	39.03636
5204	498363.09	3864877.25	3.77135	2.8158	5.00816	2.63985	4.23439	1.93311	2.97121	2.8158	38.6974738	1.267238575	0.000127	0.136748	1.95269	0.26744	5.129824	4.66560898	42.78593
5205	471363.09	3865377.25	1.20753	0.57138	1.22681	0.96101	2.86348	1.48294	0.57341	0.57138	12.3903537	0.25714709	3.112E-05	0.049782	1.320495	0.20516	0.989998	0.94674184	14.26622
5206	471863.09	3865377.25	1.20944	0.58621	1.36266	1.08176	3.32848	1.47659	0.58835	0.58621	12.4099521	0.263821268	3.457E-05	0.056037	1.53493	0.20428	1.015792	0.97131424	14.51353
5207	472363.09	3865377.25	1.1933	0.59971	1.64915	1.15207	3.58665	1.44878	0.60169	0.59971	12.244341	0.269896884	4.184E-05	0.059679	1.653985	0.20043	1.038824	0.99368292	14.47352
5208	472863.09	3865377.25	1.18505	0.60209	1.75507	1.23473	3.50786	1.40006	0.60436	0.60209	12.1596885	0.270967993	4.452E-05	0.063961	1.617651	0.19369	1.043434	0.99762643	14.35181
5209	473363.09	3865377.25	1.24232	0.62723	1.72737	1.22031	3.5163	1.34372	0.63058	0.62723	12.7473307	0.282282141	4.382E-05	0.063214	1.621543	0.1859	1.088703	1.03928188	14.94973
5210	473863.09	3865377.25	1.36302	0.64526	1.70806	1.18009	3.55605	1.2779	0.64848	0.64526	13.9858222	0.290396464	4.333E-05	0.06113	1.639874	0.17679	1.119607	1.06915649	16.20451
5211	474363.09	3865377.25	1.45264	0.66058	1.79853	1.14204	3.60518	1.21376	0.66403	0.66058	14.9054048	0.297291163	4.562E-05	0.059159	1.66253	0.16792	1.146455	1.0945408	17.14426
5212	474863.09	3865377.25	1.5019	0.67354	1.89852	1.08584	3.72473	1.15548	0.67725	0.67354	15.4108571	0.303123755	4.816E-05	0.056248	1.717661	0.15986	1.169279	1.11601473	17.70106
5213	475363.09	3865377.25	1.48056	0.68937	1.73383	0.98082	4.89891	1.09482	0.69316	0.68937	15.1918893	0.310247978	4.398E-05	0.050808	2.259134	0.15146	1.196748	1.14224407	18.01809
5214	475863.09	3865377.25	1.41481	0.70247	1.59314	0.94819	6.34873	1.04506	0.70631	0.70247	14.5172346	0.316143576	4.041E-05	0.049118	2.927719	0.14458	1.219451	1.16394998	18.01034
5215	476363.09	3865377.25	1.35765	0.65609	1.68998	1.19968	6.82977	1.06291	0.66378	0.65609	13.9307212	0.295270458	4.287E-05	0.062145	3.149551	0.14705	1.146023	1.08710114	17.6437
5216	476863.09	3865377.25	1.30789	0.70634	1.4975	1.33957	5.61565	1.15047	0.7137	0.70634	13.4201384	0.317885253	3.799E-05	0.069392	2.589659	0.15916	1.23221	1.17036233	16.61812
5217	477363.09	3865377.25	1.1951	0.70249	1.14573	1.2874	5.51453	1.24307	0.70811	0.70249	12.2628106	0.316152577	2.906E-05	0.066689	2.543027	0.17197	1.222559	1.16398311	15.41926
5218	477863.09	3865377.25	1.1553	0.75641	1.32215	1.29707	7.11133	1.18577	0.7596	0.75641	11.8544265	0.340419039	3.354E-05	0.06719	3.279392	0.16405	1.311457	1.25332527	15.76364
5219	478363.09	3865377.25	1.19279	0.76802	1.65293	1.28029	6.81858	1.21359	0.77081	0.76802	12.2391079	0.345644069	4.193E-05	0.066321	3.144391	0.16789	1.330811	1.27256233	16.02165
5220	478863.09	3865377.25	1.26437	0.77079	1.63371	1.10973	6.68666	1.3087	0.77294	0.77079	12.9735837	0.346890696	4.144E-05	0.057486	3.083556	0.18105	1.334489	1.27715205	16.69995
5221	479363.09	3865377.25	1.37036	0.76349	2.13301	1.43957	7.37947	1.26567	0.76503	0.76349	14.0611373	0.343605363	5.411E-05	0.074572	3.403045	0.1751	1.320832	1.2650564	18.11329
5222	479863.09	3865377.25	1.49609	0.75561	2.40152	1.92064	6.67535	1.07539	0.75657	0.75561	15.3512412	0.340059003	6.092E-05	0.099492	3.07834	0.14877	1.306226	1.25199972	19.07219
5223	480363.09	3865377.25	1.58275	0.77221	1.92063	1.85865	4.96305	1.01868	0.75714	0.77221	16.2404515	0.347529761	4.872E-05	0.096281	2.288712	0.14093	1.30721	1.2795049	19.14166
5224	480863.09	3865377.25	1.6219	0.94294	1.70452	1.36007	3.59125	0.97332	0.83379	0.94294	16.642166	0.424366057	4.324E-05	0.070454	1.656106	0.13465	1.439547	1.56239411	18.80494
5225	481363.09	3865377.25	1.62299	1.14808	1.61637	1.90277	4.38827	1.01484	0.88401	1.14808	16.6533504	0.516688424	4.1E-05	0.098566	2.023652	0.1404	1.526252	1.90229859	19.05665
5226	481863.09	3865377.25	2.33899	1.03454	2.48096	2.44133	5.63665	1.31801	0.78018	1.03454	24.0001602	0.465590239	6.294E-05	0.126464	2.599343	0.18234	1.346989	1.71416973	27.00678
5227	482363.09	3865377.25	2.85966	0.82539	2.39219	2.32199	5.94156	1.32572	0.76669	0.82539	29.342707	0.371463189	6.068E-05	0.120282	2.739953	0.18341	1.323698	1.36762092	32.71395
5228	482863.09	3865377.25	3.03378	0.76379	2.32997	1.70657	5.27421	1.25067	0.77005	0.76379	31.1293362	0.343740376	5.911E-05	0.088403	2.432204	0.17302	1.329499	1.26555348	34.23071
5229	483363.09	3865377.25	2.85113	0.76921	2.89264	1.84906	5.23373	1.23639	0.77548	0.76921	29.2551814	0.346179624	7.338E-05	0.095784	2.413536	0.17105	1.338874	1.27453409	32.34614
5230	483863.09	3865377.25	2.50633	0.77897	2.57081	1.94689	5.97616	1.27291	0.78521	0.77897	25.7172205	0.350572069	6.522E-05	0.100852	2.755908	0.1761	1.355673	1.29070581	29.16569
5231	484363.09	3865377.25	2.23131	0.79295	1.84343	1.75721	5.08804	1.3137	0.79911	0.79295	22.8952657	0.356863708	4.676E-05	0.091026	2.346351	0.18174	1.379672	1.31386982	25.9371
5232	484863.09	3865377.25	2.16324	0.81321	2.0093	1.56139	5.48551	1.52901	0.81922	0.81321	22.1968057	0.365981633	5.097E-05	0.080882	2.529645	0.21153	1.414392	1.34743941	25.45185
5233	485363.09	3865377.25	2.38489	0.83952	1.27118	1.71508	5.87947	2.37721	0.84528	0.83952	24.4711359	0.377822334	3.225E-05	0.088844	2.71132	0.32888	1.459384	1.39103347	28.04638
5234	485863.09	3865377.25	2.80852	0.86606	2.4044	2.10258	4.44303	2.85971	0.87143	0.86606	28.8179641	0.389766546	6.099E-05	0.108917	2.048905	0.39563	1.504533	1.43500863	31.83076
5235	486363.09	3865377.25	2.89785	0.87564	3.479	2.45613	13.09247	2.80998	0.88035	0.87564	29.734571	0.394077984	8.825E-05	0.127231	6.037597	0.38875	1.519933	1.45088211	36.75136
5236	486863.09	3865377.25	3.04585	0.84833	2.37794	2.25314	18.48625	3.40244	0.85213	0.84833	31.2531853	0.381787237	6.032E-05	0.116716	8.524941	0.47071	1.471211	1.40563111	40.81298
5237	487363.09	3865377.25	3.318	0.76201	1.62288	2.59038	8.73009	2.94148	0.83224	0.76201	34.0456913	0.342939295	4.117E-05	0.134185	4.025884	0.40694	1.436871	1.26260413	39.12995
5238	487863.09	3865377.25	2.53261	0.75797	2.52014	3.11968	4.3514	2.31548	0.8153	0.75797	25.9868771	0.341121111	6.393E-05	0.161604	2.00665	0.32034	1.407624	1.25591009	28.96836
5239	488363.09	3865377.25	1.98842	0.78293	1.38412	5.40424	4.02204	1.65594	0.78699	0.78293	20.4029938	0.35235425	3.511E-05	0.279947	1.854765	0.22909	1.358746	1.29726729	23.18067
5240	488863.09	3865377.25	2.38783	0.83256	3.62534	10.79713	2.46953	2.04056	0.83675	0.83256	24.5013029	0.374690016	9.197E-05	0.559306	1.138825	0.2823	1.444657	1.37950118	26.92167
5241	489363.09	3865377.25	3.25406	0.92398	2.77757	4.02035	5.42158	2.10857	0.92818	0.92398	33.3896089	0.415833191	7.046E-05	0.20826	2.500164	0.29171	1.602512	1.53097854	36.87718
5242	489863.09	3865377.25	4.47267	0.98991	2.16088	4.26362	8.93309	1.71297	0.99344	0.98991	45.8936535	0.445504701	5.482E-05	0.220861	4.119498	0.23698	1.715184	1.64022054	50.99152
5243	490363.09	3865377.25	6.44308	1.14486	1.65207	3.47941	6.92504	2.82929	0.83091	1.14486	66.1118484	0.515239277	4.191E-05	0.180238	3.193485	0.39142	1.434575	1.89696324	69.92988
5244	490863.09	3865377.25	8.36328	1.73065	1.71506	2.61189	2.51372	4.65468	0.86617	1.73065	85.8148431	0.778871525	4.351E-05	0.1353	1.159203	0.64395	1.495451	2.86758157	87.16008
5245	491363.09	3865377.25	9.22406	1.44767	2.9554	1.75266	3.30761	3.78871	0.84824	1.44767	94.6472271	0.651517604	7.497E-05	0.09079	1.525306	0.52415	1.464495	2.39870096	96.50486
5246	491863.09	3865377.25	8.22231	1.7898	1.82044	2.21087	6.96823	3.84905	0.93023	1.7898	84.368363	0.805491726	4.618E-05	0.114526	3.213402	0.5325	1.606052	2.96558951	87.67479
5247	492363.09	3865377.25	6.15752	2.13736	1.18712	2.50539	14.00753	2.21708	1.69776	2.13736	63.1817436	0.961909596	3.011E-05	0.129783	6.459577	0.30672	2.9312	3.54147525	70.42949

5248	492863.09	3865377.25	6.26797	1.13888	1.32685	1.70977	17.16824	1.136	1.35895	1.13888	64.3150609	0.512548004	3.366E-05	0.088568	7.91714	0.15716	2.346241	1.88705475	73.4497
5249	493363.09	3865377.25	3.68278	0.77275	1.17565	1.42375	5.5425	1.01518	1.02576	0.77275	37.7886652	0.347772785	2.982E-05	0.073752	2.555926	0.14045	1.770985	1.28039965	41.39718
5250	493863.09	3865377.25	2.79715	0.98124	1.36736	2.54899	7.26783	1.4514	1.45229	0.98124	28.7012976	0.441602805	3.469E-05	0.132041	3.351562	0.20079	2.507393	1.62585487	33.70887
5251	494363.09	3865377.25	2.71373	1.09417	2.36431	3.3971	13.24662	1.88539	1.36026	1.09417	27.8453327	0.492426462	5.998E-05	0.175975	6.108684	0.26083	2.348503	1.812973	35.41884
5252	494863.09	3865377.25	2.74522	1.35812	2.87354	2.73489	7.78401	2.02808	1.30121	1.35812	28.1684487	0.611216015	7.29E-05	0.141671	3.589599	0.28057	2.246552	2.25032206	32.78781
5253	495363.09	3865377.25	2.75338	1.54516	3.15207	2.17852	4.00063	1.74134	1.22665	1.54516	28.2521777	0.695392555	7.996E-05	0.11285	1.844892	0.24091	2.117824	2.56023594	30.70389
5254	495863.09	3865377.25	2.43233	1.57208	3.34091	2.16279	3.14599	1.41907	1.56441	1.57208	24.9579133	0.707507784	8.475E-05	0.112036	1.450774	0.19632	2.70097	2.60484074	27.52077
5255	496363.09	3865377.25	2.14826	1.4344	3.09513	2.48863	4.17592	1.31704	1.87566	1.4344	22.0430973	0.645545498	7.852E-05	0.128915	1.925727	0.18221	3.238346	2.37671337	25.7872
5256	496863.09	3865377.25	2.59015	1.3755	3.03216	3.00099	4.18725	1.63592	1.91549	1.3755	26.5772898	0.619037808	7.692E-05	0.155455	1.930952	0.22632	3.307113	2.27911966	30.53713
5257	497363.09	3865377.25	2.83784	1.62309	2.49623	2.15328	4.01068	2.06464	1.96466	1.62309	29.118814	0.730464614	6.332E-05	0.111543	1.849527	0.28563	3.392005	2.6893612	32.79869
5258	497863.09	3865377.25	2.95641	1.56413	2.66908	1.90318	2.86101	1.93849	1.84281	1.56413	30.3354498	0.703929921	6.771E-05	0.098587	1.319356	0.26818	3.18163	2.59166808	33.31553
5259	498363.09	3865377.25	3.15017	2.40194	3.96101	1.58337	2.8155	1.89006	1.91581	2.40194	32.3236032	1.080982678	0.0001005	0.082021	1.298369	0.26148	3.307665	3.97986818	34.37435
5260	471363.09	3865877.25	1.12935	0.57564	1.30757	1.08399	3.44642	1.33971	0.58021	0.57564	11.588156	0.259064285	3.317E-05	0.056152	1.589318	0.18534	1.001738	0.9538004	13.726
5261	471863.09	3865877.25	1.1151	0.59181	1.56439	1.11733	3.37775	1.28391	0.59627	0.59181	11.441938	0.266341523	3.969E-05	0.057879	1.557651	0.17762	1.029466	0.9805931	13.55034
5262	472363.09	3865877.25	1.19691	0.59841	1.67538	1.18215	3.40418	1.22139	0.60102	0.59841	12.2813829	0.269311825	4.25E-05	0.061237	1.569839	0.16897	1.037667	0.9915289	14.39692
5263	472863.09	3865877.25	1.20343	0.61917	1.66485	1.061	3.47926	1.16485	0.62312	0.61917	12.348284	0.278654773	4.223E-05	0.054961	1.604462	0.16115	1.075823	1.02592695	14.49745
5264	473363.09	3865877.25	1.31463	0.63258	1.64528	1.03921	3.34121	1.10685	0.63637	0.63258	13.4892969	0.284689885	4.174E-05	0.053833	1.5408	0.15313	1.098699	1.0481465	15.57234
5265	473863.09	3865877.25	1.39978	0.6429	1.71964	0.97447	3.23113	1.05419	0.64665	0.6429	14.3630132	0.289334356	4.362E-05	0.050479	1.490037	0.14584	1.116448	1.06524612	16.38995
5266	474363.09	3865877.25	1.43683	0.65249	1.75505	0.89708	3.87321	0.99935	0.65613	0.65249	14.7431798	0.293650294	4.452E-05	0.04647	1.786132	0.13826	1.132815	1.08113616	17.05941
5267	474863.09	3865877.25	1.42833	0.66075	1.63364	0.91058	5.54122	0.95288	0.6642	0.66075	14.6559621	0.297367671	4.144E-05	0.047169	2.555336	0.13183	1.146748	1.09482248	17.73963
5268	475363.09	3865877.25	1.36129	0.66665	1.24756	1.10185	6.37802	0.98416	0.66979	0.66665	13.9680709	0.300022941	3.165E-05	0.057077	2.941226	0.13615	1.156399	1.10459842	17.45438
5269	475863.09	3865877.25	1.27309	0.66965	1.33264	1.22626	5.83537	1.12468	0.6725	0.66965	13.0630588	0.301373078	3.381E-05	0.063522	2.690983	0.15559	1.161078	1.10956924	16.32607
5270	476363.09	3865877.25	1.24106	0.6376	1.32682	1.27523	4.56388	1.19008	0.64318	0.6376	12.734402	0.286949114	3.366E-05	0.066059	2.104635	0.16464	1.110457	1.05646434	15.41071
5271	476863.09	3865877.25	1.21101	0.70431	1.18487	1.29272	6.35091	1.17017	0.71158	0.70431	12.4260617	0.31697166	3.006E-05	0.066965	2.928724	0.16189	1.22855	1.16699874	15.96219
5272	477363.09	3865877.25	1.16326	0.64121	1.45542	1.31538	7.58647	1.08724	0.64352	0.64121	11.9361033	0.288573779	3.692E-05	0.068139	3.498503	0.15041	1.111044	1.06244589	15.99037
5273	477863.09	3865877.25	1.16292	0.67604	1.655	1.16105	6.39893	1.23019	0.67845	0.67604	11.9326146	0.304248869	4.198E-05	0.060144	2.950869	0.17019	1.171351	1.12015708	15.4693
5274	478363.09	3865877.25	1.23109	0.70019	1.493	1.11684	6.30634	1.3067	0.70333	0.70019	12.6321007	0.315117472	3.787E-05	0.057854	2.908171	0.18078	1.214306	1.16017215	16.14819
5275	478863.09	3865877.25	1.3268	0.71884	2.00193	1.64982	6.88587	1.21894	0.72279	0.71884	13.6141722	0.323510824	5.078E-05	0.085463	3.175421	0.16863	1.247904	1.19107407	17.42408
5276	479363.09	3865877.25	1.43298	0.731	2.17486	1.90155	6.19652	1.02826	0.73572	0.731	14.7036753	0.328983379	5.517E-05	0.098503	2.857527	0.14225	1.270228	1.21122245	18.19
5277	479863.09	3865877.25	1.51222	0.74016	1.76651	1.63929	4.69796	0.94567	0.74555	0.74016	15.5167497	0.333105797	4.481E-05	0.084918	2.166466	0.13083	1.2872	1.22640001	18.29291
5278	480363.09	3865877.25	1.54848	0.77038	1.54403	1.29626	3.18377	0.91001	0.75228	0.77038	15.8888102	0.346706177	3.917E-05	0.067148	1.468197	0.1259	1.298819	1.27647271	17.91914
5279	480863.09	3865877.25	1.54783	0.95514	1.29996	1.9936	3.68404	0.91211	0.82765	0.95514	15.8821406	0.429856614	3.298E-05	0.103271	1.698896	0.12619	1.428946	1.58260877	18.08672
5280	481363.09	3865877.25	1.52959	1.11724	1.56781	2.40162	5.15324	1.03881	0.85534	1.11724	15.6949816	0.502809016	3.977E-05	0.124407	2.376418	0.14371	1.476753	1.85119859	18.46793
5281	481863.09	3865877.25	2.39357	0.98149	2.42368	2.15015	5.11771	1.29185	0.77196	0.98149	24.5602005	0.441715317	6.148E-05	0.111381	2.360034	0.17872	1.332797	1.62626911	27.35864
5282	482363.09	3865877.25	2.86805	0.79556	2.29298	1.57303	5.47265	1.2839	0.78341	0.79556	29.428796	0.358038327	5.817E-05	0.081485	2.523715	0.17762	1.352565	1.31819443	32.60408
5283	482863.09	3865877.25	2.99779	0.7931	2.36623	1.69324	4.81413	1.21671	0.7991	0.7931	30.7600461	0.356931215	6.003E-05	0.087712	2.220038	0.16833	1.379654	1.31411836	33.65865
5284	483363.09	3865877.25	2.79108	0.81175	2.75422	1.80194	4.70003	1.21377	0.81753	0.81175	28.6390139	0.365324566	6.987E-05	0.093343	2.167421	0.16792	1.411474	1.34502027	31.49954
5285	483863.09	3865877.25	2.4617	0.82841	1.84034	1.64794	5.66822	1.2577	0.83381	0.82841	25.2592762	0.372822327	4.669E-05	0.085366	2.613902	0.174	1.439581	1.37262488	28.57237
5286	484363.09	3865877.25	2.21398	0.83426	1.33722	1.42367	3.5232	1.31095	0.8391	0.83426	22.7174442	0.375455094	3.392E-05	0.073748	1.624725	0.18136	1.448715	1.38231797	25.03917
5287	484863.09	3865877.25	2.17294	0.8176	1.81991	1.47702	5.70421	1.58489	0.8217	0.8176	22.2963365	0.367957333	4.617E-05	0.076512	2.630498	0.21926	1.418673	1.35471337	25.65457
5288	485363.09	3865877.25	2.42686	0.76135	1.96128	1.83317	5.56492	2.42258	0.76451	0.76135	24.9017862	0.342642265	4.975E-05	0.094961	2.566265	0.33515	1.319934	1.26151055	28.29928
5289	485863.09	3865877.25	2.82456	0.73563	2.02038	2.217	4.57691	2.78934	0.73439	0.73563	28.9825491	0.33106709	5.125E-05	0.114844	2.110644	0.38589	1.267932	1.21889407	31.97408
5290	486363.09	3865877.25	2.88353	0.73858	3.28163	2.14409	14.13055	2.81921	0.7614	0.73858	29.5876348	0.332394725	8.325E-05	0.111067	6.516308	0.39002	1.314565	1.22378204	37.02829
5291	486863.09	3865877.25	3.09666	0.73858	2.18909	2.19618	17.44387	3.32079	0.79672	0.73858	31.7745421	0.332394725	5.553E-05	0.113765	8.044247	0.45942	1.375545	1.22378204	40.87618
5292	487363.09	3865877.25	3.24554	0.73603	1.71974	2.65573	7.44232	2.88772	0.81935	0.73603	33.302186	0.331247109	4.363E-05	0.137571	3.432029	0.3995	1.414616	1.21955685	37.79764
5293	487863.09	3865877.25	2.38817	0.79305	2.0455	2.6952	4.07912	2.05572	0.80648	0.79305	24.5047916	0.356908712	5.189E-05	0.139615	1.881088	0.2844	1.392396	1.31403551	27.24521
5294	488363.09	3865877.25	1.82607	0.87382	1.4346	6.24901	3.75668	1.44889	0.87697	0.87382	18.7371355	0.3932589	3.639E-05	0.323707	1.732394	0.20045	1.514098	1.44786648	21.45321
5295	488863.09	3865877.25	2.21208	0.88586	3.64344	9.31814	2.53432	1.83047	0.88806	0.88586	22.6979484	0.39867745	9.243E-05	0.482693	1.168703	0.25324	1.533245	1.46781603	25.06678
5296	489363.09	3865877.25	2.52579	0.8057	2.4595	3.68197	4.30686	2.02392	0.76915	0.8057	25.9168977	0.36260179	6.239E-05	0.190731	1.98611	0.28	1.327945	1.33499579	28.72935
5297	489863.09	3865877.25	3.65239	0.83495	2.4084	3.57287	7.86164	1.75699	0.78825	0.83495	37.4768362	0.375765626	6.11E-05	0.18508	3.625398	0.24307	1.360922	1.38346126	41.88367
5298	490363.09	3865877.25	5.06692	0.93	1.7829	3.55086	7.60155	1.95936	0.8569	0.93	51.9911978	0.418542466	4.523E-05	0.18394	3.505458	0.27107	1.479447	1.54095332	56.30874
5299	490863.09	3865877.25	6.90534	1.36515	1.07105	2.52567	3.04619	3.54164	0.86698	1.36515	70.8550555	0.614379836	2.717E-05	0.130833	1.404752	0.48997	1.49685	2.26197035	72.7299
5300	491363.09	3865877.25	8.50791	1.59878	2.89173	1.50051	2.74443	3.99804	0.80036	1.59878	87.2988782	0.719524004	7.336E-05	0.077729	1.265595	0.55311	1.38183	2.64908102	88.64766
5301	491863.09	3865877.25	8.64561	1.21675	1.78036	1.77083	4.92688	3.17458	0.78708	1.21675	88.7118051	0.547593059	4.516E-05	0.091731	2.272032	0.43919	1.358902	2.01608059	91.40522
5302	492363.09	3865877.25	7.23791	2.0359	1.59153	2.12802	9.53365	3.17059	1.47211	2.0359	74.2675256	0.916247963	4.037E-05	0.110234	4.396446	0.43864	2.541613	3.37336221	79.29738
5303	492863.09	3865877.25	6.43492	1.57985	1.03212	2.13442	15.31548	1.44079	1.40665	1.57985	66.0281194	0.711004639	2.618E-05	0.110566	7.062739	0.19933	2.428595	2.61771516	73.92266
5304	493363.09	3865877.25	5.8501	1.14752	1.35039	1.75052	15.90337	1.2907	1.3847	1.14752	60.0273354	0.516436398	3.426E-05	0.090679	7.333845	0.17856	2.390699	1.9013707	68.63622
5305	493863.09	3865877.25	4.28849	1.10211	1.64723	2.01902	6.98379	1.63402	1.66322	1.10211	44.0037995	0.495999825	4.179E-05	0.104588	3.220577	0.22606	2.871566	1.8261291	49.0965
5306	494363.09	3865877.25	2.6894	1.06939	1.76329	2.81606	9.62229	1.69445	1.80132	1.06939	27.5956848	0.481274331	4.473E-05	0.145876	4.437322	0.23442	3.109997	1.77191405	34.2327

5307	494863.09	3865877.25	2.52813	1.29383	2.18963	3.30462	8.63652	1.76553	1.43707	1.29383	25.9409083	0.582282579	5.55E-05	0.171184	3.982734	0.24425	2.481116	2.14379745	31.25874
5308	495363.09	3865877.25	2.54065	1.27431	2.68255	2.56204	6.2137	1.91211	1.31141	1.27431	26.0693748	0.573497688	6.805E-05	0.132717	2.86545	0.26453	2.264163	2.111454	30.05835
5309	495863.09	3865877.25	2.63379	1.42196	2.8999	2.02001	3.68323	1.74635	1.17977	1.42196	27.0250758	0.63994693	7.356E-05	0.104639	1.698523	0.2416	2.036885	2.35610105	29.39064
5310	496363.09	3865877.25	2.42195	1.57046	3.13077	2.07399	2.94783	1.33222	1.62036	1.57046	24.8514051	0.706778711	7.942E-05	0.107436	1.359393	0.18431	2.797568	2.6021565	27.40481
5311	496863.09	3865877.25	1.98303	1.42644	2.79685	2.55017	4.69828	1.31046	1.95781	1.42644	20.3476875	0.641963134	7.095E-05	0.132102	2.166614	0.1813	3.380179	2.36352414	24.48639
5312	497363.09	3865877.25	2.29903	1.2984	2.82901	2.92326	3.79499	1.45335	1.89436	1.2984	23.5901343	0.584339288	7.177E-05	0.151429	1.750061	0.20106	3.270632	2.15136966	27.39636
5313	497863.09	3865877.25	2.62988	1.45865	2.6436	2.23785	3.8548	1.85894	1.82493	1.45865	26.9849556	0.656459105	6.706E-05	0.115924	1.777642	0.25718	3.15076	2.41689415	30.52609
5314	498363.09	3865877.25	2.87538	1.42106	1.75198	2.25236	3.30755	2.03358	1.80218	1.42106	29.5040084	0.639541889	4.444E-05	0.116675	1.525278	0.28134	3.111482	2.35460981	32.82376
5315	471363.09	3866377.25	1.12279	0.57531	1.48702	1.04435	3.13158	1.11716	0.57942	0.57531	11.5208444	0.25891577	3.772E-05	0.054099	1.444129	0.15455	1.000375	0.95325361	13.4797
5316	471863.09	3866377.25	1.18967	0.577	1.62396	0.99684	3.41887	1.06338	0.57869	0.577	12.2070939	0.259676347	4.12E-05	0.051638	1.576613	0.14711	0.999114	0.95605383	14.28524
5317	472363.09	3866377.25	1.2058	0.5858	1.63949	0.95216	3.28155	1.0123	0.5872	0.5858	12.3726024	0.263636749	4.159E-05	0.049323	1.513288	0.14005	1.013807	0.9706349	14.38211
5318	472863.09	3866377.25	1.27231	0.58759	1.59233	0.87929	3.0941	0.95589	0.5906	0.58759	13.0550553	0.264442331	4.039E-05	0.045548	1.426845	0.13224	1.019677	0.97360082	14.97025
5319	473363.09	3866377.25	1.35125	0.58374	1.6457	0.82303	3.28469	0.90224	0.58645	0.58374	13.8650514	0.262709655	4.175E-05	0.042634	1.514736	0.12482	1.012512	0.9672216	15.85528
5320	473863.09	3866377.25	1.38242	0.57281	1.64492	0.86458	4.48895	0.83862	0.57512	0.57281	14.1848839	0.257790656	4.173E-05	0.044786	2.070081	0.11602	0.992951	0.94911126	16.71744
5321	474363.09	3866377.25	1.36617	0.57048	1.49535	1.04516	5.83222	0.87433	0.57231	0.57048	14.0181441	0.256742049	3.793E-05	0.054141	2.68953	0.12096	0.988099	0.94525059	17.1824
5322	474863.09	3866377.25	1.31116	0.59564	1.18846	1.17201	6.12403	1.03488	0.59747	0.59564	13.4536916	0.268065198	3.015E-05	0.060712	2.824099	0.14317	1.031538	0.98693918	16.79437
5323	475363.09	3866377.25	1.22381	0.62386	1.18754	1.18336	5.04134	1.14806	0.62595	0.62386	12.5574013	0.280765487	3.013E-05	0.0613	2.324816	0.15883	1.080709	1.033698	15.43015
5324	475863.09	3866377.25	1.14152	0.65063	1.10005	1.1427	3.67482	1.19711	0.65307	0.65063	11.7130312	0.292813209	2.791E-05	0.059193	1.694645	0.16561	1.127532	1.07805425	13.9748
5325	476363.09	3866377.25	1.13955	0.6618	1.21964	1.28496	6.37866	1.14658	0.665	0.6618	11.6928172	0.297840219	3.094E-05	0.066563	2.941521	0.15862	1.148129	1.09656226	15.20896
5326	476863.09	3866377.25	1.20802	0.70094	1.2934	1.24126	7.85788	1.0588	0.70781	0.70094	12.3953816	0.315455006	3.281E-05	0.064299	3.623664	0.14648	1.222041	1.16141486	16.60594
5327	477363.09	3866377.25	1.194	0.68914	1.5913	1.09296	6.76398	1.205	0.6942	0.68914	12.2515236	0.310144468	4.037E-05	0.056617	3.119212	0.16671	1.198543	1.14186298	15.96092
5328	477863.09	3866377.25	1.21531	0.71057	1.45752	1.38354	6.00342	1.30573	0.71476	0.71057	12.4701836	0.319788946	3.697E-05	0.071669	2.768479	0.18064	1.23404	1.17737118	15.86747
5329	478363.09	3866377.25	1.28644	0.72341	1.88004	1.77366	6.44438	1.1739	0.72871	0.72341	13.2000419	0.325567532	4.769E-05	0.091878	2.971828	0.1624	1.258125	1.19864628	16.81125
5330	478863.09	3866377.25	1.38322	0.73025	2.01251	1.80362	5.7958	0.99946	0.73593	0.73025	14.1930926	0.328645845	5.105E-05	0.09343	2.672735	0.13827	1.270591	1.20997974	17.48684
5331	479363.09	3866377.25	1.46218	0.73591	1.67908	1.41729	4.48504	0.92196	0.74179	0.73591	15.0032938	0.331193103	4.259E-05	0.073418	2.068278	0.12755	1.280708	1.21935802	17.66512
5332	479863.09	3866377.25	1.50455	0.74218	1.38105	1.41983	3.08183	0.92225	0.7481	0.74218	15.4380485	0.334014889	3.503E-05	0.073549	1.421187	0.12759	1.291602	1.22974702	17.45628
5333	480363.09	3866377.25	1.50254	0.79288	1.10364	2.10714	3.50301	0.92149	0.76044	0.79288	15.4174241	0.356832205	2.8E-05	0.109153	1.615414	0.12748	1.312907	1.31375383	17.62549
5334	480863.09	3866377.25	1.46448	0.97728	1.32315	2.37463	4.63881	0.88221	0.83075	0.97728	15.0268939	0.439820625	3.357E-05	0.123009	2.139189	0.12205	1.434298	1.6192934	17.666
5335	481363.09	3866377.25	1.64975	1.10199	1.68776	2.01994	4.77794	1.07525	0.83993	1.10199	16.9279323	0.495945819	4.281E-05	0.104636	2.203349	0.14876	1.450148	1.82593026	19.50488
5336	481863.09	3866377.25	2.45188	0.94004	2.37328	1.45963	5.32336	1.27448	0.80365	0.94004	25.1585141	0.423060924	6.02E-05	0.075611	2.454869	0.17632	1.38751	1.55758899	28.11835
5337	482363.09	3866377.25	2.87943	0.80383	2.23274	1.55973	4.54073	1.25108	0.80884	0.80383	29.5455651	0.361760205	5.664E-05	0.080796	2.093959	0.17308	1.39647	1.33189732	32.31979
5338	482863.09	3866377.25	2.97021	0.79103	2.4045	1.67618	4.52615	1.19559	0.7954	0.79103	30.4770503	0.35599962	6.1E-05	0.086828	2.087236	0.1654	1.373266	1.3106885	33.23516
5339	483363.09	3866377.25	2.74116	0.75182	2.6156	1.54877	5.21011	1.20013	0.7554	0.75182	28.1267894	0.33835333	6.635E-05	0.080228	2.402644	0.16603	1.304206	1.24571992	31.1726
5340	483863.09	3866377.25	2.4191	0.73078	1.64779	1.29917	4.69003	1.24237	0.68025	0.73078	24.8221615	0.328884369	4.18E-05	0.067299	2.162809	0.17188	1.174459	1.21085792	27.51667
5341	484363.09	3866377.25	2.18822	0.7378	1.48491	1.38933	4.08887	1.29801	0.69713	0.7378	22.4531232	0.332043689	3.767E-05	0.071969	1.885584	0.17957	1.203602	1.22248963	24.90344
5342	484863.09	3866377.25	2.19434	0.75012	1.49213	1.61867	5.48008	1.66099	0.70673	0.75012	22.5159199	0.337588252	3.785E-05	0.083849	2.527141	0.22979	1.220177	1.24290312	25.6716
5343	485363.09	3866377.25	2.47199	0.7343	1.93293	1.96742	4.94461	2.45694	0.70934	0.7343	25.3648609	0.33046853	4.903E-05	0.101915	2.280209	0.33991	1.224683	1.21669035	28.4254
5344	485863.09	3866377.25	2.82535	0.71929	2.18862	2.07988	5.65025	2.70778	0.72452	0.71929	28.9906552	0.323713344	5.552E-05	0.107741	2.605615	0.37461	1.250891	1.19181969	32.46146
5345	486363.09	3866377.25	2.8803	0.72497	3.05806	1.97429	14.9221	2.83797	0.75348	0.72497	29.5544921	0.326269604	7.758E-05	0.102271	6.881332	0.39262	1.300891	1.2012311	37.35672
5346	486863.09	3866377.25	3.14495	0.74871	1.70737	2.21933	16.32265	3.24323	0.79269	0.74871	32.2700413	0.336953688	4.331E-05	0.114964	7.527196	0.44869	1.368587	1.24056684	40.8259
5347	487363.09	3866377.25	3.25986	0.78459	2.08531	2.70608	6.66722	3.07216	0.87012	0.78459	33.4491222	0.353101326	5.29E-05	0.140179	3.074591	0.42502	1.502271	1.30001781	37.64432
5348	487863.09	3866377.25	2.3606	0.83662	1.60533	2.88134	3.95373	1.98488	0.90668	0.83662	24.2218984	0.376517202	4.072E-05	0.149257	1.823264	0.2746	1.565392	1.38622835	27.02474
5349	488363.09	3866377.25	1.775	0.82425	1.94062	7.55169	3.62227	1.28719	0.84935	0.82425	18.2131109	0.370950137	4.923E-05	0.391188	1.670411	0.17808	1.466411	1.36573201	20.92447
5350	488863.09	3866377.25	2.20478	0.81923	4.00803	7.78324	2.66308	1.86599	0.82732	0.81923	22.6230438	0.368690908	0.0001017	0.403183	1.22808	0.25815	1.428376	1.35741418	24.95221
5351	489363.09	3866377.25	2.59408	0.79083	2.44903	4.05277	3.47272	2.33866	0.79697	0.79083	26.6176151	0.355909611	6.213E-05	0.209939	1.601446	0.32354	1.375977	1.31035711	29.17413
5352	489863.09	3866377.25	3.11288	1.15462	2.70224	2.87203	6.88442	1.87078	0.77604	1.15462	31.940974	0.519631722	6.855E-05	0.148775	3.174753	0.25881	1.339841	1.91313497	35.46972
5353	490363.09	3866377.25	4.13202	0.84956	2.16129	3.53537	7.88765	1.31764	0.85259	0.84956	42.3982753	0.382340793	5.483E-05	0.183137	3.637393	0.18229	1.472005	1.40766914	46.84783
5354	490863.09	3866377.25	5.43348	0.89512	1.46292	2.23103	4.06781	2.27956	0.88891	0.89512	55.7524361	0.402844873	3.711E-05	0.11557	1.875872	0.31537	1.534712	1.48315928	58.51368
5355	491363.09	3866377.25	7.04123	0.87193	2.56683	2.08121	2.23288	3.6948	0.8728	0.87193	72.2494102	0.392408314	6.511E-05	0.10781	1.029693	0.51116	1.506898	1.44473487	74.35271
5356	491863.09	3866377.25	8.38743	1.28262	1.77307	1.45511	3.61024	3.33252	0.86644	1.28262	86.062644	0.577237567	4.498E-05	0.075377	1.664863	0.46104	1.495917	2.12522317	88.2119
5357	492363.09	3866377.25	7.87269	1.33041	1.75047	1.88539	6.03685	2.9093	1.11595	1.33041	80.7809445	0.598745249	4.441E-05	0.097666	2.783896	0.40249	1.926699	2.20440828	84.38607
5358	492863.09	3866377.25	6.10685	1.94699	1.25084	2.21307	10.08462	2.34925	1.56628	1.94699	62.6618234	0.876234404	3.173E-05	0.11464	4.650526	0.32501	2.704198	3.22604376	68.10642
5359	493363.09	3866377.25	5.56537	1.84187	1.60546	2.52743	19.87564	2.08147	1.45062	1.84187	57.1057472	0.828925604	4.073E-05	0.130924	9.165659	0.28796	2.50451	3.05186633	66.9719
5360	493863.09	3866377.25	5.04872	1.26712	1.67883	2.76188	15.00469	1.99676	1.40193	1.26712	51.8044493	0.570261859	4.259E-05	0.143069	6.919418	0.27624	2.420446	2.09954061	60.03439
5361	494363.09	3866377.25	3.72623	1.09941	1.88806	2.73178	6.33551	1.63939	1.49189	1.09941	38.2345016	0.494784701	4.79E-05	0.14151	2.921623	0.2268	2.575763	1.82165536	42.77338
5362	494863.09	3866377.25	2.33201	1.03876	1.83097	2.72111	9.68265	1.61815	1.74311	1.03876	23.9285391	0.467489432	4.645E-05	0.140957	4.465158	0.22386	3.009497	1.72116201	30.51439
5363	495363.09	3866377.25	2.39711	1.00263	2.05004	2.92933	10.41669	1.67123	1.12394	1.00263	24.5965242	0.451229282	5.201E-05	0.151743	4.80366	0.23121	1.940494	1.6612968	30.51361
5364	495863.09	3866377.25	2.41064	1.27734	2.53781	2.03669	5.61641	1.62387	1.15299	1.27734	24.7353542	0.574861326	6.438E-05	0.105503	2.590009	0.22465	1.990649	2.11647453	28.10462
5365	496363.09	3866377.25	2.54144	1.32689	2.59194	1.80355	4.68168	1.58642	1.17939	1.32689	26.0774809	0.597161089	6.575E-05	0.093426	2.158958	0.21947	2.036229	2.19857586	28.98422

5366	496863.09	3866377.25	2.37978	1.49835	2.74585	2.07184	2.7615	1.14412	1.75652	1.49835
5367	497363.09	3866377.25	1.98138	1.37013	2.45136	2.5614	4.6809	1.26046	1.89465	1.37013
5368	497863.09	3866377.25	2.0289	1.238	2.54519	2.9509	4.48727	1.49142	1.9852	1.238
5369	498363.09	3866377.25	2.45931	1.22119	2.37111	2.49288	5.40061	1.21668	1.65467	1.22119
5370	474494.92	3848334.16	2.81592	25.88271	0.7135	3.02466	6.09634	1.82585	26.0324	25.88271
5371	475167.27	3848920.79	4.19261	24.02565	0.63307	3.50322	7.50324	2.22268	24.1617	24.02565
5372	475297.89	3848997.96	4.0026	18.94848	0.72242	3.52897	7.54343	2.23889	19.0691	18.94848
5373	475439.05	3849062	3.851	16.78137	0.82798	3.63913	7.4852	2.23789	16.9967	16.78137
5374	475486.86	3849061.09	3.82532	12.99272	0.95284	3.6237	7.26852	2.19042	13.0995	12.99272
5375	475538.46	3849075.56	3.63973	13.7643	1.07677	3.59199	7.14523	2.16341	13.9426	13.7643
5376	475751.79	3849137.15	2.88744	21.95753	1.76692	3.2731	6.57453	2.00442	22.2268	21.95753
5377	476303.62	3849223.38	3.05561	21.37128	4.06475	2.00693	3.95247	1.58745	21.4753	21.37128
5378	476304.51	3849238.92	2.95047	28.79311	4.0206	2.08423	4.11219	1.61965	28.9037	28.79311
5379	476365.04	3849247.98	3.08634	26.99247	4.19932	1.94099	3.82727	1.54982	27.1685	26.99247
5380	476444.86	3849267.13	3.28313	27.81379	4.32665	1.78435	3.49405	1.44908	28.1246	27.81379
5381	476550.75	3849300.66	3.45847	31.30441	4.50052	1.64396	3.22223	1.45347	31.9885	31.30441
5382	476656.71	3849346.88	3.50419	31.20644	4.58304	1.56129	3.05579	1.4567	31.7862	31.20644
5383	476873.55	3849454.53	3.53029	29.14478	4.66036	1.46791	2.87388	1.46169	29.3996	29.14478
5384	477700	3849859.7	3.60027	27.43691	3.71855	1.55025	2.51549	1.45594	27.188	27.43691
5385	477743.16	3849856.38	3.76902	20.75872	3.41422	1.6084	2.58877	1.44981	20.6923	20.75872
5386	478477.35	3850216.33	3.68192	21.77521	2.71418	2.38604	3.10638	1.7121	21.3905	21.77521
5387	478485.8	3850201.6	3.8429	18.09329	2.62364	2.5374	3.14346	1.76858	17.8842	18.09329
5388	479113.21	3850501.53	5.05859	16.89404	1.83546	4.05923	3.57953	3.27633	16.6234	16.89404
5389	479108.11	3850382.28	6.27582	10.19244	1.52961	4.30076	4.12333	3.67891	10.1278	10.19244
5390	479689.85	3850674.28	7.29951	9.68096	1.16723	4.25792	5.96408	3.82468	9.59632	9.68096
5391	479952.42	3850774.28	6.72588	8.81348	1.06024	3.64607	6.52006	3.45869	8.74881	8.81348
5392	479911.32	3850884.85	6.72425	16.80669	1.2098	4.51573	5.3514	3.92407	16.3394	16.80669
5393	480500.92	3851178.12	7.9072	16.57362	1.18292	3.44467	6.29248	3.52191	16.3757	16.57362
5394	480738.01	3851289.27	8.31165	15.92262	2.14991	3.02398	6.45383	3.49218	15.8844	15.92262
5395	481055.42	3851443.58	9.32775	22.11285	5.93497	2.83352	6.4139	3.57462	22.7928	22.11285
5396	481110.22	3851443.15	8.66445	18.85593	6.83371	2.69161	6.22625	3.71522	19.5426	18.85593
5397	481111.1	3851417.45	8.11739	16.12044	7.02063	2.62193	6.06685	3.72698	16.8168	16.12044
5398	482248.44	3852605.09	9.67122	21.53235	6.24747	3.87335	8.67593	4.2063	21.4847	21.53235
5399	482273.34	3852632.31	9.81605	21.8849	6.14923	3.90481	8.7359	4.22496	22.0848	21.8849
5400	482665.46	3853038.72	7.72309	18.63922	11.71754	5.01599	9.54642	4.98124	17.2341	18.63922
5401	483077.95	3853844.31	11.23521	11.21456	14.00537	23.39359	12.16668	17.08386	14.171	11.21456
5402	483121.38	3853909.38	11.54957	11.48222	14.09079	41.15044	13.37541	23.98556	15.7149	11.48222
5403	483492.64	3853911.49	7.97051	4.93856	8.86734	11.25735	10.4348	7.12336	5.07197	4.93856
5404	483498.29	3854204.73	10.93144	8.14986	12.06189	53.70769	16.11992	21.28986	9.37828	8.14986
5405	484132.44	3854662.55	12.41762	2.32479	10.58539	59.71181	18.86906	18.26908	16.2484	2.32479
5406	484627.62	3854876.13	13.91034	2.68053	10.68422	61.44141	13.79541	14.40166	17.8987	2.68053
5407	484756.14	3854949.04	13.43976	2.77781	9.02971	60.6403	16.15153	14.35759	15.3466	2.77781
5408	486697.51	3856599.17	10.69626	1.80866	10.87325	57.36382	94.97042	13.20128	8.94658	1.80866
5409	487105.31	3856962.27	10.82175	1.93159	14.62267	49.27553	174.0126	13.17572	7.28329	1.93159
5410	487157.57	3856901.7	9.96769	1.87363	11.60125	20.55333	152.5422	9.24247	6.47104	1.87363
5411	487173.5	3856853.74	9.52283	1.82716	9.72424	16.98956	154.354	8.13309	6.12476	1.82716
5412	487564.41	3856860.83	7.95248	1.73293	7.50038	9.82238	154.9354	5.22559	4.78176	1.73293
5413	487563.31	3856931.58	8.23723	1.82188	8.4814	10.52899	147.2092	5.60316	4.88933	1.82188
5414	487782.7	3856926.85	7.55263	1.76351	7.03195	8.39682	124.4116	5.61661	4.32767	1.76351
5415	487782.39	3856757.07	7.06194	1.98219	8.43356	6.76028	145.5347	4.88742	3.98033	1.98219
5416	487917.26	3856752.41	6.75439	2.06729	7.73659	6.21977	158.9974	4.34133	3.59054	2.06729
5417	487919.57	3856953.35	7.28049	1.83056	8.11445	7.5464	122.12	5.27121	4.04422	1.83056
5418	487932.76	3857000.32	7.40372	1.77756	9.61308	7.82354	128.7495	5.33007	4.10299	1.77756
5419	487960.5	3857044.75	7.47573	1.78818	9.19418	7.97196	141.4602	5.28014	4.11788	1.78818
5420	488016.54	3857089.54	7.47119	1.81233	7.86012	8.01582	147.7084	4.87798	4.06916	1.81233
5421	488114.39	3857165.47	7.42476	1.86017	16.70775	8.22274	151.2983	5.28504	3.98644	1.86017
5422	488171.49	3857234.24	7.42522	1.92363	16.28924	8.5522	147.474	8.29732	3.96723	1.92363
5423	488193.16	3857297.8	7.46908	1.99664	15.53879	9.12353	140.9934	9.91875	3.97815	1.99664
5424	488189.27	3857649.94	8.19605	2.40864	20.20244	13.92616	236.6971	12.41965	4.54187	2.40864

24.4187026	0.674325918	6.966E-05	0.107324	1.273467	0.15828	3.03265	2.48267463	27.18215
20.3307571	0.616621063	6.219E-05	0.132684	2.158599	0.17438	3.271132	2.2702219	24.41401
20.8183554	0.55715653	6.457E-05	0.152861	2.069306	0.20633	3.427468	2.05129055	25.18025
25.2347526	0.549591262	6.015E-05	0.129135	2.490493	0.16832	2.856805	2.0234374	29.40572
28.8938949	11.64840136	1.81E-05	0.156682	2.811329	0.2526	44.9452	42.8860729	45.82205
43.0199837	10.81263956	1.606E-05	0.181472	3.460122	0.3075	41.71533	39.8090377	59.68803
41.0703087	8.527681227	1.833E-05	0.182806	3.478655	0.30974	32.92298	31.3964765	55.09571
39.5147551	7.552382773	2.1E-05	0.188512	3.451803	0.3096	29.34496	27.8057073	52.55632
39.251255	5.847317275	2.417E-05	0.187713	3.351881	0.30303	22.6164	21.5281451	50.02948
37.3469331	6.194563507	2.732E-05	0.18607	3.295025	0.2993	24.07206	22.8066062	48.58737
29.627755	9.881891127	4.482E-05	0.169551	3.031847	0.2773	38.37483	36.3822889	44.98093
31.3533318	9.618051858	0.0001031	0.103962	1.822683	0.21962	37.07729	35.4109084	44.78413
30.2745	12.95821425	0.000102	0.107966	1.896338	0.22407	49.90253	47.7084284	47.65529
31.6686495	12.14784403	0.0001065	0.100546	1.764947	0.21441	46.90676	44.7248776	48.07839
33.6878935	12.51747554	0.0001098	0.092432	1.611282	0.20047	48.55748	46.0857548	50.58139
35.487041	14.08841393	0.0001142	0.085159	1.485933	0.20108	55.2285	51.8694994	54.70675
35.9561697	14.04432295	0.0001163	0.080877	1.409179	0.20153	54.87916	51.7071691	54.86418
36.2239794	13.11648181	0.0001182	0.07604	1.325291	0.20222	50.75869	48.2911241	53.41169
36.9420377	12.34786233	9.433E-05	0.080305	1.160019	0.20142	46.94029	45.4612876	52.21074
38.6735659	9.342371887	8.661E-05	0.083317	1.193812	0.20057	35.72538	34.3959338	50.82317
37.7798408	9.799838802	6.885E-05	0.1236	1.432508	0.23686	36.93097	36.0801958	50.22349
39.4316417	8.142806678	6.656E-05	0.131441	1.449608	0.24467	30.8773	29.9794788	50.29806
51.9057245	7.603089417	4.656E-05	0.210274	1.650702	0.45326	28.70052	27.9923946	62.53123
64.395609	4.587063408	3.88E-05	0.222785	1.901475	0.50896	17.48582	16.8882519	72.2135
74.8995975	4.356874053	2.961E-05	0.220566	2.750338	0.52913	16.56814	16.0407607	83.28391
69.013633	3.966468442	2.69E-05	0.188872	3.006728	0.47849	15.10491	14.6033992	77.15573
68.9969078	7.563777929	3.069E-05	0.233921	2.4678	0.54288	28.21012	27.847661	80.16777
81.1350484	7.458885786	3.001E-05	0.178439	2.901779	0.48724	28.27281	27.4614782	92.97276
85.2850725	7.16590606	5.454E-05	0.156646	2.976186	0.48313	27.42451	26.3828109	97.10869
95.7111806	9.951792219	0.0001506	0.14678	2.957772	0.49453	39.35191	36.6396447	111.9745
88.9051206	8.486029501	0.0001734	0.139429	2.871237	0.51398	33.74051	31.2431268	103.4134
83.2917885	7.254934093	0.0001781	0.13582	2.79773	0.51561	29.03439	26.7105866	96.31987
99.2354946	9.690540712	0.0001585	0.200645	4.000908	0.58192	37.0936	35.6777916	115.1255
100.721582	9.849204311	0.000156	0.202275	4.028563	0.5845	38.12967	36.2619454	117.254
79.2459127	8.388500106	0.0002972	0.259835	4.402335	0.68913	29.75476	30.8840515	91.85672
115.283451	5.04706408	0.0003553	1.211821	5.610669	2.36347	24.46631	18.5818424	135.4013
118.50907	5.167523302	0.0003575	2.13165	6.168075	3.31828	27.13195	19.0253387	143.4016
81.7846664	2.222577505	0.0002249	0.583146	4.812012	0.98548	8.756808	8.18289292	90.96202
112.166496	3.66780914	0.000306	2.782133	7.433707	2.94535	16.1917	13.5038213	131.6837
127.416051	1.046261655	0.0002685	3.093155	8.701474	2.52744	28.05294	3.85203534	166.9856
142.732713	1.206360899	0.000271	3.182751	6.361758	1.9924	30.90222	4.44147483	181.937
137.904135	1.250141341	0.0002291	3.141252	7.448284	1.9863	26.49613	4.60266187	173.6238
109.753335	0.813979587	0.0002758	2.971526	43.79564	1.82633	15.44636	2.99683938	171.6106
111.040977	0.8693037	0.0003709	2.552541	80.24598	1.8228	12.57467	3.2005269	205.9061
102.277546	0.843219054	0.0002943	1.064691	70.3449	1.27865	11.17232	3.10449071	183.8771
97.7128785	0.822305432	0.0002467	0.880083	71.18039	1.12517	10.57446	3.02749276	179.268
81.5996623	0.779897629	0.0001903	0.508813	71.44851	0.72293	8.255757	2.87135939	160.4444
84.5214557	0.819929191	0.0002152	0.545416	67.88559	0.77517	8.441478	3.01874412	159.9705
77.4968384	0.793660026	0.0001784	0.434967	57.37244	0.77703	7.471766	2.92202859	141.4249
72.4619136	0.892076011	0.0002139	0.350192	67.1134	0.67615	6.87208	3.28436802	145.0817
69.3061715	0.930374897	0.0001963	0.322193	73.32171	0.6006	6.199104	3.42537353	147.255
74.704435	0.823835587	0.0002058	0.390914	56.31568	0.72925	6.982387	3.03312635	136.9136
75.9688866	0.799983167	0.0002439	0.40527	59.3729	0.73739	7.083854	2.94530858	141.4232
76.7077746	0.804762652	0.0002332	0.412959	65.2344	0.73048	7.109562	2.96290527	148.0373
76.6611901	0.815631255	0.0001994	0.415231	68.11577	0.67484	7.025446	3.00292035	150.7054
76.1847761	0.837161439	0.0004238	0.425949	69.77128	0.73116	6.882629	3.08218831	151.7512
76.1894961	0.865721337	0.0004132	0.443016	68.00768	1.14789	6.849463	3.18733767	150.3163
76.6395396	0.898579171	0.0003942	0.472612	65.01914	1.37221	6.868316	3.30831079	147.9625
84.0989115	1.083997984	0.0005125	0.721395	109.1529	1.7182	7.841585	3.99096968	200.6266

5425	488127.43	3857732.32	9.35956	2.66849	23.75585	17.24853	261.4944	17.14306	4.96168	2.66849
5426	488149.93	3857752.94	9.40397	2.72538	26.50655	17.33184	257.0617	20.11359	4.94719	2.72538
5427	488144.76	3857758.71	9.55213	2.75283	26.64482	17.68085	258.7815	20.43349	4.98867	2.75283
5428	488335.58	3857932.55	9.82158	3.38929	21.32873	19.24719	171.7993	12.57404	4.86636	3.38929
5429	488372.29	3857943.79	9.54962	3.37629	21.69873	17.91386	156.0524	12.20923	4.73435	3.37629
5430	488828.64	3857936.4	7.06355	2.60093	15.64579	12.90006	90.3547	8.73609	3.61288	2.60093
5431	488829.08	3857959.58	7.18927	2.71306	16.53453	13.02864	88.45319	8.76867	3.65933	2.71306
5432	488351.61	3857964.55	10.11669	3.52514	21.81357	19.95977	167.0465	12.67525	4.96846	3.52514
5433	488316.87	3857947.65	10.30717	3.49615	22.56635	20.78001	180.2671	12.967	5.07067	3.49615
5434	488129.1	3857775.77	10.02047	2.84478	26.49477	19.20356	263.6565	21.46791	5.14361	2.84478
5435	488062.53	3857846.13	12.84523	3.31024	27.63356	53.87174	252.4417	25.67299	6.34399	3.31024
5436	488330.41	3858091.34	13.44716	4.07027	20.69352	53.91147	174.2927	22.69653	6.33763	4.07027
5437	488470.87	3858174.45	12.46977	4.34654	20.35112	30.0816	139.7606	16.7863	5.90499	4.34654
5438	488568.9	3858262.31	12.79807	4.8145	18.41008	30.99995	115.5804	16.15091	5.93598	4.8145
5439	488964.27	3858025.71	7.04966	2.84089	14.75778	14.59714	82.09367	8.17321	3.52018	2.84089
5440	489147.25	3857956.64	7.48861	2.4166	14.16472	18.60734	73.35192	7.3735	3.22396	2.4166
5441	489343.52	3857932.45	7.35768	2.44088	13.91834	8.49047	52.14083	6.55649	3.03892	2.44088
5442	489866.19	3857923.19	6.03683	1.78781	9.83075	11.84991	49.9763	5.2154	2.55873	1.78781
5443	489955.65	3857902.27	5.66921	1.69914	9.4943	14.66806	51.98808	4.94659	2.45524	1.69914
5444	490079.44	3857847.9	5.26779	1.61114	8.74053	13.33267	51.75995	4.94634	2.29553	1.61114
5445	490108.49	3857934.13	6.08466	1.67819	8.43323	11.55708	49.66257	4.77001	2.35354	1.67819
5446	489884.48	3858014.17	7.01157	1.93937	10.02434	17.17008	44.2451	5.18226	2.62715	1.93937
5447	489326.56	3858025.86	7.21063	2.44291	16.21426	9.24662	64.60724	6.61213	3.09292	2.44291
5448	489130.38	3858056.71	7.2837	2.76923	14.13143	18.79819	78.76073	7.26778	3.28923	2.76923
5449	488936.49	3858143.93	7.74796	3.43213	14.34022	15.20163	63.27406	9.30557	3.79402	3.43213
5450	488638.08	3858327.45	13.44441	4.91246	18.07097	31.73302	102.4341	16.64778	6.02105	4.91246
5451	488663.79	3858349.57	13.55265	4.93029	17.86777	31.62564	97.80738	16.67471	6.03774	4.93029
5452	488694.56	3858349.5	13.03286	4.87707	17.54802	27.65946	89.07203	15.85189	5.75856	4.87707
5453	488694.35	3858336.75	12.76538	4.81843	17.52374	26.23976	87.4362	15.51374	5.63133	4.81843
5454	488712.81	3858336.38	12.44349	4.76068	17.40017	24.71043	81.97279	15.12625	5.48506	4.76068
5455	488713.23	3858367.46	13.05818	4.88661	17.22808	27.89711	86.04954	15.93071	5.78323	4.88661
5456	488704.63	3858384.05	13.58958	4.91494	16.90989	31.39669	90.47373	16.59116	6.03889	4.91494
5457	488604.15	3858488.29	14.26133	6.5405	16.21333	29.51108	116.5949	14.34147	9.61397	6.5405
5458	488605.66	3858550.47	14.22304	7.30215	16.96507	28.64951	113.9189	10.63018	11.8978	7.30215
5459	488692.68	3858548.71	13.72653	6.7469	16.51436	33.70072	105.1017	15.79709	9.03721	6.7469
5460	488759.93	3858461.81	13.62423	5.4305	14.84831	39.09174	84.95645	19.31406	6.41098	5.4305
5461	488816.57	3858541.79	13.40415	5.96989	14.91686	55.90127	79.77574	23.61905	6.81061	5.96989
5462	488944.63	3858656.77	13.37213	6.57028	14.7031	53.5739	63.55801	23.32669	6.83565	6.57028
5463	489134.91	3858830.7	12.22835	7.79034	19.00291	55.88376	53.88114	23.01785	7.91235	7.79034
5464	489193.99	3858886.05	11.94375	8.19652	20.98816	63.85354	51.47563	23.2125	8.31002	8.19652
5465	489295.2	3858954.34	11.4925	8.57369	20.14583	61.03285	46.4925	20.44506	8.6777	8.57369
5466	489295.64	3858992.74	11.53274	9.01585	26.82267	56.01413	47.76348	32.15477	9.12648	9.01585
5467	489183.74	3858911.72	12.01457	8.54221	25.03684	67.77196	52.66141	36.37772	8.66271	8.54221
5468	488873.37	3858625.59	13.70417	6.62467	16.70559	66.13128	75.65672	30.37725	7.30423	6.62467
5469	488842.84	3858658.69	13.91157	7.23158	19.14436	39.62956	84.59259	18.77225	8.41084	7.23158
5470	488856.39	3858670.93	13.97399	7.31018	19.56488	39.97601	83.07665	18.95863	8.40965	7.31018
5471	488805.7	3858724.5	14.37307	8.5008	14.82981	26.06454	93.99977	10.18553	11.3712	8.5008
5472	488805.87	3858804.16	14.3779	11.41596	18.87024	22.27633	94.45144	10.30226	17.2372	11.41596
5473	488995.78	3858936.96	13.63289	13.78787	20.38616	23.34667	76.69315	9.99982	18.7198	13.78787
5474	489130.76	3859017.38	13.29989	14.4168	21.08922	27.28686	62.03463	9.88301	16.6268	14.4168
5475	489130.92	3859052.24	14.18687	20.41676	26.51828	26.64362	64.46937	8.83311	26.1746	20.41676
5476	489200.33	3859090.6	13.7795	20.49919	29.81553	55.91691	56.78602	9.51475	22.7775	20.49919
5477	489296.07	3859143.7	13.17904	20.63156	35.27832	24.42168	48.77783	10.74088	21.0333	20.63156
5478	489296.43	3858954.74	11.48692	8.57343	20.02681	60.45782	46.41283	20.35404	8.67741	8.57343
5479	489410.33	3859033.19	11.43095	9.06567	15.12748	58.02793	40.86689	22.12198	9.15888	9.06567
5480	489371.37	3859089.8	11.80541	10.38781	33.76492	36.20947	45.75754	16.57037	10.3027	10.38781
5481	489390.52	3859102.82	11.91766	10.50654	34.94784	35.60238	44.95217	16.18311	10.3899	10.50654
5482	489382.3	3859114.53	11.99068	11.35687	34.49466	32.72203	45.75387	15.2276	10.9686	11.35687
5483	489363.04	3859102.45	11.88783	11.26913	34.29706	32.88091	46.54394	15.5078	10.9091	11.26913

96.0375801	1.200942349	0.0006026	0.893498	120.5882	2.37166	8.566391	4.42152529	225.2374
96.493267	1.226545447	0.0006724	0.897814	118.5441	2.78262	8.541374	4.51578855	223.9706
98.0135231	1.2388992	0.0006759	0.915893	119.3372	2.82687	8.612989	4.56127153	226.3848
100.778325	1.525335262	0.0005411	0.997031	79.22529	1.73956	8.40182	5.61584696	187.052
97.9877682	1.519484668	0.0005504	0.927963	71.96361	1.68909	8.173903	5.59430675	176.6681
72.4784337	1.170537264	0.0003969	0.668241	41.6671	1.2086	6.237674	4.30958249	119.1214
73.768435	1.221000884	0.0004194	0.674902	40.79022	1.2131	6.31787	4.49537506	119.4906
103.806421	1.586473965	0.0005534	1.033944	77.03354	1.75356	8.578097	5.84094213	187.9516
105.760919	1.573427142	0.0005725	1.076434	83.13024	1.79392	8.754563	5.79290746	196.2972
102.819117	1.280280899	0.0006721	0.994771	121.5853	2.96998	8.880495	4.71362707	233.817
131.803718	1.489759153	0.000701	2.790631	116.4136	3.55173	10.95296	5.48486592	261.5182
137.980066	1.831807357	0.0005249	2.792689	80.37515	3.13995	10.94198	6.74418931	230.318
127.951157	1.956141472	0.0005163	1.558269	64.45063	2.3223	10.19503	7.20195186	201.2321
131.319813	2.16674484	0.000467	1.605841	53.29992	2.2344	10.24853	7.97733306	192.8984
72.3359097	1.278530221	0.0003744	0.756152	37.85753	1.13072	6.077626	4.70718158	114.7297
76.8399351	1.087580347	0.0003593	0.963886	33.82626	1.02009	5.5662	4.00415891	115.3002
75.4964745	1.098507456	0.0003531	0.439818	24.04476	0.90706	5.246726	4.04438939	103.1893
61.9433547	0.804596135	0.0002494	0.613842	23.04659	0.72153	4.417673	2.96229221	88.58554
58.1712398	0.764690586	0.0002408	0.759826	23.97432	0.68434	4.238997	2.81537142	85.77828
54.0523063	0.725086568	0.0002217	0.690651	23.86912	0.6843	3.963256	2.66956078	81.31538
62.4341339	0.75526213	0.0002139	0.598673	22.90191	0.65991	4.063411	2.78065855	88.63285
71.9450717	0.872805056	0.0002543	0.889434	20.40364	0.71694	4.535801	3.21341789	96.15053
73.987608	1.099421048	0.0004113	0.478988	29.79365	0.91476	5.339958	4.04775298	107.567
74.7373725	1.246279949	0.0003585	0.973772	36.32054	1.00546	5.678889	4.58844533	115.3742
79.5011015	1.544615218	0.0003638	0.787466	29.17886	1.28738	6.550414	5.68683023	113.1634
137.951848	2.210831313	0.0004584	1.643815	47.23753	2.30314	10.3954	8.13964681	193.6034
139.062489	2.218855627	0.0004533	1.638252	45.10391	2.30686	10.42422	8.16919003	192.5859
133.728972	2.194904197	0.0004452	1.432799	41.0756	2.19303	9.942212	8.08100774	182.487
130.984384	2.16851352	0.0004445	1.359256	40.32124	2.14625	9.722548	7.98384483	178.7188
127.681501	2.142523383	0.0004414	1.280035	37.80178	2.09264	9.470012	7.8881566	172.5808
133.988778	2.199197633	0.000437	1.445109	39.68178	2.20394	9.984805	8.09681494	181.4072
139.441424	2.211947426	0.000429	1.626392	41.72199	2.29531	10.4262	8.14375602	189.5799
146.334189	2.943523653	0.0004113	1.528715	53.76777	1.98407	16.59862	10.8372099	212.3201
145.941299	3.286300932	0.0004304	1.484085	52.53373	1.47063	20.54167	12.0992175	213.1589
140.846656	3.036413078	0.0004189	1.745744	48.46771	2.18545	15.60283	11.1792021	200.706
139.796965	2.443972968	0.0003767	2.025007	39.1777	2.67201	11.06862	8.99800752	188.1866
137.538744	2.686723098	0.0003784	2.895764	36.78861	3.26758	11.75859	9.89174387	185.0446
137.21019	2.956926013	0.000373	2.775203	29.3098	3.22713	11.80182	10.8865535	176.3949
125.473969	3.506008723	0.0004821	2.894857	24.84731	3.18441	13.66075	12.9081186	160.6597
122.553715	3.68880827	0.0005324	3.307703	23.73801	3.21134	14.34733	13.5811341	157.2663
117.92348	3.858551993	0.0005111	3.161587	21.44003	2.82847	14.98214	14.2060818	149.9887
118.336379	4.057544183	0.0006804	2.90161	22.02615	4.44846	15.75696	14.9387139	152.5891
123.280392	3.844384555	0.0006351	3.510682	24.28483	5.03268	14.95626	14.1539213	160.7559
140.617222	2.981403996	0.0004238	3.425693	34.88912	4.20254	12.61083	10.9766744	187.7506
142.745334	3.254541209	0.0004857	2.052867	39.0099	2.59705	14.5214	11.9822873	192.1993
143.38582	3.289914798	0.0004963	2.070813	38.31083	2.62283	14.51935	12.1125227	192.0875
147.480743	3.825748164	0.0003762	1.35018	43.34803	1.40912	19.63254	14.0853075	202.9614
147.530303	5.137703277	0.0004787	1.153945	43.55632	1.42527	29.76025	18.9155499	209.6487
139.885824	6.205171083	0.0005172	1.20939	35.36707	1.38343	32.31984	22.8456602	193.5256
136.468942	6.488218301	0.000535	1.413497	28.60729	1.36727	28.70625	23.8877589	179.1642
145.570162	9.188474272	0.0006727	1.380177	29.73007	1.22202	45.19076	33.8293269	198.453
141.390176	9.225571536	0.0007564	2.896574	26.18689	1.31632	39.32557	33.9659084	186.3759
135.228911	9.28514408	0.0008949	1.265077	22.49391	1.48595	36.31419	34.1852375	171.8888
117.866224	3.858434981	0.000508	3.131799	21.40329	2.81588	14.98164	14.205651	149.8521
117.291921	4.079965458	0.0003838	3.005928	18.84578	3.06047	15.8129	15.0212626	147.0761
121.134221	4.674988829	0.0008565	1.875701	21.10111	2.29243	17.78763	17.211968	151.655
122.286008	4.728422751	0.0008866	1.844253	20.72971	2.23885	17.9383	17.4086964	152.3577
123.035259	5.111110079	0.0008751	1.695047	21.09941	2.10666	18.93745	18.8176414	153.1682
121.979925	5.071623072	0.00087	1.703277	21.46375	2.14543	18.83462	18.6722616	152.5272

5484	489337.52	3859140.71	12.45697	15.57776	27.92905	23.97283	47.91765	12.46331	15.2043	15.57776
5485	489375.14	3859164.55	12.57333	15.97368	29.73506	24.80357	46.76457	12.45937	15.4705	15.97368
5486	489409.3	3859114.5	11.95325	10.57307	35.87618	35.16428	44.12886	15.91508	10.4442	10.57307
5487	489434.87	3859131.81	11.92249	10.74158	36.77288	34.3228	43.08663	15.56833	10.5506	10.74158
5488	489471.87	3859075.75	11.41989	9.35698	20.49327	60.7556	37.96375	23.30195	9.45087	9.35698
5489	489602.62	3859164.69	11.50218	10.04056	17.04104	62.928	31.9172	24.97377	10.1284	10.04056
5490	489558.29	3859232.45	12.73032	12.77966	36.20306	27.95189	38.54364	14.65126	11.8878	12.77966
5491	489620.11	3859273.56	12.92029	13.375	54.18761	26.53615	35.85848	14.92935	12.2868	13.375
5492	489666.06	3859206.42	11.48012	10.41402	39.47828	63.70471	29.04956	24.99923	10.5023	10.41402
5493	489787.9	3859285.65	11.51417	11.2338	61.02345	63.61633	24.0107	24.77658	11.3269	11.2338
5494	489752.17	3859343.13	13.04939	13.15314	110.45415	29.06826	29.57331	17.13348	12.3172	13.15314
5495	489814.94	3859385.33	13.12438	13.82487	130.0519	28.35019	27.14509	15.92349	12.8689	13.82487
5496	489853.42	3859330.74	11.57407	11.792	75.10372	65.84592	21.67913	25.47238	11.889	11.792
5497	489969.5	3859401.91	11.42104	12.8043	65.80283	63.8167	20.10165	23.91917	12.9262	12.8043
5498	490166.91	3859486.96	10.53631	13.96741	37.37352	40.24063	19.13713	21.35156	14.2333	13.96741
5499	490128.86	3859571.46	13.46695	17.9601	38.89466	25.50182	18.15878	15.34617	17.9234	17.9601
5500	490186.65	3859593.65	13.16753	18.46499	37.54271	25.12782	18.20912	16.14577	18.4882	18.46499
5501	490223.74	3859517.48	10.50794	14.45162	37.13637	42.46793	18.67026	22.85125	14.7562	14.45162
5502	490846.34	3859817.22	9.68413	11.91507	19.55872	50.02146	15.71535	20.25338	12.2157	11.91507
5503	490925.65	3859844.59	9.24675	11.77232	18.79686	40.90722	14.87242	18.75162	12.1169	11.77232
5504	491159.29	3859896.28	7.8761	9.6556	17.51151	48.79006	13.18016	17.3654	10.0939	9.6556
5505	491370.69	3859960.89	7.27141	9.04455	14.82126	48.35098	14.93964	20.26294	9.00292	9.04455
5506	491330.28	3860063.17	10.71526	14.6729	15.02672	27.43095	10.57789	16.46012	14.3549	14.6729
5507	491636.45	3860180.75	8.60546	11.01202	14.00341	23.606	12.63472	15.07154	10.6333	11.01202
5508	491617.94	3860203.93	9.89652	12.58386	13.90064	21.82179	11.60383	13.71429	11.5991	12.58386
5509	491805.68	3860271.59	8.43413	10.39737	13.17345	20.18129	12.74491	12.98543	9.46763	10.39737
5510	491654.23	3860414.02	11.73588	29.21154	17.04634	13.08327	10.55465	8.90604	30.5562	29.21154
5511	491592.62	3860510.76	8.26681	9.91141	17.48627	9.54013	11.6568	6.23435	9.70128	9.91141
5512	491475.41	3860368.93	9.48821	16.88725	17.7461	12.35619	11.84431	7.6596	15.8049	16.88725
5513	491445.61	3860337.28	9.94521	18.66587	17.66419	12.98805	11.91528	8.14089	17.3303	18.66587
5514	491399.05	3860300.37	10.35956	19.17462	17.74524	13.68224	12.15154	8.64378	17.9289	19.17462
5515	491228.84	3860235.98	9.39078	12.33006	18.61908	13.02547	13.16489	8.21179	10.6718	12.33006
5516	491228.47	3860174.57	10.56208	18.37292	17.61412	16.24401	13.05274	10.61101	18.117	18.37292
5517	491145.77	3860112.55	11.2911	18.44024	17.38694	18.14115	13.59828	12.18708	18.6764	18.44024
5518	490844.41	3859966.22	11.46393	22.34061	19.75339	20.09787	15.60847	12.75278	20.1136	22.34061
5519	490845.55	3859928.15	12.32077	30.85021	18.2029	25.49797	15.82779	17.5239	27.9235	30.85021
5520	490046.91	3859625.6	12.4588	26.71484	38.65871	17.92854	22.67098	12.64309	21.9769	26.71484
5521	489970.48	3859589.4	12.50347	25.14118	44.06974	16.93919	25.86348	12.2067	20.2431	25.14118
5522	489865.89	3859529.06	13.0001	26.77002	64.12189	17.18981	30.02019	11.4876	21.2028	26.77002
5523	489826.89	3859531.74	12.08823	20.07745	52.33831	16.74508	32.46169	11.14337	16.6441	20.07745
5524	489410.47	3859303.06	12.28327	19.90689	46.58079	16.11055	45.07053	8.6157	16.1742	19.90689
5525	489407.15	3859286.09	12.79485	23.70576	39.01959	16.8107	45.39693	8.97575	17.592	23.70576
5526	488806.07	3858963.62	14.18788	20.59132	17.35609	18.04137	87.9452	10.03847	14.4935	20.59132
5527	488817.64	3859546.3	14.53971	4.318	19.15206	11.84933	37.00802	12.5543	4.32093	4.318
5528	489187.25	3859549.52	10.63549	5.83821	29.17419	43.35529	65.58719	12.98366	6.67328	5.83821
5529	489187.66	3859523.74	10.74441	6.11685	30.92427	43.63798	66.41834	12.79124	6.98275	6.11685
5530	489232.59	3859522.85	10.6516	6.40267	32.84818	35.28764	65.90637	12.03597	7.37556	6.40267
5531	489224.98	3859759.91	12.01108	3.9988	22.82014	38.89019	57.35358	9.75274	4.98612	3.9988
5532	488401.39	3859763.34	18.30271	3.23152	14.12048	7.9873	28.46306	19.62397	2.53984	3.23152
5533	488405.51	3859966.16	19.14791	4.3243	12.12868	7.49826	25.32345	19.4934	4.3238	4.3243
5534	489202.85	3859956.57	10.32609	3.39291	18.94775	63.66903	44.88442	6.98599	3.7201	3.39291
5535	489191.9	3860676.74	18.05878	4.86675	13.01717	53.05352	10.98256	6.1171	4.89616	4.86675
5536	488392.82	3860687.88	22.16219	3.53862	8.96741	7.16347	14.68764	27.49291	3.53518	3.53862
5537	488392.82	3860760.27	22.03861	3.79829	8.87714	6.89525	13.95383	15.60073	3.80531	3.79829
5538	487549.05	3860777.45	8.49201	3.5635	6.42535	4.9165	23.57468	10.42927	3.58032	3.5635
5539	487554.62	3859571.83	20.53412	3.68739	9.11517	7.4302	28.19272	14.6189	2.77903	3.68739
5540	485949.46	3859558.54	6.98749	4.64686	9.4301	4.99117	18.36952	5.91841	4.66854	4.64686
5541	485947.55	3857943.61	16.04275	5.04301	10.23189	5.36961	37.26294	19.45822	3.2242	5.04301
5542	484738.38	3857940.21	9.85744	2.39896	7.05949	4.18328	31.66056	8.6123	2.0047	2.39896

127.819818	7.010703313	0.0007085	1.241826	22.09724	1.72424	26.25043	25.8113989	160.3336
129.013777	7.188885392	0.0007543	1.28486	21.5655	1.72369	26.71003	26.4674142	161.0201
122.651193	4.758364289	0.0009101	1.821559	20.35004	2.20177	18.032	17.5189326	152.2969
122.335568	4.834201483	0.0009328	1.777969	19.86941	2.1538	18.21565	17.7981434	151.3894
117.178436	4.211068259	0.0005199	3.147225	17.507	3.22371	16.31702	15.5039456	146.081
118.022806	4.518710473	0.0004323	3.259758	14.71863	3.455	17.48684	16.636596	144.8256
130.624637	5.751430546	0.0009184	1.447947	17.77441	2.02693	20.52442	21.1751177	156.9756
132.573902	6.019360731	0.0013746	1.37461	16.53615	2.0654	21.21323	22.1615598	157.6225
117.79645	4.686784526	0.0010015	3.299993	13.39622	3.45852	18.1324	17.2553964	143.516
118.145834	5.055722959	0.001548	3.295415	11.07254	3.42772	19.55596	18.6137219	141.941
133.898585	5.9195136	0.002802	1.505776	13.63774	2.37033	21.2657	21.7939513	156.8065
134.66805	6.221822773	0.0032991	1.468579	12.51797	2.20294	22.21836	22.906967	156.394
118.760463	5.306938447	0.0019052	3.410911	9.997339	3.52398	20.52655	19.5386253	141.9895
117.190236	5.762519671	0.0016693	3.305794	9.269883	3.3091	22.31713	21.2159447	139.9404
108.112103	6.285972281	0.0009481	2.084521	8.825094	2.95388	24.5739	23.1431471	129.6933
138.183129	8.082865096	0.0009867	1.32103	8.373928	2.12307	30.94491	29.7587911	159.2711
135.110808	8.31008865	0.0009524	1.301656	8.397142	2.23369	31.9201	30.595363	156.6791
107.821001	6.503888891	0.0009421	2.199898	8.609797	3.16136	25.47673	23.9454535	129.8282
99.3679629	5.362325567	0.0004962	2.591181	7.247139	2.80196	21.09053	19.7425448	118.719
94.8800471	5.298081549	0.0004768	2.119051	6.858422	2.59419	20.91986	19.5060167	113.1641
80.8159342	4.345460895	0.0004442	2.527393	6.078036	2.40242	17.42713	15.9987407	97.59808
74.611266	4.070460493	0.000376	2.504648	6.88942	2.80328	15.54363	14.9862681	91.43681
109.948293	6.603474995	0.0003812	1.420962	4.877998	2.27718	24.78391	24.312101	125.6001
88.2998297	4.955911832	0.0003552	1.222824	5.826506	2.08507	18.35857	18.246246	102.5028
101.547277	5.663311605	0.0003526	1.130399	5.35111	1.8973	20.02595	20.850689	114.765
86.5418284	4.679291266	0.0003342	1.045419	5.87732	1.79647	16.34596	17.2278084	99.05881
120.42078	13.14652686	0.0004324	0.677732	4.867281	1.23211	52.75566	48.4017414	144.6988
84.8249734	4.460587076	0.0004436	0.494192	5.375538	0.86249	16.74936	16.4226023	96.34498
97.3576459	7.600033607	0.0004502	0.640068	5.462008	1.05967	27.28727	27.981144	111.426
102.046881	8.400493823	0.0004481	0.672799	5.494736	1.12625	29.92089	30.9282089	116.7343
106.298488	8.629454553	0.0004502	0.708759	5.603687	1.19582	30.95439	31.7711767	121.6199
96.3579256	5.549090016	0.0004723	0.674738	6.070994	1.13606	18.42497	20.4301579	107.7841
108.376527	8.268652946	0.0004468	0.841462	6.019276	1.46798	31.2791	30.4428086	125.8106
115.856934	8.29895002	0.0004411	0.939737	6.270852	1.68602	32.24499	30.5543538	134.7436
117.630326	10.05429462	0.0005011	1.041098	7.197852	1.76428	34.72637	37.0170291	135.3977
126.422282	13.88400319	0.0004618	1.32083	7.298991	2.42435	48.21021	51.1169177	148.4442
127.838595	12.02289786	0.0009807	0.928723	10.45473	1.74911	37.94336	44.2648616	146.6735
128.29695	11.314679	0.001118	0.877474	11.92695	1.68874	34.9499	41.6574029	147.3984
133.392825	12.04773138	0.0016266	0.890456	13.84382	1.58925	36.60683	44.3562915	154.0163
124.036211	9.035769279	0.0013277	0.867419	14.96972	1.54163	28.73626	33.267111	145.9212
126.037498	8.95900949	0.0011817	0.834549	20.78429	1.19194	27.92487	32.9845034	152.7488
131.286773	10.66867445	0.0009898	0.870818	20.93481	1.24175	30.3728	39.2789995	156.0976
145.580525	9.267034243	0.0004403	0.934568	40.55596	1.38877	25.02323	34.1185622	188.632
149.19062	1.943297169	0.0004858	0.613812	17.06626	1.73683	7.460129	7.15466282	170.8568
109.12978	2.627461085	0.0007401	2.245865	30.24556	1.79623	11.52149	9.67355814	147.8936
110.247398	2.752861808	0.0007845	2.260508	30.62884	1.76961	12.05579	10.1352476	149.5805
109.295083	2.881493859	0.0008333	1.827949	30.39275	1.66512	12.73398	10.608834	148.1884
123.244582	1.799642594	0.0005789	2.014566	26.44862	1.34924	8.608587	6.62576788	156.8401
187.802416	1.454331558	0.0003582	0.413753	13.12575	2.71488	4.38506	5.35443168	204.5421
196.474935	1.946132457	0.0003077	0.38842	11.67792	2.69682	7.465085	7.16510154	213.4845
105.955055	1.526964427	0.0004807	3.298145	20.69847	0.96648	6.42279	5.62184508	133.2465
185.299473	2.190259726	0.0003302	2.748246	5.064611	0.84627	8.45327	8.06390813	196.5386
227.404183	1.592540581	0.0002275	0.371078	6.77321	3.80351	6.103524	5.86327767	240.185
226.13614	1.709403938	0.0002252	0.357184	6.434814	2.15828	6.569906	6.29353503	237.0724
87.1357297	1.603737717	0.000163	0.254682	10.87147	1.44284	6.181459	5.90450231	101.5856
210.698707	1.659493874	0.0002312	0.384895	13.00108	2.02245	4.798023	6.10978049	226.4551
71.6979891	2.091299185	0.0002392	0.25855	8.471111	0.81878	8.060282	7.6995638	83.69869
164.613175	2.269584774	0.0002596	0.278153	17.18382	2.69195	5.566614	8.3559602	184.2476
101.146281	1.079641542	0.0001791	0.2167	14.60028	1.19147	3.461135	3.97493051	117.7208

5543	484737.06	3857535.68	12.97858	3.17475	9.96026	4.40703	35.62335	7.34376	2.49358	3.17475	133.17201	1.428782466	0.0002527	0.22829	16.42772	1.01597	4.305191	5.26036725	151.3179
5544	483730.2	3857530.13	5.83321	2.36755	12.56814	3.66095	21.06557	6.8293	1.87348	2.36755	59.8540287	1.065505607	0.0003188	0.189642	9.714395	0.9448	3.234582	3.92288605	71.08039
5545	483727.27	3857130.01	10.37317	2.81326	13.40727	3.39131	20.11122	5.13337	2.19825	2.81326	106.438139	1.266095459	0.0003401	0.175675	9.274296	0.71018	3.795301	4.66140036	116.9986
5546	483124.42	3857123.45	7.94892	2.33164	11.10915	3.29895	17.98627	5.26927	1.88133	2.33164	81.5631334	1.049344468	0.0002818	0.17089	8.294375	0.72898	3.248135	3.86338537	91.19175
5547	483111.13	3855921.03	9.58481	3.32891	13.44002	2.70273	22.87399	6.32491	1.84585	3.32891	98.3488495	1.498161505	0.0003409	0.140005	10.54835	0.87502	3.186879	5.51580098	109.0818
5548	482701.73	3855918.24	8.27209	2.42317	17.1167	2.8443	24.5399	4.52139	1.41857	2.42317	84.8791509	1.090537147	0.0004342	0.147339	11.31658	0.62551	2.449175	4.015045	96.49369
5549	482668.02	3853521.78	11.50631	9.56218	6.90507	11.52031	9.80855	7.25032	8.87044	9.56218	118.065183	4.303417629	0.0001752	0.596768	4.523216	1.00305	15.3149	15.8439495	127.9628
5550	482579.91	3853219.19	10.63262	9.484	7.08118	7.94943	7.42147	6.35578	9.93047	9.484	109.100331	4.268233059	0.0001796	0.411792	3.422414	0.87929	17.14506	15.71441	119.5129
5551	482434.06	3852961.94	9.85692	14.19239	5.68079	6.37562	8.52402	5.28457	14.4036	14.19239	101.140945	6.387223554	0.0001441	0.330266	3.930855	0.73109	24.868	23.5159252	113.8726
5552	482332.11	3852832.85	9.44203	16.52301	6.26868	5.68534	8.59255	4.9962	16.7914	16.52301	96.8837972	7.436108975	0.000159	0.294509	3.962458	0.6912	28.99047	27.3776205	110.8811
5553	481334.99	3851818.96	7.80559	11.35002	7.53016	3.28318	7.22009	3.94422	11.4539	11.35002	80.0924376	5.108027266	0.000191	0.170073	3.329547	0.54566	19.77524	18.8062914	90.21489
5554	481127.62	3851646.36	7.26659	15.40747	5.3782	3.19309	6.95213	3.77053	15.4568	15.40747	74.5618084	6.934065037	0.0001364	0.165407	3.205977	0.52163	26.6863	25.5292387	86.54609
5555	481025.04	3851591.73	6.97635	15.67827	4.01291	3.38853	6.86338	3.72202	15.7671	15.67827	71.5836826	7.055937403	0.0001018	0.175531	3.16505	0.51492	27.22204	25.9779378	83.73933
5556	480513.6	3851335.76	6.14993	15.71262	1.21417	4.50072	6.06674	3.78559	16.1146	15.71262	63.1038633	7.071396471	3.08E-05	0.233144	2.797679	0.52372	27.82205	26.0348537	75.51703
5557	480523.56	3851317.66	6.28369	18.66457	1.21651	4.32526	6.15311	3.72681	19.126	18.66457	64.4763623	8.399908763	3.086E-05	0.224055	2.837509	0.51559	33.02118	30.9260549	78.54858
5558	476921.56	3849569.11	2.71686	12.94452	4.92275	1.87566	3.81202	1.46962	12.9812	12.94452	27.8774494	5.825625074	0.0001249	0.097162	1.757914	0.20331	22.41221	21.4482807	36.72552
5559	476521.19	3849373.96	2.61706	14.71868	4.42599	2.09287	4.23173	1.626	14.7768	14.71868	26.8534108	6.624078086	0.0001123	0.108414	1.951464	0.22495	25.51221	24.3879557	36.88668
5560	476391.45	3849333.38	2.56695	15.18486	4.1169	2.2741	4.63375	1.74354	15.2971	15.18486	26.3392367	6.833880373	0.0001044	0.117802	2.136855	0.24121	26.4106	25.1603875	36.9193
5561	476219.41	3849304.29	2.47625	15.14469	3.47145	2.60664	5.39711	1.87642	15.2903	15.14469	25.4085724	6.815802038	8.806E-05	0.135028	2.488879	0.25959	26.39886	25.0938283	36.41299
5562	475679.11	3849218.47	3.12149	18.2027	1.20424	3.39863	7.42415	2.18813	18.3154	18.2027	32.0293204	8.192046174	3.055E-05	0.176054	3.423649	0.30272	31.62165	30.1607645	45.58471
5563	475677.71	3849233.88	3.11232	16.02288	1.1486	3.39857	7.48114	2.2056	16.1285	16.02288	31.9352279	7.211027638	2.914E-05	0.176051	3.44993	0.30513	27.84598	26.5489356	44.37445
5564	475492.74	3849204.66	2.35558	13.38925	0.57944	3.71122	8.0273	2.31457	13.4658	13.38925	24.1703887	6.025773881	1.47E-05	0.192246	3.701792	0.32021	23.24887	22.1851712	35.47413
5565	475497.64	3849158.75	4.54214	21.39197	0.64679	3.70797	7.87157	2.32099	21.5068	21.39197	46.6064787	9.627363302	1.641E-05	0.192078	3.629977	0.3211	37.13178	35.4451905	62.0636
5566	475391.35	3849141.94	3.7673	18.21752	0.73747	3.53166	7.91212	2.32002	18.3099	18.21752	38.6559171	8.19871585	1.871E-05	0.182945	3.648677	0.32096	31.61218	30.1853203	52.43409
5567	475277	3849095.47	3.69396	19.94641	0.92954	3.46289	7.82976	2.28935	20.0664	19.94641	37.9033821	8.976795295	2.358E-05	0.179383	3.610697	0.31672	34.64488	33.0499857	52.58189
5568	475183.93	3849025.66	3.48521	23.65095	0.8835	3.45483	7.7876	2.27929	23.7196	23.65095	35.7614177	10.64400745	2.241E-05	0.178965	3.591255	0.31533	40.95204	39.1881827	52.25486
5569	474453.23	3848378.77	4.06981	19.56153	0.55485	3.10407	6.59582	1.9516	20.9012	19.56153	41.7599443	8.803581721	1.408E-05	0.160795	3.041665	0.26999	36.08613	32.412263	57.70987
5570	474569.63	3848399.34	2.82911	25.33047	0.71022	3.08638	6.26768	1.87496	25.4833	25.33047	29.0292362	11.39986814	1.802E-05	0.159879	2.890343	0.25939	43.99712	41.9710449	45.76481
5571	474644.33	3848464.52	2.8425	24.73812	0.71174	3.13647	6.43476	1.9217	24.8916	24.73812	29.1666298	11.13328359	1.806E-05	0.162474	2.967392	0.26586	42.97565	40.9895571	45.68175
5572	474719.04	3848529.7	2.85715	24.43805	0.70494	3.19381	6.59687	1.96801	24.591	24.43805	29.3169521	10.99823839	1.788E-05	0.165444	3.042149	0.27226	42.45652	40.4923594	45.75923
5573	474793.74	3848594.88	2.93227	24.6826	0.67674	3.28077	6.76229	2.01774	24.8379	24.6826	30.0877515	11.10829706	1.717E-05	0.169948	3.118432	0.27914	42.88292	40.8975638	46.74895
5574	474868.45	3848660.07	3.0675	24.46261	0.63402	3.38089	6.92397	2.06569	24.6162	24.46261	31.475334	11.00929151	1.608E-05	0.175135	3.192991	0.28578	42.50019	40.5330538	48.10568
5575	474943.15	3848725.25	3.23046	24.51955	0.6107	3.44883	7.08094	2.10923	24.6715	24.51955	33.1474515	11.03491711	1.549E-05	0.178654	3.265378	0.2918	42.59561	40.6273999	49.88643
5576	475017.86	3848790.43	3.44895	24.82448	0.61294	3.48293	7.2373	2.1516	24.9763	24.82448	35.3893572	11.17214954	1.555E-05	0.180421	3.337483	0.29766	43.12178	41.1326503	52.36622
5577	475092.56	3848855.61	3.76572	24.20391	0.62575	3.49472	7.37728	2.18942	24.3501	24.20391	38.6397049	10.8928647	1.587E-05	0.181031	3.402035	0.3029	42.04076	40.1044037	55.35491
5578	475232.58	3848959.38	4.08884	20.88041	0.68038	3.50448	7.51979	2.2294	21.0038	20.88041	41.9552093	9.397137943	1.726E-05	0.181537	3.467754	0.30843	36.26327	34.5975667	56.97579
5579	475368.47	3849029.98	3.92042	16.77498	0.79143	3.56801	7.51793	2.23859	16.899	16.77498	40.2270673	7.549506981	2.008E-05	0.184828	3.466896	0.3097	29.17624	27.7951194	53.11914
5580	475609.57	3849096.09	3.3798	15.64382	1.27293	3.52607	6.96842	2.12065	15.8459	15.64382	34.6798154	7.04043333	3.229E-05	0.182655	3.213489	0.29338	27.35806	25.9208563	46.84701
5581	475680.68	3849116.62	3.01194	19.35622	1.54381	3.36634	6.78229	2.06227	19.594	19.35622	30.905238	8.711182846	3.916E-05	0.174381	3.127655	0.2853	33.82919	32.0720768	44.96091
5582	475843.76	3849151.52	2.87417	20.66343	2.19597	3.06256	6.16887	1.85128	20.8743	20.66343	29.4915927	9.299487036	5.571E-05	0.158645	2.844777	0.25612	36.03967	34.2380441	43.8523
5583	475935.73	3849165.89	2.84443	19.74196	2.69151	2.81689	5.74934	1.80791	19.9014	19.74196	29.1864333	8.884783459	6.828E-05	0.145919	2.65131	0.25012	34.35988	32.7112245	42.76729
5584	476027.7	3849180.26	2.83382	18.81816	3.15228	2.59336	5.33476	1.84389	18.9247	18.81816	29.0775651	8.469031277	7.997E-05	0.13434	2.460126	0.25509	32.67374	31.1805442	41.88943
5585	476119.68	3849194.64	2.89388	22.38056	3.4426	2.4414	4.86866	1.76671	22.411	22.38056	29.6938352	10.07227394	8.733E-05	0.126468	2.245184	0.24442	38.69284	37.0832239	43.99188
5586	476211.65	3849209.01	2.95642	22.86978	3.76987	2.22686	4.401	1.68609	22.9078	22.86978	30.3355524	10.29244528	9.563E-05	0.115354	2.029523	0.23326	39.5505	37.8938316	44.6629
5587	476497.8	3849283.9	3.3808	29.62063	4.42868	1.71338	3.35733	1.45153	30.099	29.62063	34.6900763	13.33063604	0.0001123	0.088755	1.548234	0.20081	51.96618	49.0795786	52.74522
5588	476603.73	3849323.77	3.48216	32.06626	4.55629	1.60586	3.15065	1.45524	32.73	32.06626	35.7301219	14.43128121	0.0001156	0.083186	1.452923	0.20133	56.50861	53.1318384	55.27572
5589	476728.99	3849382.76	3.51263	31.19233	4.63071	1.53159	3.00172	1.4587	31.6092	31.19233	36.0427718	14.03797281	0.0001175	0.079339	1.384244	0.2018	54.5736	51.6837897	54.63606
5590	476801.27	3849418.65	3.52064	30.10513	4.65901	1.5024	2.94595	1.46037	30.428	30.10513	36.1249616	13.54868316	0.0001182	0.077826	1.358526	0.20204	52.53428	49.8823655	53.96407
5591	476956.2	3849495.05	3.53764	27.26118	4.66093	1.4377	2.82505	1.46283	27.448	27.26118	36.2993971	12.2687758	0.0001182	0.074475	1.302773	0.20238	47.38932	45.1701137	52.36712
5592	477038.84	3849535.56	3.55195	27.26583	4.59723	1.38614	2.70056	1.46349	27.4643	27.26583	36.4462307	12.27086852	0.0001166	0.071804	1.245364	0.20247	47.41732	45.1778185	52.47636
5593	477121.48	3849576.08	3.55972	27.24572	4.5416	1.34817	2.62713	1.46382	27.3839	27.24572	36.5259579	12.2618181	0.0001152	0.069837	1.211502	0.20251	47.2786	45.1444974	52.40584
5594	477204.13	3849616.6	3.57043	27.55133	4.42051	1.29905	2.51175	1.46378	27.6305	27.55133	36.6358522	12.39935655	0.0001121	0.067293	1.158294	0.20251	47.70436	45.6508746	52.5169
5595	477286.78	3849657.12	3.59607	27.13107	4.21027	1.34053	2.25131	1.46341	27.1602	27.13107	36.8989419	12.21022036	0.0001068	0.069441	1.038192	0.20246	46.89238	44.9545294	52.35721
5596	477369.42	3849697.63	3.58333	27.70302	4.20772	1.38189	2.3458	1.4627	27.7008	27.70302	36.7682179	12.46762398	0.0001067	0.071584	1.081767	0.20236	47.82576	45.9022157	52.5152
5597	477452.07	3849738.15	3.59299	28.3436	4.06788	1.42435	2.33308	1.46172	28.2407	28.3436	36.8673383	12.75591423	0.0001032	0.073783	1.075901	0.20222	48.75777	46.9636177	52.76941
5598	477534.71	3849778.67	3.58605	27.68162	3.99773	1.46588	2.39586	1.4601	27.5392	27.68162	36.7961276	12.457993	0.0001014	0.075935	1.104852	0.202	47.54671	45.8667572	52.31696
5599	477617.35	3849819.18	3.59788	28.47171	3.83019	1.50905	2.4527	1.45852	28.2375	28.47171	36.9175141	12.81356958	9.716E-05	0.078171	1.131063	0.20178	48.75231	47.1758882	52.71862
5600	477824.74	3849896.37	3.75163	20.20568	3.29737	1.64887	2.65006	1.44665	20.1302	20.20568	38.4951287	9.093478634	8.365E-05	0.085414	1.222076	0.20014	34.75493	33.4795802	50.37166
5601	477906.31	3849936.37	3.76579	21.10957	3.26468	1.69494	2.6991	1.44506	20.9616	21.10957	38.6404231	9.500270407	8.282E-05	0.0878	1.244691	0.19992	36.19043	34.9772709	50.88635

5602	477987.89	3849976.36	3.74358	21.24144	3.2451	1.7357	2.76023	1.44164	21.0734	21.24144	38.4125284	9.559617929	8.232E-05	0.089912	1.272881	0.19944	36.38351	35.1957714	50.7222
5603	478069.47	3850016.36	3.74251	21.45078	3.17339	1.77933	2.81389	1.439	21.2262	21.45078	38.4015492	9.653830488	8.05E-05	0.092172	1.297626	0.19908	36.64718	35.5426351	50.74888
5604	478151.04	3850056.35	3.73788	21.72571	3.07773	1.82214	2.86932	1.43599	21.4898	21.72571	38.3540412	9.777561542	7.808E-05	0.094389	1.323188	0.19866	37.10231	35.9981773	50.85205
5605	478232.62	3850096.35	3.7168	21.83598	2.99906	1.86232	2.92848	1.4424	21.5559	21.83598	38.1377413	9.827188077	7.608E-05	0.096471	1.35047	0.19955	37.21655	36.180888	50.64716
5606	478314.2	3850136.34	3.69439	21.85675	2.91307	1.9669	2.9876	1.53101	21.5318	21.85675	37.9077943	9.836535525	7.39E-05	0.101888	1.377733	0.21181	37.17492	36.2153026	50.39545
5607	478395.77	3850176.34	3.67935	21.81623	2.81846	2.17288	3.04695	1.62155	21.4625	21.81623	37.7534703	9.818299675	7.15E-05	0.112558	1.405102	0.22433	37.05526	36.1481634	50.22093
5608	478575.43	3850244.45	4.00741	17.82493	2.50361	2.78711	3.20858	1.866	17.602	17.82493	41.1196636	8.022032424	6.351E-05	0.144376	1.479638	0.25815	30.3901	29.5348226	51.8792
5609	478665.06	3850287.29	4.17527	17.56672	2.37983	3.03396	3.2735	1.95772	17.3304	17.56672	42.8420596	7.905826133	6.037E-05	0.157163	1.509576	0.27084	29.92111	29.1069844	53.49965
5610	478754.69	3850330.14	4.34334	17.26444	2.26092	3.27108	3.33794	2.03987	17.0157	17.26444	44.5666103	7.769786331	5.735E-05	0.169447	1.539292	0.28221	29.37778	28.6061248	55.09905
5611	478844.32	3850372.99	4.5092	16.87995	2.15287	3.49209	3.40103	2.14587	16.6768	16.87995	46.2684844	7.596748274	5.461E-05	0.180895	1.568386	0.29687	28.79266	27.9690483	56.73506
5612	478933.95	3850415.84	4.67275	17.04779	2.05637	3.68448	3.46461	2.54853	16.826	17.04779	47.9466559	7.672283938	5.217E-05	0.190861	1.597706	0.35258	29.05028	28.247149	58.56326
5613	479023.58	3850458.68	4.86355	16.98759	1.92694	3.89866	3.52057	2.90674	16.7236	16.98759	49.904437	7.645191189	4.888E-05	0.201956	1.623512	0.40213	28.8734	28.1474013	60.50327
5614	479110.66	3850441.9	5.74561	12.51286	1.6764	4.21711	3.85387	3.50996	12.375	12.51286	58.9551732	5.631358363	4.253E-05	0.218452	1.777214	0.48559	21.36548	20.7330464	67.70026
5615	479191.22	3850423.99	6.42024	10.0862	1.47609	4.33506	4.29221	3.87685	10.0114	10.0862	65.8774893	4.539250557	3.745E-05	0.224562	1.979354	0.53634	17.28482	16.7122187	73.72964
5616	479274.32	3850465.71	6.58004	10.09004	1.41524	4.37216	4.45903	4.01039	10.0139	10.09004	67.5171823	4.540978732	3.59E-05	0.226484	2.056283	0.55482	17.28912	16.7185813	75.46632
5617	479357.43	3850507.42	6.75804	10.1905	1.34809	4.41189	4.62328	4.06784	10.1114	10.1905	69.3436238	4.58619032	3.42E-05	0.228542	2.132027	0.56277	17.45749	16.8850374	77.42563
5618	479440.53	3850549.14	6.94006	10.09763	1.28601	4.42723	5.26536	4.0511	9.98936	10.09763	71.2113142	4.544394579	3.262E-05	0.229337	2.428123	0.56045	17.24673	16.7311575	79.48922
5619	479523.64	3850590.85	7.10521	9.7417	1.2379	4.40073	5.52674	3.99631	9.62957	9.7417	72.9059031	4.384209826	3.14E-05	0.227964	2.548658	0.55287	16.62555	16.1414032	81.10378
5620	479606.74	3850632.57	7.23666	9.66581	1.20114	4.33992	5.74442	3.92654	9.59595	9.66581	74.2546994	4.350055861	3.047E-05	0.224814	2.649041	0.54322	16.5675	16.015658	82.57371
5621	479777.37	3850707.61	7.1189	9.34915	1.12496	4.08486	6.23159	3.67216	9.26025	9.34915	73.0463749	4.207544402	2.854E-05	0.211601	2.8737	0.50803	15.98792	15.4909717	81.34422
5622	479864.9	3850740.95	6.67886	9.08577	1.09167	3.87609	6.3959	3.55922	9.01536	9.08577	68.5311652	4.089011375	2.769E-05	0.200787	2.949472	0.4924	15.56511	15.0545671	76.77341
5623	479931.87	3850829.56	6.74957	11.24146	1.12837	4.12069	6.23917	3.66705	11.0919	11.24146	69.2567139	5.059170309	2.862E-05	0.213457	2.877195	0.50732	19.15028	18.6264141	78.43775
5624	479995.55	3850926.75	6.85827	16.58995	1.18797	4.39676	5.51848	3.86924	16.2461	16.58995	70.3720746	7.466235032	3.014E-05	0.227758	2.544849	0.53529	28.04899	27.488536	81.70669
5625	480079.78	3850968.64	6.99083	16.30561	1.16591	4.27596	5.67726	3.81601	15.9875	16.30561	71.7322605	7.338269048	2.958E-05	0.221501	2.61807	0.52793	27.60262	27.017402	83.02327
5626	480164.01	3851010.54	7.12902	16.08519	1.14328	4.1286	5.82418	3.75723	15.7632	16.08519	73.1502153	7.239069984	2.9E-05	0.213867	2.685823	0.51979	27.21538	26.6521795	84.372
5627	480248.23	3851052.43	7.2839	15.87942	1.12039	3.96431	5.95844	3.69869	15.5492	15.87942	74.7394247	7.146464088	2.842E-05	0.205357	2.747737	0.5117	26.8458	26.3112311	85.88527
5628	480332.46	3851094.33	7.49646	15.92955	1.14387	3.79672	6.08154	3.63094	15.6449	15.92955	76.9204832	7.169024877	2.902E-05	0.196675	2.804504	0.50232	27.01104	26.3942935	88.20979
5629	480416.69	3851136.22	7.74953	16.31194	1.17224	3.62806	6.1959	3.56381	16.065	16.31194	79.5172111	7.341117837	2.974E-05	0.187939	2.857242	0.49304	27.73635	27.0278904	91.10503
5630	480579.95	3851215.17	8.03559	16.41738	1.17536	3.24703	6.36775	3.49812	16.2728	16.41738	82.4524463	7.388570652	2.982E-05	0.168201	2.93649	0.48395	28.09512	27.202598	94.32221
5631	480658.98	3851252.22	8.16518	16.1983	1.49802	3.0464	6.421	3.48631	16.1078	16.1983	83.7821573	7.289974648	3.8E-05	0.157808	2.961046	0.48231	27.81035	26.8395958	95.64409
5632	480817.36	3851327.85	8.51861	15.95849	2.91953	2.99876	6.47526	3.50602	15.9703	15.95849	87.4086699	7.182049198	7.406E-05	0.15534	2.986068	0.48504	27.57282	26.4422453	99.34781
5633	480896.71	3851366.42	8.78984	15.97401	3.834	2.95955	6.47465	3.52709	16.0363	15.97401	90.1917358	7.189033907	9.726E-05	0.153309	2.985787	0.48796	27.68677	26.467961	102.2267
5634	480976.07	3851405	9.10334	18.58164	4.86376	2.90432	6.45362	3.5532	19.1177	18.58164	93.4085304	8.362586477	0.0001234	0.150448	2.976089	0.49157	33.00685	30.788645	107.6076
5635	481178	3851487.31	8.13122	16.67628	7.49459	2.69151	6.21348	3.82926	17.3501	16.67628	83.4336969	7.505087474	0.0001901	0.139424	2.865349	0.52976	29.95511	27.6315796	96.79703
5636	481244.9	3851557.17	8.16046	18.82372	7.9147	2.76498	6.36522	3.88117	19.2882	18.82372	83.7337258	8.471533531	0.0002008	0.14323	2.935323	0.53694	33.30122	31.1897568	97.93242
5637	481311.81	3851627.03	8.20207	23.87826	8.2667	2.84384	6.52045	3.90146	24.2201	23.87826	84.1606822	10.74630733	0.0002097	0.147315	3.006908	0.53975	41.81632	39.5648215	100.8527
5638	481378.71	3851696.89	8.24937	26.08441	8.54567	2.92616	6.67541	3.88656	26.2256	26.08441	84.6460231	11.73917557	0.0002168	0.151579	3.078368	0.53769	45.27878	43.2202776	102.2116
5639	481445.61	3851766.76	8.29018	26.52918	8.75184	3.00847	6.83232	3.8187	26.5534	26.52918	85.0647708	11.93934238	0.000222	0.155843	3.150727	0.5283	45.84465	43.9572343	102.7266
5640	481512.51	3851836.62	8.34165	25.50189	8.8483	3.09729	6.99554	3.77745	25.5561	25.50189	85.5928997	11.47701497	0.0002245	0.160444	3.225996	0.52259	44.1228	42.2550774	102.8469
5641	481579.42	3851906.48	8.3919	24.34238	8.83849	3.18829	7.16195	3.82223	24.4241	24.34238	86.1085103	10.95518252	0.0002242	0.165158	3.302736	0.52879	42.16839	40.33384	102.8951
5642	481646.32	3851976.34	8.42714	23.25469	8.72687	3.2787	7.32538	3.8681	23.3587	23.25469	86.4701047	10.46567236	0.0002214	0.169841	3.378102	0.53513	40.32908	38.531604	102.8166
5643	481713.22	3852046.2	8.50158	22.19481	8.4348	3.38587	7.49818	3.91077	22.3142	22.19481	87.2339266	9.988677962	0.000214	0.175393	3.457788	0.54104	38.52569	36.7754474	103.1473
5644	481780.12	3852116.06	8.5203	21.54025	8.14037	3.47032	7.65818	3.9597	21.6674	21.54025	87.4260108	9.694096073	0.0002065	0.179767	3.531572	0.54781	37.40899	35.6908814	103.0976
5645	481847.03	3852185.92	8.5129	20.92812	7.83948	3.54139	7.81327	4.00629	21.0598	20.92812	87.3500801	9.418609622	0.0001989	0.183449	3.603092	0.55425	36.36001	34.6766193	102.7931
5646	481913.93	3852255.78	8.49302	20.12691	7.54873	3.60245	7.95928	4.04819	20.2696	20.12691	87.1460933	9.058028537	0.0001915	0.186612	3.670425	0.56005	34.99574	33.3490632	102.2681
5647	481980.83	3852325.65	8.44976	19.71294	7.37064	3.64469	8.09059	4.08134	19.2094	19.71294	86.7022064	8.871723134	0.000187	0.1888	3.730978	0.56463	33.16521	32.6631401	100.5606
5648	482047.73	3852395.51	8.62077	20.0813	7.01823	3.70942	8.24068	4.11687	19.1096	20.0813	88.4569242	9.037501954	0.000178	0.192153	3.800193	0.56955	32.99294	33.2734902	101.7759
5649	482114.64	3852465.37	8.92365	20.39997	6.87304	3.74616	8.37221	4.13965	19.0382	20.39997	91.5647479	9.180918005	0.0001744	0.194056	3.860848	0.5727	32.86965	33.8015069	104.4416
5650	482181.54	3852535.23	9.2961	20.9588	6.44863	3.82161	8.53359	4.17824	20.1998	20.9588	95.3864229	9.432417023	0.0001636	0.197965	3.935268	0.57804	34.87512	34.7274542	109.6779
5651	482338.69	3852700.04	10.10386	22.50584	6.10128	3.94188	8.87144	4.2471	23.4347	22.50584	103.674774	10.12865566	0.0001548	0.204195	4.091068	0.58757	40.46016	37.2908052	121.8558
5652	482404.05	3852767.78	10.17461	23.05208	6.11756	4.08993	9.00988	4.27045	24.5707	23.05208	104.400733	10.37448861	0.0001552	0.211864	4.154909	0.5908	42.42148	38.1958916	123.9585
5653	482469.4	3852835.52	9.97181	22.24839	6.70689	4.29238	9.14285	4.2913	24.2067	22.24839	102.319821	10.01279141	0.0001701	0.222351	4.216229	0.59368	41.79304	36.8642262	122.2939
5654	482534.75	3852903.25	9.52722	17.97174	8.64677	4.52495	9.28864	4.48863	19.8538	17.97174	97.7579239	8.088103627	0.0002193	0.234399	4.28346	0.62098	34.27772	29.7780778	115.4847
5655	482600.11	3852970.99	8.81543	19.45371	10.46367	4.75775	9.41556	4.74673	17.6817	19.45371	90.4543125	8.755057797	0.0002654	0.246458	4.341989	0.65669	30.52762	32.2336118	102.7488
5656	482706.71	3853119.28	7.84002	19.8491	12.37058	5.81828	9.5122	5.21776	14.9983	19.8491	80.4457206	8.933001352	0.0003138	0.301395	4.386554	0.72185	25.89477	32.8887489	87.79486
5657	482747.96	3853199.84	7.95685	17.22288	12.79833	6.58971	9.33623	5.4505	15.8839	17.22288	81.6445024	7.751082433	0.0003247	0.341356	4.305406	0.75405	27.42375	28.5372624	93.68321
5658	482789.21	3853280.4	8.07112	17.78237	13.01354	7.30357	9.04108	5.70761	17.9929	17.78237	82.8170164	8.00287848	0.0003301	0.378335	4.169297	0.78962	31.06499	29.4643033	97.75817
5659	482830.46	3853360.96	8.20674	18.52511	12.99566	7.94922	8.65079	6.04186	18.7658	18.52511	84.2086006	8.337145395	0.0003297	0.411781	3.989315	0.83586	32.39936	30.6949782	99.48742
5660	482871.71	3853441.52	8.40705	17.53425	12.64299	8.48207	8.16291	6.45945	18.0914	17.53425	86.263963	7.891213151	0.0003207	0.439383	3.764329	0.89363	31.235	29.0531836	101.4347

5661	482912.95	3853522.07	8.8601	16.11249	11.74284	9.01247	7.61873	7.09917	17.1079	16.11249
5662	482954.2	3853602.63	9.3533	14.55715	11.04707	10.35791	7.54627	7.9616	15.9126	14.55715
5663	482995.45	3853683.19	9.91028	13.15401	12.1089	12.97781	8.96418	9.29028	14.8017	13.15401
5664	483036.7	3853763.75	10.53116	11.83936	12.89049	16.53962	10.50676	11.46737	13.9213	11.83936
5665	483214.2	3853909.91	11.29178	10.91526	21.73497	21.88058	11.8391	13.85701	12.0328	10.91526
5666	483307.01	3853910.44	10.24288	8.48216	10.80568	14.1607	10.12779	10.50762	9.0952	8.48216
5667	483399.83	3853910.96	8.96766	4.75118	9.21887	11.49952	8.92649	8.44697	5.24836	4.75118
5668	483494.52	3854009.24	8.57519	4.33918	10.26248	11.99384	9.6022	9.93503	5.76039	4.33918
5669	483496.41	3854106.98	9.41854	6.41537	10.93288	16.7238	12.78963	11.05116	7.16009	6.41537
5670	483577.56	3854261.96	10.99661	7.03483	11.01298	52.75974	16.57477	21.79349	8.54586	7.03483
5671	483656.83	3854319.19	11.08735	5.67656	16.56677	53.27913	17.54797	20.8657	8.96985	5.67656
5672	483736.1	3854376.41	11.20055	4.29093	18.00278	53.22692	18.07227	19.77693	9.5256	4.29093
5673	483815.36	3854433.64	11.34218	3.47968	13.37401	54.44565	18.4617	18.72852	10.1581	3.47968
5674	483894.63	3854490.87	11.5369	3.16863	15.1804	55.59109	18.67765	17.59853	10.8762	3.16863
5675	483973.9	3854548.09	11.78602	2.89538	17.85305	55.9664	18.72422	16.59951	12.1902	2.89538
5676	484053.17	3854605.32	12.03145	2.63028	13.80145	59.12606	18.85614	16.49461	14.0118	2.63028
5677	484214.97	3854698.15	12.76082	2.54528	9.13856	55.31371	17.97524	17.14347	15.0045	2.54528
5678	484297.5	3854733.74	12.94843	2.76439	10.17405	58.45538	17.32014	15.75211	14.8338	2.76439
5679	484380.03	3854769.34	13.35676	2.86875	9.21565	61.01369	16.15668	15.05813	15.4985	2.86875
5680	484462.56	3854804.94	13.60104	2.91073	10.0895	63.89521	15.31223	16.79009	15.1322	2.91073
5681	484545.09	3854840.53	13.97291	2.82362	10.31009	63.00676	14.0518	16.55791	15.0891	2.82362
5682	484691.88	3854912.58	13.73756	2.70714	9.62469	65.09845	14.98278	15.38661	15.0975	2.70714
5683	484830.81	3855012.51	13.18378	2.79194	9.8398	70.8204	16.67989	16.47188	16.4919	2.79194
5684	484905.48	3855075.97	12.8882	2.826	11.83937	69.7593	17.24285	18.00013	16.3427	2.826
5685	484980.14	3855139.44	12.68984	2.79901	10.12906	68.7961	18.72864	19.48986	17.7409	2.79901
5686	485054.81	3855202.91	12.59415	2.75075	11.06891	68.42661	20.33762	19.96996	18.164	2.75075
5687	485129.48	3855266.37	12.63519	2.69036	11.03391	66.65678	21.68859	20.03911	18.1854	2.69036
5688	485204.15	3855329.84	12.40825	2.64681	11.84472	66.6096	23.82707	19.35822	17.419	2.64681
5689	485278.82	3855393.31	12.31626	2.59422	14.29067	64.78526	25.72395	18.85692	16.6931	2.59422
5690	485353.48	3855456.77	12.15596	2.5351	14.72148	62.9225	27.91899	18.20613	15.8443	2.5351
5691	485428.15	3855520.24	12.06004	2.48447	13.8218	62.02195	30.06778	17.7266	15.0813	2.48447
5692	485502.82	3855583.71	11.94344	2.43373	15.79159	64.13648	32.39882	17.23969	14.3162	2.43373
5693	485577.49	3855647.17	11.73372	2.36842	16.24712	59.4842	35.06833	16.73229	13.5653	2.36842
5694	485652.16	3855710.64	11.53115	2.29656	17.4697	61.70328	37.22453	16.04129	12.9166	2.29656
5695	485726.83	3855774.1	11.39996	2.24531	17.36539	61.2387	39.86949	15.81163	12.3924	2.24531
5696	485801.49	3855837.57	11.30619	2.20798	16.91739	64.50447	42.65587	15.68894	11.9583	2.20798
5697	485876.16	3855901.04	11.17004	2.16097	16.58303	60.12713	45.69723	15.4419	11.5074	2.16097
5698	485950.83	3855964.5	11.05821	2.12481	14.99101	64.56943	48.90911	15.22054	11.0873	2.12481
5699	486025.5	3856027.97	10.98409	2.10252	14.15904	60.60325	53.49317	14.92531	10.5015	2.10252
5700	486100.17	3856091.44	10.72627	2.02426	14.735	62.57487	56.23874	14.78241	10.3642	2.02426
5701	486174.83	3856154.9	10.66312	2.01422	13.52531	59.70949	60.04422	14.56435	9.97665	2.01422
5702	486249.5	3856218.37	10.71178	2.02644	12.20333	61.47689	64.28842	14.09854	10.0184	2.02644
5703	486324.17	3856281.84	10.72398	2.02483	9.68682	58.06828	66.25241	14.4126	9.81072	2.02483
5704	486398.84	3856345.3	10.70957	1.98099	9.59712	60.45141	71.13695	14.73717	9.67624	1.98099
5705	486473.51	3856408.77	10.75307	1.94857	9.87491	57.60671	75.35101	14.48796	9.53292	1.94857
5706	486548.17	3856472.24	10.73528	1.90245	10.22477	57.74596	81.17007	14.01093	9.59325	1.90245
5707	486622.84	3856535.7	10.71813	1.85722	10.90685	62.68987	87.61537	13.60008	9.49101	1.85722
5708	486765.48	3856659.69	10.6851	1.7565	9.52856	56.37846	104.1056	13.0444	8.28226	1.7565
5709	486833.44	3856720.2	10.71096	1.71192	10.15431	56.36778	111.9645	13.05749	8.0108	1.71192
5710	486901.41	3856780.72	10.72297	1.72959	10.89852	54.52351	121.0272	13.00401	7.82941	1.72959
5711	486969.38	3856841.24	10.75428	1.79311	10.01295	52.60369	131.2309	13.05298	7.6394	1.79311
5712	487037.34	3856901.75	10.78932	1.85711	10.68406	50.82584	151.856	13.12601	7.45482	1.85711
5713	487271.23	3856855.51	9.04214	1.80399	12.23368	14.10833	152.1724	7.09374	5.68852	1.80399
5714	487368.95	3856857.29	8.62978	1.78259	8.58484	12.26848	151.3895	6.34243	5.34854	1.78259
5715	487466.68	3856859.06	8.26377	1.76608	7.86361	10.90529	161.0738	5.73892	5.04327	1.76608
5716	487636.44	3856930	7.99566	1.78757	8.03744	9.7555	145.4915	5.49925	4.6993	1.78757
5717	487709.57	3856928.43	7.76128	1.76508	7.55107	9.04753	135.8664	5.59031	4.5096	1.76508
5718	487782.55	3856841.96	7.29383	1.87115	8.44157	7.58772	135.4505	5.23954	4.17842	1.87115
5719	487849.83	3856754.74	6.91088	2.03063	8.09559	6.36956	151.8397	4.65595	3.77834	2.03063

90.9126672	7.25135623	0.0002979	0.466859	3.51338	0.98214	29.53693	26.6974139	105.9662		
95.9733468	6.55138221	0.0002802	0.536554	3.479965	1.10145	27.47318	24.1203103	110.9958		
101.688467	5.91990514	0.0003072	0.672269	4.133835	1.28526	25.55523	21.7953928	117.4599		
108.059259	5.32825261	0.000327	0.856775	4.845196	1.58645	24.03532	19.6170979	125.0945		
115.863911	4.912365414	0.0005514	1.133445	5.459605	1.91705	20.77473	18.0859205	131.9757		
105.101245	3.817359313	0.0002741	0.733544	4.670434	1.45368	15.70296	14.0544221	117.4251		
92.0163304	2.138247949	0.0002339	0.595691	4.116454	1.1686	9.061347	7.87241568	101.2245		
87.989232	1.952829136	0.0002603	0.621298	4.428058	1.37446	9.945372	7.18975679	99.12175		
96.6427684	2.887209439	0.0002773	0.866316	5.897942	1.52887	12.36197	10.6298771	109.5555		
112.835199	3.165994725	0.0002794	2.733028	7.643461	3.01502	14.75451	11.6562845	132.4912		
113.766274	2.554711204	0.0004203	2.759933	8.092253	2.88667	15.48654	9.40571394	136.1411		
114.927808	1.931114433	0.0004567	2.757229	8.334034	2.73604	16.44604	7.10980948	140.0229		
116.381061	1.566014889	0.0003393	2.820361	8.51362	2.591	17.53808	5.76561768	143.6449		
118.379065	1.426028186	0.0003851	2.879696	8.613205	2.43467	18.77778	5.25022679	147.2606		
120.935262	1.303053209	0.0004529	2.899138	8.634681	2.29646	21.04656	4.79746819	152.3181		
123.453596	1.183746104	0.0003501	3.062812	8.695516	2.28195	24.19145	4.35821365	158.5112		
130.937595	1.145492223	0.0002318	2.865327	8.289288	2.37172	25.90546	4.21737383	167.2977		
132.862643	1.244101728	0.0002581	3.02807	7.987189	2.17923	25.61076	4.58042574	168.3318		
137.05248	1.291068493	0.0002338	3.160594	7.450659	2.08322	26.75833	4.7533439	173.0432		
139.559014	1.30996141	0.0002559	3.309861	7.06124	2.32283	26.12597	4.8229022	174.8662		
143.374738	1.270757932	0.0002615	3.263838	6.479993	2.29071	26.05145	4.67856624	178.0532		
140.959833	1.218336614	0.0002442	3.372191	6.909314	2.12866	26.06604	4.48556598	176.1691		
135.277548	1.256500486	0.0002496	3.668596	7.691937	2.2788	28.4735	4.62607441	174.0211		
132.244629	1.271829041	0.0003003	3.613629	7.951546	2.49023	28.21582	4.68250976	171.1055		
130.209275	1.259682309	0.000257	3.563734	8.636719	2.69633	30.62986	4.63778897	172.3581		
129.227409	1.237963105	0.0002808	3.544594	9.378701	2.76275	31.36035	4.55782509	172.9542		
129.648517	1.210784847	0.0002799	3.452914	10.0017	2.77231	31.39719	4.45776255	174.0259		
127.319906	1.191185359	0.0003005	3.45047	10.98786	2.67812	30.07413	4.38560285	171.3164		
126.376006	1.167517458	0.0003625	3.355967	11.86261	2.60876	28.82079	4.29846443	169.8935		
124.731182	1.140910758	0.0003735	3.259473	12.87485	2.51873	27.35536	4.20050619	167.6804		
123.746956	1.118124946	0.0003506	3.212824	13.86577	2.45239	26.03798	4.11661536	166.3178		
122.550534	1.095289629	0.0004006	3.322359	14.94073	2.38503	24.71703	4.03254228	164.9788		
120.398616	1.065897147	0.0004122	3.081365	16.17177	2.31483	23.42059	3.92432759	162.5292		
118.320064	1.033556866	0.0004432	3.196316	17.16611	2.21923	22.30062	3.80525995	160.4311		
116.973936	1.010492026	0.0004405	3.17225	18.38583	2.18746	21.39555	3.72034182	159.4056		
116.011771	0.993691821	0.0004292	3.341422	19.67077	2.17049	20.64614	3.65848829	159.1762		
114.614748	0.972535174	0.0004207	3.114669	21.07329	2.13631	19.86769	3.58059558	158.1991		
113.467271	0.956261523	0.0003803	3.344787	22.55445	2.10569	19.14235	3.52068067	158.0505		
112.706732	0.946230005	0.0003592	3.139333	24.66839	2.06484	18.13088	3.48374749	158.173		
110.061265	0.911009432	0.0003738	3.241466	25.93452	2.04507	17.89395	3.35407544	156.7336		
109.413289	0.906490974	0.0003431	3.093035	27.68941	2.01491	17.22479	3.33743978	157.0048		
109.912585	0.911990532	0.0003096	3.184589	29.64663	1.95046	17.2969	3.35768757	159.5458		
110.037768	0.911265958	0.0002457	3.008018	30.55232	1.99391	16.93831	3.3550199	160.0868		
109.889908	0.891535956	0.0002435	3.131467	32.80483	2.03882	16.70613	3.28237969	162.1805		
110.336257	0.876945476	0.0002505	2.984108	34.74815	2.00434	16.45868	3.22866173	164.1801		
110.153716	0.85618937	0.0002594	2.991321	37.43161	1.93834	16.56284	3.1522437	166.782		
109.977741	0.835833805	0.0002767	3.247423	40.40386	1.8815	16.38632	3.07730034	169.6557		
109.638824	0.790505205	0.0002417	2.920483	48.00832	1.80463	14.29941	2.91041344	174.552		
109.904171	0.77044217	0.0002576	2.91993	51.63249	1.80644	13.83073	2.8365471	178.0279		
110.027404	0.778394477	0.0002765	2.824394	55.81174	1.79904	13.51756	2.86582521	181.893		
110.348673	0.806981377	0.000254	2.724945	60.51716	1.80582	13.1895	2.97107398	186.4223		
110.708215	0.8357843	0.000271	2.632849	70.02847	1.81592	12.87082	3.07711808	195.8152		
92.7805628	0.811877874	0.0003103	0.730831	70.17437	0.98138	9.821287	2.98910148	172.3115		
88.549375	0.802246897	0.0002178	0.635524	69.81332	0.87744	9.234309	2.95364298	166.9588		
84.7937802	0.794816643	0.0001995	0.564909	74.27922	0.79395	8.707257	2.92628692	167.0078		
82.0427283	0.804488124	0.0002039	0.505349	67.09345	0.76079	8.113389	2.96189454	156.3585		
79.6377767	0.794366597	0.0001916	0.468675	62.65482	0.77339	7.78587	2.92462998	149.1905		
74.8413155	0.842102941	0.0002141	0.393054	62.46306	0.72486	7.214084	3.10038151	143.3783		
70.9119009	0.913876223	0.0002054	0.329952	70.02093	0.64413	6.523342	3.36463015	145.9797		

5720	487918.03	3856819.39	6.91251	1.99269	8.40945	6.69133	146.1382	4.64636	3.75421	1.99269
5721	487918.8	3856886.37	7.08292	1.91123	8.02316	7.16955	132.598	4.98067	3.9041	1.91123
5722	488065.46	3857127.5	7.4476	1.83952	10.30031	8.17409	149.7267	4.57089	4.02702	1.83952
5723	488192.19	3857385.83	7.57544	2.08388	18.30917	10.02781	161.2652	10.47461	4.03082	2.08388
5724	488191.21	3857473.87	7.61641	2.18959	16.61555	11.03539	186.296	10.02246	4.10059	2.18959
5725	488190.24	3857561.9	7.73324	2.27591	21.81813	12.24335	214.7037	8.52917	4.33897	2.27591
5726	488158.35	3857691.13	8.60172	2.51098	18.82548	15.49042	251.3455	14.42329	4.73179	2.51098
5727	488208.37	3857816.66	9.62869	2.98478	22.76336	18.34091	226.8409	16.63172	4.91067	2.98478
5728	488271.97	3857874.6	9.72867	3.18449	25.82738	18.73443	197.682	13.32575	4.87116	3.18449
5729	488463.56	3857942.31	8.58482	3.15391	20.30013	15.41316	110.3978	11.18986	4.42262	3.15391
5730	488554.83	3857940.83	7.98724	2.99594	18.78195	13.62696	79.15633	10.39585	4.19751	2.99594
5731	488646.1	3857939.36	7.63554	2.84853	17.25088	11.99263	87.09215	9.7347	3.99741	2.84853
5732	488737.37	3857937.88	7.32951	2.71799	16.41089	12.32465	90.53722	9.19921	3.80614	2.71799
5733	488733.59	3857960.57	7.41406	2.83316	17.1615	12.44305	86.87488	9.26939	3.85693	2.83316
5734	488638.09	3857961.57	7.74305	2.97214	17.71002	12.55123	81.08193	9.85633	4.05575	2.97214
5735	488542.6	3857962.56	8.12684	3.11876	18.13113	14.33857	77.29989	10.57573	4.26789	3.11876
5736	488447.1	3857963.56	9.01312	3.31282	19.65689	16.3762	122.8743	11.48857	4.52018	3.31282
5737	488254.28	3857890.36	10.20477	3.29403	25.88383	20.20536	204.5602	13.6948	5.07006	3.29403
5738	488191.69	3857833.06	10.10305	3.08822	24.23516	19.76921	232.4825	16.88858	5.09291	3.08822
5739	488129.5	3857907.43	12.97343	3.58647	29.50553	54.9525	231.8885	20.92193	6.27245	3.58647
5740	488196.47	3857968.73	13.12676	3.78381	25.27635	55.28685	209.6398	22.69661	6.28429	3.78381
5741	488263.44	3858030.04	13.28401	3.95158	23.68833	54.82596	190.6893	22.79624	6.30196	3.95158
5742	488400.64	3858132.9	12.92015	4.22258	20.2734	37.36476	157.675	19.21376	6.08047	4.22258
5743	488519.89	3858218.38	12.58529	4.64762	17.61705	30.55471	126.6133	16.05344	5.95065	4.64762
5744	488647.97	3858214.99	10.29274	4.33182	16.74579	20.17835	84.12825	13.03663	4.95341	4.33182
5745	488727.05	3858167.67	8.80725	3.92158	17.53963	15.73905	59.54674	11.16743	4.33719	3.92158
5746	488806.12	3858120.35	7.69358	3.52242	14.81488	14.12411	55.52693	9.78518	3.99874	3.52242
5747	488885.2	3858073.03	7.2578	3.13859	15.52093	14.17741	73.45046	8.59281	3.76675	3.13859
5748	489055.76	3857991.17	7.33496	2.61058	14.15737	14.61819	81.16562	7.77082	3.32333	2.61058
5749	489245.39	3857944.54	7.72428	2.27834	13.52503	13.5644	63.14022	6.87148	3.12483	2.27834
5750	489430.63	3857930.91	6.89074	2.48071	12.2423	8.62845	50.98557	6.24683	2.96511	2.48071
5751	489517.74	3857929.36	6.35057	2.35173	13.1369	9.92471	49.403	5.99388	2.88792	2.35173
5752	489604.85	3857927.82	6.05204	2.08538	11.21069	17.42913	48.00892	5.80089	2.80831	2.08538
5753	489691.97	3857926.28	6.10133	1.90216	16.02186	14.02868	47.78614	5.62948	2.72579	1.90216
5754	489779.08	3857924.73	6.08795	1.84295	11.41648	9.73454	49.07162	5.41193	2.64223	1.84295
5755	490017.55	3857875.08	5.26538	1.6373	9.16565	14.091	52.82714	4.84669	2.37302	1.6373
5756	490033.82	3857960.81	6.57899	1.76001	8.20796	12.97749	48.07182	4.89486	2.44351	1.76001
5757	489959.15	3857987.49	7.10624	1.86126	9.30624	14.91972	44.87853	5.13011	2.53477	1.86126
5758	489791.49	3858016.12	7.1353	2.00726	10.67337	15.58073	44.73831	5.36511	2.71138	2.00726
5759	489698.51	3858018.07	7.23319	2.08513	16.98382	12.46291	46.50944	5.61489	2.79319	2.08513
5760	489605.52	3858020.01	7.29755	2.37351	11.29023	18.60648	47.95572	5.85873	2.87214	2.37351
5761	489512.53	3858021.96	7.31516	2.54486	13.17177	15.34661	48.7081	6.09255	2.94794	2.54486
5762	489419.55	3858023.91	7.2838	2.51256	12.27721	9.60724	55.79114	6.35922	3.02049	2.51256
5763	489228.47	3858041.29	7.26314	2.58259	13.51279	17.04108	74.02382	6.83073	3.17875	2.58259
5764	489065.75	3858085.78	7.44022	2.96964	14.55406	15.86328	77.81888	7.7881	3.441	2.96964
5765	489001.12	3858114.86	7.58936	3.19332	14.24081	15.78471	72.85905	8.53724	3.61787	3.19332
5766	488861.89	3858189.81	8.47925	3.74115	16.38242	15.0023	46.82082	10.50063	4.01911	3.74115
5767	488787.29	3858235.69	9.5913	4.10179	14.78428	16.17425	56.32106	11.79679	4.41656	4.10179
5768	488712.68	3858281.57	11.11461	4.4149	16.51526	20.86398	74.30707	13.79983	5.07032	4.4149
5769	488654.39	3858436.17	14.29322	5.65367	15.84342	53.52137	107.6101	27.22032	7.39081	5.65367
5770	488726.3	3858505.26	13.76828	6.0102	15.91789	52.67571	96.85716	25.49014	7.48352	6.0102
5771	488880.6	3858599.28	13.47351	6.17812	14.87692	54.65723	71.26249	23.47587	6.82402	6.17812
5772	489008.06	3858714.75	12.95699	6.97365	15.7057	55.02063	59.30221	23.27074	7.10596	6.97365
5773	489071.48	3858772.72	12.57248	7.38403	17.26428	53.69557	56.60501	23.11559	7.51098	7.38403
5774	489244.59	3858920.19	11.71138	8.38524	20.9689	67.27405	49.06355	21.23591	8.48973	8.38524
5775	489239.69	3858952.23	11.75981	8.77178	25.21078	64.04157	50.27457	36.14161	8.88667	8.77178
5776	489121.67	3858854.49	12.32672	8.15246	23.10338	78.72158	54.99787	34.40792	8.27665	8.15246
5777	489059.59	3858797.27	12.6857	7.77144	21.27426	74.78106	57.43814	30.90924	7.89876	7.77144
5778	488997.52	3858740.04	13.10054	7.39096	19.57362	72.20878	61.56295	30.33866	7.52256	7.39096

70.9286262	0.89680149	0.0002133	0.34662	67.39167	0.6428	6.481682	3.30176588	143.3866		
72.6771875	0.860140771	0.0002035	0.371393	61.14762	0.68905	6.740468	3.16679162	139.3193		
76.4191353	0.827867996	0.0002613	0.423429	69.04653	0.63236	6.952691	3.04797252	151.2543		
77.7308897	0.937841154	0.0004645	0.519455	74.36749	1.44911	6.959252	3.45286215	158.5116		
78.1512791	0.985415481	0.0004215	0.571649	85.91049	1.38656	7.07971	3.62801718	170.4575		
79.3500609	1.024263423	0.0005535	0.634223	99.01068	1.17997	7.491276	3.77104416	184.92		
88.2614539	1.130055657	0.0004776	0.802425	115.9081	1.99539	8.169483	4.16054082	212.1068		
98.7990982	1.343287291	0.0005775	0.950085	104.6078	2.30092	8.478322	4.94559854	211.5345		
99.8249837	1.433165911	0.0006552	0.97047	91.1611	1.84355	8.410107	5.27650584	198.3675		
88.0880446	1.419403514	0.000515	0.798423	50.90998	1.54806	7.635698	5.22583664	145.1743		
81.9563314	1.348309801	0.0004765	0.705896	36.50297	1.43821	7.247044	4.96408998	124.2352		
78.3475702	1.28196857	0.0004376	0.621235	40.16258	1.34675	6.901569	4.7198406	123.9423		
75.2074247	1.223219609	0.0004163	0.638434	41.75127	1.27267	6.571339	4.50354377	122.1612		
76.0749844	1.275051368	0.0004354	0.644567	40.06238	1.28237	6.659029	4.69437344	121.3045		
79.4507204	1.337598714	0.0004493	0.650171	37.39096	1.36358	7.002293	4.92465483	122.2711		
83.3887541	1.403584409	0.0004599	0.742758	35.64687	1.4631	7.368555	5.16759524	124.8465		
92.4827913	1.49092027	0.0004987	0.84831	56.66353	1.58939	7.804137	5.48914083	155.3904		
104.710202	1.482463912	0.0006566	1.046666	94.33299	1.89461	8.75351	5.45800694	206.7631		
103.666462	1.389840015	0.0006148	1.024073	107.2094	2.33645	8.792961	5.11699232	219.3028		
133.119166	1.614075266	0.0007485	2.846616	106.9355	2.89445	10.82945	5.9425622	252.2974		
134.692471	1.702887277	0.0006412	2.863936	96.67547	3.13996	10.84989	6.26954255	243.6557		
136.305999	1.778391437	0.0006009	2.840061	87.93642	3.15375	10.8804	6.54752722	236.3481		
132.572465	1.900353812	0.0005143	1.935547	72.71188	2.65813	10.49799	6.9965577	215.2803		
129.136498	2.09164122	0.0004469	1.582777	58.38777	2.22091	10.27386	7.70082307	195.9931		
105.612854	1.9495168	0.0004248	1.045267	38.79577	1.80355	8.552113	7.17756172	150.5819		
90.3703782	1.764890068	0.0004449	0.815305	27.46	1.54496	7.488203	6.49781904	122.9464		
78.9431133	1.585249841	0.0003758	0.731649	25.60626	1.35373	6.903865	5.83643525	109.2878		
74.471615	1.412508815	0.0003937	0.73441	33.87171	1.18877	6.503332	5.20045234	112.9823		
75.2633466	1.174880205	0.0003591	0.757243	37.42955	1.07505	5.737763	4.32557195	117.1126		
79.2581232	1.025357034	0.0003431	0.702655	29.11714	0.95064	5.395051	3.77507052	112.6742		
70.7052463	1.116432774	0.0003106	0.446966	23.51201	0.86422	5.119292	4.11038527	97.65409		
65.1626118	1.058385885	0.0003333	0.514114	22.78221	0.82922	4.986023	3.89667327	91.43623		
62.0994231	0.938516223	0.0002844	0.902853	22.13933	0.80252	4.848576	3.45534756	88.27616		
62.6051832	0.856058857	0.0004064	0.726705	22.0366	0.77881	4.706104	3.15176319	88.5581		
62.4678923	0.829411653	0.0002896	0.504263	22.6294	0.74871	4.561837	3.05365582	88.68815		
54.0275775	0.736859763	0.0002325	0.729933	24.36125	0.67052	4.097043	2.71290631	81.91051		
67.5064083	0.792084866	0.0002082	0.672252	22.16834	0.67718	4.218745	2.9162293	93.11899		
72.9164718	0.837651989	0.0002361	0.772862	20.69575	0.70973	4.376306	3.08399438	97.22501		
73.2146538	0.903358656	0.0002708	0.807104	20.63109	0.74224	4.681225	3.32590748	97.65403		
74.2190941	0.938403711	0.0004308	0.645596	21.44784	0.77679	4.822471	3.45493332	99.3957		
74.8794861	1.068187879	0.0002864	0.963842	22.1148	0.81053	4.958779	3.93276141	100.8631		
75.0601807	1.145303204	0.0003341	0.794976	22.46176	0.84287	5.089648	4.21667791	101.1784		
74.7383986	1.130766729	0.0003114	0.497668	25.7281	0.87977	5.214907	4.16315878	104.0268		
74.5264082	1.162283426	0.0003428	0.882752	34.13611	0.945	5.488144	4.27919422	112.8618		
76.3434098	1.3364736	0.0003692	0.82174	35.8862	1.07745	5.940921	4.92051248	116.4861		
77.8737215	1.437139814	0.0003613	0.81767	33.59898	1.18109	6.246289	5.29113661	115.8641		
87.0048006	1.683688329	0.0004156	0.77714	21.59144	1.45271	6.939034	6.19885753	113.2504		
98.4154428	1.845992796	0.000375	0.837849	25.97248	1.63203	7.625236	6.79641603	129.533		
114.045986	1.986906594	0.000419	1.080783	34.26673	1.90914	8.753959	7.31522022	154.7287		
146.661409	2.544409658	0.0004019	2.772482	49.62445	3.7658	12.76031	9.36778661	208.7615		
141.275049	2.704864438	0.0004038	2.728675	44.66571	3.52644	12.92037	9.95853509	197.863		
138.250441	2.780436106	0.0003774	2.831321	32.86272	3.24777	11.78174	10.2367683	181.518		
132.950477	3.138460932	0.0003984	2.850145	27.34724	3.21939	12.26851	11.554913	170.2197		
129.005055	3.32315067	0.000438	2.781505	26.10342	3.19793	12.96778	12.2348877	165.1444		
120.169388	3.773740888	0.0005319	3.48489	22.62567	2.93788	14.6576	13.8938316	153.7559		
120.666324	3.947701538	0.0006395	3.317443	23.18414	5.00001	15.34293	14.5343048	156.9249		
126.483335	3.668979258	0.0005861	4.077888	25.36229	4.76017	14.28972	13.5081293	165.1348		
130.166795	3.49750286	0.0005397	3.873763	26.48762	4.27614	13.63729	12.8768024	169.0628		
134.42343	3.326269487	0.0004965	3.740516	28.38978	4.19721	12.98778	12.2463702	174.8191		

5779	488935.44	3858682.82	13.55224	7.00686	18.06749	67.50743	68.25616	29.81654	7.33151	7.00686
5780	488869.17	3858848.43	14.07151	12.12161	19.46324	22.24182	89.06219	10.35242	17.6341	12.12161
5781	488932.48	3858892.69	13.74793	12.90819	19.71622	22.44543	82.89107	10.25898	18.2059	12.90819
5782	489063.27	3858977.17	13.44636	14.10561	20.81152	23.65092	69.38337	9.66394	17.6077	14.10561
5783	489248.2	3859117.15	13.45678	20.65151	32.4174	31.63302	51.71481	10.11265	21.8238	20.65151
5784	489296.25	3859049.22	11.71904	10.3761	32.74914	34.43532	48.91181	17.15903	10.3021	10.3761
5785	489353.38	3858993.96	11.33668	8.81343	17.81401	58.68058	43.64233	21.54646	8.90956	8.81343
5786	489537.24	3859120.22	11.34359	9.69493	23.88481	61.58846	34.93906	24.208	9.76641	9.69493
5787	489726.98	3859246.04	11.39158	10.80643	48.10312	65.33992	26.45472	24.90211	10.8924	10.80643
5788	489911.46	3859366.33	11.4241	12.10551	65.86669	65.79983	20.38665	24.69738	12.2165	12.10551
5789	490035.3	3859430.26	11.06686	13.2878	53.09734	50.93896	19.90514	20.80263	13.4485	13.2878
5790	490101.11	3859458.61	10.78303	13.65182	43.42978	44.15401	19.60124	20.93723	13.8599	13.65182
5791	490312.68	3859560.3	10.23355	14.96815	33.94768	43.88398	18.61376	22.09795	15.3583	14.96815
5792	490401.63	3859603.12	10.10809	15.33233	27.14947	45.26266	18.42562	20.73429	15.8229	15.33233
5793	490490.57	3859645.94	10.00761	15.44419	24.09441	46.70698	18.09964	20.53162	16.054	15.44419
5794	490579.51	3859688.76	9.92663	15.17041	21.88401	47.72959	17.6816	20.48672	15.872	15.17041
5795	490668.45	3859731.58	9.88174	13.25556	20.7801	47.81737	17.22618	20.17058	14.0334	13.25556
5796	490757.4	3859774.4	9.75678	11.57153	20.65395	49.5406	16.43975	20.37073	12.0316	11.57153
5797	491003.53	3859861.82	8.62187	11.11497	18.66707	37.54728	13.64632	16.44672	11.2785	11.11497
5798	491081.41	3859879.05	8.19761	10.25096	18.18277	44.06275	12.41058	16.12086	10.7159	10.25096
5799	491229.76	3859917.82	7.65899	9.62704	16.88626	50.23094	13.83989	19.97845	9.94248	9.62704
5800	491300.22	3859939.35	7.46223	9.41302	15.79342	48.31982	14.43521	20.80304	9.54393	9.41302
5801	491350.48	3860012.03	9.04556	12.03955	14.36589	34.92077	12.70816	28.95647	12.0933	12.03955
5802	491406.82	3860092.56	10.24281	13.59086	14.76131	25.95468	11.08015	15.88376	13.2284	13.59086
5803	491483.36	3860121.96	9.5904	12.65949	14.49955	24.97217	11.63856	15.5647	12.2687	12.65949
5804	491559.91	3860151.35	9.03073	11.70106	14.14557	24.02378	12.12669	15.16651	11.306	11.70106
5805	491711.81	3860237.76	9.36492	11.65185	15.69571	22.10568	12.89205	13.67286	10.715	11.65185
5806	491755.2	3860319.07	11.33138	12.46144	12.63633	17.54386	10.50868	11.19203	11.4419	12.46144
5807	491704.71	3860366.54	12.33416	16.16289	14.84014	15.48517	9.17343	10.18248	15.0239	16.16289
5808	491623.42	3860462.39	9.86053	20.7747	17.54884	11.60511	11.18629	7.23529	19.2823	20.7747
5809	491534.02	3860439.84	9.06771	10.72368	21.56935	12.02485	12.57796	7.55132	10.4087	10.72368
5810	491313.95	3860268.17	9.69124	14.07575	18.07706	13.36113	12.64696	8.26149	13.3859	14.07575
5811	491187.12	3860143.56	10.90616	18.51803	17.66368	17.21585	13.34997	11.39176	18.526	18.51803
5812	491070.43	3860075.97	11.33212	18.26913	17.9672	18.84293	14.19038	12.53473	16.4441	18.26913
5813	490995.09	3860039.38	11.3172	19.07293	18.34896	19.17586	14.66512	12.61514	17.071	19.07293
5814	490919.75	3860002.8	11.27052	20.1384	18.86043	19.47447	15.0929	12.61983	18.0655	20.1384
5815	490756.81	3859894.53	12.51532	30.65651	18.64172	23.76276	16.17222	16.5781	27.9438	30.65651
5816	490668.07	3859860.92	12.63472	29.75848	18.17385	22.65178	16.2067	16.76333	27.1273	29.75848
5817	490579.34	3859827.3	12.77672	30.06279	20.83651	23.66217	16.12793	16.08892	27.4214	30.06279
5818	490490.6	3859793.68	12.85143	29.18105	24.11799	21.85486	16.52199	15.89011	26.5499	29.18105
5819	490401.86	3859760.07	12.91995	28.73028	28.14662	19.61735	16.83162	15.22009	26.0191	28.73028
5820	490313.12	3859726.45	12.99053	28.92511	33.26753	18.81211	16.90705	14.53546	26.0564	28.92511
5821	490224.39	3859692.83	12.98328	29.20489	38.77041	19.55891	16.69127	13.87635	26.1034	29.20489
5822	490135.65	3859659.22	12.81716	29.3274	42.88803	19.21249	18.9048	13.30732	25.7679	29.3274
5823	489918.18	3859559.23	12.79955	26.10595	52.16746	16.82472	27.96312	11.92215	20.8315	26.10595
5824	489743.61	3859486	12.1146	20.08168	61.15319	17.45421	35.64503	10.43704	15.4469	20.08168
5825	489660.32	3859440.27	12.14121	20.01281	88.31123	18.06018	38.61516	9.82377	14.9463	20.01281
5826	489577.04	3859394.53	12.17858	20.03034	58.30569	18.19258	41.31373	9.4066	15.5157	20.03034
5827	489493.75	3859348.8	12.20019	19.87369	57.89932	17.4237	43.45288	9.03199	15.8324	19.87369
5828	489321.28	3859240.02	12.9954	23.17113	33.91964	20.16494	49.9004	8.31226	17.7999	23.17113
5829	489235.41	3859193.96	13.18663	23.17186	31.85462	36.16578	58.67374	8.43976	17.3468	23.17186
5830	489149.54	3859147.89	13.32957	22.26193	27.5908	26.10298	66.67452	8.80876	15.2696	22.26193
5831	489063.68	3859101.82	13.51799	22.01732	25.09405	20.05098	74.71774	9.13809	14.9046	22.01732
5832	488977.81	3859055.75	13.74651	21.79091	22.69846	18.68862	81.68024	9.43759	14.9519	21.79091
5833	488891.94	3859009.69	14.0069	21.00185	19.51194	18.24742	85.81707	9.74647	15.0795	21.00185
5834	488808	3859060.73	13.97527	10.41548	21.44665	15.93726	80.76985	10.65226	9.94068	10.41548
5835	488809.93	3859157.85	13.69107	6.97265	14.38581	13.61034	72.05949	12.13491	7.55518	6.97265
5836	488811.85	3859254.96	13.32337	5.77442	12.94031	12.56177	62.61038	12.98047	6.09113	5.77442
5837	488813.78	3859352.07	13.12573	5.1563	13.84493	12.62073	53.27309	17.66037	5.1326	5.1563

139.058282	3.153406948	0.0004583	3.496979	31.47635	4.12497	12.65793	11.60994	182.3584	
144.386464	5.455277998	0.0004937	1.152157	41.07106	1.43221	30.44542	20.084769	203.8583	
141.066239	5.809274915	0.0005002	1.162705	38.22525	1.41928	31.43258	21.3880841	197.7277	
137.971857	6.348168592	0.0005279	1.225151	31.99617	1.33696	30.39984	23.372136	185.9065	
138.078776	9.294122491	0.0008224	1.638635	23.8483	1.39904	37.67908	34.2182934	177.7205	
120.247986	4.669718795	0.0008308	1.783798	22.5557	2.37387	17.78668	17.1925653	152.226	
116.324626	3.96644594	0.0004519	3.039736	20.12568	2.98085	15.38245	14.6033163	147.2169	
116.395529	4.363161191	0.0006059	3.190368	16.11216	3.34906	16.86181	16.0639081	144.2088	
116.88795	4.863386944	0.0012203	3.384699	12.1996	3.44509	18.80591	17.9055959	141.6823	
117.221634	5.448032263	0.0016709	3.408523	9.401311	3.41676	21.09189	20.0580923	139.9317	
113.556028	5.980116749	0.001347	2.638709	9.179262	2.87794	23.21897	22.0170747	135.4353	
110.643674	6.143942371	0.0011017	2.287239	9.039119	2.89656	23.92926	22.6202337	132.3207	
105.005511	6.736350977	0.0008612	2.273251	8.583742	3.05714	26.51619	24.8013123	127.3717	
103.718177	6.900248606	0.0006887	2.344669	8.496981	2.86849	27.31833	25.4047363	126.2428	
102.687161	6.950590714	0.0006112	2.419487	8.346655	2.84045	27.71741	25.5900815	125.3723	
101.856233	6.827377213	0.0005551	2.472459	8.153876	2.83424	27.40322	25.1364448	124.4115	
101.395621	5.965607277	0.0005271	2.477007	7.943859	2.7905	24.22877	21.963655	122.8382	
100.113418	5.20771688	0.0005239	2.566272	7.581197	2.81819	20.77261	19.1733199	119.8866	
88.4682112	5.002244033	0.0004735	1.945002	6.293005	2.27532	19.47251	18.4168278	105.0399	
84.1149186	4.61340008	0.0004613	2.282512	5.723143	2.23024	18.50102	16.9852159	100.4805	
78.5881885	4.332607591	0.0004284	2.602033	6.38227	2.76392	17.16579	15.9514185	95.88382	
76.5692523	4.236288818	0.0004006	2.503034	6.656802	2.878	16.47769	15.5968004	93.72467	
92.8156551	5.418347251	0.0003644	1.808945	5.860373	4.00599	20.87919	19.9488006	110.8401	
105.100527	6.116507587	0.0003745	1.344489	5.109615	2.19744	22.83904	22.5192267	120.1888	
98.406208	5.697348559	0.0003678	1.293593	5.367126	2.1533	21.18205	20.9760033	113.124	
92.6634859	5.266011295	0.0003588	1.244465	5.592227	2.09821	19.51985	19.3879433	106.9967	
96.0925786	5.243864548	0.0003982	1.145105	5.945173	1.89157	18.49961	19.3064053	109.5119	
116.270243	5.608217016	0.0003206	0.908796	4.846082	1.54836	19.75461	20.6478466	128.2888	
126.559676	7.274038532	0.0003765	0.802153	4.230331	1.4087	25.93885	26.7809236	139.4332	
101.177987	9.349563616	0.0004452	0.601161	5.158562	1.00097	33.29102	34.4224117	116.1573	
93.0429342	4.826145666	0.0005472	0.622904	5.800331	1.04469	17.9708	17.7684842	105.5399	
99.4409179	6.334730228	0.0004586	0.692125	5.83215	1.14294	23.11096	23.3226598	113.2316	
111.9071	8.333959072	0.0004481	0.891805	6.156343	1.57599	31.98533	30.6832471	130.1677	
116.277836	8.221942707	0.0004558	0.97609	6.543899	1.73412	28.39082	30.2708349	131.8743	
116.124743	8.58368941	0.0004655	0.993336	6.762825	1.74524	29.47332	31.6026825	132.0809	
115.645764	9.063199562	0.0004784	1.008805	6.960096	1.74589	31.19027	33.3681014	132.2464	
128.418542	13.79682934	0.0004729	1.230944	7.457825	2.2935	48.24527	50.7959686	150.6474	
129.643694	13.39267483	0.000461	1.173394	7.473726	2.31912	46.83547	49.3079876	151.5306	
131.100743	13.52962823	0.0005286	1.225733	7.437401	2.22582	47.34339	49.8122107	153.051	
131.867335	13.13280497	0.0006118	1.132112	7.619122	2.19832	45.83872	48.3512213	153.4378	
132.570413	12.92993788	0.000714	1.016206	7.761908	2.10562	44.92227	47.6043229	153.7028	
133.294628	13.01762028	0.0008439	0.974494	7.796692	2.01091	44.98666	47.9271443	154.1547	
133.220236	13.14353406	0.0009835	1.013179	7.697185	1.91973	45.06775	48.3907227	153.6719	
131.515694	13.19866915	0.001088	0.995234	8.717955	1.841	44.48849	48.5937143	152.1644	
131.335	11.74886955	0.0013234	0.871544	12.8952	1.64937	35.96586	43.255968	151.2112	
124.306791	9.037672972	0.0015513	0.904152	16.43772	1.44391	26.66916	33.2741198	145.5268	
124.579834	9.006678327	0.0022403	0.935543	17.80739	1.35907	25.80489	33.1600064	146.3356	
124.963284	9.014567627	0.0014791	0.942401	19.05184	1.30136	26.78803	33.1890526	148.8739	
125.185022	8.944067974	0.0014688	0.902572	20.03831	1.24953	27.33473	32.9294931	150.7262	
133.344598	10.42806654	0.0008605	1.044572	23.01159	1.14996	30.73169	38.3931502	161.3182	
135.306792	10.42839508	0.0008081	1.873438	27.05742	1.1676	29.94944	38.3943597	167.3895	
136.773486	10.01888503	0.0006999	1.352171	30.74698	1.21865	26.36317	36.8866612	169.5874	
138.706846	9.908799357	0.0006366	1.038669	34.45611	1.26421	25.73286	36.4813573	174.6268	
141.051669	9.806904519	0.0005758	0.968097	37.66687	1.30564	25.81464	36.1062097	180.5082	
143.723506	9.451791489	0.000495	0.945242	39.57457	1.34838	26.03488	34.7987854	186.2801	
143.398954	4.687441593	0.0005441	0.825572	37.24705	1.47369	17.16268	17.2578155	187.5381	
140.482804	3.138010886	0.0003649	0.705035	33.23026	1.67881	13.04409	11.5532561	180.7261	
136.709868	2.598752672	0.0003283	0.650717	28.8728	1.79578	10.5164	9.567862	171.5768	
134.681902	2.320570447	0.0003512	0.653771	24.5669	2.44323	8.861486	8.54367483	164.9845	

5838	488815.71	3859449.19	13.8578	4.96279	14.43916	12.45509	44.73679	16.19865	4.96752	4.96279
5839	488910.04	3859547.1	11.63564	4.61752	21.42988	13.12034	47.24476	12.93665	4.62822	4.61752
5840	489002.45	3859547.91	11.21349	4.9687	24.85472	14.99495	56.44384	14.08706	5.00202	4.9687
5841	489094.85	3859548.71	10.88529	5.37786	28.19919	19.35333	63.03742	14.17275	5.80668	5.37786
5842	489230.05	3859601.87	10.63524	5.363	32.85584	35.54922	63.92505	12.71005	6.45453	5.363
5843	489227.52	3859680.89	11.51765	4.31326	26.62964	37.11616	61.10098	11.93477	5.66066	4.31326
5844	489133.47	3859760.29	12.0088	3.77762	22.38647	22.56491	52.01361	9.76608	4.39449	3.77762
5845	489041.96	3859760.67	12.64369	3.65742	21.76869	16.46354	44.24815	9.27293	3.89804	3.65742
5846	488950.45	3859761.05	14.57596	3.52073	20.8383	13.58975	35.26421	8.35392	3.49121	3.52073
5847	488858.94	3859761.43	15.85816	3.31697	21.33831	11.80776	26.40441	7.37244	3.20758	3.31697
5848	488767.43	3859761.82	16.43713	3.06042	19.0343	10.44411	18.87541	8.84563	3.03979	3.06042
5849	488675.92	3859762.2	16.95481	2.99457	17.37077	9.4446	24.91761	9.82283	2.90543	2.99457
5850	488584.41	3859762.58	17.42085	3.0406	15.73305	8.66523	28.91772	10.74331	2.76862	3.0406
5851	488492.9	3859762.96	17.86866	3.12409	15.36095	8.17968	30.096	12.45828	2.65548	3.12409
5852	488402.76	3859830.95	18.53522	3.24786	13.81512	7.70583	27.51431	19.9408	2.99563	3.24786
5853	488404.14	3859898.55	18.83296	3.62322	13.03238	7.45563	26.34025	19.3436	3.61797	3.62322
5854	488505.18	3859964.96	16.56733	4.045	13.6613	8.15116	27.7358	11.71569	4.04228	4.045
5855	488604.84	3859963.76	15.47699	3.75804	14.22608	8.94303	27.60073	10.01433	3.75317	3.75804
5856	488704.51	3859962.56	14.97758	3.47183	15.08023	9.90388	24.47237	9.07177	3.46488	3.47183
5857	488804.18	3859961.37	14.51193	3.19678	15.41743	11.0841	19.01113	8.4467	3.18887	3.19678
5858	488903.85	3859960.17	14.0051	3.03369	17.25998	12.5968	19.62684	7.68928	3.04267	3.03369
5859	489003.52	3859958.97	13.23878	3.14458	14.42894	14.77236	27.78436	6.47671	3.15755	3.14458
5860	489103.18	3859957.77	11.93113	3.25909	16.10339	19.09932	36.55262	6.27031	3.31747	3.25909
5861	489201.48	3860046.59	11.38849	3.12061	17.05217	62.41109	39.36677	5.52222	3.35161	3.12061
5862	489200.11	3860136.61	12.97891	3.97604	17.97471	60.67231	33.92201	5.5049	3.97066	3.97604
5863	489198.74	3860226.63	14.24208	5.14893	16.97296	61.795	28.88222	5.72964	5.1534	5.14893
5864	489197.38	3860316.66	15.24792	6.04241	17.27688	59.49552	24.25017	6.05852	6.06281	6.04241
5865	489196.01	3860406.68	16.08167	6.11961	16.21199	57.98903	20.20607	6.21387	6.1582	6.11961
5866	489194.64	3860496.7	16.78949	5.2614	13.65777	55.082	16.56778	6.22516	5.3116	5.2614
5867	489193.27	3860586.72	17.4422	4.61815	13.61885	54.49416	13.54477	6.1902	4.62592	4.61815
5868	489092.02	3860678.13	18.70583	4.7429	11.92866	18.55677	11.5298	6.33302	4.77558	4.7429
5869	488992.13	3860679.53	19.33287	4.58724	12.72721	12.24766	15.82229	7.10863	4.622	4.58724
5870	488892.24	3860680.92	20.05949	4.40086	11.47766	8.8241	19.53041	8.16709	4.438	4.40086
5871	488792.36	3860682.31	20.77174	4.2042	9.85854	7.87518	21.7336	9.5691	4.2414	4.2042
5872	488692.48	3860683.7	21.33843	3.98694	9.62155	7.47585	22.07964	11.62159	4.02445	3.98694
5873	488592.59	3860685.09	21.7028	3.78089	9.28174	7.26536	20.51086	14.58164	3.8173	3.78089
5874	488492.71	3860686.49	21.97406	3.54233	9.18396	7.19812	17.895	20.39099	3.56931	3.54233
5875	488299.07	3860762.18	22.15361	3.76807	8.88873	6.84715	11.24593	13.65234	3.77672	3.76807
5876	488205.32	3860764.09	21.65852	3.79827	9.69922	6.71928	9.11923	13.90132	3.80861	3.79827
5877	488111.56	3860766	20.81629	3.81926	9.12362	6.51604	9.66406	14.33787	3.83143	3.81926
5878	488017.81	3860767.91	19.58212	3.8008	8.37847	6.26881	9.58018	18.46588	3.81287	3.8008
5879	487924.06	3860769.81	17.25501	3.75149	7.42451	5.98515	10.10336	13.76168	3.76485	3.75149
5880	487830.31	3860771.72	12.67384	3.695	7.94853	5.68109	11.79992	12.57846	3.70958	3.695
5881	487736.55	3860773.63	10.2159	3.64173	7.8721	5.38829	15.14146	10.01963	3.65644	3.64173
5882	487642.8	3860775.54	9.22574	3.60346	7.30119	5.13362	19.92917	10.45446	3.61817	3.60346
5883	487549.48	3860684.71	9.05705	3.51691	6.24393	4.84602	24.01323	10.89661	3.52394	3.51691
5884	487549.91	3860591.97	9.70906	3.21149	5.73439	4.77874	24.39637	10.78761	3.20682	3.21149
5885	487550.34	3860499.23	10.47905	3.17928	7.24568	4.83968	24.8697	11.15913	3.20337	3.17928
5886	487550.76	3860406.49	11.34428	3.59758	8.46595	5.1923	25.36539	11.23957	3.61719	3.59758
5887	487551.19	3860313.75	12.26009	3.62106	8.24437	5.48286	25.75422	10.58223	3.62992	3.62106
5888	487551.62	3860221.01	13.23433	3.27077	7.21785	5.68762	26.14939	14.51614	3.27062	3.27077
5889	487552.05	3860128.27	14.25642	4.25747	7.57823	5.86086	26.65545	14.1953	4.29487	4.25747
5890	487552.48	3860035.53	15.32965	5.02371	9.73599	5.98222	27.0757	11.6125	5.05729	5.02371
5891	487552.91	3859942.79	16.3026	5.28474	8.6347	6.00233	27.24643	11.55006	5.30886	5.28474
5892	487553.33	3859850.05	17.31588	4.97654	9.29182	5.98798	27.61894	11.83701	4.98896	4.97654
5893	487553.76	3859757.31	18.35493	4.28995	9.13935	5.67983	27.80497	12.096	4.29313	4.28995
5894	487554.19	3859664.57	19.5566	3.49553	9.5083	6.39486	27.94729	12.77141	3.48764	3.49553
5895	487460.2	3859571.05	20.67102	3.53942	8.83228	7.48809	26.48841	13.99112	2.95869	3.53942
5896	487365.78	3859570.27	20.69583	3.3823	10.20661	7.63569	23.83775	17.10416	3.12985	3.3823

142.193605	2.233482111	0.0003663	0.645191	20.63039	2.241	8.576474	8.22304055	168.2975
119.392227	2.078094846	0.0005436	0.679652	21.78694	1.78972	7.990669	7.65094921	146.0669
115.060584	2.236141881	0.0006305	0.776759	26.0291	1.94888	8.636038	8.23283306	146.4553
111.692955	2.420282564	0.0007154	1.00253	29.06973	1.96073	10.02529	8.91078625	147.2614
109.127215	2.413594886	0.0008335	1.841499	29.47906	1.75837	11.14381	8.88616413	146.8782
118.181542	1.941163953	0.0006755	1.922669	28.17674	1.65112	9.773187	7.14680893	154.5003
123.221187	1.700101494	0.0005679	1.168894	23.98609	1.35109	7.587132	6.2592861	152.7558
129.735735	1.646006005	0.0005522	0.852834	20.40505	1.28286	6.730006	6.06012202	154.5929
149.562578	1.584489264	0.0005286	0.703968	16.2621	1.15572	6.027609	5.83363503	169.4634
162.719114	1.49278796	0.0005413	0.611658	12.1764	1.01994	5.537919	5.49601712	178.0623
168.659872	1.377328745	0.0004829	0.541019	8.704402	1.22375	5.248228	5.07092941	180.6842
173.971738	1.347693238	0.0004407	0.489243	11.49076	1.35894	5.016254	4.96181997	188.7133
178.753732	1.36840884	0.0003991	0.448871	13.33542	1.48628	4.78005	5.03808888	195.1351
183.348669	1.405983153	0.0003897	0.423719	13.87878	1.72354	4.584713	5.17642672	200.1894
190.188179	1.461685304	0.0003505	0.399173	12.68823	2.75871	5.171986	5.38150607	207.2868
193.243262	1.630614444	0.0003306	0.386212	12.14682	2.67609	6.246462	6.00345471	210.3263
169.995842	1.820434703	0.0003466	0.422241	12.79037	1.62081	6.979037	6.70231846	186.9268
158.807964	1.6912896	0.0003609	0.463261	12.72809	1.38543	6.479886	6.22684323	175.3294
153.683564	1.562482031	0.0003826	0.513035	11.28544	1.25503	5.98215	5.75261071	168.5295
148.905572	1.438696972	0.0003911	0.574172	8.766989	1.16856	5.505616	5.29686962	161.0631
143.705037	1.365299025	0.0004378	0.652532	9.050924	1.06377	5.253201	5.02663943	156.0646
135.841898	1.415204588	0.000366	0.765229	12.81277	0.89602	5.451542	5.2103774	151.9727
122.424222	1.466739317	0.0004085	0.989371	16.85625	0.86747	5.727646	5.40011349	142.932
116.856243	1.404416994	0.0004326	3.232982	18.154	0.76397	5.786589	5.17066057	141.028
133.175396	1.789399554	0.000456	3.14291	15.64315	0.76158	6.855385	6.58805594	154.7802
146.136667	2.317253611	0.0004306	3.201067	13.31905	0.79267	8.897397	8.53146319	166.1331
156.457498	2.719360409	0.0004383	3.081951	11.18297	0.83817	10.4675	10.0119051	174.736
165.01253	2.754103934	0.0004113	3.003913	9.318036	0.85966	10.63219	10.1398208	181.441
172.275405	2.367870247	0.0003465	2.853324	7.640238	0.86122	9.170531	8.71781912	186.4511
178.972802	2.078378374	0.0003455	2.822874	6.246176	0.85638	7.986698	7.65199308	191.3117
191.938793	2.134521571	0.0003026	0.961267	5.316971	0.87614	8.245087	7.85869623	201.6144
198.372792	2.064467463	0.0003229	0.634446	7.296455	0.98344	7.97993	7.60077709	209.7311
205.828573	1.980587953	0.0002912	0.457101	9.006456	1.12988	7.662252	7.29195679	218.7732
213.136904	1.892081973	0.0002501	0.407945	10.02246	1.32384	7.32282	6.96610316	227.1402
218.951658	1.794305052	0.0002441	0.387259	10.18203	1.60779	6.948254	6.60611658	233.2654
222.690425	1.701573143	0.0002355	0.376356	9.45859	2.0173	6.590607	6.26470429	236.5704
225.473799	1.59421025	0.000233	0.372873	8.252286	2.82099	6.16245	5.86942491	238.8074
227.316145	1.695803558	0.0002255	0.354692	5.186065	1.88873	6.520545	6.24346233	236.7187
222.236072	1.709394937	0.000246	0.348068	4.205336	1.92318	6.575604	6.29350189	230.7044
213.594028	1.718841395	0.0002314	0.33754	4.456585	1.98357	6.615003	6.32828104	222.3775
200.930323	1.710533553	0.0002125	0.324733	4.417903	2.55466	6.582959	6.29769395	210.2236
177.052063	1.688341801	0.0001883	0.310039	4.659168	1.90386	6.500052	6.21599028	185.8977
130.045101	1.662918721	0.0002016	0.294288	5.441537	1.74017	6.404627	6.12238979	139.4665
104.824406	1.638944789	0.0001997	0.279121	6.98249	1.38617	6.312881	6.03412465	115.3901
94.6644655	1.621721542	0.0001852	0.265929	9.190344	1.44632	6.246807	5.97071359	107.4651
92.933553	1.582770089	0.0001584	0.251031	11.07371	1.50749	6.084118	5.82730552	107.6055
99.6237673	1.445317143	0.0001455	0.247545	11.25039	1.49241	5.536607	5.32124319	114.2749
107.524564	1.430821173	0.0001838	0.250702	11.46867	1.54381	5.530651	5.26787319	122.4815
116.402609	1.619075273	0.0002148	0.268968	11.69726	1.55494	6.245115	5.96097079	131.8272
125.79965	1.629642345	0.0002091	0.28402	11.87657	1.464	6.267094	5.99987572	141.3213
135.796237	1.47199585	0.0001831	0.294627	12.0588	2.00824	5.646759	5.41946654	151.8574
146.283808	1.916055905	0.0001922	0.303601	12.29217	1.96385	7.415137	7.0543683	163.1204
157.296122	2.260898893	0.000247	0.309887	12.48597	1.60653	8.731462	8.32398128	174.3671
167.279472	2.378374312	0.000219	0.310929	12.5647	1.59789	9.165801	8.75649208	184.5409
177.676644	2.239670239	0.0002357	0.310186	12.73648	1.63759	8.61349	8.24582347	194.9685
188.33824	1.930673388	0.0002318	0.294223	12.82227	1.67342	7.412132	7.10818568	205.363
200.668465	1.573148113	0.0002412	0.331263	12.8879	1.76686	6.021446	5.79188016	217.4574
212.103426	1.592900617	0.0002241	0.387894	12.21514	1.9356	5.108208	5.86460322	227.4788
212.357999	1.522189443	0.0002589	0.395539	10.99279	2.36628	5.403718	5.60426495	227.4345

5897	487271.36	3859569.48	20.4438	3.31026	9.94683	7.733	20.694	14.81105	3.3085	3.31026
5898	487176.94	3859568.7	19.50461	3.49154	12.43307	7.77744	18.19272	16.87352	3.49013	3.49154
5899	487082.51	3859567.92	17.5318	3.66939	10.00185	7.77409	18.28493	14.26037	3.66878	3.66939
5900	486988.09	3859567.14	15.01973	3.84315	8.23809	7.6814	17.58752	13.80897	3.84408	3.84315
5901	486893.67	3859566.36	12.47079	4.00913	11.91975	7.4986	17.3725	13.35892	4.01158	4.00913
5902	486799.25	3859565.58	10.09821	4.16438	13.82579	7.21722	17.80294	12.19971	4.16833	4.16438
5903	486704.83	3859564.79	8.71928	4.30423	10.59514	6.8561	17.63356	10.94885	4.31029	4.30423
5904	486610.41	3859564.01	8.32369	4.42619	13.10936	6.43498	16.89888	9.84176	4.43388	4.42619
5905	486515.99	3859563.23	8.16057	4.53144	11.5128	5.94858	16.63304	8.86831	4.54173	4.53144
5906	486421.57	3859562.45	8.02546	4.6118	12.26242	5.46987	17.23327	8.10857	4.62392	4.6118
5907	486327.14	3859561.67	7.88653	4.66588	12.07087	5.01777	17.43623	7.5175	4.68036	4.66588
5908	486232.72	3859560.89	7.70958	4.69929	9.63878	4.6252	17.15254	6.99501	4.7156	4.69929
5909	486138.3	3859560.1	7.50742	4.70595	9.62671	4.78054	16.45773	6.57615	4.72413	4.70595
5910	486043.88	3859559.32	7.26797	4.68846	9.09845	4.9022	15.98643	6.22002	4.70845	4.68846
5911	485949.35	3859463.54	7.29829	4.54449	10.24342	5.44013	21.29346	5.86875	4.55807	4.54449
5912	485949.24	3859368.55	7.60267	4.1266	9.39306	5.38725	23.97322	6.92594	4.13298	4.1266
5913	485949.12	3859273.55	7.90341	3.54336	11.62559	5.37836	26.30283	8.56783	3.54523	3.54336
5914	485949.01	3859178.56	8.19584	2.96016	12.43331	6.07785	28.15874	8.86988	2.96095	2.96016
5915	485948.9	3859083.56	8.49744	2.49565	11.9935	6.47822	29.63683	7.8089	2.49829	2.49565
5916	485948.79	3858988.56	8.78802	2.43587	12.34277	6.34023	30.51789	8.02638	2.23293	2.43587
5917	485948.67	3858893.57	9.07988	2.56046	12.56845	5.72421	30.86128	8.30051	2.17594	2.56046
5918	485948.56	3858798.57	9.39428	2.66628	12.00433	5.49568	30.81382	9.20781	2.29404	2.66628
5919	485948.45	3858703.58	9.68575	2.72907	15.00728	5.23213	29.86177	9.97886	2.47026	2.72907
5920	485948.34	3858608.58	10.00627	2.77496	13.55268	4.76149	28.46231	10.60366	2.59569	2.77496
5921	485948.22	3858513.59	10.33383	2.79533	14.97339	5.16619	26.37208	11.38825	2.57031	2.79533
5922	485948.11	3858418.59	10.66927	2.79201	16.76513	5.03499	24.80005	12.51019	2.38932	2.79201
5923	485948	3858323.59	11.04843	3.02671	17.75136	4.59845	25.30688	13.04466	2.35952	3.02671
5924	485947.89	3858228.6	11.49429	3.47701	17.1431	4.82758	28.74146	14.56795	2.46752	3.47701
5925	485947.77	3858133.6	12.16568	3.95197	14.27332	4.74102	32.17115	14.77911	2.56678	3.95197
5926	485947.66	3858038.61	13.51922	4.48398	8.13846	4.87002	34.99878	16.90884	2.91398	4.48398
5927	485854.54	3857943.35	13.10424	4.51564	10.08407	5.12468	36.29989	17.42607	3.03571	4.51564
5928	485761.52	3857943.09	12.64809	4.00122	9.65768	4.96182	35.62467	15.73788	2.88072	4.00122
5929	485668.51	3857942.83	12.62038	3.46617	9.52458	4.82266	34.87975	14.44923	2.73001	3.46617
5930	485575.5	3857942.56	12.52535	3.27084	9.46957	4.67009	33.81613	13.37324	2.56524	3.27084
5931	485482.48	3857942.3	12.33257	3.34115	8.7219	4.53985	32.61438	12.50773	2.41841	3.34115
5932	485389.47	3857942.04	12.02544	3.31629	8.30971	4.41202	31.12805	11.7726	2.37292	3.31629
5933	485296.46	3857941.78	11.66824	3.17564	7.94919	4.28964	29.91394	11.14305	2.32843	3.17564
5934	485203.45	3857941.52	11.36183	3.07994	7.49538	4.18244	30.4137	10.59816	2.29297	3.07994
5935	485110.43	3857941.26	11.10779	3.06812	8.16247	4.06632	30.73206	10.11562	2.24618	3.06812
5936	485017.42	3857940.99	10.86608	2.9464	9.10243	3.95061	30.9469	9.68563	2.19129	2.9464
5937	484924.41	3857940.73	10.59186	2.71493	7.58028	3.94768	31.13295	9.29596	2.13036	2.71493
5938	484831.39	3857940.47	10.26294	2.39375	6.03241	4.05457	31.35115	8.94155	2.06844	2.39375
5939	484738.12	3857859.3	10.43502	2.39477	8.37327	3.89281	34.68645	8.81054	2.10555	2.39477
5940	484737.85	3857778.4	11.02971	2.50955	10.28027	4.08391	37.09365	8.58406	2.1768	2.50955
5941	484737.59	3857697.49	11.64122	2.71538	10.58884	4.30529	38.28154	8.3908	2.20918	2.71538
5942	484737.32	3857616.59	12.28291	2.94847	10.00023	4.42404	37.86075	8.27264	2.27429	2.94847
5943	484645.53	3857535.18	12.71583	2.83016	10.11927	4.3453	34.1359	7.3933	2.3768	2.83016
5944	484553.99	3857534.67	12.39485	2.65046	10.08565	4.27427	32.54776	7.3873	2.2457	2.65046
5945	484462.46	3857534.17	12.00937	2.57328	12.23714	4.21124	31.08036	7.32899	2.13532	2.57328
5946	484370.93	3857533.66	11.50576	2.4989	9.88331	4.14333	29.57908	7.23777	2.12052	2.4989
5947	484279.4	3857533.16	10.76104	2.42958	8.8534	4.07656	28.1253	7.16886	2.10324	2.42958
5948	484187.86	3857532.65	9.48704	2.36308	11.95563	4.00592	26.65746	7.06421	2.08045	2.36308
5949	484096.33	3857532.15	7.46728	2.36223	13.68678	3.94051	25.29872	7.01222	2.05582	2.36223
5950	484004.8	3857531.64	5.93869	2.36029	10.79822	3.86774	23.88088	6.85854	2.02067	2.36029
5951	483913.27	3857531.14	5.58063	2.4003	12.73714	3.78883	22.42651	6.85643	1.97324	2.4003
5952	483821.73	3857530.63	5.65694	2.44226	11.57571	3.71782	21.35893	6.86081	1.92272	2.44226
5953	483729.61	3857450.11	6.35532	2.41754	12.67054	3.70014	19.66044	6.72628	1.94801	2.41754
5954	483729.03	3857370.08	6.82117	2.52982	13.1498	3.67544	17.76101	6.28495	1.98891	2.52982
5955	483728.44	3857290.06	7.20852	2.63185	11.68148	3.56488	16.18055	5.51275	1.98113	2.63185

209.771942	1.489768153	0.0002523	0.40058	9.543046	2.04904	5.712159	5.48489906	223.4819		
200.135001	1.571352431	0.0003154	0.402882	8.389579	2.33437	6.025745	5.78526897	213.074		
179.892179	1.651393052	0.0002537	0.402709	8.432102	1.97285	6.334186	6.07995558	192.6057		
154.116061	1.729592986	0.000209	0.397907	8.110491	1.9104	6.636843	6.36786531	166.5336		
127.961624	1.804291565	0.0003024	0.388438	8.011335	1.84814	6.926034	6.64288406	140.2973		
103.616799	1.874161154	0.0003507	0.373862	8.209832	1.68777	7.196664	6.90012385	116.0593		
89.4677262	1.93710004	0.0002688	0.355156	8.131723	1.51472	7.441759	7.13184677	101.7166		
85.4086138	1.991987609	0.0003326	0.333341	7.792925	1.36156	7.655139	7.33392706	97.20997		
83.7348545	2.039354915	0.0002921	0.308145	7.670332	1.22689	7.841343	7.50831989	95.31289		
82.3485033	2.075520584	0.0003111	0.283347	7.947129	1.12178	7.983245	7.64147152	94.11836		
80.9229554	2.099859054	0.0003062	0.259927	8.040724	1.04001	8.080689	7.73107878	92.71339		
79.1072878	2.114895079	0.0002445	0.239592	7.9099	0.96773	8.141531	7.78643711	90.69474		
77.0329428	2.117892384	0.0002442	0.247639	7.589488	0.90978	8.156258	7.79747233	88.25677		
74.5759684	2.110021085	0.0002308	0.253941	7.372148	0.86051	8.129187	7.76849246	85.53351		
74.8870791	2.045228011	0.0002599	0.281806	9.819487	0.81191	7.869554	7.52994295	88.18538		
78.0102942	1.857158429	0.0002383	0.279067	11.05526	0.95817	7.135632	6.83752469	92.45829		
81.0961595	1.594673797	0.0002949	0.278607	12.12956	1.18532	6.120876	5.87113156	96.53436		
84.0967567	1.332207167	0.0003154	0.314841	12.98541	1.2271	5.11211	4.9048047	100.1639		
87.1914465	1.123156457	0.0003042	0.335581	13.66703	1.08032	4.313323	4.13513994	103.576		
90.173061	1.096252727	0.0003131	0.328433	14.07334	1.11041	3.855176	4.03608813	106.6009		
93.1678095	1.152323916	0.0003188	0.296522	14.23169	1.14833	3.756782	4.24252616	109.5113		
96.3938388	1.199947748	0.0003045	0.284684	14.2098	1.27386	3.960683	4.41786345	112.9053		
99.3845856	1.228206115	0.0003807	0.271032	13.77077	1.38053	4.264929	4.52190266	115.7785		
102.673412	1.248858711	0.0003438	0.246652	13.1254	1.46696	4.481485	4.59793959	118.6452		
106.034475	1.258026141	0.0003798	0.267616	12.16149	1.57551	4.437666	4.63169144	121.1035		
109.476393	1.256531989	0.0004253	0.26082	11.43655	1.73072	4.125185	4.6261904	123.6604		
113.366919	1.362157706	0.0004503	0.238206	11.67028	1.80466	4.073735	5.015074	127.5013		
117.941847	1.564813268	0.0004349	0.250075	13.25413	2.0154	4.260198	5.76119365	133.5257		
124.830918	1.778566955	0.0003621	0.245591	14.83574	2.04462	4.431572	6.54817342	141.6192		
138.719467	2.017995748	0.0002065	0.252274	16.1397	2.33926	5.031016	7.42968157	157.0702		
134.461395	2.032244194	0.0002558	0.265466	16.73971	2.41081	5.241184	7.48214026	153.6689		
129.780882	1.800731704	0.000245	0.257029	16.42833	2.17726	4.973592	6.62977767	148.7883		
129.496553	1.559934773	0.0002416	0.249821	16.08481	1.99898	4.71339	5.74323243	148.3605		
128.521459	1.472027353	0.0002402	0.241917	15.59432	1.85012	4.428913	5.41958253	146.6894		
126.543361	1.503670064	0.0002213	0.235171	15.04013	1.73038	4.175409	5.53608191	143.6923		
123.391928	1.492481929	0.0002108	0.228549	14.35471	1.62868	4.09687	5.49489041	139.6985		
119.726732	1.429183006	0.0002017	0.222209	13.79482	1.54159	4.020058	5.26184193	135.473		
116.582688	1.386113637	0.0001901	0.216656	14.02529	1.4662	3.958836	5.10327286	132.5327		
113.976007	1.380794097	0.0002071	0.210641	14.1721	1.39945	3.878053	5.08368784	129.9336		
111.495843	1.326014539	0.0002309	0.204647	14.27117	1.33996	3.783284	4.88200522	127.5391		
108.682097	1.221842469	0.0001923	0.204495	14.35697	1.28605	3.678088	4.49847354	124.9313		
105.307079	1.077296804	0.000153	0.210032	14.45759	1.23702	3.571183	3.96629785	121.8941		
107.072776	1.07775585	0.0002124	0.201653	15.99567	1.2189	3.635253	3.96798793	125.2342		
113.174835	1.129412091	0.0002608	0.211552	17.10575	1.18756	3.758267	4.1581714	132.4095		
119.449482	1.22204499	0.0002686	0.22302	17.65355	1.16083	3.814172	4.49921916	139.0241		
126.033804	1.326946133	0.0002537	0.229171	17.4595	1.14448	3.926585	4.88543508	145.2353		
130.475956	1.273701231	0.0002567	0.225093	15.74178	1.02283	4.103569	4.68940262	148.1538		
127.18241	1.192828026	0.0002559	0.221413	15.00941	1.022	3.877224	4.39165068	144.1139		
123.227036	1.158093501	0.0003104	0.218148	14.33272	1.01393	3.686652	4.26376812	139.3731		
118.05954	1.124619105	0.0002507	0.21463	13.6404	1.00131	3.661099	4.14052499	133.5613		
110.418037	1.09342194	0.0002246	0.211171	12.96999	0.99178	3.631265	4.02566598	125.2902		
97.3456406	1.063493903	0.0003033	0.207512	12.2931	0.9773	3.591918	3.91547953	111.5638		
76.6210699	1.063111364	0.0003472	0.204124	11.66651	0.97011	3.549394	3.91407113	90.1606		
60.9363492	1.062238276	0.0002739	0.200354	11.01268	0.94885	3.488707	3.91085667	73.73859		
57.2623286	1.080244603	0.0003231	0.196267	10.34199	0.94855	3.406819	3.9771508	69.25938		
58.0453385	1.099128519	0.0002937	0.192588	9.849678	0.94916	3.319596	4.04667597	69.40911		
65.2113511	1.08800339	0.0003214	0.191672	9.066419	0.93055	3.363259	4.00571643	75.84586		
69.9913949	1.138534517	0.0003336	0.190393	8.190496	0.86949	3.433873	4.19175755	79.62276		
73.9659575	1.184452676	0.0002963	0.184666	7.461666	0.76266	3.420441	4.36081504	82.61933		

5956	483727.86	3857210.03	9.25108	2.72676	12.77299	3.39967	18.45562	5.03216	2.01405	2.72676
5957	483641.15	3857129.07	9.91973	2.69891	11.46592	3.37394	19.85201	5.0117	2.10966	2.69891
5958	483555.03	3857128.14	9.49227	2.3818	11.29565	3.34615	19.52386	4.89944	2.00733	2.3818
5959	483468.91	3857127.2	9.10967	2.33069	12.03365	3.2944	19.07598	4.6805	1.89307	2.33069
5960	483382.78	3857126.26	8.77107	2.33278	12.99176	3.2966	18.83755	4.65668	1.89715	2.33278
5961	483296.66	3857125.32	8.46793	2.33512	12.02276	3.28303	18.51415	4.86683	1.89511	2.33512
5962	483210.54	3857124.39	8.19459	2.33693	10.95182	3.26555	18.16114	5.07652	1.88762	2.33693
5963	483123.4	3857030.96	8.32212	2.30538	10.78205	3.33597	18.6182	4.39409	1.84778	2.30538
5964	483122.38	3856938.46	8.61724	2.21502	10.9669	3.54075	18.36693	4.43404	1.94098	2.21502
5965	483121.35	3856845.97	8.73821	2.27969	11.94414	3.82018	21.78528	4.83699	2.11894	2.27969
5966	483120.33	3856753.47	8.80664	2.48406	13.98122	4.05612	24.23012	4.87879	2.20446	2.48406
5967	483119.31	3856660.98	8.88045	2.65921	12.75484	4.2054	25.40093	4.98751	2.20871	2.65921
5968	483118.29	3856568.49	8.89478	2.81022	13.47533	4.22355	25.48063	4.97185	2.14144	2.81022
5969	483117.26	3856475.99	8.91806	2.94407	15.05152	4.09053	25.01967	4.54896	2.0163	2.94407
5970	483116.24	3856383.5	9.24251	3.028	15.80137	3.82636	22.73906	4.08424	1.85544	3.028
5971	483115.22	3856291.01	9.61976	3.01134	14.68115	3.51731	21.4287	4.09418	1.68144	3.01134
5972	483114.2	3856198.51	9.9414	2.85318	14.36383	3.21283	22.28535	4.8143	1.5163	2.85318
5973	483113.17	3856106.02	9.99357	2.63942	13.58515	2.99144	24.84461	5.03645	1.36567	2.63942
5974	483112.15	3856013.52	9.79221	2.525	13.68505	2.81754	25.10556	4.87693	1.47804	2.525
5975	483029.25	3855920.47	9.63564	2.89658	14.0899	2.73455	23.51923	5.4049	1.65587	2.89658
5976	482947.37	3855919.91	9.51998	2.46812	18.46676	2.75702	23.9418	4.63193	1.46551	2.46812
5977	482865.49	3855919.36	9.1179	2.35943	13.98893	2.77756	24.20577	4.67675	1.29385	2.35943
5978	482783.61	3855918.8	8.67722	2.39582	16.21303	2.81212	24.45144	4.63766	1.29446	2.39582
5979	482700.33	3855818.39	8.84794	2.50632	17.93245	2.71564	22.3795	4.48003	1.44402	2.50632
5980	482698.92	3855718.54	9.9185	2.96388	16.5271	2.65301	18.17547	4.88758	1.67631	2.96388
5981	482697.52	3855618.68	9.71346	3.77355	19.01845	2.62225	12.95309	6.15104	2.01829	3.77355
5982	482696.11	3855518.83	9.74719	4.4862	16.24362	2.64015	11.37807	7.05962	2.3303	4.4862
5983	482694.71	3855418.98	9.97176	4.82205	19.77577	2.66682	11.41861	7.50182	2.49982	4.82205
5984	482693.3	3855319.13	10.11997	4.90185	21.16335	2.70312	12.33284	7.73525	2.55639	4.90185
5985	482691.9	3855219.27	10.2262	4.82327	26.911	2.80906	12.24661	7.80631	2.53201	4.82327
5986	482690.49	3855119.42	10.2795	6.00891	31.71725	2.97216	13.18603	6.99997	2.39352	6.00891
5987	482689.09	3855019.57	10.33446	7.84191	30.10971	3.12488	13.08638	8.35005	2.22613	7.84191
5988	482687.68	3854919.71	10.33311	8.92681	20.20665	3.08667	11.84702	11.11388	2.81954	8.92681
5989	482686.28	3854819.86	10.31729	9.43035	18.10765	3.20854	9.87017	15.44556	3.382	9.43035
5990	482684.88	3854720.01	10.228	9.77229	31.16901	3.82286	9.54263	16.09318	3.73611	9.77229
5991	482683.47	3854620.16	10.12862	10.50769	31.50488	4.47668	11.52881	18.48062	3.97279	10.50769
5992	482682.07	3854520.31	9.95512	9.88573	33.15881	4.88537	12.79734	21.86005	3.98773	9.88573
5993	482680.66	3854420.45	9.7287	10.49745	34.7066	5.11715	13.13522	21.06084	3.89295	10.49745
5994	482679.26	3854320.6	9.45084	9.94935	18.55358	5.21279	12.48724	21.52694	3.76802	9.94935
5995	482677.85	3854220.75	9.87953	14.2507	7.90886	5.36186	13.96293	23.29082	4.19217	14.2507
5996	482676.45	3854120.9	10.19425	11.91819	6.41896	5.43523	15.88212	22.77543	4.78992	11.91819
5997	482675.04	3854021.04	10.50135	12.50599	8.30467	5.93711	16.97671	25.15045	5.06461	12.50599
5998	482673.64	3853921.19	10.76233	11.80676	9.73956	7.01356	17.01087	19.55553	7.00302	11.80676
5999	482672.23	3853821.34	11.02241	10.69738	9.50104	10.44012	16.14478	12.08513	12.753	10.69738
6000	482670.83	3853721.48	11.24148	9.97689	7.90069	16.71606	14.45143	12.00889	11.3174	9.97689
6001	482669.42	3853621.63	11.40487	9.60882	6.10957	16.22469	12.2172	9.6234	8.55372	9.60882
6002	482645.99	3853446.13	11.44381	9.26008	7.01022	10.91229	8.32344	6.6131	9.6247	9.26008
6003	482623.96	3853370.48	11.28177	9.04819	7.06997	9.53934	6.93891	6.85913	9.97985	9.04819
6004	482601.94	3853294.84	11.00106	9.11047	7.09212	8.57413	6.7148	6.7337	9.98797	9.11047
6005	482531.29	3853133.44	10.34166	9.73045	5.79084	7.48009	7.87529	5.96687	9.7654	9.73045
6006	482482.68	3853047.69	10.08388	11.53684	5.40602	6.98572	8.25847	5.62323	11.6911	11.53684
6007	482383.08	3852897.4	9.63997	15.24985	5.97225	6.02599	8.56854	5.13303	15.4861	15.24985
6008	482265.64	3852765.26	9.18025	16.04857	6.79657	5.45798	8.52449	4.91781	16.3101	16.04857
6009	482199.16	3852697.66	8.99621	15.66625	7.33237	5.25033	8.45612	4.84137	15.9231	15.66625
6010	482132.69	3852630.07	8.85689	15.30321	7.83415	5.05834	8.38853	4.76609	15.5587	15.30321
6011	482066.21	3852562.48	8.73382	14.81861	8.36299	4.87124	8.311	4.68741	15.068	14.81861
6012	481999.74	3852494.89	8.61761	14.22933	8.88206	4.68019	8.22364	4.60556	14.4692	14.22933
6013	481933.26	3852427.29	8.50938	13.56902	9.30055	4.49692	8.13303	4.52491	13.7962	13.56902
6014	481866.79	3852359.7	8.42735	13.19956	9.50825	4.33656	8.04852	4.4514	13.4218	13.19956

94.9244769	1.22716651	0.000324	0.176108	8.510816	0.69617	3.477278	4.51807513	104.4943
101.785433	1.214632738	0.0002909	0.174775	9.154762	0.69334	3.642349	4.47192937	112.1937
97.3993052	1.071918758	0.0002865	0.173335	9.003435	0.67781	3.465676	3.94649743	107.8453
93.4734819	1.048916924	0.0003053	0.170655	8.796895	0.64752	3.268405	3.86181128	103.5444
89.9991386	1.04985752	0.0003296	0.170768	8.686943	0.64423	3.275449	3.86527428	99.96144
86.8886471	1.050910626	0.000305	0.170066	8.537807	0.6733	3.271927	3.86915152	96.72381
84.0839306	1.051725209	0.0002778	0.16916	8.375016	0.70231	3.258995	3.87215058	93.76927
85.3925042	1.037526268	0.0002735	0.172808	8.58579	0.6079	3.190211	3.81987415	95.16714
88.4207032	0.996860142	0.0002782	0.183416	8.469916	0.61343	3.351122	3.67015314	98.36557
89.6619652	1.025964595	0.000303	0.197891	10.04629	0.66917	3.658371	3.77730739	101.4827
90.3641191	1.117940427	0.0003547	0.210113	11.17373	0.67496	3.806023	4.11593602	103.2313
91.1214767	1.196765925	0.0003236	0.217846	11.71365	0.69	3.81336	4.40614889	104.3473
91.2685155	1.264727321	0.0003418	0.218786	11.7504	0.68783	3.697218	4.65636326	104.2315
91.5073894	1.324965932	0.0003818	0.211895	11.53783	0.62933	3.481162	4.87814455	103.8148
94.8365409	1.362738265	0.0004008	0.198211	10.48613	0.56503	3.203436	5.01721145	105.6353
98.7074683	1.355240504	0.0003724	0.182202	9.881853	0.56641	2.903023	4.98960684	108.607
102.007787	1.284061282	0.0003644	0.166429	10.2769	0.66603	2.617907	4.72754536	112.2919
102.543098	1.187859521	0.0003446	0.154961	11.4571	0.69677	2.357843	4.37335807	114.0246
100.476962	1.136365297	0.0003472	0.145953	11.57744	0.6747	2.551851	4.1837711	112.3798
98.8704115	1.303593264	0.0003574	0.141654	10.8459	0.74774	2.858876	4.79945652	109.9691
97.6836349	1.1107667	0.0004685	0.142817	11.04077	0.6408	2.530218	4.08952441	109.06
93.5579292	1.061851237	0.0003549	0.143881	11.1625	0.64701	2.233845	3.90943171	104.8979
89.0361524	1.078228398	0.0004113	0.145672	11.27579	0.6416	2.234898	3.96972772	100.443
90.7878946	1.127958444	0.0004549	0.140674	10.32031	0.61979	2.493115	4.15281948	101.3374
101.772812	1.333881337	0.0004193	0.13743	8.381625	0.67617	2.894166	4.91096851	110.2855
99.6689153	1.698269808	0.0004825	0.135836	5.973322	0.85097	3.484598	6.25254236	105.5598
100.015016	2.018994849	0.0004121	0.136763	5.247001	0.97666	4.023287	7.43335997	104.9848
102.319308	2.170142685	0.0005017	0.138145	5.265696	1.03784	4.315965	7.98984295	107.2578
103.840077	2.206056329	0.0005369	0.140025	5.687294	1.07013	4.413633	8.12206669	109.2357
104.930093	2.170691741	0.0006827	0.145513	5.647529	1.07996	4.371541	7.99186442	110.3542
105.476999	2.704283879	0.0008046	0.153962	6.080742	0.96841	4.132437	9.95639763	109.5612
106.040939	3.529217578	0.0007638	0.161873	6.034789	1.15519	3.843436	12.9935669	107.7726
106.027087	4.017472117	0.0005126	0.159894	5.463258	1.53755	4.867964	14.7911801	107.2826
105.864759	4.24408811	0.0004594	0.166207	4.551632	2.13682	5.839057	15.6255152	107.1775
104.948563	4.397976723	0.0007907	0.198029	4.400587	2.22641	6.450432	16.1920889	106.4307
103.928834	4.728940303	0.0007992	0.231898	5.316515	2.5567	6.859062	17.4106019	106.2122
102.148566	4.449029903	0.0008412	0.253069	5.901498	3.02423	6.884856	16.3800521	106.282
99.8252915	4.724331836	0.0008804	0.265076	6.057311	2.91366	6.721218	17.3936348	103.1141
96.9741958	4.477661808	0.0004707	0.27003	5.758495	2.97815	6.505525	16.4854665	100.4791
101.372944	6.413465717	0.0002006	0.277752	6.43901	3.22217	7.237824	23.6125413	101.3508
104.602257	5.36372971	0.0001628	0.281553	7.324045	3.15087	8.269845	19.7477144	109.2447
107.753382	5.62826655	0.0002107	0.307551	7.828816	3.47944	8.744101	20.7216632	113.0201
110.431273	5.313581121	0.0002471	0.363312	7.844569	2.70541	12.09079	19.5630817	119.1861
113.09993	4.814309465	0.000241	0.540813	7.445171	1.67192	22.01815	17.7249067	131.8656
115.347787	4.490056066	0.0002004	0.865915	6.664282	1.66137	19.53964	16.5310986	132.0382
117.024317	4.324407759	0.000155	0.840462	5.633966	1.33135	14.76808	15.9212291	128.0015
117.423877	4.167458835	0.0001778	0.565272	3.838357	0.91489	16.61714	15.3433882	128.1838
115.761199	4.072098659	0.0001793	0.494151	3.199881	0.94893	17.23031	14.9922994	126.7144
112.88086	4.100127503	0.0001799	0.444152	3.096532	0.93157	17.24433	15.0954935	123.6023
106.114817	4.379146813	0.0001469	0.387479	3.631693	0.82549	16.86006	16.1227626	116.0761
103.469761	5.192104796	0.0001371	0.36187	3.808396	0.77795	20.18473	19.1158407	114.6791
98.9148412	6.86312884	0.0001515	0.312155	3.951385	0.71013	26.73686	25.268072	112.2206
94.1976968	7.222589311	0.0001724	0.282731	3.931072	0.68035	28.15948	26.5915023	107.8826
92.3092793	7.050527854	0.000186	0.271974	3.899543	0.66978	27.49138	25.9580214	105.7346
90.8797297	6.887143277	0.0001987	0.262029	3.868374	0.65937	26.86218	25.3564863	104.0625
89.6169198	6.669051149	0.0002122	0.252337	3.832621	0.64848	26.01507	24.5535336	102.4812
88.4244997	6.403848241	0.0002253	0.24244	3.792335	0.63716	24.98117	23.5771325	100.9045
87.3139617	6.10667859	0.0002359	0.232947	3.75055	0.626	23.81919	22.4830391	99.36653
86.4722595	5.94040472	0.0002412	0.22464	3.711578	0.61583	23.17293	21.8708664	98.26701

6015	481800.31	3852292.11	8.35445	12.8716	9.59396	4.18254	7.9629	4.37852	13.0906	12.8716
6016	481733.84	3852224.52	8.28093	12.51318	9.58056	4.02962	7.87073	4.30501	12.7311	12.51318
6017	481667.36	3852156.92	8.22891	12.29202	9.41228	3.88881	7.78076	4.2991	12.5145	12.29202
6018	481600.89	3852089.33	8.13538	11.74898	9.21543	3.73682	7.66949	4.33859	11.8894	11.74898
6019	481534.41	3852021.74	8.03444	11.34455	8.92755	3.58861	7.55391	4.2856	11.5596	11.34455
6020	481467.94	3851954.15	7.94613	11.13293	8.53452	3.45081	7.44101	4.20137	11.2651	11.13293
6021	481401.46	3851886.55	7.88862	11.37956	8.03528	3.34809	7.33525	4.12398	11.5201	11.37956
6022	481265.87	3851761.43	7.56486	12.28617	6.84766	3.24886	7.12634	3.86451	12.379	12.28617
6023	481196.74	3851703.89	7.40057	13.62818	6.10486	3.22283	7.03964	3.81598	13.7032	13.62818
6024	481076.33	3851619.04	7.09339	15.49709	4.6897	3.27308	6.90951	3.74788	15.5655	15.49709
6025	480939.8	3851549.07	6.8326	15.79422	2.95297	3.60222	6.77697	3.68111	15.9309	15.79422
6026	480854.56	3851506.41	6.70142	15.80804	2.09971	3.80634	6.66641	3.65757	15.9967	15.80804
6027	480769.32	3851463.75	6.58119	15.89367	1.42372	4.0048	6.54107	3.64028	16.1368	15.89367
6028	480684.08	3851421.08	6.45661	15.97326	1.25747	4.19446	6.3989	3.65648	16.274	15.97326
6029	480598.84	3851378.42	6.3047	15.82789	1.24432	4.35574	6.23812	3.7099	16.1804	15.82789
6030	480435.71	3851275.01	6.0682	18.5271	1.19543	4.48965	5.97806	3.81746	19.0678	18.5271
6031	480347.85	3851232.36	5.89255	18.24032	1.22864	4.62235	5.78974	3.92475	18.846	18.24032
6032	480260	3851189.72	5.72461	18.00334	1.26394	4.73084	5.59147	4.04595	18.6624	18.00334
6033	480172.15	3851147.07	5.5553	17.8272	1.30192	4.8117	5.38632	4.16411	18.5335	17.8272
6034	480084.29	3851104.42	5.38703	17.7615	1.34193	4.8638	5.17623	4.2718	18.5123	17.7615
6035	479996.44	3851061.77	5.2202	17.82265	1.38414	4.88581	4.96177	4.36089	18.6207	17.82265
6036	479908.58	3851019.13	5.08701	18.59226	1.4118	4.91727	4.74428	4.38042	19.4807	18.59226
6037	479820.73	3850976.48	4.90707	18.66738	1.46491	4.86835	4.52295	4.41437	19.5664	18.66738
6038	479732.88	3850933.83	4.72438	18.73184	1.52678	4.78257	4.30261	4.39732	19.6175	18.73184
6039	479645.02	3850891.18	4.53744	18.7403	1.60116	4.66053	4.0845	4.31893	19.6037	18.7403
6040	479557.17	3850848.54	4.34593	18.64523	1.6922	4.49246	3.86902	4.17368	19.4835	18.64523
6041	479469.32	3850805.89	4.22643	18.83482	1.77527	4.33016	3.65716	3.93772	19.6641	18.83482
6042	479381.46	3850763.24	4.01841	18.58988	1.89658	4.10406	3.59764	3.66408	19.401	18.58988
6043	479293.61	3850720.59	3.7779	17.92139	2.04751	3.83717	3.54453	3.35321	18.6895	17.92139
6044	479205.76	3850677.95	3.58615	17.24777	2.19943	3.57384	3.49019	3.0063	17.9428	17.24777
6045	479117.9	3850635.3	3.39312	16.47454	2.36502	3.32637	3.41877	2.65463	17.0806	16.47454
6046	479030.05	3850592.65	3.43094	16.04855	2.51984	3.09171	3.34319	2.30081	16.5994	16.04855
6047	478942.19	3850550	3.46967	16.23392	2.6341	2.87097	3.30014	1.93056	16.7686	16.23392
6048	478854.34	3850507.36	3.43474	17.44593	2.69769	2.67106	3.21229	1.85598	18.0158	17.44593
6049	478766.49	3850464.71	3.25304	17.77219	2.81036	2.43391	3.13997	1.76335	18.3272	17.77219
6050	478678.63	3850422.06	3.22351	17.83106	2.9327	2.20136	3.0707	1.66644	18.3652	17.83106
6051	478590.78	3850379.41	3.2089	18.00132	3.04181	1.97431	3.00112	1.56673	18.5153	18.00132
6052	478502.93	3850336.77	3.18811	17.97199	3.15152	1.8724	2.93175	1.47363	18.4604	17.97199
6053	478415.07	3850294.12	3.15745	17.8805	3.25088	1.8245	2.86343	1.45619	18.3365	17.8805
6054	478327.22	3850251.47	3.13496	18.05169	3.31863	1.77685	2.79377	1.45955	18.4953	18.05169
6055	478239.36	3850208.82	3.10061	18.09175	3.37162	1.72804	2.72528	1.46246	18.5175	18.09175
6056	478151.51	3850166.18	3.05346	18.02885	3.40669	1.67862	2.65682	1.46501	18.4306	18.02885
6057	478063.66	3850123.53	2.99772	17.87152	3.42034	1.62899	2.59021	1.46728	18.2897	17.87152
6058	477975.8	3850080.88	2.88766	17.49231	3.65956	1.57672	2.53498	1.46857	17.8486	17.49231
6059	477887.95	3850038.23	2.87705	17.13898	3.89231	1.52664	2.56267	1.47011	17.4687	17.13898
6060	477800.1	3849995.59	2.86007	16.44973	4.13317	1.4763	2.78649	1.4711	16.7442	16.44973
6061	477712.24	3849952.94	2.8495	16.05964	4.31956	1.42802	2.92145	1.47237	16.3251	16.05964
6062	477624.39	3849910.29	2.83745	15.63018	4.48815	1.45092	3.05215	1.47339	15.8652	15.63018
6063	477536.54	3849867.64	2.82149	15.08727	4.64338	1.50925	3.52424	1.47396	15.2882	15.08727
6064	477448.68	3849825	2.80938	14.80506	4.75969	1.56512	3.297	1.47457	14.978	14.80506
6065	477360.83	3849782.35	2.79489	14.48142	4.85583	1.62104	3.40142	1.47474	14.6283	14.48142
6066	477272.97	3849739.7	2.77887	14.08933	4.90941	1.67641	3.5053	1.47454	14.2104	14.08933
6067	477185.12	3849697.05	2.75966	13.58676	4.96014	1.73167	3.62165	1.47382	13.6833	13.58676
6068	477097.27	3849654.41	2.74361	13.24727	4.9931	1.78443	3.70508	1.47289	13.322	13.24727
6069	477009.41	3849611.76	2.73431	13.24265	4.96402	1.82881	3.73213	1.47168	13.2975	13.24265
6070	476841.49	3849530.08	2.69594	12.51613	4.87468	1.92196	3.91349	1.46728	12.5438	12.51613
6071	476761.41	3849491.05	2.6729	12.16695	4.80986	1.96836	4.02093	1.52378	12.1943	12.16695
6072	476681.34	3849452.02	2.65328	12.31865	4.71208	2.01062	4.10211	1.56733	12.3554	12.31865
6073	476601.26	3849412.99	2.63469	13.13703	4.58672	2.05175	4.17412	1.60323	13.1873	13.13703

85.7242393	5.792807744	0.0002434	0.216661	3.672094	0.60575	22.60098	21.3274567	97.28532		
84.9698574	5.631502378	0.000243	0.20874	3.62959	0.59558	21.9803	20.7335766	96.28224		
84.436085	5.531970279	0.0002388	0.201446	3.5881	0.59476	21.60638	20.367128	95.59185		
83.4763823	5.287577483	0.0002338	0.193572	3.536788	0.60022	20.52715	19.4673438	94.15459		
82.4406463	5.105565516	0.0002265	0.185895	3.483488	0.59289	19.9577	18.7972279	92.96918		
81.5345055	5.010326853	0.0002165	0.178757	3.431424	0.58124	19.44934	18.4465865	91.73923		
80.9444007	5.121321615	0.0002038	0.173436	3.382653	0.57053	19.88959	18.8552373	91.2269		
77.6223293	5.529337512	0.0001737	0.168295	3.286314	0.53464	21.3725	20.3574349	88.15615		
75.9365648	6.133303291	0.0001549	0.166947	3.246333	0.52792	23.65878	22.5810636	87.08894		
72.7846192	6.97439813	0.000119	0.16955	3.186323	0.5185	26.87396	25.6777336	84.82974		
70.1086771	7.108120197	7.491E-05	0.1866	3.125202	0.50926	27.50488	26.1700599	82.37276		
68.7626512	7.114339828	5.327E-05	0.197174	3.074217	0.50601	27.61852	26.1929588	81.08		
67.5289823	7.152877238	3.612E-05	0.207454	3.016417	0.50361	27.86042	26.3348425	79.93496		
66.2506785	7.188696373	3.19E-05	0.217279	2.950855	0.50586	28.09724	26.4667183	78.74392		
64.691944	7.123273235	3.157E-05	0.225633	2.876711	0.51325	27.93568	26.225849	77.14067		
62.2652394	8.338040986	3.033E-05	0.23257	2.756785	0.52813	32.9207	30.6982755	76.34321		
60.4629109	8.208976891	3.117E-05	0.239444	2.669941	0.54297	32.53783	30.2230985	74.439		
58.7396941	8.10232507	3.206E-05	0.245064	2.578508	0.55974	32.22079	29.8304371	72.61571		
57.0024199	8.023054027	3.303E-05	0.249253	2.483903	0.57608	31.99831	29.5385839	70.79447		
55.2758169	7.993486027	3.404E-05	0.251952	2.38702	0.59098	31.96166	29.429723	69.03122		
53.5639897	8.02100632	3.511E-05	0.253092	2.288122	0.60331	32.14888	29.5310448	67.34739		
52.1973394	8.367365962	3.581E-05	0.254721	2.187826	0.60601	33.63357	30.8062416	66.44063		
50.3509917	8.401173392	3.716E-05	0.252187	2.08576	0.61071	33.78152	30.9307109	64.55166		
48.4764265	8.430183335	3.873E-05	0.247744	1.98415	0.60835	33.8698	31.0375172	62.57917		
46.5582525	8.433990721	4.062E-05	0.241422	1.883569	0.5975	33.84593	31.0515349	60.50918		
44.5931861	8.39120488	4.293E-05	0.232716	1.7842	0.57741	33.63846	30.8940097	58.32321		
43.3670076	8.476529037	4.503E-05	0.224308	1.686501	0.54476	33.95027	31.2081488	57.04127		
41.2325336	8.366294853	4.811E-05	0.212596	1.659053	0.50691	33.49607	30.8022981	54.67121		
38.7646827	8.065443828	5.194E-05	0.198771	1.634561	0.4639	32.26765	29.6946509	51.70041		
36.7971537	7.762284069	5.579E-05	0.18513	1.609502	0.41591	30.97844	28.5785037	49.16997		
34.8164907	7.414295262	6E-05	0.172311	1.576567	0.36726	29.48983	27.2973087	46.5395		
35.2045582	7.222580311	6.392E-05	0.160155	1.541713	0.31831	28.65908	26.5914692	46.51499		
35.6019632	7.306005275	6.682E-05	0.14872	1.521861	0.26708	28.95111	26.898616	46.89819		
35.2435497	7.851465118	6.843E-05	0.138365	1.481349	0.25677	31.10443	28.9068427	47.16915		
33.3791428	7.998297016	7.129E-05	0.12608	1.447998	0.24395	31.64213	29.4474356	45.39024		
33.0761382	8.024791204	7.44E-05	0.114034	1.416054	0.23054	31.70774	29.5449796	45.02439		
32.9262263	8.101415978	7.716E-05	0.102272	1.383968	0.21675	31.96685	29.8270901	44.87047		
32.7129021	8.088216139	7.995E-05	0.096993	1.351978	0.20387	31.87205	29.7784921	44.5476		
32.3983026	8.047041461	8.247E-05	0.094512	1.320472	0.20146	31.65817	29.6268987	44.09314		
32.1675348	8.124084778	8.419E-05	0.092043	1.288348	0.20192	31.93225	29.9105501	43.89572		
31.8150726	8.142113607	8.553E-05	0.089515	1.256764	0.20232	31.97063	29.9769271	43.49958		
31.3312708	8.113805735	8.642E-05	0.086955	1.225193	0.20268	31.82055	29.8727056	42.90783		
30.7593279	8.043000051	8.677E-05	0.084384	1.194476	0.20299	31.57735	29.6120194	42.2496		
29.6300124	7.872338236	9.284E-05	0.081676	1.169007	0.20317	30.81574	28.9836915	40.78834		
29.5211441	7.713323602	9.874E-05	0.079082	1.181776	0.20338	30.1598	28.3982453	40.46036		
29.3469139	7.403129629	0.0001048	0.076474	1.284991	0.20352	28.90908	27.2562	39.96802		
29.2384561	7.227571317	0.0001096	0.073973	1.347228	0.2037	28.18549	26.6098447	39.66667		
29.1148122	7.034294707	0.0001139	0.07516	1.4075	0.20384	27.39146	25.8982556	39.32892		
28.9510481	6.789960416	0.0001178	0.078181	1.625205	0.20392	26.3953	24.9986868	39.04504		
28.8267885	6.66295303	0.0001207	0.081075	1.520413	0.204	25.8597	24.5310821	38.62397		
28.678108	6.517300252	0.0001232	0.083972	1.568566	0.20402	25.25598	23.9948303	38.31324		
28.5137282	6.340841848	0.0001245	0.08684	1.61647	0.204	24.5344	23.3451611	37.95124		
28.3166162	6.1146624	0.0001258	0.089703	1.670125	0.2039	23.62441	22.5124332	37.5071		
28.1519286	5.961876398	0.0001267	0.092436	1.708599	0.20377	23.00057	21.949919	37.16938		
28.0565022	5.959797187	0.0001259	0.094735	1.721073	0.2036	22.95832	21.9422639	37.05189		
27.6627912	5.632830013	0.0001237	0.09956	1.804707	0.20299	21.65691	20.7384646	36.32145		
27.4263799	5.475683068	0.000122	0.101964	1.854253	0.21081	21.0536	20.1598946	35.96291		
27.2250609	5.543954995	0.0001195	0.104153	1.89169	0.21683	21.33178	20.4112522	35.90233		
27.0343106	5.912263364	0.0001164	0.106284	1.924897	0.2218	22.76792	21.767258	36.20033		

6074	476456.32	3849353.67	2.59924	15.56849	4.24427	2.18797	4.402	1.66612	15.6526	15.56849	26.6705614	7.00653139	0.0001077	0.11334	2.029984	0.2305	27.02442	25.796039	37.27941
6075	476305.43	3849318.83	2.52268	14.8774	3.81836	2.44392	5.02153	1.82688	15.0255	14.8774	25.8849863	6.695509333	9.686E-05	0.126598	2.31568	0.25274	25.94173	24.650945	36.5664
6076	476129.36	3849289.99	2.44868	15.52051	3.09348	2.75667	5.77949	1.90093	15.6573	15.52051	25.1256792	6.984938199	7.847E-05	0.142799	2.665214	0.26298	27.03247	25.7165391	36.49762
6077	476039.31	3849275.68	2.42706	15.33891	2.70208	2.88144	6.12518	1.88339	15.4639	15.33891	24.9038383	6.903209907	6.855E-05	0.149263	2.824629	0.26056	26.69849	25.415639	36.32442
6078	475949.26	3849261.38	2.4261	16.33468	2.25839	3.09286	6.53129	1.94166	16.4513	16.33468	24.8939879	7.351351876	5.729E-05	0.160214	3.011907	0.26862	28.40325	27.0655692	37.02382
6079	475859.21	3849247.08	2.61668	16.94962	1.89206	3.1959	6.84487	2.02824	17.0518	16.94962	26.8495116	7.628102955	4.8E-05	0.165552	3.156514	0.2806	29.44007	28.0844873	39.43591
6080	475769.16	3849232.77	2.90772	17.89562	1.52921	3.29719	7.13776	2.11087	17.9819	17.89562	29.8358462	8.053846152	3.879E-05	0.170799	3.291581	0.29203	31.04598	29.6519516	43.03817
6081	475585.22	3849219.27	2.50713	16.80936	0.58438	3.77698	7.87834	2.30438	16.9155	16.80936	25.7254292	7.564979551	1.482E-05	0.195653	3.633099	0.3188	29.2047	27.852085	38.79059
6082	475444.49	3849150.34	4.03152	19.41855	0.62245	3.57697	7.89754	2.32688	19.498	19.41855	41.3670541	8.739234192	1.579E-05	0.185292	3.641953	0.32191	33.66356	32.1753538	55.74367
6083	475334.17	3849118.71	3.7869	19.42803	0.85411	3.49767	7.87908	2.30289	19.5361	19.42803	38.8570309	8.743500625	2.167E-05	0.181184	3.633441	0.31859	33.72931	32.1910616	53.27202
6084	475230.46	3849060.57	3.46929	21.52585	0.9018	3.46601	7.82324	2.28822	21.6544	21.52585	35.598064	9.687615416	2.288E-05	0.179544	3.60769	0.31656	37.38651	35.6670215	51.10899
6085	475110.86	3848960.97	3.60024	19.86788	0.8119	3.44156	7.71575	2.26774	20.0982	19.86788	36.9417299	8.941453209	2.06E-05	0.178278	3.558121	0.31373	34.69982	32.9198662	51.71328
6086	475037.79	3848896.28	4.23195	17.76377	0.71976	3.46512	7.66048	2.25673	17.9476	17.76377	43.4236478	7.994507631	1.826E-05	0.179498	3.532633	0.31221	30.98663	29.4334842	56.99566
6087	474964.72	3848831.59	4.61326	17.15268	0.63959	3.48581	7.579	2.23214	17.3127	17.15268	47.3362345	7.719489227	1.623E-05	0.18057	3.495059	0.30881	29.8905	28.4209453	60.50973
6088	474891.65	3848766.9	4.677	16.70501	0.59193	3.4605	7.46319	2.20053	16.9498	16.70501	47.9902647	7.518017286	1.502E-05	0.179259	3.441653	0.30443	29.26407	27.6791834	61.01853
6089	474818.58	3848702.22	4.64687	16.79336	0.55743	3.41985	7.33367	2.16552	18.1164	16.79336	47.6811036	7.55777882	1.414E-05	0.177153	3.381925	0.29959	31.27817	27.825574	62.55015
6090	474745.51	3848637.53	4.32862	16.21222	0.57918	3.2605	7.13522	2.1026	17.6126	16.21222	44.4155697	7.296239284	1.469E-05	0.168898	3.290409	0.29088	30.40835	26.8626604	59.00771
6091	474672.44	3848572.84	4.19371	16.62672	0.5627	3.19129	6.98482	2.0428	17.9821	16.62672	43.0312707	7.482783211	1.427E-05	0.165313	3.221052	0.28261	31.0463	27.5494617	57.67988
6092	474599.37	3848508.15	4.17696	17.89849	0.54148	3.1713	6.86944	2.02716	19.2679	17.89849	42.8594005	8.055137783	1.374E-05	0.164278	3.167845	0.28045	33.26617	29.656707	58.13659
6093	474526.3	3848443.46	4.09959	18.69865	0.55171	3.12554	6.73075	1.98783	20.0502	18.69865	42.0655141	8.41524632	1.4E-05	0.161907	3.103888	0.27501	34.61691	30.9825234	57.65596

CO
1 hr
Concentration [ug/m^3] at 1 g/s

	X	Y	Equipment	Rail Hauling	Rail Idling	Off-Site	Solar	33kV	S Main	Remove Ex
1	485973.61	3854936.51	6.56355	3.07045	5.48583	6.1867	20.4976	3.15737	3.22125	3.07045
2	486023.61	3854936.51	6.4778	3.2122	5.4008	5.93987	17.98164	3.01681	3.28798	3.2122
3	486073.61	3854936.51	6.2095	3.35872	5.31911	5.72424	15.64838	2.91835	3.43249	3.35872
4	486123.61	3854936.51	6.03901	3.47707	5.22712	5.42473	12.75616	2.72441	3.54394	3.47707
5	486173.61	3854936.51	6.00396	3.62678	5.15121	5.27919	15.5675	2.69106	3.69549	3.62678
6	486223.61	3854936.51	5.88596	3.76446	5.07556	5.04917	16.91031	2.56737	3.8291	3.76446
7	486273.61	3854936.51	5.79522	3.88496	5.00259	4.855	18.07737	2.47604	3.94778	3.88496
8	486323.61	3854936.51	5.71589	3.99137	4.91039	4.70247	18.80554	2.39724	4.05174	3.99137
9	485973.61	3854986.51	6.7246	2.99094	4.73681	6.60773	23.08389	3.52066	3.57304	2.99094
10	486023.61	3854986.51	6.64453	2.97633	4.66934	6.41236	20.74298	3.38184	3.44551	2.97633
11	486073.61	3854986.51	6.56089	3.09751	4.6031	6.2056	18.12261	3.22619	3.30315	3.09751
12	486123.61	3854986.51	6.47874	3.23816	4.64887	5.99551	15.49749	3.0779	3.31147	3.23816
13	486173.61	3854986.51	6.2213	3.38614	4.47737	5.82482	15.33753	2.9834	3.45824	3.38614
14	486223.61	3854986.51	6.10523	3.5123	4.58216	5.61264	17.00763	2.83956	3.58107	3.5123
15	486273.61	3854986.51	5.97144	3.64662	5.2937	5.38365	17.88317	2.68553	3.71108	3.64662
16	486323.61	3854986.51	5.95956	3.78128	5.83044	5.28401	20.06223	2.66598	3.84669	3.78128
17	485973.61	3855036.51	6.88629	3.18012	4.66119	6.48589	26.51182	3.84903	3.71832	3.18012
18	486023.61	3855036.51	6.80547	3.04686	5.04023	6.3407	23.42454	3.70508	3.60403	3.04686
19	486073.61	3855036.51	6.71931	2.88808	5.00116	6.17547	20.63828	3.53367	3.46788	2.88808
20	486123.61	3855036.51	6.63855	2.98167	4.5081	6.01893	18.03269	3.39363	3.35023	2.98167
21	486173.61	3855036.51	6.57108	3.13086	5.40504	5.89676	15.68809	3.30403	3.26977	3.13086
22	486223.61	3855036.51	6.29404	3.26151	6.02258	5.71251	16.4798	3.13956	3.33233	3.26151
23	486273.61	3855036.51	6.23872	3.40951	6.36286	5.60744	19.03739	3.07172	3.47994	3.40951
24	486323.61	3855036.51	6.13741	3.53682	6.24677	5.45176	20.15281	2.94872	3.60502	3.53682
25	485973.61	3855086.51	7.03928	3.2939	5.61939	6.03503	29.77631	3.92646	3.59931	3.2939
26	486023.61	3855086.51	6.96554	3.21236	5.43838	5.92367	27.01794	3.82053	3.523	3.21236
27	486073.61	3855086.51	6.88385	3.07977	5.36189	5.775	23.43538	3.66258	3.41608	3.07977
28	486123.61	3855086.51	6.80803	2.94419	6.27402	5.67586	21.00864	3.56469	3.34197	2.94419
29	486173.61	3855086.51	6.72508	2.8883	6.74593	5.53551	18.16713	3.42109	3.23645	2.8883
30	486223.61	3855086.51	6.65122	3.01982	6.81766	5.43884	16.38392	3.32493	3.16123	3.01982
31	485973.61	3855136.51	7.11884	3.34983	5.75721	6.20828	33.28266	3.80744	3.67866	3.34983
32	486023.61	3855136.51	7.08628	3.30383	6.42892	6.14578	30.47387	3.70322	3.49755	3.30383
33	486073.61	3855136.51	7.04454	3.2264	7.18537	6.13937	27.22882	3.59691	3.35186	3.2264
34	486123.61	3855136.51	6.96731	3.12434	7.45568	5.90254	23.95968	3.49674	3.20444	3.12434
35	486173.61	3855136.51	6.88838	2.98978	7.19558	5.65909	21.06873	3.38473	3.05684	2.98978
36	486223.61	3855136.51	6.81001	2.85286	6.52528	5.40247	18.34233	3.28815	2.9895	2.85286
37	485973.61	3855186.51	7.16892	3.33749	7.57046	6.9534	36.45456	3.69716	4.05546	3.33749
38	486023.61	3855186.51	7.14924	3.33675	8.13049	6.56758	34.15293	3.58936	3.96538	3.33675
39	486073.61	3855186.51	7.14527	3.29669	8.03073	6.37115	30.84008	3.47722	3.76017	3.29669
40	486123.61	3855186.51	7.11876	3.22785	7.3955	6.31144	27.25597	3.34642	3.53664	3.22785
41	486173.61	3855186.51	7.04346	3.13967	6.55081	6.06551	23.88746	3.20531	3.3529	3.13967
42	486223.61	3855186.51	6.96374	3.02385	6.26349	5.89356	21.04171	3.09316	3.22721	3.02385
43	486273.61	3855186.51	6.88172	2.87887	6.77049	5.70778	18.18044	2.99731	3.09463	2.87887
44	486323.61	3855186.51	6.8174	2.86237	7.24343	5.4821	21.5722	3.04785	3.00293	2.86237
45	485973.61	3855236.51	7.20423	3.25967	8.95654	7.51377	38.9371	3.86526	4.04058	3.25967
46	486023.61	3855236.51	7.22988	3.29257	8.45625	7.15069	36.96416	3.69801	4.03913	3.29257
47	486073.61	3855236.51	7.24486	3.29437	7.42248	6.84814	34.00666	3.82499	4.1406	3.29437
48	486123.61	3855236.51	7.21782	3.27496	7.07499	6.64258	30.87328	3.64081	3.97625	3.27496
49	486173.61	3855236.51	7.17572	3.22931	7.41789	6.69236	27.51889	3.45529	3.79909	3.22931
50	486223.61	3855236.51	7.11476	3.15238	7.75266	6.46268	23.93363	3.31983	3.60728	3.15238
51	486273.61	3855236.51	7.0258	3.02909	7.70182	6.16487	20.52385	3.1806	3.37547	3.02909
52	486323.61	3855236.51	6.95833	2.95663	7.78732	5.81306	20.87084	3.11226	3.28108	2.95663
53	485973.61	3855286.51	7.233	3.13193	8.67699	7.63319	40.57451	4.17162	4.12991	3.13193
54	486023.61	3855286.51	7.28507	3.1961	8.07897	7.36133	39.40213	3.94976	3.98449	3.1961
55	486073.61	3855286.51	7.30072	3.24027	8.15958	7.13219	37.2941	3.80791	4.00295	3.24027

Rates (g/s): 1.03E+01 4.50E-01 2.54E-05 5.18E-02 4.61E-01 1.38E-01 1.73E+00 1.66E+00

Mitigated
Concentration [ug/m^3]

	Equipment	Rail Haulin	Rail Idling	Off-Site	Solar	33kV	S Main	Remove Ex	Total
1	6.73E+01	1.38E+00	1.39E-04	3.20E-01	9.45E+00	4.37E-01	5.56E+00	5.09E+00	7.94E+01
2	6.64E+01	1.45E+00	1.37E-04	3.07E-01	8.29E+00	4.17E-01	5.68E+00	5.32E+00	7.72E+01
3	6.37E+01	1.51E+00	1.35E-04	2.96E-01	7.21E+00	4.03E-01	5.93E+00	5.57E+00	7.35E+01
4	6.19E+01	1.56E+00	1.33E-04	2.81E-01	5.88E+00	3.77E-01	6.12E+00	5.76E+00	7.04E+01
5	6.16E+01	1.63E+00	1.31E-04	2.73E-01	7.17E+00	3.72E-01	6.38E+00	6.01E+00	7.14E+01
6	6.04E+01	1.69E+00	1.29E-04	2.61E-01	7.79E+00	3.55E-01	6.61E+00	6.24E+00	7.08E+01
7	5.94E+01	1.75E+00	1.27E-04	2.51E-01	8.33E+00	3.42E-01	6.82E+00	6.44E+00	7.05E+01
8	5.86E+01	1.80E+00	1.25E-04	2.43E-01	8.67E+00	3.31E-01	7.00E+00	6.61E+00	7.00E+01
9	6.90E+01	1.35E+00	1.20E-04	3.42E-01	1.06E+01	4.87E-01	6.17E+00	4.96E+00	8.30E+01
10	6.81E+01	1.34E+00	1.18E-04	3.32E-01	9.56E+00	4.68E-01	5.95E+00	4.93E+00	8.08E+01
11	6.73E+01	1.39E+00	1.17E-04	3.21E-01	8.35E+00	4.46E-01	5.70E+00	5.13E+00	7.84E+01
12	6.64E+01	1.46E+00	1.18E-04	3.10E-01	7.14E+00	4.26E-01	5.72E+00	5.37E+00	7.61E+01
13	6.38E+01	1.52E+00	1.14E-04	3.02E-01	7.07E+00	4.12E-01	5.97E+00	5.61E+00	7.35E+01
14	6.26E+01	1.58E+00	1.16E-04	2.91E-01	7.84E+00	3.93E-01	6.18E+00	5.82E+00	7.31E+01
15	6.12E+01	1.64E+00	1.34E-04	2.79E-01	8.24E+00	3.71E-01	6.41E+00	6.04E+00	7.21E+01
16	6.11E+01	1.70E+00	1.48E-04	2.74E-01	9.25E+00	3.69E-01	6.64E+00	6.27E+00	7.31E+01
17	7.06E+01	1.43E+00	1.18E-04	3.36E-01	1.22E+01	5.32E-01	6.42E+00	5.27E+00	8.63E+01
18	6.98E+01	1.37E+00	1.28E-04	3.28E-01	1.08E+01	5.12E-01	6.22E+00	5.05E+00	8.40E+01
19	6.89E+01	1.30E+00	1.27E-04	3.20E-01	9.51E+00	4.89E-01	5.99E+00	4.79E+00	8.17E+01
20	6.81E+01	1.34E+00	1.14E-04	3.12E-01	8.31E+00	4.69E-01	5.78E+00	4.94E+00	7.93E+01
21	6.74E+01	1.41E+00	1.37E-04	3.05E-01	7.23E+00	4.57E-01	5.65E+00	5.19E+00	7.72E+01
22	6.45E+01	1.47E+00	1.53E-04	2.96E-01	7.59E+00	4.34E-01	5.75E+00	5.40E+00	7.47E+01
23	6.40E+01	1.53E+00	1.61E-04	2.90E-01	8.77E+00	4.25E-01	6.01E+00	5.65E+00	7.54E+01
24	6.29E+01	1.59E+00	1.58E-04	2.82E-01	9.29E+00	4.08E-01	6.22E+00	5.86E+00	7.49E+01
25	7.22E+01	1.48E+00	1.43E-04	3.12E-01	1.37E+01	5.43E-01	6.21E+00	5.46E+00	8.90E+01
26	7.14E+01	1.45E+00	1.38E-04	3.07E-01	1.25E+01	5.28E-01	6.08E+00	5.32E+00	8.69E+01
27	7.06E+01	1.39E+00	1.36E-04	2.99E-01	1.08E+01	5.06E-01	5.90E+00	5.10E+00	8.44E+01
28	6.98E+01	1.33E+00	1.59E-04	2.94E-01	9.68E+00	4.93E-01	5.77E+00	4.88E+00	8.25E+01
29	6.90E+01	1.30E+00	1.71E-04	2.87E-01	8.37E+00	4.73E-01	5.59E+00	4.79E+00	8.02E+01
30	6.82E+01	1.36E+00	1.73E-04	2.82E-01	7.55E+00	4.60E-01	5.46E+00	5.00E+00	7.83E+01
31	7.30E+01	1.51E+00	1.46E-04	3.21E-01	1.53E+01	5.26E-01	6.35E+00	5.55E+00	9.15E+01
32	7.27E+01	1.49E+00	1.63E-04	3.18E-01	1.40E+01	5.12E-01	6.04E+00	5.47E+00	8.96E+01
33	7.22E+01	1.45E+00	1.82E-04	3.18E-01	1.25E+01	4.97E-01	5.79E+00	5.35E+00	8.75E+01
34	7.14E+01	1.41E+00	1.89E-04	3.06E-01	1.10E+01	4.83E-01	5.53E+00	5.18E+00	8.50E+01
35	7.06E+01	1.35E+00	1.83E-04	2.93E-01	9.71E+00	4.68E-01	5.28E+00	4.95E+00	8.28E+01
36	6.98E+01	1.28E+00	1.66E-04	2.80E-01	8.45E+00	4.55E-01	5.16E+00	4.73E+00	8.07E+01
37	7.35E+01	1.50E+00	1.92E-04	3.60E-01	1.68E+01	5.11E-01	7.00E+00	5.53E+00	9.42E+01
38	7.33E+01	1.50E+00	2.06E-04	3.40E-01	1.57E+01	4.96E-01	6.85E+00	5.53E+00	9.27E+01
39	7.33E+01	1.48E+00	2.04E-04	3.30E-01	1.42E+01	4.81E-01	6.49E+00	5.46E+00	9.08E+01
40	7.30E+01	1.45E+00	1.88E-04	3.27E-01	1.26E+01	4.63E-01	6.11E+00	5.35E+00	8.86E+01
41	7.22E+01	1.41E+00	1.66E-04	3.14E-01	1.10E+01	4.43E-01	5.79E+00	5.20E+00	8.60E+01
42	7.14E+01	1.36E+00	1.59E-04	3.05E-01	9.70E+00	4.28E-01	5.57E+00	5.01E+00	8.38E+01
43	7.06E+01	1.30E+00	1.72E-04	2.95E-01	8.38E+00	4.14E-01	5.34E+00	4.77E+00	8.15E+01
44	6.99E+01	1.29E+00	1.84E-04	2.84E-01	9.94E+00	4.21E-01	5.18E+00	4.74E+00	8.23E+01
45	7.39E+01	1.47E+00	2.27E-04	3.89E-01	1.79E+01	5.34E-01	6.98E+00	5.40E+00	9.58E+01
46	7.41E+01	1.48E+00	2.15E-04	3.70E-01	1.70E+01	5.11E-01	6.97E+00	5.46E+00	9.51E+01
47	7.43E+01	1.48E+00	1.88E-04	3.55E-01	1.57E+01	5.29E-01	7.15E+00	5.46E+00	9.40E+01
48	7.40E+01	1.47E+00	1.79E-04	3.44E-01	1.42E+01	5.03E-01	6.87E+00	5.43E+00	9.20E+01
49	7.36E+01	1.45E+00	1.88E-04	3.46E-01	1.27E+01	4.78E-01	6.56E+00	5.35E+00	8.97E+01
50	7.30E+01	1.42E+00	1.97E-04	3.35E-01	1.10E+01	4.59E-01	6.23E+00	5.22E+00	8.72E+01
51	7.20E+01	1.36E+00	1.95E-04	3.19E-01	9.46E+00	4.40E-01	5.83E+00	5.02E+00	8.44E+01
52	7.14E+01	1.33E+00	1.98E-04	3.01E-01	9.62E+00	4.30E-01	5.66E+00	4.90E+00	8.38E+01
53	7.42E+01	1.41E+00	2.20E-04	3.95E-01	1.87E+01	5.77E-01	7.13E+00	5.19E+00	9.72E+01
54	7.47E+01	1.44E+00	2.05E-04	3.81E-01	1.82E+01	5.46E-01	6.88E+00	5.30E+00	9.68E+01
55	7.49E+01	1.46E+00	2.07E-04	3.69E-01	1.72E+01	5.26E-01	6.91E+00	5.37E+00	9.59E+01

56	486123.61	3855286.51	7.30861	3.2561	8.53971	6.92312	34.23472	3.97159	4.18749	3.2561	7.49E+01	1.47E+00	2.17E-04	3.58E-01	1.58E+01	5.49E-01	7.23E+00	5.40E+00	9.49E+01
57	486173.61	3855286.51	7.28803	3.24619	8.59729	6.78268	30.81591	3.83304	4.08181	3.24619	7.47E+01	1.46E+00	2.18E-04	3.51E-01	1.42E+01	5.30E-01	7.05E+00	5.38E+00	9.29E+01
58	486223.61	3855286.51	7.23652	3.21695	8.38905	6.82929	27.49446	3.67403	3.94975	3.21695	7.42E+01	1.45E+00	2.13E-04	3.54E-01	1.27E+01	5.08E-01	6.82E+00	5.33E+00	9.07E+01
59	486123.61	3855336.51	7.38565	3.18113	9.29494	6.94433	37.34312	3.90318	3.95637	3.18113	7.57E+01	1.43E+00	2.36E-04	3.59E-01	1.72E+01	5.40E-01	6.83E+00	5.27E+00	9.68E+01
60	486173.61	3855336.51	7.36019	3.21437	8.72062	6.81829	34.5083	3.97248	4.10398	3.21437	7.55E+01	1.45E+00	2.21E-04	3.53E-01	1.59E+01	5.49E-01	7.09E+00	5.33E+00	9.55E+01
61	486223.61	3855336.51	7.33079	3.21973	7.89239	6.67856	31.08525	3.91653	4.0489	3.21973	7.52E+01	1.45E+00	2.00E-04	3.46E-01	1.43E+01	5.41E-01	6.99E+00	5.33E+00	9.35E+01
62	486123.61	3855386.51	7.4365	3.06083	8.72194	6.91176	40.13437	3.97219	3.82089	3.06083	7.63E+01	1.38E+00	2.21E-04	3.58E-01	1.85E+01	5.49E-01	6.60E+00	5.07E+00	9.86E+01
63	486173.61	3855386.51	7.42235	3.12556	7.61348	6.68965	37.84659	3.87508	3.76146	3.12556	7.61E+01	1.41E+00	1.93E-04	3.46E-01	1.74E+01	5.36E-01	6.49E+00	5.18E+00	9.72E+01
64	486223.61	3855386.51	7.3909	3.17078	6.45902	6.54811	34.92078	3.86662	3.82792	3.17078	7.58E+01	1.43E+00	1.64E-04	3.39E-01	1.61E+01	5.35E-01	6.61E+00	5.25E+00	9.55E+01
65	486533.18	3855443.15	7.07298	3.04728	5.17832	5.9577	29.71574	3.49957	3.53681	3.04728	7.25E+01	1.37E+00	1.31E-04	3.08E-01	1.37E+01	4.84E-01	6.11E+00	5.05E+00	8.94E+01
66	486583.18	3855443.15	6.99936	2.95367	5.25087	5.96426	31.24417	3.42374	3.49653	2.95367	7.18E+01	1.33E+00	1.33E-04	3.09E-01	1.44E+01	4.73E-01	6.04E+00	4.89E+00	8.94E+01
67	486633.18	3855443.15	6.9012	2.83561	5.19492	5.90272	31.75836	3.33247	3.4394	2.83561	7.08E+01	1.28E+00	1.32E-04	3.06E-01	1.46E+01	4.61E-01	5.94E+00	4.70E+00	8.87E+01
68	486683.18	3855443.15	6.80321	2.73223	5.07117	5.81024	31.94149	3.24018	3.37312	2.73223	6.98E+01	1.23E+00	1.29E-04	3.01E-01	1.47E+01	4.48E-01	5.82E+00	4.53E+00	8.78E+01
69	486533.18	3855493.15	7.13043	3.10642	5.71173	5.69123	29.36936	3.49156	3.37011	3.10642	7.31E+01	1.40E+00	1.45E-04	2.95E-01	1.35E+01	4.83E-01	5.82E+00	5.15E+00	8.95E+01
70	486583.18	3855493.15	7.05363	3.0534	5.39219	5.64847	31.75328	3.44024	3.36046	3.0534	7.23E+01	1.37E+00	1.37E-04	2.92E-01	1.46E+01	4.76E-01	5.80E+00	5.06E+00	8.98E+01
71	486633.18	3855493.15	6.97422	2.97374	4.97373	5.67243	32.99104	3.38174	3.35187	2.97374	7.15E+01	1.34E+00	1.26E-04	2.94E-01	1.52E+01	4.68E-01	5.79E+00	4.93E+00	8.97E+01
72	486683.18	3855493.15	6.88059	2.87026	4.81187	5.65103	33.17849	3.32047	3.32611	2.87026	7.06E+01	1.29E+00	1.22E-04	2.93E-01	1.53E+01	4.59E-01	5.74E+00	4.76E+00	8.89E+01
73	486533.18	3855543.15	7.158	3.11205	5.71401	5.70235	29.00757	3.44184	3.46795	3.11205	7.34E+01	1.40E+00	1.45E-04	2.95E-01	1.34E+01	4.76E-01	5.99E+00	5.16E+00	8.98E+01
74	486583.18	3855543.15	7.10521	3.09025	5.45642	5.56451	31.22861	3.38328	3.39768	3.09025	7.29E+01	1.39E+00	1.38E-04	2.88E-01	1.44E+01	4.68E-01	5.87E+00	5.12E+00	9.01E+01
75	486633.18	3855543.15	7.0191	3.04986	5.24896	5.43559	33.30989	3.33686	3.27908	3.04986	7.20E+01	1.37E+00	1.33E-04	2.81E-01	1.54E+01	4.61E-01	5.66E+00	5.05E+00	9.00E+01
76	486683.18	3855543.15	6.94393	2.9762	4.84521	5.43635	33.3014	3.28235	3.15121	2.9762	7.12E+01	1.34E+00	1.23E-04	2.81E-01	1.53E+01	4.54E-01	5.44E+00	4.93E+00	8.91E+01
77	486533.18	3855593.15	7.18158	3.06092	5.93313	5.82862	29.25417	3.45585	3.39828	3.06092	7.36E+01	1.38E+00	1.51E-04	3.02E-01	1.35E+01	4.78E-01	5.87E+00	5.07E+00	9.01E+01
78	486583.18	3855593.15	7.12208	3.07767	5.95478	5.68395	30.94084	3.35553	3.417	3.07767	7.30E+01	1.39E+00	1.51E-04	2.94E-01	1.43E+01	4.64E-01	5.90E+00	5.10E+00	9.02E+01
79	486633.18	3855593.15	7.04449	3.07114	5.89258	5.55836	33.32316	3.28214	3.38417	3.07114	7.22E+01	1.38E+00	1.49E-04	2.88E-01	1.54E+01	4.54E-01	5.84E+00	5.09E+00	9.05E+01
80	486683.18	3855593.15	6.94747	3.04337	5.77569	5.41385	35.12548	3.23719	3.31263	3.04337	7.12E+01	1.37E+00	1.47E-04	2.80E-01	1.62E+01	4.48E-01	5.72E+00	5.04E+00	9.02E+01
81	486533.18	3855643.15	7.17829	2.96571	6.60853	6.27362	33.4804	3.53297	3.60311	2.96571	7.36E+01	1.33E+00	1.68E-04	3.25E-01	1.54E+01	4.88E-01	6.22E+00	4.91E+00	9.25E+01
82	486583.18	3855643.15	7.11396	3.01398	6.19994	5.98543	30.30056	3.42488	3.49651	3.01398	7.29E+01	1.36E+00	1.57E-04	3.10E-01	1.40E+01	4.73E-01	6.04E+00	4.99E+00	9.01E+01
83	486633.18	3855643.15	7.0389	3.04208	6.23443	5.68863	33.28313	3.30908	3.38777	3.04208	7.22E+01	1.37E+00	1.58E-04	2.94E-01	1.53E+01	4.57E-01	5.85E+00	5.04E+00	9.04E+01
84	486683.18	3855643.15	6.94681	3.04767	6.24596	5.48817	35.49646	3.21468	3.30598	3.04767	7.12E+01	1.37E+00	1.58E-04	2.84E-01	1.64E+01	4.44E-01	5.71E+00	5.05E+00	9.03E+01
85	486533.18	3855693.15	7.287	2.83938	7.5783	6.68811	38.16403	3.62993	3.79352	2.83938	7.47E+01	1.28E+00	1.92E-04	3.46E-01	1.76E+01	5.02E-01	6.55E+00	4.70E+00	9.63E+01
86	486583.18	3855693.15	7.22611	2.90781	7.20821	6.35376	33.41541	3.48588	3.63329	2.90781	7.41E+01	1.31E+00	1.83E-04	3.29E-01	1.54E+01	4.82E-01	6.27E+00	4.82E+00	9.31E+01
87	486633.18	3855693.15	7.15797	2.96009	6.77346	6.07138	31.56541	3.32062	3.60239	2.96009	7.34E+01	1.33E+00	1.72E-04	3.14E-01	1.45E+01	4.59E-01	6.22E+00	4.90E+00	9.14E+01
88	486683.18	3855693.15	7.03915	3.00159	6.53685	5.8161	35.40238	3.27533	3.47636	3.00159	7.22E+01	1.35E+00	1.66E-04	3.01E-01	1.63E+01	4.53E-01	6.00E+00	4.97E+00	9.16E+01
89	486733.18	3855693.15	6.907	3.02585	6.34172	5.55821	39.33947	3.27608	3.30625	3.02585	7.08E+01	1.36E+00	1.61E-04	2.88E-01	1.81E+01	4.53E-01	5.71E+00	5.01E+00	9.18E+01
90	486783.18	3855693.15	6.77081	3.02864	6.14784	5.2997	42.72227	3.27749	3.11756	3.02864	6.94E+01	1.36E+00	1.56E-04	2.74E-01	1.97E+01	4.53E-01	5.38E+00	5.02E+00	9.16E+01
91	486533.18	3855743.15	7.48199	2.68923	7.23614	6.97176	42.55964	3.6984	3.89383	2.68923	7.67E+01	1.21E+00	1.84E-04	3.61E-01	1.96E+01	5.11E-01	6.72E+00	4.46E+00	1.01E+02
92	486583.18	3855743.15	7.448	2.77215	6.44448	6.71218	37.40372	3.54252	3.78969	2.77215	7.64E+01	1.25E+00	1.63E-04	3.47E-01	1.72E+01	4.90E-01	6.54E+00	4.59E+00	9.76E+01
93	486633.18	3855743.15	7.36466	2.84627	5.82609	6.44855	32.92628	3.393	3.67662	2.84627	7.55E+01	1.28E+00	1.48E-04	3.34E-01	1.52E+01	4.69E-01	6.35E+00	4.72E+00	9.44E+01
94	486683.18	3855743.15	7.22841	2.91332	5.58451	6.15843	35.66646	3.38054	3.5347	2.91332	7.41E+01	1.31E+00	1.42E-04	3.19E-01	1.64E+01	4.67E-01	6.10E+00	4.83E+00	9.39E+01
95	486733.18	3855743.15	7.11488	2.96211	5.642	5.87966	39.24446	3.32787	3.40053	2.96211	7.30E+01	1.33E+00	1.43E-04	3.04E-01	1.81E+01	4.60E-01	5.87E+00	4.91E+00	9.41E+01
96	486783.18	3855743.15	6.95814	2.99636	5.80476	5.65127	44.17177	3.3603	3.28559	2.99636	7.13E+01	1.35E+00	1.47E-04	2.93E-01	2.04E+01	4.65E-01	5.67E+00	4.96E+00	9.45E+01
97	486533.18	3855793.15	7.66626	2.52703	6.90882	7.06661	46.9094	3.85288	3.87437	2.52703	7.86E+01	1.14E+00	1.75E-04	3.66E-01	2.16E+01	5.33E-01	6.69E+00	4.19E+00	1.05E+02
98	486583.18	3855793.15	7.68152	2.6189	6.48132	6.88761	41.15137	3.70005	3.81769	2.6189	7.88E+01	1.18E+00	1.64E-04	3.57E-01	1.90E+01	5.12E-01	6.59E+00	4.34E+00	1.02E+02
99	486633.18	3855793.15	7.5394	2.71058	6.40698	6.68844	37.91844	3.57201	3.74436	2.71058	7.73E+01	1.22E+00	1.63E-04	3.46E-01	1.75E+01	4.94E-01	6.46E+00	4.49E+00	9.88E+01
100	486683.18	3855793.15	7.39738	2.7939	6.30905	6.46751	35.80445	3.46409	3.65325	2.7939	7.59E+01	1.26E+00	1.60E-04	3.35E-01	1.65E+01	4.79E-01	6.31E+00	4.63E+00	9.61E+01
101	486733.18	3855793.15	7.27452	2.86429	6.14169	6.22904	40.54558	3.43197	3.55197	2.86429	7.46E+01	1.29E+00	1.56E-04	3.22E-01	1.87E+01	4.74E-01	6.13E+00	4.75E+00	9.68E+01
102	486783.18	3855793.15	7.14742	2.9198	5.97305	5.97851	44.73473	3.41081	3.43437	2.9198	7.33E+01	1.31E+00	1.52E-04	3.09E-01	2.06E+01	4.72E-01	5.93E+00	4.84E+00	9.71E+01
103	486533.18	3855843.15	7.88965	2.36594	6.66108	7.01713	50.15958	3.93336	3.79124	2.36594	8.09E+01	1.06E+00	1.69E-04	3.63E-01	2.31E+01	5.44E-01	6.55E+00	3.92E+00	1.09E+02
104	486583.18	3855843.15	7.86652	2.46257	6.35686	6.90194	45.69235	3.80555	3.75876	2.46257	8.07E+01	1.11E+00	1.61E-04	3.57E-01	2.11E+01	5.26E-01	6.49E+00	4.08E+00	1.06E+02
105	486633.18	3855843.15	7.7176	2.55847	6.42429	6.76695	42.78577	3.7015	3.71371	2.55847	7.91E+01	1.15E+00	1.63E-04	3.50E-01	1.97E+01	5.12E-01	6.41E+00	4.24E+00	1.03E+02
106	486683.18	3855843.15	7.57295	2.64939	6.46265	6.61206	39.43303	3.58918	3.65992	2.64939	7.77E+01	1.19E+00	1.64E-04	3.42E-01	1.82E+01	4.96E-01	6.32E+00	4.39E+00	9.98E+01
107	486733.18	3855843.15	7.43502	2.73399	6.46546	6.43502	40.71515	3.49265	3.59599	2.73399	7.62E+01	1.23E+00	1.64E-04	3.33E-01	1.88E+01	4.83E-01	6.21E+00	4.53E+00	9.87E+01
108	486783.18	3855843.15	7.31034	2.8077	6.41336	6.23713	45.56496	3.46806	3.52241	2.8077	7.50E+01	1.26E+00	1.63E-04	3.23E-01	2.10E+01	4.79E-01	6.08E+00	4.65E+00	9.95E+01
109	486533.18	3855893.15	8.17144	2.21738	6.99866	8.15316	51.76236	4.14313	4.24384	2.21738	8.38E+01	9.98E-01	1.78E-04	4.22E-01	2.39E+01	5.73E-01	7.33E+00	3.67E+00	1.13E+02
110	486583.18	3855893.15	8.0236	2.30691	6.81414	7.17714	50.29071	3.86311	3.8163	2.30691	8.23E+01	1.04E+00	1.73E-04	3.72E-01	2.32E+01	5.34E-01	6.59E+00	3.82E+00	1.10E+02
111	486633.18	3855893.15	7.88728	2.39997	6.59704	6.71544	47.6327	3.78184	3.62955	2.39997	8.09E+01	1.08E+00	1.67E-04	3.48E-01	2.20E+01	5.23E-01	6.27E+00	3.98E+00	1.07E+02
112	486683.18	3855893.15	7.74046	2.49312	6.50729	6.61168	44.49084	3.69109	3.59686	2.49312	7.94E+01	1.12E+00	1.65E-04	3.42E-01	2.05E+01	5.10E-01	6.21E+00	4.13E+00	1.04E+02
113	486733.18	3855893.15	7.59993	2.58383	6.49043	6.48308	40.88336	3.59594	3.56038	2.58383	7.79E+01	1.16E+00	1.65E-04	3.36E-01	1.88E+01	4.97E-01	6.15E+00	4.28E+00	1.01E+02
114	486783.18	3855893.15	7.45386	2.66539	6.47019	6.33807	46.04877	3.50758	3.51394	2.66539	7.64E+01	1.20E+00	1.64E-04	3.28E-01	2.12E+01	4.85E-01	6.07E+00	4.42E+00	1.01E+02

115	486533.18	3855943.15	8.36693	2.07924	7.53304	9.53419	53.88857	4.80781	4.94149	2.07924	8.58E+01	9.36E-01	1.91E-04	4.94E-01	2.48E+01	6.65E-01	8.53E+00	3.45E+00	1.18E+02
116	486583.18	3855943.15	8.1697	2.15598	7.46849	8.60655	54.3457	4.38035	4.52157	2.15598	8.38E+01	9.70E-01	1.89E-04	4.46E-01	2.50E+01	6.06E-01	7.81E+00	3.57E+00	1.15E+02
117	486633.18	3855943.15	8.04631	2.24378	7.39998	7.69264	52.2602	3.9583	4.10099	2.24378	8.25E+01	1.01E+00	1.88E-04	3.98E-01	2.41E+01	5.47E-01	7.08E+00	3.72E+00	1.12E+02
118	486683.18	3855943.15	7.88198	2.33039	7.33149	6.80779	49.89082	3.73766	3.75188	2.33039	8.08E+01	1.05E+00	1.86E-04	3.52E-01	2.30E+01	5.17E-01	6.48E+00	3.86E+00	1.08E+02
119	486733.18	3855943.15	7.75421	2.42145	7.26085	6.42054	46.20574	3.65644	3.48601	2.42145	7.95E+01	1.09E+00	1.84E-04	3.32E-01	2.13E+01	5.06E-01	6.02E+00	4.01E+00	1.05E+02
120	486783.18	3855943.15	7.59852	2.5083	7.19044	6.31174	45.60769	3.57591	3.45518	2.5083	7.79E+01	1.13E+00	1.82E-04	3.27E-01	2.10E+01	4.94E-01	5.97E+00	4.16E+00	1.03E+02
121	486533.18	3855993.15	8.51546	1.95665	8.09198	10.63702	55.45986	5.36752	5.61716	1.95665	8.73E+01	8.81E-01	2.05E-04	5.51E-01	2.56E+01	7.42E-01	9.70E+00	3.24E+00	1.22E+02
122	486583.18	3855993.15	8.34748	2.02414	7.97265	9.79871	56.89552	4.96801	5.16431	2.02414	8.56E+01	9.11E-01	2.02E-04	5.07E-01	2.62E+01	6.87E-01	8.92E+00	3.35E+00	1.19E+02
123	486633.18	3855993.15	8.19635	2.09945	7.85516	8.9613	56.38652	4.57353	4.73841	2.09945	8.40E+01	9.45E-01	1.99E-04	4.64E-01	2.60E+01	6.32E-01	8.18E+00	3.48E+00	1.17E+02
124	486683.18	3855993.15	8.03011	2.17941	7.74045	8.11732	54.82435	4.17991	4.35582	2.17941	8.23E+01	9.81E-01	1.96E-04	4.20E-01	2.53E+01	5.78E-01	7.52E+00	3.61E+00	1.13E+02
125	486733.18	3855993.15	7.89284	2.26445	7.62732	7.28189	51.75509	3.79183	3.99951	2.26445	8.09E+01	1.02E+00	1.93E-04	3.77E-01	2.39E+01	5.24E-01	6.91E+00	3.75E+00	1.10E+02
126	486783.18	3855993.15	7.74803	2.35092	7.51682	6.46808	48.14525	3.59739	3.68879	2.35092	7.94E+01	1.06E+00	1.91E-04	3.35E-01	2.22E+01	4.97E-01	6.37E+00	3.90E+00	1.06E+02
127	486533.18	3856043.15	8.67731	1.85356	8.07895	11.9071	55.11356	5.94482	6.22806	1.85356	8.90E+01	8.34E-01	2.05E-04	6.16E-01	2.54E+01	8.22E-01	1.08E+01	3.07E+00	1.24E+02
128	486583.18	3856043.15	8.48734	1.91118	7.93108	10.8019	58.77106	5.45591	5.79087	1.91118	8.70E+01	8.60E-01	2.01E-04	5.59E-01	2.71E+01	7.54E-01	1.00E+01	3.17E+00	1.23E+02
129	486633.18	3856043.15	8.34451	1.97597	7.78711	9.94847	59.6093	5.0694	5.35975	1.97597	8.56E+01	8.89E-01	1.98E-04	5.15E-01	2.75E+01	7.01E-01	9.25E+00	3.27E+00	1.21E+02
130	486683.18	3856043.15	8.1667	2.04552	7.64904	9.18037	59.3323	4.7159	4.96026	2.04552	8.37E+01	9.21E-01	1.94E-04	4.75E-01	2.73E+01	6.52E-01	8.56E+00	3.39E+00	1.18E+02
131	486733.18	3856043.15	8.03452	2.12053	7.51439	8.43096	56.95559	4.35242	4.57536	2.12053	8.24E+01	9.54E-01	1.91E-04	4.36E-01	2.62E+01	6.02E-01	7.90E+00	3.51E+00	1.15E+02
132	486783.18	3856043.15	7.86608	2.19883	7.3853	7.67633	54.16362	3.99965	4.23742	2.19883	8.07E+01	9.90E-01	1.87E-04	3.97E-01	2.50E+01	5.53E-01	7.32E+00	3.64E+00	1.11E+02
133	486533.18	3856093.15	8.817	1.76893	7.64615	13.01454	52.94972	6.55872	6.66848	1.76893	9.04E+01	7.96E-01	1.94E-04	6.74E-01	2.44E+01	9.07E-01	1.15E+01	2.93E+00	1.26E+02
134	486583.18	3856093.15	8.64315	1.81442	7.55766	11.96373	58.74447	6.07653	6.27454	1.81442	8.86E+01	8.17E-01	1.92E-04	6.19E-01	2.71E+01	8.40E-01	1.08E+01	3.01E+00	1.26E+02
135	486633.18	3856093.15	8.48327	1.86754	7.49194	10.97636	61.75994	5.61012	5.88102	1.86754	8.70E+01	8.40E-01	1.90E-04	5.68E-01	2.85E+01	7.76E-01	1.02E+01	3.09E+00	1.25E+02
136	486683.18	3856093.15	8.31009	1.9263	7.51422	9.98629	62.86089	5.16952	5.49842	1.9263	8.52E+01	8.67E-01	1.91E-04	5.17E-01	2.90E+01	7.15E-01	9.49E+00	3.19E+00	1.23E+02
137	486733.18	3856093.15	8.16295	1.99201	7.46343	9.29159	61.83955	4.84097	5.12366	1.99201	8.37E+01	8.96E-01	1.89E-04	4.81E-01	2.85E+01	6.69E-01	8.85E+00	3.30E+00	1.20E+02
138	486783.18	3856093.15	8.00205	2.06453	7.53612	8.66604	59.70299	4.50847	4.77158	2.06453	8.21E+01	9.29E-01	1.91E-04	4.49E-01	2.75E+01	6.23E-01	8.24E+00	3.42E+00	1.16E+02
139	486533.18	3856143.15	8.99123	1.70475	7.92172	14.23534	47.99743	7.06273	7.03257	1.70475	9.22E+01	7.67E-01	2.01E-04	7.37E-01	2.21E+01	9.76E-01	1.21E+01	2.82E+00	1.26E+02
140	486583.18	3856143.15	8.82296	1.74048	7.81398	13.04018	56.32593	6.5969	6.68991	1.74048	9.05E+01	7.83E-01	1.98E-04	6.75E-01	2.60E+01	9.12E-01	1.16E+01	2.88E+00	1.27E+02
141	486633.18	3856143.15	8.63201	1.78486	7.87722	12.02333	62.19712	6.11596	6.32134	1.78486	8.85E+01	8.03E-01	2.00E-04	6.22E-01	2.87E+01	8.46E-01	1.09E+01	2.96E+00	1.27E+02
142	486683.18	3856143.15	8.46113	1.83442	7.88438	11.09666	65.14265	5.67728	5.96158	1.83442	8.68E+01	8.26E-01	2.00E-04	5.74E-01	3.00E+01	7.85E-01	1.03E+01	3.04E+00	1.26E+02
143	486733.18	3856143.15	8.29898	1.89015	7.88916	10.226	65.80843	5.25845	5.60723	1.89015	8.51E+01	8.51E-01	2.00E-04	5.29E-01	3.03E+01	7.27E-01	9.68E+00	3.13E+00	1.24E+02
144	486783.18	3856143.15	8.11025	1.95276	8.05921	9.4273	65.26239	4.90439	5.27296	1.95276	8.32E+01	8.79E-01	2.04E-04	4.88E-01	3.01E+01	6.78E-01	9.10E+00	3.24E+00	1.21E+02
145	486533.18	3856193.15	9.16718	1.65551	8.34039	15.74398	40.79591	7.59911	7.20887	1.65551	9.40E+01	7.45E-01	2.12E-04	8.15E-01	1.88E+01	1.05E+00	1.24E+01	2.74E+00	1.25E+02
146	486583.18	3856193.15	8.99754	1.68168	8.14181	14.35747	51.57129	7.08695	6.94061	1.68168	9.23E+01	7.57E-01	2.07E-04	7.43E-01	2.38E+01	9.80E-01	1.20E+01	2.79E+00	1.28E+02
147	486633.18	3856193.15	8.79646	1.71798	8.18711	13.05429	60.36426	6.60175	6.62019	1.71798	9.02E+01	7.73E-01	2.08E-04	6.76E-01	2.78E+01	9.13E-01	1.14E+01	2.85E+00	1.29E+02
148	486683.18	3856193.15	8.58822	1.76176	8.32667	12.05321	66.35842	6.1331	6.25015	1.76176	8.81E+01	7.93E-01	2.11E-04	6.24E-01	3.06E+01	8.48E-01	1.08E+01	2.92E+00	1.29E+02
149	486733.18	3856193.15	8.4293	1.80706	8.25536	11.18444	68.85105	5.73663	5.94728	1.80706	8.64E+01	8.13E-01	2.09E-04	5.79E-01	3.17E+01	7.93E-01	1.03E+01	2.99E+00	1.28E+02
150	486783.18	3856193.15	8.23527	1.86332	8.40477	10.40843	69.82652	5.36554	5.65002	1.86332	8.44E+01	8.39E-01	2.13E-04	5.39E-01	3.22E+01	7.42E-01	9.75E+00	3.09E+00	1.25E+02
151	486533.18	3856243.15	9.38633	1.61452	8.91283	18.0066	41.67132	8.31889	7.42174	1.61452	9.62E+01	7.27E-01	2.26E-04	9.32E-01	1.92E+01	1.15E+00	1.28E+01	2.68E+00	1.28E+02
152	486583.18	3856243.15	9.16995	1.63856	8.7308	16.09371	44.39038	7.67126	7.1022	1.63856	9.40E+01	7.37E-01	2.21E-04	8.33E-01	2.05E+01	1.06E+00	1.23E+01	2.71E+00	1.27E+02
153	486633.18	3856243.15	8.96592	1.66704	8.59844	14.53925	55.97119	7.11548	6.80405	1.66704	9.19E+01	7.50E-01	2.18E-04	7.53E-01	2.58E+01	9.84E-01	1.17E+01	2.76E+00	1.29E+02
154	486683.18	3856243.15	8.76202	1.70185	8.62353	13.28541	64.8449	6.62211	6.49126	1.70185	8.98E+01	7.66E-01	2.19E-04	6.88E-01	2.99E+01	9.16E-01	1.12E+01	2.82E+00	1.30E+02
155	486733.18	3856243.15	8.56008	1.74347	8.70891	12.25052	70.53648	6.1658	6.21148	1.74347	8.78E+01	7.85E-01	2.21E-04	6.34E-01	3.25E+01	8.52E-01	1.07E+01	2.89E+00	1.30E+02
156	486783.18	3856243.15	8.3856	1.78806	8.67672	11.36868	73.00626	5.78624	5.94882	1.78806	8.60E+01	8.05E-01	2.20E-04	5.89E-01	3.36E+01	8.00E-01	1.03E+01	2.96E+00	1.29E+02
157	486533.18	3856293.15	9.6291	1.71519	8.89544	21.08492	52.25373	9.11662	7.68344	1.71519	9.87E+01	7.72E-01	2.26E-04	1.09E+00	2.41E+01	1.26E+00	1.33E+01	2.84E+00	1.36E+02
158	486583.18	3856293.15	9.39075	1.60081	8.88435	18.4515	46.8819	8.32055	7.32021	1.60081	9.63E+01	7.20E-01	2.25E-04	9.55E-01	2.16E+01	1.15E+00	1.26E+01	2.65E+00	1.31E+02
159	486633.18	3856293.15	9.16092	1.62523	8.95243	16.4185	48.54013	7.64353	6.99801	1.62523	9.39E+01	7.31E-01	2.27E-04	8.50E-01	2.24E+01	1.06E+00	1.21E+01	2.69E+00	1.28E+02
160	486683.18	3856293.15	8.94371	1.65388	9.04345	14.8059	60.66771	7.08404	6.70638	1.65388	9.17E+01	7.44E-01	2.29E-04	7.66E-01	2.80E+01	9.79E-01	1.16E+01	2.74E+00	1.31E+02
161	486733.18	3856293.15	8.71989	1.68995	9.26186	13.48883	69.82054	6.60156	6.41921	1.68995	8.94E+01	7.61E-01	2.35E-04	6.98E-01	3.22E+01	9.13E-01	1.11E+01	2.80E+00	1.32E+02
162	486783.18	3856293.15	8.53597	1.72664	9.28999	12.45327	74.94105	6.20335	6.174	1.72664	8.75E+01	7.77E-01	2.36E-04	6.45E-01	3.45E+01	8.58E-01	1.07E+01	2.86E+00	1.32E+02
163	486783.18	3856343.15	8.68801	1.68042	8.53373	13.42379	75.09329	6.70877	6.2931	1.68042	8.91E+01	7.56E-01	2.16E-04	6.95E-01	3.46E+01	9.28E-01	1.09E+01	2.78E+00	1.34E+02
164	486833.18	3856343.15	8.49336	1.71734	8.70553	12.454	80.0835	6.30368	6.08485	1.71734	8.71E+01	7.73E-01	2.21E-04	6.45E-01	3.69E+01	8.71E-01	1.05E+01	2.85E+00	1.34E+02
165	486883.18	3856343.15	8.30909	1.75719	8.86539	11.67516	82.08709	5.94133	5.88509	1.75719	8.52E+01	7.91E-01	2.25E-04	6.04E-01	3.78E+01	8.21E-01	1.02E+01	2.91E+00	1.32E+02
166	486783.18	3856393.15	8.89997	1.63619	8.18006	14.6076	71.63189	7.29457	6.44949	1.63619	9.13E+01	7.36E-01	2.08E-04	7.56E-01	3.30E+01	1.01E+00	1.11E+01	2.71E+00	1.35E+02
167	486833.18	3856393.15	8.68421	1.66703	7.8985	13.49432	80.35396	6.80754	6.22037	1.66703	8.90E+01	7.50E-01	2.00E-04	6.99E-01	3.70E+01	9.41E-01	1.07E+01	2.76E+00	1.36E+02
168	486883.18	3856393.15	8.50009	1.69853	7.57779	12.56162	84.73149	6.38856	6.01776	1.69853	8.72E+01	7.64E-01	1.92E-04	6.50E-01	3.90E+01	8.83E-01	1.04E+01	2.81E+00	1.36E+02
169	487208.74	3856886.11	9.54732	1.85492	10.10779	16.82424	148.3507	8.12685	6.06167	1.85492	9.79E+01	8.35E-01	2.56E-04	8.71E-01	6.84E+01	1.12E+00	1.05E+01	3.07E+00	1.76E+02
170	487258.74	3856886.11	9.28264	1.84395	13.03457	15.12756	142.8652	7.52765	5.82138	1.84395	9.52E+01	8.30E-01	3.31E-04	7.83E-01	6.58E+01	1.04E+00	1.01E+01	3.06E+00	1.71E+02
171	487308.74	3856886.11	9.03882	1.83443	9.63642	13.86174	145.9622	7.03618	5.61098	1.83443	9.27E+01	8.26E-01	2.44E-04	7.18E-01	6.73E+01	9.73E-01	9.69E+00	3.04E+00	1.69E+02
172	487358.74	3856886.11	8.81963	1.81672	9.06417	12.87507	146.938	6.6261	5.42916	1.81672	9.04E+01	8.18E-01	2.30E-04	6.66E-01	6.77E+01	9.16E-01	9.37E+00	3.01E+00	1.67E+02
173	487208.74	3856936.11	9.90609	1.91058	10.33163	19.42782	149.9117	8.9886	6.30013	1.91058	1.02E+02	8.60E-01	2.62E-04	1.01E+00	6.91E+01	1.24E+00	1.09E+01	3.17E+00	1.81E+02

174	487258.74	3856936.11	9.60909	1.90173	13.81482	16.77891	139.3417	8.18242	5.99261	1.90173	9.85E+01	8.56E-01	3.50E-04	8.69E-01	6.42E+01	1.13E+00	1.03E+01	3.15E+00	1.73E+02
175	487308.74	3856936.11	9.33614	1.89573	10.26991	15.00047	132.7668	7.5523	5.74238	1.89573	9.57E+01	8.53E-01	2.61E-04	7.77E-01	6.12E+01	1.04E+00	9.91E+00	3.14E+00	1.66E+02
176	487358.74	3856936.11	9.08979	1.88275	9.18559	13.72588	136.4506	7.04833	5.5346	1.88275	9.32E+01	8.47E-01	2.33E-04	7.11E-01	6.29E+01	9.74E-01	9.56E+00	3.12E+00	1.65E+02
177	487208.74	3856986.11	10.30062	1.96858	10.50669	24.35087	158.2185	10.25507	6.57349	1.96858	1.06E+02	8.86E-01	2.67E-04	1.26E+00	7.29E+01	1.42E+00	1.13E+01	3.26E+00	1.90E+02
178	487258.74	3856986.11	9.9658	1.97302	14.78032	19.51311	147.883	9.08148	6.24077	1.97302	1.02E+02	8.88E-01	3.75E-04	1.01E+00	6.82E+01	1.26E+00	1.08E+01	3.27E+00	1.81E+02
179	487308.74	3856986.11	9.66712	1.95529	10.90566	16.76066	138.9495	8.24775	5.94708	1.95529	9.91E+01	8.80E-01	2.77E-04	8.68E-01	6.40E+01	1.14E+00	1.03E+01	3.24E+00	1.73E+02
180	487358.74	3856986.11	9.38726	1.95236	8.39015	14.88989	128.2887	7.58682	5.67359	1.95236	9.63E+01	8.79E-01	2.13E-04	7.71E-01	5.91E+01	1.05E+00	9.80E+00	3.23E+00	1.65E+02
181	487208.74	3857036.11	10.71404	2.02783	10.59948	36.10479	162.8021	12.21709	6.89248	2.02783	1.10E+02	9.13E-01	2.69E-04	1.87E+00	7.50E+01	1.69E+00	1.19E+01	3.36E+00	1.98E+02
182	487258.74	3857036.11	10.36357	2.02659	15.52081	24.81934	153.5507	10.44076	6.50371	2.02659	1.06E+02	9.12E-01	3.94E-04	1.28E+00	7.08E+01	1.44E+00	1.12E+01	3.36E+00	1.89E+02
183	487308.74	3857036.11	10.02427	2.02972	11.71928	19.67302	143.5508	9.20193	6.17859	2.02972	1.03E+02	9.13E-01	2.97E-04	1.02E+00	6.62E+01	1.27E+00	1.07E+01	3.36E+00	1.79E+02
184	487358.74	3857036.11	9.71515	2.02183	8.8955	16.72146	133.8517	8.31138	5.88928	2.02183	9.96E+01	9.10E-01	2.26E-04	8.66E-01	6.17E+01	1.15E+00	1.02E+01	3.35E+00	1.71E+02
185	487427.14	3856878.23	8.49598	1.79886	8.54786	11.656	150.5441	6.09134	5.18874	1.79886	8.71E+01	8.10E-01	2.17E-04	6.03E-01	6.94E+01	8.42E-01	8.96E+00	2.98E+00	1.65E+02
186	487477.14	3856878.23	8.3098	1.78584	8.19584	10.98904	156.4252	5.78809	5.04289	1.78584	8.52E+01	8.04E-01	2.08E-04	5.69E-01	7.21E+01	8.00E-01	8.71E+00	2.96E+00	1.65E+02
187	487527.14	3856878.23	8.13876	1.76815	7.82183	10.40037	156.5233	5.511	4.90477	1.76815	8.35E+01	7.96E-01	1.98E-04	5.38E-01	7.21E+01	7.62E-01	8.47E+00	2.93E+00	1.63E+02
188	487427.14	3856928.23	8.73792	1.86253	9.08764	12.29441	136.0953	6.42389	5.27492	1.86253	8.96E+01	8.38E-01	2.31E-04	6.36E-01	6.27E+01	8.88E-01	9.11E+00	3.09E+00	1.61E+02
189	487477.14	3856928.23	8.54068	1.8424	8.88847	11.56216	142.0528	6.09015	5.12158	1.8424	8.76E+01	8.29E-01	2.25E-04	5.99E-01	6.55E+01	8.42E-01	8.84E+00	3.05E+00	1.61E+02
190	487527.14	3856928.23	8.35199	1.82863	8.64139	10.91565	146.8914	5.78652	4.97982	1.82863	8.56E+01	8.23E-01	2.19E-04	5.65E-01	6.77E+01	8.00E-01	8.60E+00	3.03E+00	1.61E+02
191	487577.14	3856928.23	8.17639	1.81232	8.35909	10.34327	147.9895	5.51043	4.84818	1.81232	8.38E+01	8.16E-01	2.12E-04	5.35E-01	6.82E+01	7.62E-01	8.37E+00	3.00E+00	1.60E+02
192	487627.14	3856928.23	8.01896	1.78801	8.06604	9.83314	146.6576	5.46125	4.72175	1.78801	8.22E+01	8.05E-01	2.05E-04	5.09E-01	6.76E+01	7.55E-01	8.15E+00	2.96E+00	1.57E+02
193	487677.14	3856928.23	7.8602	1.77378	7.75525	9.34605	140.9038	5.58677	4.59187	1.77378	8.06E+01	7.98E-01	1.97E-04	4.84E-01	6.49E+01	7.72E-01	7.93E+00	2.94E+00	1.53E+02
194	487727.14	3856928.23	7.70847	1.75933	7.43289	8.88714	132.9144	5.53936	4.46477	1.75933	7.90E+01	7.92E-01	1.89E-04	4.60E-01	6.13E+01	7.66E-01	7.71E+00	2.92E+00	1.47E+02
195	487777.14	3856928.23	7.57218	1.75759	7.09792	8.45633	123.9573	5.60668	4.34346	1.75759	7.76E+01	7.91E-01	1.80E-04	4.38E-01	5.71E+01	7.75E-01	7.50E+00	2.91E+00	1.41E+02
196	487427.14	3856978.23	9.00675	1.92054	8.78005	13.061	128.6926	6.82831	5.38222	1.92054	9.24E+01	8.64E-01	2.23E-04	6.76E-01	5.93E+01	9.44E-01	9.29E+00	3.18E+00	1.60E+02
197	487477.14	3856978.23	8.78407	1.90923	8.84682	12.17211	126.519	6.43096	5.20986	1.90923	9.01E+01	8.59E-01	2.24E-04	6.30E-01	5.83E+01	8.89E-01	8.99E+00	3.16E+00	1.57E+02
198	487527.14	3856978.23	8.57837	1.89523	8.83774	11.44212	133.1239	6.08747	5.05507	1.89523	8.80E+01	8.53E-01	2.24E-04	5.92E-01	6.13E+01	8.42E-01	8.73E+00	3.14E+00	1.57E+02
199	487577.14	3856978.23	8.38955	1.87689	8.7568	10.8202	136.965	5.78536	4.91446	1.87689	8.60E+01	8.45E-01	2.22E-04	5.60E-01	6.31E+01	8.00E-01	8.48E+00	3.11E+00	1.57E+02
200	487627.14	3856978.23	8.21876	1.85121	8.60643	10.28033	137.5435	5.6914	4.78572	1.85121	8.43E+01	8.33E-01	2.18E-04	5.32E-01	6.34E+01	7.87E-01	8.26E+00	3.07E+00	1.55E+02
201	487677.14	3856978.23	8.04908	1.83634	8.41799	9.77801	133.5365	5.83629	4.65929	1.83634	8.25E+01	8.26E-01	2.14E-04	5.06E-01	6.15E+01	8.07E-01	8.04E+00	3.04E+00	1.51E+02
202	487727.14	3856978.23	7.90922	1.80094	8.15848	9.33029	129.5716	5.70489	4.54527	1.80094	8.11E+01	8.11E-01	2.07E-04	4.83E-01	5.97E+01	7.89E-01	7.85E+00	2.98E+00	1.48E+02
203	487777.14	3856978.23	7.7365	1.80343	7.93292	8.87681	118.5596	5.84583	4.41815	1.80343	7.93E+01	8.12E-01	2.01E-04	4.60E-01	5.46E+01	8.08E-01	7.63E+00	2.99E+00	1.41E+02
204	487427.14	3857028.23	9.29047	1.99341	8.25053	14.06113	119.2511	7.32582	5.49255	1.99341	9.53E+01	8.97E-01	2.09E-04	7.28E-01	5.50E+01	1.01E+00	9.48E+00	3.30E+00	1.59E+02
205	487477.14	3857028.23	9.04677	1.9787	8.00885	12.91967	119.2386	6.84189	5.30279	1.9787	9.28E+01	8.91E-01	2.03E-04	6.69E-01	5.50E+01	9.46E-01	9.16E+00	3.28E+00	1.56E+02
206	487527.14	3857028.23	8.82476	1.95942	8.22844	12.04637	118.7248	6.43983	5.13613	1.95942	9.05E+01	8.82E-01	2.09E-04	6.24E-01	5.47E+01	8.90E-01	8.87E+00	3.25E+00	1.53E+02
207	487577.14	3857028.23	8.61707	1.94318	8.38197	11.33146	125.1753	6.0915	4.98497	1.94318	8.84E+01	8.75E-01	2.13E-04	5.87E-01	5.77E+01	8.42E-01	8.61E+00	3.22E+00	1.54E+02
208	487627.14	3857028.23	8.4326	1.91438	8.45373	10.74076	128.2378	5.93619	4.85176	1.91438	8.65E+01	8.62E-01	2.14E-04	5.56E-01	5.91E+01	8.21E-01	8.38E+00	3.17E+00	1.53E+02
209	487677.14	3857028.23	8.25173	1.89751	8.47391	10.2027	126.3047	6.0722	4.72353	1.89751	8.46E+01	8.54E-01	2.15E-04	5.28E-01	5.82E+01	8.39E-01	8.16E+00	3.14E+00	1.50E+02
210	487727.14	3857028.23	8.07628	1.88601	8.44123	9.71167	120.7354	6.16587	4.60084	1.88601	8.28E+01	8.49E-01	2.14E-04	5.03E-01	5.56E+01	8.52E-01	7.94E+00	3.13E+00	1.45E+02
211	487777.14	3857028.23	7.9162	1.86662	8.34568	9.27031	117.8359	6.05701	4.4862	1.86662	8.12E+01	8.40E-01	2.12E-04	4.80E-01	5.43E+01	8.37E-01	7.75E+00	3.09E+00	1.42E+02
212	487427.14	3857078.23	9.60032	2.06271	8.90765	15.69946	124.4895	7.99231	5.70807	2.06271	9.84E+01	9.28E-01	2.26E-04	8.13E-01	5.74E+01	1.10E+00	9.86E+00	3.42E+00	1.65E+02
213	487477.14	3857078.23	9.33229	2.04318	8.64916	14.08699	115.3182	7.38059	5.45806	2.04318	9.57E+01	9.20E-01	2.19E-04	7.29E-01	5.31E+01	1.02E+00	9.42E+00	3.39E+00	1.58E+02
214	487527.14	3857078.23	9.08483	2.02802	8.33864	12.82887	110.7004	6.87794	5.22684	2.02802	9.32E+01	9.13E-01	2.12E-04	6.64E-01	5.10E+01	9.51E-01	9.02E+00	3.36E+00	1.52E+02
215	487577.14	3857078.23	8.85897	2.00887	7.98134	11.93761	112.3526	6.46299	5.06316	2.00887	9.08E+01	9.04E-01	2.02E-04	6.18E-01	5.18E+01	8.94E-01	8.74E+00	3.33E+00	1.50E+02
216	487627.14	3857078.23	8.65323	1.98449	7.62716	11.23235	117.6917	6.28313	4.91816	1.98449	8.87E+01	8.93E-01	1.93E-04	5.81E-01	5.42E+01	8.69E-01	8.49E+00	3.29E+00	1.51E+02
217	487677.14	3857078.23	8.45823	1.96628	7.84803	10.63254	117.9805	6.43214	4.7855	1.96628	8.67E+01	8.85E-01	1.99E-04	5.50E-01	5.44E+01	8.89E-01	8.26E+00	3.26E+00	1.48E+02
218	487727.14	3857078.23	8.27356	1.95032	8.01149	10.10727	114.373	6.49678	4.66465	1.95032	8.48E+01	8.78E-01	2.03E-04	5.23E-01	5.27E+01	8.98E-01	8.05E+00	3.23E+00	1.45E+02
219	487777.14	3857078.23	8.10621	1.92592	8.10521	9.64795	113.7777	6.25352	4.55078	1.92592	8.31E+01	8.67E-01	2.06E-04	4.99E-01	5.24E+01	8.65E-01	7.86E+00	3.19E+00	1.42E+02
220	487427.14	3857128.23	9.93152	2.13429	8.8259	18.14803	129.0215	8.90573	5.92177	2.13429	1.02E+02	9.61E-01	2.24E-04	9.39E-01	5.95E+01	1.23E+00	1.02E+01	3.54E+00	1.71E+02
221	487477.14	3857128.23	9.63459	2.10967	8.80903	15.88185	120.8667	8.08871	5.66642	2.10967	9.88E+01	9.49E-01	2.23E-04	8.22E-01	5.57E+01	1.12E+00	9.78E+00	3.50E+00	1.64E+02
222	487527.14	3857128.23	9.36418	2.08614	8.83722	14.28633	117.9853	7.44777	5.42642	2.08614	9.60E+01	9.39E-01	2.24E-04	7.40E-01	5.44E+01	1.03E+00	9.37E+00	3.46E+00	1.59E+02
223	487577.14	3857128.23	9.11399	2.06955	8.54485	12.89168	117.0144	6.92242	5.19563	2.06955	9.35E+01	9.31E-01	2.17E-04	6.67E-01	5.39E+01	9.57E-01	8.97E+00	3.43E+00	1.55E+02
224	487627.14	3857128.23	8.8838	2.05273	8.31909	11.85519	112.9918	6.48953	4.99953	2.05273	9.11E+01	9.24E-01	2.11E-04	6.14E-01	5.21E+01	8.97E-01	8.63E+00	3.40E+00	1.51E+02
225	487677.14	3857128.23	8.67608	2.027	8.03431	11.14154	109.6311	6.63215	4.85734	2.027	8.90E+01	9.12E-01	2.04E-04	5.77E-01	5.05E+01	9.17E-01	8.39E+00	3.36E+00	1.47E+02
226	487727.14	3857128.23	8.47319	2.01743	7.73545	10.52676	107.6322	6.78201	4.72416	2.01743	8.69E+01	9.08E-01	1.96E-04	5.45E-01	4.96E+01	9.38E-01	8.16E+00	3.34E+00	1.44E+02
227	487777.14	3857128.23	8.29298	1.9923	7.39127	10.02846	105.0299	6.71582	4.60781	1.9923	8.50E+01	8.97E-01	1.88E-04	5.19E-01	4.84E+01	9.28E-01	7.96E+00	3.30E+00	1.40E+02
228	488049.44	3856539.39	6.13041	2.14174	8.47437	4.33784	119.1444	2.94485	2.85918	2.14174	6.29E+01	9.64E-01	2.15E-04	2.25E-01	5.49E+01	4.07E-01	4.94E+00	3.55E+00	1.21E+02
229	488099.44	3856539.39	6.07141	2.10013	8.6216	4.27127	105.0349	2.89891	2.8113	2.10013	6.23E+01	9.45E-01	2.19E-04	2.21E-01	4.84E+01	4.01E-01	4.85E+00	3.48E+00	1.14E+02
230	488149.44	3856539.39	6.00335	2.04439	8.23315	4.41817	93.74252	2.86	2.77489	2.04439	6.16E+01	9.20E-01	2.09E-04	2.29E-01	4.32E+01	3.95E-01	4.79E+00	3.39E+00	1.08E+02
231	488049.44	3856589.39	6.20599	2.14765	8.31471	4.59896	119.0247	3.00481	2.94053	2.14765	6.36E+01	9.67E-01	2.11E-04	2.38E-01	5.49E+01	4.15E-01	5.08E+00	3.56E+00	1.22E+02
232	488099.44	3856589.39	6.1414	2.11537	8.79257	4.40688	103.4581	2.95902	2.87835	2.11537	6.30E+01	9.52E-01	2.23E-04	2.28E-01	4.77E+01	4.09E-01	4.97E+00	3.51E+00	1.14E+02

233	488149.44	3856589.39	6.07583	2.07278	8.71344	4.54851	95.7245	2.9164	2.82685	2.07278	6.23E+01	9.33E-01	2.21E-04	2.35E-01	4.41E+01	4.03E-01	4.88E+00	3.43E+00	1.09E+02
234	488199.44	3856589.39	6.01928	2.02801	8.05871	4.63485	90.73755	2.87202	2.7842	2.02801	6.17E+01	9.13E-01	2.04E-04	2.40E-01	4.18E+01	3.97E-01	4.81E+00	3.36E+00	1.07E+02
235	488249.44	3856589.39	5.93268	2.00536	7.00087	4.84608	84.75637	2.92957	2.75315	2.00536	6.08E+01	9.03E-01	1.78E-04	2.51E-01	3.91E+01	4.05E-01	4.75E+00	3.32E+00	1.03E+02
236	488049.44	3856639.39	6.29123	2.14512	7.95625	4.86375	115.2099	3.10679	3.02915	2.14512	6.45E+01	9.65E-01	2.02E-04	2.52E-01	5.31E+01	4.30E-01	5.23E+00	3.55E+00	1.21E+02
237	488099.44	3856639.39	6.22297	2.1225	8.74311	4.65273	102.7424	3.04974	2.95532	2.1225	6.38E+01	9.55E-01	2.22E-04	2.41E-01	4.73E+01	4.22E-01	5.10E+00	3.52E+00	1.14E+02
238	488149.44	3856639.39	6.15616	2.09137	9.00277	4.66572	96.33375	3.00864	2.89118	2.09137	6.31E+01	9.41E-01	2.28E-04	2.42E-01	4.44E+01	4.16E-01	4.99E+00	3.47E+00	1.11E+02
239	488199.44	3856639.39	6.0812	2.04716	8.67737	4.82396	91.51876	3.01815	2.83492	2.04716	6.24E+01	9.21E-01	2.20E-04	2.50E-01	4.22E+01	4.17E-01	4.89E+00	3.39E+00	1.08E+02
240	488249.44	3856639.39	6.01268	1.99724	7.80015	4.95619	92.17483	3.0622	2.7906	1.99724	6.17E+01	8.99E-01	1.98E-04	2.57E-01	4.25E+01	4.23E-01	4.82E+00	3.31E+00	1.07E+02
241	488299.44	3856639.39	5.94494	1.95429	6.53208	5.1109	91.11148	3.23237	2.75399	1.95429	6.10E+01	8.80E-01	1.66E-04	2.65E-01	4.20E+01	4.47E-01	4.75E+00	3.24E+00	1.06E+02
242	488349.44	3856639.39	5.88652	2.0061	5.954	5.26173	89.12687	3.58529	2.72554	2.0061	6.04E+01	9.03E-01	1.51E-04	2.72E-01	4.11E+01	4.96E-01	4.71E+00	3.32E+00	1.04E+02
243	488399.44	3856639.39	5.8106	2.0579	5.78332	5.53368	85.69328	4.26256	2.70228	2.0579	5.96E+01	9.26E-01	1.47E-04	2.86E-01	3.95E+01	5.89E-01	4.67E+00	3.41E+00	1.02E+02
244	488099.44	3856689.39	6.30452	2.11264	8.49003	4.9357	101.5287	3.18336	3.04661	2.11264	6.46E+01	9.51E-01	2.15E-04	2.56E-01	4.68E+01	4.40E-01	5.26E+00	3.50E+00	1.15E+02
245	488149.44	3856689.39	6.23642	2.09172	9.08737	4.80208	100.7401	3.14139	2.97062	2.09172	6.39E+01	9.41E-01	2.31E-04	2.49E-01	4.64E+01	4.34E-01	5.13E+00	3.47E+00	1.14E+02
246	488199.44	3856689.39	6.16036	2.05503	9.10254	4.96527	99.40705	3.1613	2.90379	2.05503	6.32E+01	9.25E-01	2.31E-04	2.57E-01	4.58E+01	4.37E-01	5.01E+00	3.41E+00	1.12E+02
247	488249.44	3856689.39	6.09771	2.02039	8.50093	5.06451	97.2214	3.22101	2.84633	2.02039	6.25E+01	9.09E-01	2.16E-04	2.62E-01	4.48E+01	4.45E-01	4.91E+00	3.35E+00	1.11E+02
248	488299.44	3856689.39	6.01796	1.96101	7.40725	5.26269	93.01432	3.53222	2.79672	1.96101	6.17E+01	8.83E-01	1.88E-04	2.72E-01	4.29E+01	4.88E-01	4.83E+00	3.25E+00	1.08E+02
249	488349.44	3856689.39	5.95652	1.9099	6.54718	5.41551	89.1819	4.03606	2.75633	1.9099	6.11E+01	8.60E-01	1.66E-04	2.80E-01	4.11E+01	5.58E-01	4.76E+00	3.16E+00	1.05E+02
250	488399.44	3856689.39	5.91028	1.95443	6.39361	5.53492	85.79843	4.62266	2.72398	1.95443	6.06E+01	8.80E-01	1.62E-04	2.87E-01	3.95E+01	6.39E-01	4.70E+00	3.24E+00	1.03E+02
251	488099.44	3856739.39	6.39008	2.08613	8.04254	5.25033	107.3572	3.33857	3.14408	2.08613	6.55E+01	9.39E-01	2.04E-04	2.72E-01	4.95E+01	4.62E-01	5.43E+00	3.46E+00	1.19E+02
252	488149.44	3856739.39	6.32489	2.07875	8.94866	4.99077	105.9418	3.27856	3.0628	2.07875	6.49E+01	9.36E-01	2.27E-04	2.58E-01	4.88E+01	4.53E-01	5.29E+00	3.44E+00	1.17E+02
253	488199.44	3856739.39	6.2393	2.04592	9.3226	5.13308	101.0083	3.34653	2.97875	2.04592	6.40E+01	9.21E-01	2.36E-04	2.66E-01	4.65E+01	4.63E-01	5.14E+00	3.39E+00	1.14E+02
254	488249.44	3856739.39	6.17405	2.01875	9.06224	5.23803	96.61201	3.47873	2.91118	2.01875	6.33E+01	9.09E-01	2.30E-04	2.71E-01	4.45E+01	4.81E-01	5.03E+00	3.34E+00	1.11E+02
255	488299.44	3856739.39	6.12351	1.99896	8.19429	5.28557	92.70219	3.78124	2.85676	1.99896	6.28E+01	9.00E-01	2.08E-04	2.74E-01	4.27E+01	5.23E-01	4.93E+00	3.31E+00	1.09E+02
256	488349.44	3856739.39	6.03453	1.93473	6.90896	5.55648	86.97646	4.56246	2.79649	1.93473	6.19E+01	8.71E-01	1.75E-04	2.88E-01	4.01E+01	6.31E-01	4.83E+00	3.21E+00	1.05E+02
257	488399.44	3856739.39	5.95078	1.87645	7.80099	5.84785	82.12045	5.44482	2.74243	1.87645	6.10E+01	8.44E-01	1.98E-04	3.03E-01	3.78E+01	7.53E-01	4.73E+00	3.11E+00	1.02E+02
258	487999.44	3856789.39	6.68337	2.05631	7.90885	6.0512	119.5656	3.67936	3.47882	2.05631	6.85E+01	9.25E-01	2.01E-04	3.13E-01	5.51E+01	5.09E-01	6.01E+00	3.41E+00	1.28E+02
259	488049.44	3856789.39	6.59326	2.06444	7.693	5.75982	115.9771	3.44015	3.36527	2.06444	6.76E+01	9.29E-01	1.95E-04	2.98E-01	5.34E+01	4.76E-01	5.81E+00	3.42E+00	1.25E+02
260	488099.44	3856789.39	6.49577	2.06113	7.61125	5.53787	110.4803	3.45676	3.25205	2.06113	6.66E+01	9.28E-01	1.93E-04	2.87E-01	5.09E+01	4.78E-01	5.61E+00	3.42E+00	1.21E+02
261	488149.44	3856789.39	6.41912	2.05691	8.59795	5.27815	105.161	3.43123	3.15688	2.05691	6.58E+01	9.26E-01	2.18E-04	2.73E-01	4.85E+01	4.74E-01	5.45E+00	3.41E+00	1.18E+02
262	488199.44	3856789.39	6.33625	2.04156	9.31721	5.25137	98.77118	3.52178	3.06544	2.04156	6.50E+01	9.19E-01	2.36E-04	2.72E-01	4.55E+01	4.87E-01	5.29E+00	3.38E+00	1.14E+02
263	488249.44	3856789.39	6.26419	2.02239	9.4279	5.37722	93.48226	3.77498	2.98636	2.02239	6.42E+01	9.10E-01	2.39E-04	2.78E-01	4.31E+01	5.22E-01	5.16E+00	3.35E+00	1.11E+02
264	488299.44	3856789.39	6.20387	2.00036	8.88756	5.45445	89.4353	4.26981	2.91978	2.00036	6.36E+01	9.00E-01	2.25E-04	2.82E-01	4.12E+01	5.90E-01	5.04E+00	3.31E+00	1.08E+02
265	488349.44	3856789.39	6.11238	1.9591	7.79117	5.72741	84.21039	5.20669	2.84424	1.9591	6.27E+01	8.82E-01	1.98E-04	2.96E-01	3.88E+01	7.20E-01	4.91E+00	3.25E+00	1.05E+02
266	488399.44	3856789.39	6.03374	1.91579	10.51316	5.97909	80.44605	6.00274	2.78221	1.91579	6.19E+01	8.62E-01	2.67E-04	3.10E-01	3.71E+01	8.30E-01	4.80E+00	3.17E+00	1.03E+02
267	487949.44	3856839.39	6.90424	1.98551	8.35317	6.66913	132.8766	4.45147	3.72532	1.98551	7.08E+01	8.94E-01	2.12E-04	3.45E-01	6.12E+01	6.15E-01	6.43E+00	3.29E+00	1.37E+02
268	487999.44	3856839.39	6.80367	2.00656	8.25872	6.40831	121.5963	3.90653	3.60083	2.00656	6.98E+01	9.03E-01	2.10E-04	3.32E-01	5.60E+01	5.40E-01	6.22E+00	3.32E+00	1.30E+02
269	488049.44	3856839.39	6.70898	2.02185	8.18264	6.10183	115.6149	3.56818	3.48407	2.02185	6.88E+01	9.10E-01	2.08E-04	3.16E-01	5.33E+01	4.93E-01	6.02E+00	3.35E+00	1.26E+02
270	488099.44	3856839.39	6.61283	2.02979	8.00847	5.8303	107.7619	3.56257	3.36904	2.02979	6.78E+01	9.13E-01	2.03E-04	3.02E-01	4.97E+01	4.93E-01	5.82E+00	3.36E+00	1.22E+02
271	488149.44	3856839.39	6.52094	2.03258	8.05642	5.58612	100.5781	3.60447	3.26164	2.03258	6.69E+01	9.15E-01	2.04E-04	2.89E-01	4.64E+01	4.98E-01	5.63E+00	3.37E+00	1.17E+02
272	488199.44	3856839.39	6.43413	2.0282	9.08612	5.39433	95.95027	3.78474	3.16149	2.0282	6.60E+01	9.13E-01	2.30E-04	2.79E-01	4.42E+01	5.23E-01	5.46E+00	3.36E+00	1.14E+02
273	487949.44	3856889.39	7.04327	1.92575	8.00629	6.97105	127.1678	4.65117	3.84436	1.92575	7.22E+01	8.67E-01	2.03E-04	3.61E-01	5.86E+01	6.43E-01	6.64E+00	3.19E+00	1.36E+02
274	487999.44	3856889.39	6.92608	1.95243	8.61238	6.80429	116.2753	4.16436	3.71752	1.95243	7.10E+01	8.79E-01	2.18E-04	3.52E-01	5.36E+01	5.76E-01	6.42E+00	3.24E+00	1.30E+02
275	488049.44	3856889.39	6.83503	1.97494	8.07597	6.4503	110.3478	3.68342	3.60421	1.97494	7.01E+01	8.89E-01	2.05E-04	3.34E-01	5.09E+01	5.09E-01	6.22E+00	3.27E+00	1.26E+02
276	488099.44	3856889.39	6.72862	1.99169	8.02993	6.18245	104.0281	3.7343	3.48466	1.99169	6.90E+01	8.96E-01	2.04E-04	3.20E-01	4.79E+01	5.16E-01	6.02E+00	3.30E+00	1.21E+02
277	488635.86	3857895.05	7.51982	2.68279	17.33066	11.52759	96.09271	9.61923	3.93585	2.68279	7.71E+01	1.21E+00	4.40E-04	5.97E-01	4.43E+01	1.33E+00	6.80E+00	4.45E+00	1.27E+02
278	489137.64	3857804.15	6.12612	2.1746	13.15064	16.86387	56.4864	7.19128	3.15139	2.1746	6.28E+01	9.79E-01	3.34E-04	8.73E-01	2.60E+01	9.94E-01	5.44E+00	3.60E+00	9.35E+01
279	488617.32	3857859.41	7.45448	2.57333	16.32543	11.17648	101.8256	9.54698	3.9074	2.57333	7.64E+01	1.16E+00	4.14E-04	5.79E-01	4.69E+01	1.32E+00	6.75E+00	4.26E+00	1.29E+02
280	488667.32	3857859.41	7.29659	2.53672	15.92141	11.3784	101.1964	9.24138	3.79881	2.53672	7.48E+01	1.14E+00	4.04E-04	5.89E-01	4.66E+01	1.28E+00	6.56E+00	4.20E+00	1.27E+02
281	488717.32	3857859.41	7.14871	2.49161	15.89533	11.60264	99.72202	8.97151	3.68955	2.49161	7.33E+01	1.12E+00	4.03E-04	6.01E-01	4.60E+01	1.24E+00	6.37E+00	4.13E+00	1.24E+02
282	488767.32	3857859.41	7.00322	2.40208	15.75103	11.974	97.08659	8.74568	3.5758	2.40208	7.18E+01	1.08E+00	4.00E-04	6.20E-01	4.47E+01	1.21E+00	6.17E+00	3.98E+00	1.22E+02
283	488617.32	3857909.41	7.63569	2.77526	18.04813	11.89161	92.63323	9.81014	4.00252	2.77526	7.83E+01	1.25E+00	4.58E-04	6.16E-01	4.27E+01	1.36E+00	6.91E+00	4.60E+00	1.27E+02
284	488667.32	3857909.41	7.45959	2.67866	17.58952	11.81119	93.89675	9.49712	3.89466	2.67866	7.65E+01	1.21E+00	4.46E-04	6.11E-01	4.33E+01	1.31E+00	6.72E+00	4.44E+00	1.25E+02
285	488717.32	3857909.41	7.30933	2.65654	17.05731	11.94895	94.80403	9.2131	3.7917	2.65654	7.50E+01	1.20E+00	4.33E-04	6.19E-01	4.37E+01	1.27E+00	6.55E+00	4.40E+00	1.24E+02
286	488767.32	3857909.41	7.15721	2.59019	16.58405	12.26724	94.10118	8.96503	3.68427	2.59019	7.34E+01	1.17E+00	4.21E-04	6.35E-01	4.34E+01	1.24E+00	6.36E+00	4.29E+00	1.22E+02
287	488417.32	3857959.41	9.26605	3.3491	20.6109	17.06212	136.6533	11.78199	4.60035	3.3491	9.50E+01	1.51E+00	5.23E-04	8.83E-01	6.30E+01	1.63E+00	7.94E+00	5.55E+00	1.64E+02
288	488467.32	3857959.41	8.76426	3.25486	19.51233	15.76372	112.1112	11.25914	4.45221	3.25486	8.99E+01	1.46E+00	4.95E-04	8.16E-01	5.17E+01	1.56E+00	7.69E+00	5.39E+00	1.48E+02
289	488517.32	3857959.41	8.3034	3.14395	18.43261	14.73818	88.03283	10.78753	4.32324	3.14395	8.51E+01	1.41E+00	4.68E-04	7.63E-01	4.06E+01	1.49E+00	7.46E+00	5.21E+00	1.32E+02
290	488567.32	3857959.41	8.00734	3.06345	17.79199	13.82585	74.48202	10.35626	4.2048	3.06345	8.21E+01	1.38E+00	4.51E-04	7.16E-01	3.43E+01	1.43E+00	7.26E+00	5.08E+00	1.22E+02
291	488617.32	3857959.41	7.81236	2.99042	17.64429	12.89287	79.83171	9.99151	4.09541	2.99042	8.01E+01	1.35E+00	4.48E-04	6.67E-01	3.68E+01	1.38E+00	7.07E+00	4.95E+00	1.22E+02

292	488667.32	3857959.41	7.63215	2.92461	17.43958	12.16932	83.84635	9.66952	3.98967	2.92461	7.83E+01	1.32E+00	4.42E-04	6.30E-01	3.86E+01	1.34E+00	6.89E+00	4.85E+00	1.22E+02
293	488717.32	3857959.41	7.4621	2.8492	17.19831	12.36677	86.44968	9.36072	3.88837	2.8492	7.65E+01	1.28E+00	4.36E-04	6.40E-01	3.98E+01	1.29E+00	6.71E+00	4.72E+00	1.22E+02
294	488767.32	3857959.41	7.30656	2.78843	16.91378	12.60535	88.01772	9.08133	3.78531	2.78843	7.49E+01	1.25E+00	4.29E-04	6.53E-01	4.06E+01	1.26E+00	6.54E+00	4.62E+00	1.21E+02
295	488417.32	3858009.41	9.98329	3.65131	21.11369	19.06807	143.6324	12.04932	4.88067	3.65131	1.02E+02	1.64E+00	5.36E-04	9.87E-01	6.62E+01	1.67E+00	8.43E+00	6.05E+00	1.75E+02
296	488467.32	3858009.41	9.40033	3.54135	20.355	17.34604	121.4068	11.4373	4.63324	3.54135	9.64E+01	1.59E+00	5.16E-04	8.98E-01	5.59E+01	1.58E+00	8.00E+00	5.87E+00	1.59E+02
297	488517.32	3858009.41	8.88791	3.42529	19.632	16.06794	98.59033	10.91677	4.43777	3.42529	9.11E+01	1.54E+00	4.98E-04	8.32E-01	4.54E+01	1.51E+00	7.66E+00	5.68E+00	1.42E+02
298	488567.32	3858009.41	8.41794	3.32137	18.93955	15.048	76.72212	10.45936	4.31043	3.32137	8.63E+01	1.49E+00	4.80E-04	7.79E-01	3.54E+01	1.45E+00	7.44E+00	5.50E+00	1.27E+02
299	488617.32	3858009.41	8.0138	3.23201	18.26791	14.01493	64.44545	10.08175	4.19484	3.23201	8.22E+01	1.45E+00	4.63E-04	7.26E-01	2.97E+01	1.39E+00	7.24E+00	5.36E+00	1.17E+02
300	488667.32	3858009.41	7.79657	3.15347	17.61222	12.99171	70.57687	9.73134	4.08528	3.15347	7.99E+01	1.42E+00	4.47E-04	6.73E-01	3.25E+01	1.35E+00	7.05E+00	5.23E+00	1.18E+02
301	488717.32	3858009.41	7.6175	3.08335	16.9822	12.76577	75.39189	9.41505	3.98292	3.08335	7.81E+01	1.39E+00	4.31E-04	6.61E-01	3.47E+01	1.30E+00	6.88E+00	5.11E+00	1.18E+02
302	488767.32	3858009.41	7.49829	3.01135	16.37403	12.96502	78.99069	9.12697	3.88251	3.01135	7.69E+01	1.36E+00	4.15E-04	6.71E-01	3.64E+01	1.26E+00	6.70E+00	4.99E+00	1.18E+02
303	488417.32	3858059.41	10.91326	3.9542	19.82944	22.03466	148.4377	13.01257	5.23867	3.9542	1.12E+02	1.78E+00	5.03E-04	1.14E+00	6.84E+01	1.80E+00	9.04E+00	6.55E+00	1.88E+02
304	488467.32	3858059.41	10.1263	3.85113	19.25058	19.5087	128.8917	12.1821	4.95705	3.85113	1.04E+02	1.73E+00	4.88E-04	1.01E+00	5.94E+01	1.68E+00	8.56E+00	6.38E+00	1.70E+02
305	488517.32	3858059.41	9.53224	3.74125	18.74414	17.74611	107.9152	11.4908	4.71102	3.74125	9.77E+01	1.68E+00	4.75E-04	9.19E-01	4.97E+01	1.59E+00	8.13E+00	6.20E+00	1.54E+02
306	488567.32	3858059.41	9.01178	3.62246	18.27185	16.47263	86.85944	10.8898	4.49944	3.62246	9.24E+01	1.63E+00	4.64E-04	8.53E-01	4.00E+01	1.51E+00	7.77E+00	6.00E+00	1.38E+02
307	488617.32	3858059.41	8.5372	3.5226	17.83834	15.33992	68.94558	10.37241	4.30841	3.5226	8.75E+01	1.59E+00	4.53E-04	7.94E-01	3.18E+01	1.43E+00	7.44E+00	5.84E+00	1.25E+02
308	488667.32	3858059.41	8.1287	3.41861	17.44165	14.18537	58.83551	9.93029	4.18165	3.41861	8.34E+01	1.54E+00	4.42E-04	7.34E-01	2.71E+01	1.37E+00	7.22E+00	5.66E+00	1.16E+02
309	488417.32	3858109.41	11.93258	4.1881	18.62947	26.75761	151.9093	15.51912	5.67394	4.1881	1.22E+02	1.88E+00	4.73E-04	1.39E+00	7.00E+01	2.15E+00	9.80E+00	6.94E+00	2.01E+02
310	488467.32	3858109.41	11.07519	4.13001	17.89185	22.62023	135.013	13.313	5.32883	4.13001	1.14E+02	1.86E+00	4.54E-04	1.17E+00	6.22E+01	1.84E+00	9.20E+00	6.84E+00	1.83E+02
311	488517.32	3858109.41	10.28077	4.0434	17.23508	20.00939	115.9411	12.45896	5.03553	4.0434	1.05E+02	1.82E+00	4.37E-04	1.04E+00	5.34E+01	1.72E+00	8.69E+00	6.70E+00	1.65E+02
312	488567.32	3858109.41	9.67073	3.94317	16.76867	18.22296	96.16139	11.79366	4.76113	3.94317	9.92E+01	1.77E+00	4.25E-04	9.43E-01	4.43E+01	1.63E+00	8.22E+00	6.53E+00	1.50E+02
313	488617.32	3858109.41	9.13893	3.81975	16.32564	16.84962	76.74357	11.20228	4.51851	3.81975	9.37E+01	1.72E+00	4.14E-04	8.72E-01	3.54E+01	1.55E+00	7.80E+00	6.33E+00	1.35E+02
314	488667.32	3858109.41	8.66674	3.71772	15.97185	15.55931	64.54441	10.73888	4.32714	3.71772	8.89E+01	1.67E+00	4.05E-04	8.05E-01	2.97E+01	1.48E+00	7.47E+00	6.16E+00	1.24E+02
315	488769.93	3858449.27	13.43458	5.20457	14.0419	32.86981	80.9132	17.14747	6.15591	5.20457	1.38E+02	2.34E+00	3.56E-04	1.70E+00	3.73E+01	2.37E+00	1.06E+01	8.62E+00	1.83E+02
316	488819.93	3858449.27	12.63366	4.91573	14.52916	26.9583	67.83482	15.73934	5.70306	4.91573	1.30E+02	2.21E+00	3.69E-04	1.40E+00	3.13E+01	2.18E+00	9.85E+00	8.15E+00	1.68E+02
317	488819.93	3858499.27	13.07392	5.54754	15.1413	34.1314	74.11376	17.57926	6.23094	5.54754	1.34E+02	2.50E+00	3.84E-04	1.77E+00	3.42E+01	2.43E+00	1.08E+01	9.19E+00	1.76E+02
318	488869.93	3858499.27	12.47203	5.27946	14.35793	27.85642	64.23584	15.93807	5.7725	5.27946	1.28E+02	2.38E+00	3.64E-04	1.44E+00	2.96E+01	2.20E+00	9.97E+00	8.75E+00	1.65E+02
319	488869.93	3858549.27	12.91691	5.79572	14.73536	35.47731	67.96573	18.01109	6.30747	5.79572	1.32E+02	2.61E+00	3.74E-04	1.84E+00	3.13E+01	2.49E+00	1.09E+01	9.60E+00	1.72E+02
320	489438.17	3859571.48	10.11946	7.23823	34.73532	12.81962	53.61097	9.24335	7.67051	7.23823	1.04E+02	3.26E+00	8.81E-04	6.64E-01	2.47E+01	1.28E+00	1.32E+01	1.20E+01	1.35E+02
321	489488.17	3859571.48	10.06039	7.68418	31.35186	12.21818	48.83886	8.26994	7.7627	7.68418	1.03E+02	3.46E+00	7.95E-04	6.32E-01	2.25E+01	1.14E+00	1.34E+01	1.27E+01	1.32E+02
322	489538.17	3859571.48	10.01502	8.18586	49.10353	11.58047	43.72215	8.08681	8.27421	8.18586	1.03E+02	3.68E+00	1.25E-03	5.99E-01	2.01E+01	1.12E+00	1.43E+01	1.36E+01	1.29E+02
323	489588.17	3859571.48	9.98317	8.7423	42.59856	11.88472	39.32542	8.50872	8.83888	8.7423	1.02E+02	3.93E+00	1.08E-03	6.15E-01	1.81E+01	1.18E+00	1.53E+01	1.45E+01	1.27E+02
324	489438.17	3859621.48	9.94079	6.28713	31.33588	12.40059	55.0578	10.42995	7.28612	6.28713	1.02E+02	2.83E+00	7.95E-04	6.42E-01	2.54E+01	1.44E+00	1.26E+01	1.04E+01	1.34E+02
325	489488.17	3859621.48	9.87645	6.65021	37.4779	11.8177	50.75019	9.55066	7.29906	6.65021	1.01E+02	2.99E+00	9.51E-04	6.12E-01	2.34E+01	1.32E+00	1.26E+01	1.10E+01	1.31E+02
326	489538.17	3859621.48	9.82551	7.05383	37.14175	11.29767	46.02851	8.6763	7.24521	7.05383	1.01E+02	3.17E+00	9.42E-04	5.85E-01	2.12E+01	1.20E+00	1.25E+01	1.17E+01	1.28E+02
327	489588.17	3859621.48	9.79326	7.50361	43.4885	10.95908	41.1463	7.8857	7.58765	7.50361	1.00E+02	3.38E+00	1.10E-03	5.67E-01	1.90E+01	1.09E+00	1.31E+01	1.24E+01	1.25E+02
328	489238.17	3859671.48	11.34788	4.46501	26.78525	31.02798	61.72523	12.26571	5.83352	4.46501	1.16E+02	2.01E+00	6.79E-04	1.61E+00	2.84E+01	1.70E+00	1.01E+01	7.40E+00	1.53E+02
329	489288.17	3859671.48	10.82546	4.65821	27.17241	18.91123	61.87015	12.15435	6.20313	4.65821	1.11E+02	2.10E+00	6.89E-04	9.79E-01	2.85E+01	1.68E+00	1.07E+01	7.72E+00	1.47E+02
330	489338.17	3859671.48	10.34611	4.87222	24.35478	14.50004	60.98732	11.89508	6.52669	4.87222	1.06E+02	2.19E+00	6.18E-04	7.51E-01	2.81E+01	1.64E+00	1.13E+01	8.07E+00	1.42E+02
331	489388.17	3859671.48	10.03353	5.10769	27.21026	12.99246	59.18122	11.66346	6.78371	5.10769	1.03E+02	2.30E+00	6.90E-04	6.73E-01	2.73E+01	1.61E+00	1.17E+01	8.46E+00	1.38E+02
332	489438.17	3859671.48	9.84524	5.35674	27.70729	12.04955	56.15674	11.06603	6.92739	5.35674	1.01E+02	2.41E+00	7.03E-04	6.24E-01	2.59E+01	1.53E+00	1.20E+01	8.88E+00	1.34E+02
333	489488.17	3859671.48	9.74265	5.63553	31.27639	11.51359	52.60853	10.63966	7.0107	5.63553	9.99E+01	2.54E+00	7.93E-04	5.96E-01	2.42E+01	1.47E+00	1.21E+01	9.34E+00	1.32E+02
334	489538.17	3859671.48	9.6745	5.94784	36.54102	11.06784	48.35125	9.99979	7.00266	5.94784	9.92E+01	2.68E+00	9.27E-04	5.73E-01	2.23E+01	1.38E+00	1.21E+01	9.86E+00	1.28E+02
335	489588.17	3859671.48	9.6297	6.28945	37.15281	10.56569	43.73617	9.29895	6.94056	6.28945	9.87E+01	2.83E+00	9.42E-04	5.47E-01	2.02E+01	1.29E+00	1.20E+01	1.04E+01	1.25E+02
336	489238.17	3859721.48	11.74881	4.11322	22.98627	30.93441	59.72431	11.09693	5.39299	4.11322	1.20E+02	1.85E+00	5.83E-04	1.60E+00	2.75E+01	1.53E+00	9.31E+00	6.82E+00	1.55E+02
337	489288.17	3859721.48	11.25405	4.29994	24.22269	19.00004	60.79646	11.68933	5.77138	4.29994	1.15E+02	1.94E+00	6.14E-04	9.84E-01	2.80E+01	1.62E+00	9.96E+00	7.12E+00	1.51E+02
338	489338.17	3859721.48	10.73262	4.47321	22.39332	14.46288	60.58993	11.8419	6.10845	4.47321	1.10E+02	2.01E+00	5.68E-04	7.49E-01	2.79E+01	1.64E+00	1.05E+01	7.41E+00	1.46E+02
339	489388.17	3859721.48	10.28321	4.65525	20.99629	12.72978	59.28488	11.78979	6.38525	4.65525	1.05E+02	2.10E+00	5.33E-04	6.59E-01	2.73E+01	1.63E+00	1.10E+01	7.71E+00	1.40E+02
340	489438.17	3859721.48	9.94365	4.83915	25.7627	11.76568	56.94515	11.43077	6.57939	4.83915	1.02E+02	2.18E+00	6.54E-04	6.09E-01	2.62E+01	1.58E+00	1.14E+01	8.02E+00	1.36E+02
341	489488.17	3859721.48	9.72837	5.08502	31.05507	11.21909	54.03503	11.17858	6.71459	5.08502	9.98E+01	2.29E+00	7.88E-04	5.81E-01	2.49E+01	1.55E+00	1.16E+01	8.43E+00	1.32E+02
342	489538.17	3859721.48	9.59024	5.31862	31.87003	10.81071	50.31579	10.85693	6.75781	5.31862	9.83E+01	2.39E+00	8.08E-04	5.60E-01	2.32E+01	1.50E+00	1.17E+01	8.81E+00	1.29E+02
343	489588.17	3859721.48	9.50524	5.55403	33.75251	10.39677	46.07265	10.48913	6.72702	5.55403	9.75E+01	2.50E+00	8.56E-04	5.38E-01	2.12E+01	1.45E+00	1.16E+01	9.20E+00	1.26E+02
344	489238.17	3859771.48	11.94234	4.03457	21.69713	31.02265	57.49979	9.75817	5.00172	4.03457	1.22E+02	1.82E+00	5.50E-04	1.61E+00	2.65E+01	1.35E+00	8.64E+00	6.69E+00	1.56E+02
345	489288.17	3859771.48	11.52611	4.19552	18.14054	18.94538	59.17643	10.51535	5.35902	4.19552	1.18E+02	1.89E+00	4.60E-04	9.81E-01	2.73E+01	1.45E+00	9.25E+00	6.95E+00	1.52E+02
346	489338.17	3859771.48	11.03565	4.3275	20.7691	14.40326	59.53159	10.89688	5.68894	4.3275	1.13E+02	1.95E+00	5.27E-04	7.46E-01	2.74E+01	1.51E+00	9.82E+00	7.17E+00	1.47E+02
347	489388.17	3859771.48	10.57993	4.48355	22.862	12.49618	58.96982	11.22277	5.99102	4.48355	1.08E+02	2.02E+00	5.80E-04	6.47E-01	2.72E+01	1.55E+00	1.03E+01	7.43E+00	1.43E+02
348	489438.17	3859771.48	10.17509	4.6258	25.72359	11.50222	57.26369	11.19079	6.22231	4.6258	1.04E+02	2.08E+00	6.53E-04	5.95E-01	2.64E+01	1.55E+00	1.07E+01	7.66E+00	1.38E+02
349	489488.17	3859771.48	9.86559	4.82789	29.27505	10.95235	55.08836	11.50704	6.41147	4.82789	1.01E+02	2.17E+00	7.43E-04	5.67E-01	2.54E+01	1.59E+00	1.11E+01	8.00E+00	1.34E+02
350	489538.17	3859771.48	9.63595	5.0022	28.43035	10.55991	52.00968	11.60043	6.50863	5.0022	9.88E+01	2.25E+00	7.21E-04	5.47E-01	2.40E+01	1.60E+00	1.12E+01	8.29E+00	1.30E+02

351	489588.17	3859771.48	9.46815	5.16844	32.87449	10.19208	48.09611	11.20218	6.51439	5.16844	9.71E+01	2.33E+00	8.34E-04	5.28E-01	2.22E+01	1.55E+00	1.12E+01	8.56E+00	1.26E+02
352	489238.17	3859821.48	11.32016	3.89563	15.14699	30.89405	54.96354	9.32665	4.64832	3.89563	1.16E+02	1.75E+00	3.84E-04	1.60E+00	2.53E+01	1.29E+00	8.03E+00	6.45E+00	1.48E+02
353	489288.17	3859821.48	11.32518	4.03175	21.11066	18.86106	57.20098	9.43991	4.98091	4.03175	1.16E+02	1.81E+00	5.36E-04	9.76E-01	2.64E+01	1.31E+00	8.60E+00	6.68E+00	1.49E+02
354	489338.17	3859821.48	11.0971	4.14342	22.21961	14.37814	58.21841	9.70507	5.30262	4.14342	1.14E+02	1.86E+00	5.64E-04	7.44E-01	2.68E+01	1.34E+00	9.16E+00	6.87E+00	1.47E+02
355	489388.17	3859821.48	10.75344	4.26537	22.1352	12.29358	58.28384	10.22988	5.60985	4.26537	1.10E+02	1.92E+00	5.62E-04	6.36E-01	2.69E+01	1.41E+00	9.69E+00	7.07E+00	1.44E+02
356	489438.17	3859821.48	10.39729	4.41002	26.07273	11.3315	57.56086	10.87488	5.88933	4.41002	1.07E+02	1.98E+00	6.61E-04	5.87E-01	2.65E+01	1.50E+00	1.02E+01	7.31E+00	1.40E+02
357	489488.17	3859821.48	10.06388	4.54497	27.74971	10.71664	55.865	11.36618	6.10413	4.54497	1.03E+02	2.05E+00	7.04E-04	5.55E-01	2.57E+01	1.57E+00	1.05E+01	7.53E+00	1.36E+02
358	489538.17	3859821.48	9.77872	4.67134	28.57571	10.30923	53.34141	12.08391	6.2431	4.67134	1.00E+02	2.10E+00	7.25E-04	5.34E-01	2.46E+01	1.67E+00	1.08E+01	7.74E+00	1.32E+02
359	489588.17	3859821.48	9.54222	4.80337	33.0755	9.9785	49.91051	11.96993	6.29779	4.80337	9.78E+01	2.16E+00	8.39E-04	5.17E-01	2.30E+01	1.65E+00	1.09E+01	7.96E+00	1.28E+02
360	489238.17	3859871.48	10.45241	3.73791	20.48822	30.84574	52.34348	8.74849	4.33995	3.73791	1.07E+02	1.68E+00	5.20E-04	1.60E+00	2.41E+01	1.21E+00	7.49E+00	6.19E+00	1.37E+02
361	489288.17	3859871.48	10.59367	3.83659	21.13818	18.73972	54.8948	9.05141	4.63614	3.83659	1.09E+02	1.73E+00	5.36E-04	9.70E-01	2.53E+01	1.25E+00	8.00E+00	6.36E+00	1.40E+02
362	489338.17	3859871.48	10.6603	3.93848	19.04252	14.34085	56.56063	9.13347	4.94426	3.93848	1.09E+02	1.77E+00	4.83E-04	7.42E-01	2.61E+01	1.26E+00	8.54E+00	6.53E+00	1.41E+02
363	489388.17	3859871.48	10.59696	4.05562	24.44696	12.12909	57.41636	9.12753	5.25773	4.05562	1.09E+02	1.83E+00	6.20E-04	6.28E-01	2.65E+01	1.26E+00	9.08E+00	6.72E+00	1.41E+02
364	489438.17	3859871.48	10.42307	4.17211	25.42343	11.13008	57.5252	10.05675	5.55562	4.17211	1.07E+02	1.88E+00	6.45E-04	5.76E-01	2.65E+01	1.39E+00	9.59E+00	6.91E+00	1.40E+02
365	489488.17	3859871.48	10.1927	4.25708	29.23076	10.46418	56.74427	11.47115	5.79918	4.25708	1.05E+02	1.92E+00	7.42E-04	5.42E-01	2.62E+01	1.59E+00	1.00E+01	7.05E+00	1.38E+02
366	489538.17	3859871.48	9.91909	4.36636	32.49545	10.05707	54.43914	11.8905	5.96619	4.36636	1.02E+02	1.97E+00	8.24E-04	5.21E-01	2.51E+01	1.64E+00	1.03E+01	7.23E+00	1.34E+02
367	489588.17	3859871.48	9.66985	4.47136	29.67758	9.73559	51.56991	12.2091	6.06593	4.47136	9.92E+01	2.01E+00	7.53E-04	5.04E-01	2.38E+01	1.69E+00	1.05E+01	7.41E+00	1.30E+02
368	489238.17	3859921.48	9.64326	3.58338	20.18308	30.70895	49.70366	8.06661	4.07253	3.58338	9.89E+01	1.61E+00	5.12E-04	1.59E+00	2.29E+01	1.12E+00	7.03E+00	5.94E+00	1.27E+02
369	489288.17	3859921.48	9.81313	3.68014	17.01217	18.74647	52.805	8.66124	4.34998	3.68014	1.01E+02	1.66E+00	4.32E-04	9.70E-01	2.43E+01	1.20E+00	7.51E+00	6.10E+00	1.30E+02
370	489338.17	3859921.48	9.97385	3.7666	23.28421	14.37377	54.98151	9.01836	4.63673	3.7666	1.02E+02	1.70E+00	5.91E-04	7.44E-01	2.53E+01	1.25E+00	8.01E+00	6.24E+00	1.33E+02
371	489388.17	3859921.48	10.09221	3.85816	23.42901	11.92536	56.51154	9.28424	4.93966	3.85816	1.03E+02	1.74E+00	5.94E-04	6.17E-01	2.60E+01	1.28E+00	8.53E+00	6.39E+00	1.35E+02
372	489438.17	3859921.48	10.1352	3.92343	29.31419	10.85018	57.3708	9.7766	5.23315	3.92343	1.04E+02	1.77E+00	7.44E-04	5.62E-01	2.64E+01	1.35E+00	9.04E+00	6.50E+00	1.37E+02
373	489488.17	3859921.48	10.06813	3.99298	28.12039	10.17965	56.85275	9.96814	5.48084	3.99298	1.03E+02	1.80E+00	7.13E-04	5.27E-01	2.62E+01	1.38E+00	9.46E+00	6.62E+00	1.36E+02
374	489538.17	3859921.48	9.91978	4.07757	31.34456	9.76777	55.25402	10.75822	5.67807	4.07757	1.02E+02	1.84E+00	7.95E-04	5.06E-01	2.55E+01	1.49E+00	9.80E+00	6.76E+00	1.34E+02
375	489588.17	3859921.48	9.74404	4.10626	27.59581	9.4514	53.08747	11.48973	5.81066	4.10626	9.99E+01	1.85E+00	7.00E-04	4.89E-01	2.45E+01	1.59E+00	1.00E+01	6.80E+00	1.32E+02
376	489238.17	3859971.48	9.78487	3.43404	15.53947	30.39502	47.02238	7.24747	3.83681	3.43404	1.00E+02	1.55E+00	3.94E-04	1.57E+00	2.17E+01	1.00E+00	6.62E+00	5.69E+00	1.27E+02
377	489288.17	3859971.48	9.06095	3.50867	21.57675	18.64095	50.31816	7.82217	4.08193	3.50867	9.29E+01	1.58E+00	5.47E-04	9.65E-01	2.32E+01	1.08E+00	7.05E+00	5.81E+00	1.21E+02
378	489338.17	3859971.48	9.2593	3.58819	23.06436	14.32801	53.07231	8.43218	4.3524	3.58819	9.49E+01	1.61E+00	5.85E-04	7.42E-01	2.45E+01	1.17E+00	7.51E+00	5.95E+00	1.24E+02
379	489388.17	3859971.48	9.44812	3.64619	26.64692	11.82115	55.29146	9.25969	4.64039	3.64619	9.69E+01	1.64E+00	6.76E-04	6.12E-01	2.55E+01	1.28E+00	8.01E+00	6.04E+00	1.28E+02
380	489438.17	3859971.48	9.61263	3.70086	27.92225	10.3386	56.85217	9.83534	4.92197	3.70086	9.86E+01	1.67E+00	7.08E-04	5.35E-01	2.62E+01	1.36E+00	8.50E+00	6.13E+00	1.31E+02
381	489488.17	3859971.48	9.73424	3.95148	28.3973	10.02897	57.64987	10.12371	5.55236	3.95148	9.98E+01	1.78E+00	7.20E-04	5.19E-01	2.66E+01	1.40E+00	9.59E+00	6.55E+00	1.33E+02
382	489538.17	3859971.48	9.76767	4.17287	25.29308	9.99462	57.05713	9.8713	6.00488	4.17287	1.00E+02	1.88E+00	6.42E-04	5.17E-01	2.63E+01	1.36E+00	1.04E+01	6.91E+00	1.34E+02
383	489588.17	3859971.48	9.72616	4.24049	26.69581	9.60474	55.40887	9.69071	6.42202	4.24049	9.97E+01	1.91E+00	6.77E-04	4.97E-01	2.55E+01	1.34E+00	1.11E+01	7.03E+00	1.33E+02
384	483577.7	3854071	8.59574	4.01892	5.78446	12.51542	9.92857	8.67168	5.89383	4.01892	8.81E+01	1.81E+00	1.47E-04	6.48E-01	4.58E+00	1.20E+00	1.02E+01	6.66E+00	9.99E+01
385	483627.7	3854071	8.38361	4.3151	3.62573	12.8307	9.98514	8.03707	5.29004	4.3151	8.60E+01	1.94E+00	9.20E-05	6.64E-01	4.60E+00	1.11E+00	9.13E+00	7.15E+00	9.63E+01
386	483677.7	3854071	8.21558	4.44673	7.02716	12.68391	10.86589	7.70695	4.58344	4.44673	8.42E+01	2.00E+00	1.78E-04	6.57E-01	5.01E+00	1.07E+00	7.91E+00	7.37E+00	9.35E+01
387	483727.7	3854071	8.23302	4.3532	11.48309	11.88342	11.68021	7.11454	4.48235	4.3532	8.44E+01	1.96E+00	2.91E-04	6.15E-01	5.38E+00	9.84E-01	7.74E+00	7.21E+00	9.39E+01
388	483777.7	3854071	8.38714	4.51914	13.19261	10.52014	12.39578	6.38747	4.8727	4.51914	8.60E+01	2.03E+00	3.35E-04	5.45E-01	5.71E+00	8.83E-01	8.41E+00	7.49E+00	9.61E+01
389	483577.7	3854121	8.99307	4.18254	7.13002	13.48951	11.60781	9.28763	6.62483	4.18254	9.22E+01	1.88E+00	1.81E-04	6.98E-01	5.35E+00	1.28E+00	1.14E+01	6.93E+00	1.06E+02
390	483627.7	3854121	8.75068	3.88917	5.00973	12.89942	10.56259	8.2683	6.21879	3.88917	8.97E+01	1.75E+00	1.27E-04	6.68E-01	4.87E+00	1.14E+00	1.07E+01	6.44E+00	1.02E+02
391	483677.7	3854121	8.58708	4.20737	9.97425	13.4311	9.94133	7.06816	5.6187	4.20737	8.81E+01	1.89E+00	2.53E-04	6.95E-01	4.58E+00	9.77E-01	9.70E+00	6.97E+00	9.89E+01
392	483727.7	3854121	8.46999	4.35385	13.52884	13.50162	10.8484	6.17365	4.82751	4.35385	8.69E+01	1.96E+00	3.43E-04	6.99E-01	5.00E+00	8.54E-01	8.33E+00	7.21E+00	9.65E+01
393	483777.7	3854121	8.56187	4.26237	12.87332	12.74178	12.56302	5.82632	4.54641	4.26237	8.78E+01	1.92E+00	3.27E-04	6.60E-01	5.79E+00	8.06E-01	7.85E+00	7.06E+00	9.78E+01
394	483577.7	3854171	9.54402	5.19748	8.5341	15.87862	13.36794	10.25536	7.23527	5.19748	9.79E+01	2.34E+00	2.16E-04	8.22E-01	6.16E+00	1.42E+00	1.25E+01	8.61E+00	1.12E+02
395	483627.7	3854171	9.25871	4.0626	7.66559	12.86531	12.29816	8.69777	7.01891	4.0626	9.49E+01	1.83E+00	1.94E-04	6.66E-01	5.67E+00	1.20E+00	1.21E+01	6.73E+00	1.10E+02
396	483677.7	3854171	9.02851	3.75433	12.9902	13.477	11.21123	7.55272	6.63137	3.75433	9.26E+01	1.69E+00	3.30E-04	6.98E-01	5.17E+00	1.04E+00	1.14E+01	6.22E+00	1.06E+02
397	483727.7	3854171	8.84648	4.06526	14.47815	14.14289	10.18767	6.8169	6.01126	4.06526	9.07E+01	1.83E+00	3.67E-04	7.32E-01	4.69E+00	9.42E-01	1.04E+01	6.74E+00	1.03E+02
398	483777.7	3854171	8.7722	4.21547	10.80592	14.30677	11.46445	6.35976	5.15278	4.21547	9.00E+01	1.90E+00	2.74E-04	7.41E-01	5.28E+00	8.79E-01	8.90E+00	6.98E+00	1.01E+02
399	483827.7	3854171	8.96704	4.13129	5.41471	13.69996	12.78401	5.67087	4.75547	4.13129	9.19E+01	1.86E+00	1.37E-04	7.09E-01	5.89E+00	7.84E-01	8.21E+00	6.85E+00	1.03E+02
400	483877.7	3854171	9.16334	4.02106	10.06839	12.19791	13.98088	5.37928	5.34973	4.02106	9.40E+01	1.81E+00	2.55E-04	6.31E-01	6.44E+00	7.44E-01	9.24E+00	6.66E+00	1.06E+02
401	483727.7	3854221	9.25688	3.60767	13.39031	13.92522	11.04765	7.39245	7.11748	3.60767	9.49E+01	1.62E+00	3.40E-04	7.21E-01	5.09E+00	1.02E+00	1.23E+01	5.98E+00	1.10E+02
402	483777.7	3854221	9.10021	3.90545	7.52498	14.79697	10.08116	7.32378	6.48159	3.90545	9.33E+01	1.76E+00	1.91E-04	7.66E-01	4.65E+00	1.01E+00	1.12E+01	6.47E+00	1.06E+02
403	483827.7	3854221	9.04028	4.07208	10.36521	15.07346	11.42199	6.83734	5.50753	4.07208	9.27E+01	1.83E+00	2.63E-04	7.80E-01	5.26E+00	9.45E-01	9.51E+00	6.75E+00	1.04E+02
404	483877.7	3854221	9.24278	4.0018	15.29743	14.68515	12.77091	6.06244	4.95107	4.0018	9.48E+01	1.80E+00	3.88E-04	7.60E-01	5.89E+00	8.38E-01	8.55E+00	6.63E+00	1.06E+02
405	489150.19	3858726.45	11.59181	6.01188	13.39788	35.67268	48.1104	14.47961	5.94146	6.01188	1.19E+02	2.71E+00	3.40E-04	1.85E+00	2.22E+01	2.00E+00	1.03E+01	9.96E+00	1.48E+02
406	489200.19	3858726.45	11.12819	5.78012	13.12614	58.71678	42.6491	13.68226	5.2951	5.78012	1.14E+02	2.60E+00	3.33E-04	3.04E+00	1.97E+01	1.89E+00	9.14E+00	9.58E+00	1.41E+02
407	489150.19	3858776.45	11.9412	6.85246	12.19926	39.22287	50.763	15.60768	6.97493	6.85246	1.22E+02	3.08E+00	3.09E-04	2.03E+00	2.34E+01	2.16E+00	1.20E+01	1.14E+01	1.54E+02
408	489200.19	3858776.45	11.51848	6.30722	12.52256	61.7034	46.05868	14.08452	6.42926	6.30722	1.18E+02	2.84E+00	3.18E-04	3.19E+00	2.12E+01	1.95E+00	1.11E+01	1.05E+01	1.48E+02
409	488919.6	3856400.76	5.0242	2.61175	8.45314	4.59307	61.33269	2.40647	2.72404	2.61175	5.15E+01	1.18E+00	2.14E-04	2.38E-01	2.83E+01	3.33E-01	4.70E+00	4.33E+00	8.19E+01

410	488919.6	3856450.76	5.08273	2.59218	8.37189	4.87123	61.93285	2.42361	2.7159	2.59218	5.21E+01	1.17E+00	2.12E-04	2.52E-01	2.85E+01	3.35E-01	4.69E+00	4.30E+00	8.28E+01
411	488969.6	3856450.76	5.04555	2.57632	7.15809	5.68558	60.47144	2.47242	2.69188	2.57632	5.17E+01	1.16E+00	1.82E-04	2.94E-01	2.79E+01	3.42E-01	4.65E+00	4.27E+00	8.18E+01
412	488919.6	3856500.76	5.13933	2.5578	7.53223	5.16537	62.18876	2.60857	2.69614	2.5578	5.27E+01	1.15E+00	1.91E-04	2.67E-01	2.87E+01	3.61E-01	4.65E+00	4.24E+00	8.36E+01
413	488969.6	3856500.76	5.09593	2.54539	6.43396	5.79064	60.7821	2.64716	2.67406	2.54539	5.23E+01	1.15E+00	1.63E-04	3.00E-01	2.80E+01	3.66E-01	4.62E+00	4.22E+00	8.25E+01
414	488919.6	3856550.76	5.18862	2.50761	6.91	5.50084	62.38494	2.76463	2.66907	2.50761	5.32E+01	1.13E+00	1.75E-04	2.85E-01	2.87E+01	3.82E-01	4.61E+00	4.15E+00	8.42E+01
415	488969.6	3856550.76	5.15001	2.50632	5.9131	5.87491	61.14705	2.7863	2.65481	2.50632	5.28E+01	1.13E+00	1.50E-04	3.04E-01	2.82E+01	3.85E-01	4.58E+00	4.15E+00	8.32E+01
416	488819.6	3856600.76	5.33495	2.43209	8.31371	7.25789	65.3718	2.84723	2.66454	2.43209	5.47E+01	1.09E+00	2.11E-04	3.76E-01	3.01E+01	3.94E-01	4.60E+00	4.03E+00	8.73E+01
417	488869.6	3856600.76	5.29247	2.44746	7.32821	6.66734	64.00573	2.8799	2.65831	2.44746	5.43E+01	1.10E+00	1.86E-04	3.45E-01	2.95E+01	3.98E-01	4.59E+00	4.06E+00	8.61E+01
418	488919.6	3856600.76	5.24602	2.45486	7.26515	5.81393	62.69454	2.90245	2.64754	2.45486	5.38E+01	1.10E+00	1.84E-04	3.01E-01	2.89E+01	4.01E-01	4.57E+00	4.07E+00	8.50E+01
419	488819.6	3856650.76	5.39195	2.34943	6.69892	7.54455	65.61176	3.00143	2.62697	2.34943	5.53E+01	1.06E+00	1.70E-04	3.91E-01	3.02E+01	4.15E-01	4.54E+00	3.89E+00	8.80E+01
420	488869.6	3856650.76	5.34889	2.37057	7.37592	6.99755	64.39162	3.01151	2.62155	2.37057	5.48E+01	1.07E+00	1.87E-04	3.62E-01	2.97E+01	4.16E-01	4.53E+00	3.93E+00	8.70E+01
421	488819.6	3856700.76	5.44939	2.2637	6.34275	7.83137	66.02288	3.105	2.59593	2.2637	5.59E+01	1.02E+00	1.61E-04	4.05E-01	3.04E+01	4.29E-01	4.48E+00	3.75E+00	8.89E+01
422	488869.6	3856700.76	5.40747	2.28929	7.98375	7.32587	64.81445	3.10729	2.59031	2.28929	5.54E+01	1.03E+00	2.03E-04	3.79E-01	2.99E+01	4.30E-01	4.47E+00	3.79E+00	8.78E+01
423	488819.6	3856750.76	5.51522	2.17994	8.63831	8.08237	66.4685	3.19487	2.57273	2.17994	5.66E+01	9.81E-01	2.19E-04	4.18E-01	3.06E+01	4.42E-01	4.44E+00	3.61E+00	8.99E+01
424	488869.6	3856750.76	5.46577	2.20749	9.89629	7.66363	64.85158	3.20057	2.56232	2.20749	5.60E+01	9.93E-01	2.51E-04	3.97E-01	2.99E+01	4.42E-01	4.42E+00	3.66E+00	8.85E+01
425	488819.6	3857050.76	5.93738	1.69773	8.9112	9.52579	67.20074	6.22251	2.56838	1.69773	6.09E+01	7.64E-01	2.26E-04	4.93E-01	3.10E+01	8.60E-01	4.43E+00	2.81E+00	9.56E+01
426	488869.6	3857050.76	5.87305	1.65457	9.73452	9.52929	65.43815	6.6322	2.50929	1.65457	6.02E+01	7.45E-01	2.47E-04	4.93E-01	3.02E+01	9.17E-01	4.33E+00	2.74E+00	9.41E+01
427	488919.6	3857050.76	5.8144	1.63355	11.11941	9.03155	63.87438	6.5535	2.46186	1.63355	5.96E+01	7.35E-01	2.82E-04	4.68E-01	2.94E+01	9.06E-01	4.25E+00	2.71E+00	9.27E+01
428	488819.6	3857100.76	6.01139	1.80287	11.20747	9.73205	71.43431	6.97398	2.63056	1.80287	6.16E+01	8.11E-01	2.84E-04	5.04E-01	3.29E+01	9.64E-01	4.54E+00	2.99E+00	9.84E+01
429	488869.6	3857100.76	5.94896	1.72475	12.30091	9.78843	68.95898	6.85331	2.56949	1.72475	6.10E+01	7.76E-01	3.12E-04	5.07E-01	3.18E+01	9.47E-01	4.44E+00	2.86E+00	9.66E+01
430	488919.6	3857100.76	5.88357	1.64605	12.63052	9.38524	66.42307	6.38278	2.51323	1.64605	6.03E+01	7.41E-01	3.20E-04	4.86E-01	3.06E+01	8.82E-01	4.34E+00	2.73E+00	9.47E+01
431	488819.6	3857150.76	6.08221	1.89072	13.32102	9.93033	78.69315	7.18633	2.71471	1.89072	6.24E+01	8.51E-01	3.38E-04	5.14E-01	3.63E+01	9.94E-01	4.69E+00	3.13E+00	1.03E+02
432	488869.6	3857150.76	6.01448	1.83771	13.09213	10.06364	76.04445	6.64684	2.64732	1.83771	6.17E+01	8.27E-01	3.32E-04	5.21E-01	3.50E+01	9.19E-01	4.57E+00	3.04E+00	1.01E+02
433	488919.6	3857150.76	5.95156	1.75512	12.08228	9.72678	73.64872	5.93101	2.58525	1.75512	6.10E+01	7.90E-01	3.07E-04	5.04E-01	3.39E+01	8.20E-01	4.46E+00	2.91E+00	9.86E+01
434	488969.6	3857150.76	5.88979	1.65359	10.55468	8.85019	71.32873	5.2358	2.52787	1.65359	6.04E+01	7.44E-01	2.68E-04	4.58E-01	3.29E+01	7.24E-01	4.36E+00	2.74E+00	9.68E+01
435	488819.6	3857200.76	6.1461	1.9578	13.17147	10.12517	85.12844	6.91545	2.80317	1.9578	6.30E+01	8.81E-01	3.34E-04	5.24E-01	3.92E+01	9.56E-01	4.84E+00	3.24E+00	1.06E+02
436	488869.6	3857200.76	6.07529	1.93246	11.64222	10.32071	81.93292	6.17993	2.73113	1.93246	6.23E+01	8.70E-01	2.95E-04	5.34E-01	3.78E+01	8.54E-01	4.72E+00	3.20E+00	1.04E+02
437	488919.6	3857200.76	6.00954	1.87225	10.56743	10.06814	79.02929	5.44463	2.66391	1.87225	6.16E+01	8.43E-01	2.68E-04	5.21E-01	3.64E+01	7.53E-01	4.60E+00	3.10E+00	1.02E+02
438	488969.6	3857200.76	5.94926	1.78137	10.82712	9.25052	76.41475	4.77526	2.60104	1.78137	6.10E+01	8.02E-01	2.75E-04	4.79E-01	3.52E+01	6.60E-01	4.49E+00	2.95E+00	9.97E+01
439	488819.6	3857250.76	6.20331	1.99657	11.19648	10.3017	90.14378	6.35235	2.89286	1.99657	6.36E+01	8.99E-01	2.84E-04	5.33E-01	4.15E+01	8.78E-01	4.99E+00	3.31E+00	1.09E+02
440	488869.6	3857250.76	6.13193	1.9994	11.53556	10.55143	87.1644	5.60691	2.81834	1.9994	6.29E+01	9.00E-01	2.93E-04	5.46E-01	4.02E+01	7.75E-01	4.87E+00	3.31E+00	1.07E+02
441	488919.6	3857250.76	6.06363	1.96664	11.48575	10.38795	84.36126	4.94969	2.74717	1.96664	6.22E+01	8.85E-01	2.91E-04	5.38E-01	3.89E+01	6.84E-01	4.74E+00	3.26E+00	1.05E+02
442	488969.6	3857250.76	5.99853	1.90083	11.09137	9.65338	81.73114	5.16497	2.68004	1.90083	6.15E+01	8.55E-01	2.81E-04	5.00E-01	3.77E+01	7.14E-01	4.63E+00	3.15E+00	1.03E+02
443	488819.6	3857300.76	6.24571	2.01118	12.28885	10.48399	91.67577	5.77763	2.98	2.01118	6.40E+01	9.05E-01	3.12E-04	5.43E-01	4.22E+01	7.99E-01	5.15E+00	3.33E+00	1.10E+02
444	488869.6	3857300.76	6.17317	2.04462	11.85888	10.78148	89.00627	5.26902	2.90458	2.04462	6.33E+01	9.20E-01	3.01E-04	5.58E-01	4.10E+01	7.28E-01	5.01E+00	3.39E+00	1.08E+02
445	488919.6	3857300.76	6.10181	2.04462	11.11286	10.70188	86.38533	5.6724	2.8312	2.04462	6.26E+01	9.20E-01	2.82E-04	5.54E-01	3.98E+01	7.84E-01	4.89E+00	3.39E+00	1.06E+02
446	488819.6	3857450.76	6.27926	1.90943	13.9705	10.98843	84.71051	7.80914	3.20197	1.90943	6.44E+01	8.59E-01	3.54E-04	5.69E-01	3.90E+01	1.08E+00	5.53E+00	3.16E+00	1.08E+02
447	488869.6	3857450.76	6.20491	2.01182	14.68655	11.40286	81.32706	7.94865	3.13312	2.01182	6.36E+01	9.05E-01	3.73E-04	5.90E-01	3.75E+01	1.10E+00	5.41E+00	3.33E+00	1.06E+02
448	488919.6	3857450.76	6.12837	2.10358	14.85255	11.56482	77.54195	7.94845	3.06281	2.10358	6.28E+01	9.47E-01	3.77E-04	5.99E-01	3.57E+01	1.10E+00	5.29E+00	3.49E+00	1.03E+02
449	488819.6	3857500.76	6.25649	1.93147	15.8536	11.13824	84.8186	8.45084	3.25852	1.93147	6.42E+01	8.69E-01	4.02E-04	5.77E-01	3.91E+01	1.17E+00	5.63E+00	3.20E+00	1.08E+02
450	488869.6	3857500.76	6.17803	1.95953	15.0787	11.60517	82.33742	8.26969	3.19263	1.95953	6.33E+01	8.82E-01	3.83E-04	6.01E-01	3.79E+01	1.14E+00	5.51E+00	3.25E+00	1.06E+02
451	488919.6	3857500.76	6.10257	2.06802	14.65219	11.83615	79.70919	7.99535	3.12658	2.06802	6.26E+01	9.31E-01	3.72E-04	6.13E-01	3.67E+01	1.11E+00	5.40E+00	3.43E+00	1.04E+02
452	488819.6	3857550.76	6.21516	1.9589	15.08399	11.30662	81.60098	8.47488	3.30428	1.9589	6.37E+01	8.82E-01	3.83E-04	5.85E-01	3.76E+01	1.17E+00	5.70E+00	3.25E+00	1.06E+02
453	488869.6	3857550.76	6.13767	1.93837	15.10206	11.80476	80.12531	8.0836	3.24346	1.93837	6.29E+01	8.72E-01	3.83E-04	6.11E-01	3.69E+01	1.12E+00	5.60E+00	3.21E+00	1.05E+02
454	488919.6	3857550.76	6.06092	2.01312	15.02532	12.08448	78.38146	7.87586	3.18109	2.01312	6.21E+01	9.06E-01	3.81E-04	6.26E-01	3.61E+01	1.09E+00	5.49E+00	3.34E+00	1.03E+02
455	489663.71	3860900.05	8.92306	4.66794	10.21232	6.34064	26.98374	4.59021	4.66773	4.66794	9.15E+01	2.10E+00	2.59E-04	3.28E-01	1.24E+01	6.35E-01	8.06E+00	7.73E+00	1.07E+02
456	489813.71	3860900.05	7.30953	4.83378	9.04706	5.86723	33.48355	3.98932	4.89031	4.83378	7.50E+01	2.18E+00	2.30E-04	3.04E-01	1.54E+01	5.52E-01	8.44E+00	8.01E+00	9.38E+01
457	489863.71	3860900.05	6.91206	4.99244	8.36518	5.74895	35.00909	4.0037	5.05088	4.99244	7.09E+01	2.25E+00	2.12E-04	2.98E-01	1.61E+01	5.54E-01	8.72E+00	8.27E+00	9.06E+01
458	489913.71	3860900.05	6.53107	5.13341	7.74019	5.68693	36.31853	4.00827	5.19011	5.13341	6.70E+01	2.31E+00	1.96E-04	2.94E-01	1.67E+01	5.54E-01	8.96E+00	8.51E+00	8.73E+01
459	489963.71	3860900.05	6.1485	5.28991	6.27679	5.60328	37.05434	3.97919	5.34569	5.28991	6.30E+01	2.38E+00	1.59E-04	2.90E-01	1.71E+01	5.50E-01	9.23E+00	8.77E+00	8.38E+01
460	490013.71	3860900.05	5.93331	5.42478	7.63703	5.55967	37.53434	3.93385	5.47953	5.42478	6.08E+01	2.44E+00	1.94E-04	2.88E-01	1.73E+01	5.44E-01	9.46E+00	8.99E+00	8.19E+01
461	490063.71	3860900.05	5.87706	5.56443	9.24015	5.49574	37.49208	3.85434	5.62162	5.56443	6.03E+01	2.50E+00	2.34E-04	2.84E-01	1.73E+01	5.33E-01	9.71E+00	9.22E+00	8.13E+01
462	489663.71	3860950.05	9.27462	4.88854	9.79784	6.28908	25.1973	4.67381	4.90491	4.88854	9.51E+01	2.20E+00	2.49E-04	3.26E-01	1.16E+01	6.46E-01	8.47E+00	8.10E+00	1.10E+02
463	489813.71	3860950.05	7.51689	4.97048	8.7316	5.79721	31.89068	4.0176	4.9787	4.97048	7.71E+01	2.24E+00	2.22E-04	3.00E-01	1.47E+01	5.55E-01	8.60E+00	8.24E+00	9.52E+01
464	489863.71	3860950.05	7.12266	4.97948	8.04659	5.67221	33.55314	3.90998	4.98799	4.97948	7.30E+01	2.24E+00	2.04E-04	2.94E-01	1.55E+01	5.41E-01	8.61E+00	8.25E+00	9.19E+01
465	489913.71	3860950.05	6.74314	5.01203	7.51969	5.59968	35.0109	3.93322	5.01606	5.01203	6.91E+01	2.26E+00	1.91E-04	2.90E-01	1.61E+01	5.44E-01	8.66E+00	8.30E+00	8.87E+01
466	489963.71	3860950.05	6.36534	5.02978	6.22213	5.52326	36.01172	3.93197	5.02667	5.02978	6.53E+01	2.26E+00	1.58E-04	2.86E-01	1.66E+01	5.44E-01	8.68E+00	8.33E+00	8.53E+01
467	490013.71	3860950.05	5.99631	5.04701	7.08565	5.46839	36.664	3.91177	5.04827	5.04701	6.15E+01	2.27E+00	1.80E-04	2.83E-01	1.69E+01	5.41E-01	8.72E+00	8.36E+00	8.18E+01
468	490063.71	3860950.05	5.77984	5.0637	8.74477	5.4166	36.90656	3.86662	5.07648	5.0637	5.93E+01	2.28E+00	2.22E-04	2.80E-01	1.70E+01	5.35E-01	8.76E+00	8.39E+00	7.97E+01

469	489513.71	3861000.05	12.17163	4.84284	8.62927	7.73463	16.261	5.16635	4.87559	4.84284	1.25E+02	2.18E+00	2.19E-04	4.00E-01	7.49E+00	7.14E-01	8.42E+00	8.02E+00	1.36E+02
470	489563.71	3861000.05	11.29794	4.88958	9.25176	7.01602	18.60005	5.04105	4.9203	4.88958	1.16E+02	2.20E+00	2.35E-04	3.63E-01	8.57E+00	6.97E-01	8.49E+00	8.10E+00	1.28E+02
471	489613.71	3861000.05	10.44513	4.93433	10.02575	6.53575	21.04593	4.90509	4.96451	4.93433	1.07E+02	2.22E+00	2.54E-04	3.38E-01	9.70E+00	6.78E-01	8.57E+00	8.18E+00	1.20E+02
472	489663.71	3861000.05	9.61793	4.97889	9.41831	6.25456	23.48494	4.74183	5.00761	4.97889	9.86E+01	2.24E+00	2.39E-04	3.24E-01	1.08E+01	6.56E-01	8.65E+00	8.25E+00	1.13E+02
473	489713.71	3861000.05	8.82108	5.02352	7.9743	6.02268	25.84254	4.55129	5.05057	5.02352	9.05E+01	2.26E+00	2.02E-04	3.12E-01	1.19E+01	6.29E-01	8.72E+00	8.32E+00	1.06E+02
474	489763.71	3861000.05	8.10238	5.06473	8.58187	5.85057	28.11437	4.3463	5.09119	5.06473	8.31E+01	2.28E+00	2.18E-04	3.03E-01	1.30E+01	6.01E-01	8.79E+00	8.39E+00	9.96E+01
475	489813.71	3861000.05	7.71846	5.10805	8.44817	5.73916	30.2945	4.13922	5.13157	5.10805	7.91E+01	2.30E+00	2.14E-04	2.97E-01	1.40E+01	5.72E-01	8.86E+00	8.46E+00	9.67E+01
476	489863.71	3861000.05	7.32919	5.1476	7.76195	5.60933	32.08319	3.90795	5.1702	5.1476	7.52E+01	2.32E+00	1.97E-04	2.90E-01	1.48E+01	5.40E-01	8.93E+00	8.53E+00	9.35E+01
477	489913.71	3861000.05	6.95341	5.18681	7.33173	5.53272	33.69964	3.84366	5.20863	5.18681	7.13E+01	2.33E+00	1.86E-04	2.86E-01	1.55E+01	5.31E-01	8.99E+00	8.59E+00	9.04E+01
478	489963.71	3861000.05	6.57696	5.22529	6.15373	5.44621	34.86078	3.8599	5.24437	5.22529	6.74E+01	2.35E+00	1.56E-04	2.82E-01	1.61E+01	5.34E-01	9.05E+00	8.66E+00	8.71E+01
479	490013.71	3861000.05	6.21101	5.26212	6.57124	5.39032	35.73261	3.86362	5.28087	5.26212	6.37E+01	2.37E+00	1.67E-04	2.79E-01	1.65E+01	5.34E-01	9.12E+00	8.72E+00	8.37E+01
480	490063.71	3861000.05	5.84897	5.30146	8.24733	5.33563	36.18894	3.84476	5.31561	5.30146	6.00E+01	2.39E+00	2.09E-04	2.76E-01	1.67E+01	5.32E-01	9.18E+00	8.78E+00	8.02E+01
481	489513.71	3861050.05	12.42497	4.7482	8.63401	7.76109	14.85809	5.1684	4.78998	4.7482	1.27E+02	2.14E+00	2.19E-04	4.02E-01	6.85E+00	7.15E-01	8.27E+00	7.87E+00	1.38E+02
482	489563.71	3861050.05	11.59438	4.81253	9.17614	7.04243	17.09092	5.05574	4.8562	4.81253	1.19E+02	2.17E+00	2.33E-04	3.65E-01	7.88E+00	6.99E-01	8.38E+00	7.97E+00	1.30E+02
483	489613.71	3861050.05	10.76869	4.86295	9.76815	6.54269	19.48465	4.9441	4.90411	4.86295	1.10E+02	2.19E+00	2.48E-04	3.39E-01	8.98E+00	6.84E-01	8.47E+00	8.06E+00	1.23E+02
484	489663.71	3861050.05	9.95003	4.93276	9.12074	6.2208	21.81619	4.79044	4.97177	4.93276	1.02E+02	2.22E+00	2.31E-04	3.22E-01	1.01E+01	6.62E-01	8.58E+00	8.17E+00	1.16E+02
485	489713.71	3861050.05	9.15811	4.99466	7.73222	5.9761	24.14724	4.61966	5.03391	4.99466	9.39E+01	2.25E+00	1.96E-04	3.09E-01	1.11E+01	6.39E-01	8.69E+00	8.28E+00	1.09E+02
486	489763.71	3861050.05	8.399	5.05133	8.28135	5.8006	26.44517	4.43661	5.08974	5.05133	8.61E+01	2.27E+00	2.10E-04	3.00E-01	1.22E+01	6.13E-01	8.79E+00	8.37E+00	1.02E+02
487	489813.71	3861050.05	7.90842	5.10682	8.14984	5.66896	28.63102	4.23994	5.14466	5.10682	8.11E+01	2.30E+00	2.07E-04	2.93E-01	1.32E+01	5.86E-01	8.88E+00	8.46E+00	9.79E+01
488	489863.71	3861050.05	7.52828	5.16354	7.4885	5.54881	30.56748	4.02525	5.19944	5.16354	7.72E+01	2.32E+00	1.90E-04	2.87E-01	1.41E+01	5.57E-01	8.98E+00	8.56E+00	9.49E+01
489	489913.71	3861050.05	7.15431	5.21911	7.12179	5.45618	32.26678	3.81105	5.2537	5.21911	7.34E+01	2.35E+00	1.81E-04	2.82E-01	1.49E+01	5.27E-01	9.07E+00	8.65E+00	9.18E+01
490	489963.71	3861050.05	6.78435	5.27328	6.08311	5.37743	33.64656	3.77123	5.30852	5.27328	6.96E+01	2.37E+00	1.54E-04	2.78E-01	1.55E+01	5.21E-01	9.17E+00	8.74E+00	8.87E+01
491	490013.71	3861050.05	6.42419	5.32485	6.09377	5.32787	34.75764	3.79612	5.35849	5.32485	6.59E+01	2.40E+00	1.55E-04	2.76E-01	1.60E+01	5.25E-01	9.25E+00	8.82E+00	8.55E+01
492	490063.71	3861050.05	6.06384	5.37934	7.76639	5.26921	35.41422	3.7987	5.41149	5.37934	6.22E+01	2.42E+00	1.97E-04	2.73E-01	1.63E+01	5.25E-01	9.34E+00	8.91E+00	8.21E+01
493	489513.71	3861100.05	12.63572	4.53221	8.64814	7.81552	13.57956	5.17582	4.579	4.53221	1.30E+02	2.04E+00	2.19E-04	4.05E-01	6.26E+00	7.16E-01	7.91E+00	7.51E+00	1.39E+02
494	489563.71	3861100.05	11.8574	4.62632	9.08281	7.06126	15.65863	5.05879	4.67578	4.62632	1.22E+02	2.08E+00	2.30E-04	3.66E-01	7.22E+00	6.99E-01	8.07E+00	7.67E+00	1.32E+02
495	489613.71	3861100.05	11.05419	4.71736	9.40803	6.43698	17.82514	4.92942	4.7623	4.71736	1.13E+02	2.12E+00	2.39E-04	3.33E-01	8.21E+00	6.82E-01	8.22E+00	7.82E+00	1.25E+02
496	489663.71	3861100.05	10.26105	4.78443	8.83824	6.14859	20.13673	4.8065	4.83003	4.78443	1.05E+02	2.15E+00	2.24E-04	3.18E-01	9.28E+00	6.65E-01	8.34E+00	7.93E+00	1.18E+02
497	489713.71	3861100.05	9.48284	4.8514	7.49078	5.92033	22.46815	4.66451	4.89714	4.8514	9.72E+01	2.18E+00	1.90E-04	3.06E-01	1.04E+01	6.45E-01	8.45E+00	8.04E+00	1.11E+02
498	489763.71	3861100.05	8.72773	4.91853	7.96999	5.73761	24.75331	4.50144	4.96426	4.91853	8.95E+01	2.21E+00	2.02E-04	2.97E-01	1.14E+01	6.22E-01	8.57E+00	8.15E+00	1.04E+02
499	489813.71	3861100.05	8.09008	4.98416	7.86435	5.60193	26.96837	4.32388	5.02952	4.98416	8.30E+01	2.24E+00	2.00E-04	2.90E-01	1.24E+01	5.98E-01	8.68E+00	8.26E+00	9.89E+01
500	489863.71	3861100.05	7.72319	5.04254	7.24623	5.502	29.06296	4.13564	5.09045	5.04254	7.92E+01	2.27E+00	1.84E-04	2.85E-01	1.34E+01	5.72E-01	8.79E+00	8.36E+00	9.61E+01
501	489913.71	3861100.05	7.35038	5.11811	6.92861	5.3915	30.81594	3.92265	5.16341	5.11811	7.54E+01	2.30E+00	1.76E-04	2.79E-01	1.42E+01	5.42E-01	8.91E+00	8.48E+00	9.31E+01
502	489963.71	3861100.05	6.98646	5.18515	6.00593	5.31397	32.35875	3.71731	5.23007	5.18515	7.16E+01	2.33E+00	1.52E-04	2.75E-01	1.49E+01	5.14E-01	9.03E+00	8.59E+00	9.01E+01
503	490013.71	3861100.05	6.62386	5.25718	5.62554	5.23959	33.5385	3.70247	5.30244	5.25718	6.79E+01	2.37E+00	1.43E-04	2.71E-01	1.55E+01	5.12E-01	9.15E+00	8.71E+00	8.70E+01
504	490063.71	3861100.05	6.26853	5.32171	7.27721	5.18597	34.42108	3.72428	5.36556	5.32171	6.43E+01	2.40E+00	1.85E-04	2.68E-01	1.59E+01	5.15E-01	9.26E+00	8.82E+00	8.38E+01
505	489713.71	3861150.05	9.79546	4.61344	7.26099	5.87268	20.85563	4.69631	4.66644	4.61344	1.00E+02	2.08E+00	1.84E-04	3.04E-01	9.61E+00	6.49E-01	8.06E+00	7.64E+00	1.13E+02
506	489763.71	3861150.05	9.05039	4.68575	7.69804	5.69117	23.13177	4.55555	4.73805	4.68575	9.28E+01	2.11E+00	1.95E-04	2.95E-01	1.07E+01	6.30E-01	8.18E+00	7.76E+00	1.07E+02
507	489813.71	3861150.05	8.32744	4.75516	7.61326	5.54906	25.35557	4.39676	4.80608	4.75516	8.54E+01	2.14E+00	1.93E-04	2.87E-01	1.17E+01	6.08E-01	8.30E+00	7.88E+00	1.01E+02
508	489863.71	3861150.05	7.9018	4.83067	6.96187	5.42797	27.43542	4.217	4.88403	4.83067	8.10E+01	2.17E+00	1.77E-04	2.81E-01	1.26E+01	5.83E-01	8.43E+00	8.00E+00	9.71E+01
509	489913.71	3861150.05	7.53834	4.91164	6.73182	5.3246	29.31563	4.02201	4.96646	4.91164	7.73E+01	2.21E+00	1.71E-04	2.76E-01	1.35E+01	5.56E-01	8.57E+00	8.14E+00	9.43E+01
510	489963.71	3861150.05	7.17746	4.99034	5.89719	5.23597	30.94477	3.81932	5.04611	4.99034	7.36E+01	2.25E+00	1.50E-04	2.71E-01	1.43E+01	5.28E-01	8.71E+00	8.27E+00	9.13E+01
511	490013.71	3861150.05	6.82045	5.07241	5.19455	5.16319	32.29367	3.61918	5.12443	5.07241	6.99E+01	2.28E+00	1.32E-04	2.67E-01	1.49E+01	5.00E-01	8.85E+00	8.40E+00	8.83E+01
512	490063.71	3861150.05	6.47078	5.142	6.81267	5.11523	33.38737	3.63741	5.19846	5.142	6.64E+01	2.31E+00	1.73E-04	2.65E-01	1.54E+01	5.03E-01	8.98E+00	8.52E+00	8.53E+01
513	489613.71	3861200.05	11.55229	4.306	8.95997	6.39885	14.95161	4.91738	4.34688	4.306	1.18E+02	1.94E+00	2.27E-04	3.31E-01	6.89E+00	6.80E-01	7.50E+00	7.13E+00	1.29E+02
514	489663.71	3861200.05	10.82816	4.35942	8.32706	6.06084	17.09705	4.82307	4.40145	4.35942	1.11E+02	1.96E+00	2.11E-04	3.14E-01	7.88E+00	6.67E-01	7.60E+00	7.22E+00	1.22E+02
515	489713.71	3861200.05	10.09267	4.41354	7.04113	5.83119	19.31241	4.71651	4.4559	4.41354	1.03E+02	1.99E+00	1.79E-04	3.02E-01	8.90E+00	6.52E-01	7.69E+00	7.31E+00	1.16E+02
516	489763.71	3861200.05	9.36052	4.46835	7.4356	5.64412	21.54925	4.59281	4.51069	4.46835	9.60E+01	2.01E+00	1.89E-04	2.92E-01	9.93E+00	6.35E-01	7.79E+00	7.40E+00	1.09E+02
517	489813.71	3861200.05	8.64424	4.52403	7.3696	5.49653	23.76117	4.45227	4.56621	4.52403	8.86E+01	2.04E+00	1.87E-04	2.85E-01	1.10E+01	6.16E-01	7.88E+00	7.50E+00	1.03E+02
518	489863.71	3861200.05	8.08027	4.57688	6.73455	5.3833	25.90548	4.29613	4.61977	4.57688	8.29E+01	2.06E+00	1.71E-04	2.79E-01	1.19E+01	5.94E-01	7.98E+00	7.58E+00	9.81E+01
519	489913.71	3861200.05	7.72288	4.63549	6.55978	5.2739	27.84561	4.11508	4.67825	4.63549	7.92E+01	2.09E+00	1.66E-04	2.73E-01	1.28E+01	5.69E-01	8.08E+00	7.68E+00	9.53E+01
520	489963.71	3861200.05	7.36663	4.69882	5.80935	5.17867	29.56325	3.92104	4.75404	4.69882	7.55E+01	2.11E+00	1.47E-04	2.68E-01	1.36E+01	5.42E-01	8.21E+00	7.79E+00	9.25E+01
521	490013.71	3861200.05	7.01655	4.7822	4.80304	5.11026	31.0775	3.72886	4.8366	4.7822	7.19E+01	2.15E+00	1.22E-04	2.65E-01	1.43E+01	5.16E-01	8.35E+00	7.92E+00	8.96E+01
522	490063.71	3861200.05	6.66737	4.86806	6.36583	5.047	32.27579	3.54047	4.92439	4.86806	6.84E+01	2.19E+00	1.61E-04	2.61E-01	1.49E+01	4.89E-01	8.50E+00	8.07E+00	8.66E+01
523	489513.71	3861250.05	12.92548	3.9989	8.28901	7.62289	9.94916	5.07406	4.03861	3.9989	1.33E+02	1.80E+00	2.10E-04	3.95E-01	4.58E+00	7.02E-01	6.97E+00	6.63E+00	1.40E+02
524	489563.71	3861250.05	12.37707	4.05408	8.64721	6.98664	11.74266	4.99614	4.09524	4.05408	1.27E+02	1.82E+00	2.19E-04	3.62E-01	5.41E+00	6.91E-01	7.07E+00	6.72E+00	1.36E+02
525	489613.71	3861250.05	11.75262	4.10879	8.75306	6.41925	13.67686	4.91514	4.15232	4.10879	1.21E+02	1.85E+00	2.22E-04	3.32E-01	6.30E+00	6.80E-01	7.17E+00	6.81E+00	1.30E+02
526	489663.71	3861250.05	11.07422	4.16772	8.08923	6.03133	15.71166	4.82427	4.20978	4.16772	1.14E+02	1.88E+00	2.05E-04	3.12E-01	7.24E+00	6.67E-01	7.27E+00	6.91E+00	1.24E+02
527	489713.71	3861250.05	10.36995	4.22437	6.83151	5.79613	17.84869	4.72832	4.26791	4.22437	1.06E+02	1.90E+00	1.73E-04	3.00E-01	8.23E+00	6.54E-01	7.37E+00	7.00E+00	1.18E+02

528	489763.71	3861250.05	9.65781	4.28144	7.19454	5.60488	20.0289	4.61938	4.32651	4.28144	9.90E+01	1.93E+00	1.83E-04	2.90E-01	9.23E+00	6.39E-01	7.47E+00	7.09E+00	1.11E+02
529	489813.71	3861250.05	8.95231	4.33888	7.14071	5.44911	22.20628	4.49405	4.38551	4.33888	9.18E+01	1.95E+00	1.81E-04	2.82E-01	1.02E+01	6.21E-01	7.57E+00	7.19E+00	1.05E+02
530	489863.71	3861250.05	8.26164	4.3975	6.48789	5.32219	24.32899	4.35091	4.44492	4.3975	8.47E+01	1.98E+00	1.65E-04	2.76E-01	1.12E+01	6.02E-01	7.67E+00	7.29E+00	9.92E+01
531	489913.71	3861250.05	7.89881	4.45594	6.38597	5.22291	26.35492	4.19289	4.50432	4.45594	8.10E+01	2.01E+00	1.62E-04	2.70E-01	1.21E+01	5.80E-01	7.78E+00	7.38E+00	9.64E+01
532	489963.71	3861250.05	7.55249	4.51635	5.73341	5.13541	28.19383	4.01751	4.56527	4.51635	7.74E+01	2.03E+00	1.45E-04	2.66E-01	1.30E+01	5.55E-01	7.88E+00	7.48E+00	9.37E+01
533	490013.71	3861250.05	7.20633	4.58022	4.70319	5.05934	29.80222	3.83146	4.62574	4.58022	7.39E+01	2.06E+00	1.19E-04	2.62E-01	1.37E+01	5.30E-01	7.99E+00	7.59E+00	9.09E+01
534	490063.71	3861250.05	6.85916	4.64201	5.94165	4.98554	31.10298	3.6383	4.69025	4.64201	7.03E+01	2.09E+00	1.51E-04	2.58E-01	1.43E+01	5.03E-01	8.10E+00	7.69E+00	8.79E+01
535	489528.13	3861308.47	12.83346	3.72025	8.18581	7.41275	9.26856	5.04151	3.75784	3.72025	1.32E+02	1.67E+00	2.08E-04	3.84E-01	4.27E+00	6.97E-01	6.49E+00	6.16E+00	1.39E+02
536	489578.13	3861308.47	12.33507	3.77906	8.55241	6.80285	10.96024	4.95729	3.817	3.77906	1.26E+02	1.70E+00	2.17E-04	3.52E-01	5.05E+00	6.85E-01	6.59E+00	6.26E+00	1.35E+02
537	489628.13	3861308.47	11.76257	3.83796	8.36633	6.2595	12.79544	4.87553	3.8769	3.83796	1.21E+02	1.73E+00	2.12E-04	3.24E-01	5.90E+00	6.74E-01	6.69E+00	6.36E+00	1.30E+02
538	489678.13	3861308.47	11.1338	3.89569	7.51114	5.92032	14.76345	4.79494	3.9369	3.89569	1.14E+02	1.75E+00	1.91E-04	3.06E-01	6.80E+00	6.63E-01	6.80E+00	6.45E+00	1.24E+02
539	489728.13	3861308.47	10.4682	3.95539	6.55398	5.69762	16.823	4.70693	3.99641	3.95539	1.07E+02	1.78E+00	1.66E-04	2.95E-01	7.75E+00	6.51E-01	6.90E+00	6.55E+00	1.18E+02
540	489778.13	3861308.47	9.78369	4.01598	6.97984	5.50629	18.92766	4.60485	4.05926	4.01598	1.00E+02	1.81E+00	1.77E-04	2.85E-01	8.72E+00	6.37E-01	7.01E+00	6.65E+00	1.12E+02
541	489678.13	3861358.47	11.32309	3.60703	7.28944	5.88333	13.511	4.78848	3.64382	3.60703	1.16E+02	1.62E+00	1.85E-04	3.05E-01	6.23E+00	6.62E-01	6.29E+00	5.98E+00	1.25E+02
542	489728.13	3861358.47	10.69871	3.6677	6.34731	5.65615	15.47648	4.70462	3.70558	3.6677	1.10E+02	1.65E+00	1.61E-04	2.93E-01	7.13E+00	6.50E-01	6.40E+00	6.08E+00	1.20E+02
543	489528.13	3861408.47	12.86375	3.11224	7.9182	7.38719	7.50298	5.05145	3.14239	3.11224	1.32E+02	1.40E+00	2.01E-04	3.82E-01	3.46E+00	6.98E-01	5.43E+00	5.16E+00	1.38E+02
544	489578.13	3861408.47	12.46742	3.17079	8.20214	6.78717	8.96566	4.95223	3.20071	3.17079	1.28E+02	1.43E+00	2.08E-04	3.51E-01	4.13E+00	6.85E-01	5.53E+00	5.25E+00	1.35E+02
545	489628.13	3861408.47	12.01126	3.22755	7.94439	6.28572	10.60316	4.87436	3.25862	3.22755	1.23E+02	1.45E+00	2.02E-04	3.25E-01	4.89E+00	6.74E-01	5.63E+00	5.35E+00	1.31E+02
546	489678.13	3861408.47	11.48266	3.28816	7.08042	5.85604	12.34566	4.78645	3.32158	3.28816	1.18E+02	1.48E+00	1.80E-04	3.03E-01	5.69E+00	6.62E-01	5.73E+00	5.45E+00	1.26E+02
547	489728.13	3861408.47	10.90091	3.34997	6.15228	5.61684	14.20151	4.70047	3.38437	3.34997	1.12E+02	1.51E+00	1.56E-04	2.91E-01	6.54E+00	6.50E-01	5.84E+00	5.55E+00	1.21E+02
548	489528.13	3861458.47	12.86329	2.77657	7.79382	7.3959	6.74242	5.07935	2.80088	2.77657	1.32E+02	1.25E+00	1.98E-04	3.83E-01	3.11E+00	7.02E-01	4.84E+00	4.60E+00	1.38E+02
549	489578.13	3861458.47	12.50558	2.83329	8.03822	6.79823	8.09685	4.96979	2.8581	2.83329	1.28E+02	1.28E+00	2.04E-04	3.52E-01	3.73E+00	6.87E-01	4.93E+00	4.69E+00	1.35E+02
550	489628.13	3861458.47	12.08944	2.89056	7.72724	6.27697	9.60195	4.87295	2.91698	2.89056	1.24E+02	1.30E+00	1.96E-04	3.25E-01	4.42E+00	6.74E-01	5.04E+00	4.79E+00	1.31E+02
551	489678.13	3861458.47	11.6107	2.95025	6.87196	5.81749	11.24527	4.78265	2.977	2.95025	1.19E+02	1.33E+00	1.74E-04	3.01E-01	5.18E+00	6.61E-01	5.14E+00	4.89E+00	1.27E+02
552	489728.13	3861458.47	11.0726	3.01144	5.95247	5.56534	12.9895	4.6908	3.03975	3.01144	1.14E+02	1.36E+00	1.51E-04	2.88E-01	5.99E+00	6.49E-01	5.25E+00	4.99E+00	1.22E+02
553	489528.13	3861508.47	12.8538	2.43374	7.65896	7.39421	6.04576	5.11458	2.45282	2.43374	1.32E+02	1.10E+00	1.94E-04	3.83E-01	2.79E+00	7.07E-01	4.23E+00	4.03E+00	1.37E+02
554	489578.13	3861508.47	12.52445	2.48833	7.86211	6.78767	7.28764	4.98851	2.50826	2.48833	1.28E+02	1.12E+00	1.99E-04	3.51E-01	3.36E+00	6.90E-01	4.33E+00	4.12E+00	1.34E+02
555	489628.13	3861508.47	12.14581	2.5442	7.51543	6.26604	8.68155	4.87883	2.5649	2.5442	1.25E+02	1.15E+00	1.91E-04	3.24E-01	4.00E+00	6.75E-01	4.43E+00	4.22E+00	1.31E+02
556	489678.13	3861508.47	11.71038	2.60168	6.6652	5.78669	10.21114	4.77961	2.62346	2.60168	1.20E+02	1.17E+00	1.69E-04	3.00E-01	4.71E+00	6.61E-01	4.53E+00	4.31E+00	1.27E+02
557	489728.13	3861508.47	11.21994	2.66053	5.77525	5.52696	11.86825	4.68884	2.68306	2.66053	1.15E+02	1.20E+00	1.47E-04	2.86E-01	5.47E+00	6.48E-01	4.63E+00	4.41E+00	1.23E+02
558	489628.13	3861558.47	12.19197	2.2996	7.32593	6.27871	7.8487	4.90488	2.25805	2.2996	1.25E+02	1.03E+00	1.86E-04	3.25E-01	3.62E+00	6.78E-01	3.90E+00	3.81E+00	1.31E+02
559	489678.13	3861558.47	11.80085	2.26515	6.49514	5.82316	9.29901	4.80563	2.27889	2.26515	1.21E+02	1.02E+00	1.65E-04	3.01E-01	4.29E+00	6.64E-01	3.93E+00	3.75E+00	1.27E+02
560	489728.13	3861558.47	11.35156	2.30057	5.64889	5.53048	10.86507	4.7093	2.31784	2.30057	1.16E+02	1.04E+00	1.43E-04	2.86E-01	5.01E+00	6.51E-01	4.00E+00	3.81E+00	1.24E+02
561	489357.08	3861015.81	14.59836	4.65719	7.93788	11.61689	9.44887	5.47328	4.69437	4.65719	1.50E+02	2.10E+00	2.01E-04	6.01E-01	4.35E+00	7.57E-01	8.10E+00	7.72E+00	1.58E+02
562	489407.08	3861015.81	13.96804	4.71677	6.91939	9.8409	11.26883	5.36909	4.75476	4.71677	1.43E+02	2.12E+00	1.76E-04	5.09E-01	5.19E+00	7.42E-01	8.21E+00	7.82E+00	1.52E+02
563	489457.08	3861015.81	13.20435	4.77144	7.35516	8.67816	13.29097	5.27254	4.80797	4.77144	1.35E+02	2.15E+00	1.87E-04	4.49E-01	6.13E+00	7.29E-01	8.30E+00	7.91E+00	1.45E+02
564	489357.08	3861065.81	14.51774	4.49716	7.34798	11.6593	8.46701	5.45797	4.54098	4.49716	1.49E+02	2.02E+00	1.86E-04	6.04E-01	3.90E+00	7.55E-01	7.84E+00	7.45E+00	1.57E+02
565	489407.08	3861065.81	13.99837	4.57094	6.44225	9.86204	10.15322	5.35154	4.61621	4.57094	1.44E+02	2.06E+00	1.63E-04	5.11E-01	4.68E+00	7.40E-01	7.97E+00	7.57E+00	1.52E+02
566	489457.08	3861065.81	13.34654	4.63712	7.47997	8.69145	12.0436	5.25862	4.6823	4.63712	1.37E+02	2.09E+00	1.90E-04	4.50E-01	5.55E+00	7.27E-01	8.08E+00	7.68E+00	1.46E+02
567	489357.08	3861115.81	14.4204	4.26437	6.95054	11.66436	7.56303	5.44473	4.30325	4.26437	1.48E+02	1.92E+00	1.76E-04	6.04E-01	3.49E+00	7.53E-01	7.43E+00	7.07E+00	1.55E+02
568	489407.08	3861115.81	13.9877	4.32642	6.25397	9.91937	9.14679	5.3461	4.37352	4.32642	1.43E+02	1.95E+00	1.59E-04	5.13E-01	4.22E+00	7.39E-01	7.55E+00	7.17E+00	1.51E+02
569	489457.08	3861115.81	13.43662	4.39685	7.60272	8.74253	10.91265	5.25508	4.44394	4.39685	1.38E+02	1.98E+00	1.93E-04	4.53E-01	5.03E+00	7.27E-01	7.67E+00	7.29E+00	1.46E+02
570	489407.08	3861165.81	13.95062	4.1848	6.43507	9.9634	8.21706	5.34498	4.22238	4.1848	1.43E+02	1.88E+00	1.63E-04	5.16E-01	3.79E+00	7.39E-01	7.29E+00	6.93E+00	1.50E+02
571	489457.08	3861165.81	13.4757	4.23986	7.67422	8.74229	9.83868	5.24083	4.27747	4.23986	1.38E+02	1.91E+00	1.95E-04	4.53E-01	4.53E+00	7.25E-01	7.39E+00	7.03E+00	1.46E+02
572	489407.08	3861215.81	13.87662	4.02257	6.51886	9.82081	7.30165	5.31128	4.06293	4.02257	1.42E+02	1.81E+00	1.65E-04	5.08E-01	3.36E+00	7.34E-01	7.01E+00	6.67E+00	1.49E+02
573	489457.08	3861215.81	13.46741	4.07816	7.66744	8.64945	8.80301	5.20601	4.11678	4.07816	1.38E+02	1.84E+00	1.95E-04	4.48E-01	4.06E+00	7.20E-01	7.11E+00	6.76E+00	1.46E+02
574	489407.08	3861265.81	13.7976	3.80588	6.58332	9.668	6.4798	5.28644	3.84228	3.80588	1.41E+02	1.71E+00	1.67E-04	5.00E-01	2.99E+00	7.31E-01	6.63E+00	6.31E+00	1.48E+02
575	489457.08	3861265.81	13.4384	3.86136	7.64749	8.55725	7.86297	5.18055	3.89991	3.86136	1.38E+02	1.74E+00	1.94E-04	4.43E-01	3.62E+00	7.16E-01	6.73E+00	6.40E+00	1.45E+02
576	489309.86	3861110.14	14.75935	4.2334	8.41745	14.38585	7.26588	5.54639	4.27324	4.2334	1.51E+02	1.91E+00	2.14E-04	7.45E-01	3.35E+00	7.67E-01	7.38E+00	7.01E+00	1.58E+02
577	489407.08	3861315.81	13.73325	3.54043	6.67999	9.65731	5.95361	5.30493	3.57668	3.54043	1.41E+02	1.59E+00	1.69E-04	5.00E-01	2.74E+00	7.33E-01	6.18E+00	5.87E+00	1.47E+02
578	489457.08	3861315.81	13.4086	3.59752	7.65538	8.54828	7.04303	5.18774	3.63275	3.59752	1.37E+02	1.62E+00	1.94E-04	4.43E-01	3.25E+00	7.17E-01	6.27E+00	5.96E+00	1.44E+02
579	488906.03	3861006.75	17.49086	4.09695	9.81029	8.83834	19.67853	7.43965	4.13493	4.09695	1.79E+02	1.84E+00	2.49E-04	4.58E-01	9.07E+00	1.03E+00	7.14E+00	6.79E+00	1.92E+02
580	488956.03	3861006.75	17.26478	4.13532	10.038	10.07406	18.74704	7.07634	4.17381	4.13532	1.77E+02	1.86E+00	2.55E-04	5.22E-01	8.64E+00	9.78E-01	7.21E+00	6.85E+00	1.89E+02
581	488904.24	3861051.87	17.33815	3.81282	9.92804	8.37318	20.11024	7.58993	3.84158	3.81282	1.78E+02	1.72E+00	2.52E-04	4.33E-01	9.27E+00	1.05E+00	6.63E+00	6.32E+00	1.91E+02
582	488954.24	3861051.87	17.06831	3.92602	10.46651	9.95569	18.98918	7.20589	3.9541	3.92602	1.75E+02	1.77E+00	2.66E-04	5.15E-01	8.75E+00	9.96E-01	6.83E+00	6.51E+00	1.87E+02
583	489004.24	3861051.87	16.84625	3.91186	11.16782	11.77834	17.85032	6.85897	3.94062	3.91186	1.73E+02	1.76E+00	2.83E-04	6.10E-01	8.23E+00	9.48E-01	6.80E+00	6.48E+00	1.85E+02
584	488804.24	3861101.87	17.33978	3.7137	9.80762	7.33981	20.13936	8.53056	3.74538	3.7137	1.78E+02	1.67E+00	2.49E-04	3.80E-01	9.28E+00	1.18E+00	6.47E+00	6.15E+00	1.91E+02
585	488854.24	3861101.87	17.20985	3.72305	9.60537	7.63273	20.23839	8.13922	3.75556	3.72305	1.76E+02	1.68E+00	2.44E-04	3.95E-01	9.33E+00	1.13E+00	6.48E+00	6.17E+00	1.89E+02
586	488904.24	3861101.87	16.96261	3.8618	9.24458	8.51308	19.49413	7.68113	3.89349	3.8618	1.74E+02	1.74E+00	2.35E-04	4.41E-01	8.98E+00	1.06E+00	6.72E+00	6.40E+00	1.86E+02

587	488954.24	3861101.87	16.74352	3.92313	10.03711	9.29162	18.61944	7.25053	3.95415	3.92313	1.72E+02	1.77E+00	2.55E-04	4.81E-01	8.58E+00	1.00E+00	6.83E+00	6.50E+00	1.84E+02
588	489004.24	3861101.87	16.51739	3.9644	10.03667	11.04309	17.50107	6.89274	3.99567	3.9644	1.69E+02	1.78E+00	2.55E-04	5.72E-01	8.07E+00	9.53E-01	6.90E+00	6.57E+00	1.81E+02
589	488804.24	3861151.87	16.97287	3.65463	8.78096	7.4003	19.36063	8.35824	3.68528	3.65463	1.74E+02	1.64E+00	2.23E-04	3.83E-01	8.92E+00	1.16E+00	6.36E+00	6.06E+00	1.86E+02
590	488854.24	3861151.87	16.82293	3.70504	8.46374	7.80744	19.40692	8.03932	3.73638	3.70504	1.73E+02	1.67E+00	2.15E-04	4.04E-01	8.94E+00	1.11E+00	6.45E+00	6.14E+00	1.85E+02
591	489129.49	3861187.55	15.54059	3.85058	9.37245	22.95025	13.94664	6.24818	3.88577	3.85058	1.59E+02	1.73E+00	2.38E-04	1.19E+00	6.43E+00	8.64E-01	6.71E+00	6.38E+00	1.70E+02
592	489179.49	3861187.55	15.2735	3.90088	10.00558	42.41228	12.24484	5.99985	3.9364	3.90088	1.57E+02	1.76E+00	2.54E-04	2.20E+00	5.64E+00	8.29E-01	6.80E+00	6.46E+00	1.67E+02
593	488804.24	3861201.87	16.72118	3.4613	8.4613	7.21603	19.02935	8.25504	3.49216	3.4613	1.71E+02	1.56E+00	2.15E-04	3.74E-01	8.77E+00	1.14E+00	6.03E+00	5.74E+00	1.84E+02
594	488854.24	3861201.87	16.56461	3.51285	8.4952	7.54651	19.09128	7.98954	3.54419	3.51285	1.70E+02	1.58E+00	2.16E-04	3.91E-01	8.80E+00	1.10E+00	6.12E+00	5.82E+00	1.82E+02
595	489129.49	3861237.55	15.40297	3.63278	9.47746	22.98363	14.27241	6.36395	3.66732	3.63278	1.58E+02	1.63E+00	2.40E-04	1.19E+00	6.58E+00	8.80E-01	6.33E+00	6.02E+00	1.69E+02
596	489179.49	3861237.55	15.14019	3.69099	9.71766	42.55207	12.5882	6.07883	3.72544	3.69099	1.55E+02	1.66E+00	2.47E-04	2.20E+00	5.80E+00	8.40E-01	6.43E+00	6.12E+00	1.66E+02
597	488804.24	3861251.87	16.4902	3.21864	8.02391	7.06168	18.71519	8.13193	3.24715	3.21864	1.69E+02	1.45E+00	2.04E-04	3.66E-01	8.62E+00	1.12E+00	5.61E+00	5.33E+00	1.81E+02
598	488854.24	3861251.87	16.33691	3.28227	8.74677	7.53994	18.84215	7.92688	3.31185	3.28227	1.68E+02	1.48E+00	2.22E-04	3.90E-01	8.68E+00	1.10E+00	5.72E+00	5.44E+00	1.79E+02
599	488804.24	3861301.87	16.24818	2.95438	8.12451	7.12371	18.31031	7.96492	2.97967	2.95438	1.67E+02	1.33E+00	2.06E-04	3.69E-01	8.44E+00	1.10E+00	5.14E+00	4.90E+00	1.78E+02
600	488854.24	3861301.87	16.12054	3.0133	8.82331	7.62718	18.57114	7.82738	3.03967	3.0133	1.65E+02	1.36E+00	2.24E-04	3.95E-01	8.56E+00	1.08E+00	5.25E+00	4.99E+00	1.77E+02
601	490943.5	3860181.97	8.9122	10.18524	19.84021	10.87334	13.62528	6.17941	8.40818	10.18524	9.14E+01	4.58E+00	5.03E-04	5.63E-01	6.28E+00	8.54E-01	1.45E+01	1.69E+01	1.01E+02
602	490993.5	3860181.97	9.08227	10.98151	19.25984	10.3994	13.48108	6.36592	8.67596	10.98151	9.31E+01	4.94E+00	4.89E-04	5.38E-01	6.21E+00	8.80E-01	1.50E+01	1.82E+01	1.02E+02
603	491043.5	3860181.97	9.24988	11.7397	19.47089	10.60661	13.7069	7.12	9.38045	11.7397	9.48E+01	5.28E+00	4.94E-04	5.49E-01	6.32E+00	9.84E-01	1.62E+01	1.95E+01	1.05E+02
604	491093.5	3860181.97	9.42061	12.41299	19.27841	12.18917	13.72662	7.89545	10.238	12.41299	9.66E+01	5.59E+00	4.89E-04	6.31E-01	6.33E+00	1.09E+00	1.77E+01	2.06E+01	1.07E+02
605	490943.5	3860231.97	8.47958	8.44128	19.88455	10.9332	13.57171	5.58985	7.42181	8.44128	8.69E+01	3.80E+00	5.04E-04	5.66E-01	6.25E+00	7.73E-01	1.28E+01	1.40E+01	9.72E+01
606	490993.5	3860231.97	8.64751	9.28629	19.65334	10.61246	13.41052	5.70066	7.88698	9.28629	8.87E+01	4.18E+00	4.99E-04	5.49E-01	6.18E+00	7.88E-01	1.36E+01	1.54E+01	9.86E+01
607	491043.5	3860231.97	8.79244	10.00147	18.74429	10.11643	13.17224	5.83446	8.14982	10.00147	9.02E+01	4.50E+00	4.76E-04	5.24E-01	6.07E+00	8.07E-01	1.41E+01	1.66E+01	9.96E+01
608	491093.5	3860231.97	8.93694	10.67274	19.06802	9.61833	13.381	6.47333	8.32895	10.67274	9.16E+01	4.80E+00	4.84E-04	4.98E-01	6.17E+00	8.95E-01	1.44E+01	1.77E+01	1.01E+02
609	490943.5	3860281.97	8.1162	7.41122	18.361	10.92642	13.31357	5.35597	6.3293	7.41122	8.32E+01	3.34E+00	4.66E-04	5.66E-01	6.14E+00	7.40E-01	1.09E+01	1.23E+01	9.26E+01
610	490993.5	3860281.97	8.2559	7.68776	19.1099	10.66308	13.33511	5.30299	6.89669	7.68776	8.47E+01	3.46E+00	4.85E-04	5.52E-01	6.15E+00	7.33E-01	1.19E+01	1.27E+01	9.47E+01
611	491043.5	3860281.97	8.38917	8.4075	19.04544	10.2661	13.14335	5.2076	7.3164	8.4075	8.60E+01	3.78E+00	4.83E-04	5.31E-01	6.06E+00	7.20E-01	1.26E+01	1.39E+01	9.58E+01
612	491093.5	3860281.97	8.52426	9.10122	18.33582	9.82032	12.84454	5.33635	7.6275	9.10122	8.74E+01	4.10E+00	4.65E-04	5.08E-01	5.92E+00	7.38E-01	1.32E+01	1.51E+01	9.68E+01
613	490943.5	3860331.97	7.81496	6.80685	15.93292	10.61826	12.85769	5.17039	5.80539	6.80685	8.01E+01	3.06E+00	4.04E-04	5.50E-01	5.93E+00	7.15E-01	1.00E+01	1.13E+01	8.91E+01
614	490993.5	3860331.97	7.91449	7.03698	17.20408	10.56407	13.02903	5.16775	6.03749	7.03698	8.12E+01	3.17E+00	4.36E-04	5.47E-01	6.00E+00	7.14E-01	1.04E+01	1.17E+01	9.04E+01
615	491043.5	3860331.97	8.02689	7.20813	18.01234	10.29585	13.02938	5.09606	6.32504	7.20813	8.23E+01	3.24E+00	4.57E-04	5.33E-01	6.00E+00	7.05E-01	1.09E+01	1.19E+01	9.18E+01
616	491093.5	3860331.97	8.14829	7.61252	18.25551	9.91296	12.86525	4.97098	6.76621	7.61252	8.36E+01	3.43E+00	4.63E-04	5.13E-01	5.93E+00	6.87E-01	1.17E+01	1.26E+01	9.32E+01
617	490086.72	3859935.12	8.5967	6.02813	20.06318	11.07591	30.13997	6.78449	7.11147	6.02813	8.82E+01	2.71E+00	5.09E-04	5.73E-01	1.39E+01	9.38E-01	1.23E+01	9.99E+00	1.09E+02
618	490136.72	3859935.12	8.60962	6.508	23.21908	11.04332	28.20878	6.81043	7.51589	6.508	8.83E+01	2.93E+00	5.89E-04	5.72E-01	1.30E+01	9.42E-01	1.30E+01	1.08E+01	1.08E+02
619	490186.72	3859935.12	8.64905	7.02266	20.87911	10.97271	26.02175	7.04906	7.7973	7.02266	8.87E+01	3.16E+00	5.30E-04	5.68E-01	1.20E+01	9.75E-01	1.35E+01	1.16E+01	1.07E+02
620	490236.72	3859935.12	8.71938	7.58481	21.63755	10.90975	23.66723	7.30671	7.97933	7.58481	8.94E+01	3.41E+00	5.49E-04	5.65E-01	1.09E+01	1.01E+00	1.38E+01	1.26E+01	1.07E+02
621	490286.72	3859935.12	8.8224	8.20092	23.11297	11.31093	21.1989	7.57418	8.07472	8.20092	9.05E+01	3.69E+00	5.86E-04	5.86E-01	9.77E+00	1.05E+00	1.39E+01	1.36E+01	1.06E+02
622	490336.72	3859935.12	8.96718	8.88758	22.19895	11.8428	18.72861	7.85843	8.07836	8.88758	9.19E+01	4.00E+00	5.63E-04	6.13E-01	8.63E+00	1.09E+00	1.39E+01	1.47E+01	1.06E+02
623	490386.72	3859935.12	9.16251	9.63636	22.19992	13.08088	16.3489	8.17556	7.95091	9.63636	9.40E+01	4.34E+00	5.63E-04	6.77E-01	7.53E+00	1.13E+00	1.37E+01	1.60E+01	1.05E+02
624	490436.72	3859935.12	9.4019	10.58597	23.47052	14.1024	14.34972	8.51154	9.24282	10.58597	9.64E+01	4.76E+00	5.95E-04	7.30E-01	6.61E+00	1.18E+00	1.60E+01	1.75E+01	1.08E+02
625	490486.72	3859935.12	9.68508	12.13356	25.50766	14.66754	14.96371	8.88938	10.3909	12.13356	9.93E+01	5.46E+00	6.47E-04	7.59E-01	6.90E+00	1.23E+00	1.79E+01	2.01E+01	1.11E+02
626	490536.72	3859935.12	10.0166	13.87374	25.8281	14.81531	15.41014	9.38713	11.396	13.87374	1.03E+02	6.24E+00	6.55E-04	7.67E-01	7.10E+00	1.30E+00	1.97E+01	2.30E+01	1.15E+02
627	490586.72	3859935.12	10.36855	15.69848	25.96872	14.65185	15.63733	9.94678	12.6516	15.69848	1.06E+02	7.07E+00	6.59E-04	7.58E-01	7.21E+00	1.38E+00	2.18E+01	2.60E+01	1.19E+02
628	490636.72	3859935.12	10.70485	17.36988	25.82011	14.26555	15.58111	10.52041	14.599	17.36988	1.10E+02	7.82E+00	6.55E-04	7.38E-01	7.18E+00	1.45E+00	2.52E+01	2.88E+01	1.23E+02
629	490686.72	3859935.12	11.07767	19.46309	24.51717	14.83246	15.37901	11.22018	16.93	19.46309	1.14E+02	8.76E+00	6.22E-04	7.68E-01	7.09E+00	1.55E+00	2.92E+01	3.22E+01	1.29E+02
630	490736.72	3859935.12	11.43435	21.58254	21.62938	17.79719	15.74441	11.98651	19.2262	21.58254	1.17E+02	9.71E+00	5.49E-04	9.21E-01	7.26E+00	1.66E+00	3.32E+01	3.58E+01	1.34E+02
631	490086.72	3859985.12	8.46128	5.24854	17.77913	10.62434	30.81375	7.19263	6.28856	5.24854	8.68E+01	2.36E+00	4.51E-04	5.50E-01	1.42E+01	9.94E-01	1.09E+01	8.70E+00	1.07E+02
632	490136.72	3859985.12	8.44321	5.67369	19.12513	10.65968	29.19489	6.86546	6.79277	5.67369	8.66E+01	2.55E+00	4.85E-04	5.52E-01	1.35E+01	9.49E-01	1.17E+01	9.40E+00	1.06E+02
633	490186.72	3859985.12	8.4516	6.12446	21.93981	10.62753	27.31814	6.5119	7.19404	6.12446	8.67E+01	2.76E+00	5.57E-04	5.50E-01	1.26E+01	9.00E-01	1.24E+01	1.01E+01	1.06E+02
634	490236.72	3859985.12	8.4863	6.60763	20.12868	10.5808	25.22039	6.43436	7.48907	6.60763	8.70E+01	2.97E+00	5.11E-04	5.48E-01	1.16E+01	8.90E-01	1.29E+01	1.09E+01	1.05E+02
635	490286.72	3859985.12	8.53687	7.11631	20.2059	10.47394	22.88953	6.6468	7.66219	7.11631	8.75E+01	3.20E+00	5.13E-04	5.42E-01	1.05E+01	9.19E-01	1.32E+01	1.18E+01	1.04E+02
636	490336.72	3859985.12	8.61717	7.6686	21.76882	10.88221	20.48591	6.86929	7.74752	7.6686	8.84E+01	3.45E+00	5.52E-04	5.63E-01	9.44E+00	9.50E-01	1.34E+01	1.27E+01	1.03E+02
637	490386.72	3859985.12	8.72509	8.25302	20.96778	11.36747	18.04993	7.09219	7.70884	8.25302	8.95E+01	3.71E+00	5.32E-04	5.88E-01	8.32E+00	9.81E-01	1.33E+01	1.37E+01	1.03E+02
638	490436.72	3859985.12	8.87853	8.88355	20.36404	12.40518	15.73114	7.34127	7.55779	8.88355	9.10E+01	4.00E+00	5.17E-04	6.42E-01	7.25E+00	1.01E+00	1.30E+01	1.47E+01	1.02E+02
639	490486.72	3859985.12	9.0758	9.5056	21.55392	13.38876	13.99308	7.61759	8.14185	9.5056	9.31E+01	4.28E+00	5.47E-04	6.93E-01	6.45E+00	1.05E+00	1.41E+01	1.58E+01	1.04E+02
640	490536.72	3859985.12	9.31853	10.62232	24.09323	13.99326	14.62944	7.94389	9.27025	10.62232	9.56E+01	4.78E+00	6.11E-04	7.24E-01	6.74E+00	1.10E+00	1.60E+01	1.76E+01	1.07E+02
641	490586.72	3859985.12	9.596	12.09635	25.15525	14.15806	15.06445	8.3223	10.2353	12.09635	9.84E+01	5.44E+00	6.38E-04	7.33E-01	6.94E+00	1.15E+00	1.77E+01	2.00E+01	1.10E+02
642	490636.72	3859985.12	9.89662	13.64103	24.65035	13.98032	15.29252	8.75005	11.0179	13.64103	1.01E+02	6.14E+00	6.25E-04	7.24E-01	7.05E+00	1.21E+00	1.90E+01	2.26E+01	1.13E+02
643	490686.72	3859985.12	10.22462	15.32823	24.77719	13.80207	15.34439	9.18177	12.4669	15.32823	1.05E+02	6.90E+00	6.29E-04	7.14E-01	7.07E+00	1.27E+00	2.15E+01	2.54E+01	1.17E+02
644	490736.72	3859985.12	10.50997	16.75816	24.04529	13.36766	15.07598	9.67173	14.1418	16.75816	1.08E+02	7.54E+00	6.10E-04	6.92E-01	6.95E+00	1.34E+00	2.44E+01	2.78E+01	1.21E+02
645	490786.72	3859985.12	10.78925	18.22408	22.01209	15.3321	15.27748	10.2262	15.8225	18.22408	1.11E+02	8.20E+00	5.58E-04	7.94E-01	7.04E+00	1.41E+00	2.73E+01	3.02E+01	1.25E+02

646	490086.72	3860035.12	8.36438	4.55763	20.46936	10.12459	31.15012	7.38546	5.75709	4.55763	8.58E+01	2.05E+00	5.19E-04	5.24E-01	1.44E+01	1.02E+00	9.94E+00	7.55E+00	1.06E+02
647	490136.72	3860035.12	8.32411	4.9464	15.45887	10.26908	29.91481	7.16473	6.01809	4.9464	8.54E+01	2.23E+00	3.92E-04	5.32E-01	1.38E+01	9.91E-01	1.04E+01	8.20E+00	1.05E+02
648	490186.72	3860035.12	8.30337	5.35023	19.36542	10.28697	28.32275	6.89355	6.50711	5.35023	8.51E+01	2.41E+00	4.91E-04	5.33E-01	1.31E+01	9.53E-01	1.12E+01	8.87E+00	1.04E+02
649	490236.72	3860035.12	8.30194	5.77131	20.3121	10.22577	26.43743	6.58625	6.89331	5.77131	8.51E+01	2.60E+00	5.15E-04	5.29E-01	1.22E+01	9.11E-01	1.19E+01	9.56E+00	1.04E+02
650	490286.72	3860035.12	8.31661	6.20931	18.80002	10.10783	24.30023	6.25701	7.16179	6.20931	8.53E+01	2.79E+00	4.77E-04	5.23E-01	1.12E+01	8.65E-01	1.24E+01	1.03E+01	1.03E+02
651	490336.72	3860035.12	8.36195	6.68472	18.68303	10.01536	22.08793	6.23055	7.3509	6.68472	8.57E+01	3.01E+00	4.74E-04	5.18E-01	1.02E+01	8.61E-01	1.27E+01	1.11E+01	1.02E+02
652	490386.72	3860035.12	8.41751	7.17092	20.17162	10.45504	19.71296	6.31631	7.40901	7.17092	8.63E+01	3.23E+00	5.12E-04	5.41E-01	9.08E+00	8.73E-01	1.28E+01	1.19E+01	1.01E+02
653	490436.72	3860035.12	8.50762	7.69906	19.6797	10.92226	17.38907	6.45786	7.37755	7.69906	8.72E+01	3.46E+00	4.99E-04	5.65E-01	8.01E+00	8.93E-01	1.27E+01	1.28E+01	1.00E+02
654	490486.72	3860035.12	8.63378	8.25877	18.74315	11.80184	15.16216	6.6713	7.23698	8.25877	8.85E+01	3.72E+00	4.75E-04	6.11E-01	6.99E+00	9.22E-01	1.25E+01	1.37E+01	9.96E+01
655	490536.72	3860035.12	8.80227	8.83353	19.83914	12.77003	13.67194	6.90987	7.23707	8.83353	9.03E+01	3.98E+00	5.03E-04	6.61E-01	6.30E+00	9.55E-01	1.25E+01	1.46E+01	1.00E+02
656	490586.72	3860035.12	9.00181	9.35827	22.44794	13.35386	14.29097	7.16698	8.28064	9.35827	9.23E+01	4.21E+00	5.69E-04	6.91E-01	6.59E+00	9.91E-01	1.43E+01	1.55E+01	1.04E+02
657	490636.72	3860035.12	9.21823	10.5403	23.71333	13.46028	14.67207	7.43499	9.12891	10.5403	9.45E+01	4.74E+00	6.02E-04	6.97E-01	6.76E+00	1.03E+00	1.58E+01	1.75E+01	1.06E+02
658	490686.72	3860035.12	9.47398	11.85206	23.86876	13.27993	14.89712	7.76741	9.88395	11.85206	9.71E+01	5.33E+00	6.05E-04	6.87E-01	6.87E+00	1.07E+00	1.71E+01	1.96E+01	1.09E+02
659	490736.72	3860035.12	9.76574	13.32154	23.16682	13.12967	14.9726	8.16977	10.5972	13.32154	1.00E+02	6.00E+00	5.88E-04	6.80E-01	6.90E+00	1.13E+00	1.83E+01	2.21E+01	1.11E+02
660	490786.72	3860035.12	10.01494	14.54252	22.42162	12.69312	14.73241	8.54838	11.8564	14.54252	1.03E+02	6.54E+00	5.69E-04	6.57E-01	6.79E+00	1.18E+00	2.05E+01	2.41E+01	1.14E+02
661	490836.72	3860035.12	10.254	15.70209	21.4256	13.22415	14.80516	8.96578	13.2419	15.70209	1.05E+02	7.07E+00	5.44E-04	6.85E-01	6.82E+00	1.24E+00	2.29E+01	2.60E+01	1.18E+02
662	490086.72	3860085.12	8.31626	4.12926	21.54733	9.65536	31.39773	7.99845	5.2968	4.12926	8.53E+01	1.86E+00	5.47E-04	5.00E-01	1.45E+01	1.11E+00	9.14E+00	6.84E+00	1.06E+02
663	490136.72	3860085.12	8.23557	4.29618	17.09264	9.82992	30.30741	7.33781	5.56218	4.29618	8.44E+01	1.93E+00	4.34E-04	5.09E-01	1.40E+01	1.01E+00	9.60E+00	7.12E+00	1.04E+02
664	490186.72	3860085.12	8.20235	4.67058	15.16182	9.96893	29.13506	7.08163	5.78176	4.67058	8.41E+01	2.10E+00	3.85E-04	5.16E-01	1.34E+01	9.79E-01	9.98E+00	7.74E+00	1.03E+02
665	490236.72	3860085.12	8.17448	5.05271	19.05461	9.95056	27.50886	6.87006	6.24892	5.05271	8.38E+01	2.27E+00	4.83E-04	5.15E-01	1.27E+01	9.50E-01	1.08E+01	8.37E+00	1.03E+02
666	490286.72	3860085.12	8.16347	5.44787	18.67149	9.85807	25.60808	6.61351	6.61933	5.44787	8.37E+01	2.45E+00	4.74E-04	5.10E-01	1.18E+01	9.14E-01	1.14E+01	9.03E+00	1.02E+02
667	490336.72	3860085.12	8.16663	5.85448	17.68345	9.70727	23.48344	6.32377	6.87874	5.85448	8.37E+01	2.63E+00	4.49E-04	5.03E-01	1.08E+01	8.74E-01	1.19E+01	9.70E+00	1.01E+02
668	490386.72	3860085.12	8.19105	6.28209	17.29806	9.53272	21.25876	6.01543	7.04196	6.28209	8.40E+01	2.83E+00	4.39E-04	4.93E-01	9.80E+00	8.32E-01	1.22E+01	1.04E+01	9.97E+01
669	490436.72	3860085.12	8.23801	6.73313	18.77772	10.06404	18.9939	5.97332	7.11134	6.73313	8.45E+01	3.03E+00	4.76E-04	5.21E-01	8.75E+00	8.26E-01	1.23E+01	1.12E+01	9.87E+01
670	490486.72	3860085.12	8.30846	7.20621	18.391	10.50224	16.7426	6.01605	7.07437	7.20621	8.52E+01	3.24E+00	4.67E-04	5.44E-01	7.72E+00	8.32E-01	1.22E+01	1.19E+01	9.78E+01
671	490536.72	3860085.12	8.41683	7.71974	17.54142	11.24848	14.62187	6.10894	6.95802	7.71974	8.63E+01	3.47E+00	4.45E-04	5.82E-01	6.74E+00	8.45E-01	1.20E+01	1.28E+01	9.72E+01
672	490586.72	3860085.12	8.55513	8.2307	18.18508	12.17024	13.3422	6.296	6.74389	8.2307	8.77E+01	3.70E+00	4.61E-04	6.30E-01	6.15E+00	8.70E-01	1.16E+01	1.36E+01	9.71E+01
673	490636.72	3860085.12	8.71591	8.67578	20.66632	12.72081	13.93225	6.5006	7.38471	8.67578	8.94E+01	3.90E+00	5.24E-04	6.59E-01	6.42E+00	8.99E-01	1.27E+01	1.44E+01	9.96E+01
674	490686.72	3860085.12	8.9123	9.35377	22.42631	12.9206	14.35342	6.73436	8.25992	9.35377	9.14E+01	4.21E+00	5.69E-04	6.69E-01	6.61E+00	9.31E-01	1.43E+01	1.55E+01	1.03E+02
675	490736.72	3860085.12	9.13452	10.51399	23.14289	12.79085	14.58288	6.99788	9.01412	10.51399	9.37E+01	4.73E+00	5.87E-04	6.62E-01	6.72E+00	9.67E-01	1.56E+01	1.74E+01	1.05E+02
676	490786.72	3860085.12	9.36736	11.68584	22.68016	12.51102	14.60619	7.2868	9.61213	11.68584	9.61E+01	5.26E+00	5.75E-04	6.48E-01	6.73E+00	1.01E+00	1.66E+01	1.94E+01	1.07E+02
677	490836.72	3860085.12	9.58367	12.73791	20.93098	12.06849	14.3803	7.56441	10.0111	12.73791	9.83E+01	5.73E+00	5.31E-04	6.25E-01	6.63E+00	1.05E+00	1.73E+01	2.11E+01	1.08E+02
678	490086.72	3860135.12	8.21403	3.92021	18.88922	8.97733	30.69086	7.54967	4.75302	3.92021	8.42E+01	1.76E+00	4.79E-04	4.65E-01	1.41E+01	1.04E+00	8.21E+00	6.50E+00	1.03E+02
679	490136.72	3860135.12	8.15722	4.02495	18.65613	9.32978	30.32759	7.42906	5.10965	4.02495	8.36E+01	1.81E+00	4.73E-04	4.83E-01	1.40E+01	1.03E+00	8.82E+00	6.67E+00	1.03E+02
680	490186.72	3860135.12	8.11094	4.17762	13.73977	9.55587	29.51786	7.25272	5.38368	4.17762	8.32E+01	1.88E+00	3.49E-04	4.95E-01	1.36E+01	1.00E+00	9.29E+00	6.92E+00	1.03E+02
681	490236.72	3860135.12	8.06698	4.40501	15.40232	9.61391	28.21517	7.03083	5.55232	4.40501	8.27E+01	1.98E+00	3.91E-04	4.98E-01	1.30E+01	9.72E-01	9.59E+00	7.30E+00	1.01E+02
682	490286.72	3860135.12	8.03944	4.76843	18.0952	9.58164	26.61895	6.79804	5.99121	4.76843	8.24E+01	2.15E+00	4.59E-04	4.96E-01	1.23E+01	9.40E-01	1.03E+01	7.90E+00	1.01E+02
683	490336.72	3860135.12	8.02491	5.14217	16.93242	9.47658	24.75125	6.59251	6.35214	5.14217	8.23E+01	2.31E+00	4.30E-04	4.91E-01	1.14E+01	9.11E-01	1.10E+01	8.52E+00	9.99E+01
684	490386.72	3860135.12	8.02221	5.5252	16.54719	9.31171	22.67603	6.34724	6.60915	5.5252	8.23E+01	2.49E+00	4.20E-04	4.82E-01	1.05E+01	8.78E-01	1.14E+01	9.15E+00	9.88E+01
685	490436.72	3860135.12	8.03463	5.91916	16.14973	9.09718	20.48665	6.07341	6.76423	5.91916	8.24E+01	2.66E+00	4.10E-04	4.71E-01	9.44E+00	8.40E-01	1.17E+01	9.81E+00	9.77E+01
686	490486.72	3860135.12	8.0707	6.33646	17.48486	9.69604	18.29756	5.78653	6.83515	6.33646	8.28E+01	2.85E+00	4.44E-04	5.02E-01	8.43E+00	8.00E-01	1.18E+01	1.05E+01	9.66E+01
687	490536.72	3860135.12	8.13585	6.78658	17.32009	10.13305	16.17358	5.7311	6.82828	6.78658	8.34E+01	3.05E+00	4.39E-04	5.25E-01	7.45E+00	7.92E-01	1.18E+01	1.12E+01	9.58E+01
688	490586.72	3860135.12	8.22196	7.24701	16.79291	10.73904	14.10789	5.82187	6.71117	7.24701	8.43E+01	3.26E+00	4.26E-04	5.56E-01	6.50E+00	8.05E-01	1.16E+01	1.20E+01	9.50E+01
689	490636.72	3860135.12	8.3331	7.70119	16.69188	11.61025	13.01982	5.92222	6.5002	7.70119	8.54E+01	3.47E+00	4.23E-04	6.01E-01	6.00E+00	8.19E-01	1.12E+01	1.28E+01	9.48E+01
690	490686.72	3860135.12	8.46871	8.1163	19.05535	12.16042	13.60099	6.03293	6.62432	8.1163	8.68E+01	3.65E+00	4.83E-04	6.30E-01	6.27E+00	8.34E-01	1.14E+01	1.34E+01	9.62E+01
691	490736.72	3860135.12	8.63265	8.4773	20.90112	12.37017	14.01151	6.18537	7.4487	8.4773	8.85E+01	3.82E+00	5.30E-04	6.40E-01	6.46E+00	8.55E-01	1.29E+01	1.40E+01	9.91E+01
692	490786.72	3860135.12	8.8257	9.33653	21.97782	12.28566	14.24546	6.40835	8.18969	9.33653	9.05E+01	4.20E+00	5.58E-04	6.36E-01	6.56E+00	8.86E-01	1.41E+01	1.55E+01	1.01E+02
693	490836.72	3860135.12	9.01332	10.3057	21.79014	11.92025	14.23643	6.57444	8.72441	10.3057	9.24E+01	4.64E+00	5.53E-04	6.17E-01	6.56E+00	9.09E-01	1.51E+01	1.71E+01	1.03E+02
694	490086.72	3860185.12	8.11316	4.07823	16.06961	8.38287	29.95138	7.3329	4.51528	4.07823	8.32E+01	1.84E+00	4.08E-04	4.34E-01	1.38E+01	1.01E+00	7.80E+00	6.76E+00	1.01E+02
695	490136.72	3860185.12	8.07094	4.08388	18.54617	8.80582	30.04142	7.32737	4.61634	4.08388	8.28E+01	1.84E+00	4.70E-04	4.56E-01	1.38E+01	1.01E+00	7.97E+00	6.77E+00	1.01E+02
696	490186.72	3860185.12	8.02528	4.07827	16.01311	9.11004	29.60891	7.25877	4.95536	4.07827	8.23E+01	1.84E+00	4.06E-04	4.72E-01	1.36E+01	1.00E+00	8.56E+00	6.76E+00	1.01E+02
697	490236.72	3860185.12	7.97725	4.08281	11.9929	9.26183	28.67583	7.13193	5.21061	4.08281	8.18E+01	1.84E+00	3.04E-04	4.79E-01	1.32E+01	9.86E-01	9.00E+00	6.76E+00	1.01E+02
698	490286.72	3860185.12	7.93755	4.27781	15.46925	9.29328	27.36754	6.95504	5.37457	4.27781	8.14E+01	1.93E+00	3.92E-04	4.81E-01	1.26E+01	9.62E-01	9.28E+00	7.09E+00	9.96E+01
699	490336.72	3860185.12	7.90681	4.50225	16.94742	9.22672	25.75195	6.73835	5.74974	4.50225	8.11E+01	2.03E+00	4.30E-04	4.78E-01	1.19E+01	9.32E-01	9.93E+00	7.46E+00	9.88E+01
700	490386.72	3860185.12	7.88791	4.85506	15.26855	9.09709	23.89694	6.52587	6.09667	4.85506	8.09E+01	2.18E+00	3.87E-04	4.71E-01	1.10E+01	9.02E-01	1.05E+01	8.04E+00	9.79E+01
701	490436.72	3860185.12	7.88234	5.21782	15.44107	8.92367	21.88246	6.32779	6.35293	5.21782	8.08E+01	2.35E+00	3.92E-04	4.62E-01	1.01E+01	8.75E-01	1.10E+01	8.65E+00	9.69E+01
702	490486.72	3860185.12	7.89105	5.59172	15.15767	8.76102	19.77247	6.0953	6.51554	5.59172	8.09E+01	2.52E+00	3.85E-04	4.54E-01	9.11E+00	8.43E-01	1.12E+01	9.27E+00	9.58E+01
703	490536.72	3860185.12	7.92095	5.98541	16.40568	9.36478	17.66903	5.84276	6.59679	5.98541	8.12E+01	2.69E+00	4.16E-04	4.85E-01	8.14E+00	8.08E-01	1.14E+01	9.92E+00	9.48E+01
704	490586.72	3860185.12	7.97539	6.40467	16.28935	9.78436	15.62014	5.58164	6.59841	6.40467	8.18E+01	2.88E+00	4.13E-04	5.07E-01	7.20E+00	7.72E-01	1.14E+01	1.06E+01	9.39E+01

705	490636.72	3860185.12	8.04138	6.81938	15.98177	10.2562	13.60208	5.59576	6.47895	6.81938	8.25E+01	3.07E+00	4.05E-04	5.31E-01	6.27E+00	7.74E-01	1.12E+01	1.13E+01	9.30E+01
706	490686.72	3860185.12	8.13687	7.24434	15.40535	11.10687	12.72043	5.70001	6.29356	7.24434	8.34E+01	3.26E+00	3.91E-04	5.75E-01	5.86E+00	7.88E-01	1.09E+01	1.20E+01	9.28E+01
707	490736.72	3860185.12	8.2463	7.61947	17.55806	11.63573	13.27824	5.77068	6.02569	7.61947	8.46E+01	3.43E+00	4.45E-04	6.02E-01	6.12E+00	7.98E-01	1.04E+01	1.26E+01	9.33E+01
708	490786.72	3860185.12	8.38685	7.96565	19.43524	11.87061	13.68684	5.89445	6.73877	7.96565	8.60E+01	3.58E+00	4.93E-04	6.15E-01	6.31E+00	8.15E-01	1.16E+01	1.32E+01	9.58E+01
709	490836.72	3860185.12	8.54371	8.3167	20.61166	11.78151	13.89624	6.0189	7.42578	8.3167	8.76E+01	3.74E+00	5.23E-04	6.10E-01	6.40E+00	8.32E-01	1.28E+01	1.38E+01	9.82E+01
710	490086.72	3860235.12	7.97117	4.02701	13.39694	7.83417	29.02843	6.94939	4.49456	4.02701	8.17E+01	1.81E+00	3.40E-04	4.06E-01	1.34E+01	9.61E-01	7.76E+00	6.67E+00	9.94E+01
711	490136.72	3860235.12	7.94894	4.12385	17.08064	8.26597	29.43204	7.04732	4.37016	4.12385	8.15E+01	1.86E+00	4.33E-04	4.28E-01	1.36E+01	9.74E-01	7.55E+00	6.83E+00	9.90E+01
712	490186.72	3860235.12	7.91882	4.19022	16.95618	8.62778	29.38115	7.0847	4.48666	4.19022	8.12E+01	1.89E+00	4.30E-04	4.47E-01	1.35E+01	9.79E-01	7.75E+00	6.94E+00	9.89E+01
713	490236.72	3860235.12	7.88068	4.23963	13.12508	8.86801	28.83478	7.06038	4.80533	4.23963	8.08E+01	1.91E+00	3.33E-04	4.59E-01	1.33E+01	9.76E-01	8.30E+00	7.02E+00	9.87E+01
714	490286.72	3860235.12	7.84148	4.27091	11.97191	8.98156	27.86373	6.97915	5.0491	4.27091	8.04E+01	1.92E+00	3.04E-04	4.65E-01	1.28E+01	9.65E-01	8.72E+00	7.08E+00	9.82E+01
715	490336.72	3860235.12	7.80731	4.27873	15.18973	8.98734	26.5512	6.84794	5.20817	4.27873	8.01E+01	1.93E+00	3.85E-04	4.65E-01	1.22E+01	9.47E-01	8.99E+00	7.09E+00	9.75E+01
716	490386.72	3860235.12	7.77918	4.36838	15.80527	8.90526	24.94557	6.67286	5.53055	4.36838	7.98E+01	1.97E+00	4.01E-04	4.61E-01	1.15E+01	9.23E-01	9.55E+00	7.24E+00	9.69E+01
717	490436.72	3860235.12	7.76154	4.59342	13.86959	8.77033	23.13311	6.46499	5.87131	4.59342	7.96E+01	2.07E+00	3.52E-04	4.54E-01	1.07E+01	8.94E-01	1.01E+01	7.61E+00	9.62E+01
718	490486.72	3860235.12	7.75177	4.93723	14.47907	8.57719	21.15061	6.27092	6.12226	4.93723	7.95E+01	2.22E+00	3.67E-04	4.44E-01	9.75E+00	8.67E-01	1.06E+01	8.18E+00	9.52E+01
719	490536.72	3860235.12	7.75904	5.29514	14.30874	8.48308	19.11861	6.08286	6.29367	5.29514	7.96E+01	2.38E+00	3.63E-04	4.39E-01	8.81E+00	8.41E-01	1.09E+01	8.77E+00	9.41E+01
720	490586.72	3860235.12	7.78268	5.66724	15.45402	9.05935	17.0813	5.86697	6.38107	5.66724	7.98E+01	2.55E+00	3.92E-04	4.69E-01	7.87E+00	8.11E-01	1.10E+01	9.39E+00	9.31E+01
721	490636.72	3860235.12	7.8219	6.05089	15.27824	9.4488	15.0692	5.63128	6.37551	6.05089	8.02E+01	2.72E+00	3.88E-04	4.89E-01	6.94E+00	7.79E-01	1.10E+01	1.00E+01	9.21E+01
722	490686.72	3860235.12	7.88042	6.44421	15.2482	9.8243	13.14185	5.38733	6.28104	6.44421	8.08E+01	2.90E+00	3.87E-04	5.09E-01	6.06E+00	7.45E-01	1.08E+01	1.07E+01	9.12E+01
723	490736.72	3860235.12	7.95566	6.82952	14.25124	10.63003	12.4237	5.38619	6.09907	6.82952	8.16E+01	3.07E+00	3.62E-04	5.50E-01	5.73E+00	7.45E-01	1.05E+01	1.13E+01	9.09E+01
724	490786.72	3860235.12	8.05024	7.18971	16.24358	11.16745	12.98168	5.45925	5.85756	7.18971	8.25E+01	3.24E+00	4.12E-04	5.78E-01	5.98E+00	7.55E-01	1.01E+01	1.19E+01	9.13E+01
725	490086.72	3860285.12	7.76692	3.72374	11.53448	7.3065	28.06243	6.44759	4.46705	3.72374	7.96E+01	1.68E+00	2.93E-04	3.78E-01	1.29E+01	8.91E-01	7.71E+00	6.17E+00	9.71E+01
726	490136.72	3860285.12	7.77878	3.9121	14.9013	7.74333	28.58071	6.6267	4.35076	3.9121	7.98E+01	1.76E+00	3.78E-04	4.01E-01	1.32E+01	9.16E-01	7.51E+00	6.48E+00	9.70E+01
727	490186.72	3860285.12	7.77262	4.079	16.64389	8.12757	28.85447	6.75369	4.22325	4.079	7.97E+01	1.84E+00	4.22E-04	4.21E-01	1.33E+01	9.34E-01	7.29E+00	6.76E+00	9.67E+01
728	490236.72	3860285.12	7.75835	4.21026	14.75646	8.44401	28.71568	6.82713	4.36314	4.21026	7.96E+01	1.89E+00	3.74E-04	4.37E-01	1.32E+01	9.44E-01	7.53E+00	6.98E+00	9.66E+01
729	490286.72	3860285.12	7.73062	4.32376	10.84292	8.63105	28.0794	6.84151	4.66414	4.32376	7.93E+01	1.95E+00	2.75E-04	4.47E-01	1.29E+01	9.46E-01	8.05E+00	7.16E+00	9.64E+01
730	490336.72	3860285.12	7.70113	4.40658	12.34063	8.70853	27.07207	6.80151	4.89695	4.40658	7.90E+01	1.98E+00	3.13E-04	4.51E-01	1.25E+01	9.40E-01	8.45E+00	7.30E+00	9.60E+01
731	490386.72	3860285.12	7.67637	4.45406	14.70407	8.70133	25.77411	6.71378	5.05364	4.45406	7.87E+01	2.00E+00	3.73E-04	4.50E-01	1.19E+01	9.28E-01	8.73E+00	7.38E+00	9.53E+01
732	490436.72	3860285.12	7.65206	4.48617	14.67122	8.60231	24.17508	6.57978	5.32722	4.48617	7.85E+01	2.02E+00	3.72E-04	4.45E-01	1.11E+01	9.10E-01	9.20E+00	7.43E+00	9.47E+01
733	490486.72	3860285.12	7.63542	4.50003	12.77281	8.45334	22.38813	6.40883	5.6584	4.50003	7.83E+01	2.03E+00	3.24E-04	4.38E-01	1.03E+01	8.86E-01	9.77E+00	7.46E+00	9.43E+01
734	490536.72	3860285.12	7.62482	4.69569	13.59058	8.24936	20.44862	6.20615	5.90616	4.69569	7.82E+01	2.11E+00	3.45E-04	4.27E-01	9.42E+00	8.58E-01	1.02E+01	7.78E+00	9.34E+01
735	490586.72	3860285.12	7.62713	5.01411	13.47062	8.21263	18.46054	6.03136	6.07481	5.01411	7.82E+01	2.26E+00	3.42E-04	4.25E-01	8.51E+00	8.34E-01	1.05E+01	8.31E+00	9.24E+01
736	490636.72	3860285.12	7.64471	5.36449	14.50077	8.75915	16.48063	5.85324	6.16396	5.36449	7.84E+01	2.41E+00	3.68E-04	4.53E-01	7.59E+00	8.09E-01	1.06E+01	8.89E+00	9.14E+01
737	490686.72	3860285.12	7.67878	5.72815	14.3631	9.13627	14.54728	5.65177	6.17143	5.72815	7.87E+01	2.58E+00	3.64E-04	4.73E-01	6.70E+00	7.81E-01	1.07E+01	9.49E+00	9.04E+01
738	490736.72	3860285.12	7.7258	6.09432	14.47695	9.4068	12.68161	5.43226	6.08593	6.09432	7.92E+01	2.74E+00	3.67E-04	4.87E-01	5.84E+00	7.51E-01	1.05E+01	1.01E+01	8.95E+01
739	490786.72	3860285.12	7.79186	6.46117	13.40289	10.19624	12.14429	5.20882	5.92852	6.46117	7.99E+01	2.91E+00	3.40E-04	5.28E-01	5.60E+00	7.20E-01	1.02E+01	1.07E+01	8.92E+01
740	490086.72	3860335.12	7.51162	3.54651	9.69135	6.81478	29.7231	5.97288	4.43069	3.54651	7.70E+01	1.60E+00	2.46E-04	3.53E-01	1.37E+01	8.26E-01	7.65E+00	5.88E+00	9.53E+01
741	490136.72	3860335.12	7.55675	3.42332	12.42206	7.24226	27.48689	6.11552	4.33187	3.42332	7.75E+01	1.54E+00	3.15E-04	3.75E-01	1.27E+01	8.45E-01	7.48E+00	5.67E+00	9.47E+01
742	490186.72	3860335.12	7.58101	3.67729	15.43956	7.63711	28.09111	6.30852	4.20871	3.67729	7.77E+01	1.65E+00	3.92E-04	3.95E-01	1.29E+01	8.72E-01	7.27E+00	6.09E+00	9.48E+01
743	490236.72	3860335.12	7.595	3.90308	15.38738	7.99665	28.31342	6.46007	4.0921	3.90308	7.79E+01	1.76E+00	3.90E-04	4.14E-01	1.30E+01	8.93E-01	7.07E+00	6.47E+00	9.46E+01
744	490286.72	3860335.12	7.58997	4.11523	12.3891	8.2508	28.03239	6.55968	4.24444	4.11523	7.78E+01	1.85E+00	3.14E-04	4.27E-01	1.29E+01	9.07E-01	7.33E+00	6.82E+00	9.44E+01
745	490336.72	3860335.12	7.57597	4.29793	9.65967	8.40104	27.34694	6.60805	4.53158	4.29793	7.77E+01	1.93E+00	2.45E-04	4.35E-01	1.26E+01	9.14E-01	7.82E+00	7.12E+00	9.43E+01
746	490386.72	3860335.12	7.55895	4.44433	12.4589	8.45546	26.32787	6.6064	4.75622	4.44433	7.75E+01	2.00E+00	3.16E-04	4.38E-01	1.21E+01	9.13E-01	8.21E+00	7.36E+00	9.38E+01
747	490436.72	3860335.12	7.5404	4.56114	14.04296	8.41893	25.00285	6.55585	4.90657	4.56114	7.73E+01	2.05E+00	3.56E-04	4.36E-01	1.15E+01	9.06E-01	8.47E+00	7.56E+00	9.32E+01
748	490486.72	3860335.12	7.52212	4.65148	13.55403	8.30697	23.42165	6.45963	5.13461	4.65148	7.71E+01	2.09E+00	3.44E-04	4.30E-01	1.08E+01	8.93E-01	8.86E+00	7.71E+00	9.25E+01
749	490536.72	3860335.12	7.51068	4.70445	12.20411	8.15693	21.67976	6.32745	5.46061	4.70445	7.70E+01	2.12E+00	3.10E-04	4.22E-01	9.99E+00	8.75E-01	9.43E+00	7.79E+00	9.21E+01
750	490586.72	3860335.12	7.50094	4.73716	12.78601	7.94457	19.78383	6.15899	5.70551	4.73716	7.69E+01	2.13E+00	3.24E-04	4.11E-01	9.12E+00	8.51E-01	9.85E+00	7.85E+00	9.14E+01
751	490636.72	3860335.12	7.50336	4.8013	12.75354	7.96514	17.85653	5.96938	5.87834	4.8013	7.69E+01	2.16E+00	3.24E-04	4.12E-01	8.23E+00	8.25E-01	1.01E+01	7.96E+00	9.08E+01
752	490686.72	3860335.12	7.51703	5.08974	13.6918	8.48601	15.93226	5.8116	5.97154	5.08974	7.71E+01	2.29E+00	3.47E-04	4.39E-01	7.34E+00	8.03E-01	1.03E+01	8.43E+00	8.98E+01
753	490736.72	3860335.12	7.5434	5.43121	13.53034	8.84344	14.05099	5.64203	5.98212	5.43121	7.74E+01	2.44E+00	3.43E-04	4.58E-01	6.48E+00	7.80E-01	1.03E+01	9.00E+00	8.88E+01
754	490786.72	3860335.12	7.58915	5.78674	13.8311	9.04157	12.27549	5.45626	5.92455	5.78674	7.78E+01	2.60E+00	3.51E-04	4.68E-01	5.66E+00	7.54E-01	1.02E+01	9.59E+00	8.79E+01
755	490086.72	3860385.12	7.23271	4.27935	8.3059	6.37038	31.29252	6.00739	4.38646	4.27935	7.42E+01	1.93E+00	2.11E-04	3.30E-01	1.44E+01	8.31E-01	7.57E+00	7.09E+00	9.22E+01
756	490136.72	3860385.12	7.29862	4.06884	10.5329	6.77579	28.24389	5.88081	4.309	4.06884	7.48E+01	1.83E+00	2.67E-04	3.51E-01	1.30E+01	8.13E-01	7.44E+00	6.74E+00	9.15E+01
757	490186.72	3860385.12	7.34618	3.87176	13.63009	7.15788	27.07818	5.79513	4.19429	3.87176	7.53E+01	1.74E+00	3.46E-04	3.71E-01	1.25E+01	8.01E-01	7.24E+00	6.42E+00	9.15E+01
758	490236.72	3860385.12	7.38517	3.67783	15.02253	7.53041	27.60758	5.99887	4.07725	3.67783	7.57E+01	1.66E+00	3.81E-04	3.90E-01	1.27E+01	8.29E-01	7.04E+00	6.09E+00	9.23E+01
759	490286.72	3860385.12	7.40735	3.60794	13.51766	7.83476	27.68403	6.16456	3.95356	3.60794	7.60E+01	1.62E+00	3.43E-04	4.06E-01	1.28E+01	8.52E-01	6.83E+00	5.98E+00	9.24E+01
760	490336.72	3860385.12	7.41765	3.88321	11.05252	8.05626	27.35105	6.2877	4.13171	3.88321	7.61E+01	1.75E+00	2.80E-04	4.17E-01	1.26E+01	8.69E-01	7.13E+00	6.43E+00	9.24E+01
761	490386.72	3860385.12	7.41751	4.13713	9.79417	8.17718	26.63584	6.3645	4.40665	4.13713	7.61E+01	1.86E+00	2.48E-04	4.23E-01	1.23E+01	8.80E-01	7.61E+00	6.85E+00	9.23E+01
762	490436.72	3860385.12	7.4115	4.36093	12.33841	8.20522	25.59084	6.3948	4.62218	4.36093	7.60E+01	1.96E+00	3.13E-04	4.25E-01	1.18E+01	8.84E-01	7.98E+00	7.23E+00	9.18E+01
763	490486.72	3860385.12	7.40372	4.55176	13.3396	8.15891	24.2811	6.38091	4.77013	4.55176	7.59E+01	2.05E+00	3.38E-04	4.22E-01	1.12E+01	8.82E-01	8.24E+00	7.54E+00	9.12E+01

764	490536.72	3860385.12	7.39382	4.7067	12.5448	8.04142	22.72436	6.32191	4.95967	4.7067	7.58E+01	2.12E+00	3.18E-04	4.16E-01	1.05E+01	8.74E-01	8.56E+00	7.80E+00	9.05E+01
765	490586.72	3860385.12	7.38497	4.8262	11.64342	7.87318	20.99663	6.22358	5.27429	4.8262	7.57E+01	2.17E+00	2.95E-04	4.08E-01	9.68E+00	8.60E-01	9.11E+00	8.00E+00	9.00E+01
766	490636.72	3860385.12	7.37877	4.90932	12.05544	7.6604	19.15158	6.08947	5.51831	4.90932	7.57E+01	2.21E+00	3.06E-04	3.97E-01	8.83E+00	8.42E-01	9.53E+00	8.13E+00	8.93E+01
767	490686.72	3860385.12	7.38324	4.94833	12.11229	7.73398	17.28638	5.93109	5.69618	4.94833	7.57E+01	2.23E+00	3.07E-04	4.00E-01	7.97E+00	8.20E-01	9.83E+00	8.20E+00	8.88E+01
768	490736.72	3860385.12	7.392	4.94572	12.93992	8.22609	15.40073	5.74821	5.7876	4.94572	7.58E+01	2.23E+00	3.28E-04	4.26E-01	7.10E+00	7.95E-01	9.99E+00	8.19E+00	8.81E+01
769	490786.72	3860385.12	7.41395	5.15615	12.81261	8.56859	13.5782	5.60342	5.80531	5.15615	7.60E+01	2.32E+00	3.25E-04	4.44E-01	6.26E+00	7.75E-01	1.00E+01	8.54E+00	8.73E+01
770	490136.72	3860435.12	7.02458	4.91006	9.0492	6.33048	29.74742	5.8596	4.90749	4.91006	7.20E+01	2.21E+00	2.30E-04	3.28E-01	1.37E+01	8.10E-01	8.47E+00	8.14E+00	8.94E+01
771	490186.72	3860435.12	7.08973	4.68754	11.61953	6.7123	26.74311	5.77136	4.68341	4.68754	7.27E+01	2.11E+00	2.95E-04	3.47E-01	1.23E+01	7.98E-01	8.09E+00	7.77E+00	8.86E+01
772	490236.72	3860435.12	7.14533	4.4666	13.99298	7.07977	26.69525	5.61344	4.46111	4.4666	7.33E+01	2.01E+00	3.55E-04	3.66E-01	1.23E+01	7.76E-01	7.70E+00	7.40E+00	8.90E+01
773	490286.72	3860435.12	7.18986	4.24922	13.89005	7.41052	27.09182	5.69916	4.24255	4.24922	7.37E+01	1.91E+00	3.52E-04	3.84E-01	1.25E+01	7.88E-01	7.32E+00	7.04E+00	8.96E+01
774	490336.72	3860435.12	7.2207	4.03954	11.79866	7.67224	27.06003	5.87342	4.03185	4.03954	7.40E+01	1.82E+00	2.99E-04	3.97E-01	1.25E+01	8.12E-01	6.96E+00	6.69E+00	8.98E+01
775	490386.72	3860435.12	7.24355	3.84569	9.965	7.8623	26.68192	6.0144	4.02441	3.84569	7.43E+01	1.73E+00	2.53E-04	4.07E-01	1.23E+01	8.32E-01	6.95E+00	6.37E+00	9.01E+01
776	490436.72	3860435.12	7.25599	3.83089	10.0864	7.95798	25.93653	6.11524	4.28811	3.83089	7.44E+01	1.72E+00	2.56E-04	4.12E-01	1.20E+01	8.45E-01	7.40E+00	6.35E+00	9.04E+01
777	490486.72	3860435.12	7.26118	4.12767	12.06446	7.96513	24.8794	6.1736	4.49586	4.12767	7.45E+01	1.86E+00	3.06E-04	4.12E-01	1.15E+01	8.54E-01	7.76E+00	6.84E+00	9.00E+01
778	490536.72	3860435.12	7.26267	4.39471	12.57993	7.90312	23.56716	6.19097	4.63996	4.39471	7.45E+01	1.98E+00	3.19E-04	4.09E-01	1.09E+01	8.56E-01	8.01E+00	7.28E+00	8.93E+01
779	490586.72	3860435.12	7.25899	4.63493	11.55367	7.76953	22.0187	6.16401	4.7891	4.63493	7.44E+01	2.09E+00	2.93E-04	4.02E-01	1.01E+01	8.52E-01	8.27E+00	7.68E+00	8.85E+01
780	490636.72	3860435.12	7.25439	4.83179	11.06591	7.58679	20.31312	6.09571	5.09283	4.83179	7.44E+01	2.17E+00	2.81E-04	3.93E-01	9.36E+00	8.43E-01	8.79E+00	8.01E+00	8.79E+01
781	490686.72	3860435.12	7.25473	4.97791	11.36561	7.38373	18.53246	5.99571	5.33856	4.97791	7.44E+01	2.24E+00	2.88E-04	3.82E-01	8.54E+00	8.29E-01	9.22E+00	8.25E+00	8.74E+01
782	490736.72	3860435.12	7.26208	5.0795	11.50247	7.51154	16.72577	5.86895	5.51959	5.0795	7.45E+01	2.29E+00	2.92E-04	3.89E-01	7.71E+00	8.11E-01	9.53E+00	8.42E+00	8.68E+01
783	490786.72	3860435.12	7.271	5.13912	12.26771	7.98336	14.89965	5.71341	5.61696	5.13912	7.46E+01	2.31E+00	3.11E-04	4.13E-01	6.87E+00	7.90E-01	9.70E+00	8.52E+00	8.61E+01
784	490136.72	3860485.12	6.77194	5.78309	7.7267	5.944	31.24629	5.69207	5.78733	5.78309	6.94E+01	2.60E+00	1.96E-04	3.08E-01	1.44E+01	7.87E-01	9.99E+00	9.58E+00	8.79E+01
785	490186.72	3860485.12	6.83271	5.58236	9.59632	6.29531	28.30415	5.70585	5.58436	5.58236	7.01E+01	2.51E+00	2.43E-04	3.26E-01	1.30E+01	7.89E-01	9.64E+00	9.25E+00	8.71E+01
786	490236.72	3860485.12	6.89197	5.37011	12.49622	6.6446	25.57403	5.64966	5.36968	5.37011	7.07E+01	2.42E+00	3.17E-04	3.44E-01	1.18E+01	7.81E-01	9.27E+00	8.90E+00	8.64E+01
787	490286.72	3860485.12	6.95089	5.14388	13.58065	6.99083	26.28182	5.52978	5.14206	5.14388	7.13E+01	2.31E+00	3.45E-04	3.62E-01	1.21E+01	7.65E-01	8.88E+00	8.52E+00	8.72E+01
788	490336.72	3860485.12	6.99894	4.91625	12.38824	7.2845	26.56218	5.41121	4.9124	4.91625	7.18E+01	2.21E+00	3.14E-04	3.77E-01	1.22E+01	7.48E-01	8.48E+00	8.15E+00	8.77E+01
789	490386.72	3860485.12	7.04125	4.68221	11.02724	7.52658	26.50138	5.5949	4.67738	4.68221	7.22E+01	2.11E+00	2.80E-04	3.90E-01	1.22E+01	7.74E-01	8.08E+00	7.76E+00	8.80E+01
790	490436.72	3860485.12	7.07698	4.44595	8.87094	7.70031	26.10643	5.75214	4.43936	4.44595	7.26E+01	2.00E+00	2.25E-04	3.99E-01	1.20E+01	7.95E-01	7.66E+00	7.37E+00	8.81E+01
791	490486.72	3860485.12	7.09738	4.28318	10.24382	7.76132	25.30081	5.8692	4.27607	4.28318	7.28E+01	1.93E+00	2.60E-04	4.02E-01	1.17E+01	8.11E-01	7.38E+00	7.10E+00	8.79E+01
792	490536.72	3860485.12	7.10955	4.16847	11.69104	7.73704	24.1963	5.9482	4.37699	4.16847	7.29E+01	1.88E+00	2.97E-04	4.01E-01	1.12E+01	8.22E-01	7.56E+00	6.91E+00	8.78E+01
793	490586.72	3860485.12	7.11674	4.0814	11.78652	7.64606	22.85448	5.98718	4.51416	4.0814	7.30E+01	1.84E+00	2.99E-04	3.96E-01	1.05E+01	8.28E-01	7.79E+00	6.76E+00	8.76E+01
794	490636.72	3860485.12	7.12345	4.39168	10.65225	7.51475	21.34846	5.99107	4.63021	4.39168	7.30E+01	1.98E+00	2.70E-04	3.89E-01	9.84E+00	8.28E-01	7.99E+00	7.28E+00	8.68E+01
795	490686.72	3860485.12	7.12433	4.67795	10.53717	7.32314	19.66901	5.9521	4.92494	4.67795	7.31E+01	2.11E+00	2.67E-04	3.79E-01	9.06E+00	8.23E-01	8.50E+00	7.75E+00	8.62E+01
796	490736.72	3860485.12	7.13011	4.91058	10.732	7.12217	17.93822	5.88362	5.16876	4.91058	7.31E+01	2.21E+00	2.72E-04	3.69E-01	8.27E+00	8.13E-01	8.92E+00	8.14E+00	8.56E+01
797	490786.72	3860485.12	7.13774	5.09954	10.91159	7.29474	16.16836	5.78343	5.34568	5.09954	7.32E+01	2.30E+00	2.77E-04	3.78E-01	7.45E+00	8.00E-01	9.23E+00	8.45E+00	8.49E+01
798	490136.72	3860535.12	6.54991	6.52969	7.82674	5.5835	32.57159	5.40374	6.54389	6.52969	6.72E+01	2.94E+00	1.99E-04	2.89E-01	1.50E+01	7.47E-01	1.13E+01	1.08E+01	8.66E+01
799	490186.72	3860535.12	6.60376	6.3921	8.52166	5.93289	29.88503	5.50984	6.40305	6.3921	6.77E+01	2.88E+00	2.16E-04	3.07E-01	1.38E+01	7.62E-01	1.11E+01	1.06E+01	8.59E+01
800	490236.72	3860535.12	6.65026	6.24144	10.83966	6.24541	26.86807	5.5441	6.24962	6.24144	6.82E+01	2.81E+00	2.75E-04	3.23E-01	1.24E+01	7.66E-01	1.08E+01	1.03E+01	8.49E+01
801	490286.72	3860535.12	6.7062	6.06258	12.68387	6.57458	25.24342	5.51847	6.06776	6.06258	6.88E+01	2.73E+00	3.22E-04	3.40E-01	1.16E+01	7.63E-01	1.05E+01	1.00E+01	8.47E+01
802	490336.72	3860535.12	6.76436	5.85998	12.63719	6.894	25.84662	5.43229	5.8627	5.85998	6.94E+01	2.64E+00	3.21E-04	3.57E-01	1.19E+01	7.51E-01	1.01E+01	9.71E+00	8.54E+01
803	490386.72	3860535.12	6.82111	5.6372	11.56151	7.18024	26.11545	5.28949	5.63811	5.6372	6.99E+01	2.54E+00	2.93E-04	3.72E-01	1.20E+01	7.31E-01	9.73E+00	9.34E+00	8.60E+01
804	490436.72	3860535.12	6.87067	5.40106	10.11635	7.39981	26.00735	5.33214	5.40045	5.40106	7.05E+01	2.43E+00	2.57E-04	3.83E-01	1.20E+01	7.37E-01	9.32E+00	8.95E+00	8.64E+01
805	490486.72	3860535.12	6.91078	5.15777	8.22726	7.53417	25.52465	5.49478	5.15548	5.15777	7.09E+01	2.32E+00	2.09E-04	3.90E-01	1.18E+01	7.60E-01	8.90E+00	8.55E+00	8.65E+01
806	490536.72	3860535.12	6.95351	4.89836	10.42854	7.62891	24.83578	5.63821	4.89354	4.89836	7.13E+01	2.20E+00	2.65E-04	3.95E-01	1.14E+01	7.79E-01	8.45E+00	8.12E+00	8.65E+01
807	490586.72	3860535.12	6.9593	4.80971	11.27176	7.52701	23.55656	5.72103	4.79794	4.80971	7.14E+01	2.16E+00	2.86E-04	3.90E-01	1.09E+01	7.91E-01	8.28E+00	7.97E+00	8.59E+01
808	490636.72	3860535.12	6.97396	4.63413	11.06626	7.42007	22.20935	5.78122	4.61732	4.63413	7.15E+01	2.09E+00	2.81E-04	3.84E-01	1.02E+01	7.99E-01	7.97E+00	7.68E+00	8.53E+01
809	490686.72	3860535.12	6.9869	4.45952	9.8322	7.2747	20.7086	5.80882	4.48159	4.45952	7.16E+01	2.01E+00	2.49E-04	3.77E-01	9.54E+00	8.03E-01	7.74E+00	7.39E+00	8.47E+01
810	490736.72	3860535.12	6.9945	4.34801	10.05165	7.07983	19.06255	5.79726	4.7691	4.34801	7.17E+01	1.96E+00	2.55E-04	3.66E-01	8.78E+00	8.01E-01	8.23E+00	7.20E+00	8.47E+01
811	490786.72	3860535.12	7.00533	4.67453	10.15699	6.87865	17.37297	5.75701	5.00953	4.67453	7.18E+01	2.10E+00	2.58E-04	3.56E-01	8.01E+00	7.96E-01	8.65E+00	7.75E+00	8.40E+01
812	490136.72	3860585.12	6.37491	6.95497	8.61519	5.56506	33.87794	5.03939	6.98239	6.95497	6.54E+01	3.13E+00	2.19E-04	2.88E-01	1.56E+01	6.97E-01	1.21E+01	1.15E+01	8.56E+01
813	490186.72	3860585.12	6.38476	6.94482	7.2923	5.52128	30.90043	5.19062	6.96878	6.94482	6.55E+01	3.13E+00	1.85E-04	2.86E-01	1.42E+01	7.18E-01	1.20E+01	1.15E+01	8.44E+01
814	490236.72	3860585.12	6.42798	6.88819	9.06402	5.85399	28.23597	5.31267	6.90833	6.88819	6.59E+01	3.10E+00	2.30E-04	3.03E-01	1.30E+01	7.34E-01	1.19E+01	1.14E+01	8.36E+01
815	490286.72	3860585.12	6.47932	6.8005	11.48374	6.1893	25.47635	5.37795	6.81672	6.8005	6.64E+01	3.06E+00	2.91E-04	3.20E-01	1.17E+01	7.44E-01	1.18E+01	1.13E+01	8.28E+01
816	490336.72	3860585.12	6.53327	6.68365	12.3338	6.50723	24.92333	5.38161	6.69668	6.68365	6.70E+01	3.01E+00	3.13E-04	3.37E-01	1.15E+01	7.44E-01	1.16E+01	1.11E+01	8.31E+01
817	490386.72	3860585.12	6.58875	6.53614	11.49394	6.79833	25.42076	5.32553	6.54626	6.53614	6.76E+01	2.94E+00	2.92E-04	3.52E-01	1.17E+01	7.36E-01	1.13E+01	1.08E+01	8.38E+01
818	490436.72	3860585.12	6.65589	6.34934	10.96651	7.09313	25.73307	5.22212	6.35603	6.34934	6.82E+01	2.86E+00	2.78E-04	3.67E-01	1.19E+01	7.22E-01	1.10E+01	1.05E+01	8.45E+01
819	490486.72	3860585.12	6.71808	6.13697	9.22917	7.31883	25.66385	5.09215	6.14088	6.13697	6.89E+01	2.76E+00	2.34E-04	3.79E-01	1.18E+01	7.04E-01	1.06E+01	1.02E+01	8.50E+01
820	490536.72	3860585.12	6.75778	5.91755	8.61065	7.4094	25.06576	5.25524	5.91852	5.91755	6.93E+01	2.66E+00	2.18E-04	3.84E-01	1.16E+01	7.27E-01	1.02E+01	9.81E+00	8.50E+01
821	490586.72	3860585.12	6.77317	5.87257	10.05288	7.34656	23.97947	5.37431	5.85803	5.87257	6.95E+01	2.64E+00	2.55E-04	3.80E-01	1.11E+01	7.43E-01	1.01E+01	9.73E+00	8.47E+01
822	490636.72	3860585.12	6.8043	5.65077	10.74834	7.30209	22.88539	5.48785	5.6515	5.65077	6.98E+01	2.54E+00	2.73E-04	3.78E-01	1.05E+01	7.59E-01	9.76E+00	9.36E+00	8.44E+01

823	490686.72	3860585.12	6.8283	5.43659	10.34781	7.19309	21.56247	5.56886	5.43079	5.43659	7.00E+01	2.45E+00	2.63E-04	3.72E-01	9.94E+00	7.70E-01	9.38E+00	9.01E+00	8.39E+01
824	490736.72	3860585.12	6.84792	5.21618	9.06897	7.03867	20.08054	5.61746	5.207	5.21618	7.02E+01	2.35E+00	2.30E-04	3.64E-01	9.25E+00	7.77E-01	8.99E+00	8.64E+00	8.33E+01
825	490786.72	3860585.12	6.86204	4.99892	9.57989	6.84182	18.46812	5.63011	4.99719	4.99892	7.04E+01	2.25E+00	2.43E-04	3.54E-01	8.51E+00	7.78E-01	8.63E+00	8.28E+00	8.26E+01
826	490136.72	3860635.12	6.24484	6.92998	9.37506	5.6166	35.1618	4.63495	6.97245	6.92998	6.40E+01	3.12E+00	2.38E-04	2.91E-01	1.62E+01	6.41E-01	1.20E+01	1.15E+01	8.48E+01
827	490186.72	3860635.12	6.23729	7.03731	7.4347	5.32635	32.43711	4.8342	7.07631	7.03731	6.40E+01	3.17E+00	1.89E-04	2.76E-01	1.49E+01	6.68E-01	1.22E+01	1.17E+01	8.36E+01
828	490236.72	3860635.12	6.24567	7.11653	7.74795	5.51141	29.59174	4.99769	7.15171	7.11653	6.40E+01	3.20E+00	1.97E-04	2.85E-01	1.36E+01	6.91E-01	1.23E+01	1.18E+01	8.24E+01
829	490286.72	3860635.12	6.27614	7.15908	10.0328	5.81381	26.85589	5.1269	7.19038	7.15908	6.44E+01	3.22E+00	2.55E-04	3.01E-01	1.24E+01	7.09E-01	1.24E+01	1.19E+01	8.15E+01
830	490336.72	3860635.12	6.3202	7.19279	11.58634	6.13111	24.15456	5.2103	7.21406	7.19279	6.48E+01	3.24E+00	2.94E-04	3.17E-01	1.11E+01	7.20E-01	1.25E+01	1.19E+01	8.08E+01
831	490386.72	3860635.12	6.3707	7.21373	11.57257	6.43574	24.59031	5.23919	7.23034	7.21373	6.53E+01	3.25E+00	2.94E-04	3.33E-01	1.13E+01	7.24E-01	1.25E+01	1.20E+01	8.15E+01
832	490436.72	3860635.12	6.4234	7.20935	11.1651	6.70286	25.00301	5.21021	7.2237	7.20935	6.59E+01	3.24E+00	2.83E-04	3.47E-01	1.15E+01	7.20E-01	1.25E+01	1.19E+01	8.22E+01
833	490486.72	3860635.12	6.47867	7.15491	10.02949	6.92929	25.10157	5.12873	7.16475	7.15491	6.64E+01	3.22E+00	2.54E-04	3.59E-01	1.16E+01	7.09E-01	1.24E+01	1.19E+01	8.28E+01
834	490536.72	3860635.12	6.53659	7.03254	8.06358	7.10928	24.91951	5.00037	7.03917	7.03254	6.70E+01	3.16E+00	2.05E-04	3.68E-01	1.15E+01	6.91E-01	1.22E+01	1.17E+01	8.32E+01
835	490586.72	3860635.12	6.57708	6.95833	8.54632	7.16123	24.25658	4.99443	6.95646	6.95833	6.74E+01	3.13E+00	2.17E-04	3.71E-01	1.12E+01	6.90E-01	1.20E+01	1.15E+01	8.33E+01
836	490636.72	3860635.12	6.62029	6.79657	9.87748	7.17212	23.40571	5.14265	6.79984	6.79657	6.79E+01	3.06E+00	2.51E-04	3.71E-01	1.08E+01	7.11E-01	1.17E+01	1.13E+01	8.33E+01
837	490686.72	3860635.12	6.65554	6.61636	10.25927	7.10689	22.28419	5.26446	6.61447	6.61636	6.82E+01	2.98E+00	2.60E-04	3.68E-01	1.03E+01	7.28E-01	1.14E+01	1.10E+01	8.30E+01
838	490736.72	3860635.12	6.68206	6.4025	9.65655	6.9707	20.93043	5.35438	6.4005	6.4025	6.85E+01	2.88E+00	2.45E-04	3.61E-01	9.65E+00	7.40E-01	1.11E+01	1.06E+01	8.26E+01
839	490786.72	3860635.12	6.70806	6.16977	8.50992	6.81147	19.47156	5.42126	6.14613	6.16977	6.88E+01	2.78E+00	2.16E-04	3.53E-01	8.97E+00	7.50E-01	1.06E+01	1.02E+01	8.20E+01
840	490136.72	3860685.12	6.13029	6.45072	9.72697	5.60013	35.8792	4.21419	6.50662	6.45072	6.29E+01	2.90E+00	2.47E-04	2.90E-01	1.65E+01	5.83E-01	1.12E+01	1.07E+01	8.37E+01
841	490186.72	3860685.12	6.12784	6.64595	7.565	5.40785	33.92806	4.44188	6.69959	6.64595	6.28E+01	2.99E+00	1.92E-04	2.80E-01	1.56E+01	6.14E-01	1.16E+01	1.10E+01	8.29E+01
842	490236.72	3860685.12	6.11048	6.84084	7.30768	5.23557	31.0841	4.63909	6.89164	6.84084	6.27E+01	3.08E+00	1.85E-04	2.71E-01	1.43E+01	6.41E-01	1.19E+01	1.13E+01	8.15E+01
843	490286.72	3860685.12	6.10572	7.01627	8.54389	5.46333	28.12994	4.79899	7.06396	7.01627	6.26E+01	3.16E+00	2.17E-04	2.83E-01	1.30E+01	6.63E-01	1.22E+01	1.16E+01	8.02E+01
844	490336.72	3860685.12	6.13642	7.15155	10.56951	5.77958	25.57161	4.94596	7.19548	7.15155	6.29E+01	3.22E+00	2.68E-04	2.99E-01	1.18E+01	6.84E-01	1.24E+01	1.18E+01	7.95E+01
845	490386.72	3860685.12	6.17389	7.32832	11.28841	6.08052	23.58374	5.04443	7.36709	7.32832	6.33E+01	3.30E+00	2.86E-04	3.15E-01	1.09E+01	6.97E-01	1.27E+01	1.21E+01	7.91E+01
846	490436.72	3860685.12	6.21537	7.49974	11.00163	6.34948	24.20754	5.08925	7.53212	7.49974	6.37E+01	3.38E+00	2.79E-04	3.29E-01	1.12E+01	7.04E-01	1.30E+01	1.24E+01	7.99E+01
847	490486.72	3860685.12	6.26186	7.6336	10.55353	6.58295	24.50692	5.082	7.6566	7.6336	6.42E+01	3.44E+00	2.68E-04	3.41E-01	1.13E+01	7.03E-01	1.32E+01	1.26E+01	8.06E+01
848	490536.72	3860685.12	6.31566	7.70583	9.07607	6.78493	24.54604	5.0283	7.72453	7.70583	6.48E+01	3.47E+00	2.30E-04	3.51E-01	1.13E+01	6.95E-01	1.33E+01	1.28E+01	8.12E+01
849	490586.72	3860685.12	6.36845	7.73614	7.03026	6.92035	24.25304	4.92438	7.75181	7.73614	6.53E+01	3.48E+00	1.78E-04	3.58E-01	1.12E+01	6.81E-01	1.34E+01	1.28E+01	8.16E+01
850	490636.72	3860685.12	6.42074	7.71774	8.57402	6.99237	23.67706	4.77745	7.72861	7.71774	6.58E+01	3.47E+00	2.18E-04	3.62E-01	1.09E+01	6.60E-01	1.33E+01	1.28E+01	8.18E+01
851	490686.72	3860685.12	6.46982	7.65206	9.62501	6.99767	22.83312	4.91803	7.65864	7.65206	6.63E+01	3.44E+00	2.44E-04	3.62E-01	1.05E+01	6.80E-01	1.32E+01	1.27E+01	8.19E+01
852	490736.72	3860685.12	6.50815	7.55607	9.74885	6.91347	21.68829	5.0447	7.55514	7.55607	6.67E+01	3.40E+00	2.47E-04	3.58E-01	9.99E+00	6.97E-01	1.30E+01	1.25E+01	8.17E+01
853	490786.72	3860685.12	6.5494	7.39852	9.11703	6.81203	20.43312	5.15929	7.39219	7.39852	6.72E+01	3.33E+00	2.31E-04	3.53E-01	9.42E+00	7.13E-01	1.28E+01	1.23E+01	8.15E+01
854	490136.72	3860735.12	6.03086	5.62654	9.79372	5.52685	36.10314	3.80277	5.68984	5.62654	6.18E+01	2.53E+00	2.48E-04	2.86E-01	1.66E+01	5.26E-01	9.82E+00	9.32E+00	8.23E+01
855	490186.72	3860735.12	5.99494	5.89056	7.76249	5.30581	34.02407	4.01675	5.9534	5.89056	6.15E+01	2.65E+00	1.97E-04	2.75E-01	1.57E+01	5.55E-01	1.03E+01	9.76E+00	8.12E+01
856	490236.72	3860735.12	5.97519	6.14642	7.13983	5.07037	31.76071	4.23024	6.20863	6.14642	6.13E+01	2.77E+00	1.81E-04	2.62E-01	1.46E+01	5.85E-01	1.07E+01	1.02E+01	8.01E+01
857	490286.72	3860735.12	5.97055	6.39301	7.15979	5.15061	29.35407	4.43287	6.45385	6.39301	6.12E+01	2.88E+00	1.82E-04	2.67E-01	1.35E+01	6.13E-01	1.11E+01	1.06E+01	7.91E+01
858	490336.72	3860735.12	5.97866	6.62902	9.31694	5.43229	26.82032	4.61256	6.68797	6.62902	6.13E+01	2.98E+00	2.36E-04	2.81E-01	1.24E+01	6.38E-01	1.15E+01	1.10E+01	7.81E+01
859	490386.72	3860735.12	6.00214	6.84769	10.62187	5.73145	24.29228	4.76515	6.90403	6.84769	6.15E+01	3.08E+00	2.69E-04	2.97E-01	1.12E+01	6.59E-01	1.19E+01	1.13E+01	7.74E+01
860	490436.72	3860735.12	6.043	7.04541	10.75826	6.05027	23.42344	4.88598	7.10031	7.04541	6.20E+01	3.17E+00	2.73E-04	3.13E-01	1.08E+01	6.75E-01	1.23E+01	1.17E+01	7.75E+01
861	490486.72	3860735.12	6.07719	7.35538	10.77532	6.29259	23.93128	4.94617	7.40629	7.35538	6.23E+01	3.31E+00	2.73E-04	3.26E-01	1.10E+01	6.84E-01	1.28E+01	1.22E+01	7.83E+01
862	490536.72	3860735.12	6.11286	7.64061	9.81394	6.47517	24.06058	4.95216	7.68803	7.64061	6.27E+01	3.44E+00	2.49E-04	3.35E-01	1.11E+01	6.85E-01	1.33E+01	1.27E+01	7.88E+01
863	490586.72	3860735.12	6.16097	7.86092	8.11587	6.64055	23.99784	4.91954	7.9014	7.86092	6.32E+01	3.54E+00	2.06E-04	3.44E-01	1.11E+01	6.80E-01	1.36E+01	1.30E+01	7.94E+01
864	490636.72	3860735.12	6.21244	8.03384	7.04776	6.75163	23.65453	4.84173	8.07001	8.03384	6.37E+01	3.62E+00	1.79E-04	3.50E-01	1.09E+01	6.69E-01	1.39E+01	1.33E+01	7.99E+01
865	490686.72	3860735.12	6.26843	8.16302	8.50332	6.81975	23.09079	4.72572	8.18772	8.16302	6.43E+01	3.67E+00	2.16E-04	3.53E-01	1.06E+01	6.53E-01	1.41E+01	1.35E+01	8.02E+01
866	490736.72	3860735.12	6.32209	8.23974	9.31034	6.82122	22.2585	4.70109	8.2599	8.23974	6.48E+01	3.71E+00	2.36E-04	3.53E-01	1.03E+01	6.50E-01	1.43E+01	1.37E+01	8.04E+01
867	490136.72	3860785.12	5.95414	5.86023	9.86852	5.46793	36.31734	3.43454	5.86982	5.86023	6.11E+01	2.64E+00	2.50E-04	2.83E-01	1.67E+01	4.75E-01	1.01E+01	9.71E+00	8.16E+01
868	490186.72	3860785.12	5.91048	5.85855	8.1984	5.2893	34.59696	3.6344	5.86419	5.85855	6.06E+01	2.64E+00	2.08E-04	2.74E-01	1.59E+01	5.02E-01	1.01E+01	9.71E+00	8.04E+01
869	490236.72	3860785.12	5.87758	5.84776	6.93739	5.07564	32.5698	3.84087	5.85083	5.84776	6.03E+01	2.63E+00	1.76E-04	2.63E-01	1.50E+01	5.31E-01	1.01E+01	9.69E+00	7.91E+01
870	490286.72	3860785.12	5.85744	5.82038	6.96975	4.84713	30.33821	4.04794	5.8197	5.82038	6.01E+01	2.62E+00	1.77E-04	2.51E-01	1.40E+01	5.60E-01	1.00E+01	9.64E+00	7.79E+01
871	490336.72	3860785.12	5.84909	5.78472	8.01719	5.1054	27.9427	4.24541	5.79422	5.78472	6.00E+01	2.60E+00	2.03E-04	2.64E-01	1.29E+01	5.87E-01	1.00E+01	9.58E+00	7.67E+01
872	490386.72	3860785.12	5.85858	6.00122	9.71186	5.39985	25.56229	4.43306	6.0679	6.00122	6.01E+01	2.70E+00	2.46E-04	2.80E-01	1.18E+01	6.13E-01	1.05E+01	9.94E+00	7.60E+01
873	490436.72	3860785.12	5.87445	6.27741	10.2989	5.67625	23.04763	4.58721	6.3432	6.27741	6.02E+01	2.83E+00	2.61E-04	2.94E-01	1.06E+01	6.34E-01	1.10E+01	1.04E+01	7.52E+01
874	490486.72	3860785.12	5.90599	6.54123	10.54341	5.96511	23.05537	4.71449	6.60564	6.54123	6.06E+01	2.94E+00	2.67E-04	3.09E-01	1.06E+01	6.52E-01	1.14E+01	1.08E+01	7.57E+01
875	490536.72	3860785.12	5.93694	6.86773	10.24693	6.19143	23.50291	4.79016	6.93629	6.86773	6.09E+01	3.09E+00	2.60E-04	3.21E-01	1.08E+01	6.62E-01	1.20E+01	1.14E+01	7.64E+01
876	490586.72	3860785.12	5.96987	7.25118	8.97775	6.35499	23.57858	4.81514	7.31105	7.25118	6.12E+01	3.26E+00	2.28E-04	3.29E-01	1.09E+01	6.66E-01	1.26E+01	1.20E+01	7.69E+01
877	490636.72	3860785.12	6.01473	7.58034	7.18996	6.4975	23.4592	4.80435	7.63722	7.58034	6.17E+01	3.41E+00	1.82E-04	3.36E-01	1.08E+01	6.64E-01	1.32E+01	1.26E+01	7.75E+01
878	490686.72	3860785.12	6.06621	7.88368	7.15515	6.59722	23.1018	4.75345	7.93738	7.88368	6.22E+01	3.55E+00	1.82E-04	3.42E-01	1.06E+01	6.57E-01	1.37E+01	1.31E+01	7.80E+01
879	490736.72	3860785.12	6.12212	8.16456	8.36715	6.65031	22.5163	4.66358	8.20853	8.16456	6.28E+01	3.67E+00	2.12E-04	3.44E-01	1.04E+01	6.45E-01	1.42E+01	1.35E+01	7.85E+01
880	490086.72	3860835.12	5.94535	5.97546	10.14619	5.54147	37.58977	3.70282	6.0096	5.97546	6.10E+01	2.69E+00	2.57E-04	2.87E-01	1.73E+01	5.12E-01	1.04E+01	9.90E+00	8.22E+01
881	490136.72	3860835.12	5.88994	6.04282	9.91942	5.43588	36.5909	3.53122	6.07328	6.04282	6.04E+01	2.72E+00	2.52E-04	2.81E-01	1.69E+01	4.88E-01	1.05E+01	1.00E+01	8.12E+01

882	490186.72	3860835.12	5.83885	6.12174	8.54981	5.27198	35.06525	3.32632	6.14927	6.12174	5.99E+01	2.76E+00	2.17E-04	2.73E-01	1.62E+01	4.60E-01	1.06E+01	1.01E+01	8.00E+01
883	490236.72	3860835.12	5.79702	6.1865	6.66177	5.07753	33.2572	3.48331	6.20715	6.1865	5.94E+01	2.78E+00	1.69E-04	2.63E-01	1.53E+01	4.82E-01	1.07E+01	1.03E+01	7.88E+01
884	490286.72	3860835.12	5.76672	6.22982	6.78092	4.8675	31.24562	3.68062	6.24889	6.22982	5.91E+01	2.80E+00	1.72E-04	2.52E-01	1.44E+01	5.09E-01	1.08E+01	1.03E+01	7.76E+01
885	490336.72	3860835.12	5.74501	6.27126	6.81085	4.81037	28.99072	3.87714	6.28182	6.27126	5.89E+01	2.82E+00	1.73E-04	2.49E-01	1.34E+01	5.36E-01	1.08E+01	1.04E+01	7.63E+01
886	490386.72	3860835.12	5.73526	6.29288	8.59588	5.06789	26.6307	4.06981	6.2999	6.29288	5.88E+01	2.83E+00	2.18E-04	2.62E-01	1.23E+01	5.63E-01	1.09E+01	1.04E+01	7.52E+01
887	490436.72	3860835.12	5.73941	6.29269	9.68326	5.34573	24.26464	4.25369	6.29887	6.29269	5.89E+01	2.83E+00	2.46E-04	2.77E-01	1.12E+01	5.88E-01	1.09E+01	1.04E+01	7.42E+01
888	490486.72	3860835.12	5.75337	6.28143	9.94682	5.61881	21.93543	4.41422	6.28434	6.28143	5.90E+01	2.83E+00	2.52E-04	2.91E-01	1.01E+01	6.10E-01	1.08E+01	1.04E+01	7.33E+01
889	490536.72	3860835.12	5.77516	6.26324	10.26674	5.86916	22.65413	4.54228	6.26036	6.26324	5.92E+01	2.82E+00	2.60E-04	3.04E-01	1.04E+01	6.28E-01	1.08E+01	1.04E+01	7.38E+01
890	490586.72	3860835.12	5.80238	6.22922	9.56881	6.07752	23.03785	4.63034	6.22534	6.22922	5.95E+01	2.80E+00	2.43E-04	3.15E-01	1.06E+01	6.40E-01	1.07E+01	1.03E+01	7.43E+01
891	490636.72	3860835.12	5.83694	6.51472	8.12554	6.24477	23.13333	4.67889	6.59228	6.51472	5.99E+01	2.93E+00	2.06E-04	3.23E-01	1.07E+01	6.47E-01	1.14E+01	1.08E+01	7.50E+01
892	490686.72	3860835.12	5.88097	6.91731	6.33654	6.37848	22.99697	4.69116	6.99228	6.91731	6.03E+01	3.11E+00	1.61E-04	3.30E-01	1.06E+01	6.49E-01	1.21E+01	1.15E+01	7.56E+01
893	490736.72	3860835.12	5.93256	7.3132	7.23703	6.47161	22.63299	4.66559	7.38348	7.3132	6.08E+01	3.29E+00	1.84E-04	3.35E-01	1.04E+01	6.45E-01	1.27E+01	1.21E+01	7.62E+01
894	490086.72	3860885.12	5.87568	5.75071	9.79967	5.48358	37.42414	3.79065	5.7994	5.75071	6.02E+01	2.59E+00	2.49E-04	2.84E-01	1.72E+01	5.24E-01	1.00E+01	9.53E+00	8.14E+01
895	490136.72	3860885.12	5.82067	5.88345	9.85135	5.38308	36.61858	3.6527	5.92995	5.88345	5.97E+01	2.65E+00	2.50E-04	2.79E-01	1.69E+01	5.05E-01	1.02E+01	9.75E+00	8.05E+01
896	490186.72	3860885.12	5.76969	6.01372	8.80637	5.24695	35.39586	3.48428	6.06337	6.01372	5.92E+01	2.71E+00	2.23E-04	2.72E-01	1.63E+01	4.82E-01	1.05E+01	9.96E+00	7.94E+01
897	490236.72	3860885.12	5.72515	6.13845	7.04029	5.07905	33.84593	3.29174	6.18347	6.13845	5.87E+01	2.76E+00	1.79E-04	2.63E-01	1.56E+01	4.55E-01	1.07E+01	1.02E+01	7.83E+01
898	490286.72	3860885.12	5.68731	6.2567	6.51411	4.88037	32.00951	3.3464	6.29579	6.2567	5.83E+01	2.82E+00	1.65E-04	2.53E-01	1.48E+01	4.63E-01	1.09E+01	1.04E+01	7.71E+01
899	490336.72	3860885.12	5.65685	6.36926	6.61837	4.6618	29.91809	3.52829	6.40511	6.36926	5.80E+01	2.87E+00	1.68E-04	2.41E-01	1.38E+01	4.88E-01	1.11E+01	1.06E+01	7.59E+01
900	490386.72	3860885.12	5.63775	6.46238	7.5318	4.78525	27.72884	3.71936	6.49333	6.46238	5.78E+01	2.91E+00	1.91E-04	2.48E-01	1.28E+01	5.14E-01	1.12E+01	1.07E+01	7.48E+01
901	490436.72	3860885.12	5.62912	6.54354	8.92133	5.04669	25.4528	3.90971	6.57259	6.54354	5.77E+01	2.94E+00	2.26E-04	2.61E-01	1.17E+01	5.41E-01	1.13E+01	1.08E+01	7.37E+01
902	490486.72	3860885.12	5.6291	6.61962	9.42861	5.30652	23.09495	4.08755	6.6437	6.61962	5.77E+01	2.98E+00	2.39E-04	2.75E-01	1.06E+01	5.65E-01	1.15E+01	1.10E+01	7.27E+01
903	490536.72	3860885.12	5.63776	6.68704	9.97641	5.55693	21.67807	4.24592	6.70441	6.68704	5.78E+01	3.01E+00	2.53E-04	2.88E-01	9.99E+00	5.87E-01	1.16E+01	1.11E+01	7.22E+01
904	490586.72	3860885.12	5.65417	6.73754	9.83243	5.78424	22.29656	4.37721	6.75706	6.73754	5.80E+01	3.03E+00	2.49E-04	2.99E-01	1.03E+01	6.05E-01	1.17E+01	1.12E+01	7.27E+01
905	490636.72	3860885.12	5.67828	6.77231	8.833	5.97768	22.62621	4.47625	6.78026	6.77231	5.82E+01	3.05E+00	2.24E-04	3.09E-01	1.04E+01	6.19E-01	1.17E+01	1.12E+01	7.31E+01
906	490686.72	3860885.12	5.71159	6.78442	7.28473	6.13669	22.69866	4.54227	6.7827	6.78442	5.86E+01	3.05E+00	1.85E-04	3.18E-01	1.05E+01	6.28E-01	1.17E+01	1.12E+01	7.35E+01
907	490736.72	3860885.12	5.75189	6.77503	5.99679	6.24972	22.51049	4.57122	6.77745	6.77503	5.90E+01	3.05E+00	1.52E-04	3.24E-01	1.04E+01	6.32E-01	1.17E+01	1.12E+01	7.38E+01
908	490086.72	3860935.12	5.78851	5.27472	9.38181	5.40555	36.9814	3.82948	5.33666	5.27472	5.94E+01	2.37E+00	2.38E-04	2.80E-01	1.70E+01	5.29E-01	9.21E+00	8.74E+00	8.01E+01
909	490136.72	3860935.12	5.73899	5.4497	9.67917	5.30766	36.38332	3.72447	5.51116	5.4497	5.88E+01	2.45E+00	2.46E-04	2.75E-01	1.68E+01	5.15E-01	9.52E+00	9.03E+00	7.93E+01
910	490186.72	3860935.12	5.69322	5.60776	8.9524	5.20347	35.49595	3.59624	5.66909	5.60776	5.84E+01	2.52E+00	2.27E-04	2.69E-01	1.64E+01	4.97E-01	9.79E+00	9.29E+00	7.85E+01
911	490236.72	3860935.12	5.65046	5.76832	7.43018	5.06322	34.23058	3.43899	5.82831	5.76832	5.79E+01	2.60E+00	1.88E-04	2.62E-01	1.58E+01	4.75E-01	1.01E+01	9.56E+00	7.76E+01
912	490286.72	3860935.12	5.61221	5.92509	6.19728	4.89187	32.65413	3.25766	5.9844	5.92509	5.75E+01	2.67E+00	1.57E-04	2.53E-01	1.50E+01	4.50E-01	1.03E+01	9.82E+00	7.65E+01
913	490336.72	3860935.12	5.57781	6.09025	6.36234	4.68391	30.74545	3.21762	6.14632	6.09025	5.72E+01	2.74E+00	1.61E-04	2.42E-01	1.42E+01	4.45E-01	1.06E+01	1.01E+01	7.53E+01
914	490386.72	3860935.12	5.55254	6.23785	6.48855	4.52461	28.72767	3.39282	6.29313	6.23785	5.69E+01	2.81E+00	1.65E-04	2.34E-01	1.32E+01	4.69E-01	1.09E+01	1.03E+01	7.42E+01
915	490436.72	3860935.12	5.53497	6.38199	8.04881	4.76928	26.56301	3.57508	6.43438	6.38199	5.68E+01	2.87E+00	2.04E-04	2.47E-01	1.22E+01	4.94E-01	1.11E+01	1.06E+01	7.31E+01
916	490486.72	3860935.12	5.52389	6.52893	8.92854	5.01381	24.27109	3.75438	6.57876	6.52893	5.66E+01	2.94E+00	2.26E-04	2.60E-01	1.12E+01	5.19E-01	1.14E+01	1.08E+01	7.21E+01
917	490536.72	3860935.12	5.52225	6.66647	9.43885	5.26276	21.96584	3.92792	6.71273	6.66647	5.66E+01	3.00E+00	2.39E-04	2.72E-01	1.01E+01	5.43E-01	1.16E+01	1.10E+01	7.11E+01
918	490586.72	3860935.12	5.52715	6.80191	9.79357	5.49484	21.4179	4.08413	6.84527	6.80191	5.67E+01	3.06E+00	2.48E-04	2.84E-01	9.87E+00	5.65E-01	1.18E+01	1.13E+01	7.10E+01
919	490636.72	3860935.12	5.54054	6.92054	9.27575	5.70513	21.96169	4.21872	6.95825	6.92054	5.68E+01	3.11E+00	2.35E-04	2.95E-01	1.01E+01	5.83E-01	1.20E+01	1.15E+01	7.15E+01
920	490686.72	3860935.12	5.56294	7.02596	8.07028	5.88865	22.25183	4.3282	7.0568	7.02596	5.70E+01	3.16E+00	2.05E-04	3.05E-01	1.03E+01	5.98E-01	1.22E+01	1.16E+01	7.19E+01
921	490736.72	3860935.12	5.59262	7.1133	6.48023	6.02942	22.27062	4.4058	7.13841	7.1133	5.73E+01	3.20E+00	1.64E-04	3.12E-01	1.03E+01	6.09E-01	1.23E+01	1.18E+01	7.23E+01
922	490786.72	3860935.12	5.62925	7.18505	6.10728	6.12278	22.03236	4.44904	7.20773	7.18505	5.77E+01	3.23E+00	1.55E-04	3.17E-01	1.02E+01	6.15E-01	1.24E+01	1.19E+01	7.26E+01
923	490836.72	3860935.12	5.67462	7.26833	7.14602	6.18021	21.59134	4.46057	7.27419	7.26833	5.82E+01	3.27E+00	1.81E-04	3.20E-01	9.95E+00	6.17E-01	1.26E+01	1.20E+01	7.29E+01
924	490086.72	3860985.12	5.68038	5.26153	8.95514	5.33526	36.4641	3.83443	5.27086	5.26153	5.82E+01	2.37E+00	2.27E-04	2.76E-01	1.68E+01	5.30E-01	9.10E+00	8.72E+00	7.86E+01
925	490136.72	3860985.12	5.64355	5.28989	9.4876	5.25896	36.18854	3.76642	5.29685	5.28989	5.79E+01	2.38E+00	2.41E-04	2.72E-01	1.67E+01	5.21E-01	9.15E+00	8.77E+00	7.81E+01
926	490186.72	3860985.12	5.60663	5.31737	9.04164	5.17335	35.57693	3.67378	5.32115	5.31737	5.75E+01	2.39E+00	2.29E-04	2.68E-01	1.64E+01	5.08E-01	9.19E+00	8.81E+00	7.74E+01
927	490236.72	3860985.12	5.56789	5.34306	7.74611	5.03952	34.4841	3.54679	5.34063	5.34306	5.71E+01	2.40E+00	1.97E-04	2.61E-01	1.59E+01	4.90E-01	9.22E+00	8.85E+00	7.65E+01
928	490286.72	3860985.12	5.53169	5.35792	6.01096	4.88208	33.09268	3.3956	5.4153	5.35792	5.67E+01	2.41E+00	1.52E-04	2.53E-01	1.53E+01	4.69E-01	9.35E+00	8.88E+00	7.56E+01
929	490336.72	3860985.12	5.49885	5.53215	6.05228	4.69947	31.43605	3.22179	5.59948	5.53215	5.64E+01	2.49E+00	1.54E-04	2.43E-01	1.45E+01	4.45E-01	9.67E+00	9.17E+00	7.46E+01
930	490386.72	3860985.12	5.47075	5.71057	6.23045	4.50378	29.57049	3.10224	5.78156	5.71057	5.61E+01	2.57E+00	1.58E-04	2.33E-01	1.36E+01	4.29E-01	9.98E+00	9.46E+00	7.35E+01
931	490436.72	3860985.12	5.44985	5.87853	7.12949	4.51273	27.58572	3.26798	5.94757	5.87853	5.59E+01	2.65E+00	1.81E-04	2.34E-01	1.27E+01	4.52E-01	1.03E+01	9.74E+00	7.25E+01
932	490486.72	3860985.12	5.43235	6.06787	8.28283	4.74405	25.39386	3.43677	6.13871	6.06787	5.57E+01	2.73E+00	2.10E-04	2.46E-01	1.17E+01	4.75E-01	1.06E+01	1.01E+01	7.14E+01
933	490536.72	3860985.12	5.4207	6.26206	8.7057	4.97703	23.12384	3.60668	6.32993	6.26206	5.56E+01	2.82E+00	2.21E-04	2.58E-01	1.07E+01	4.99E-01	1.09E+01	1.04E+01	7.04E+01
934	490586.72	3860985.12	5.41678	6.45492	9.48121	5.20896	20.85358	3.7728	6.51897	6.45492	5.55E+01	2.91E+00	2.41E-04	2.70E-01	9.61E+00	5.22E-01	1.13E+01	1.07E+01	6.94E+01
935	490636.72	3860985.12	5.42199	6.63372	9.447	5.43634	21.17	3.93056	6.6952	6.63372	5.56E+01	2.99E+00	2.40E-04	2.81E-01	9.76E+00	5.43E-01	1.16E+01	1.10E+01	6.97E+01
936	490686.72	3860985.12	5.43324	6.80969	8.64096	5.63253	21.64922	4.06772	6.86602	6.80969	5.57E+01	3.06E+00	2.19E-04	2.92E-01	9.98E+00	5.62E-01	1.19E+01	1.13E+01	7.02E+01
937	490736.72	3860985.12	5.45191	6.97807	7.30004	5.79468	21.86548	4.18151	7.03116	6.97807	5.59E+01	3.14E+00	1.85E-04	3.00E-01	1.01E+01	5.78E-01	1.21E+01	1.16E+01	7.06E+01
938	490786.72	3860985.12	5.47938	7.13566	5.72826	5.92242	21.84617	4.27013	7.18202	7.13566	5.62E+01	3.21E+00	1.45E-04	3.07E-01	1.01E+01	5.90E-01	1.24E+01	1.18E+01	7.09E+01
939	490836.72	3860985.12	5.51515	7.28989	6.18442	6.01089	21.59807	4.33	7.33371	7.28989	5.66E+01	3.28E+00	1.57E-04	3.11E-01	9.95E+00	5.99E-01	1.27E+01	1.21E+01	7.13E+01
940	490086.72	3861035.12	5.83495	5.39504	8.50714	5.26059	35.78648	3.80567	5.42194	5.39504	5.98E+01	2.43E+00	2.16E-04	2.72E-01	1.65E+01	5.26E-01	9.36E+00	8.94E+00	8.00E+01

941	490136.72	3861035.12	5.52184	5.44355	9.22852	5.19749	35.79534	3.769	5.46814	5.44355	5.66E+01	2.45E+00	2.34E-04	2.69E-01	1.65E+01	5.21E-01	9.44E+00	9.02E+00	7.68E+01
942	490186.72	3861035.12	5.49754	5.49276	9.02407	5.11525	35.37922	3.70543	5.51404	5.49276	5.64E+01	2.47E+00	2.29E-04	2.65E-01	1.63E+01	5.12E-01	9.52E+00	9.10E+00	7.63E+01
943	490236.72	3861035.12	5.47076	5.53853	7.99142	5.01489	34.61226	3.61687	5.5597	5.53853	5.61E+01	2.49E+00	2.03E-04	2.60E-01	1.60E+01	5.00E-01	9.60E+00	9.18E+00	7.57E+01
944	490286.72	3861035.12	5.44143	5.58556	6.41381	4.87131	33.42651	3.4968	5.59861	5.58556	5.58E+01	2.51E+00	1.63E-04	2.52E-01	1.54E+01	4.83E-01	9.67E+00	9.25E+00	7.49E+01
945	490336.72	3861035.12	5.41267	5.62645	5.70061	4.70363	31.96144	3.35261	5.64086	5.62645	5.55E+01	2.53E+00	1.45E-04	2.43E-01	1.47E+01	4.64E-01	9.74E+00	9.32E+00	7.39E+01
946	490386.72	3861035.12	5.38787	5.67654	5.93316	4.53002	30.3358	3.19155	5.68872	5.67654	5.52E+01	2.55E+00	1.51E-04	2.35E-01	1.40E+01	4.41E-01	9.82E+00	9.41E+00	7.29E+01
947	490436.72	3861035.12	5.36613	5.72045	6.20861	4.34544	28.4996	3.0687	5.72866	5.72045	5.50E+01	2.57E+00	1.57E-04	2.25E-01	1.31E+01	4.24E-01	9.89E+00	9.48E+00	7.18E+01
948	490486.72	3861035.12	5.3465	5.76037	7.53799	4.49368	26.43811	3.14959	5.7686	5.76037	5.48E+01	2.59E+00	1.91E-04	2.33E-01	1.22E+01	4.35E-01	9.96E+00	9.54E+00	7.07E+01
949	490536.72	3861035.12	5.33076	5.802	8.27993	4.71749	24.26031	3.30725	5.80534	5.802	5.47E+01	2.61E+00	2.10E-04	2.44E-01	1.12E+01	4.57E-01	1.00E+01	9.61E+00	6.96E+01
950	490586.72	3861035.12	5.32029	5.83127	8.96207	4.94256	22.03794	3.46883	5.87371	5.83127	5.46E+01	2.62E+00	2.27E-04	2.56E-01	1.02E+01	4.80E-01	1.01E+01	9.66E+00	6.85E+01
951	490636.72	3861035.12	5.31603	6.01713	9.34603	5.16268	20.22656	3.62871	6.09308	6.01713	5.45E+01	2.71E+00	2.37E-04	2.67E-01	9.32E+00	5.02E-01	1.05E+01	9.97E+00	6.79E+01
952	490686.72	3861035.12	5.31874	6.23579	8.96725	5.36908	20.89044	3.78085	6.31286	6.23579	5.45E+01	2.81E+00	2.27E-04	2.78E-01	9.63E+00	5.23E-01	1.09E+01	1.03E+01	6.83E+01
953	490736.72	3861035.12	5.32863	6.45004	7.95458	5.55256	21.31366	3.9196	6.52165	6.45004	5.46E+01	2.90E+00	2.02E-04	2.87E-01	9.82E+00	5.42E-01	1.13E+01	1.07E+01	6.88E+01
954	490786.72	3861035.12	5.34722	6.6582	6.55708	5.70936	21.50773	4.04149	6.73014	6.6582	5.48E+01	3.00E+00	1.66E-04	2.96E-01	9.91E+00	5.59E-01	1.16E+01	1.10E+01	6.92E+01
955	490836.72	3861035.12	5.37311	6.86439	5.29868	5.82641	21.45518	4.13963	6.93457	6.86439	5.51E+01	3.09E+00	1.34E-04	3.02E-01	9.89E+00	5.72E-01	1.20E+01	1.14E+01	6.95E+01
956	490086.72	3861085.12	6.04581	5.38026	8.05463	5.18965	34.99463	3.75122	5.42165	5.38026	6.20E+01	2.42E+00	2.04E-04	2.69E-01	1.61E+01	5.19E-01	9.36E+00	8.91E+00	8.18E+01
957	490136.72	3861085.12	5.69668	5.43937	8.93701	5.14271	35.29896	3.7435	5.48023	5.43937	5.84E+01	2.45E+00	2.27E-04	2.66E-01	1.63E+01	5.18E-01	9.46E+00	9.01E+00	7.84E+01
958	490186.72	3861085.12	5.36354	5.48891	8.98303	5.08814	35.2246	3.71412	5.53176	5.48891	5.50E+01	2.47E+00	2.28E-04	2.63E-01	1.62E+01	5.13E-01	9.55E+00	9.09E+00	7.49E+01
959	490236.72	3861085.12	5.35103	5.5676	8.16706	4.98758	34.61901	3.65133	5.60576	5.5676	5.49E+01	2.51E+00	2.07E-04	2.58E-01	1.60E+01	5.05E-01	9.68E+00	9.23E+00	7.45E+01
960	490286.72	3861085.12	5.3344	5.6342	6.76873	4.86445	33.67894	3.56386	5.67151	5.6342	5.47E+01	2.54E+00	1.72E-04	2.52E-01	1.55E+01	4.93E-01	9.79E+00	9.34E+00	7.40E+01
961	490336.72	3861085.12	5.31475	5.70161	5.58724	4.71263	32.42002	3.45055	5.73439	5.70161	5.45E+01	2.57E+00	1.42E-04	2.44E-01	1.49E+01	4.77E-01	9.90E+00	9.45E+00	7.32E+01
962	490386.72	3861085.12	5.29569	5.76364	5.60224	4.55206	30.97796	3.31841	5.79585	5.76364	5.43E+01	2.59E+00	1.42E-04	2.36E-01	1.43E+01	4.59E-01	1.00E+01	9.55E+00	7.23E+01
963	490436.72	3861085.12	5.27613	5.82771	5.81669	4.36613	29.24992	3.16126	5.85774	5.82771	5.41E+01	2.62E+00	1.48E-04	2.26E-01	1.35E+01	4.37E-01	1.01E+01	9.66E+00	7.13E+01
964	490486.72	3861085.12	5.25795	5.8922	6.71926	4.25261	27.33636	3.03856	5.91978	5.8922	5.39E+01	2.65E+00	1.70E-04	2.20E-01	1.26E+01	4.20E-01	1.02E+01	9.76E+00	7.03E+01
965	490536.72	3861085.12	5.24357	5.95618	7.73203	4.47477	25.32668	3.04018	5.97858	5.95618	5.38E+01	2.68E+00	1.96E-04	2.32E-01	1.17E+01	4.20E-01	1.03E+01	9.87E+00	6.92E+01
966	490586.72	3861085.12	5.22998	6.02019	8.28522	4.69001	23.16909	3.18637	6.04185	6.02019	5.36E+01	2.71E+00	2.10E-04	2.43E-01	1.07E+01	4.41E-01	1.04E+01	9.98E+00	6.82E+01
967	490636.72	3861085.12	5.21993	6.07685	9.01871	4.8993	20.96846	3.33635	6.09604	6.07685	5.35E+01	2.73E+00	2.29E-04	2.54E-01	9.66E+00	4.61E-01	1.05E+01	1.01E+01	6.71E+01
968	490686.72	3861085.12	5.21628	6.12544	9.05139	5.10856	20.0122	3.48981	6.14514	6.12544	5.35E+01	2.76E+00	2.30E-04	2.64E-01	9.22E+00	4.82E-01	1.06E+01	1.01E+01	6.67E+01
969	490736.72	3861085.12	5.21959	6.17875	8.41009	5.30773	20.62946	3.6405	6.19216	6.17875	5.35E+01	2.78E+00	2.13E-04	2.75E-01	9.51E+00	5.03E-01	1.07E+01	1.02E+01	6.70E+01
970	490786.72	3861085.12	5.22967	6.22805	7.26208	5.4828	21.01185	3.78098	6.23427	6.22805	5.36E+01	2.80E+00	1.84E-04	2.84E-01	9.68E+00	5.23E-01	1.08E+01	1.03E+01	6.74E+01
971	490836.72	3861085.12	5.24628	6.28016	5.8514	5.62327	21.14891	3.90522	6.28581	6.28016	5.38E+01	2.83E+00	1.48E-04	2.91E-01	9.75E+00	5.40E-01	1.09E+01	1.04E+01	6.76E+01
972	490086.72	3861135.12	6.25089	5.23955	7.60093	5.11695	34.07306	3.6759	5.29218	5.23955	6.41E+01	2.36E+00	1.93E-04	2.65E-01	1.57E+01	5.08E-01	9.14E+00	8.68E+00	8.34E+01
973	490136.72	3861135.12	5.90428	5.30547	8.59355	5.07129	34.58027	3.68737	5.35722	5.30547	6.05E+01	2.39E+00	2.18E-04	2.63E-01	1.59E+01	5.10E-01	9.25E+00	8.79E+00	8.01E+01
974	490186.72	3861135.12	5.56136	5.37228	8.83305	5.02188	34.72493	3.68109	5.42507	5.37228	5.70E+01	2.42E+00	2.24E-04	2.60E-01	1.60E+01	5.09E-01	9.37E+00	8.90E+00	7.67E+01
975	490236.72	3861135.12	5.21946	5.44275	8.26737	4.95039	34.46035	3.65134	5.49654	5.44275	5.35E+01	2.45E+00	2.10E-04	2.56E-01	1.59E+01	5.05E-01	9.49E+00	9.02E+00	7.31E+01
976	490286.72	3861135.12	5.20175	5.52304	7.06402	4.85034	33.79161	3.59553	5.57493	5.52304	5.33E+01	2.49E+00	1.79E-04	2.51E-01	1.56E+01	4.97E-01	9.63E+00	9.15E+00	7.26E+01
977	490336.72	3861135.12	5.19625	5.60824	5.52876	4.71721	32.76167	3.51326	5.65695	5.60824	5.33E+01	2.52E+00	1.40E-04	2.44E-01	1.51E+01	4.86E-01	9.77E+00	9.29E+00	7.21E+01
978	490386.72	3861135.12	5.18743	5.68509	5.50092	4.56558	31.47293	3.409	5.73296	5.68509	5.32E+01	2.56E+00	1.40E-04	2.36E-01	1.45E+01	4.71E-01	9.90E+00	9.42E+00	7.14E+01
979	490436.72	3861135.12	5.17566	5.7673	5.4902	4.38901	29.91141	3.27961	5.81531	5.7673	5.31E+01	2.60E+00	1.39E-04	2.27E-01	1.38E+01	4.53E-01	1.00E+01	9.56E+00	7.06E+01
980	490486.72	3861135.12	5.16301	5.84583	5.91006	4.20464	28.16119	3.12989	5.89512	5.84583	5.29E+01	2.63E+00	1.50E-04	2.18E-01	1.30E+01	4.33E-01	1.02E+01	9.69E+00	6.97E+01
981	490536.72	3861135.12	5.15049	5.92792	7.06171	4.23793	26.24855	3.01115	5.97365	5.92792	5.28E+01	2.67E+00	1.79E-04	2.19E-01	1.21E+01	4.16E-01	1.03E+01	9.82E+00	6.87E+01
982	490586.72	3861135.12	5.13859	6.01296	7.70073	4.44595	24.20341	2.96596	6.05754	6.01296	5.27E+01	2.71E+00	1.95E-04	2.30E-01	1.12E+01	4.10E-01	1.05E+01	9.96E+00	6.77E+01
983	490636.72	3861135.12	5.12781	6.09977	8.5126	4.65114	22.07477	3.06963	6.14063	6.09977	5.26E+01	2.75E+00	2.16E-04	2.41E-01	1.02E+01	4.24E-01	1.06E+01	1.01E+01	6.67E+01
984	490686.72	3861135.12	5.12197	6.17994	8.91791	4.86278	19.97737	3.215	6.21916	6.17994	5.25E+01	2.78E+00	2.26E-04	2.52E-01	9.21E+00	4.44E-01	1.07E+01	1.02E+01	6.57E+01
985	490736.72	3861135.12	5.12094	6.25848	8.65531	5.06889	19.84468	3.36447	6.29371	6.25848	5.25E+01	2.82E+00	2.20E-04	2.62E-01	9.15E+00	4.65E-01	1.09E+01	1.04E+01	6.57E+01
986	490786.72	3861135.12	5.1248	6.3342	7.81081	5.25635	20.40108	3.51105	6.37106	6.3342	5.25E+01	2.85E+00	1.98E-04	2.72E-01	9.40E+00	4.85E-01	1.10E+01	1.05E+01	6.61E+01
987	490836.72	3861135.12	5.13365	6.40741	6.57921	5.41432	20.71462	3.64876	6.43984	6.40741	5.26E+01	2.88E+00	1.67E-04	2.80E-01	9.55E+00	5.04E-01	1.11E+01	1.06E+01	6.64E+01
988	490086.72	3861185.12	6.45056	4.99504	7.15414	5.04627	33.05674	3.58643	5.05015	4.99504	6.61E+01	2.25E+00	1.81E-04	2.61E-01	1.52E+01	4.96E-01	8.72E+00	8.28E+00	8.48E+01
989	490136.72	3861185.12	6.10366	5.08113	8.21886	4.98805	33.69506	3.60834	5.13776	5.08113	6.26E+01	2.29E+00	2.08E-04	2.58E-01	1.55E+01	4.99E-01	8.87E+00	8.42E+00	8.16E+01
990	490186.72	3861185.12	5.76278	5.15952	8.62219	4.93999	34.03586	3.61989	5.21693	5.15952	5.91E+01	2.32E+00	2.19E-04	2.56E-01	1.57E+01	5.00E-01	9.01E+00	8.55E+00	7.83E+01
991	490236.72	3861185.12	5.42585	5.23641	8.27223	4.88335	34.022	3.61439	5.29639	5.23641	5.56E+01	2.36E+00	2.10E-04	2.53E-01	1.57E+01	5.00E-01	9.14E+00	8.68E+00	7.49E+01
992	490286.72	3861185.12	5.09276	5.30624	7.28284	4.81459	33.68075	3.5907	5.36973	5.30624	5.22E+01	2.39E+00	1.85E-04	2.49E-01	1.55E+01	4.96E-01	9.27E+00	8.79E+00	7.14E+01
993	490336.72	3861185.12	5.04816	5.41317	5.86507	4.68613	32.802	3.53225	5.47172	5.41317	5.18E+01	2.44E+00	1.49E-04	2.43E-01	1.51E+01	4.88E-01	9.45E+00	8.97E+00	7.05E+01
994	490386.72	3861185.12	5.05459	5.49628	5.35453	4.55434	31.74213	3.45835	5.55646	5.49628	5.18E+01	2.47E+00	1.36E-04	2.36E-01	1.46E+01	4.78E-01	9.59E+00	9.11E+00	7.01E+01
995	490436.72	3861185.12	5.05655	5.57185	5.40235	4.40486	30.44277	3.36282	5.63459	5.57185	5.19E+01	2.51E+00	1.37E-04	2.28E-01	1.40E+01	4.65E-01	9.73E+00	9.23E+00	6.96E+01
996	490486.72	3861185.12	5.05338	5.665	5.3925	4.2274	28.84699	3.24009	5.72309	5.665	5.18E+01	2.55E+00	1.37E-04	2.19E-01	1.33E+01	4.48E-01	9.88E+00	9.39E+00	6.88E+01
997	490536.72	3861185.12	5.05035	5.73148	6.38019	4.06177	27.15818	3.10265	5.79307	5.73148	5.18E+01	2.58E+00	1.62E-04	2.10E-01	1.25E+01	4.29E-01	1.00E+01	9.50E+00	6.80E+01
998	490586.72	3861185.12	5.04241	5.83678	7.22332	4.22368	25.1998	2.98234	5.89803	5.83678	5.17E+01	2.63E+00	1.83E-04	2.19E-01	1.16E+01	4.12E-01	1.02E+01	9.67E+00	6.71E+01
999	490636.72	3861185.12	5.03293	5.94961	7.87132	4.41378	23.10978	2.929	6.0077	5.94961	5.16E+01	2.68E+00	2.00E-04	2.28E-01	1.06E+01	4.05E-01	1.04E+01	9.86E+00	6.61E+01

1000	490686.72	3861185.12	5.02721	6.04286	8.58298	4.6195	21.05963	2.964	6.10061	6.04286	5.15E+01	2.72E+00	2.18E-04	2.39E-01	9.71E+00	4.10E-01	1.05E+01	1.00E+01	6.51E+01
1001	490736.72	3861185.12	5.02589	6.13587	8.68672	4.83249	19.05483	3.10427	6.19196	6.13587	5.15E+01	2.76E+00	2.20E-04	2.50E-01	8.78E+00	4.29E-01	1.07E+01	1.02E+01	6.43E+01
1002	490786.72	3861185.12	5.02715	6.23137	8.1779	5.03059	19.67837	3.24744	6.2855	6.23137	5.15E+01	2.80E+00	2.07E-04	2.60E-01	9.07E+00	4.49E-01	1.09E+01	1.03E+01	6.47E+01
1003	490836.72	3861185.12	5.03172	6.32698	7.18883	5.2051	20.17171	3.38872	6.38261	6.32698	5.16E+01	2.85E+00	1.82E-04	2.69E-01	9.30E+00	4.68E-01	1.10E+01	1.05E+01	6.50E+01
1004	490086.72	3861235.12	6.64336	4.72637	6.71557	4.97353	31.94223	3.52112	4.7729	4.72637	6.81E+01	2.13E+00	1.70E-04	2.57E-01	1.47E+01	4.87E-01	8.24E+00	7.83E+00	8.61E+01
1005	490136.72	3861235.12	6.30166	4.78684	7.84597	4.92074	32.78788	3.52092	4.8328	4.78684	6.46E+01	2.15E+00	1.99E-04	2.55E-01	1.51E+01	4.87E-01	8.34E+00	7.93E+00	8.30E+01
1006	490186.72	3861235.12	5.96559	4.84973	8.39566	4.87856	33.34067	3.54764	4.90213	4.84973	6.12E+01	2.18E+00	2.13E-04	2.53E-01	1.54E+01	4.90E-01	8.46E+00	8.04E+00	7.99E+01
1007	490236.72	3861235.12	5.6281	4.93477	8.22627	4.81647	33.47061	3.55593	4.99355	4.93477	5.77E+01	2.22E+00	2.09E-04	2.49E-01	1.54E+01	4.92E-01	8.62E+00	8.18E+00	7.65E+01
1008	490386.72	3861235.12	4.89397	5.20455	5.17401	4.53545	31.87871	3.47482	5.26725	5.20455	5.02E+01	2.34E+00	1.31E-04	2.35E-01	1.47E+01	4.80E-01	9.09E+00	8.62E+00	6.84E+01
1009	490436.72	3861235.12	4.91087	5.29878	5.24936	4.38993	30.71263	3.40319	5.36372	5.29878	5.04E+01	2.38E+00	1.33E-04	2.27E-01	1.42E+01	4.70E-01	9.26E+00	8.78E+00	6.81E+01
1010	490486.72	3861235.12	4.92148	5.39194	5.2869	4.2278	29.31738	3.30992	5.45697	5.39194	5.05E+01	2.43E+00	1.34E-04	2.19E-01	1.35E+01	4.58E-01	9.42E+00	8.93E+00	6.76E+01
1011	490536.72	3861235.12	4.93034	5.45707	5.64089	4.08137	27.85424	3.2046	5.52381	5.45707	5.06E+01	2.46E+00	1.43E-04	2.11E-01	1.28E+01	4.43E-01	9.54E+00	9.04E+00	6.70E+01
1012	490586.72	3861235.12	4.93473	5.52802	6.67625	4.02	26.13963	3.07305	5.60129	5.52802	5.06E+01	2.49E+00	1.69E-04	2.08E-01	1.20E+01	4.25E-01	9.67E+00	9.16E+00	6.63E+01
1013	490636.72	3861235.12	4.92967	5.67525	7.16411	4.18974	24.07111	2.93865	5.74297	5.67525	5.05E+01	2.55E+00	1.82E-04	2.17E-01	1.11E+01	4.06E-01	9.92E+00	9.40E+00	6.53E+01
1014	490686.72	3861235.12	4.92825	5.77726	8.09509	4.38988	22.09828	2.89607	5.84471	5.77726	5.05E+01	2.60E+00	2.05E-04	2.27E-01	1.02E+01	4.00E-01	1.01E+01	9.57E+00	6.45E+01
1015	490736.72	3861235.12	4.92862	5.87163	8.5194	4.59992	20.13774	2.87098	5.94067	5.87163	5.05E+01	2.64E+00	2.16E-04	2.38E-01	9.28E+00	3.97E-01	1.03E+01	9.73E+00	6.36E+01
1016	490786.72	3861235.12	4.93076	5.96979	8.35207	4.80585	18.85179	3.00273	6.03881	5.96979	5.06E+01	2.69E+00	2.12E-04	2.49E-01	8.69E+00	4.15E-01	1.04E+01	9.89E+00	6.31E+01
1017	490836.72	3861235.12	4.93361	6.07831	7.64565	4.99004	19.50186	3.13712	6.14667	6.07831	5.06E+01	2.74E+00	1.94E-04	2.58E-01	8.99E+00	4.34E-01	1.06E+01	1.01E+01	6.35E+01
1018	490086.72	3861285.12	6.83531	4.51944	6.30377	4.92042	30.8285	3.62322	4.56926	4.51944	7.01E+01	2.03E+00	1.60E-04	2.55E-01	1.42E+01	5.01E-01	7.89E+00	7.49E+00	8.75E+01
1019	490136.72	3861285.12	6.50402	4.5816	7.49301	4.88558	31.93151	3.45245	4.63025	4.5816	6.67E+01	2.06E+00	1.90E-04	2.53E-01	1.47E+01	4.77E-01	7.99E+00	7.59E+00	8.46E+01
1020	490186.72	3861285.12	6.16478	4.64938	8.14305	4.82322	32.56602	3.46499	4.69856	4.64938	6.32E+01	2.09E+00	2.07E-04	2.50E-01	1.50E+01	4.79E-01	8.11E+00	7.70E+00	8.15E+01
1021	490236.72	3861285.12	5.83145	4.7147	8.14958	4.76803	32.91219	3.48748	4.76593	4.7147	5.98E+01	2.12E+00	2.07E-04	2.47E-01	1.52E+01	4.82E-01	8.23E+00	7.81E+00	7.82E+01
1022	490386.72	3861285.12	4.84677	4.91698	5.06549	4.52253	31.94938	3.46737	4.96902	4.91698	4.97E+01	2.21E+00	1.29E-04	2.34E-01	1.47E+01	4.79E-01	8.58E+00	8.15E+00	6.78E+01
1023	490436.72	3861285.12	4.73961	4.98608	5.09544	4.40222	31.03996	3.42512	5.0396	4.98608	4.86E+01	2.24E+00	1.29E-04	2.28E-01	1.43E+01	4.74E-01	8.70E+00	8.26E+00	6.63E+01
1024	490486.72	3861285.12	4.76731	5.05695	5.16545	4.24775	29.79537	3.35662	5.1091	5.05695	4.89E+01	2.28E+00	1.31E-04	2.20E-01	1.37E+01	4.64E-01	8.82E+00	8.38E+00	6.60E+01
1025	490536.72	3861285.12	4.78785	5.12967	5.20409	4.086	28.36567	3.26931	5.18249	5.12967	4.91E+01	2.31E+00	1.32E-04	2.12E-01	1.31E+01	4.52E-01	8.95E+00	8.50E+00	6.56E+01
1026	490586.72	3861285.12	4.80322	5.20633	5.99502	3.92203	26.77054	3.16218	5.27405	5.20633	4.93E+01	2.34E+00	1.52E-04	2.03E-01	1.23E+01	4.37E-01	9.11E+00	8.63E+00	6.51E+01
1027	490636.72	3861285.12	4.81093	5.32433	6.71297	3.9733	24.91493	3.02632	5.39479	5.32433	4.93E+01	2.40E+00	1.70E-04	2.06E-01	1.15E+01	4.18E-01	9.31E+00	8.82E+00	6.43E+01
1028	490686.72	3861285.12	4.81749	5.42676	7.48885	4.16652	23.04274	2.8995	5.50006	5.42676	4.94E+01	2.44E+00	1.90E-04	2.16E-01	1.06E+01	4.01E-01	9.50E+00	8.99E+00	6.36E+01
1029	490736.72	3861285.12	4.825	5.5095	8.18868	4.38047	21.19317	2.87076	5.58189	5.5095	4.95E+01	2.48E+00	2.08E-04	2.27E-01	9.77E+00	3.97E-01	9.64E+00	9.13E+00	6.29E+01
1030	490786.72	3861285.12	4.82899	5.62061	8.32879	4.57634	19.24187	2.83548	5.6947	5.62061	4.95E+01	2.53E+00	2.11E-04	2.37E-01	8.87E+00	3.92E-01	9.83E+00	9.31E+00	6.21E+01
1031	490836.72	3861285.12	4.83181	5.73758	7.91845	4.75793	18.66929	2.90069	5.81656	5.73758	4.95E+01	2.58E+00	2.01E-04	2.46E-01	8.60E+00	4.01E-01	1.00E+01	9.51E+00	6.19E+01
1032	490061.24	3859716.13	10.16115	12.1368	31.31858	14.27041	25.34139	9.9469	10.3029	12.1368	1.04E+02	5.46E+00	7.94E-04	7.39E-01	1.17E+01	1.38E+00	1.78E+01	2.01E+01	1.21E+02
1033	490111.24	3859716.13	10.5965	14.87002	33.38324	14.98386	22.53155	10.8124	12.4649	14.87002	1.09E+02	6.69E+00	8.47E-04	7.76E-01	1.04E+01	1.49E+00	2.15E+01	2.46E+01	1.25E+02
1034	490161.24	3859716.13	11.1693	18.50487	28.99555	16.67559	19.71244	11.72772	15.516	18.50487	1.15E+02	8.33E+00	7.36E-04	8.63E-01	9.08E+00	1.62E+00	2.68E+01	3.07E+01	1.31E+02
1035	490211.24	3859716.13	11.891	22.513	36.79953	18.12438	16.98003	12.66687	18.8096	22.513	1.22E+02	1.01E+01	9.34E-04	9.38E-01	7.83E+00	1.75E+00	3.25E+01	3.73E+01	1.38E+02
1036	490061.24	3859766.13	9.51856	9.68428	27.28918	12.82125	27.14062	9.18597	9.43664	9.68428	9.76E+01	4.36E+00	6.92E-04	6.64E-01	1.25E+01	1.27E+00	1.63E+01	1.60E+01	1.17E+02
1037	490111.24	3859766.13	9.75916	10.72621	28.25965	13.44521	24.43556	9.51848	9.66522	10.72621	1.00E+02	4.83E+00	7.17E-04	6.96E-01	1.13E+01	1.32E+00	1.67E+01	1.78E+01	1.17E+02
1038	490161.24	3859766.13	10.08111	12.47285	30.21858	14.26141	21.65831	9.97104	10.478	12.47285	1.03E+02	5.61E+00	7.67E-04	7.38E-01	9.98E+00	1.38E+00	1.81E+01	2.07E+01	1.19E+02
1039	490211.24	3859766.13	10.50761	15.08899	28.14882	15.64684	18.94333	10.55643	12.837	15.08899	1.08E+02	6.79E+00	7.14E-04	8.10E-01	8.73E+00	1.46E+00	2.22E+01	2.50E+01	1.23E+02
1040	490061.24	3859816.13	9.12114	8.18219	26.48586	12.22756	28.65039	8.61634	8.72237	8.18219	9.35E+01	3.68E+00	6.72E-04	6.33E-01	1.32E+01	1.19E+00	1.51E+01	1.36E+01	1.14E+02
1041	490111.24	3859816.13	9.2399	8.91211	25.83548	12.1874	26.13329	8.97185	8.92171	8.91211	9.47E+01	4.01E+00	6.55E-04	6.31E-01	1.20E+01	1.24E+00	1.54E+01	1.48E+01	1.13E+02
1042	490161.24	3859816.13	9.42221	9.77368	26.86246	12.42791	23.509	9.36484	9.09445	9.77368	9.66E+01	4.40E+00	6.81E-04	6.43E-01	1.08E+01	1.29E+00	1.57E+01	1.62E+01	1.13E+02
1043	490211.24	3859816.13	9.67141	10.80878	27.10197	13.12912	20.84029	9.78337	9.25446	10.80878	9.92E+01	4.86E+00	6.88E-04	6.80E-01	9.60E+00	1.35E+00	1.60E+01	1.79E+01	1.14E+02
1044	490061.24	3859866.13	8.85231	7.04035	24.36746	11.72127	29.8482	7.69005	7.98479	7.04035	9.08E+01	3.17E+00	6.18E-04	6.07E-01	1.38E+01	1.06E+00	1.38E+01	1.17E+01	1.11E+02
1045	490111.24	3859866.13	8.90628	7.62032	24.35659	11.66945	27.63114	8.00396	8.28872	7.62032	9.13E+01	3.43E+00	6.18E-04	6.04E-01	1.27E+01	1.11E+00	1.43E+01	1.26E+01	1.11E+02
1046	490161.24	3859866.13	9.00104	8.26853	24.27382	11.63967	25.21451	8.34513	8.49129	8.26853	9.23E+01	3.72E+00	6.16E-04	6.03E-01	1.16E+01	1.15E+00	1.47E+01	1.37E+01	1.10E+02
1047	490211.24	3859866.13	9.14326	9.00925	25.44142	11.89954	22.67457	8.7145	8.63787	9.00925	9.38E+01	4.05E+00	6.45E-04	6.16E-01	1.04E+01	1.20E+00	1.49E+01	1.49E+01	1.10E+02
1048	490061.24	3859916.13	8.65442	6.10647	19.6794	11.22201	30.70405	6.80745	7.17132	6.10647	8.87E+01	2.75E+00	4.99E-04	5.81E-01	1.41E+01	9.41E-01	1.24E+01	1.01E+01	1.09E+02
1049	490111.24	3859916.13	8.67214	6.60065	23.30852	11.232	28.85047	7.02341	7.60685	6.60065	8.89E+01	2.97E+00	5.91E-04	5.81E-01	1.33E+01	9.71E-01	1.31E+01	1.09E+01	1.09E+02
1050	490161.24	3859916.13	8.71325	7.1285	22.0748	11.17162	26.68165	7.28005	7.90705	7.1285	8.93E+01	3.21E+00	5.60E-04	5.78E-01	1.23E+01	1.01E+00	1.37E+01	1.18E+01	1.08E+02
1051	490211.24	3859916.13	8.78361	7.70198	22.4985	11.10193	24.30281	7.55375	8.09488	7.70198	9.01E+01	3.47E+00	5.71E-04	5.75E-01	1.12E+01	1.04E+00	1.40E+01	1.28E+01	1.08E+02
1052	490229.25	3859815.26	9.79627	11.44362	27.77452	13.79774	19.87746	9.97389	9.71549	11.44362	1.00E+02	5.15E+00	7.05E-04	7.14E-01	9.16E+00	1.38E+00	1.68E+01	1.90E+01	1.15E+02
1053	490279.25	3859815.26	10.15179	13.56894	25.49733	15.2756	17.27393	10.42497	11.6331	13.56894	1.04E+02	6.11E+00	6.47E-04	7.91E-01	7.96E+00	1.44E+00	2.01E+01	2.25E+01	1.18E+02
1054	490329.25	3859815.26	10.58233	15.90474	27.56604	16.30749	15.41098	10.90802	13.2379	15.90474	1.09E+02	7.16E+00	6.99E-04	8.44E-01	7.10E+00	1.51E+00	2.29E+01	2.64E+01	1.22E+02
1055	490379.25	3859815.26	11.07414	18.41345	30.84255	16.78454	15.9995	11.53268	15.0331	18.41345	1.14E+02	8.29E+00	7.82E-04	8.69E-01	7.37E+00	1.59E+00	2.60E+01	3.05E+01	1.27E+02
1056	490429.25	3859815.26	11.59108	21.11311	31.22699	17.73891	16.35983	12.37524	18.1139	21.11311	1.19E+02	9.50E+00	7.92E-04	9.18E-01	7.54E+00	1.71E+00	3.13E+01	3.50E+01	1.35E+02
1057	490229.25	3859865.26	9.21554	9.3332	25.12707	12.1821	21.71674	8.8767	8.6916	9.3332	9.45E+01	4.20E+00	6.37E-04	6.31E-01	1.00E+01	1.23E+00	1.50E+01	1.55E+01	1.10E+02
1058	490279.25	3859865.26	9.43163	10.23025	25.13067	13.03721	19.13157	9.28462	8.72465	10.23025	9.67E+01	4.60E+00	6.38E-04	6.75E-01	8.82E+00	1.28E+00	1.51E+01	1.70E+01	1.10E+02

1059	490329.25	3859865.26	9.70956	11.57624	24.109	14.42395	16.62543	9.7252	10.0091	11.57624	9.96E+01	5.21E+00	6.12E-04	7.47E-01	7.66E+00	1.34E+00	1.73E+01	1.92E+01	1.13E+02
1060	490379.25	3859865.26	10.05333	13.50288	26.55994	15.42613	15.04323	10.24167	11.5099	13.50288	1.03E+02	6.08E+00	6.74E-04	7.99E-01	6.93E+00	1.42E+00	1.99E+01	2.24E+01	1.16E+02
1061	490429.25	3859865.26	10.44476	15.54597	26.88234	15.88254	15.62255	10.85346	12.6771	15.54597	1.07E+02	7.00E+00	6.82E-04	8.22E-01	7.20E+00	1.50E+00	2.19E+01	2.58E+01	1.20E+02
1062	490229.25	3859915.26	8.8257	7.94825	22.51289	11.10043	23.40267	7.67815	8.15852	7.94825	9.05E+01	3.58E+00	5.71E-04	5.75E-01	1.08E+01	1.06E+00	1.41E+01	1.32E+01	1.07E+02
1063	490279.25	3859915.26	8.94775	8.61101	23.4762	11.65738	20.88203	7.97398	8.23653	8.61101	9.18E+01	3.88E+00	5.96E-04	6.03E-01	9.62E+00	1.10E+00	1.42E+01	1.43E+01	1.07E+02
1064	490329.25	3859915.26	9.12054	9.36471	22.6333	12.33384	18.40062	8.29716	8.22816	9.36471	9.35E+01	4.21E+00	5.74E-04	6.38E-01	8.48E+00	1.15E+00	1.42E+01	1.55E+01	1.07E+02
1065	490379.25	3859915.26	9.3461	10.16478	22.61564	13.6576	16.01147	8.65492	8.70701	10.16478	9.58E+01	4.57E+00	5.74E-04	7.07E-01	7.38E+00	1.20E+00	1.50E+01	1.68E+01	1.08E+02
1066	490429.25	3859915.26	9.6196	11.59978	24.88744	14.59631	14.6678	9.04218	10.0546	11.59978	9.86E+01	5.22E+00	6.31E-04	7.56E-01	6.76E+00	1.25E+00	1.74E+01	1.92E+01	1.11E+02
1067	490451.43	3859872.59	10.47895	15.74633	26.814	15.75612	15.68262	10.84518	12.6909	15.74633	1.07E+02	7.09E+00	6.80E-04	8.16E-01	7.23E+00	1.50E+00	2.19E+01	2.61E+01	1.20E+02
1068	490501.43	3859872.59	10.89225	17.83195	28.4696	15.58244	15.97	11.62717	14.7738	17.83195	1.12E+02	8.03E+00	7.22E-04	8.07E-01	7.36E+00	1.61E+00	2.55E+01	2.95E+01	1.25E+02
1069	490551.43	3859872.59	11.32768	20.21373	27.76166	15.40676	16.0561	12.64581	17.4546	20.21373	1.16E+02	9.10E+00	7.04E-04	7.98E-01	7.40E+00	1.75E+00	3.01E+01	3.35E+01	1.32E+02
1070	490601.43	3859872.59	11.77083	22.92157	24.96979	17.36871	15.89572	13.90594	20.3786	22.92157	1.21E+02	1.03E+01	6.33E-04	8.99E-01	7.33E+00	1.92E+00	3.52E+01	3.80E+01	1.38E+02
1071	490451.43	3859922.59	9.65026	11.83686	25.25713	14.66836	14.80299	8.99338	10.2199	11.83686	9.90E+01	5.33E+00	6.41E-04	7.59E-01	6.82E+00	1.24E+00	1.76E+01	1.96E+01	1.11E+02
1072	490501.43	3859922.59	9.9708	13.52229	26.06111	14.97014	15.31522	9.44883	11.2631	13.52229	1.02E+02	6.09E+00	6.61E-04	7.75E-01	7.06E+00	1.31E+00	1.94E+01	2.24E+01	1.15E+02
1073	490551.43	3859922.59	10.32614	15.35509	25.7732	14.85392	15.6317	10.02518	12.1988	15.35509	1.06E+02	6.91E+00	6.54E-04	7.69E-01	7.20E+00	1.39E+00	2.11E+01	2.54E+01	1.18E+02
1074	490601.43	3859922.59	10.69648	17.29225	26.72588	14.6583	15.73212	10.67608	14.422	17.29225	1.10E+02	7.78E+00	6.78E-04	7.59E-01	7.25E+00	1.48E+00	2.49E+01	2.87E+01	1.23E+02
1075	482129.67	3852241.07	7.55162	13.22163	5.90191	3.22107	6.92444	3.46026	13.3126	13.22163	7.74E+01	5.95E+00	1.50E-04	1.67E-01	3.19E+00	4.78E-01	2.30E+01	2.19E+01	8.83E+01
1076	482029.67	3852291.07	8.27619	16.2367	6.31176	3.44568	7.82282	3.82244	16.3643	16.2367	8.49E+01	7.31E+00	1.60E-04	1.78E-01	3.61E+00	5.28E-01	2.83E+01	2.69E+01	9.78E+01
1077	482079.67	3852291.07	8.17914	14.99952	5.94193	3.33006	7.62104	3.68478	15.1142	14.99952	8.39E+01	6.75E+00	1.51E-04	1.72E-01	3.51E+00	5.09E-01	2.61E+01	2.49E+01	9.61E+01
1078	482129.67	3852291.07	7.91186	13.95106	5.84943	3.25701	7.36615	3.56826	14.0591	13.95106	8.11E+01	6.28E+00	1.48E-04	1.69E-01	3.39E+00	4.93E-01	2.43E+01	2.31E+01	9.26E+01
1079	482179.67	3852291.07	7.48632	12.95988	5.98274	3.24866	7.06592	3.52443	13.0583	12.95988	7.68E+01	5.83E+00	1.52E-04	1.68E-01	3.26E+00	4.87E-01	2.25E+01	2.15E+01	8.76E+01
1080	482229.67	3852291.07	7.00685	12.16046	6.27606	3.30761	6.72326	3.5899	12.2618	12.16046	7.18E+01	5.47E+00	1.59E-04	1.71E-01	3.10E+00	4.96E-01	2.12E+01	2.01E+01	8.21E+01
1081	482029.67	3852341.07	8.47042	17.86487	6.74751	3.58773	8.07336	3.98448	17.5496	17.86487	8.69E+01	8.04E+00	1.71E-04	1.86E-01	3.72E+00	5.51E-01	3.03E+01	2.96E+01	1.00E+02
1082	482079.67	3852341.07	8.44167	15.80964	6.15768	3.45728	7.94358	3.83241	15.9364	15.80964	8.66E+01	7.12E+00	1.56E-04	1.79E-01	3.66E+00	5.30E-01	2.75E+01	2.62E+01	9.94E+01
1083	482129.67	3852341.07	8.26118	14.63927	5.90307	3.33618	7.74973	3.69382	14.759	14.63927	8.47E+01	6.59E+00	1.50E-04	1.73E-01	3.57E+00	5.11E-01	2.55E+01	2.43E+01	9.68E+01
1084	482179.67	3852341.07	7.88281	13.62562	5.90719	3.27057	7.50355	3.57925	13.7369	13.62562	8.08E+01	6.13E+00	1.50E-04	1.69E-01	3.46E+00	4.95E-01	2.37E+01	2.26E+01	9.22E+01
1085	482259.06	3852400.14	7.4423	12.95859	6.37268	3.22876	7.5183	3.7581	13.0661	12.95859	7.63E+01	5.83E+00	1.62E-04	1.67E-01	3.46E+00	5.20E-01	2.26E+01	2.15E+01	8.74E+01
1086	482309.06	3852400.14	6.88451	12.16831	6.61044	3.30105	7.22925	3.8351	12.2722	12.16831	7.06E+01	5.48E+00	1.68E-04	1.71E-01	3.33E+00	5.30E-01	2.12E+01	2.02E+01	8.11E+01
1087	482209.06	3852450.14	8.5362	14.89218	6.20149	3.37606	8.11578	3.77654	15.3486	14.89218	8.75E+01	6.70E+00	1.57E-04	1.75E-01	3.74E+00	5.22E-01	2.65E+01	2.47E+01	1.00E+02
1088	482259.06	3852450.14	7.9619	13.41018	6.25238	3.27842	7.92038	3.73591	13.5234	13.41018	8.16E+01	6.04E+00	1.59E-04	1.70E-01	3.65E+00	5.16E-01	2.33E+01	2.22E+01	9.31E+01
1089	482309.06	3852450.14	7.29853	12.71098	6.45411	3.27545	7.68308	3.86511	12.827	12.71098	7.48E+01	5.72E+00	1.64E-04	1.70E-01	3.54E+00	5.34E-01	2.21E+01	2.11E+01	8.59E+01
1090	482209.06	3852500.14	9.01295	17.44771	6.28383	3.54405	8.37461	3.93645	17.6043	17.44771	9.24E+01	7.85E+00	1.59E-04	1.83E-01	3.86E+00	5.44E-01	3.04E+01	2.89E+01	1.06E+02
1091	482259.06	3852500.14	8.53874	14.39732	6.16211	3.39207	8.25555	3.78816	15.1745	14.39732	8.76E+01	6.48E+00	1.56E-04	1.76E-01	3.80E+00	5.24E-01	2.62E+01	2.39E+01	1.01E+02
1092	482309.06	3852500.14	7.82516	13.24473	6.30042	3.30792	8.0772	3.86947	13.3598	13.24473	8.02E+01	5.96E+00	1.60E-04	1.71E-01	3.72E+00	5.35E-01	2.31E+01	2.19E+01	9.17E+01
1093	482283.91	3852513.62	8.36339	13.82906	6.19521	3.36799	8.25669	3.77141	14.2036	13.82906	8.58E+01	6.22E+00	1.57E-04	1.74E-01	3.81E+00	5.21E-01	2.45E+01	2.29E+01	9.81E+01
1094	482333.91	3852513.62	7.58255	12.9804	6.4519	3.29483	8.06044	3.93617	13.0944	12.9804	7.78E+01	5.84E+00	1.64E-04	1.71E-01	3.71E+00	5.44E-01	2.26E+01	2.15E+01	8.91E+01
1095	482283.91	3852563.62	8.99549	16.54474	6.22571	3.52019	8.50874	3.90813	17.3827	16.54474	9.22E+01	7.45E+00	1.58E-04	1.82E-01	3.92E+00	5.40E-01	3.00E+01	2.74E+01	1.07E+02
1096	482333.91	3852563.62	8.1942	13.52946	6.3712	3.3621	8.38277	3.91566	13.6443	13.52946	8.40E+01	6.09E+00	1.62E-04	1.74E-01	3.86E+00	5.41E-01	2.36E+01	2.24E+01	9.58E+01
1097	482383.91	3852563.62	7.31055	12.6615	6.73036	3.28451	8.1849	4.06556	12.7727	12.6615	7.50E+01	5.70E+00	1.71E-04	1.70E-01	3.77E+00	5.62E-01	2.21E+01	2.10E+01	8.62E+01
1098	482283.91	3852613.62	9.63138	19.87973	6.14652	3.74877	8.69648	4.09976	20.4498	19.87973	9.88E+01	8.95E+00	1.56E-04	1.94E-01	4.01E+00	5.67E-01	3.53E+01	3.29E+01	1.15E+02
1099	482333.91	3852613.62	8.93179	15.87892	6.26854	3.58407	8.63778	3.9157	17.0235	15.87892	9.16E+01	7.15E+00	1.59E-04	1.86E-01	3.98E+00	5.41E-01	2.94E+01	2.63E+01	1.07E+02
1100	482383.91	3852613.62	7.94259	13.2474	6.59183	3.38417	8.50883	4.05667	13.3582	13.2474	8.14E+01	5.96E+00	1.67E-04	1.75E-01	3.92E+00	5.61E-01	2.31E+01	2.20E+01	9.32E+01
1101	482602.38	3852600.87	6.04759	10.28926	8.79789	4.26401	7.11502	4.06275	10.2486	10.28926	6.20E+01	4.63E+00	2.23E-04	2.21E-01	3.28E+00	5.62E-01	1.77E+01	1.70E+01	7.14E+01
1102	482652.38	3852600.87	6.00749	9.67131	7.12856	4.09458	6.66633	4.04441	9.7889	9.67131	6.16E+01	4.35E+00	1.81E-04	2.12E-01	3.07E+00	5.59E-01	1.69E+01	1.60E+01	7.07E+01
1103	482702.38	3852600.87	6.05756	9.95516	6.71985	4.21722	6.19835	3.98075	10.065	9.95516	6.21E+01	4.48E+00	1.70E-04	2.18E-01	2.86E+00	5.50E-01	1.74E+01	1.65E+01	7.11E+01
1104	482552.38	3852650.87	6.20399	11.12129	9.77663	4.35853	8.025	4.23376	11.2243	11.12129	6.36E+01	5.01E+00	2.48E-04	2.26E-01	3.70E+00	5.85E-01	1.94E+01	1.84E+01	7.41E+01
1105	482602.38	3852650.87	6.09736	10.52638	9.38597	4.39389	7.67345	4.17974	10.597	10.52638	6.25E+01	4.74E+00	2.38E-04	2.27E-01	3.54E+00	5.78E-01	1.83E+01	1.74E+01	7.25E+01
1106	482652.38	3852650.87	6.03321	10.04074	7.93926	4.24302	7.26308	4.1375	10.15	10.04074	6.19E+01	4.52E+00	2.01E-04	2.20E-01	3.35E+00	5.72E-01	1.75E+01	1.66E+01	7.14E+01
1107	482702.38	3852650.87	5.98336	9.58757	6.62141	4.03505	6.80943	4.11676	9.70088	9.58757	6.14E+01	4.31E+00	1.68E-04	2.09E-01	3.14E+00	5.69E-01	1.67E+01	1.59E+01	7.04E+01
1108	482552.38	3852700.87	6.36621	11.63153	9.89583	4.33027	8.47109	4.34476	11.7463	11.63153	6.53E+01	5.23E+00	2.51E-04	2.24E-01	3.90E+00	6.01E-01	2.03E+01	1.93E+01	7.63E+01
1109	482602.38	3852700.87	6.16357	11.04043	9.84493	4.47573	8.17667	4.28975	11.15	11.04043	6.32E+01	4.97E+00	2.50E-04	2.32E-01	3.77E+00	5.93E-01	1.93E+01	1.83E+01	7.37E+01
1110	482652.38	3852700.87	6.03654	10.58801	8.71747	4.32455	7.79517	4.24869	10.695	10.58801	6.19E+01	4.77E+00	2.21E-04	2.24E-01	3.59E+00	5.87E-01	1.85E+01	1.75E+01	7.20E+01
1111	482702.38	3852700.87	5.99037	10.04687	7.10655	4.15161	7.39771	4.21712	10.1577	10.04687	6.14E+01	4.52E+00	1.80E-04	2.15E-01	3.41E+00	5.83E-01	1.75E+01	1.66E+01	7.10E+01
1112	482452.38	3852750.87	8.70324	14.70514	6.85412	3.84727	9.01429	4.2365	14.8117	14.70514	8.92E+01	6.62E+00	1.74E-04	1.99E-01	4.15E+00	5.86E-01	2.56E+01	2.44E+01	1.02E+02
1113	482521.29	3852749.74	7.04986	12.78799	9.18574	3.77022	8.9139	4.42062	12.844	12.78799	7.23E+01	5.76E+00	2.33E-04	1.95E-01	4.11E+00	6.11E-01	2.22E+01	2.12E+01	8.39E+01
1114	482571.29	3852749.74	6.43392	12.30701	10.11977	4.34507	8.74438	4.42408	11.9461	12.30701	6.60E+01	5.54E+00	2.57E-04	2.25E-01	4.03E+00	6.12E-01	2.06E+01	2.04E+01	7.66E+01
1115	482521.29	3852799.74	7.73425	13.79199	8.90734	3.83762	9.11981	4.45066	13.8955	13.79199	7.93E+01	6.21E+00	2.26E-04	1.99E-01	4.20E+00	6.15E-01	2.40E+01	2.29E+01	9.17E+01
1116	482571.29	3852799.74	6.70964	13.74502	10.12157	4.1484	9.04133	4.50733	12.6159	13.74502	6.88E+01	6.19E+00	2.57E-04	2.15E-01	4.17E+00	6.23E-01	2.18E+01	2.28E+01	7.90E+01
1117	482621.29	3852799.74	6.37431	12.40537	10.36353	4.56474	8.88577	4.47134	11.7233	12.40537	6.54E+01	5.58E+00	2.63E-04	2.36E-01	4.09E+00	6.18E-01	2.02E+01	2.06E+01	7.56E+01

1118	482571.29	3852849.74	7.25931	15.36807	10.06571	3.91652	9.25286	4.58125	13.7007	15.36807	7.44E+01	6.92E+00	2.55E-04	2.03E-01	4.26E+00	6.33E-01	2.37E+01	2.55E+01	8.46E+01
1119	482621.29	3852849.74	6.69294	13.56242	10.68359	4.53215	9.19607	4.58526	12.4227	13.56242	6.86E+01	6.10E+00	2.71E-04	2.35E-01	4.24E+00	6.34E-01	2.14E+01	2.25E+01	7.88E+01
1120	482577.42	3852901.55	8.02426	17.25093	10.08891	4.15327	9.37492	4.65025	15.2452	17.25093	8.23E+01	7.76E+00	2.56E-04	2.15E-01	4.32E+00	6.43E-01	2.63E+01	2.86E+01	9.30E+01
1121	482627.42	3852901.55	7.02821	14.78968	10.96538	4.44862	9.41266	4.70389	13.3584	14.78968	7.21E+01	6.66E+00	2.78E-04	2.30E-01	4.34E+00	6.50E-01	2.31E+01	2.45E+01	8.25E+01
1122	482629.96	3852955.85	7.46198	16.56742	11.13852	4.26643	9.51282	4.81121	15.0571	16.56742	7.65E+01	7.46E+00	2.83E-04	2.21E-01	4.38E+00	6.65E-01	2.60E+01	2.75E+01	8.78E+01
1123	482679.96	3852955.85	6.77644	14.18387	11.12187	4.88829	9.56732	4.78577	13.1484	14.18387	6.95E+01	6.38E+00	2.82E-04	2.53E-01	4.41E+00	6.62E-01	2.27E+01	2.35E+01	8.04E+01
1124	482781.63	3853034.48	6.64095	11.97885	8.6803	5.4043	9.81385	4.79032	12.0936	11.97885	6.81E+01	5.39E+00	2.20E-04	2.80E-01	4.52E+00	6.62E-01	2.09E+01	1.98E+01	8.00E+01
1125	482831.63	3853034.48	6.56451	10.94691	9.52892	5.17478	9.76659	4.66965	11.0703	10.94691	6.73E+01	4.93E+00	2.42E-04	2.68E-01	4.50E+00	6.46E-01	1.91E+01	1.81E+01	7.86E+01
1126	482881.63	3853034.48	6.4657	10.41181	11.09786	4.83672	9.62194	4.59471	10.5544	10.41181	6.63E+01	4.69E+00	2.82E-04	2.50E-01	4.43E+00	6.35E-01	1.82E+01	1.73E+01	7.73E+01
1127	482781.63	3853084.48	6.77596	12.99123	9.67633	5.58665	9.90278	4.96366	13.1505	12.99123	6.95E+01	5.85E+00	2.45E-04	2.89E-01	4.56E+00	6.86E-01	2.27E+01	2.15E+01	8.20E+01
1128	482831.63	3853084.48	6.70322	11.66314	9.25295	5.49059	9.96806	4.81262	11.7958	11.66314	6.87E+01	5.25E+00	2.35E-04	2.84E-01	4.59E+00	6.65E-01	2.04E+01	1.93E+01	8.06E+01
1129	482881.63	3853084.48	6.60802	10.82453	11.01872	5.14172	9.92979	4.70516	10.9604	10.82453	6.78E+01	4.87E+00	2.80E-04	2.66E-01	4.58E+00	6.50E-01	1.89E+01	1.79E+01	7.91E+01
1130	482781.63	3853134.48	6.91283	12.99552	10.66962	5.61147	9.85434	5.15519	13.2622	12.99552	7.09E+01	5.85E+00	2.71E-04	2.90E-01	4.54E+00	7.13E-01	2.29E+01	2.15E+01	8.36E+01
1131	482831.63	3853134.48	6.83786	12.11558	8.99013	5.76189	10.03312	4.97867	12.3193	12.11558	7.01E+01	5.45E+00	2.28E-04	2.98E-01	4.62E+00	6.88E-01	2.13E+01	2.01E+01	8.24E+01
1132	482881.63	3853134.48	6.74745	11.22113	10.93974	5.44327	10.10352	4.83643	11.3831	11.22113	6.92E+01	5.05E+00	2.78E-04	2.82E-01	4.66E+00	6.69E-01	1.97E+01	1.86E+01	8.09E+01
1133	482831.63	3853184.48	6.97692	11.517	8.96398	5.95732	9.95893	5.17347	11.7451	11.517	7.15E+01	5.18E+00	2.27E-04	3.08E-01	4.59E+00	7.15E-01	2.03E+01	1.91E+01	8.35E+01
1134	482881.63	3853184.48	6.89812	11.10737	10.82929	5.77446	10.14585	4.98663	11.3179	11.10737	7.07E+01	5.00E+00	2.75E-04	2.99E-01	4.68E+00	6.89E-01	1.95E+01	1.84E+01	8.25E+01
1135	484154.84	3854250.98	10.75959	3.03635	9.71052	10.39858	16.74305	6.71112	8.18765	3.03635	1.10E+02	1.37E+00	2.46E-04	5.38E-01	7.72E+00	9.28E-01	1.41E+01	5.03E+00	1.30E+02
1136	484204.84	3854250.98	10.86358	2.87952	10.06108	10.96319	16.60929	6.57279	7.59603	2.87952	1.11E+02	1.30E+00	2.55E-04	5.68E-01	7.65E+00	9.09E-01	1.31E+01	4.77E+00	1.30E+02
1137	484154.84	3854300.98	11.0973	3.23125	9.64482	9.86867	16.49596	6.65604	8.45512	3.23125	1.14E+02	1.45E+00	2.45E-04	5.11E-01	7.60E+00	9.20E-01	1.46E+01	5.35E+00	1.34E+02
1138	484204.84	3854300.98	11.17261	2.94937	11.46435	11.05023	16.79494	6.84647	8.23365	2.94937	1.15E+02	1.33E+00	2.91E-04	5.72E-01	7.74E+00	9.47E-01	1.42E+01	4.89E+00	1.34E+02
1139	484074.19	3854519.8	11.83886	2.9215	15.95335	18.41418	12.46143	10.50696	10.3466	2.9215	1.21E+02	1.31E+00	4.05E-04	9.53E-01	5.74E+00	1.45E+00	1.79E+01	4.84E+00	1.44E+02
1140	484124.19	3854519.8	12.17332	3.0926	14.73774	19.86668	10.45018	10.53526	8.82137	3.0926	1.25E+02	1.39E+00	3.74E-04	1.03E+00	4.82E+00	1.46E+00	1.52E+01	5.12E+00	1.44E+02
1141	484074.19	3854569.8	12.10259	2.56986	14.22122	29.37499	15.25926	10.12957	11.1174	2.56986	1.24E+02	1.16E+00	3.61E-04	1.52E+00	7.03E+00	1.40E+00	1.92E+01	4.26E+00	1.50E+02
1142	484124.19	3854569.8	12.53058	2.78545	11.17053	23.22334	12.92357	10.59292	10.7311	2.78545	1.28E+02	1.25E+00	2.83E-04	1.20E+00	5.96E+00	1.46E+00	1.85E+01	4.62E+00	1.52E+02
1143	485205.11	3855188.89	11.31704	2.4858	8.96069	22.53204	23.40372	9.72793	9.95845	2.4858	1.16E+02	1.12E+00	2.27E-04	1.17E+00	1.08E+01	1.34E+00	1.72E+01	4.12E+00	1.44E+02
1144	485255.11	3855188.89	11.04847	2.25806	8.30721	18.99196	23.63831	8.57043	9.03632	2.25806	1.13E+02	1.02E+00	2.11E-04	9.83E-01	1.09E+01	1.18E+00	1.56E+01	3.74E+00	1.39E+02
1145	485205.11	3855238.89	11.81488	2.60369	9.31353	31.66968	22.50241	12.12527	11.8004	2.60369	1.21E+02	1.17E+00	2.36E-04	1.64E+00	1.04E+01	1.68E+00	2.04E+01	4.31E+00	1.52E+02
1146	485255.11	3855238.89	11.39919	2.46373	8.95322	24.76828	23.66795	9.79601	9.44175	2.46373	1.17E+02	1.11E+00	2.27E-04	1.28E+00	1.09E+01	1.35E+00	1.63E+01	4.08E+00	1.44E+02
1147	485205.11	3855288.89	12.05268	2.67174	10.69156	43.86556	21.02011	16.09082	15.1578	2.67174	1.24E+02	1.20E+00	2.71E-04	2.27E+00	9.69E+00	2.22E+00	2.62E+01	4.43E+00	1.61E+02
1148	485255.11	3855288.89	11.63499	2.60478	10.14067	33.3747	22.90486	13.16215	12.6064	2.60478	1.19E+02	1.17E+00	2.57E-04	1.73E+00	1.06E+01	1.82E+00	2.18E+01	4.32E+00	1.52E+02
1149	485255.11	3855338.89	11.98829	2.64121	11.60144	45.91893	21.66704	16.49593	15.3962	2.64121	1.23E+02	1.19E+00	2.94E-04	2.38E+00	9.99E+00	2.28E+00	2.66E+01	4.38E+00	1.61E+02
1150	485305.11	3855338.89	11.54662	2.5846	11.68121	34.52903	23.18108	13.7723	13.2164	2.5846	1.18E+02	1.16E+00	2.96E-04	1.79E+00	1.07E+01	1.90E+00	2.28E+01	4.28E+00	1.52E+02
1151	485852.5	3855635.28	9.17323	1.94655	12.56047	17.3495	29.57739	8.17268	8.31014	1.94655	9.41E+01	8.76E-01	3.19E-04	8.98E-01	1.36E+01	1.13E+00	1.43E+01	3.23E+00	1.22E+02
1152	485902.5	3855635.28	8.88422	1.96838	11.09253	15.23147	28.16109	7.33236	7.49682	1.96838	9.11E+01	8.86E-01	2.81E-04	7.88E-01	1.30E+01	1.01E+00	1.29E+01	3.26E+00	1.16E+02
1153	485852.5	3855685.28	9.48424	1.92615	12.82842	20.12764	31.04326	9.30309	9.22876	1.92615	9.73E+01	8.67E-01	3.25E-04	1.04E+00	1.43E+01	1.29E+00	1.59E+01	3.19E+00	1.27E+02
1154	485902.5	3855685.28	9.1754	1.90518	12.2608	17.71879	30.41616	8.38275	8.47485	1.90518	9.41E+01	8.57E-01	3.11E-04	9.17E-01	1.40E+01	1.16E+00	1.46E+01	3.16E+00	1.23E+02
1155	485852.5	3855735.28	9.84455	2.07498	13.98742	23.20598	31.40176	10.36469	9.89203	2.07498	1.01E+02	9.34E-01	3.55E-04	1.20E+00	1.45E+01	1.43E+00	1.71E+01	3.44E+00	1.33E+02
1156	485902.5	3855735.28	9.45807	1.92667	13.51709	20.38971	31.90742	9.40556	9.24149	1.92667	9.70E+01	8.67E-01	3.43E-04	1.06E+00	1.47E+01	1.30E+00	1.60E+01	3.19E+00	1.28E+02
1157	485852.5	3855785.28	10.216	2.16186	14.13465	27.87765	33.00421	11.65611	10.3937	2.16186	1.05E+02	9.73E-01	3.59E-04	1.44E+00	1.52E+01	1.61E+00	1.79E+01	3.58E+00	1.38E+02
1158	485902.5	3855785.28	9.84138	2.06707	13.2869	23.51946	32.11955	10.38886	9.77614	2.06707	1.01E+02	9.30E-01	3.37E-04	1.22E+00	1.48E+01	1.44E+00	1.69E+01	3.43E+00	1.33E+02
1159	486809.46	3856465.28	9.10985	1.59367	9.44501	16.16474	68.63317	7.64434	6.60221	1.59367	9.34E+01	7.17E-01	2.40E-04	8.37E-01	3.16E+01	1.06E+00	1.14E+01	2.64E+00	1.36E+02
1160	486859.46	3856465.28	8.88242	1.61867	9.26327	14.69246	81.39382	7.13194	6.33262	1.61867	9.11E+01	7.28E-01	2.35E-04	7.61E-01	3.75E+01	9.86E-01	1.09E+01	2.68E+00	1.39E+02
1161	486909.46	3856465.28	8.6845	1.64483	9.0031	13.52911	88.8804	6.72869	6.1085	1.64483	8.91E+01	7.40E-01	2.28E-04	7.00E-01	4.10E+01	9.30E-01	1.05E+01	2.73E+00	1.40E+02
1162	486809.46	3856515.28	9.38122	1.55607	9.74407	18.36481	76.86825	8.27021	6.96436	1.55607	9.62E+01	7.00E-01	2.47E-04	9.51E-01	3.54E+01	1.14E+00	1.20E+01	2.58E+00	1.44E+02
1163	486859.46	3856515.28	9.11925	1.57893	9.63311	16.32805	75.52761	7.66466	6.62227	1.57893	9.35E+01	7.11E-01	2.44E-04	8.45E-01	3.48E+01	1.06E+00	1.14E+01	2.62E+00	1.40E+02
1164	486909.46	3856515.28	8.89126	1.60331	9.42636	14.80638	88.26217	7.19428	6.33697	1.60331	9.12E+01	7.22E-01	2.39E-04	7.66E-01	4.07E+01	9.95E-01	1.09E+01	2.66E+00	1.43E+02
1165	486980.94	3856357.95	8.06126	1.82012	8.54511	10.48801	80.90943	5.40112	5.53075	1.82012	8.27E+01	8.19E-01	2.17E-04	5.43E-01	3.73E+01	7.47E-01	9.55E+00	3.02E+00	1.29E+02
1166	487030.94	3856357.95	7.91553	1.86845	8.62139	9.78378	77.59981	5.0791	5.31633	1.86845	8.12E+01	8.41E-01	2.19E-04	5.06E-01	3.58E+01	7.02E-01	9.18E+00	3.10E+00	1.25E+02
1167	486980.94	3856407.95	8.20725	1.75581	7.43229	11.26853	87.332	5.81914	5.69583	1.75581	8.42E+01	7.90E-01	1.89E-04	5.83E-01	4.02E+01	8.05E-01	9.83E+00	2.91E+00	1.34E+02
1168	487030.94	3856407.95	8.05524	1.79723	7.13038	10.56145	84.91611	5.49768	5.50685	1.79723	8.26E+01	8.09E-01	1.81E-04	5.47E-01	3.91E+01	7.60E-01	9.51E+00	2.98E+00	1.30E+02
1169	487447.18	3856437.45	7.08056	2.18494	6.99225	6.29412	93.29762	3.45942	3.93728	2.18494	7.26E+01	9.83E-01	1.77E-04	3.26E-01	4.30E+01	4.78E-01	6.80E+00	3.62E+00	1.21E+02
1170	487497.18	3856437.45	6.97556	2.23163	7.09053	5.79724	90.35433	3.42572	3.75617	2.23163	7.15E+01	1.00E+00	1.80E-04	3.00E-01	4.16E+01	4.74E-01	6.49E+00	3.70E+00	1.18E+02
1171	487547.18	3856437.45	6.87103	2.27129	7.18648	5.2968	87.17469	3.51473	3.58319	2.27129	7.05E+01	1.02E+00	1.82E-04	2.74E-01	4.02E+01	4.86E-01	6.19E+00	3.76E+00	1.15E+02
1172	487447.18	3856487.45	7.18153	2.09809	6.78809	6.91186	104.2934	3.7748	4.17684	2.09809	7.36E+01	9.44E-01	1.72E-04	3.58E-01	4.81E+01	5.22E-01	7.21E+00	3.48E+00	1.27E+02
1173	487497.18	3856487.45	7.07465	2.14729	6.59339	6.44723	100.8247	3.56428	3.98858	2.14729	7.25E+01	9.66E-01	1.67E-04	3.34E-01	4.65E+01	4.93E-01	6.89E+00	3.56E+00	1.24E+02
1174	487547.18	3856487.45	6.96523	2.1925	6.40297	5.97406	97.66199	3.67657	3.81099	2.1925	7.14E+01	9.87E-01	1.62E-04	3.09E-01	4.50E+01	5.08E-01	6.58E+00	3.63E+00	1.21E+02
1175	487447.18	3856537.45	7.29239	2.01391	7.82462	7.43284	111.542	4.05031	4.39288	2.01391	7.48E+01	9.06E-01	1.98E-04	3.85E-01	5.14E+01	5.60E-01	7.58E+00	3.34E+00	1.32E+02
1176	487497.18	3856537.45	7.18265	2.06338	7.58803	7.01205	107.9224	3.83295	4.21022	2.06338	7.37E+01	9.29E-01	1.92E-04	3.63E-01	4.97E+01	5.30E-01	7.27E+00	3.42E+00	1.29E+02

1177	487547.18	3856537.45	7.06468	2.11169	7.36855	6.57362	104.7484	3.84682	4.02942	2.11169	7.24E+01	9.50E-01	1.87E-04	3.40E-01	4.83E+01	5.32E-01	6.96E+00	3.50E+00	1.26E+02
1178	489285.89	3858826.54	11.14398	6.36235	11.47042	33.46235	40.41272	13.78117	6.4871	6.36235	1.14E+02	2.86E+00	2.91E-04	1.73E+00	1.86E+01	1.91E+00	1.12E+01	1.05E+01	1.40E+02
1179	489335.89	3858826.54	10.77147	5.89277	11.78479	27.39521	35.17118	12.77367	5.73978	5.89277	1.10E+02	2.65E+00	2.99E-04	1.42E+00	1.62E+01	1.77E+00	9.91E+00	9.76E+00	1.33E+02
1180	489385.89	3858826.54	10.413	5.68574	11.90524	23.34294	30.0196	11.90995	4.89082	5.68574	1.07E+02	2.56E+00	3.02E-04	1.21E+00	1.38E+01	1.65E+00	8.44E+00	9.42E+00	1.25E+02
1181	489435.89	3858826.54	10.06152	5.44445	11.85564	20.57062	27.66704	11.17293	4.5958	5.44445	1.03E+02	2.45E+00	3.01E-04	1.06E+00	1.28E+01	1.54E+00	7.93E+00	9.02E+00	1.20E+02
1182	489485.89	3858826.54	9.71883	5.23112	11.64629	18.51412	28.06967	10.60955	4.34188	5.23112	9.97E+01	2.35E+00	2.95E-04	9.58E-01	1.29E+01	1.47E+00	7.50E+00	8.67E+00	1.16E+02
1183	489535.89	3858826.54	9.3873	5.03314	24.51349	16.88892	28.06782	10.26121	4.12491	5.03314	9.63E+01	2.27E+00	6.22E-04	8.74E-01	1.29E+01	1.42E+00	7.12E+00	8.34E+00	1.13E+02
1184	489585.89	3858826.54	9.06525	4.86036	27.5081	15.57213	27.53104	9.9587	3.94223	4.86036	9.30E+01	2.19E+00	6.98E-04	8.06E-01	1.27E+01	1.38E+00	6.81E+00	8.05E+00	1.09E+02
1185	489635.89	3858826.54	8.75618	4.693	25.17588	14.48618	26.55281	9.68139	3.7902	4.693	8.98E+01	2.11E+00	6.39E-04	7.50E-01	1.22E+01	1.34E+00	6.54E+00	7.78E+00	1.05E+02
1186	489685.89	3858826.54	8.45833	4.5316	18.34186	13.58213	25.1953	9.4274	3.72659	4.5316	8.67E+01	2.04E+00	4.65E-04	7.03E-01	1.16E+01	1.30E+00	6.43E+00	7.51E+00	1.01E+02
1187	489735.89	3858826.54	8.17192	4.37224	27.26085	12.80602	26.90695	9.19127	3.66776	4.37224	8.38E+01	1.97E+00	6.92E-04	6.63E-01	1.24E+01	1.27E+00	6.33E+00	7.24E+00	9.92E+01
1188	489785.89	3858826.54	7.8908	4.23653	15.84178	12.14805	29.04619	8.99491	3.43056	4.23653	8.09E+01	1.91E+00	4.02E-04	6.29E-01	1.34E+01	1.24E+00	5.92E+00	7.02E+00	9.70E+01
1189	489835.89	3858826.54	7.62637	4.08572	11.12034	11.5399	30.8559	8.76067	3.35866	4.08572	7.82E+01	1.84E+00	2.82E-04	5.97E-01	1.42E+01	1.21E+00	5.80E+00	6.77E+00	9.51E+01
1190	489885.89	3858826.54	7.36425	3.96152	17.59885	11.08067	32.1906	8.55599	3.28833	3.96152	7.55E+01	1.78E+00	4.46E-04	5.74E-01	1.48E+01	1.18E+00	5.68E+00	6.56E+00	9.30E+01
1191	489935.89	3858826.54	7.11355	3.83531	16.01597	10.69812	33.10449	8.40284	3.21788	3.83531	7.29E+01	1.73E+00	4.06E-04	5.54E-01	1.53E+01	1.16E+00	5.56E+00	6.35E+00	9.08E+01
1192	489985.89	3858826.54	6.87456	3.70752	9.66543	10.36725	33.5901	8.39231	3.14548	3.70752	7.05E+01	1.67E+00	2.45E-04	5.37E-01	1.55E+01	1.16E+00	5.43E+00	6.14E+00	8.86E+01
1193	490035.89	3858826.54	6.65254	3.56705	12.77073	10.0645	35.58429	8.32352	3.19511	3.56705	6.82E+01	1.61E+00	3.24E-04	5.21E-01	1.64E+01	1.15E+00	5.52E+00	5.91E+00	8.75E+01
1194	489285.89	3858876.54	11.3805	7.47424	12.15393	38.18742	43.54136	15.50805	7.58015	7.47424	1.17E+02	3.36E+00	3.08E-04	1.98E+00	2.01E+01	2.14E+00	1.31E+01	1.24E+01	1.45E+02
1195	489335.89	3858876.54	11.05572	6.90304	11.69817	30.6363	38.66566	14.26399	7.03594	6.90304	1.13E+02	3.11E+00	2.97E-04	1.59E+00	1.78E+01	1.97E+00	1.21E+01	1.14E+01	1.39E+02
1196	489385.89	3858876.54	10.72181	6.17956	11.04896	25.78741	33.61078	13.24615	6.31201	6.17956	1.10E+02	2.78E+00	2.80E-04	1.33E+00	1.55E+01	1.83E+00	1.09E+01	1.02E+01	1.32E+02
1197	489435.89	3858876.54	10.3885	5.82603	10.91165	22.3559	28.62444	12.38655	5.44367	5.82603	1.07E+02	2.62E+00	2.77E-04	1.16E+00	1.32E+01	1.71E+00	9.40E+00	9.65E+00	1.25E+02
1198	489485.89	3858876.54	10.05904	5.62522	11.15389	19.84038	26.88475	11.64522	4.68455	5.62522	1.03E+02	2.53E+00	2.83E-04	1.03E+00	1.24E+01	1.61E+00	8.09E+00	9.32E+00	1.19E+02
1199	489535.89	3858876.54	9.73673	5.39754	20.21615	17.93199	27.1818	10.99079	4.41012	5.39754	9.98E+01	2.43E+00	5.13E-04	9.28E-01	1.25E+01	1.52E+00	7.61E+00	8.94E+00	1.16E+02
1200	489585.89	3858876.54	9.42527	5.17013	29.35921	16.41848	27.31152	10.39237	4.1515	5.17013	9.66E+01	2.33E+00	7.45E-04	8.50E-01	1.26E+01	1.44E+00	7.17E+00	8.57E+00	1.12E+02
1201	489635.89	3858876.54	9.115	4.98544	28.2164	15.18609	26.88041	9.86379	4.03564	4.98544	9.35E+01	2.24E+00	7.16E-04	7.86E-01	1.24E+01	1.36E+00	6.97E+00	8.26E+00	1.09E+02
1202	489685.89	3858876.54	8.81566	4.80654	17.80047	14.1516	26.01964	9.4101	3.90978	4.80654	9.04E+01	2.16E+00	4.52E-04	7.33E-01	1.20E+01	1.30E+00	6.75E+00	7.96E+00	1.05E+02
1203	489735.89	3858876.54	8.52795	4.6349	27.4924	13.27997	24.78929	9.07984	3.82854	4.6349	8.74E+01	2.09E+00	6.97E-04	6.87E-01	1.14E+01	1.26E+00	6.61E+00	7.68E+00	1.02E+02
1204	489785.89	3858876.54	8.24248	4.49073	15.39982	12.54648	25.09097	8.7846	3.81237	4.49073	8.45E+01	2.02E+00	3.91E-04	6.49E-01	1.16E+01	1.21E+00	6.58E+00	7.44E+00	9.91E+01
1205	489835.89	3858876.54	7.97097	4.34087	13.94133	11.89345	27.30654	8.51106	3.55449	4.34087	8.17E+01	1.95E+00	3.54E-04	6.16E-01	1.26E+01	1.18E+00	6.14E+00	7.19E+00	9.70E+01
1206	489885.89	3858876.54	7.69749	4.22327	20.06733	11.35353	29.11531	8.36866	3.35177	4.22327	7.89E+01	1.90E+00	5.09E-04	5.88E-01	1.34E+01	1.16E+00	5.79E+00	7.00E+00	9.48E+01
1207	489935.89	3858876.54	7.44646	4.0772	15.55495	10.82913	30.64067	8.17051	3.28231	4.0772	7.64E+01	1.83E+00	3.95E-04	5.61E-01	1.41E+01	1.13E+00	5.67E+00	6.76E+00	9.29E+01
1208	489985.89	3858876.54	7.20607	3.92858	9.63719	10.41169	31.77982	7.96854	3.20918	3.92858	7.39E+01	1.77E+00	2.44E-04	5.39E-01	1.46E+01	1.10E+00	5.54E+00	6.51E+00	9.10E+01
1209	490035.89	3858876.54	6.97258	3.79161	19.31627	10.05544	32.49225	8.04778	3.13637	3.79161	7.15E+01	1.71E+00	4.90E-04	5.21E-01	1.50E+01	1.11E+00	5.41E+00	6.28E+00	8.89E+01
1210	489285.89	3858926.54	11.5016	8.27378	16.19472	48.36635	46.05019	17.63603	8.37887	8.27378	1.18E+02	3.72E+00	4.11E-04	2.50E+00	2.12E+01	2.44E+00	1.45E+01	1.37E+01	1.49E+02
1211	489335.89	3858926.54	11.2327	7.95389	12.00987	35.84367	41.68798	15.99297	8.06516	7.95389	1.15E+02	3.58E+00	3.05E-04	1.86E+00	1.92E+01	2.21E+00	1.39E+01	1.32E+01	1.43E+02
1212	489385.89	3858926.54	10.95164	7.46244	12.40075	29.12783	36.9981	14.71725	7.59244	7.46244	1.12E+02	3.36E+00	3.15E-04	1.51E+00	1.71E+01	2.03E+00	1.31E+01	1.24E+01	1.37E+02
1213	489435.89	3858926.54	10.6543	6.78193	11.28975	24.80936	32.1207	13.68646	6.91059	6.78193	1.09E+02	3.05E+00	2.86E-04	1.28E+00	1.48E+01	1.89E+00	1.19E+01	1.12E+01	1.31E+02
1214	489485.89	3858926.54	10.35193	5.94098	10.79124	21.7087	27.34034	12.81944	6.05281	5.94098	1.06E+02	2.67E+00	2.74E-04	1.12E+00	1.26E+01	1.77E+00	1.05E+01	9.84E+00	1.25E+02
1215	489535.89	3858926.54	10.04771	5.78849	14.36736	19.3659	26.15281	12.07409	5.06076	5.78849	1.03E+02	2.61E+00	3.64E-04	1.00E+00	1.21E+01	1.67E+00	8.74E+00	9.59E+00	1.20E+02
1216	489585.89	3858926.54	9.74605	5.5681	28.84446	17.54395	26.34899	11.41673	4.47678	5.5681	9.99E+01	2.51E+00	7.32E-04	9.08E-01	1.21E+01	1.58E+00	7.73E+00	9.23E+00	1.16E+02
1217	489635.89	3858926.54	9.44703	5.35122	30.84189	16.09525	26.53518	10.82919	4.21307	5.35122	9.69E+01	2.41E+00	7.82E-04	8.33E-01	1.22E+01	1.50E+00	7.27E+00	8.87E+00	1.12E+02
1218	489685.89	3858926.54	9.15704	5.11968	21.60643	14.89755	26.25179	10.28241	4.10027	5.11968	9.39E+01	2.30E+00	5.48E-04	7.71E-01	1.21E+01	1.42E+00	7.08E+00	8.48E+00	1.09E+02
1219	489735.89	3858926.54	8.86465	4.94098	27.37248	13.9053	25.47087	9.80121	3.99556	4.94098	9.09E+01	2.22E+00	6.94E-04	7.20E-01	1.17E+01	1.36E+00	6.90E+00	8.19E+00	1.06E+02
1220	489785.89	3858926.54	8.57767	4.77811	14.72952	13.06823	24.3045	9.35825	3.94302	4.77811	8.80E+01	2.15E+00	3.74E-04	6.76E-01	1.12E+01	1.29E+00	6.81E+00	7.92E+00	1.02E+02
1221	489835.89	3858926.54	8.30584	4.6051	17.54565	12.33953	23.35779	8.92781	3.96208	4.6051	8.52E+01	2.07E+00	4.45E-04	6.39E-01	1.08E+01	1.23E+00	6.84E+00	7.63E+00	9.91E+01
1222	489885.89	3858926.54	8.03417	4.46551	22.28531	11.72234	25.55161	8.65551	3.7364	4.46551	8.24E+01	2.01E+00	5.65E-04	6.07E-01	1.18E+01	1.20E+00	6.45E+00	7.40E+00	9.70E+01
1223	489935.89	3858926.54	7.77546	4.32362	14.06693	11.1639	27.49168	8.39586	3.45928	4.32362	7.97E+01	1.95E+00	3.57E-04	5.78E-01	1.27E+01	1.16E+00	5.97E+00	7.16E+00	9.49E+01
1224	489985.89	3858926.54	7.53165	4.16519	15.24727	10.608	29.14899	8.07201	3.31416	4.16519	7.72E+01	1.87E+00	3.87E-04	5.49E-01	1.34E+01	1.12E+00	5.72E+00	6.90E+00	9.30E+01
1225	490035.89	3858926.54	7.30615	3.98084	25.78477	10.13002	30.50974	7.97871	3.19384	3.98084	7.49E+01	1.79E+00	6.54E-04	5.24E-01	1.41E+01	1.10E+00	5.51E+00	6.60E+00	9.13E+01
1226	489335.89	3858976.54	11.33185	8.67257	17.46197	53.84964	44.21728	20.57343	8.77524	8.67257	1.16E+02	3.90E+00	4.43E-04	2.79E+00	2.04E+01	2.84E+00	1.52E+01	1.44E+01	1.47E+02
1227	489385.89	3858976.54	11.09218	8.42736	14.04771	36.14823	39.99547	17.69587	8.54298	8.42736	1.14E+02	3.79E+00	3.56E-04	1.87E+00	1.84E+01	2.45E+00	1.47E+01	1.40E+01	1.41E+02
1228	489435.89	3858976.54	10.83362	8.0259	13.76059	28.69367	35.35025	15.79813	8.13997	8.0259	1.11E+02	3.61E+00	3.49E-04	1.49E+00	1.63E+01	2.18E+00	1.41E+01	1.33E+01	1.35E+02
1229	489485.89	3858976.54	10.57181	7.39894	11.3187	24.32287	30.69286	14.44242	7.54304	7.39894	1.08E+02	3.33E+00	2.87E-04	1.26E+00	1.41E+01	2.00E+00	1.30E+01	1.23E+01	1.30E+02
1230	489535.89	3858976.54	10.3027	6.55661	10.84577	21.3076	26.14275	13.40556	6.70875	6.55661	1.06E+02	2.95E+00	2.75E-04	1.10E+00	1.20E+01	1.85E+00	1.16E+01	1.09E+01	1.24E+02
1231	489585.89	3858976.54	10.02053	5.90651	25.06858	19.06029	25.4367	12.58347	5.71123	5.90651	1.03E+02	2.66E+00	6.36E-04	9.87E-01	1.17E+01	1.74E+00	9.86E+00	9.79E+00	1.20E+02
1232	489635.89	3858976.54	9.74016	5.74234	32.3971	17.29193	25.52135	11.88096	4.607	5.74234	9.99E+01	2.58E+00	8.22E-04	8.95E-01	1.18E+01	1.64E+00	7.95E+00	9.51E+00	1.15E+02
1233	489685.89	3858976.54	9.4625	5.54307	26.239	15.86944	25.80767	11.26209	4.2728	5.54307	9.70E+01	2.49E+00	6.66E-04	8.22E-01	1.19E+01	1.56E+00	7.38E+00	9.18E+00	1.12E+02
1234	489735.89	3858976.54	9.18078	5.32475	26.7777	14.709	25.57738	10.71739	4.05177	5.32475	9.41E+01	2.40E+00	6.79E-04	7.61E-01	1.18E+01	1.48E+00	7.00E+00	8.82E+00	1.09E+02
1235	489785.89	3858976.54	8.89685	5.13724	13.67315	13.74136	24.8799	10.23493	3.88384	5.13724	9.12E+01	2.31E+00	3.47E-04	7.11E-01	1.15E+01	1.42E+00	6.71E+00	8.51E+00	1.05E+02

1236	489835.89	3858976.54	8.62053	4.95744	22.05326	12.91421	23.82949	9.78392	4.05468	4.95744	8.84E+01	2.23E+00	5.59E-04	6.69E-01	1.10E+01	1.35E+00	7.00E+00	8.21E+00	1.02E+02
1237	489885.89	3858976.54	8.36416	4.73166	23.68284	12.17549	22.54862	9.33684	4.11395	4.73166	8.58E+01	2.13E+00	6.01E-04	6.30E-01	1.04E+01	1.29E+00	7.10E+00	7.84E+00	9.95E+01
1238	489935.89	3858976.54	8.10848	4.55189	11.36128	11.55031	23.96848	8.91903	3.90239	4.55189	8.31E+01	2.05E+00	2.88E-04	5.98E-01	1.10E+01	1.23E+00	6.74E+00	7.54E+00	9.73E+01
1239	489985.89	3858976.54	7.8568	4.39873	24.20884	10.99758	25.96263	8.49402	3.62305	4.39873	8.06E+01	1.98E+00	6.14E-04	5.69E-01	1.20E+01	1.17E+00	6.26E+00	7.29E+00	9.52E+01
1240	490035.89	3858976.54	7.66684	4.11471	28.74828	10.11139	27.99698	8.12102	3.29949	4.11471	7.86E+01	1.85E+00	7.29E-04	5.23E-01	1.29E+01	1.12E+00	5.70E+00	6.82E+00	9.39E+01
1241	489385.89	3859026.54	11.50714	9.0673	18.63441	64.12375	42.50499	25.76255	9.16186	9.0673	1.18E+02	4.08E+00	4.73E-04	3.32E+00	1.96E+01	3.56E+00	1.58E+01	1.50E+01	1.49E+02
1242	489435.89	3859026.54	11.08817	8.89272	17.07689	40.3823	38.33015	19.78534	8.98695	8.89272	1.14E+02	4.00E+00	4.33E-04	2.09E+00	1.77E+01	2.74E+00	1.55E+01	1.47E+01	1.41E+02
1243	489485.89	3859026.54	10.76234	8.58384	14.81708	29.8161	33.90198	17.43476	8.69112	8.58384	1.10E+02	3.86E+00	3.76E-04	1.54E+00	1.56E+01	2.41E+00	1.50E+01	1.42E+01	1.35E+02
1244	489535.89	3859026.54	10.49701	8.03778	11.30701	24.52639	29.37906	15.68807	8.17878	8.03778	1.08E+02	3.62E+00	2.87E-04	1.27E+00	1.35E+01	2.17E+00	1.41E+01	1.33E+01	1.29E+02
1245	489585.89	3859026.54	10.24624	7.25253	17.95276	21.23354	25.01011	14.3563	7.40715	7.25253	1.05E+02	3.26E+00	4.55E-04	1.10E+00	1.15E+01	1.98E+00	1.28E+01	1.20E+01	1.24E+02
1246	489635.89	3859026.54	9.98728	6.23007	31.8519	18.91579	24.76693	13.33044	6.3977	6.23007	1.02E+02	2.80E+00	8.08E-04	9.79E-01	1.14E+01	1.84E+00	1.10E+01	1.03E+01	1.20E+02
1247	489685.89	3859026.54	9.72558	5.86435	31.51945	17.14511	24.73691	12.50015	5.24643	5.86435	9.97E+01	2.64E+00	8.00E-04	8.88E-01	1.14E+01	1.73E+00	9.06E+00	9.72E+00	1.16E+02
1248	489735.89	3859026.54	9.4561	5.65555	25.51781	15.7395	25.03504	11.81487	4.49907	5.65555	9.70E+01	2.55E+00	6.47E-04	8.15E-01	1.15E+01	1.63E+00	7.77E+00	9.37E+00	1.12E+02
1249	489785.89	3859026.54	9.18743	5.45971	14.48033	14.58404	24.87552	11.22299	4.29218	5.45971	9.42E+01	2.46E+00	3.67E-04	7.55E-01	1.15E+01	1.55E+00	7.41E+00	9.05E+00	1.09E+02
1250	489835.89	3859026.54	8.93267	5.2991	27.43068	13.60901	24.37151	10.6737	4.01857	5.2991	9.16E+01	2.38E+00	6.96E-04	7.04E-01	1.12E+01	1.48E+00	6.94E+00	8.78E+00	1.06E+02
1251	489885.89	3859026.54	8.67449	5.06647	23.37985	12.77044	23.45994	10.18912	4.14202	5.06647	8.89E+01	2.28E+00	5.93E-04	6.61E-01	1.08E+01	1.41E+00	7.15E+00	8.39E+00	1.03E+02
1252	489935.89	3859026.54	8.42481	4.83525	18.05236	12.04962	22.2597	9.72939	4.25567	4.83525	8.64E+01	2.18E+00	4.58E-04	6.24E-01	1.03E+01	1.35E+00	7.35E+00	8.01E+00	1.00E+02
1253	489985.89	3859026.54	8.17948	4.64245	32.35442	11.49227	22.46424	9.28021	4.07052	4.64245	8.39E+01	2.09E+00	8.21E-04	5.95E-01	1.04E+01	1.28E+00	7.03E+00	7.69E+00	9.75E+01
1254	490035.89	3859026.54	8.00469	4.29874	24.36698	10.41408	24.84337	8.76187	3.49684	4.29874	8.21E+01	1.93E+00	6.18E-04	5.39E-01	1.14E+01	1.21E+00	6.04E+00	7.12E+00	9.61E+01
1255	489485.89	3859076.54	11.26813	9.32789	20.92111	50.88711	36.79961	21.19332	9.41826	9.32789	1.16E+02	4.20E+00	5.31E-04	2.63E+00	1.70E+01	2.93E+00	1.63E+01	1.55E+01	1.43E+02
1256	489535.89	3859076.54	10.80009	9.11109	14.71497	33.0866	32.50861	18.70328	9.21839	9.11109	1.11E+02	4.10E+00	3.73E-04	1.71E+00	1.50E+01	2.59E+00	1.59E+01	1.51E+01	1.35E+02
1257	489585.89	3859076.54	10.47292	8.70023	14.36767	25.72643	28.17275	16.80461	8.81631	8.70023	1.07E+02	3.92E+00	3.64E-04	1.33E+00	1.30E+01	2.32E+00	1.52E+01	1.44E+01	1.29E+02
1258	489635.89	3859076.54	10.19795	7.99806	28.11994	21.68289	24.06838	15.34986	8.14422	7.99806	1.05E+02	3.60E+00	7.13E-04	1.12E+00	1.11E+01	2.12E+00	1.41E+01	1.33E+01	1.23E+02
1259	489685.89	3859076.54	9.94342	7.03278	36.99972	19.05676	24.08127	14.18836	7.19909	7.03278	1.02E+02	3.17E+00	9.39E-04	9.87E-01	1.11E+01	1.96E+00	1.24E+01	1.17E+01	1.20E+02
1260	489735.89	3859076.54	9.69353	5.87366	23.37596	17.16291	23.91905	13.24148	6.04932	5.87366	9.94E+01	2.64E+00	5.93E-04	8.88E-01	1.10E+01	1.83E+00	1.04E+01	9.73E+00	1.16E+02
1261	489785.89	3859076.54	9.44296	5.6577	17.72193	15.69971	24.29619	12.45382	4.81836	5.6577	9.68E+01	2.55E+00	4.50E-04	8.13E-01	1.12E+01	1.72E+00	8.32E+00	9.37E+00	1.12E+02
1262	489835.89	3859076.54	9.19863	5.56483	33.31013	14.51164	24.27079	11.77513	4.46007	5.56483	9.43E+01	2.50E+00	8.45E-04	7.51E-01	1.12E+01	1.63E+00	7.70E+00	9.22E+00	1.09E+02
1263	489885.89	3859076.54	8.95548	5.44712	20.40823	13.52914	23.84322	11.1752	4.20739	5.44712	9.18E+01	2.45E+00	5.18E-04	7.00E-01	1.10E+01	1.54E+00	7.26E+00	9.03E+00	1.06E+02
1264	489935.89	3859076.54	8.70929	5.24648	30.77286	12.68405	23.02933	10.6505	4.23753	5.24648	8.93E+01	2.36E+00	7.81E-04	6.57E-01	1.06E+01	1.47E+00	7.32E+00	8.69E+00	1.03E+02
1265	489985.89	3859076.54	8.47594	4.97302	33.08701	11.94557	21.95477	10.14748	4.40087	4.97302	8.69E+01	2.24E+00	8.39E-04	6.18E-01	1.01E+01	1.40E+00	7.60E+00	8.24E+00	1.01E+02
1266	490035.89	3859076.54	8.2968	4.59075	25.10139	11.11755	21.25399	9.56778	4.1326	4.59075	8.51E+01	2.07E+00	6.37E-04	5.76E-01	9.79E+00	1.32E+00	7.13E+00	7.61E+00	9.84E+01
1267	489585.89	3859126.54	10.90259	9.63144	12.26501	39.96565	31.15418	19.64232	9.70906	9.63144	1.12E+02	4.33E+00	3.11E-04	2.07E+00	1.44E+01	2.72E+00	1.68E+01	1.60E+01	1.36E+02
1268	489635.89	3859126.54	10.48532	9.3205	25.864	28.43007	26.91249	17.63414	9.42724	9.3205	1.08E+02	4.19E+00	6.56E-04	1.47E+00	1.24E+01	2.44E+00	1.63E+01	1.54E+01	1.29E+02
1269	489685.89	3859126.54	10.17731	8.72828	41.16163	22.86585	23.36611	16.09474	8.87873	8.72828	1.04E+02	3.93E+00	1.04E-03	1.18E+00	1.08E+01	2.23E+00	1.53E+01	1.45E+01	1.23E+02
1270	489735.89	3859126.54	9.9147	7.84876	20.24476	19.58707	23.43343	14.87488	8.0225	7.84876	1.02E+02	3.53E+00	5.14E-04	1.01E+00	1.08E+01	2.06E+00	1.39E+01	1.30E+01	1.20E+02
1271	489785.89	3859126.54	9.6694	6.703	22.16955	17.39287	23.16733	13.87773	6.88502	6.703	9.92E+01	3.02E+00	5.62E-04	9.00E-01	1.07E+01	1.92E+00	1.19E+01	1.11E+01	1.16E+02
1272	489835.89	3859126.54	9.43604	5.76132	38.24174	15.77886	23.63605	13.0331	5.52741	5.76132	9.68E+01	2.59E+00	9.70E-04	8.17E-01	1.09E+01	1.80E+00	9.54E+00	9.55E+00	1.13E+02
1273	489885.89	3859126.54	9.20866	5.69535	20.55555	14.51571	23.70715	12.30087	4.67133	5.69535	9.44E+01	2.56E+00	5.21E-04	7.51E-01	1.09E+01	1.70E+00	8.07E+00	9.44E+00	1.09E+02
1274	489935.89	3859126.54	8.97389	5.54378	40.14166	13.50301	23.33777	11.6683	4.43093	5.54378	9.20E+01	2.49E+00	1.02E-03	6.99E-01	1.08E+01	1.61E+00	7.65E+00	9.19E+00	1.06E+02
1275	489985.89	3859126.54	8.76753	5.32917	26.18321	12.66926	22.74427	11.03336	4.27555	5.32917	8.99E+01	2.40E+00	6.64E-04	6.56E-01	1.05E+01	1.53E+00	7.38E+00	8.83E+00	1.04E+02
1276	490035.89	3859126.54	8.5646	4.95034	36.25324	12.09443	21.82975	10.36464	4.45333	4.95034	8.78E+01	2.23E+00	9.20E-04	6.26E-01	1.01E+01	1.43E+00	7.69E+00	8.20E+00	1.02E+02
1277	489585.89	3859176.54	11.96784	10.18179	28.69347	58.44051	33.9555	36.86582	10.2601	10.18179	1.23E+02	4.58E+00	7.28E-04	3.03E+00	1.56E+01	5.10E+00	1.77E+01	1.69E+01	1.52E+02
1278	489635.89	3859176.54	11.27751	10.11318	25.33686	53.26855	29.84791	21.69173	10.2107	10.11318	1.16E+02	4.55E+00	6.43E-04	2.76E+00	1.38E+01	3.00E+00	1.76E+01	1.68E+01	1.41E+02
1279	489685.89	3859176.54	10.62093	9.92796	41.07319	33.27594	25.75344	18.22827	10.0402	9.92796	1.09E+02	4.47E+00	1.04E-03	1.72E+00	1.19E+01	2.52E+00	1.73E+01	1.65E+01	1.30E+02
1280	489735.89	3859176.54	10.21	9.48017	27.65127	25.08592	22.68205	16.59334	9.62341	9.48017	1.05E+02	4.27E+00	7.01E-04	1.30E+00	1.05E+01	2.29E+00	1.66E+01	1.57E+01	1.24E+02
1281	489785.89	3859176.54	9.91545	8.69709	30.50604	20.67818	22.8153	15.33188	8.86908	8.69709	1.02E+02	3.91E+00	7.74E-04	1.07E+00	1.05E+01	2.12E+00	1.53E+01	1.44E+01	1.20E+02
1282	489835.89	3859176.54	9.66289	7.58265	38.66256	17.93902	22.49879	14.30712	7.77718	7.58265	9.91E+01	3.41E+00	9.81E-04	9.29E-01	1.04E+01	1.98E+00	1.34E+01	1.26E+01	1.17E+02
1283	489885.89	3859176.54	9.43506	6.12576	38.35813	16.04408	23.01126	13.44585	6.33706	6.12576	9.67E+01	2.76E+00	9.73E-04	8.31E-01	1.06E+01	1.86E+00	1.09E+01	1.02E+01	1.14E+02
1284	489935.89	3859176.54	9.20723	5.74161	32.82513	14.64954	23.10654	12.72085	4.98744	5.74161	9.44E+01	2.58E+00	8.33E-04	7.58E-01	1.06E+01	1.76E+00	8.61E+00	9.51E+00	1.09E+02
1285	489985.89	3859176.54	9.01174	5.76458	42.69649	13.46547	22.95448	12.0075	4.55797	5.76458	9.24E+01	2.59E+00	1.08E-03	6.97E-01	1.06E+01	1.66E+00	7.87E+00	9.55E+00	1.06E+02
1286	490035.89	3859176.54	8.78649	5.53378	28.78432	12.58889	22.306	11.43029	4.36008	5.53378	9.01E+01	2.49E+00	7.30E-04	6.52E-01	1.03E+01	1.58E+00	7.53E+00	9.17E+00	1.03E+02
1287	489685.89	3859226.54	11.56424	10.60809	47.74796	70.00377	28.62349	28.20855	10.6807	10.60809	1.19E+02	4.77E+00	1.21E-03	3.62E+00	1.32E+01	3.90E+00	1.84E+01	1.76E+01	1.45E+02
1288	489735.89	3859226.54	10.84374	10.53525	40.14577	41.32908	24.65987	18.744	10.6469	10.53525	1.11E+02	4.74E+00	1.02E-03	2.14E+00	1.14E+01	2.59E+00	1.84E+01	1.75E+01	1.33E+02
1289	489785.89	3859226.54	10.32904	10.21618	43.29511	28.72076	22.06819	17.00389	10.3527	10.21618	1.06E+02	4.60E+00	1.10E-03	1.49E+00	1.02E+01	2.35E+00	1.79E+01	1.69E+01	1.25E+02
1290	489835.89	3859226.54	9.97172	9.55769	28.74726	22.51828	22.25002	15.62768	9.73997	9.55769	1.02E+02	4.30E+00	7.29E-04	1.17E+00	1.03E+01	2.16E+00	1.68E+01	1.58E+01	1.21E+02
1291	489885.89	3859226.54	9.68853	8.49494	43.88401	18.91803	21.99057	14.55262	8.71228	8.49494	9.93E+01	3.82E+00	1.11E-03	9.79E-01	1.01E+01	2.01E+00	1.50E+01	1.41E+01	1.17E+02
1292	489935.89	3859226.54	9.44733	6.99966	49.7435	16.5773	22.40608	13.67977	7.23297	6.99966	9.69E+01	3.15E+00	1.26E-03	8.58E-01	1.03E+01	1.89E+00	1.25E+01	1.16E+01	1.14E+02
1293	489985.89	3859226.54	9.25825	6.15558	32.94822	14.80312	22.74065	12.81617	5.38036	6.15558	9.49E+01	2.77E+00	8.36E-04	7.66E-01	1.05E+01	1.77E+00	9.29E+00	1.02E+01	1.10E+02
1294	490035.89	3859226.54	9.02904	5.90491	45.826	13.59055	22.47919	12.22262	4.8416	5.90491	9.26E+01	2.66E+00	1.16E-03	7.04E-01	1.04E+01	1.69E+00	8.36E+00	9.78E+00	1.07E+02

1295	489735.89	3859276.54	11.99341	11.13194	62.30291	56.27074	27.42783	36.02018	11.1918	11.13194	1.23E+02	5.01E+00	1.58E-03	2.91E+00	1.26E+01	4.98E+00	1.93E+01	1.84E+01	1.49E+02
1296	489785.89	3859276.54	11.26057	11.12107	60.72061	55.88882	23.65874	22.27872	11.225	11.12107	1.15E+02	5.00E+00	1.54E-03	2.89E+00	1.09E+01	3.08E+00	1.94E+01	1.84E+01	1.38E+02
1297	489835.89	3859276.54	10.5469	10.91469	38.34661	34.3878	21.50665	17.46112	11.0324	10.91469	1.08E+02	4.91E+00	9.73E-04	1.78E+00	9.91E+00	2.41E+00	1.90E+01	1.81E+01	1.28E+02
1298	489885.89	3859276.54	10.07954	10.42054	53.99087	25.36509	21.69006	15.89369	10.6091	10.42054	1.03E+02	4.69E+00	1.37E-03	1.31E+00	1.00E+01	2.20E+00	1.83E+01	1.73E+01	1.23E+02
1299	489935.89	3859276.54	9.75273	9.48086	41.51413	20.46475	21.50481	14.69862	9.6947	9.48086	1.00E+02	4.27E+00	1.05E-03	1.06E+00	9.91E+00	2.03E+00	1.67E+01	1.57E+01	1.18E+02
1300	489985.89	3859276.54	9.52648	7.74764	61.73223	17.21913	22.01282	13.5815	8.00176	7.74764	9.77E+01	3.49E+00	1.57E-03	8.91E-01	1.01E+01	1.88E+00	1.38E+01	1.28E+01	1.15E+02
1301	490035.89	3859276.54	9.25799	6.23743	51.2175	15.39475	22.09934	12.99093	6.43144	6.23743	9.49E+01	2.81E+00	1.30E-03	7.97E-01	1.02E+01	1.80E+00	1.11E+01	1.03E+01	1.11E+02
1302	490458.06	3859590.74	9.18598	11.49291	30.98391	27.35198	18.51973	16.04703	11.94	11.49291	9.42E+01	5.17E+00	7.86E-04	1.42E+00	8.53E+00	2.22E+00	2.06E+01	1.90E+01	1.13E+02
1303	490508.06	3859590.74	8.86053	7.94383	29.69369	22.04731	18.20916	14.35662	8.28712	7.94383	9.09E+01	3.58E+00	7.53E-04	1.14E+00	8.39E+00	1.98E+00	1.43E+01	1.32E+01	1.07E+02
1304	490558.06	3859590.74	8.60962	6.90266	27.80666	18.8826	17.65963	13.04226	7.08141	6.90266	8.83E+01	3.11E+00	7.05E-04	9.77E-01	8.14E+00	1.80E+00	1.22E+01	1.14E+01	1.03E+02
1305	490608.06	3859590.74	8.40768	6.96638	25.49305	16.94317	16.92103	11.70936	7.00529	6.96638	8.62E+01	3.14E+00	6.47E-04	8.77E-01	7.80E+00	1.62E+00	1.21E+01	1.15E+01	1.00E+02
1306	490658.06	3859590.74	8.23595	5.88407	23.33048	14.96597	16.0214	10.94798	5.84231	5.88407	8.45E+01	2.65E+00	5.92E-04	7.75E-01	7.38E+00	1.51E+00	1.01E+01	9.75E+00	9.71E+01
1307	490708.06	3859590.74	8.08022	5.55277	22.89372	13.13021	14.98646	10.27816	5.28341	5.55277	8.29E+01	2.50E+00	5.81E-04	6.80E-01	6.91E+00	1.42E+00	9.12E+00	9.20E+00	9.43E+01
1308	490758.06	3859590.74	7.93957	5.22946	22.17699	11.65512	16.39251	9.54415	4.86717	5.22946	8.14E+01	2.35E+00	5.63E-04	6.03E-01	7.55E+00	1.32E+00	8.40E+00	8.66E+00	9.30E+01
1309	490808.06	3859590.74	7.78672	4.94991	21.40162	10.55921	17.82825	9.00784	4.54391	4.94991	7.98E+01	2.23E+00	5.43E-04	5.47E-01	8.22E+00	1.25E+00	7.85E+00	8.20E+00	9.17E+01
1310	490858.06	3859590.74	7.64174	4.67108	20.65062	9.57758	19.15709	8.51553	4.21612	4.67108	7.84E+01	2.10E+00	5.24E-04	4.96E-01	8.83E+00	1.18E+00	7.28E+00	7.74E+00	9.05E+01
1311	490458.06	3859640.74	10.46792	16.3866	24.07879	61.41932	18.13254	22.7578	16.9637	16.3866	1.07E+02	7.37E+00	6.11E-04	3.18E+00	8.36E+00	3.15E+00	2.93E+01	2.72E+01	1.32E+02
1312	490508.06	3859640.74	9.57567	13.95068	24.66978	37.04493	18.10702	18.48382	14.5605	13.95068	9.82E+01	6.28E+00	6.26E-04	1.92E+00	8.34E+00	2.56E+00	2.51E+01	2.31E+01	1.19E+02
1313	490558.06	3859640.74	9.06226	10.39763	24.03982	28.45525	17.83464	15.92017	10.8225	10.39763	9.29E+01	4.68E+00	6.10E-04	1.47E+00	8.22E+00	2.20E+00	1.87E+01	1.72E+01	1.11E+02
1314	490608.06	3859640.74	8.74109	7.44305	24.63839	22.82328	17.38153	14.05367	7.53286	7.44305	8.96E+01	3.35E+00	6.25E-04	1.18E+00	8.01E+00	1.94E+00	1.30E+01	1.23E+01	1.05E+02
1315	490658.06	3859640.74	8.50889	7.42135	24.64663	19.53449	16.73338	12.71205	7.46066	7.42135	8.73E+01	3.34E+00	6.25E-04	1.01E+00	7.71E+00	1.76E+00	1.29E+01	1.23E+01	1.02E+02
1316	490708.06	3859640.74	8.31229	6.42835	24.11258	17.10095	15.88301	11.75057	6.44632	6.42835	8.52E+01	2.89E+00	6.12E-04	8.85E-01	7.32E+00	1.62E+00	1.11E+01	1.07E+01	9.84E+01
1317	490758.06	3859640.74	8.14873	5.81097	23.07956	14.69426	14.90862	10.73081	5.818	5.81097	8.36E+01	2.62E+00	5.85E-04	7.61E-01	6.87E+00	1.48E+00	1.00E+01	9.63E+00	9.57E+01
1318	490808.06	3859640.74	7.9771	5.43913	21.71232	13.2432	15.42233	10.03732	5.40628	5.43913	8.18E+01	2.45E+00	5.51E-04	6.86E-01	7.11E+00	1.39E+00	9.33E+00	9.01E+00	9.37E+01
1319	490858.06	3859640.74	7.81253	5.16331	20.83365	12.03569	16.82602	9.45366	5.04336	5.16331	8.01E+01	2.32E+00	5.29E-04	6.23E-01	7.75E+00	1.31E+00	8.71E+00	8.56E+00	9.23E+01
1320	490608.06	3859690.74	9.52711	13.12278	21.66052	37.8647	17.55018	18.5715	13.7238	13.12278	9.77E+01	5.91E+00	5.49E-04	1.96E+00	8.09E+00	2.57E+00	2.37E+01	2.17E+01	1.18E+02
1321	490658.06	3859690.74	9.00171	8.86377	21.17217	28.58213	17.15601	15.80857	9.02311	8.86377	9.23E+01	3.99E+00	5.37E-04	1.48E+00	7.91E+00	2.19E+00	1.56E+01	1.47E+01	1.09E+02
1322	490708.06	3859690.74	8.6655	8.26044	20.25258	24.35008	16.5349	13.83233	8.37671	8.26044	8.89E+01	3.72E+00	5.14E-04	1.26E+00	7.62E+00	1.91E+00	1.45E+01	1.37E+01	1.04E+02
1323	490758.06	3859690.74	8.42787	7.30154	19.23723	19.86299	15.75263	12.41566	7.38537	7.30154	8.64E+01	3.29E+00	4.88E-04	1.03E+00	7.26E+00	1.72E+00	1.28E+01	1.21E+01	1.00E+02
1324	490808.06	3859690.74	8.22299	6.63974	19.79098	16.67917	14.79768	11.31401	6.70351	6.63974	8.43E+01	2.99E+00	5.02E-04	8.63E-01	6.82E+00	1.56E+00	1.16E+01	1.10E+01	9.71E+01
1325	490858.06	3859690.74	8.01037	6.30398	20.08073	15.11658	14.46965	10.63902	6.35959	6.30398	8.21E+01	2.84E+00	5.09E-04	7.83E-01	6.67E+00	1.47E+00	1.10E+01	1.04E+01	9.44E+01
1326	490708.06	3859740.74	9.50151	10.48317	20.30611	38.59831	16.88339	18.59963	10.8384	10.48317	9.74E+01	4.72E+00	5.15E-04	2.00E+00	7.78E+00	2.57E+00	1.87E+01	1.74E+01	1.16E+02
1327	490758.06	3859740.74	8.90993	9.65987	19.50096	29.60467	16.25379	16.23773	9.89161	9.65987	9.14E+01	4.35E+00	4.95E-04	1.53E+00	7.49E+00	2.24E+00	1.71E+01	1.60E+01	1.08E+02
1328	490808.06	3859740.74	8.54522	8.8776	19.52291	25.24818	15.48629	14.18939	9.07304	8.8776	8.76E+01	4.00E+00	4.95E-04	1.31E+00	7.14E+00	1.96E+00	1.57E+01	1.47E+01	1.03E+02
1329	490858.06	3859740.74	8.2691	8.18836	19.0499	21.80988	14.56169	12.81017	8.35741	8.18836	8.48E+01	3.69E+00	4.83E-04	1.13E+00	6.71E+00	1.77E+00	1.44E+01	1.36E+01	9.89E+01
1330	490786.56	3859749.39	8.79474	9.60398	19.21914	28.42876	15.91585	15.80176	9.87075	9.60398	9.02E+01	4.32E+00	4.88E-04	1.47E+00	7.33E+00	2.18E+00	1.70E+01	1.59E+01	1.07E+02
1331	490836.56	3859749.39	8.45398	8.82202	19.24396	24.47614	15.09712	13.93688	9.02585	8.82202	8.67E+01	3.97E+00	4.88E-04	1.27E+00	6.96E+00	1.93E+00	1.56E+01	1.46E+01	1.02E+02
1332	490786.56	3859799.39	10.21254	13.09221	20.58832	65.42572	16.26071	23.11001	13.6607	13.09221	1.05E+02	5.89E+00	5.22E-04	3.39E+00	7.49E+00	3.20E+00	2.36E+01	2.17E+01	1.27E+02
1333	490836.56	3859799.39	9.24393	10.98431	19.84289	38.09119	15.65393	18.29449	11.4587	10.98431	9.48E+01	4.94E+00	5.03E-04	1.97E+00	7.21E+00	2.53E+00	1.98E+01	1.82E+01	1.13E+02
1334	492307.84	3854508.36	2.94767	1.33943	2.66053	1.84837	11.70756	1.56041	1.35436	1.33943	3.02E+01	6.03E-01	6.75E-05	9.57E-02	5.40E+00	2.16E-01	2.34E+00	2.22E+00	3.67E+01
1335	486445.7	3854753.6	4.99034	4.16247	5.71028	2.74293	14.80299	2.05023	4.20587	4.16247	5.12E+01	1.87E+00	1.45E-04	1.42E-01	6.82E+00	2.83E-01	7.26E+00	6.90E+00	6.07E+01
1336	472599.75	3877830.11	0.44169	0.39277	0.42374	0.52015	1.77646	0.5393	0.39465	0.39277	4.53E+00	1.77E-01	1.07E-05	2.69E-02	8.19E-01	7.46E-02	6.81E-01	6.51E-01	5.66E+00
1337	493107.48	3866840.19	6.02423	1.76017	1.35368	2.10676	9.57928	2.22716	1.50277	1.76017	6.18E+01	7.92E-01	3.43E-05	1.09E-01	4.41E+00	3.08E-01	2.59E+00	2.92E+00	6.71E+01
1338	495815.79	3861662.87	2.89252	4.74144	4.59593	3.25572	10.04034	6.06661	4.73385	4.74144	2.97E+01	2.13E+00	1.17E-04	1.69E-01	4.63E+00	8.39E-01	8.17E+00	7.86E+00	3.77E+01
1339	480272.33	3841389.2	1.24859	0.25215	0.44548	0.39629	0.99672	0.67543	0.27578	0.25215	1.28E+01	1.13E-01	1.13E-05	2.05E-02	4.59E-01	9.34E-02	4.76E-01	4.18E-01	1.35E+01
1340	497005.18	3862813.64	3.24702	5.81315	4.29698	3.06564	8.31856	3.3085	5.99942	5.81315	3.33E+01	2.62E+00	1.09E-04	1.59E-01	3.83E+00	4.57E-01	1.04E+01	9.63E+00	4.11E+01
1341	493677.33	3860302.55	3.60107	2.73269	7.52405	5.87703	14.73419	7.34987	2.73359	2.73269	3.69E+01	1.23E+00	1.91E-04	3.04E-01	6.79E+00	1.02E+00	4.72E+00	4.53E+00	4.65E+01
1342	493727.33	3860302.55	3.57744	2.71194	7.50135	5.68372	14.1843	7.19403	2.71228	2.71194	3.67E+01	1.22E+00	1.90E-04	2.94E-01	6.54E+00	9.95E-01	4.68E+00	4.49E+00	4.59E+01
1343	493777.33	3860302.55	3.56168	2.68016	7.46215	5.52031	13.6222	7.03001	2.68363	2.68016	3.65E+01	1.21E+00	1.89E-04	2.86E-01	6.28E+00	9.72E-01	4.63E+00	4.44E+00	4.55E+01
1344	493827.33	3860302.55	3.54586	2.63701	7.40937	5.36646	13.04432	6.87591	2.6406	2.63701	3.64E+01	1.19E+00	1.88E-04	2.78E-01	6.01E+00	9.51E-01	4.56E+00	4.37E+00	4.50E+01
1345	493877.33	3860302.55	3.5219	2.62072	7.35121	5.185	12.43444	6.7378	2.62434	2.62072	3.61E+01	1.18E+00	1.86E-04	2.68E-01	5.73E+00	9.32E-01	4.53E+00	4.34E+00	4.44E+01
1346	493927.33	3860302.55	3.49303	2.61621	7.28561	5.10358	11.80695	6.60862	2.61948	2.61621	3.58E+01	1.18E+00	1.85E-04	2.64E-01	5.44E+00	9.14E-01	4.52E+00	4.33E+00	4.38E+01
1347	493977.33	3860302.55	3.4952	2.55616	7.17677	5.22628	11.25606	6.47312	2.55932	2.55616	3.58E+01	1.15E+00	1.82E-04	2.71E-01	5.19E+00	8.95E-01	4.42E+00	4.24E+00	4.35E+01
1348	494027.33	3860302.55	3.48116	2.52501	7.0703	5.2645	10.6637	6.33663	2.52858	2.52501	3.57E+01	1.14E+00	1.79E-04	2.73E-01	4.91E+00	8.76E-01	4.37E+00	4.18E+00	4.31E+01
1349	493677.33	3860352.55	3.61582	2.62136	7.1044	6.39823	15.32898	7.8898	2.63073	2.62136	3.71E+01	1.18E+00	1.80E-04	3.31E-01	7.06E+00	1.09E+00	4.54E+00	4.34E+00	4.69E+01
1350	493727.33	3860352.55	3.58322	2.60298	7.14886	6.15607	14.83062	7.70466	2.60953	2.60298	3.67E+01	1.17E+00	1.81E-04	3.19E-01	6.83E+00	1.07E+00	4.51E+00	4.31E+00	4.63E+01
1351	493777.33	3860352.55	3.55093	2.58325	7.17639	5.92465	14.30294	7.52765	2.58445	2.58325	3.64E+01	1.16E+00	1.82E-04	3.07E-01	6.59E+00	1.04E+00	4.46E+00	4.28E+00	4.57E+01
1352	493827.33	3860352.55	3.52415	2.56879	7.18767	5.71277	13.76996	7.36738	2.57153	2.56879	3.61E+01	1.16E+00	1.82E-04	2.96E-01	6.35E+00	1.02E+00	4.44E+00	4.26E+00	4.51E+01
1353	493877.33	3860352.55	3.51075	2.54944	7.18502	5.52676	13.23206	7.21364	2.55848	2.54944	3.60E+01	1.15E+00	1.82E-04	2.86E-01	6.10E+00	9.97E-01	4.42E+00	4.22E+00	4.47E+01

1354	493927.33	3860352.55	3.50447	2.51752	7.16681	5.53424	12.69897	7.06895	2.52532	2.51752	3.59E+01	1.13E+00	1.82E-04	2.86E-01	5.85E+00	9.77E-01	4.36E+00	4.17E+00	4.44E+01
1355	493977.33	3860352.55	3.5028	2.44445	7.13062	5.46718	12.16522	6.90915	2.45481	2.44445	3.59E+01	1.10E+00	1.81E-04	2.83E-01	5.61E+00	9.55E-01	4.24E+00	4.05E+00	4.41E+01
1356	494027.33	3860352.55	3.48106	2.43036	7.09558	5.29746	11.56978	6.78321	2.43893	2.43036	3.57E+01	1.09E+00	1.80E-04	2.74E-01	5.33E+00	9.38E-01	4.21E+00	4.03E+00	4.35E+01
1357	493677.33	3860402.55	3.61184	2.72011	7.4883	6.87633	15.76556	7.85975	2.58738	2.72011	3.70E+01	1.22E+00	1.90E-04	3.56E-01	7.27E+00	1.09E+00	4.47E+00	4.51E+00	4.69E+01
1358	493727.33	3860402.55	3.58227	2.6574	7.35078	6.66109	15.28455	7.62541	2.52769	2.6574	3.67E+01	1.20E+00	1.86E-04	3.45E-01	7.04E+00	1.05E+00	4.36E+00	4.40E+00	4.63E+01
1359	493777.33	3860402.55	3.57491	2.55083	7.10839	6.50722	14.92286	7.83778	2.51139	2.55083	3.67E+01	1.15E+00	1.80E-04	3.37E-01	6.88E+00	1.08E+00	4.34E+00	4.23E+00	4.62E+01
1360	493827.33	3860402.55	3.53728	2.50953	7.00625	6.28417	14.41356	7.55297	2.48856	2.50953	3.63E+01	1.13E+00	1.78E-04	3.25E-01	6.64E+00	1.04E+00	4.30E+00	4.16E+00	4.56E+01
1361	493877.33	3860402.55	3.50762	2.45498	6.8657	6.08215	13.90596	7.38533	2.46238	2.45498	3.60E+01	1.10E+00	1.74E-04	3.15E-01	6.41E+00	1.02E+00	4.25E+00	4.07E+00	4.50E+01
1362	493927.33	3860402.55	3.49737	2.42927	6.80186	5.9065	13.44591	7.47972	2.44207	2.42927	3.59E+01	1.09E+00	1.73E-04	3.06E-01	6.20E+00	1.03E+00	4.22E+00	4.03E+00	4.47E+01
1363	493977.33	3860402.55	3.50122	2.43816	6.81862	5.93704	12.97946	7.31898	2.39021	2.43816	3.59E+01	1.10E+00	1.73E-04	3.07E-01	5.98E+00	1.01E+00	4.13E+00	4.04E+00	4.44E+01
1364	494027.33	3860402.55	3.47661	2.36826	6.8429	5.70177	12.40274	7.18687	2.38748	2.36826	3.56E+01	1.07E+00	1.74E-04	2.95E-01	5.72E+00	9.94E-01	4.12E+00	3.92E+00	4.39E+01
1365	493677.33	3860452.55	3.61913	2.92494	7.73766	6.73738	16.41364	8.79479	2.68166	2.92494	3.71E+01	1.32E+00	1.96E-04	3.49E-01	7.56E+00	1.22E+00	4.63E+00	4.85E+00	4.73E+01
1366	493727.33	3860452.55	3.57754	2.87757	7.53117	6.61154	15.80043	8.56478	2.63253	2.87757	3.67E+01	1.30E+00	1.91E-04	3.42E-01	7.28E+00	1.18E+00	4.55E+00	4.77E+00	4.66E+01
1367	493777.33	3860452.55	3.55244	2.80556	7.41522	6.50142	15.23437	8.29166	2.58009	2.80556	3.64E+01	1.26E+00	1.88E-04	3.37E-01	7.02E+00	1.15E+00	4.45E+00	4.65E+00	4.60E+01
1368	493827.33	3860452.55	3.54062	2.71321	7.36208	6.3961	14.87873	8.00756	2.52185	2.71321	3.63E+01	1.22E+00	1.87E-04	3.31E-01	6.86E+00	1.11E+00	4.35E+00	4.50E+00	4.57E+01
1369	493877.33	3860452.55	3.52375	2.62966	7.27859	6.30026	14.4873	7.71791	2.46662	2.62966	3.61E+01	1.18E+00	1.85E-04	3.26E-01	6.68E+00	1.07E+00	4.26E+00	4.36E+00	4.53E+01
1370	493927.33	3860452.55	3.5234	2.51539	7.05466	6.31796	14.12564	7.82794	2.44334	2.51539	3.61E+01	1.13E+00	1.79E-04	3.27E-01	6.51E+00	1.08E+00	4.22E+00	4.17E+00	4.52E+01
1371	493977.33	3860452.55	3.49684	2.45729	6.91027	6.14805	13.63629	7.67864	2.39697	2.45729	3.59E+01	1.11E+00	1.75E-04	3.18E-01	6.28E+00	1.06E+00	4.14E+00	4.07E+00	4.47E+01
1372	494027.33	3860452.55	3.4689	2.41144	6.77116	5.97844	13.12291	7.52867	2.35321	2.41144	3.56E+01	1.09E+00	1.72E-04	3.09E-01	6.05E+00	1.04E+00	4.06E+00	4.00E+00	4.41E+01
1373	493677.33	3860502.55	3.61769	3.12269	7.70051	6.57927	16.88531	9.91443	2.89372	3.12269	3.71E+01	1.41E+00	1.95E-04	3.41E-01	7.78E+00	1.37E+00	5.00E+00	5.17E+00	4.78E+01
1374	493727.33	3860502.55	3.58376	3.05363	7.56746	6.3241	16.37353	9.48342	2.81281	3.05363	3.67E+01	1.37E+00	1.92E-04	3.27E-01	7.55E+00	1.31E+00	4.86E+00	5.06E+00	4.71E+01
1375	493777.33	3860502.55	3.5606	2.97716	7.49239	6.20834	15.87172	9.12922	2.72536	2.97716	3.65E+01	1.34E+00	1.90E-04	3.21E-01	7.31E+00	1.26E+00	4.71E+00	4.93E+00	4.65E+01
1376	493827.33	3860502.55	3.5383	2.90296	7.41677	6.17787	15.35296	8.80554	2.63819	2.90296	3.63E+01	1.31E+00	1.88E-04	3.20E-01	7.08E+00	1.22E+00	4.55E+00	4.81E+00	4.59E+01
1377	493877.33	3860502.55	3.52769	2.81879	7.39549	6.13509	14.88279	8.62644	2.54375	2.81879	3.62E+01	1.27E+00	1.88E-04	3.18E-01	6.86E+00	1.19E+00	4.39E+00	4.67E+00	4.55E+01
1378	493927.33	3860502.55	3.52271	2.71836	7.38984	6.1199	14.58041	8.42526	2.49473	2.71836	3.61E+01	1.22E+00	1.87E-04	3.17E-01	6.72E+00	1.16E+00	4.31E+00	4.50E+00	4.53E+01
1379	493977.33	3860502.55	3.4946	2.65781	7.26957	6.03344	14.14789	8.16308	2.44687	2.65781	3.58E+01	1.20E+00	1.84E-04	3.12E-01	6.52E+00	1.13E+00	4.22E+00	4.40E+00	4.48E+01
1380	494027.33	3860502.55	3.47222	2.58778	7.17337	5.96037	13.71164	7.92283	2.40131	2.58778	3.56E+01	1.16E+00	1.82E-04	3.09E-01	6.32E+00	1.10E+00	4.15E+00	4.29E+00	4.43E+01
1381	493627.33	3860552.55	3.63667	3.35174	7.44874	7.32608	17.51848	12.16118	3.17719	3.35174	3.73E+01	1.51E+00	1.89E-04	3.79E-01	8.07E+00	1.68E+00	5.49E+00	5.55E+00	4.89E+01
1382	493677.33	3860552.55	3.60358	3.28657	7.3877	7.05407	17.1302	11.51151	3.10173	3.28657	3.70E+01	1.48E+00	1.87E-04	3.65E-01	7.89E+00	1.59E+00	5.36E+00	5.45E+00	4.82E+01
1383	493727.33	3860552.55	3.57431	3.21526	7.33861	6.77875	16.71949	10.96195	3.02042	3.21526	3.67E+01	1.45E+00	1.86E-04	3.51E-01	7.71E+00	1.52E+00	5.21E+00	5.33E+00	4.76E+01
1384	493777.33	3860552.55	3.55674	3.13772	7.3429	6.5178	16.32307	10.42834	2.93096	3.13772	3.65E+01	1.41E+00	1.86E-04	3.37E-01	7.52E+00	1.44E+00	5.06E+00	5.20E+00	4.70E+01
1385	493827.33	3860552.55	3.54703	3.05285	7.37703	6.26568	15.93336	9.90937	2.83228	3.05285	3.64E+01	1.37E+00	1.87E-04	3.24E-01	7.34E+00	1.37E+00	4.89E+00	5.06E+00	4.66E+01
1386	493877.33	3860552.55	3.52117	2.9824	7.31141	6.04881	15.42801	9.50625	2.75349	2.9824	3.61E+01	1.34E+00	1.85E-04	3.13E-01	7.11E+00	1.31E+00	4.75E+00	4.94E+00	4.60E+01
1387	493927.33	3860552.55	3.50944	2.90788	7.31291	5.85641	14.96334	9.13245	2.6652	2.90788	3.60E+01	1.31E+00	1.86E-04	3.03E-01	6.90E+00	1.26E+00	4.60E+00	4.82E+00	4.55E+01
1388	493977.33	3860552.55	3.50065	2.82784	7.31928	5.67076	14.55379	8.915	2.57519	2.82784	3.59E+01	1.27E+00	1.86E-04	2.94E-01	6.71E+00	1.23E+00	4.45E+00	4.69E+00	4.52E+01
1389	494027.33	3860552.55	3.47461	2.76511	7.23139	5.66061	14.1693	8.59767	2.50263	2.76511	3.56E+01	1.24E+00	1.83E-04	2.93E-01	6.53E+00	1.19E+00	4.32E+00	4.58E+00	4.46E+01
1390	493627.33	3860602.55	3.63514	3.45997	7.02389	7.42204	17.54189	15.50967	3.32907	3.45997	3.73E+01	1.56E+00	1.78E-04	3.84E-01	8.08E+00	2.14E+00	5.75E+00	5.73E+00	4.95E+01
1391	493727.33	3860602.55	3.56164	3.35247	6.86534	7.05741	16.87228	12.85214	3.20136	3.35247	3.65E+01	1.51E+00	1.74E-04	3.65E-01	7.78E+00	1.78E+00	5.53E+00	5.55E+00	4.79E+01
1392	493777.33	3860602.55	3.55627	3.27361	7.0406	6.90112	16.63597	12.31722	3.11497	3.27361	3.65E+01	1.47E+00	1.79E-04	3.57E-01	7.67E+00	1.70E+00	5.38E+00	5.42E+00	4.76E+01
1393	493827.33	3860602.55	3.53685	3.20042	7.07092	6.69806	16.27987	11.65065	3.02991	3.20042	3.63E+01	1.44E+00	1.79E-04	3.47E-01	7.50E+00	1.61E+00	5.23E+00	5.30E+00	4.71E+01
1394	493877.33	3860602.55	3.52889	3.11447	7.14432	6.49992	15.93447	11.04647	2.92926	3.11447	3.62E+01	1.40E+00	1.81E-04	3.36E-01	7.34E+00	1.53E+00	5.06E+00	5.16E+00	4.67E+01
1395	493927.33	3860602.55	3.51366	3.04084	7.16855	6.28237	15.52012	10.44778	2.84439	3.04084	3.60E+01	1.37E+00	1.82E-04	3.25E-01	7.15E+00	1.44E+00	4.91E+00	5.04E+00	4.62E+01
1396	493977.33	3860602.55	3.50058	2.96752	7.19164	6.06299	15.081	9.93459	2.75684	2.96752	3.59E+01	1.34E+00	1.82E-04	3.14E-01	6.95E+00	1.37E+00	4.76E+00	4.92E+00	4.57E+01
1397	494027.33	3860602.55	3.47212	2.9076	7.12707	5.83162	14.54884	9.53233	2.68882	2.9076	3.56E+01	1.31E+00	1.81E-04	3.02E-01	6.70E+00	1.32E+00	4.64E+00	4.82E+00	4.51E+01
1398	493627.33	3860652.55	3.63442	3.51992	7.13562	6.95031	17.3561	26.09315	3.43385	3.51992	3.73E+01	1.58E+00	1.81E-04	3.60E-01	8.00E+00	3.61E+00	5.93E+00	5.83E+00	5.09E+01
1399	493727.33	3860652.55	3.56215	3.40898	6.73972	6.89016	16.90767	17.82658	3.30002	3.40898	3.65E+01	1.53E+00	1.71E-04	3.57E-01	7.79E+00	2.46E+00	5.70E+00	5.65E+00	4.87E+01
1400	493777.33	3860652.55	3.54949	3.35217	6.652	6.85629	16.73719	15.82564	3.23072	3.35217	3.64E+01	1.51E+00	1.69E-04	3.55E-01	7.71E+00	2.19E+00	5.58E+00	5.55E+00	4.82E+01
1401	493827.33	3860652.55	3.5376	3.29426	6.59922	6.78489	16.51653	14.19005	3.16125	3.29426	3.63E+01	1.48E+00	1.67E-04	3.51E-01	7.61E+00	1.96E+00	5.46E+00	5.46E+00	4.77E+01
1402	493877.33	3860652.55	3.53014	3.22703	6.77373	6.68824	16.26337	13.3244	3.08362	3.22703	3.62E+01	1.45E+00	1.72E-04	3.46E-01	7.49E+00	1.84E+00	5.32E+00	5.35E+00	4.73E+01
1403	493927.33	3860652.55	3.51285	3.15626	6.84156	6.54784	15.91855	12.49537	3.00543	3.15626	3.60E+01	1.42E+00	1.74E-04	3.39E-01	7.34E+00	1.73E+00	5.19E+00	5.23E+00	4.68E+01
1404	493977.33	3860652.55	3.4943	3.0913	6.88266	6.38711	15.52265	11.76995	2.92639	3.0913	3.58E+01	1.39E+00	1.75E-04	3.31E-01	7.15E+00	1.63E+00	5.05E+00	5.12E+00	4.63E+01
1405	494027.33	3860652.55	3.48484	3.01631	6.95265	6.22339	15.13863	11.02923	2.83761	3.01631	3.57E+01	1.36E+00	1.76E-04	3.22E-01	6.98E+00	1.52E+00	4.90E+00	5.00E+00	4.58E+01
1406	494311.06	3858401.99	3.58781	0.78616	1.66146	1.86255	12.33829	1.6124	0.80551	0.78616	3.68E+01	3.54E-01	4.21E-05	9.64E-02	5.69E+00	2.23E-01	1.39E+00	1.30E+00	4.32E+01
1407	494361.06	3858401.99	3.58424	0.79306	1.63793	1.85638	12.20311	1.61048	0.81126	0.79306	3.68E+01	3.57E-01	4.16E-05	9.61E-02	5.62E+00	2.23E-01	1.40E+00	1.31E+00	4.31E+01
1408	494411.06	3858401.99	3.582	0.7994	1.61544	1.8502	12.06393	1.60867	0.81654	0.7994	3.67E+01	3.60E-01	4.10E-05	9.58E-02	5.56E+00	2.22E-01	1.41E+00	1.32E+00	4.31E+01
1409	494461.06	3858401.99	3.5811	0.80512	1.59369	1.84427	11.92275	1.60706	0.82132	0.80512	3.67E+01	3.62E-01	4.04E-05	9.55E-02	5.49E+00	2.22E-01	1.42E+00	1.33E+00	4.30E+01
1410	494511.06	3858401.99	3.57864	0.81006	1.56735	1.83842	11.77409	1.60533	0.82549	0.81006	3.67E+01	3.65E-01	3.98E-05	9.52E-02	5.43E+00	2.22E-01	1.43E+00	1.34E+00	4.29E+01
1411	494561.06	3858401.99	3.5776	0.81438	1.54201	1.83264	11.62356	1.60382	0.83051	0.81438	3.67E+01	3.67E-01	3.91E-05	9.49E-02	5.36E+00	2.22E-01	1.43E+00	1.35E+00	4.28E+01
1412	494611.06	3858401.99	2.81388	0.81789	1.51312	1.82685	11.46616	1.60213	0.83164	0.81789	2.89E+01	3.68E-01	3.84E-05	9.46E-02	5.28E+00	2.21E-01	1.44E+00	1.36E+00	3.49E+01

1413	494661.06	3858401.99	2.8075	0.8207	1.16244	1.82114	5.65298	1.6132	0.83377	0.8207	2.88E+01	3.69E-01	2.95E-05	9.43E-02	2.61E+00	2.23E-01	1.44E+00	1.36E+00	3.22E+01
1414	494711.06	3858401.99	2.79995	0.82274	1.13949	1.81542	5.57246	1.6742	0.83516	0.82274	2.87E+01	3.70E-01	2.89E-05	9.40E-02	2.57E+00	2.31E-01	1.44E+00	1.36E+00	3.21E+01
1415	494761.06	3858401.99	2.79409	0.82413	1.11597	1.80993	5.49053	1.72889	0.83597	0.82413	2.87E+01	3.71E-01	2.83E-05	9.37E-02	2.53E+00	2.39E-01	1.44E+00	1.37E+00	3.20E+01
1416	494811.06	3858401.99	2.7873	0.82475	1.09178	1.80451	5.40725	1.78921	0.83604	0.82475	2.86E+01	3.71E-01	2.77E-05	9.34E-02	2.49E+00	2.47E-01	1.44E+00	1.37E+00	3.19E+01
1417	494861.06	3858401.99	2.78058	0.82464	1.06713	1.79915	5.32248	1.84899	0.83543	0.82464	2.85E+01	3.71E-01	2.71E-05	9.31E-02	2.45E+00	2.56E-01	1.44E+00	1.37E+00	3.18E+01
1418	494911.06	3858401.99	2.7739	0.82381	1.04209	1.79394	5.23689	1.90995	0.83414	0.82381	2.84E+01	3.71E-01	2.64E-05	9.29E-02	2.41E+00	2.64E-01	1.44E+00	1.37E+00	3.17E+01
1419	494961.06	3858401.99	2.7672	0.82225	1.01674	1.78879	5.15034	1.97297	0.83215	0.82225	2.84E+01	3.70E-01	2.58E-05	9.26E-02	2.37E+00	2.73E-01	1.44E+00	1.36E+00	3.16E+01
1420	495011.06	3858401.99	2.75954	0.81993	1.02205	1.7837	5.06314	2.04516	0.8308	0.81993	2.83E+01	3.69E-01	2.59E-05	9.23E-02	2.33E+00	2.83E-01	1.43E+00	1.36E+00	3.14E+01
1421	495061.06	3858401.99	2.7525	0.81698	1.03435	1.77867	4.97504	2.11286	0.82611	0.81698	2.82E+01	3.68E-01	2.62E-05	9.21E-02	2.29E+00	2.92E-01	1.43E+00	1.35E+00	3.13E+01
1422	495111.06	3858401.99	2.74332	0.81324	1.04297	1.7737	4.8865	2.21224	0.82201	0.81324	2.81E+01	3.66E-01	2.65E-05	9.18E-02	2.25E+00	3.06E-01	1.42E+00	1.35E+00	3.12E+01
1423	495161.06	3858401.99	2.73789	0.809	1.0558	1.76879	4.79769	2.26474	0.81859	0.809	2.81E+01	3.64E-01	2.68E-05	9.16E-02	2.21E+00	3.13E-01	1.41E+00	1.34E+00	3.11E+01
1424	495211.06	3858401.99	2.72913	0.80504	0.93679	1.76395	4.70871	2.36673	0.81212	0.80504	2.80E+01	3.62E-01	2.38E-05	9.13E-02	2.17E+00	3.27E-01	1.40E+00	1.33E+00	3.10E+01
1425	495261.06	3858401.99	2.72212	0.79841	0.94232	1.75915	4.61935	2.44486	0.80626	0.79841	2.79E+01	3.59E-01	2.39E-05	9.11E-02	2.13E+00	3.38E-01	1.39E+00	1.32E+00	3.09E+01
1426	495311.06	3858401.99	2.71497	0.79216	0.94816	1.75442	4.5301	2.52746	0.79977	0.79216	2.78E+01	3.57E-01	2.41E-05	9.08E-02	2.09E+00	3.49E-01	1.38E+00	1.31E+00	3.08E+01
1427	495361.06	3858401.99	2.70846	0.78535	0.95468	1.74974	4.44078	2.60209	0.79274	0.78535	2.78E+01	3.53E-01	2.42E-05	9.06E-02	2.05E+00	3.60E-01	1.37E+00	1.30E+00	3.07E+01
1428	495411.06	3858401.99	2.70252	0.77801	0.96099	1.74511	4.3518	2.66694	0.78517	0.77801	2.77E+01	3.50E-01	2.44E-05	9.03E-02	2.01E+00	3.69E-01	1.36E+00	1.29E+00	3.06E+01
1429	495461.06	3858401.99	2.69689	0.77013	0.9671	1.74054	4.26268	2.73103	0.77706	0.77013	2.77E+01	3.47E-01	2.45E-05	9.01E-02	1.96E+00	3.78E-01	1.34E+00	1.28E+00	3.05E+01
1430	495511.06	3858401.99	2.691	0.76348	0.97299	1.73602	4.17416	2.80506	0.76928	0.76348	2.76E+01	3.44E-01	2.47E-05	8.99E-02	1.92E+00	3.88E-01	1.33E+00	1.27E+00	3.04E+01
1431	495561.06	3858401.99	2.68538	0.75282	0.97869	1.73155	4.09863	2.87446	0.75933	0.75282	2.75E+01	3.39E-01	2.48E-05	8.96E-02	1.89E+00	3.97E-01	1.31E+00	1.25E+00	3.03E+01
1432	495611.06	3858401.99	2.67939	0.74343	0.98417	1.72714	4.03683	2.95912	0.74974	0.74343	2.75E+01	3.35E-01	2.50E-05	8.94E-02	1.86E+00	4.09E-01	1.29E+00	1.23E+00	3.02E+01
1433	495661.06	3858401.99	2.67324	0.73358	0.98946	1.72277	3.9742	3.06001	0.73971	0.73358	2.74E+01	3.30E-01	2.51E-05	8.92E-02	1.83E+00	4.23E-01	1.28E+00	1.22E+00	3.01E+01
1434	494311.06	3858451.99	3.59216	0.76763	1.633	1.69548	12.69476	1.57688	0.79015	0.76763	3.68E+01	3.45E-01	4.14E-05	8.78E-02	5.85E+00	2.18E-01	1.36E+00	1.27E+00	4.34E+01
1435	494361.06	3858451.99	3.58907	0.77577	1.59939	1.69175	12.5973	1.57546	0.79854	0.77577	3.68E+01	3.49E-01	4.06E-05	8.76E-02	5.81E+00	2.18E-01	1.38E+00	1.29E+00	4.34E+01
1436	494411.06	3858451.99	3.58642	0.78484	1.56404	1.68752	12.49446	1.57417	0.80311	0.78484	3.68E+01	3.53E-01	3.97E-05	8.74E-02	5.76E+00	2.18E-01	1.39E+00	1.30E+00	4.33E+01
1437	494461.06	3858451.99	3.58411	0.79026	1.53006	1.68378	12.38589	1.57298	0.80888	0.79026	3.68E+01	3.56E-01	3.88E-05	8.72E-02	5.71E+00	2.17E-01	1.40E+00	1.31E+00	4.32E+01
1438	494511.06	3858451.99	3.58273	0.79658	1.49712	1.68065	12.27232	1.57188	0.81414	0.79658	3.67E+01	3.58E-01	3.80E-05	8.70E-02	5.66E+00	2.17E-01	1.41E+00	1.32E+00	4.31E+01
1439	494561.06	3858451.99	3.57965	0.80363	1.45998	1.67752	12.14974	1.57294	0.81868	0.80363	3.67E+01	3.62E-01	3.70E-05	8.68E-02	5.60E+00	2.17E-01	1.41E+00	1.33E+00	4.31E+01
1440	494611.06	3858451.99	3.57731	0.80702	1.42385	1.67432	12.02346	1.61717	0.82434	0.80702	3.67E+01	3.63E-01	3.61E-05	8.67E-02	5.54E+00	2.24E-01	1.42E+00	1.34E+00	4.30E+01
1441	494661.06	3858451.99	3.57474	0.81122	1.38698	1.67115	11.8918	1.66197	0.82603	0.81122	3.67E+01	3.65E-01	3.52E-05	8.65E-02	5.48E+00	2.30E-01	1.43E+00	1.34E+00	4.29E+01
1442	494711.06	3858451.99	3.57148	0.81622	1.34884	1.66774	11.75456	1.70946	0.82872	0.81622	3.66E+01	3.67E-01	3.42E-05	8.63E-02	5.42E+00	2.36E-01	1.43E+00	1.35E+00	4.28E+01
1443	494761.06	3858451.99	3.56821	0.81745	1.31092	1.66452	11.61156	1.7585	0.83076	0.81745	3.66E+01	3.68E-01	3.33E-05	8.62E-02	5.35E+00	2.43E-01	1.43E+00	1.35E+00	4.27E+01
1444	494811.06	3858451.99	2.8158	0.81952	1.27412	1.66123	11.46582	1.80568	0.83231	0.81952	2.89E+01	3.69E-01	3.23E-05	8.60E-02	5.28E+00	2.50E-01	1.44E+00	1.36E+00	3.49E+01
1445	494861.06	3858451.99	2.80921	0.82086	1.11285	1.65805	5.65876	1.85521	0.8329	0.82086	2.88E+01	3.69E-01	2.82E-05	8.58E-02	2.61E+00	2.56E-01	1.44E+00	1.36E+00	3.22E+01
1446	494911.06	3858451.99	2.80306	0.82301	1.12355	1.65488	5.58364	1.90069	0.83299	0.82301	2.87E+01	3.70E-01	2.85E-05	8.57E-02	2.57E+00	2.63E-01	1.44E+00	1.36E+00	3.21E+01
1447	494961.06	3858451.99	2.79469	0.82134	1.12862	1.65174	5.50661	1.96613	0.8323	0.82134	2.87E+01	3.70E-01	2.86E-05	8.55E-02	2.54E+00	2.72E-01	1.44E+00	1.36E+00	3.20E+01
1448	495011.06	3858451.99	2.78721	0.82049	1.1334	1.64868	5.42821	2.0289	0.83097	0.82049	2.86E+01	3.69E-01	2.88E-05	8.53E-02	2.50E+00	2.81E-01	1.43E+00	1.36E+00	3.19E+01
1449	495061.06	3858451.99	2.78141	0.81902	1.14189	1.64572	5.34858	2.07705	0.82905	0.81902	2.85E+01	3.69E-01	2.90E-05	8.52E-02	2.46E+00	2.87E-01	1.43E+00	1.36E+00	3.18E+01
1450	495111.06	3858451.99	2.77372	0.81803	1.14625	1.64277	5.26771	2.14674	0.82638	0.81803	2.84E+01	3.68E-01	2.91E-05	8.50E-02	2.43E+00	2.97E-01	1.43E+00	1.36E+00	3.17E+01
1451	495161.06	3858451.99	2.76573	0.81379	1.14927	1.63985	5.18573	2.228	0.82302	0.81379	2.84E+01	3.66E-01	2.92E-05	8.49E-02	2.39E+00	3.08E-01	1.42E+00	1.35E+00	3.16E+01
1452	495211.06	3858451.99	2.75808	0.81246	1.15239	1.63694	5.10282	2.31273	0.82136	0.81246	2.83E+01	3.66E-01	2.92E-05	8.47E-02	2.35E+00	3.20E-01	1.42E+00	1.35E+00	3.15E+01
1453	495261.06	3858451.99	2.75136	0.80593	1.15647	1.63404	5.01911	2.38537	0.81564	0.80593	2.82E+01	3.63E-01	2.93E-05	8.46E-02	2.31E+00	3.30E-01	1.41E+00	1.34E+00	3.14E+01
1454	495311.06	3858451.99	2.74501	0.80107	0.96342	1.63117	4.93465	2.45706	0.8093	0.80107	2.81E+01	3.61E-01	2.44E-05	8.44E-02	2.27E+00	3.40E-01	1.40E+00	1.33E+00	3.13E+01
1455	495361.06	3858451.99	2.73899	0.79559	0.97037	1.62831	4.84966	2.52957	0.80352	0.79559	2.81E+01	3.58E-01	2.46E-05	8.43E-02	2.23E+00	3.50E-01	1.39E+00	1.32E+00	3.12E+01
1456	495411.06	3858451.99	2.73359	0.78952	0.97733	1.62548	4.76438	2.59308	0.79718	0.78952	2.80E+01	3.55E-01	2.48E-05	8.41E-02	2.20E+00	3.58E-01	1.38E+00	1.31E+00	3.11E+01
1457	495461.06	3858451.99	2.72821	0.78391	0.98427	1.62266	4.67879	2.65885	0.79028	0.78391	2.80E+01	3.53E-01	2.50E-05	8.40E-02	2.16E+00	3.68E-01	1.36E+00	1.30E+00	3.10E+01
1458	495511.06	3858451.99	2.72161	0.77666	0.9911	1.61986	4.59298	2.75917	0.78382	0.77666	2.79E+01	3.50E-01	2.51E-05	8.39E-02	2.12E+00	3.81E-01	1.35E+00	1.29E+00	3.09E+01
1459	495561.06	3858451.99	2.71701	0.76786	0.99799	1.61708	4.50676	2.82587	0.77479	0.76786	2.79E+01	3.46E-01	2.53E-05	8.37E-02	2.08E+00	3.91E-01	1.34E+00	1.27E+00	3.08E+01
1460	495611.06	3858451.99	2.70985	0.75951	1.00471	1.61432	4.4209	2.95931	0.76623	0.75951	2.78E+01	3.42E-01	2.55E-05	8.36E-02	2.04E+00	4.09E-01	1.32E+00	1.26E+00	3.07E+01
1461	495661.06	3858451.99	2.70454	0.75073	1.01148	1.61157	4.33494	3.06089	0.75723	0.75073	2.77E+01	3.38E-01	2.57E-05	8.34E-02	2.00E+00	4.23E-01	1.31E+00	1.24E+00	3.06E+01
1462	494311.06	3858501.99	3.59075	0.74683	1.54368	1.58701	12.82934	1.54648	0.77436	0.74683	3.68E+01	3.36E-01	3.92E-05	8.22E-02	5.91E+00	2.14E-01	1.34E+00	1.24E+00	4.35E+01
1463	494361.06	3858501.99	3.58842	0.75759	1.53861	1.582	12.77505	1.54554	0.78221	0.75759	3.68E+01	3.41E-01	3.90E-05	8.19E-02	5.89E+00	2.14E-01	1.35E+00	1.26E+00	4.34E+01
1464	494411.06	3858501.99	3.58573	0.76626	1.46378	1.56957	12.71276	1.54444	0.78925	0.76626	3.68E+01	3.45E-01	3.71E-05	8.13E-02	5.86E+00	2.14E-01	1.36E+00	1.27E+00	4.34E+01
1465	494461.06	3858501.99	3.58395	0.77295	1.42476	1.56796	12.64339	1.54354	0.79447	0.77295	3.67E+01	3.48E-01	3.61E-05	8.12E-02	5.83E+00	2.13E-01	1.37E+00	1.28E+00	4.33E+01
1466	494511.06	3858501.99	3.58029	0.78038	1.38164	1.56585	12.56446	1.57117	0.80059	0.78038	3.67E+01	3.51E-01	3.50E-05	8.11E-02	5.79E+00	2.17E-01	1.38E+00	1.29E+00	4.32E+01
1467	494561.06	3858501.99	3.58025	0.78891	1.34585	1.56456	12.4845	1.60339	0.80973	0.78891	3.67E+01	3.55E-01	3.41E-05	8.10E-02	5.75E+00	2.22E-01	1.40E+00	1.31E+00	4.32E+01
1468	494611.06	3858501.99	3.57697	0.79512	1.30365	1.5625	12.39315	1.64019	0.81151	0.79512	3.67E+01	3.58E-01	3.31E-05	8.09E-02	5.71E+00	2.27E-01	1.40E+00	1.32E+00	4.31E+01
1469	494661.06	3858501.99	3.57467	0.8007	1.26197	1.56035	12.29621	1.67499	0.81607	0.8007	3.67E+01	3.60E-01	3.20E-05	8.08E-02	5.67E+00	2.32E-01	1.41E+00	1.33E+00	4.31E+01
1470	494711.06	3858501.99	3.57086	0.80395	1.21966	1.55795	12.1908	1.71313	0.81994	0.80395	3.66E+01	3.62E-01	3.09E-05	8.06E-02	5.62E+00	2.37E-01	1.42E+00	1.33E+00	4.30E+01
1471	494761.06	3858501.99	3.56655	0.80802	1.21569	1.5563	12.07934	1.75365	0.82313	0.80802	3.66E+01	3.64E-01	3.08E-05	8.06E-02	5.57E+00	2.42E-01	1.42E+00	1.34E+00	4.29E+01

1472	494811.06	3858501.99	3.56254	0.81143	1.22018	1.55464	11.96268	1.79488	0.82573	0.81143	3.65E+01	3.65E-01	3.10E-05	8.05E-02	5.51E+00	2.48E-01	1.43E+00	1.34E+00	4.28E+01
1473	494861.06	3858501.99	3.55968	0.81421	1.2256	1.55275	11.84195	1.83378	0.82777	0.81421	3.65E+01	3.66E-01	3.11E-05	8.04E-02	5.46E+00	2.54E-01	1.43E+00	1.35E+00	4.27E+01
1474	494911.06	3858501.99	2.82766	0.81616	1.22474	1.55086	11.71254	1.92671	0.82904	0.81616	2.90E+01	3.67E-01	3.11E-05	8.03E-02	5.40E+00	2.66E-01	1.43E+00	1.35E+00	3.52E+01
1475	494961.06	3858501.99	2.82154	0.81753	1.22775	1.54912	5.79147	1.92955	0.82978	0.81753	2.89E+01	3.68E-01	3.11E-05	8.02E-02	2.67E+00	2.67E-01	1.43E+00	1.35E+00	3.24E+01
1476	495011.06	3858501.99	2.81385	0.81811	1.2262	1.54723	5.72541	1.98786	0.82978	0.81811	2.89E+01	3.68E-01	3.11E-05	8.01E-02	2.64E+00	2.75E-01	1.43E+00	1.36E+00	3.23E+01
1477	495061.06	3858501.99	2.80839	0.81808	1.22854	1.54556	5.65729	2.03163	0.83067	0.81808	2.88E+01	3.68E-01	3.12E-05	8.00E-02	2.61E+00	2.81E-01	1.43E+00	1.36E+00	3.22E+01
1478	495111.06	3858501.99	2.79963	0.8172	1.22208	1.54388	5.58723	2.11309	0.82925	0.8172	2.87E+01	3.68E-01	3.10E-05	7.99E-02	2.57E+00	2.92E-01	1.43E+00	1.35E+00	3.21E+01
1479	495161.06	3858501.99	2.79237	0.81568	1.21976	1.54228	5.51545	2.18442	0.82586	0.81568	2.86E+01	3.67E-01	3.09E-05	7.98E-02	2.54E+00	3.02E-01	1.43E+00	1.35E+00	3.20E+01
1480	495211.06	3858501.99	2.7853	0.81475	1.2169	1.54067	5.44185	2.2634	0.82452	0.81475	2.86E+01	3.67E-01	3.09E-05	7.98E-02	2.51E+00	3.13E-01	1.42E+00	1.35E+00	3.19E+01
1481	495261.06	3858501.99	2.77912	0.81064	1.21488	1.53907	5.36703	2.33663	0.81999	0.81064	2.85E+01	3.65E-01	3.08E-05	7.97E-02	2.47E+00	3.23E-01	1.42E+00	1.34E+00	3.18E+01
1482	495311.06	3858501.99	2.77353	0.80717	1.21347	1.53746	5.29078	2.40236	0.81616	0.80717	2.84E+01	3.63E-01	3.08E-05	7.96E-02	2.44E+00	3.32E-01	1.41E+00	1.34E+00	3.17E+01
1483	495361.06	3858501.99	2.76797	0.80548	1.21132	1.53584	5.21341	2.47328	0.81292	0.80548	2.84E+01	3.63E-01	3.07E-05	7.95E-02	2.40E+00	3.42E-01	1.40E+00	1.33E+00	3.16E+01
1484	495411.06	3858501.99	2.7629	0.79829	1.20892	1.53423	5.13477	2.54431	0.80907	0.79829	2.83E+01	3.59E-01	3.07E-05	7.94E-02	2.37E+00	3.52E-01	1.40E+00	1.32E+00	3.16E+01
1485	495461.06	3858501.99	2.75778	0.79292	1.20572	1.53262	5.05542	2.62271	0.80097	0.79292	2.83E+01	3.57E-01	3.06E-05	7.93E-02	2.33E+00	3.63E-01	1.38E+00	1.31E+00	3.15E+01
1486	495511.06	3858501.99	2.75208	0.78692	1.20114	1.53101	4.9751	2.7194	0.79469	0.78692	2.82E+01	3.54E-01	3.05E-05	7.93E-02	2.29E+00	3.76E-01	1.37E+00	1.30E+00	3.14E+01
1487	495561.06	3858501.99	2.74761	0.78039	1.19767	1.5294	4.89411	2.79645	0.78789	0.78039	2.82E+01	3.51E-01	3.04E-05	7.92E-02	2.26E+00	3.87E-01	1.36E+00	1.29E+00	3.13E+01
1488	495611.06	3858501.99	2.74285	0.77329	1.19317	1.52779	4.8125	2.89011	0.78053	0.77329	2.81E+01	3.48E-01	3.03E-05	7.91E-02	2.22E+00	4.00E-01	1.35E+00	1.28E+00	3.12E+01
1489	495661.06	3858501.99	2.73609	0.76556	1.18515	1.52619	4.73036	3.19961	0.77258	0.76556	2.81E+01	3.45E-01	3.01E-05	7.90E-02	2.18E+00	4.42E-01	1.33E+00	1.27E+00	3.12E+01
1490	494311.06	3858551.99	3.58459	0.81437	1.68092	1.61628	12.74027	1.52008	0.8184	0.81437	3.68E+01	3.67E-01	4.26E-05	8.37E-02	5.87E+00	2.10E-01	1.41E+00	1.35E+00	4.34E+01
1491	494361.06	3858551.99	3.58547	0.76187	1.70468	1.62575	12.73533	1.52009	0.76562	0.76187	3.68E+01	3.43E-01	4.32E-05	8.42E-02	5.87E+00	2.10E-01	1.32E+00	1.26E+00	4.33E+01
1492	494411.06	3858551.99	3.58393	0.74441	1.71935	1.62372	12.71719	1.52194	0.77107	0.74441	3.67E+01	3.35E-01	4.36E-05	8.41E-02	5.86E+00	2.10E-01	1.33E+00	1.23E+00	4.33E+01
1493	494461.06	3858551.99	3.58263	0.75369	1.73148	1.62195	12.69175	1.55089	0.77868	0.75369	3.67E+01	3.39E-01	4.39E-05	8.40E-02	5.85E+00	2.14E-01	1.34E+00	1.25E+00	4.33E+01
1494	494511.06	3858551.99	3.58007	0.7623	1.73744	1.61842	12.65643	1.58028	0.78575	0.7623	3.67E+01	3.43E-01	4.41E-05	8.38E-02	5.83E+00	2.18E-01	1.36E+00	1.26E+00	4.33E+01
1495	494561.06	3858551.99	3.57783	0.77036	1.74125	1.6154	12.6139	1.60919	0.79246	0.77036	3.67E+01	3.47E-01	4.42E-05	8.36E-02	5.81E+00	2.22E-01	1.37E+00	1.28E+00	4.32E+01
1496	494611.06	3858551.99	3.57477	0.77776	1.74032	1.59851	12.56172	1.63857	0.79846	0.77776	3.67E+01	3.50E-01	4.41E-05	8.27E-02	5.79E+00	2.27E-01	1.38E+00	1.29E+00	4.32E+01
1497	494661.06	3858551.99	3.57197	0.78456	1.73737	1.58989	12.50257	1.66798	0.80562	0.78456	3.66E+01	3.53E-01	4.41E-05	8.23E-02	5.76E+00	2.31E-01	1.39E+00	1.30E+00	4.31E+01
1498	494711.06	3858551.99	3.56738	0.79394	1.317	1.565	12.43363	1.69996	0.8106	0.79394	3.66E+01	3.57E-01	3.34E-05	8.10E-02	5.73E+00	2.35E-01	1.40E+00	1.32E+00	4.31E+01
1499	494761.06	3858551.99	3.56282	0.79602	1.31575	1.53772	12.35826	1.73366	0.81494	0.79602	3.65E+01	3.58E-01	3.34E-05	7.96E-02	5.70E+00	2.40E-01	1.41E+00	1.32E+00	4.30E+01
1500	494811.06	3858551.99	3.5591	0.80082	1.31483	1.52514	12.27732	1.7672	0.81713	0.80082	3.65E+01	3.60E-01	3.34E-05	7.90E-02	5.66E+00	2.44E-01	1.41E+00	1.33E+00	4.29E+01
1501	494861.06	3858551.99	3.55442	0.80487	1.31087	1.50697	12.18891	1.80536	0.82029	0.80487	3.64E+01	3.62E-01	3.33E-05	7.80E-02	5.62E+00	2.50E-01	1.42E+00	1.33E+00	4.28E+01
1502	494911.06	3858551.99	3.54915	0.80971	1.30449	1.47905	12.09335	2.04267	0.82429	0.80971	3.64E+01	3.64E-01	3.31E-05	7.66E-02	5.57E+00	2.82E-01	1.42E+00	1.34E+00	4.28E+01
1503	494961.06	3858551.99	3.54484	0.8109	1.29887	1.47787	11.99323	1.89431	0.82483	0.8109	3.63E+01	3.65E-01	3.29E-05	7.65E-02	5.53E+00	2.62E-01	1.42E+00	1.34E+00	4.27E+01
1504	495011.06	3858551.99	3.53979	0.81288	1.29002	1.47683	11.88613	1.9506	0.82605	0.81288	3.63E+01	3.66E-01	3.27E-05	7.65E-02	5.48E+00	2.70E-01	1.43E+00	1.35E+00	4.26E+01
1505	495061.06	3858551.99	2.83288	0.81422	1.28402	1.47579	11.77598	2.00107	0.82669	0.81422	2.90E+01	3.66E-01	3.26E-05	7.64E-02	5.43E+00	2.77E-01	1.43E+00	1.35E+00	3.53E+01
1506	495111.06	3858551.99	2.82456	0.81477	1.2718	1.47467	5.83139	2.08164	0.82663	0.81477	2.90E+01	3.67E-01	3.23E-05	7.63E-02	2.69E+00	2.88E-01	1.43E+00	1.35E+00	3.25E+01
1507	495161.06	3858551.99	2.81777	0.81614	1.26281	1.47376	5.77295	2.156	0.826	0.81614	2.89E+01	3.67E-01	3.20E-05	7.63E-02	2.66E+00	2.98E-01	1.43E+00	1.35E+00	3.24E+01
1508	495211.06	3858551.99	2.8111	0.81394	1.25285	1.47285	5.71203	2.23456	0.82473	0.81394	2.88E+01	3.66E-01	3.18E-05	7.62E-02	2.63E+00	3.09E-01	1.42E+00	1.35E+00	3.23E+01
1509	495261.06	3858551.99	2.80526	0.81251	1.24511	1.472	5.64911	2.30985	0.82284	0.81251	2.88E+01	3.66E-01	3.16E-05	7.62E-02	2.60E+00	3.19E-01	1.42E+00	1.35E+00	3.22E+01
1510	495311.06	3858551.99	2.80052	0.81045	1.23852	1.47114	5.58392	2.37691	0.82035	0.81045	2.87E+01	3.65E-01	3.14E-05	7.62E-02	2.57E+00	3.29E-01	1.42E+00	1.34E+00	3.21E+01
1511	495361.06	3858551.99	2.79539	0.8077	1.23081	1.47028	5.51718	2.45495	0.8172	0.8077	2.87E+01	3.64E-01	3.12E-05	7.61E-02	2.54E+00	3.39E-01	1.41E+00	1.34E+00	3.21E+01
1512	495411.06	3858551.99	2.79077	0.80432	1.22358	1.46941	5.44847	2.52997	0.81344	0.80432	2.86E+01	3.62E-01	3.10E-05	7.61E-02	2.51E+00	3.50E-01	1.40E+00	1.33E+00	3.20E+01
1513	495461.06	3858551.99	2.78576	0.80026	1.21492	1.46853	5.37833	2.62107	0.80904	0.80026	2.86E+01	3.60E-01	3.08E-05	7.60E-02	2.48E+00	3.62E-01	1.40E+00	1.33E+00	3.19E+01
1514	495511.06	3858551.99	2.78109	0.7956	1.20652	1.46765	5.30667	2.75492	0.80405	0.7956	2.85E+01	3.58E-01	3.06E-05	7.60E-02	2.45E+00	3.81E-01	1.39E+00	1.32E+00	3.18E+01
1515	495561.06	3858551.99	2.77593	0.79029	1.19663	1.46677	5.23378	3.00321	0.79968	0.79029	2.85E+01	3.56E-01	3.04E-05	7.59E-02	2.41E+00	4.15E-01	1.38E+00	1.31E+00	3.18E+01
1516	495611.06	3858551.99	2.77041	0.78438	1.18579	1.46588	5.15957	3.24826	0.79223	0.78438	2.84E+01	3.53E-01	3.01E-05	7.59E-02	2.38E+00	4.49E-01	1.37E+00	1.30E+00	3.17E+01
1517	495661.06	3858551.99	2.76467	0.779	1.1742	1.46498	5.08437	3.48776	0.7866	0.779	2.83E+01	3.51E-01	2.98E-05	7.58E-02	2.34E+00	4.82E-01	1.36E+00	1.29E+00	3.17E+01
1518	494311.06	3858601.99	3.56296	0.88362	1.33885	1.51446	12.41671	1.50744	0.88809	0.88362	3.65E+01	3.98E-01	3.40E-05	7.84E-02	5.72E+00	2.08E-01	1.53E+00	1.46E+00	4.30E+01
1519	494361.06	3858601.99	3.57529	0.89355	1.78525	1.64784	12.47453	1.51441	0.89808	0.89355	3.67E+01	4.02E-01	4.53E-05	8.53E-02	5.75E+00	2.09E-01	1.55E+00	1.48E+00	4.32E+01
1520	494411.06	3858601.99	3.58058	0.87236	1.80154	1.66438	12.5112	1.74624	0.87681	0.87236	3.67E+01	3.93E-01	4.57E-05	8.62E-02	5.77E+00	2.41E-01	1.51E+00	1.45E+00	4.33E+01
1521	494461.06	3858601.99	3.57874	0.80439	1.79662	1.65975	12.5283	1.74692	0.80845	0.80439	3.67E+01	3.62E-01	4.56E-05	8.59E-02	5.77E+00	2.42E-01	1.40E+00	1.33E+00	4.32E+01
1522	494511.06	3858601.99	3.57602	0.74278	1.78676	1.6539	12.53553	1.71438	0.77006	0.74278	3.67E+01	3.34E-01	4.53E-05	8.56E-02	5.78E+00	2.37E-01	1.33E+00	1.23E+00	4.32E+01
1523	494561.06	3858601.99	3.57366	0.75188	1.77511	1.64969	12.53424	1.72167	0.78111	0.75188	3.66E+01	3.38E-01	4.50E-05	8.54E-02	5.78E+00	2.38E-01	1.35E+00	1.25E+00	4.32E+01
1524	494611.06	3858601.99	3.56922	0.76198	1.75621	1.63734	12.52243	1.65697	0.78596	0.76198	3.66E+01	3.43E-01	4.46E-05	8.48E-02	5.77E+00	2.29E-01	1.36E+00	1.26E+00	4.31E+01
1525	494661.06	3858601.99	3.56572	0.76796	1.73738	1.63159	12.50399	1.65875	0.79052	0.76796	3.66E+01	3.46E-01	4.41E-05	8.45E-02	5.76E+00	2.29E-01	1.36E+00	1.27E+00	4.31E+01
1526	494711.06	3858601.99	3.56081	0.77498	1.71348	1.62197	12.47584	1.68683	0.79617	0.77498	3.65E+01	3.49E-01	4.35E-05	8.40E-02	5.75E+00	2.33E-01	1.37E+00	1.28E+00	4.30E+01
1527	494761.06	3858601.99	3.55593	0.78159	1.68804	1.60995	12.43916	1.71704	0.80174	0.78159	3.65E+01	3.52E-01	4.28E-05	8.33E-02	5.73E+00	2.37E-01	1.38E+00	1.30E+00	4.30E+01
1528	494811.06	3858601.99	3.54927	0.78905	1.3689	1.56116	12.39249	1.7527	0.80776	0.78905	3.64E+01	3.55E-01	3.47E-05	8.08E-02	5.71E+00	2.42E-01	1.39E+00	1.31E+00	4.29E+01
1529	494861.06	3858601.99	3.54514	0.7929	1.35998	1.54179	12.34262	1.78798	0.81218	0.7929	3.64E+01	3.57E-01	3.45E-05	7.98E-02	5.69E+00	2.47E-01	1.40E+00	1.31E+00	4.28E+01
1530	494911.06	3858601.99	3.53892	0.79755	1.34573	1.50802	12.2825	2.16394	0.81418	0.79755	3.63E+01	3.59E-01	3.41E-05	7.81E-02	5.66E+00	2.99E-01	1.41E+00	1.32E+00	4.28E+01

1531	494961.06	3858601.99	3.53417	0.80158	1.33348	1.48647	12.21732	1.87934	0.81744	0.80158	3.62E+01	3.61E-01	3.38E-05	7.69E-02	5.63E+00	2.60E-01	1.41E+00	1.33E+00	4.27E+01
1532	495011.06	3858601.99	3.52922	0.80491	1.31999	1.45985	12.14564	1.93215	0.81976	0.80491	3.62E+01	3.62E-01	3.35E-05	7.56E-02	5.60E+00	2.67E-01	1.42E+00	1.33E+00	4.26E+01
1533	495061.06	3858601.99	3.52413	0.80759	1.30532	1.43126	12.06785	1.99329	0.82165	0.80759	3.61E+01	3.63E-01	3.31E-05	7.41E-02	5.56E+00	2.76E-01	1.42E+00	1.34E+00	4.25E+01
1534	495111.06	3858601.99	2.84687	0.80949	1.28604	1.43036	11.98082	2.08049	0.82283	0.80949	2.92E+01	3.64E-01	3.26E-05	7.40E-02	5.52E+00	2.88E-01	1.42E+00	1.34E+00	3.55E+01
1535	495161.06	3858601.99	2.84073	0.81084	1.27188	1.42983	5.94724	2.15532	0.82351	0.81084	2.91E+01	3.65E-01	3.23E-05	7.40E-02	2.74E+00	2.98E-01	1.42E+00	1.34E+00	3.27E+01
1536	495211.06	3858601.99	2.83563	0.81153	1.25936	1.42922	5.90136	2.22715	0.82358	0.81153	2.91E+01	3.65E-01	3.19E-05	7.40E-02	2.72E+00	3.08E-01	1.42E+00	1.34E+00	3.26E+01
1537	495261.06	3858601.99	2.83006	0.81152	1.2457	1.42868	5.85302	2.31128	0.82301	0.81152	2.90E+01	3.65E-01	3.16E-05	7.40E-02	2.70E+00	3.20E-01	1.42E+00	1.34E+00	3.26E+01
1538	495311.06	3858601.99	2.82498	0.81084	1.23276	1.42814	5.80194	2.39566	0.82181	0.81084	2.90E+01	3.65E-01	3.13E-05	7.39E-02	2.67E+00	3.31E-01	1.42E+00	1.34E+00	3.25E+01
1539	495361.06	3858601.99	2.82046	0.8095	1.22068	1.42766	5.74855	2.47854	0.81999	0.8095	2.89E+01	3.64E-01	3.10E-05	7.39E-02	2.65E+00	3.43E-01	1.42E+00	1.34E+00	3.24E+01
1540	495411.06	3858601.99	2.81598	0.80748	1.20812	1.42717	5.6926	2.6294	0.81753	0.80748	2.89E+01	3.63E-01	3.06E-05	7.39E-02	2.62E+00	3.64E-01	1.41E+00	1.34E+00	3.24E+01
1541	495461.06	3858601.99	2.81156	0.8048	1.19545	1.42669	5.63466	2.84143	0.81444	0.8048	2.88E+01	3.62E-01	3.03E-05	7.39E-02	2.60E+00	3.93E-01	1.41E+00	1.33E+00	3.23E+01
1542	495511.06	3858601.99	2.8062	0.80144	1.18062	1.4262	5.57436	3.05365	0.81068	0.80144	2.88E+01	3.61E-01	2.99E-05	7.38E-02	2.57E+00	4.22E-01	1.40E+00	1.33E+00	3.23E+01
1543	495561.06	3858601.99	2.80196	0.79748	1.17934	1.4257	5.51249	3.24419	0.80636	0.79748	2.87E+01	3.59E-01	2.99E-05	7.38E-02	2.54E+00	4.49E-01	1.39E+00	1.32E+00	3.22E+01
1544	495611.06	3858601.99	2.79614	0.79282	1.18748	1.42514	5.44858	3.44312	0.80137	0.79282	2.87E+01	3.57E-01	3.01E-05	7.38E-02	2.51E+00	4.76E-01	1.38E+00	1.31E+00	3.22E+01
1545	495661.06	3858601.99	2.79165	0.78762	1.19541	1.42464	5.38297	3.61792	0.79713	0.78762	2.86E+01	3.54E-01	3.03E-05	7.37E-02	2.48E+00	5.00E-01	1.38E+00	1.31E+00	3.21E+01
1546	494311.06	3858651.99	3.54843	1.01602	1.4208	1.52781	11.91204	1.51699	1.0214	1.01602	3.64E+01	4.57E-01	3.60E-05	7.91E-02	5.49E+00	2.10E-01	1.76E+00	1.68E+00	4.27E+01
1547	494361.06	3858651.99	3.56016	1.02803	1.77319	1.67961	12.01251	1.56927	1.03345	1.02803	3.65E+01	4.63E-01	4.50E-05	8.69E-02	5.54E+00	2.17E-01	1.78E+00	1.70E+00	4.29E+01
1548	494411.06	3858651.99	3.57218	1.03442	1.79191	1.71616	12.10291	1.99555	1.03994	1.03442	3.66E+01	4.66E-01	4.55E-05	8.88E-02	5.58E+00	2.76E-01	1.80E+00	1.71E+00	4.31E+01
1549	494461.06	3858651.99	3.56983	0.97009	1.77079	1.70789	12.16111	2.01542	0.9752	0.97009	3.66E+01	4.37E-01	4.49E-05	8.84E-02	5.60E+00	2.79E-01	1.68E+00	1.61E+00	4.31E+01
1550	494511.06	3858651.99	3.56644	0.89281	1.74534	1.69968	12.20898	1.98902	0.89745	0.89281	3.66E+01	4.02E-01	4.43E-05	8.80E-02	5.63E+00	2.75E-01	1.55E+00	1.48E+00	4.30E+01
1551	494561.06	3858651.99	3.56372	0.82198	1.71981	1.69204	12.24991	1.98055	0.8262	0.82198	3.65E+01	3.70E-01	4.36E-05	8.76E-02	5.65E+00	2.74E-01	1.43E+00	1.36E+00	4.30E+01
1552	494611.06	3858651.99	3.56026	0.75122	1.69105	1.68007	12.28153	1.95951	0.76843	0.75122	3.65E+01	3.38E-01	4.29E-05	8.70E-02	5.66E+00	2.71E-01	1.33E+00	1.24E+00	4.29E+01
1553	494661.06	3858651.99	3.55555	0.7494	1.65825	1.67186	12.30245	1.90545	0.77556	0.7494	3.65E+01	3.37E-01	4.21E-05	8.65E-02	5.67E+00	2.63E-01	1.34E+00	1.24E+00	4.29E+01
1554	494711.06	3858651.99	3.54961	0.75767	1.62069	1.66158	12.31306	1.80549	0.78219	0.75767	3.64E+01	3.41E-01	4.11E-05	8.60E-02	5.67E+00	2.50E-01	1.35E+00	1.26E+00	4.28E+01
1555	494761.06	3858651.99	3.54463	0.76717	1.58534	1.64667	12.31786	1.72227	0.78834	0.76717	3.63E+01	3.45E-01	4.02E-05	8.52E-02	5.68E+00	2.38E-01	1.36E+00	1.27E+00	4.28E+01
1556	494811.06	3858651.99	3.53798	0.77208	1.5459	1.63431	12.31205	2.0344	0.79368	0.77208	3.63E+01	3.47E-01	3.92E-05	8.46E-02	5.67E+00	2.81E-01	1.37E+00	1.28E+00	4.28E+01
1557	494861.06	3858651.99	3.53185	0.77852	1.50714	1.61392	12.29863	1.79022	0.79881	0.77852	3.62E+01	3.50E-01	3.82E-05	8.35E-02	5.67E+00	2.48E-01	1.38E+00	1.29E+00	4.27E+01
1558	494911.06	3858651.99	3.52528	0.78596	1.34912	1.56018	12.2771	2.29852	0.80523	0.78596	3.61E+01	3.54E-01	3.42E-05	8.08E-02	5.66E+00	3.18E-01	1.39E+00	1.30E+00	4.26E+01
1559	494961.06	3858651.99	3.51924	0.79121	1.32936	1.51773	12.24918	1.88831	0.80763	0.79121	3.61E+01	3.56E-01	3.37E-05	7.86E-02	5.64E+00	2.61E-01	1.39E+00	1.31E+00	4.25E+01
1560	495011.06	3858651.99	3.51419	0.79603	1.31087	1.49674	12.21531	1.94412	0.81613	0.79603	3.60E+01	3.58E-01	3.33E-05	7.75E-02	5.63E+00	2.69E-01	1.41E+00	1.32E+00	4.25E+01
1561	495061.06	3858651.99	3.5086	0.79832	1.29086	1.46666	12.17349	2.00949	0.81433	0.79832	3.60E+01	3.59E-01	3.27E-05	7.59E-02	5.61E+00	2.78E-01	1.41E+00	1.32E+00	4.24E+01
1562	495111.06	3858651.99	3.5023	0.80305	1.26896	1.42424	12.12322	2.09124	0.81671	0.80305	3.59E+01	3.61E-01	3.22E-05	7.37E-02	5.59E+00	2.89E-01	1.41E+00	1.33E+00	4.23E+01
1563	495161.06	3858651.99	3.49774	0.8043	1.25005	1.40513	12.0693	2.17	0.82019	0.8043	3.59E+01	3.62E-01	3.17E-05	7.27E-02	5.56E+00	3.00E-01	1.42E+00	1.33E+00	4.22E+01
1564	495211.06	3858651.99	3.49279	0.8063	1.22971	1.40473	12.00771	2.2655	0.82006	0.8063	3.58E+01	3.63E-01	3.12E-05	7.27E-02	5.53E+00	3.13E-01	1.42E+00	1.34E+00	4.22E+01
1565	495261.06	3858651.99	3.49005	0.80772	1.22451	1.40427	11.94389	2.34273	0.8207	0.80772	3.58E+01	3.64E-01	3.11E-05	7.27E-02	5.50E+00	3.24E-01	1.42E+00	1.34E+00	4.21E+01
1566	495311.06	3858651.99	2.84802	0.80988	1.23349	1.40394	11.8725	2.50984	0.82077	0.80988	2.92E+01	3.64E-01	3.13E-05	7.27E-02	5.47E+00	3.47E-01	1.42E+00	1.34E+00	3.55E+01
1567	495361.06	3858651.99	2.84387	0.80847	1.24222	1.40355	11.79638	2.69548	0.82162	0.80847	2.92E+01	3.64E-01	3.15E-05	7.27E-02	5.44E+00	3.73E-01	1.42E+00	1.34E+00	3.55E+01
1568	495411.06	3858651.99	2.83998	0.80785	1.25071	1.40323	11.71476	2.87182	0.81913	0.80785	2.91E+01	3.64E-01	3.17E-05	7.26E-02	5.40E+00	3.97E-01	1.41E+00	1.34E+00	3.54E+01
1569	495461.06	3858651.99	2.83647	0.80657	1.25896	1.40298	11.62909	3.03576	0.8173	0.80657	2.91E+01	3.63E-01	3.19E-05	7.26E-02	5.36E+00	4.20E-01	1.41E+00	1.34E+00	3.54E+01
1570	495511.06	3858651.99	2.83112	0.80454	1.26707	1.40253	11.5349	3.20138	0.81476	0.80454	2.90E+01	3.62E-01	3.21E-05	7.26E-02	5.32E+00	4.43E-01	1.41E+00	1.33E+00	3.53E+01
1571	495561.06	3858651.99	2.82629	0.80189	1.27494	1.40221	5.71861	3.35832	0.81167	0.80189	2.90E+01	3.61E-01	3.23E-05	7.26E-02	2.64E+00	4.64E-01	1.40E+00	1.33E+00	3.26E+01
1572	495611.06	3858651.99	2.82051	0.79855	1.28261	1.40176	5.66747	3.52242	0.80793	0.79855	2.89E+01	3.59E-01	3.25E-05	7.26E-02	2.61E+00	4.87E-01	1.39E+00	1.32E+00	3.25E+01
1573	495661.06	3858651.99	2.8162	0.79464	1.29001	1.40145	5.6145	3.67551	0.80364	0.79464	2.89E+01	3.58E-01	3.27E-05	7.25E-02	2.59E+00	5.08E-01	1.39E+00	1.32E+00	3.25E+01
1574	494311.06	3858701.99	3.53438	1.19309	1.6781	1.61736	11.24425	1.50806	1.19978	1.19309	3.62E+01	5.37E-01	4.26E-05	8.37E-02	5.18E+00	2.08E-01	2.07E+00	1.98E+00	4.23E+01
1575	494361.06	3858701.99	3.55082	1.23132	1.69828	1.779	11.39104	1.8986	1.23826	1.23132	3.64E+01	5.54E-01	4.31E-05	9.21E-02	5.25E+00	2.62E-01	2.14E+00	2.04E+00	4.27E+01
1576	494411.06	3858701.99	3.55846	1.21026	1.69008	1.78352	11.51307	2.19528	1.21709	1.21026	3.65E+01	5.45E-01	4.29E-05	9.23E-02	5.31E+00	3.04E-01	2.10E+00	2.01E+00	4.28E+01
1577	494461.06	3858701.99	3.55659	1.13709	1.65874	1.77186	11.61115	2.26091	1.14339	1.13709	3.65E+01	5.12E-01	4.21E-05	9.17E-02	5.35E+00	3.13E-01	1.97E+00	1.88E+00	4.28E+01
1578	494511.06	3858701.99	3.55228	1.06358	1.62152	1.75894	11.69805	2.26837	1.06937	1.06358	3.64E+01	4.79E-01	4.11E-05	9.11E-02	5.39E+00	3.14E-01	1.85E+00	1.76E+00	4.28E+01
1579	494561.06	3858701.99	3.54858	0.98443	1.58461	1.74743	11.77725	2.25504	0.9897	0.98443	3.64E+01	4.43E-01	4.02E-05	9.05E-02	5.43E+00	3.12E-01	1.71E+00	1.63E+00	4.27E+01
1580	494611.06	3858701.99	3.54143	0.89246	1.54031	1.73499	11.84216	2.15136	0.89714	0.89246	3.63E+01	4.02E-01	3.91E-05	8.98E-02	5.46E+00	2.97E-01	1.55E+00	1.48E+00	4.26E+01
1581	494661.06	3858701.99	3.53922	0.8257	1.50519	1.72562	11.90729	2.1688	0.83	0.8257	3.63E+01	3.72E-01	3.82E-05	8.93E-02	5.49E+00	3.00E-01	1.43E+00	1.37E+00	4.26E+01
1582	494711.06	3858701.99	3.52596	0.73749	1.44764	1.69668	11.94702	1.8592	0.76588	0.73749	3.62E+01	3.32E-01	3.67E-05	8.78E-02	5.51E+00	2.57E-01	1.32E+00	1.22E+00	4.24E+01
1583	494761.06	3858701.99	3.52634	0.74665	1.41729	1.69596	11.99995	1.97219	0.77503	0.74665	3.62E+01	3.36E-01	3.60E-05	8.78E-02	5.53E+00	2.73E-01	1.34E+00	1.24E+00	4.25E+01
1584	494811.06	3858701.99	3.51926	0.75477	1.37284	1.67721	12.03302	2.26224	0.77976	0.75477	3.61E+01	3.40E-01	3.48E-05	8.68E-02	5.55E+00	3.13E-01	1.35E+00	1.25E+00	4.25E+01
1585	494861.06	3858701.99	3.51322	0.76217	1.33563	1.65709	12.06017	1.96841	0.78562	0.76217	3.60E+01	3.43E-01	3.39E-05	8.58E-02	5.56E+00	2.72E-01	1.36E+00	1.26E+00	4.24E+01
1586	494911.06	3858701.99	3.50767	0.76905	1.31376	1.64522	12.07992	2.45567	0.79108	0.76905	3.60E+01	3.46E-01	3.33E-05	8.52E-02	5.57E+00	3.40E-01	1.37E+00	1.27E+00	4.24E+01
1587	494961.06	3858701.99	3.49878	0.77532	1.28874	1.57586	12.0866	1.92323	0.79599	0.77532	3.59E+01	3.49E-01	3.27E-05	8.16E-02	5.57E+00	2.66E-01	1.37E+00	1.28E+00	4.22E+01
1588	495011.06	3858701.99	3.49252	0.78417	1.29374	1.52912	12.08942	1.98875	0.80221	0.78417	3.58E+01	3.53E-01	3.28E-05	7.92E-02	5.57E+00	2.75E-01	1.39E+00	1.30E+00	4.22E+01
1589	495061.06	3858701.99	3.48859	0.78654	1.30325	1.51178	12.08858	2.05082	0.80486	0.78654	3.58E+01	3.54E-01	3.31E-05	7.83E-02	5.57E+00	2.84E-01	1.39E+00	1.30E+00	4.21E+01

1590	495111.06	3858701.99	3.48166	0.7911	1.3127	1.47318	12.07545	2.14069	0.80837	0.7911	3.57E+01	3.56E-01	3.33E-05	7.63E-02	5.56E+00	2.96E-01	1.40E+00	1.31E+00	4.21E+01
1591	495161.06	3858701.99	3.47715	0.79681	1.32169	1.45245	12.05946	2.22973	0.81143	0.79681	3.57E+01	3.59E-01	3.35E-05	7.52E-02	5.56E+00	3.08E-01	1.40E+00	1.32E+00	4.20E+01
1592	495211.06	3858701.99	3.47171	0.79842	1.33047	1.42416	12.0343	2.40286	0.81383	0.79842	3.56E+01	3.59E-01	3.38E-05	7.37E-02	5.55E+00	3.32E-01	1.41E+00	1.32E+00	4.20E+01
1593	495261.06	3858701.99	3.46876	0.8012	1.33883	1.42119	12.00581	2.56508	0.81581	0.8012	3.56E+01	3.61E-01	3.40E-05	7.36E-02	5.53E+00	3.55E-01	1.41E+00	1.33E+00	4.20E+01
1594	495311.06	3858701.99	3.46584	0.80331	1.34693	1.42568	11.97051	2.71961	0.81717	0.80331	3.55E+01	3.62E-01	3.42E-05	7.38E-02	5.52E+00	3.76E-01	1.41E+00	1.33E+00	4.19E+01
1595	495361.06	3858701.99	3.46232	0.8047	1.3548	1.4193	11.92817	2.8678	0.81786	0.8047	3.55E+01	3.62E-01	3.44E-05	7.35E-02	5.50E+00	3.96E-01	1.41E+00	1.33E+00	4.19E+01
1596	495411.06	3858701.99	3.45983	0.80695	1.36235	1.42999	11.88028	3.00398	0.81799	0.80695	3.55E+01	3.63E-01	3.46E-05	7.40E-02	5.47E+00	4.15E-01	1.41E+00	1.34E+00	4.19E+01
1597	495461.06	3858701.99	3.45662	0.80552	1.36969	1.433	11.82501	3.13722	0.81744	0.80552	3.54E+01	3.63E-01	3.47E-05	7.42E-02	5.45E+00	4.34E-01	1.41E+00	1.33E+00	4.18E+01
1598	495511.06	3858701.99	3.45289	0.80488	1.37681	1.42713	11.76339	3.27067	0.81625	0.80488	3.54E+01	3.62E-01	3.49E-05	7.39E-02	5.42E+00	4.52E-01	1.41E+00	1.33E+00	4.18E+01
1599	495561.06	3858701.99	3.44883	0.80356	1.3837	1.41102	11.69569	3.41126	0.81589	0.80356	3.54E+01	3.62E-01	3.51E-05	7.30E-02	5.39E+00	4.72E-01	1.41E+00	1.33E+00	4.17E+01
1600	495611.06	3858701.99	3.44473	0.80158	1.39035	1.39173	11.62168	3.56624	0.812	0.80158	3.53E+01	3.61E-01	3.53E-05	7.20E-02	5.36E+00	4.93E-01	1.40E+00	1.33E+00	4.17E+01
1601	495661.06	3858701.99	3.44134	0.79897	1.39671	1.39141	11.54338	3.73788	0.81033	0.79897	3.53E+01	3.60E-01	3.54E-05	7.20E-02	5.32E+00	5.17E-01	1.40E+00	1.32E+00	4.16E+01
1602	494311.06	3858751.99	3.51772	1.37966	1.53192	1.81743	10.44049	1.70452	1.38788	1.37966	3.61E+01	6.21E-01	3.89E-05	9.41E-02	4.81E+00	2.36E-01	2.40E+00	2.29E+00	4.19E+01
1603	494361.06	3858751.99	3.5352	1.42732	1.53969	1.89417	10.62121	2.1209	1.43591	1.42732	3.63E+01	6.42E-01	3.91E-05	9.81E-02	4.89E+00	2.93E-01	2.48E+00	2.36E+00	4.23E+01
1604	494411.06	3858751.99	3.54099	1.38989	1.5151	1.88394	10.77349	2.32537	1.39823	1.38989	3.63E+01	6.26E-01	3.84E-05	9.75E-02	4.96E+00	3.21E-01	2.41E+00	2.30E+00	4.24E+01
1605	494461.06	3858751.99	3.5389	1.31496	1.47612	1.86637	10.90558	2.36283	1.3227	1.31496	3.63E+01	5.92E-01	3.74E-05	9.66E-02	5.03E+00	3.27E-01	2.28E+00	2.18E+00	4.24E+01
1606	494511.06	3858751.99	3.53504	1.24376	1.43836	1.84893	11.02803	2.40875	1.25093	1.24376	3.62E+01	5.60E-01	3.65E-05	9.57E-02	5.08E+00	3.33E-01	2.16E+00	2.06E+00	4.24E+01
1607	494561.06	3858751.99	3.53115	1.15541	1.41741	1.83254	11.14209	2.50473	1.16195	1.15541	3.62E+01	5.20E-01	3.60E-05	9.49E-02	5.13E+00	3.46E-01	2.01E+00	1.91E+00	4.24E+01
1608	494611.06	3858751.99	3.52346	1.06415	1.39267	1.81349	11.24376	2.51748	1.07001	1.06415	3.61E+01	4.79E-01	3.53E-05	9.39E-02	5.18E+00	3.48E-01	1.85E+00	1.76E+00	4.23E+01
1609	494661.06	3858751.99	3.51969	0.98272	1.40077	1.79874	11.34343	2.48888	0.98805	0.98272	3.61E+01	4.42E-01	3.55E-05	9.31E-02	5.23E+00	3.44E-01	1.71E+00	1.63E+00	4.23E+01
1610	494711.06	3858751.99	3.51081	0.88711	1.39935	1.78093	11.42712	2.3525	0.89181	0.88711	3.60E+01	3.99E-01	3.55E-05	9.22E-02	5.27E+00	3.25E-01	1.54E+00	1.47E+00	4.22E+01
1611	494761.06	3858751.99	3.50444	0.81289	1.40038	1.76669	11.50669	2.48508	0.81714	0.81289	3.59E+01	3.66E-01	3.55E-05	9.15E-02	5.30E+00	3.44E-01	1.41E+00	1.35E+00	4.21E+01
1612	494811.06	3858751.99	3.49649	0.73699	1.39712	1.74217	11.57628	2.55297	0.76424	0.73699	3.59E+01	3.32E-01	3.54E-05	9.02E-02	5.33E+00	3.53E-01	1.32E+00	1.22E+00	4.21E+01
1613	494861.06	3858751.99	3.4892	0.74382	1.40018	1.7233	11.63927	2.31521	0.77102	0.74382	3.58E+01	3.35E-01	3.55E-05	8.92E-02	5.36E+00	3.20E-01	1.33E+00	1.23E+00	4.20E+01
1614	494911.06	3858751.99	3.48134	0.75167	1.40964	1.68902	11.69389	2.61553	0.77713	0.75167	3.57E+01	3.38E-01	3.58E-05	8.74E-02	5.39E+00	3.62E-01	1.34E+00	1.25E+00	4.20E+01
1615	494961.06	3858751.99	3.47515	0.75898	1.41864	1.67219	11.74298	1.9755	0.78289	0.75898	3.56E+01	3.42E-01	3.60E-05	8.66E-02	5.41E+00	2.73E-01	1.35E+00	1.26E+00	4.18E+01
1616	495011.06	3858751.99	3.47019	0.76599	1.42721	1.65478	11.78591	2.03873	0.79012	0.76599	3.56E+01	3.45E-01	3.62E-05	8.57E-02	5.43E+00	2.82E-01	1.36E+00	1.27E+00	4.18E+01
1617	495061.06	3858751.99	3.46389	0.7724	1.4356	1.60562	11.81999	2.1561	0.79349	0.7724	3.55E+01	3.48E-01	3.64E-05	8.31E-02	5.45E+00	2.98E-01	1.37E+00	1.28E+00	4.18E+01
1618	495111.06	3858751.99	3.45694	0.78142	1.44373	1.54749	11.84471	2.30552	0.80142	0.78142	3.54E+01	3.52E-01	3.66E-05	8.01E-02	5.46E+00	3.19E-01	1.38E+00	1.29E+00	4.17E+01
1619	495161.06	3858751.99	3.45192	0.78346	1.45137	1.51407	11.86475	2.44996	0.80214	0.78346	3.54E+01	3.53E-01	3.68E-05	7.84E-02	5.47E+00	3.39E-01	1.38E+00	1.30E+00	4.17E+01
1620	495211.06	3858751.99	3.44615	0.78973	1.45878	1.48667	11.87654	2.59024	0.80567	0.78973	3.53E+01	3.55E-01	3.70E-05	7.70E-02	5.47E+00	3.58E-01	1.39E+00	1.31E+00	4.17E+01
1621	495261.06	3858751.99	3.44272	0.79213	1.46571	1.48272	11.88495	2.71993	0.80877	0.79213	3.53E+01	3.56E-01	3.72E-05	7.68E-02	5.48E+00	3.76E-01	1.40E+00	1.31E+00	4.17E+01
1622	495311.06	3858751.99	3.43956	0.79556	1.47232	1.48415	11.88586	2.8421	0.8113	0.79556	3.53E+01	3.58E-01	3.73E-05	7.68E-02	5.48E+00	3.93E-01	1.40E+00	1.32E+00	4.17E+01
1623	495361.06	3858751.99	3.43586	0.79829	1.4787	1.48508	11.87871	2.96058	0.81334	0.79829	3.52E+01	3.59E-01	3.75E-05	7.69E-02	5.47E+00	4.09E-01	1.40E+00	1.32E+00	4.16E+01
1624	495411.06	3858751.99	3.43343	0.8052	1.48469	1.48782	11.86716	3.07382	0.81456	0.8052	3.52E+01	3.62E-01	3.77E-05	7.70E-02	5.47E+00	4.25E-01	1.41E+00	1.33E+00	4.16E+01
1625	495461.06	3858751.99	3.42995	0.80182	1.4905	1.48905	11.84707	3.19296	0.81525	0.80182	3.52E+01	3.61E-01	3.78E-05	7.71E-02	5.46E+00	4.41E-01	1.41E+00	1.33E+00	4.16E+01
1626	495511.06	3858751.99	3.42585	0.80253	1.49608	1.48233	11.81901	3.32352	0.81715	0.80253	3.51E+01	3.61E-01	3.80E-05	7.67E-02	5.45E+00	4.59E-01	1.41E+00	1.33E+00	4.16E+01
1627	495561.06	3858751.99	3.42149	0.80253	1.50141	1.47139	11.78394	3.47246	0.81621	0.80253	3.51E+01	3.61E-01	3.81E-05	7.62E-02	5.43E+00	4.80E-01	1.41E+00	1.33E+00	4.15E+01
1628	495611.06	3858751.99	3.41711	0.80337	1.50648	1.46138	11.74295	3.65126	0.81347	0.80337	3.50E+01	3.62E-01	3.82E-05	7.57E-02	5.41E+00	5.05E-01	1.40E+00	1.33E+00	4.15E+01
1629	495661.06	3858751.99	3.41314	0.8006	1.51127	1.44807	11.69604	3.92527	0.81165	0.8006	3.50E+01	3.60E-01	3.83E-05	7.50E-02	5.39E+00	5.43E-01	1.40E+00	1.33E+00	4.14E+01
1630	494311.06	3858801.99	3.49849	1.58226	1.44768	2.04066	9.53611	2.41504	1.59235	1.58226	3.59E+01	7.12E-01	3.67E-05	1.06E-01	4.39E+00	3.34E-01	2.75E+00	2.62E+00	4.15E+01
1631	494361.06	3858801.99	3.51362	1.60496	1.47204	2.03328	9.73802	2.35984	1.61527	1.60496	3.60E+01	7.22E-01	3.73E-05	1.05E-01	4.49E+00	3.26E-01	2.79E+00	2.66E+00	4.18E+01
1632	494411.06	3858801.99	3.51644	1.55063	1.48623	2.0102	9.91101	2.5207	1.56048	1.55063	3.61E+01	6.98E-01	3.77E-05	1.04E-01	4.57E+00	3.48E-01	2.69E+00	2.57E+00	4.19E+01
1633	494461.06	3858801.99	3.51655	1.4846	1.49525	1.98728	10.07433	2.58646	1.49388	1.4846	3.61E+01	6.68E-01	3.79E-05	1.03E-01	4.64E+00	3.58E-01	2.58E+00	2.46E+00	4.19E+01
1634	494511.06	3858801.99	3.51299	1.4165	1.49818	1.96423	10.22617	2.63134	1.42518	1.4165	3.60E+01	6.37E-01	3.80E-05	1.02E-01	4.71E+00	3.64E-01	2.46E+00	2.35E+00	4.20E+01
1635	494561.06	3858801.99	3.50902	1.33614	1.49922	1.94226	10.37097	2.70741	1.34416	1.33614	3.60E+01	6.01E-01	3.80E-05	1.01E-01	4.78E+00	3.74E-01	2.32E+00	2.21E+00	4.19E+01
1636	494611.06	3858801.99	3.50327	1.25082	1.50752	1.92078	10.50699	2.76073	1.25816	1.25082	3.59E+01	5.63E-01	3.82E-05	9.94E-02	4.84E+00	3.82E-01	2.17E+00	2.07E+00	4.19E+01
1637	494661.06	3858801.99	3.49488	1.15843	1.51672	1.89947	10.63252	2.7656	1.16504	1.15843	3.58E+01	5.21E-01	3.85E-05	9.83E-02	4.90E+00	3.82E-01	2.01E+00	1.92E+00	4.18E+01
1638	494711.06	3858801.99	3.48566	1.06332	1.52565	1.87716	10.74939	2.82254	1.06923	1.06332	3.57E+01	4.79E-01	3.87E-05	9.72E-02	4.95E+00	3.90E-01	1.85E+00	1.76E+00	4.17E+01
1639	494761.06	3858801.99	3.47619	0.96577	1.53432	1.85385	10.85813	2.95235	0.97099	0.96577	3.56E+01	4.35E-01	3.89E-05	9.60E-02	5.00E+00	4.08E-01	1.68E+00	1.60E+00	4.17E+01
1640	494811.06	3858801.99	3.46692	0.86986	1.54265	1.8335	10.95969	2.79069	0.87445	0.86986	3.55E+01	3.91E-01	3.91E-05	9.49E-02	5.05E+00	3.86E-01	1.51E+00	1.44E+00	4.15E+01
1641	494861.06	3858801.99	3.46087	0.7913	1.55033	1.81593	11.05859	2.79101	0.79542	0.7913	3.55E+01	3.56E-01	3.93E-05	9.40E-02	5.10E+00	3.86E-01	1.37E+00	1.31E+00	4.15E+01
1642	494911.06	3858801.99	3.45295	0.73249	1.55784	1.78159	11.14763	2.8275	0.76204	0.73249	3.54E+01	3.30E-01	3.95E-05	9.22E-02	5.14E+00	3.91E-01	1.32E+00	1.21E+00	4.15E+01
1643	494961.06	3858801.99	3.44646	0.74106	1.56486	1.75982	11.23241	2.10127	0.76875	0.74106	3.53E+01	3.34E-01	3.97E-05	9.11E-02	5.18E+00	2.91E-01	1.33E+00	1.23E+00	4.13E+01
1644	495011.06	3858801.99	3.43964	0.74896	1.57157	1.72245	11.30897	2.23109	0.77659	0.74896	3.53E+01	3.37E-01	3.99E-05	8.92E-02	5.21E+00	3.08E-01	1.34E+00	1.24E+00	4.13E+01
1645	495061.06	3858801.99	3.43436	0.75803	1.57782	1.7031	11.37973	2.35709	0.78075	0.75803	3.52E+01	3.41E-01	4.00E-05	8.82E-02	5.24E+00	3.26E-01	1.35E+00	1.26E+00	4.13E+01
1646	495111.06	3858801.99	3.42648	0.76463	1.58399	1.67097	11.43943	2.47628	0.78752	0.76463	3.51E+01	3.44E-01	4.02E-05	8.65E-02	5.27E+00	3.42E-01	1.36E+00	1.27E+00	4.13E+01
1647	495161.06	3858801.99	3.42009	0.77086	1.5897	1.60115	11.49425	2.59212	0.79086	0.77086	3.51E+01	3.47E-01	4.03E-05	8.29E-02	5.30E+00	3.58E-01	1.37E+00	1.28E+00	4.12E+01
1648	495211.06	3858801.99	3.41546	0.77523	1.59494	1.5783	11.54391	2.70223	0.79547	0.77523	3.50E+01	3.49E-01	4.05E-05	8.17E-02	5.32E+00	3.74E-01	1.37E+00	1.28E+00	4.12E+01

1649	495261.06	3858801.99	3.41189	0.78054	1.59978	1.57091	11.5878	2.80746	0.79962	0.78054	3.50E+01	3.51E-01	4.06E-05	8.13E-02	5.34E+00	3.88E-01	1.38E+00	1.29E+00	4.12E+01
1650	495311.06	3858801.99	3.40869	0.78524	1.60429	1.57312	11.62557	2.91055	0.80324	0.78524	3.50E+01	3.53E-01	4.07E-05	8.14E-02	5.36E+00	4.02E-01	1.39E+00	1.30E+00	4.12E+01
1651	495361.06	3858801.99	3.40484	0.79078	1.60856	1.56211	11.65471	3.01728	0.80627	0.79078	3.49E+01	3.56E-01	4.08E-05	8.09E-02	5.37E+00	4.17E-01	1.39E+00	1.31E+00	4.12E+01
1652	495411.06	3858801.99	3.40273	0.79601	1.61239	1.58123	11.6791	3.12815	0.80881	0.79601	3.49E+01	3.58E-01	4.09E-05	8.19E-02	5.38E+00	4.32E-01	1.40E+00	1.32E+00	4.12E+01
1653	495461.06	3858801.99	3.39877	0.79542	1.61612	1.57126	11.69357	3.25614	0.81221	0.79542	3.49E+01	3.58E-01	4.10E-05	8.13E-02	5.39E+00	4.50E-01	1.40E+00	1.32E+00	4.12E+01
1654	495511.06	3858801.99	3.39416	0.79922	1.61965	1.54944	11.70019	3.4068	0.81188	0.79922	3.48E+01	3.60E-01	4.11E-05	8.02E-02	5.39E+00	4.71E-01	1.40E+00	1.32E+00	4.12E+01
1655	495561.06	3858801.99	3.38993	0.7988	1.62287	1.5398	11.69999	3.60221	0.81251	0.7988	3.48E+01	3.59E-01	4.12E-05	7.97E-02	5.39E+00	4.98E-01	1.40E+00	1.32E+00	4.12E+01
1656	495611.06	3858801.99	3.38483	0.79948	1.62593	1.51395	11.69221	3.90178	0.81416	0.79948	3.47E+01	3.60E-01	4.12E-05	7.84E-02	5.39E+00	5.39E-01	1.41E+00	1.32E+00	4.12E+01
1657	495661.06	3858801.99	3.38106	0.80131	1.62861	1.51002	11.67975	4.21673	0.8136	0.80131	3.47E+01	3.61E-01	4.13E-05	7.82E-02	5.38E+00	5.83E-01	1.40E+00	1.33E+00	4.12E+01
1658	494311.06	3858851.99	3.48535	1.81041	1.63154	2.22405	8.58286	3.2238	1.82299	1.81041	3.57E+01	8.15E-01	4.14E-05	1.15E-01	3.96E+00	4.46E-01	3.15E+00	3.00E+00	4.12E+01
1659	494361.06	3858851.99	3.49504	1.78071	1.63955	2.19752	8.79114	3.13947	1.79306	1.78071	3.58E+01	8.01E-01	4.16E-05	1.14E-01	4.05E+00	4.34E-01	3.10E+00	2.95E+00	4.14E+01
1660	494411.06	3858851.99	3.49137	1.71222	1.64791	2.16642	8.97523	3.02036	1.72383	1.71222	3.58E+01	7.71E-01	4.18E-05	1.12E-01	4.14E+00	4.18E-01	2.98E+00	2.84E+00	4.14E+01
1661	494461.06	3858851.99	3.48953	1.64457	1.65572	2.13714	9.15692	2.87798	1.65553	1.64457	3.58E+01	7.40E-01	4.20E-05	1.11E-01	4.22E+00	3.98E-01	2.86E+00	2.72E+00	4.14E+01
1662	494511.06	3858851.99	3.48418	1.57681	1.6633	2.10783	9.32858	2.83786	1.58708	1.57681	3.57E+01	7.10E-01	4.22E-05	1.09E-01	4.30E+00	3.92E-01	2.74E+00	2.61E+00	4.14E+01
1663	494561.06	3858851.99	3.47927	1.4976	1.67043	2.07988	9.49593	2.92536	1.50713	1.4976	3.57E+01	6.74E-01	4.24E-05	1.08E-01	4.38E+00	4.04E-01	2.60E+00	2.48E+00	4.14E+01
1664	494611.06	3858851.99	3.47233	1.41193	1.67727	2.05218	9.65406	2.99612	1.42068	1.41193	3.56E+01	6.35E-01	4.25E-05	1.06E-01	4.45E+00	4.14E-01	2.45E+00	2.34E+00	4.13E+01
1665	494661.06	3858851.99	3.46405	1.32164	1.6838	2.02469	9.80514	3.10366	1.3296	1.32164	3.55E+01	5.95E-01	4.27E-05	1.05E-01	4.52E+00	4.29E-01	2.30E+00	2.19E+00	4.13E+01
1666	494711.06	3858851.99	3.45289	1.22235	1.69012	1.99789	9.94734	3.03434	1.22947	1.22235	3.54E+01	5.50E-01	4.29E-05	1.03E-01	4.58E+00	4.20E-01	2.12E+00	2.03E+00	4.12E+01
1667	494761.06	3858851.99	3.44232	1.12334	1.69606	1.97055	10.08372	3.31629	1.12968	1.12334	3.53E+01	5.06E-01	4.30E-05	1.02E-01	4.65E+00	4.58E-01	1.95E+00	1.86E+00	4.11E+01
1668	494811.06	3858851.99	3.43396	1.02989	1.70157	1.94342	10.21555	3.13509	1.03555	1.02989	3.52E+01	4.63E-01	4.32E-05	1.01E-01	4.71E+00	4.33E-01	1.79E+00	1.71E+00	4.10E+01
1669	494861.06	3858851.99	3.42765	0.94641	1.70655	1.9199	10.34489	3.43693	0.95152	0.94641	3.51E+01	4.26E-01	4.33E-05	9.94E-02	4.77E+00	4.75E-01	1.64E+00	1.57E+00	4.10E+01
1670	494911.06	3858851.99	3.41991	0.85944	1.71132	1.89753	10.4647	3.0308	0.86399	0.85944	3.51E+01	3.87E-01	4.34E-05	9.82E-02	4.82E+00	4.19E-01	1.49E+00	1.42E+00	4.09E+01
1671	494961.06	3858851.99	3.41293	0.77872	1.71569	1.87599	10.57844	2.44745	0.78279	0.77872	3.50E+01	3.50E-01	4.35E-05	9.71E-02	4.87E+00	3.38E-01	1.35E+00	1.29E+00	4.07E+01
1672	495011.06	3858851.99	3.40677	0.73002	1.71965	1.83897	10.68743	2.39677	0.76016	0.73002	3.49E+01	3.29E-01	4.36E-05	9.52E-02	4.93E+00	3.31E-01	1.31E+00	1.21E+00	4.07E+01
1673	495061.06	3858851.99	3.39992	0.73849	1.72334	1.81216	10.78904	2.49438	0.76847	0.73849	3.49E+01	3.32E-01	4.37E-05	9.38E-02	4.97E+00	3.45E-01	1.33E+00	1.22E+00	4.07E+01
1674	495111.06	3858851.99	3.3897	0.74593	1.72704	1.75054	10.8781	2.58435	0.77239	0.74593	3.48E+01	3.36E-01	4.38E-05	9.06E-02	5.01E+00	3.57E-01	1.33E+00	1.24E+00	4.07E+01
1675	495161.06	3858851.99	3.38314	0.75312	1.7301	1.7177	10.96557	2.67856	0.77796	0.75312	3.47E+01	3.39E-01	4.39E-05	8.89E-02	5.05E+00	3.70E-01	1.34E+00	1.25E+00	4.06E+01
1676	495211.06	3858851.99	3.38048	0.76194	1.73247	1.71739	11.05274	2.7724	0.78364	0.76194	3.47E+01	3.43E-01	4.39E-05	8.89E-02	5.09E+00	3.83E-01	1.35E+00	1.26E+00	4.07E+01
1677	495261.06	3858851.99	3.37664	0.76674	1.73467	1.70721	11.13063	2.86841	0.78873	0.76674	3.46E+01	3.45E-01	4.40E-05	8.84E-02	5.13E+00	3.97E-01	1.36E+00	1.27E+00	4.07E+01
1678	495311.06	3858851.99	3.3736	0.77267	1.73652	1.70281	11.20245	2.97001	0.79337	0.77267	3.46E+01	3.48E-01	4.41E-05	8.81E-02	5.16E+00	4.11E-01	1.37E+00	1.28E+00	4.07E+01
1679	495361.06	3858851.99	3.36999	0.77792	1.73814	1.69458	11.26645	3.08292	0.79917	0.77792	3.46E+01	3.50E-01	4.41E-05	8.77E-02	5.19E+00	4.26E-01	1.38E+00	1.29E+00	4.07E+01
1680	495411.06	3858851.99	3.36642	0.78255	1.7395	1.68643	11.32314	3.21262	0.80096	0.78255	3.45E+01	3.52E-01	4.41E-05	8.73E-02	5.22E+00	4.44E-01	1.38E+00	1.30E+00	4.07E+01
1681	495461.06	3858851.99	3.36307	0.78658	1.74058	1.67959	11.37279	3.36531	0.80397	0.78658	3.45E+01	3.54E-01	4.42E-05	8.69E-02	5.24E+00	4.65E-01	1.39E+00	1.30E+00	4.07E+01
1682	495511.06	3858851.99	3.3605	0.79005	1.74134	1.67604	11.41737	3.54412	0.8065	0.79005	3.45E+01	3.56E-01	4.42E-05	8.68E-02	5.26E+00	4.90E-01	1.39E+00	1.31E+00	4.07E+01
1683	495561.06	3858851.99	3.35273	0.79418	1.74239	1.64301	11.44675	3.87072	0.80794	0.79418	3.44E+01	3.57E-01	4.42E-05	8.51E-02	5.28E+00	5.35E-01	1.39E+00	1.32E+00	4.07E+01
1684	495611.06	3858851.99	3.34727	0.79438	1.74297	1.59683	11.47224	4.22279	0.80913	0.79438	3.43E+01	3.58E-01	4.42E-05	8.27E-02	5.29E+00	5.84E-01	1.40E+00	1.32E+00	4.07E+01
1685	495661.06	3858851.99	3.34394	0.79758	1.74311	1.59375	11.49411	4.56827	0.80976	0.79758	3.43E+01	3.59E-01	4.42E-05	8.25E-02	5.30E+00	6.32E-01	1.40E+00	1.32E+00	4.07E+01
1686	494311.06	3858901.99	3.4562	1.94359	1.82368	2.40458	8.13797	4.01051	1.95801	1.94359	3.54E+01	8.75E-01	4.63E-05	1.24E-01	3.75E+00	5.54E-01	3.38E+00	3.22E+00	4.09E+01
1687	494361.06	3858901.99	3.49248	1.9038	1.8284	2.37276	9.2111	3.90835	1.91784	1.9038	3.58E+01	8.57E-01	4.64E-05	1.23E-01	4.24E+00	5.40E-01	3.31E+00	3.15E+00	4.17E+01
1688	494411.06	3858901.99	3.47814	1.84584	1.83315	2.33863	9.28843	3.80723	1.8592	1.84584	3.57E+01	8.31E-01	4.65E-05	1.21E-01	4.28E+00	5.26E-01	3.21E+00	3.06E+00	4.16E+01
1689	494461.06	3858901.99	3.45779	1.79152	1.83758	2.30474	9.74582	3.7105	1.80421	1.79152	3.55E+01	8.06E-01	4.66E-05	1.19E-01	4.49E+00	5.13E-01	3.11E+00	2.97E+00	4.15E+01
1690	494511.06	3858901.99	3.45274	1.724	1.84154	2.27197	9.61984	3.58772	1.73598	1.724	3.54E+01	7.76E-01	4.67E-05	1.18E-01	4.43E+00	4.96E-01	3.00E+00	2.86E+00	4.14E+01
1691	494561.06	3858901.99	3.44555	1.64828	1.8453	2.23877	9.06602	3.50089	1.65942	1.64828	3.53E+01	7.42E-01	4.68E-05	1.16E-01	4.18E+00	4.84E-01	2.87E+00	2.73E+00	4.10E+01
1692	494611.06	3858901.99	3.43467	1.56176	1.8489	2.20512	8.72768	3.43163	1.57197	1.56176	3.52E+01	7.03E-01	4.69E-05	1.14E-01	4.02E+00	4.74E-01	2.71E+00	2.59E+00	4.07E+01
1693	494661.06	3858901.99	3.4275	1.47881	1.85189	2.1739	8.89929	3.57097	1.48822	1.47881	3.51E+01	6.66E-01	4.70E-05	1.13E-01	4.10E+00	4.94E-01	2.57E+00	2.45E+00	4.06E+01
1694	494711.06	3858901.99	3.41698	1.38564	1.85471	2.14191	9.06122	3.38391	1.39417	1.38564	3.50E+01	6.24E-01	4.70E-05	1.11E-01	4.18E+00	4.68E-01	2.41E+00	2.30E+00	4.05E+01
1695	494761.06	3858901.99	3.40495	1.28539	1.85729	2.11081	9.21718	3.66114	1.29303	1.28539	3.49E+01	5.78E-01	4.71E-05	1.09E-01	4.25E+00	5.06E-01	2.23E+00	2.13E+00	4.05E+01
1696	494811.06	3858901.99	3.39687	1.19548	1.8593	2.08227	9.37355	4.35584	1.2024	1.19548	3.48E+01	5.38E-01	4.72E-05	1.08E-01	4.32E+00	6.02E-01	2.08E+00	1.98E+00	4.05E+01
1697	494861.06	3858901.99	3.39027	1.11046	1.86088	2.05477	9.52632	4.33422	1.11675	1.11046	3.48E+01	5.00E-01	4.72E-05	1.06E-01	4.39E+00	5.99E-01	1.93E+00	1.84E+00	4.04E+01
1698	494911.06	3858901.99	3.37975	1.01045	1.86253	2.02002	9.66691	3.22903	1.016	1.01045	3.47E+01	4.55E-01	4.72E-05	1.05E-01	4.45E+00	4.46E-01	1.75E+00	1.67E+00	4.02E+01
1699	494961.06	3858901.99	3.37303	0.92644	1.86357	1.99376	9.80801	2.89089	0.93143	0.92644	3.46E+01	4.17E-01	4.73E-05	1.03E-01	4.52E+00	4.00E-01	1.61E+00	1.54E+00	4.01E+01
1700	495011.06	3858901.99	3.36645	0.84564	1.86429	1.96909	9.94288	2.74955	0.85013	0.84564	3.45E+01	3.81E-01	4.73E-05	1.02E-01	4.58E+00	3.80E-01	1.47E+00	1.40E+00	4.00E+01
1701	495061.06	3858901.99	3.3582	0.76112	1.8649	1.93933	10.06913	2.58557	0.76509	0.76112	3.44E+01	3.43E-01	4.73E-05	1.00E-01	4.64E+00	3.57E-01	1.32E+00	1.26E+00	3.99E+01
1702	495111.06	3858901.99	3.34771	0.72708	1.86544	1.87089	10.18579	2.65763	0.75924	0.72708	3.43E+01	3.27E-01	4.73E-05	9.68E-02	4.69E+00	3.67E-01	1.31E+00	1.20E+00	3.99E+01
1703	495161.06	3858901.99	3.34256	0.73554	1.86519	1.83437	10.30486	2.74457	0.766	0.73554	3.43E+01	3.31E-01	4.73E-05	9.50E-02	4.75E+00	3.79E-01	1.32E+00	1.22E+00	3.99E+01
1704	495211.06	3858901.99	3.34105	0.74381	1.86432	1.84216	10.42328	2.84004	0.77082	0.74381	3.43E+01	3.35E-01	4.73E-05	9.54E-02	4.80E+00	3.93E-01	1.33E+00	1.23E+00	4.00E+01
1705	495261.06	3858901.99	3.33766	0.75137	1.86338	1.82806	10.53262	2.94224	0.77675	0.75137	3.42E+01	3.38E-01	4.73E-05	9.46E-02	4.85E+00	4.07E-01	1.34E+00	1.24E+00	4.00E+01
1706	495311.06	3858901.99	3.33363	0.76012	1.86227	1.8127	10.6339	3.05695	0.78218	0.76012	3.42E+01	3.42E-01	4.72E-05	9.38E-02	4.90E+00	4.23E-01	1.35E+00	1.26E+00	4.00E+01
1707	495361.06	3858901.99	3.32987	0.7647	1.8609	1.79681	10.72894	3.20843	0.78717	0.7647	3.41E+01	3.44E-01	4.72E-05	9.30E-02	4.94E+00	4.44E-01	1.36E+00	1.27E+00	4.01E+01

1708	495411.06	3858901.99	3.32716	0.77056	1.8592	1.78933	10.81973	3.37518	0.79173	0.77056	3.41E+01	3.47E-01	4.72E-05	9.26E-02	4.99E+00	4.67E-01	1.37E+00	1.28E+00	4.01E+01
1709	495461.06	3858901.99	3.32276	0.77571	1.85746	1.7737	10.90001	3.58737	0.79741	0.77571	3.41E+01	3.49E-01	4.71E-05	9.18E-02	5.02E+00	4.96E-01	1.38E+00	1.29E+00	4.01E+01
1710	495511.06	3858901.99	3.31738	0.78018	1.85561	1.7457	10.97192	3.8561	0.79923	0.78018	3.40E+01	3.51E-01	4.71E-05	9.04E-02	5.06E+00	5.33E-01	1.38E+00	1.29E+00	4.01E+01
1711	495561.06	3858901.99	3.31249	0.78587	1.85351	1.72367	11.03835	4.16746	0.80192	0.78587	3.40E+01	3.54E-01	4.70E-05	8.92E-02	5.09E+00	5.76E-01	1.38E+00	1.30E+00	4.02E+01
1712	495611.06	3858901.99	3.30681	0.78698	1.85131	1.70303	11.09726	4.56922	0.80554	0.78698	3.39E+01	3.54E-01	4.70E-05	8.82E-02	5.11E+00	6.32E-01	1.39E+00	1.30E+00	4.02E+01
1713	495661.06	3858901.99	3.3037	0.79151	1.84866	1.6954	11.15166	4.96943	0.8056	0.79151	3.39E+01	3.56E-01	4.69E-05	8.78E-02	5.14E+00	6.87E-01	1.39E+00	1.31E+00	4.02E+01
1714	494311.06	3858951.99	3.67703	2.03801	2.01226	2.57821	10.85486	4.54202	2.05427	2.03801	3.77E+01	9.17E-01	5.10E-05	1.33E-01	5.00E+00	6.28E-01	3.55E+00	3.38E+00	4.46E+01
1715	494361.06	3858951.99	3.67665	1.99238	2.013	2.54504	11.40541	4.4381	2.00808	1.99238	3.77E+01	8.97E-01	5.11E-05	1.32E-01	5.26E+00	6.14E-01	3.47E+00	3.30E+00	4.48E+01
1716	494411.06	3858951.99	3.63178	1.94371	2.01361	2.5096	11.08684	4.49849	1.95831	1.94371	3.72E+01	8.75E-01	5.11E-05	1.30E-01	5.11E+00	6.22E-01	3.38E+00	3.22E+00	4.41E+01
1717	494461.06	3858951.99	3.60911	1.89836	2.01374	2.47511	11.6284	4.46142	1.9125	1.89836	3.70E+01	8.54E-01	5.11E-05	1.28E-01	5.36E+00	6.17E-01	3.30E+00	3.15E+00	4.41E+01
1718	494511.06	3858951.99	3.57095	1.83895	2.01356	2.44042	11.36484	4.41816	1.85248	1.83895	3.66E+01	8.28E-01	5.11E-05	1.26E-01	5.24E+00	6.11E-01	3.20E+00	3.05E+00	4.36E+01
1719	494561.06	3858951.99	3.51919	1.77442	2.01312	2.40532	10.83195	4.40496	1.78713	1.77442	3.61E+01	7.99E-01	5.11E-05	1.25E-01	4.99E+00	6.09E-01	3.09E+00	2.94E+00	4.28E+01
1720	494611.06	3858951.99	3.44968	1.70246	2.01247	2.3698	10.02588	4.43159	1.71428	1.70246	3.54E+01	7.66E-01	5.11E-05	1.23E-01	4.62E+00	6.13E-01	2.96E+00	2.82E+00	4.16E+01
1721	494661.06	3858951.99	3.38613	1.62448	2.0115	2.33515	9.29693	4.42408	1.63542	1.62448	3.47E+01	7.31E-01	5.10E-05	1.21E-01	4.28E+00	6.12E-01	2.82E+00	2.69E+00	4.06E+01
1722	494711.06	3858951.99	3.37405	1.53571	2.0104	2.30012	8.27175	4.41971	1.54569	1.53571	3.46E+01	6.91E-01	5.10E-05	1.19E-01	3.81E+00	6.11E-01	2.67E+00	2.54E+00	4.00E+01
1723	494761.06	3858951.99	3.36452	1.44712	2.00887	2.26647	8.29428	4.29599	1.45623	1.44712	3.45E+01	6.51E-01	5.10E-05	1.17E-01	3.82E+00	5.94E-01	2.51E+00	2.40E+00	3.98E+01
1724	494811.06	3858951.99	3.35713	1.36149	2.00692	2.23407	8.46734	6.05375	1.36984	1.36149	3.44E+01	6.13E-01	5.09E-05	1.16E-01	3.90E+00	8.37E-01	2.37E+00	2.26E+00	4.00E+01
1725	494861.06	3858951.99	3.34964	1.2749	2.00471	2.20294	8.63653	5.53801	1.28252	1.2749	3.43E+01	5.74E-01	5.09E-05	1.14E-01	3.98E+00	7.66E-01	2.21E+00	2.11E+00	3.99E+01
1726	494911.06	3858951.99	3.33973	1.1813	2.0024	2.17188	8.79798	3.79356	1.18815	1.1813	3.42E+01	5.32E-01	5.08E-05	1.12E-01	4.05E+00	5.24E-01	2.05E+00	1.96E+00	3.96E+01
1727	494961.06	3858951.99	3.33346	1.09886	1.99961	2.14272	8.95999	3.88164	1.10511	1.09886	3.42E+01	4.95E-01	5.07E-05	1.11E-01	4.13E+00	5.37E-01	1.91E+00	1.82E+00	3.95E+01
1728	495011.06	3858951.99	3.32118	0.99397	1.99716	2.10207	9.10735	3.56016	0.99943	0.99397	3.41E+01	4.47E-01	5.07E-05	1.09E-01	4.20E+00	4.92E-01	1.73E+00	1.65E+00	3.94E+01
1729	495061.06	3858951.99	3.3102	0.89251	1.99445	2.06908	9.25044	2.80592	0.89728	0.89251	3.39E+01	4.02E-01	5.06E-05	1.07E-01	4.26E+00	3.88E-01	1.55E+00	1.48E+00	3.92E+01
1730	495111.06	3858951.99	3.30133	0.80269	1.99132	2.00009	9.39212	2.73777	0.80689	0.80269	3.39E+01	3.61E-01	5.05E-05	1.04E-01	4.33E+00	3.79E-01	1.39E+00	1.33E+00	3.91E+01
1731	495161.06	3858951.99	3.30096	0.75375	1.98712	2.0171	9.5438	2.93107	0.75771	0.75375	3.38E+01	3.39E-01	5.04E-05	1.04E-01	4.40E+00	4.05E-01	1.31E+00	1.25E+00	3.92E+01
1732	495211.06	3858951.99	3.29769	0.72508	1.98301	1.99527	9.68411	3.4116	0.75636	0.72508	3.38E+01	3.26E-01	5.03E-05	1.03E-01	4.46E+00	4.72E-01	1.31E+00	1.20E+00	3.93E+01
1733	495261.06	3858951.99	3.2943	0.7336	1.97873	1.97452	9.81887	3.63382	0.76298	0.7336	3.38E+01	3.30E-01	5.02E-05	1.02E-01	4.52E+00	5.02E-01	1.32E+00	1.22E+00	3.93E+01
1734	495311.06	3858951.99	3.28846	0.74145	1.97452	1.93656	9.94442	3.41104	0.76906	0.74145	3.37E+01	3.34E-01	5.01E-05	1.00E-01	4.58E+00	4.72E-01	1.33E+00	1.23E+00	3.93E+01
1735	495361.06	3858951.99	3.28549	0.74894	1.96984	1.93064	10.06756	4.10015	0.77488	0.74894	3.37E+01	3.37E-01	5.00E-05	9.99E-02	4.64E+00	5.67E-01	1.34E+00	1.24E+00	3.94E+01
1736	495411.06	3858951.99	3.28302	0.7559	1.96496	1.91383	10.18528	4.59774	0.78214	0.7559	3.37E+01	3.40E-01	4.98E-05	9.91E-02	4.69E+00	6.36E-01	1.35E+00	1.25E+00	3.95E+01
1737	495461.06	3858951.99	3.27895	0.7622	1.96008	1.89506	10.29531	4.66776	0.78517	0.7622	3.36E+01	3.43E-01	4.97E-05	9.81E-02	4.74E+00	6.45E-01	1.36E+00	1.26E+00	3.95E+01
1738	495511.06	3858951.99	3.27585	0.76984	1.95496	1.87816	10.40056	4.94742	0.7896	0.76984	3.36E+01	3.46E-01	4.96E-05	9.72E-02	4.79E+00	6.84E-01	1.36E+00	1.28E+00	3.96E+01
1739	495561.06	3858951.99	3.26866	0.77481	1.95011	1.83612	10.49177	4.58108	0.79329	0.77481	3.35E+01	3.49E-01	4.95E-05	9.50E-02	4.84E+00	6.33E-01	1.37E+00	1.28E+00	3.95E+01
1740	495611.06	3858951.99	3.26332	0.77914	1.94495	1.81605	10.58057	5.0196	0.79655	0.77914	3.35E+01	3.51E-01	4.93E-05	9.40E-02	4.88E+00	6.94E-01	1.38E+00	1.29E+00	3.96E+01
1741	495661.06	3858951.99	3.26043	0.78131	1.93942	1.80494	10.66722	5.5049	0.80124	0.78131	3.34E+01	3.52E-01	4.92E-05	9.34E-02	4.92E+00	7.61E-01	1.38E+00	1.29E+00	3.96E+01
1742	494311.06	3859001.99	3.85696	2.06951	2.18623	2.71945	12.92636	5.5088	2.08749	2.06951	3.95E+01	9.31E-01	5.55E-05	1.41E-01	5.96E+00	7.62E-01	3.60E+00	3.43E+00	4.75E+01
1743	494361.06	3859001.99	3.82534	2.03641	2.18219	2.69002	13.04304	5.52897	2.05372	2.03641	3.92E+01	9.16E-01	5.54E-05	1.39E-01	6.01E+00	7.64E-01	3.55E+00	3.37E+00	4.72E+01
1744	494411.06	3859001.99	3.78789	2.00915	2.17791	2.65896	13.42285	5.5486	2.02582	2.00915	3.88E+01	9.04E-01	5.52E-05	1.38E-01	6.19E+00	7.67E-01	3.50E+00	3.33E+00	4.70E+01
1745	494461.06	3859001.99	3.74968	1.9671	2.17331	2.62733	13.28627	5.49756	1.98254	1.9671	3.84E+01	8.85E-01	5.51E-05	1.36E-01	6.12E+00	7.60E-01	3.42E+00	3.26E+00	4.65E+01
1746	494511.06	3859001.99	3.71143	1.92044	2.16843	2.59548	13.10894	5.40364	1.93548	1.92044	3.81E+01	8.64E-01	5.50E-05	1.34E-01	6.04E+00	7.47E-01	3.34E+00	3.18E+00	4.60E+01
1747	494561.06	3859001.99	3.6493	1.8733	2.16345	2.56148	12.35602	5.39691	1.88781	1.8733	3.74E+01	8.43E-01	5.49E-05	1.33E-01	5.69E+00	7.46E-01	3.26E+00	3.10E+00	4.50E+01
1748	494611.06	3859001.99	3.58778	1.81662	2.15823	2.52752	11.66101	5.41429	1.82967	1.81662	3.68E+01	8.18E-01	5.47E-05	1.31E-01	5.37E+00	7.49E-01	3.16E+00	3.01E+00	4.40E+01
1749	494661.06	3859001.99	3.51377	1.75077	2.15286	2.49286	10.78704	5.48214	1.76322	1.75077	3.60E+01	7.88E-01	5.46E-05	1.29E-01	4.97E+00	7.58E-01	3.04E+00	2.90E+00	4.28E+01
1750	494711.06	3859001.99	3.42452	1.67446	2.14741	2.45776	9.77151	5.67448	1.68595	1.67446	3.51E+01	7.54E-01	5.45E-05	1.27E-01	4.50E+00	7.85E-01	2.91E+00	2.77E+00	4.14E+01
1751	494761.06	3859001.99	3.36139	1.59646	2.14156	2.42416	9.17	5.73526	1.60711	1.59646	3.45E+01	7.18E-01	5.43E-05	1.25E-01	4.23E+00	7.93E-01	2.77E+00	2.65E+00	4.05E+01
1752	494811.06	3859001.99	3.31702	1.51925	2.13539	2.39165	8.8116	8.16289	1.52914	1.51925	3.40E+01	6.84E-01	5.42E-05	1.24E-01	4.06E+00	1.13E+00	2.64E+00	2.52E+00	4.01E+01
1753	494861.06	3859001.99	3.30466	1.43381	2.1292	2.35849	8.15898	7.23292	1.44287	1.43381	3.39E+01	6.45E-01	5.40E-05	1.22E-01	3.76E+00	1.00E+00	2.49E+00	2.38E+00	3.95E+01
1754	494911.06	3859001.99	3.29544	1.34477	2.12287	2.32492	7.88184	5.52905	1.35302	1.34477	3.38E+01	6.05E-01	5.39E-05	1.20E-01	3.63E+00	7.64E-01	2.34E+00	2.23E+00	3.90E+01
1755	494961.06	3859001.99	3.28604	1.25365	2.1164	2.29235	8.05218	6.32036	1.26112	1.25365	3.37E+01	5.64E-01	5.37E-05	1.19E-01	3.71E+00	8.74E-01	2.18E+00	2.08E+00	3.91E+01
1756	495011.06	3859001.99	3.26677	1.12517	2.11064	2.24165	8.20417	4.77193	1.13155	1.12517	3.35E+01	5.06E-01	5.35E-05	1.16E-01	3.78E+00	6.60E-01	1.95E+00	1.86E+00	3.86E+01
1757	495061.06	3859001.99	3.2611	1.04369	2.10369	2.21096	8.37308	4.38342	1.04949	1.04369	3.34E+01	4.70E-01	5.34E-05	1.14E-01	3.86E+00	6.06E-01	1.81E+00	1.73E+00	3.86E+01
1758	495111.06	3859001.99	3.25242	0.95023	2.09692	2.17668	8.53146	3.81659	0.95538	0.95023	3.34E+01	4.28E-01	5.32E-05	1.13E-01	3.93E+00	5.28E-01	1.65E+00	1.57E+00	3.84E+01
1759	495161.06	3859001.99	3.25396	0.90404	2.08898	2.15639	8.70359	4.50633	0.90895	0.90404	3.34E+01	4.07E-01	5.30E-05	1.12E-01	4.01E+00	6.23E-01	1.57E+00	1.50E+00	3.86E+01
1760	495211.06	3859001.99	3.24989	0.83525	2.0815	2.1299	8.86229	4.62991	0.83975	0.83525	3.33E+01	3.76E-01	5.28E-05	1.10E-01	4.08E+00	6.40E-01	1.45E+00	1.38E+00	3.86E+01
1761	495261.06	3859001.99	3.247	0.77363	2.0738	2.10471	9.0175	5.5466	0.77779	0.77363	3.33E+01	3.48E-01	5.26E-05	1.09E-01	4.16E+00	7.67E-01	1.34E+00	1.28E+00	3.87E+01
1762	495311.06	3859001.99	3.24265	0.72308	2.06613	2.07961	9.16504	5.86166	0.755	0.72308	3.33E+01	3.25E-01	5.24E-05	1.08E-01	4.22E+00	8.10E-01	1.30E+00	1.20E+00	3.88E+01
1763	495361.06	3859001.99	3.23965	0.73327	2.05824	2.05594	9.31135	6.15294	0.76153	0.73327	3.32E+01	3.30E-01	5.22E-05	1.06E-01	4.29E+00	8.51E-01	1.31E+00	1.21E+00	3.89E+01
1764	495411.06	3859001.99	3.23597	0.7394	2.05032	2.03273	9.45095	6.37061	0.7676	0.7394	3.32E+01	3.33E-01	5.20E-05	1.05E-01	4.36E+00	8.81E-01	1.33E+00	1.23E+00	3.90E+01
1765	495461.06	3859001.99	3.23265	0.74678	2.04229	2.01048	9.58468	6.53241	0.7733	0.74678	3.31E+01	3.36E-01	5.18E-05	1.04E-01	4.42E+00	9.03E-01	1.34E+00	1.24E+00	3.90E+01
1766	495511.06	3859001.99	3.22648	0.75338	2.03448	1.98653	9.70957	6.16951	0.77829	0.75338	3.31E+01	3.39E-01	5.16E-05	1.03E-01	4.47E+00	8.53E-01	1.34E+00	1.25E+00	3.89E+01

1767	495561.06	3859001.99	3.22184	0.75956	2.02644	1.96473	9.83113	5.99576	0.783	0.75956	3.30E+01	3.42E-01	5.14E-05	1.02E-01	4.53E+00	8.29E-01	1.35E+00	1.26E+00	3.89E+01
1768	495611.06	3859001.99	3.21699	0.76513	2.01836	1.94353	9.94577	5.74248	0.78721	0.76513	3.30E+01	3.44E-01	5.12E-05	1.01E-01	4.58E+00	7.94E-01	1.36E+00	1.27E+00	3.89E+01
1769	495661.06	3859001.99	3.21585	0.77037	2.00986	1.92672	10.06053	6.48197	0.79313	0.77037	3.30E+01	3.47E-01	5.10E-05	9.97E-02	4.64E+00	8.96E-01	1.37E+00	1.28E+00	3.90E+01
1770	494311.06	3859051.99	3.99676	2.06275	2.33341	2.80978	14.30753	5.89743	2.08184	2.06275	4.10E+01	9.28E-01	5.92E-05	1.45E-01	6.59E+00	8.15E-01	3.59E+00	3.42E+00	4.96E+01
1771	494361.06	3859051.99	3.9621	2.05037	2.32424	2.78921	14.90209	6.25437	2.06917	2.05037	4.06E+01	9.23E-01	5.90E-05	1.44E-01	6.87E+00	8.65E-01	3.57E+00	3.40E+00	4.96E+01
1772	494411.06	3859051.99	3.91925	2.02946	2.31493	2.76602	14.74952	6.64042	2.0472	2.02946	4.02E+01	9.13E-01	5.87E-05	1.43E-01	6.80E+00	9.18E-01	3.53E+00	3.36E+00	4.91E+01
1773	494461.06	3859051.99	3.87355	2.00609	2.30547	2.74138	14.46527	7.01942	2.02315	2.00609	3.97E+01	9.03E-01	5.85E-05	1.42E-01	6.67E+00	9.70E-01	3.49E+00	3.32E+00	4.86E+01
1774	494511.06	3859051.99	3.8216	1.97836	2.2959	2.7149	13.97703	7.38467	1.99469	1.97836	3.92E+01	8.90E-01	5.82E-05	1.41E-01	6.44E+00	1.02E+00	3.44E+00	3.28E+00	4.78E+01
1775	494561.06	3859051.99	3.77257	1.94163	2.28617	2.68761	13.57628	7.63109	1.95723	1.94163	3.87E+01	8.74E-01	5.80E-05	1.39E-01	6.26E+00	1.06E+00	3.38E+00	3.22E+00	4.72E+01
1776	494611.06	3859051.99	3.71339	1.90175	2.27638	2.6586	12.91767	7.8341	1.91588	1.90175	3.81E+01	8.56E-01	5.77E-05	1.38E-01	5.95E+00	1.08E+00	3.31E+00	3.15E+00	4.63E+01
1777	494661.06	3859051.99	3.64803	1.85307	2.26652	2.62862	12.17095	7.96052	1.86685	1.85307	3.74E+01	8.34E-01	5.75E-05	1.36E-01	5.61E+00	1.10E+00	3.22E+00	3.07E+00	4.52E+01
1778	494711.06	3859051.99	3.58276	1.79444	2.25656	2.59802	11.47733	8.02371	1.80752	1.79444	3.67E+01	8.08E-01	5.72E-05	1.34E-01	5.29E+00	1.11E+00	3.12E+00	2.97E+00	4.42E+01
1779	494761.06	3859051.99	3.51279	1.72763	2.24655	2.56676	10.74826	8.12119	1.73984	1.72763	3.60E+01	7.78E-01	5.70E-05	1.33E-01	4.95E+00	1.12E+00	3.00E+00	2.86E+00	4.31E+01
1780	494811.06	3859051.99	3.45642	1.65611	2.23637	2.53585	10.25288	9.82939	1.66751	1.65611	3.54E+01	7.45E-01	5.67E-05	1.31E-01	4.72E+00	1.36E+00	2.88E+00	2.74E+00	4.25E+01
1781	494861.06	3859051.99	3.39819	1.58021	2.22614	2.50459	9.73193	9.81472	1.59079	1.58021	3.48E+01	7.11E-01	5.65E-05	1.30E-01	4.48E+00	1.36E+00	2.75E+00	2.62E+00	4.17E+01
1782	494911.06	3859051.99	3.31338	1.49505	2.21601	2.47219	8.88558	8.22953	1.50473	1.49505	3.40E+01	6.73E-01	5.62E-05	1.28E-01	4.09E+00	1.14E+00	2.60E+00	2.48E+00	4.01E+01
1783	494961.06	3859051.99	3.23101	1.39488	2.20608	2.43756	7.66869	8.04332	1.40356	1.39488	3.31E+01	6.28E-01	5.60E-05	1.26E-01	3.53E+00	1.11E+00	2.42E+00	2.31E+00	3.86E+01
1784	495011.06	3859051.99	3.21957	1.29754	2.19595	2.40475	7.29093	7.61412	1.30534	1.29754	3.30E+01	5.84E-01	5.57E-05	1.24E-01	3.36E+00	1.05E+00	2.25E+00	2.15E+00	3.82E+01
1785	495061.06	3859051.99	3.21132	1.20759	2.18559	2.3704	7.46467	7.11203	1.21466	1.20759	3.29E+01	5.43E-01	5.54E-05	1.23E-01	3.44E+00	9.83E-01	2.10E+00	2.00E+00	3.81E+01
1786	495111.06	3859051.99	3.20596	1.12691	2.175	2.32921	7.64054	6.82936	1.13337	1.12691	3.29E+01	5.07E-01	5.52E-05	1.21E-01	3.52E+00	9.44E-01	1.96E+00	1.87E+00	3.81E+01
1787	495161.06	3859051.99	3.20588	1.06582	2.16394	2.31454	7.82066	7.78123	1.07189	1.06582	3.29E+01	4.80E-01	5.49E-05	1.20E-01	3.60E+00	1.08E+00	1.85E+00	1.77E+00	3.82E+01
1788	495211.06	3859051.99	3.19991	0.98608	2.15333	2.27699	7.98833	7.78745	0.99159	0.98608	3.28E+01	4.44E-01	5.46E-05	1.18E-01	3.68E+00	1.08E+00	1.71E+00	1.63E+00	3.82E+01
1789	495261.06	3859051.99	3.19844	0.92323	2.14233	2.25705	8.16061	8.36946	0.92837	0.92323	3.28E+01	4.15E-01	5.43E-05	1.17E-01	3.76E+00	1.16E+00	1.60E+00	1.53E+00	3.83E+01
1790	495311.06	3859051.99	3.1937	0.85191	2.13159	2.22691	8.32363	8.09673	0.8566	0.85191	3.27E+01	3.83E-01	5.41E-05	1.15E-01	3.84E+00	1.12E+00	1.48E+00	1.41E+00	3.83E+01
1791	495361.06	3859051.99	3.1904	0.78758	2.12072	2.19981	8.48397	8.46719	0.79191	0.78758	3.27E+01	3.54E-01	5.38E-05	1.14E-01	3.91E+00	1.17E+00	1.37E+00	1.30E+00	3.83E+01
1792	495411.06	3859051.99	3.18809	0.72888	2.10977	2.17525	8.643	8.96621	0.75372	0.72888	3.27E+01	3.28E-01	5.35E-05	1.13E-01	3.98E+00	1.24E+00	1.30E+00	1.21E+00	3.84E+01
1793	495461.06	3859051.99	3.18571	0.72944	2.09884	2.14976	8.79696	8.96131	0.7601	0.72944	3.27E+01	3.28E-01	5.32E-05	1.11E-01	4.05E+00	1.24E+00	1.31E+00	1.21E+00	3.85E+01
1794	495511.06	3859051.99	3.17906	0.73708	2.08823	2.11632	8.93968	8.38854	0.76587	0.73708	3.26E+01	3.32E-01	5.30E-05	1.10E-01	4.12E+00	1.16E+00	1.32E+00	1.22E+00	3.84E+01
1795	495561.06	3859051.99	3.17372	0.74426	2.07755	2.08869	9.08006	8.92131	0.77131	0.74426	3.25E+01	3.35E-01	5.27E-05	1.08E-01	4.18E+00	1.23E+00	1.33E+00	1.23E+00	3.85E+01
1796	495611.06	3859051.99	3.16882	0.75093	2.06685	2.06278	9.21667	9.2945	0.77636	0.75093	3.25E+01	3.38E-01	5.24E-05	1.07E-01	4.25E+00	1.28E+00	1.34E+00	1.24E+00	3.86E+01
1797	495661.06	3859051.99	3.16771	0.7572	2.05581	2.04304	9.35327	10.08816	0.78118	0.7572	3.25E+01	3.41E-01	5.22E-05	1.06E-01	4.31E+00	1.39E+00	1.35E+00	1.25E+00	3.87E+01
1798	494311.06	3859101.99	4.10659	2.05088	2.44985	2.83803	15.88913	5.46447	2.07188	2.05088	4.21E+01	9.23E-01	6.21E-05	1.47E-01	7.32E+00	7.55E-01	3.58E+00	3.40E+00	5.14E+01
1799	494361.06	3859101.99	4.06797	2.04505	2.43576	2.82902	15.67479	5.76822	2.06494	2.04505	4.17E+01	9.20E-01	6.18E-05	1.46E-01	7.22E+00	7.97E-01	3.57E+00	3.39E+00	5.10E+01
1800	494411.06	3859101.99	4.03097	2.03121	2.42164	2.81797	15.58677	6.15171	2.05046	2.03121	4.13E+01	9.14E-01	6.14E-05	1.46E-01	7.18E+00	8.50E-01	3.54E+00	3.37E+00	5.06E+01
1801	494461.06	3859101.99	3.98849	2.01588	2.40753	2.80364	15.40197	6.79576	2.0341	2.01588	4.09E+01	9.07E-01	6.11E-05	1.45E-01	7.10E+00	9.40E-01	3.51E+00	3.34E+00	5.02E+01
1802	494511.06	3859101.99	3.93805	2.00035	2.38649	2.78611	14.9034	7.60853	2.01808	2.00035	4.04E+01	9.00E-01	6.05E-05	1.44E-01	6.87E+00	1.05E+00	3.48E+00	3.31E+00	4.95E+01
1803	494561.06	3859101.99	3.89067	1.97753	2.37241	2.7672	14.54193	8.49802	1.99436	1.97753	3.99E+01	8.90E-01	6.02E-05	1.43E-01	6.70E+00	1.17E+00	3.44E+00	3.28E+00	4.90E+01
1804	494611.06	3859101.99	3.82842	1.95869	2.35842	2.74617	13.75614	9.65636	1.97496	1.95869	3.93E+01	8.81E-01	5.98E-05	1.42E-01	6.34E+00	1.34E+00	3.41E+00	3.25E+00	4.81E+01
1805	494661.06	3859101.99	3.77749	1.92163	2.34438	2.72471	13.34442	10.8313	1.93717	1.92163	3.87E+01	8.65E-01	5.95E-05	1.41E-01	6.15E+00	1.50E+00	3.34E+00	3.18E+00	4.75E+01
1806	494711.06	3859101.99	3.7008	1.88543	2.33052	2.70038	12.36499	12.19949	1.89991	1.88543	3.79E+01	8.49E-01	5.91E-05	1.40E-01	5.70E+00	1.69E+00	3.28E+00	3.12E+00	4.65E+01
1807	494761.06	3859101.99	3.66305	1.83045	2.31645	2.67715	12.25495	12.4627	1.84437	1.83045	3.76E+01	8.24E-01	5.88E-05	1.39E-01	5.65E+00	1.72E+00	3.18E+00	3.03E+00	4.60E+01
1808	494811.06	3859101.99	3.60102	1.77268	2.30257	2.65148	11.65283	12.61468	1.7856	1.77268	3.69E+01	7.98E-01	5.84E-05	1.37E-01	5.37E+00	1.74E+00	3.08E+00	2.94E+00	4.51E+01
1809	494861.06	3859101.99	3.54206	1.70726	2.28872	2.62507	11.12247	13.6334	1.71935	1.70726	3.63E+01	7.68E-01	5.81E-05	1.36E-01	5.13E+00	1.88E+00	2.97E+00	2.83E+00	4.44E+01
1810	494911.06	3859101.99	3.4603	1.63334	2.27508	2.59687	10.27116	13.33611	1.64453	1.63334	3.55E+01	7.35E-01	5.77E-05	1.34E-01	4.73E+00	1.84E+00	2.84E+00	2.71E+00	4.31E+01
1811	494961.06	3859101.99	3.33258	1.54306	2.26179	2.56655	8.92657	14.67379	1.5532	1.54306	3.42E+01	6.94E-01	5.74E-05	1.33E-01	4.11E+00	2.03E+00	2.68E+00	2.56E+00	4.13E+01
1812	495011.06	3859101.99	3.17875	1.43988	2.24864	2.53461	7.59763	14.46002	1.44895	1.43988	3.26E+01	6.48E-01	5.70E-05	1.31E-01	3.50E+00	2.00E+00	2.50E+00	2.39E+00	3.90E+01
1813	495061.06	3859101.99	3.1701	1.36946	2.23469	2.50741	7.66141	14.38406	1.37793	1.36946	3.25E+01	6.16E-01	5.67E-05	1.30E-01	3.53E+00	1.99E+00	2.38E+00	2.27E+00	3.89E+01
1814	495111.06	3859101.99	3.15571	1.28786	2.22105	2.47868	7.33654	14.02268	1.29564	1.28786	3.24E+01	5.80E-01	5.63E-05	1.28E-01	3.38E+00	1.94E+00	2.24E+00	2.13E+00	3.85E+01
1815	495161.06	3859101.99	3.15629	1.22386	2.20705	2.45183	7.60093	13.92636	1.23118	1.22386	3.24E+01	5.51E-01	5.60E-05	1.27E-01	3.50E+00	1.93E+00	2.13E+00	2.03E+00	3.86E+01
1816	495211.06	3859101.99	3.15084	1.14402	2.19351	2.42288	7.27789	13.43081	1.15072	1.14402	3.23E+01	5.15E-01	5.56E-05	1.25E-01	3.35E+00	1.86E+00	1.99E+00	1.90E+00	3.83E+01
1817	495261.06	3859101.99	3.14897	1.07483	2.17981	2.39508	7.27355	13.21732	1.08106	1.07483	3.23E+01	4.84E-01	5.53E-05	1.24E-01	3.35E+00	1.83E+00	1.87E+00	1.78E+00	3.82E+01
1818	495311.06	3859101.99	3.14772	1.00424	2.16614	2.36764	7.45099	14.16287	1.01002	1.00424	3.23E+01	4.52E-01	5.50E-05	1.23E-01	3.43E+00	1.96E+00	1.74E+00	1.66E+00	3.83E+01
1819	495361.06	3859101.99	3.14424	0.93812	2.15269	2.33958	7.62195	14.9197	0.94347	0.93812	3.22E+01	4.22E-01	5.46E-05	1.21E-01	3.51E+00	2.06E+00	1.63E+00	1.55E+00	3.84E+01
1820	495411.06	3859101.99	3.14151	0.87194	2.13927	2.31203	7.7903	15.53494	0.87688	0.87194	3.22E+01	3.92E-01	5.43E-05	1.20E-01	3.59E+00	2.15E+00	1.51E+00	1.44E+00	3.85E+01
1821	495461.06	3859101.99	3.13913	0.8044	2.12591	2.28495	7.9572	16.00042	0.80897	0.8044	3.22E+01	3.62E-01	5.39E-05	1.18E-01	3.67E+00	2.21E+00	1.40E+00	1.33E+00	3.86E+01
1822	495511.06	3859101.99	3.13555	0.74167	2.1127	2.25774	8.11856	16.35885	0.75347	0.74167	3.22E+01	3.34E-01	5.36E-05	1.17E-01	3.74E+00	2.26E+00	1.30E+00	1.23E+00	3.87E+01
1823	495561.06	3859101.99	3.12766	0.72901	2.09983	2.22954	8.27003	16.3212	0.75834	0.72901	3.21E+01	3.28E-01	5.33E-05	1.15E-01	3.81E+00	2.26E+00	1.31E+00	1.21E+00	3.87E+01
1824	495611.06	3859101.99	3.12191	0.73468	2.08693	2.20247	8.42182	16.38019	0.76404	0.73468	3.20E+01	3.31E-01	5.29E-05	1.14E-01	3.88E+00	2.26E+00	1.32E+00	1.22E+00	3.87E+01
1825	495661.06	3859101.99	3.11998	0.74605	2.07386	2.17727	8.57428	16.97847	0.77157	0.74605	3.20E+01	3.36E-01	5.26E-05	1.13E-01	3.95E+00	2.35E+00	1.33E+00	1.24E+00	3.88E+01

1826	494311.06	3859151.99	4.18614	2.00138	2.55731	2.80121	16.63648	5.31731	2.02499	2.00138	4.29E+01	9.01E-01	6.49E-05	1.45E-01	7.67E+00	7.35E-01	3.50E+00	3.32E+00	5.26E+01
1827	494361.06	3859151.99	4.15244	2.00131	2.54559	2.8052	16.64759	5.70936	2.02389	2.00131	4.26E+01	9.01E-01	6.46E-05	1.45E-01	7.67E+00	7.89E-01	3.49E+00	3.32E+00	5.23E+01
1828	494411.06	3859151.99	4.11536	2.0099	2.48289	2.80545	16.34404	6.21323	2.03048	2.0099	4.22E+01	9.05E-01	6.30E-05	1.45E-01	7.53E+00	8.59E-01	3.51E+00	3.33E+00	5.18E+01
1829	494461.06	3859151.99	4.07635	2.01186	2.45815	2.80322	15.98306	6.81278	2.03181	2.01186	4.18E+01	9.05E-01	6.24E-05	1.45E-01	7.37E+00	9.42E-01	3.51E+00	3.33E+00	5.13E+01
1830	494511.06	3859151.99	4.03201	2.01357	2.44027	2.79795	15.42894	7.57328	2.03261	2.01357	4.13E+01	9.06E-01	6.19E-05	1.45E-01	7.11E+00	1.05E+00	3.51E+00	3.34E+00	5.07E+01
1831	494561.06	3859151.99	3.99157	1.99683	2.42247	2.79122	15.09341	8.43466	2.01502	1.99683	4.09E+01	8.99E-01	6.15E-05	1.44E-01	6.96E+00	1.17E+00	3.48E+00	3.31E+00	5.03E+01
1832	494611.06	3859151.99	3.94087	1.98233	2.39794	2.7805	14.46999	9.62112	1.99983	1.98233	4.04E+01	8.92E-01	6.08E-05	1.44E-01	6.67E+00	1.33E+00	3.45E+00	3.28E+00	4.96E+01
1833	494661.06	3859151.99	3.89642	1.95743	2.38045	2.76904	14.23453	11.05555	1.97404	1.95743	4.00E+01	8.81E-01	6.04E-05	1.43E-01	6.56E+00	1.53E+00	3.41E+00	3.24E+00	4.92E+01
1834	494711.06	3859151.99	3.85363	1.92644	2.3631	2.75635	14.04879	12.95132	1.94236	1.92644	3.95E+01	8.67E-01	5.99E-05	1.43E-01	6.47E+00	1.79E+00	3.35E+00	3.19E+00	4.90E+01
1835	494761.06	3859151.99	3.78905	1.89941	2.34602	2.74023	13.24305	16.13369	1.91475	1.89941	3.89E+01	8.55E-01	5.95E-05	1.42E-01	6.10E+00	2.23E+00	3.31E+00	3.15E+00	4.83E+01
1836	494811.06	3859151.99	3.72645	1.86072	2.32908	2.72286	12.58705	21.57415	1.87457	1.86072	3.82E+01	8.37E-01	5.91E-05	1.41E-01	5.80E+00	2.98E+00	3.24E+00	3.08E+00	4.81E+01
1837	494861.06	3859151.99	3.67608	1.80866	2.31221	2.7048	12.23873	25.20529	1.82222	1.80866	3.77E+01	8.14E-01	5.87E-05	1.40E-01	5.64E+00	3.48E+00	3.15E+00	3.00E+00	4.79E+01
1838	494911.06	3859151.99	3.59443	1.75037	2.29569	2.68371	11.32286	26.40014	1.76303	1.75037	3.69E+01	7.88E-01	5.82E-05	1.39E-01	5.22E+00	3.65E+00	3.04E+00	2.90E+00	4.68E+01
1839	494961.06	3859151.99	3.48852	1.67209	2.27948	2.66094	9.87773	27.13932	1.68373	1.67209	3.58E+01	7.53E-01	5.78E-05	1.38E-01	4.55E+00	3.75E+00	2.91E+00	2.77E+00	4.51E+01
1840	495011.06	3859151.99	3.35118	1.5889	2.26367	2.63582	8.82413	29.01415	1.5995	1.5889	3.44E+01	7.15E-01	5.74E-05	1.36E-01	4.07E+00	4.01E+00	2.76E+00	2.63E+00	4.34E+01
1841	495061.06	3859151.99	3.32658	1.51848	2.24726	2.61373	8.82794	29.72068	1.52841	1.51848	3.41E+01	6.83E-01	5.70E-05	1.35E-01	4.07E+00	4.11E+00	2.64E+00	2.52E+00	4.32E+01
1842	495111.06	3859151.99	3.29116	1.44391	2.23106	2.59024	8.69087	31.02556	1.45314	1.44391	3.37E+01	6.50E-01	5.66E-05	1.34E-01	4.01E+00	4.29E+00	2.51E+00	2.39E+00	4.29E+01
1843	495161.06	3859151.99	3.30084	1.37881	2.21473	2.56762	9.03862	30.79949	1.38753	1.37881	3.38E+01	6.21E-01	5.62E-05	1.33E-01	4.17E+00	4.26E+00	2.40E+00	2.28E+00	4.31E+01
1844	495211.06	3859151.99	3.27011	1.30387	2.19881	2.54284	8.90561	31.13074	1.31197	1.30387	3.35E+01	5.87E-01	5.58E-05	1.32E-01	4.10E+00	4.30E+00	2.27E+00	2.16E+00	4.28E+01
1845	495261.06	3859151.99	3.241	1.22924	2.18303	2.51752	8.76913	29.39883	1.23674	1.22924	3.32E+01	5.53E-01	5.54E-05	1.30E-01	4.04E+00	4.06E+00	2.14E+00	2.04E+00	4.21E+01
1846	495311.06	3859151.99	3.21708	1.15643	2.16737	2.49191	8.67127	29.12458	1.16338	1.15643	3.30E+01	5.20E-01	5.50E-05	1.29E-01	4.00E+00	4.03E+00	2.01E+00	1.92E+00	4.18E+01
1847	495361.06	3859151.99	3.19005	1.08381	2.15188	2.46583	8.51743	29.61772	1.09024	1.08381	3.27E+01	4.88E-01	5.46E-05	1.28E-01	3.93E+00	4.09E+00	1.88E+00	1.80E+00	4.14E+01
1848	495411.06	3859151.99	3.19258	1.02061	2.13634	2.44064	8.69555	28.06548	1.02664	1.02061	3.27E+01	4.59E-01	5.42E-05	1.26E-01	4.01E+00	3.88E+00	1.77E+00	1.69E+00	4.13E+01
1849	495461.06	3859151.99	3.16763	0.95191	2.12114	2.41424	8.52681	28.77677	0.9575	0.95191	3.25E+01	4.28E-01	5.38E-05	1.25E-01	3.93E+00	3.98E+00	1.65E+00	1.58E+00	4.10E+01
1850	495511.06	3859151.99	3.11746	0.87823	2.10625	2.38674	8.04327	29.79416	0.88332	0.87823	3.20E+01	3.95E-01	5.34E-05	1.24E-01	3.71E+00	4.12E+00	1.53E+00	1.46E+00	4.04E+01
1851	495561.06	3859151.99	3.08178	0.80995	2.09144	2.35958	7.68554	29.69145	0.81461	0.80995	3.16E+01	3.65E-01	5.31E-05	1.22E-01	3.54E+00	4.10E+00	1.41E+00	1.34E+00	3.98E+01
1852	495611.06	3859151.99	3.07775	0.74551	2.07675	2.33259	7.58874	29.33872	0.75076	0.74551	3.16E+01	3.36E-01	5.27E-05	1.21E-01	3.50E+00	4.06E+00	1.30E+00	1.24E+00	3.96E+01
1853	495661.06	3859151.99	3.07418	0.72489	2.06218	2.30593	7.75025	28.90194	0.75678	0.72489	3.15E+01	3.26E-01	5.23E-05	1.19E-01	3.57E+00	4.00E+00	1.31E+00	1.20E+00	3.96E+01
1854	494311.06	3859201.99	4.23629	1.92545	4.4228	2.70949	16.78908	5.89667	1.95438	1.92545	4.34E+01	8.67E-01	1.12E-04	1.40E-01	7.74E+00	8.15E-01	3.37E+00	3.19E+00	5.32E+01
1855	494361.06	3859201.99	4.20627	1.93841	4.38541	2.72415	16.83087	6.47548	1.965	1.93841	4.31E+01	8.72E-01	1.11E-04	1.41E-01	7.76E+00	8.95E-01	3.39E+00	3.21E+00	5.30E+01
1856	494411.06	3859201.99	4.17639	1.95315	2.68465	2.73601	16.7379	7.1529	1.97776	1.95315	4.28E+01	8.79E-01	6.81E-05	1.42E-01	7.71E+00	9.89E-01	3.41E+00	3.24E+00	5.27E+01
1857	494461.06	3859201.99	4.14495	1.98087	2.58186	2.74473	16.43207	7.9548	2.00265	1.98087	4.25E+01	8.91E-01	6.55E-05	1.42E-01	7.57E+00	1.10E+00	3.46E+00	3.28E+00	5.24E+01
1858	494511.06	3859201.99	4.11132	1.98553	2.5154	2.75201	16.25265	8.85206	2.00668	1.98553	4.22E+01	8.94E-01	6.38E-05	1.42E-01	7.49E+00	1.22E+00	3.46E+00	3.29E+00	5.21E+01
1859	494561.06	3859201.99	4.07274	1.99543	2.41864	2.75586	15.77441	9.91038	2.01535	1.99543	4.18E+01	8.98E-01	6.14E-05	1.43E-01	7.27E+00	1.37E+00	3.48E+00	3.31E+00	5.16E+01
1860	494611.06	3859201.99	4.03279	1.99308	2.39842	2.75796	15.38628	11.56385	2.01178	1.99308	4.14E+01	8.97E-01	6.08E-05	1.43E-01	7.09E+00	1.60E+00	3.47E+00	3.30E+00	5.13E+01
1861	494661.06	3859201.99	3.99323	1.9774	2.37844	2.75828	15.06398	13.69936	1.99539	1.9774	4.09E+01	8.90E-01	6.03E-05	1.43E-01	6.94E+00	1.89E+00	3.45E+00	3.28E+00	5.10E+01
1862	494711.06	3859201.99	3.95205	1.95585	2.3587	2.75559	14.70178	16.01162	1.97303	1.95585	4.05E+01	8.80E-01	5.98E-05	1.43E-01	6.78E+00	2.21E+00	3.41E+00	3.24E+00	5.07E+01
1863	494761.06	3859201.99	3.89863	1.93917	2.33239	2.74941	14.00836	18.05791	1.95557	1.93917	4.00E+01	8.73E-01	5.92E-05	1.42E-01	6.46E+00	2.50E+00	3.38E+00	3.21E+00	5.01E+01
1864	494811.06	3859201.99	3.8455	1.91495	2.31322	2.74251	13.40197	19.25527	1.93097	1.91495	3.94E+01	8.62E-01	5.87E-05	1.42E-01	6.18E+00	2.66E+00	3.33E+00	3.17E+00	4.94E+01
1865	494861.06	3859201.99	3.78835	1.87585	2.2943	2.73374	12.61681	15.79743	1.8906	1.87585	3.88E+01	8.44E-01	5.82E-05	1.42E-01	5.81E+00	2.18E+00	3.26E+00	3.11E+00	4.80E+01
1866	494911.06	3859201.99	3.70218	1.84489	2.27582	2.72162	11.73092	15.244	1.85875	1.84489	3.80E+01	8.30E-01	5.77E-05	1.41E-01	5.41E+00	2.11E+00	3.21E+00	3.06E+00	4.66E+01
1867	494961.06	3859201.99	3.60584	1.78822	2.25764	2.70782	10.71015	15.42765	1.80128	1.78822	3.70E+01	8.05E-01	5.73E-05	1.40E-01	4.94E+00	2.13E+00	3.11E+00	2.96E+00	4.51E+01
1868	495011.06	3859201.99	3.46608	1.71047	2.23998	2.69144	9.27641	16.6293	1.72244	1.71047	3.55E+01	7.70E-01	5.68E-05	1.39E-01	4.27E+00	2.30E+00	2.97E+00	2.83E+00	4.32E+01
1869	495061.06	3859201.99	3.4946	1.65589	2.22149	2.67916	10.07506	15.25612	1.66737	1.65589	3.58E+01	7.45E-01	5.64E-05	1.39E-01	4.64E+00	2.11E+00	2.88E+00	2.74E+00	4.36E+01
1870	495111.06	3859201.99	3.475	1.58976	2.20351	2.66387	10.22462	14.49033	1.60058	1.58976	3.56E+01	7.15E-01	5.59E-05	1.38E-01	4.71E+00	2.00E+00	2.76E+00	2.63E+00	4.33E+01
1871	495161.06	3859201.99	3.44932	1.5206	2.18581	2.64698	10.26683	13.72812	1.53076	1.5206	3.54E+01	6.84E-01	5.54E-05	1.37E-01	4.73E+00	1.90E+00	2.64E+00	2.52E+00	4.29E+01
1872	495211.06	3859201.99	3.40701	1.44664	2.16843	2.62815	10.04672	13.10248	1.45609	1.44664	3.49E+01	6.51E-01	5.50E-05	1.36E-01	4.63E+00	1.81E+00	2.51E+00	2.40E+00	4.23E+01
1873	495261.06	3859201.99	3.3895	1.37645	2.15111	2.60912	10.15154	13.14019	1.38531	1.37645	3.48E+01	6.19E-01	5.46E-05	1.35E-01	4.68E+00	1.82E+00	2.39E+00	2.28E+00	4.21E+01
1874	495311.06	3859201.99	3.36336	1.30415	2.13406	2.58876	10.11191	13.2589	1.31241	1.30415	3.45E+01	5.87E-01	5.41E-05	1.34E-01	4.66E+00	1.83E+00	2.27E+00	2.16E+00	4.18E+01
1875	495361.06	3859201.99	3.34138	1.23284	2.11719	2.56767	10.10472	13.06791	1.24054	1.23284	3.43E+01	5.55E-01	5.37E-05	1.33E-01	4.66E+00	1.81E+00	2.14E+00	2.04E+00	4.15E+01
1876	495411.06	3859201.99	3.33314	1.1655	2.10043	2.54634	10.28112	12.46552	1.17272	1.1655	3.42E+01	5.25E-01	5.33E-05	1.32E-01	4.74E+00	1.72E+00	2.02E+00	1.93E+00	4.14E+01
1877	495461.06	3859201.99	3.30096	1.09344	2.08405	2.52329	10.07192	11.98548	1.10013	1.09344	3.38E+01	4.92E-01	5.29E-05	1.31E-01	4.64E+00	1.66E+00	1.90E+00	1.81E+00	4.09E+01
1878	495511.06	3859201.99	3.26937	1.02276	2.06787	2.49967	9.85152	12.97124	1.02894	1.02276	3.35E+01	4.60E-01	5.25E-05	1.29E-01	4.54E+00	1.79E+00	1.78E+00	1.69E+00	4.05E+01
1879	495561.06	3859201.99	3.21768	0.9481	2.05203	2.47461	9.32524	15.22418	0.95373	0.9481	3.30E+01	4.27E-01	5.21E-05	1.28E-01	4.30E+00	2.10E+00	1.65E+00	1.57E+00	4.00E+01
1880	495611.06	3859201.99	3.1769	0.87818	2.03631	2.44966	8.94691	18.56373	0.88335	0.87818	3.26E+01	3.95E-01	5.17E-05	1.27E-01	4.12E+00	2.57E+00	1.53E+00	1.46E+00	3.99E+01
1881	495661.06	3859201.99	3.14556	0.81318	2.02072	2.42484	8.68307	12.95856	0.81795	0.81318	3.23E+01	3.66E-01	5.13E-05	1.26E-01	4.00E+00	1.79E+00	1.41E+00	1.35E+00	3.86E+01
1882	494311.06	3859251.99	4.22892	1.85652	4.35012	2.93031	16.39353	6.93502	1.89338	1.85652	4.34E+01	8.36E-01	1.10E-04	1.52E-01	7.55E+00	9.59E-01	3.27E+00	3.08E+00	5.31E+01
1883	494361.06	3859251.99	4.20021	1.87693	4.30877	2.8253	16.46758	7.67048	1.90974	1.87693	4.31E+01	8.45E-01	1.09E-04	1.46E-01	7.59E+00	1.06E+00	3.30E+00	3.11E+00	5.29E+01
1884	494411.06	3859251.99	4.16995	1.90475	4.26722	2.62081	16.37296	8.48978	1.9338	1.90475	4.28E+01	8.57E-01	1.08E-04	1.36E-01	7.55E+00	1.17E+00	3.34E+00	3.16E+00	5.27E+01

1885	494461.06	3859251.99	4.1902	1.92242	4.22693	2.63964	16.38056	9.35558	1.949	1.92242	4.30E+01	8.65E-01	1.07E-04	1.37E-01	7.55E+00	1.29E+00	3.36E+00	3.19E+00	5.30E+01
1886	494511.06	3859251.99	4.16453	1.94978	2.39693	2.65533	16.12252	10.26514	1.97314	1.94978	4.27E+01	8.77E-01	6.08E-05	1.37E-01	7.43E+00	1.42E+00	3.41E+00	3.23E+00	5.27E+01
1887	494561.06	3859251.99	4.13445	1.96822	2.37485	2.66992	16.00633	11.11207	1.98976	1.96822	4.24E+01	8.86E-01	6.02E-05	1.38E-01	7.38E+00	1.54E+00	3.44E+00	3.26E+00	5.25E+01
1888	494611.06	3859251.99	4.10137	1.98015	2.34566	2.68184	15.71952	11.84799	2.00049	1.98015	4.21E+01	8.91E-01	5.95E-05	1.39E-01	7.24E+00	1.64E+00	3.45E+00	3.28E+00	5.21E+01
1889	494661.06	3859251.99	4.06855	1.97263	2.32428	2.69348	15.63336	12.3268	1.99227	1.97263	4.17E+01	8.88E-01	5.90E-05	1.39E-01	7.20E+00	1.70E+00	3.44E+00	3.27E+00	5.18E+01
1890	494711.06	3859251.99	4.0333	1.96688	2.30324	2.702	15.39593	12.64276	1.98532	1.96688	4.14E+01	8.85E-01	5.84E-05	1.40E-01	7.10E+00	1.75E+00	3.43E+00	3.26E+00	5.14E+01
1891	494761.06	3859251.99	3.98027	1.96439	2.28263	2.70529	14.42156	13.24439	1.98202	1.96439	4.08E+01	8.84E-01	5.79E-05	1.40E-01	6.65E+00	1.83E+00	3.42E+00	3.25E+00	5.05E+01
1892	494811.06	3859251.99	3.9451	1.943	2.25532	2.71005	14.3905	13.65188	1.95992	1.943	4.05E+01	8.74E-01	5.72E-05	1.40E-01	6.63E+00	1.89E+00	3.38E+00	3.22E+00	5.02E+01
1893	494861.06	3859251.99	3.88216	1.92735	2.23536	2.70989	13.36579	13.77398	1.94347	1.92735	3.98E+01	8.67E-01	5.67E-05	1.40E-01	6.16E+00	1.90E+00	3.36E+00	3.19E+00	4.90E+01
1894	494911.06	3859251.99	3.80269	1.91678	2.21581	2.70779	12.53006	9.74217	1.93193	1.91678	3.90E+01	8.63E-01	5.62E-05	1.40E-01	5.77E+00	1.35E+00	3.34E+00	3.18E+00	4.73E+01
1895	494961.06	3859251.99	3.74913	1.8744	2.19639	2.70589	12.06688	9.79232	1.88878	1.8744	3.84E+01	8.44E-01	5.57E-05	1.40E-01	5.56E+00	1.35E+00	3.26E+00	3.11E+00	4.65E+01
1896	495011.06	3859251.99	3.68566	1.8252	2.17732	2.70159	11.47224	10.0295	1.83892	1.8252	3.78E+01	8.21E-01	5.52E-05	1.40E-01	5.29E+00	1.39E+00	3.17E+00	3.02E+00	4.56E+01
1897	495061.06	3859251.99	3.66658	1.76814	2.15826	2.69754	11.489	10.03246	1.78122	1.76814	3.76E+01	7.96E-01	5.48E-05	1.40E-01	5.29E+00	1.39E+00	3.08E+00	2.93E+00	4.54E+01
1898	495111.06	3859251.99	3.62888	1.70822	2.1396	2.6907	11.34996	10.14984	1.72041	1.70822	3.72E+01	7.69E-01	5.43E-05	1.39E-01	5.23E+00	1.40E+00	2.97E+00	2.83E+00	4.49E+01
1899	495161.06	3859251.99	3.60008	1.64487	2.12116	2.68254	11.44311	10.16306	1.65639	1.64487	3.69E+01	7.40E-01	5.38E-05	1.39E-01	5.27E+00	1.41E+00	2.86E+00	2.73E+00	4.46E+01
1900	495211.06	3859251.99	3.56027	1.57824	2.10306	2.67215	11.32012	10.14586	1.58918	1.57824	3.65E+01	7.10E-01	5.34E-05	1.38E-01	5.22E+00	1.40E+00	2.74E+00	2.62E+00	4.41E+01
1901	495261.06	3859251.99	3.54055	1.50608	2.08507	2.66139	11.27748	9.75209	1.51624	1.50608	3.63E+01	6.78E-01	5.29E-05	1.38E-01	5.20E+00	1.35E+00	2.62E+00	2.50E+00	4.38E+01
1902	495311.06	3859251.99	3.51266	1.44172	2.06743	2.64826	11.55243	9.16105	1.45127	1.44172	3.60E+01	6.49E-01	5.24E-05	1.37E-01	5.32E+00	1.27E+00	2.51E+00	2.39E+00	4.35E+01
1903	495361.06	3859251.99	3.48159	1.37113	2.05005	2.63377	11.49861	9.70178	1.38005	1.37113	3.57E+01	6.17E-01	5.20E-05	1.36E-01	5.30E+00	1.34E+00	2.38E+00	2.27E+00	4.32E+01
1904	495411.06	3859251.99	3.46546	1.30194	2.03282	2.61888	11.69697	10.17156	1.3102	1.30194	3.55E+01	5.86E-01	5.16E-05	1.36E-01	5.39E+00	1.41E+00	2.26E+00	2.16E+00	4.32E+01
1905	495461.06	3859251.99	3.43372	1.23103	2.01593	2.60186	11.56466	10.30948	1.23895	1.23103	3.52E+01	5.54E-01	5.11E-05	1.35E-01	5.33E+00	1.43E+00	2.14E+00	2.04E+00	4.28E+01
1906	495511.06	3859251.99	3.38438	1.15704	1.99939	2.58279	11.08642	12.7752	1.16432	1.15704	3.47E+01	5.21E-01	5.07E-05	1.34E-01	5.11E+00	1.77E+00	2.01E+00	1.92E+00	4.23E+01
1907	495561.06	3859251.99	3.34856	1.0858	1.983	2.5635	10.83748	14.05871	1.09253	1.0858	3.43E+01	4.89E-01	5.03E-05	1.33E-01	4.99E+00	1.94E+00	1.89E+00	1.80E+00	4.20E+01
1908	495611.06	3859251.99	3.3026	1.01317	1.96691	2.54272	10.40375	11.14782	1.01935	1.01317	3.39E+01	4.56E-01	4.99E-05	1.32E-01	4.79E+00	1.54E+00	1.76E+00	1.68E+00	4.09E+01
1909	495661.06	3859251.99	3.26674	0.94412	1.95098	2.52174	10.12167	8.47679	0.94981	0.94412	3.35E+01	4.25E-01	4.95E-05	1.31E-01	4.66E+00	1.17E+00	1.64E+00	1.56E+00	4.00E+01
1910	494311.06	3859301.99	4.25678	1.86302	4.17892	3.21609	15.49619	7.54987	1.89616	1.86302	4.36E+01	8.38E-01	1.06E-04	1.66E-01	7.14E+00	1.04E+00	3.27E+00	3.09E+00	5.30E+01
1911	494361.06	3859301.99	4.23078	1.84455	4.13647	3.09964	15.67919	7.96145	1.87374	1.84455	4.34E+01	8.30E-01	1.05E-04	1.60E-01	7.23E+00	1.10E+00	3.24E+00	3.06E+00	5.29E+01
1912	494411.06	3859301.99	4.20397	1.84419	4.09433	2.94582	15.7373	8.32725	1.88128	1.84419	4.31E+01	8.30E-01	1.04E-04	1.52E-01	7.25E+00	1.15E+00	3.25E+00	3.06E+00	5.27E+01
1913	494461.06	3859301.99	4.17588	1.86797	4.05277	2.81777	15.745	8.62237	1.90029	1.86797	4.28E+01	8.41E-01	1.03E-04	1.46E-01	7.26E+00	1.19E+00	3.28E+00	3.10E+00	5.24E+01
1914	494511.06	3859301.99	4.14772	1.894	4.01188	2.52619	15.74615	8.82777	1.92281	1.894	4.25E+01	8.52E-01	1.02E-04	1.31E-01	7.26E+00	1.22E+00	3.32E+00	3.14E+00	5.22E+01
1915	494561.06	3859301.99	4.17321	1.91135	3.97199	2.54819	15.77957	8.94383	1.93782	1.91135	4.28E+01	8.60E-01	1.01E-04	1.32E-01	7.27E+00	1.24E+00	3.35E+00	3.17E+00	5.25E+01
1916	494611.06	3859301.99	4.14843	1.92778	2.25695	2.56843	15.73128	9.57048	1.95193	1.92778	4.25E+01	8.68E-01	5.73E-05	1.33E-01	7.25E+00	1.32E+00	3.37E+00	3.19E+00	5.23E+01
1917	494661.06	3859301.99	4.12138	1.94595	2.23531	2.58668	15.6432	10.37234	1.96835	1.94595	4.23E+01	8.76E-01	5.67E-05	1.34E-01	7.21E+00	1.43E+00	3.40E+00	3.22E+00	5.21E+01
1918	494711.06	3859301.99	4.09164	1.95976	2.20662	2.60363	15.42142	10.8924	1.98038	1.95976	4.20E+01	8.82E-01	5.60E-05	1.35E-01	7.11E+00	1.51E+00	3.42E+00	3.25E+00	5.18E+01
1919	494761.06	3859301.99	4.05883	1.96081	2.18576	2.61838	15.2075	11.41379	1.98	1.96081	4.16E+01	8.82E-01	5.54E-05	1.36E-01	7.01E+00	1.58E+00	3.42E+00	3.25E+00	5.14E+01
1920	494811.06	3859301.99	4.01899	1.96364	2.16529	2.63093	14.72973	12.11618	1.98183	1.96364	4.12E+01	8.84E-01	5.49E-05	1.36E-01	6.79E+00	1.68E+00	3.42E+00	3.25E+00	5.09E+01
1921	494861.06	3859301.99	3.96215	1.96539	2.13838	2.63843	13.89437	16.02723	1.98294	1.96539	4.06E+01	8.85E-01	5.42E-05	1.37E-01	6.40E+00	2.22E+00	3.42E+00	3.26E+00	5.04E+01
1922	494911.06	3859301.99	3.91606	1.94985	2.11859	2.6478	13.5251	8.55149	1.96651	1.94985	4.02E+01	8.78E-01	5.37E-05	1.37E-01	6.23E+00	1.18E+00	3.40E+00	3.23E+00	4.87E+01
1923	494961.06	3859301.99	3.83998	1.93434	2.09928	2.65359	12.53265	8.57065	1.95014	1.93434	3.94E+01	8.71E-01	5.33E-05	1.37E-01	5.78E+00	1.18E+00	3.37E+00	3.21E+00	4.75E+01
1924	495011.06	3859301.99	3.79414	1.89611	2.08013	2.65972	12.22963	8.56651	1.91148	1.89611	3.89E+01	8.53E-01	5.28E-05	1.38E-01	5.64E+00	1.18E+00	3.30E+00	3.14E+00	4.69E+01
1925	495061.06	3859301.99	3.80155	1.8313	2.06097	2.66722	12.7544	8.26344	1.8458	1.8313	3.90E+01	8.24E-01	5.23E-05	1.38E-01	5.88E+00	1.14E+00	3.19E+00	3.03E+00	4.71E+01
1926	495111.06	3859301.99	3.74445	1.79428	2.0425	2.66854	12.26491	8.13312	1.80784	1.79428	3.84E+01	8.08E-01	5.18E-05	1.38E-01	5.65E+00	1.12E+00	3.12E+00	2.97E+00	4.63E+01
1927	495161.06	3859301.99	3.71288	1.74259	2.02418	2.66958	12.20697	7.71321	1.75531	1.74259	3.81E+01	7.84E-01	5.13E-05	1.38E-01	5.63E+00	1.07E+00	3.03E+00	2.89E+00	4.58E+01
1928	495211.06	3859301.99	3.69705	1.67948	2.00605	2.66982	12.35262	7.72224	1.69175	1.67948	3.79E+01	7.56E-01	5.09E-05	1.38E-01	5.69E+00	1.07E+00	2.92E+00	2.78E+00	4.57E+01
1929	495261.06	3859301.99	3.67211	1.6166	1.98826	2.66774	12.58674	8.12908	1.62837	1.6166	3.77E+01	7.28E-01	5.04E-05	1.38E-01	5.80E+00	1.12E+00	2.81E+00	2.68E+00	4.56E+01
1930	495311.06	3859301.99	3.62821	1.55622	1.97085	2.66259	12.33944	8.54533	1.5668	1.55622	3.72E+01	7.00E-01	5.00E-05	1.38E-01	5.69E+00	1.18E+00	2.71E+00	2.58E+00	4.50E+01
1931	495361.06	3859301.99	3.60636	1.48827	1.95359	2.6572	12.58662	8.62947	1.49855	1.48827	3.70E+01	6.70E-01	4.96E-05	1.38E-01	5.80E+00	1.19E+00	2.59E+00	2.47E+00	4.49E+01
1932	495411.06	3859301.99	3.57742	1.4211	1.93663	2.64971	12.63866	9.22016	1.43075	1.4211	3.67E+01	6.40E-01	4.91E-05	1.37E-01	5.82E+00	1.27E+00	2.47E+00	2.35E+00	4.47E+01
1933	495461.06	3859301.99	3.551	1.35292	1.91992	2.64084	12.72309	10.91095	1.36211	1.35292	3.64E+01	6.09E-01	4.87E-05	1.37E-01	5.86E+00	1.51E+00	2.35E+00	2.24E+00	4.46E+01
1934	495511.06	3859301.99	3.51033	1.28535	1.90355	2.62951	12.4297	11.44019	1.29375	1.28535	3.60E+01	5.78E-01	4.83E-05	1.36E-01	5.73E+00	1.58E+00	2.23E+00	2.13E+00	4.41E+01
1935	495561.06	3859301.99	3.45562	1.21473	1.8875	2.61599	11.8321	9.6675	1.22257	1.21473	3.54E+01	5.47E-01	4.79E-05	1.35E-01	5.45E+00	1.34E+00	2.11E+00	2.01E+00	4.30E+01
1936	495611.06	3859301.99	3.42007	1.14482	1.87158	2.60236	11.63481	7.03935	1.15188	1.14482	3.51E+01	5.15E-01	4.75E-05	1.35E-01	5.36E+00	9.73E-01	1.99E+00	1.90E+00	4.21E+01
1937	495661.06	3859301.99	3.38428	1.07528	1.85591	2.58746	11.406	6.34919	1.08202	1.07528	3.47E+01	4.84E-01	4.71E-05	1.34E-01	5.26E+00	8.78E-01	1.87E+00	1.78E+00	4.15E+01
1938	494311.06	3859351.99	4.26878	1.86068	3.9318	3.36548	16.01259	6.6173	1.90394	1.86068	4.38E+01	8.37E-01	9.97E-05	1.74E-01	7.38E+00	9.15E-01	3.29E+00	3.08E+00	5.33E+01
1939	494361.06	3859351.99	4.2481	1.85174	3.88089	3.28214	15.33863	6.78523	1.88941	1.85174	4.36E+01	8.33E-01	9.84E-05	1.70E-01	7.07E+00	9.38E-01	3.26E+00	3.07E+00	5.28E+01
1940	494411.06	3859351.99	4.22666	1.84697	3.83993	3.18795	14.60028	7.11896	1.87907	1.84697	4.33E+01	8.31E-01	9.74E-05	1.65E-01	6.73E+00	9.84E-01	3.24E+00	3.06E+00	5.22E+01
1941	494461.06	3859351.99	4.20185	1.8319	3.80002	3.04735	14.75543	7.39787	1.85999	1.8319	4.31E+01	8.24E-01	9.64E-05	1.58E-01	6.80E+00	1.02E+00	3.21E+00	3.04E+00	5.21E+01
1942	494511.06	3859351.99	4.17628	1.83801	3.761	2.93339	14.90041	8.28502	1.87417	1.83801	4.28E+01	8.27E-01	9.54E-05	1.52E-01	6.87E+00	1.15E+00	3.24E+00	3.05E+00	5.20E+01
1943	494561.06	3859351.99	4.15067	1.85512	3.72303	2.85582	15.0903	8.92349	1.8877	1.85512	4.26E+01	8.35E-01	9.44E-05	1.48E-01	6.95E+00	1.23E+00	3.26E+00	3.07E+00	5.19E+01

1944	494611.06	3859351.99	4.12436	1.87304	3.6854	2.6514	15.20109	9.35207	1.9021	1.87304	4.23E+01	8.43E-01	9.35E-05	1.37E-01	7.01E+00	1.29E+00	3.28E+00	3.10E+00	5.18E+01
1945	494661.06	3859351.99	4.15166	1.89433	3.64818	2.47851	15.2452	9.71454	1.92065	1.89433	4.26E+01	8.53E-01	9.25E-05	1.28E-01	7.03E+00	1.34E+00	3.32E+00	3.14E+00	5.21E+01
1946	494711.06	3859351.99	4.13119	1.91623	2.22191	2.47685	15.13997	10.12103	1.9403	1.91623	4.24E+01	8.62E-01	5.64E-05	1.28E-01	6.98E+00	1.40E+00	3.35E+00	3.18E+00	5.19E+01
1947	494761.06	3859351.99	4.10602	1.94163	2.0618	2.49759	14.80165	10.59726	1.96292	1.94163	4.21E+01	8.74E-01	5.23E-05	1.29E-01	6.82E+00	1.47E+00	3.39E+00	3.22E+00	5.16E+01
1948	494811.06	3859351.99	4.06818	1.9798	2.03483	2.51448	14.1812	11.68293	1.99965	1.9798	4.17E+01	8.91E-01	5.16E-05	1.30E-01	6.54E+00	1.62E+00	3.45E+00	3.28E+00	5.11E+01
1949	494861.06	3859351.99	4.03419	1.97289	2.01551	2.53289	14.07472	15.50513	1.99174	1.97289	4.14E+01	8.88E-01	5.11E-05	1.31E-01	6.49E+00	2.14E+00	3.44E+00	3.27E+00	5.12E+01
1950	494911.06	3859351.99	4.00217	1.95561	1.9965	2.55066	14.06571	8.11803	1.97363	1.95561	4.10E+01	8.80E-01	5.06E-05	1.32E-01	6.48E+00	1.12E+00	3.41E+00	3.24E+00	4.98E+01
1951	494961.06	3859351.99	3.96304	1.94079	1.97103	2.56562	13.81564	7.05515	1.95815	1.94079	4.06E+01	8.73E-01	5.00E-05	1.33E-01	6.37E+00	9.75E-01	3.38E+00	3.22E+00	4.92E+01
1952	495011.06	3859351.99	3.9266	1.91686	1.9527	2.57973	13.66876	6.69542	1.93332	1.91686	4.03E+01	8.63E-01	4.95E-05	1.34E-01	6.30E+00	9.26E-01	3.34E+00	3.18E+00	4.86E+01
1953	495061.06	3859351.99	3.90873	1.86905	1.93457	2.59526	14.02807	6.33455	1.88501	1.86905	4.01E+01	8.41E-01	4.91E-05	1.34E-01	6.46E+00	8.76E-01	3.25E+00	3.10E+00	4.86E+01
1954	495111.06	3859351.99	3.87092	1.83647	1.91686	2.60541	13.77785	6.69598	1.85172	1.83647	3.97E+01	8.26E-01	4.86E-05	1.35E-01	6.35E+00	9.26E-01	3.20E+00	3.04E+00	4.81E+01
1955	495161.06	3859351.99	3.83952	1.79292	1.8994	2.61525	13.69821	7.04083	1.80731	1.79292	3.94E+01	8.07E-01	4.82E-05	1.35E-01	6.31E+00	9.73E-01	3.12E+00	2.97E+00	4.77E+01
1956	495211.06	3859351.99	3.80699	1.74626	1.88224	2.62318	13.56316	7.33622	1.76029	1.74626	3.90E+01	7.86E-01	4.77E-05	1.36E-01	6.25E+00	1.01E+00	3.04E+00	2.89E+00	4.74E+01
1957	495261.06	3859351.99	3.77994	1.69024	1.86532	2.62991	13.54016	7.4487	1.70328	1.69024	3.88E+01	7.61E-01	4.73E-05	1.36E-01	6.24E+00	1.03E+00	2.94E+00	2.80E+00	4.71E+01
1958	495311.06	3859351.99	3.74281	1.64092	1.84873	2.63374	13.23638	7.27649	1.65344	1.64092	3.84E+01	7.38E-01	4.69E-05	1.36E-01	6.10E+00	1.01E+00	2.85E+00	2.72E+00	4.65E+01
1959	495361.06	3859351.99	3.71121	1.58308	1.83239	2.63642	13.23669	8.35925	1.59494	1.58308	3.81E+01	7.12E-01	4.65E-05	1.36E-01	6.10E+00	1.16E+00	2.75E+00	2.62E+00	4.63E+01
1960	495411.06	3859351.99	3.68337	1.52001	1.81628	2.63773	13.41511	9.5408	1.53122	1.52001	3.78E+01	6.84E-01	4.61E-05	1.37E-01	6.18E+00	1.32E+00	2.64E+00	2.52E+00	4.62E+01
1961	495461.06	3859351.99	3.6583	1.45376	1.80041	2.6376	13.66034	9.69735	1.46433	1.45376	3.75E+01	6.54E-01	4.57E-05	1.37E-01	6.30E+00	1.34E+00	2.53E+00	2.41E+00	4.61E+01
1962	495511.06	3859351.99	3.6154	1.39478	1.78489	2.63405	13.29488	8.44189	1.40455	1.39478	3.71E+01	6.28E-01	4.53E-05	1.36E-01	6.13E+00	1.17E+00	2.42E+00	2.31E+00	4.52E+01
1963	495561.06	3859351.99	3.57654	1.33069	1.76958	2.62932	13.05838	6.46726	1.33996	1.33069	3.67E+01	5.99E-01	4.49E-05	1.36E-01	6.02E+00	8.94E-01	2.31E+00	2.20E+00	4.44E+01
1964	495611.06	3859351.99	3.54243	1.26444	1.7545	2.62352	12.93477	5.57966	1.27297	1.26444	3.63E+01	5.69E-01	4.45E-05	1.36E-01	5.96E+00	7.71E-01	2.20E+00	2.10E+00	4.39E+01
1965	495661.06	3859351.99	3.49587	1.19899	1.7397	2.61526	12.48325	4.74091	1.20673	1.19899	3.58E+01	5.40E-01	4.41E-05	1.35E-01	5.75E+00	6.55E-01	2.08E+00	1.99E+00	4.30E+01
1966	494311.06	3859401.99	4.26571	1.82367	3.60796	3.61902	17.35432	6.11742	1.88711	1.82367	4.37E+01	8.21E-01	9.15E-05	1.87E-01	8.00E+00	8.46E-01	3.26E+00	3.02E+00	5.38E+01
1967	494361.06	3859401.99	4.25158	1.84206	3.56956	3.4502	16.76537	6.71946	1.89186	1.84206	4.36E+01	8.29E-01	9.06E-05	1.79E-01	7.73E+00	9.29E-01	3.27E+00	3.05E+00	5.35E+01
1968	494411.06	3859401.99	4.23602	1.85046	3.52222	3.34641	16.08931	7.37668	1.8919	1.85046	4.34E+01	8.33E-01	8.94E-05	1.73E-01	7.41E+00	1.02E+00	3.27E+00	3.07E+00	5.31E+01
1969	494461.06	3859401.99	4.21699	1.84201	3.48586	3.33203	15.43573	7.87888	1.87778	1.84201	4.32E+01	8.29E-01	8.84E-05	1.72E-01	7.11E+00	1.09E+00	3.24E+00	3.05E+00	5.26E+01
1970	494511.06	3859401.99	4.19486	1.82067	3.45076	3.29063	14.83125	8.2307	1.85253	1.82067	4.30E+01	8.19E-01	8.75E-05	1.70E-01	6.83E+00	1.14E+00	3.20E+00	3.02E+00	5.22E+01
1971	494561.06	3859401.99	4.17195	1.79872	3.41604	3.13126	14.16009	8.49966	1.84006	1.79872	4.28E+01	8.10E-01	8.67E-05	1.62E-01	6.53E+00	1.18E+00	3.18E+00	2.98E+00	5.16E+01
1972	494611.06	3859401.99	4.14804	1.82195	3.38158	2.99419	14.26352	8.75715	1.85892	1.82195	4.25E+01	8.20E-01	8.58E-05	1.55E-01	6.57E+00	1.21E+00	3.21E+00	3.02E+00	5.15E+01
1973	494661.06	3859401.99	4.12428	1.83847	3.34823	2.95116	14.49473	9.04148	1.87154	1.83847	4.23E+01	8.27E-01	8.49E-05	1.53E-01	6.68E+00	1.25E+00	3.23E+00	3.05E+00	5.14E+01
1974	494711.06	3859401.99	4.0996	1.85308	3.31511	2.86779	14.64631	9.36292	1.88261	1.85308	4.20E+01	8.34E-01	8.41E-05	1.48E-01	6.75E+00	1.29E+00	3.25E+00	3.07E+00	5.12E+01
1975	494761.06	3859401.99	4.13001	1.87881	3.28127	2.44679	14.42337	9.72561	1.90481	1.87881	4.23E+01	8.46E-01	8.32E-05	1.27E-01	6.65E+00	1.34E+00	3.29E+00	3.11E+00	5.15E+01
1976	494811.06	3859401.99	4.11289	1.91706	2.11605	2.40598	14.38841	10.19124	1.93987	1.91706	4.22E+01	8.63E-01	5.37E-05	1.25E-01	6.63E+00	1.41E+00	3.35E+00	3.18E+00	5.14E+01
1977	494861.06	3859401.99	4.08803	1.9472	2.02159	2.40619	14.0958	15.07951	1.96843	1.9472	4.19E+01	8.76E-01	5.13E-05	1.25E-01	6.50E+00	2.08E+00	3.40E+00	3.23E+00	5.17E+01
1978	494911.06	3859401.99	4.0595	1.94515	1.99929	2.42849	13.98616	7.77559	1.9649	1.94515	4.16E+01	8.75E-01	5.07E-05	1.26E-01	6.45E+00	1.07E+00	3.39E+00	3.22E+00	5.03E+01
1979	494961.06	3859401.99	4.03061	1.94201	1.97693	2.44993	14.07378	5.74234	1.9604	1.94201	4.13E+01	8.74E-01	5.02E-05	1.27E-01	6.49E+00	7.94E-01	3.38E+00	3.22E+00	4.98E+01
1980	495011.06	3859401.99	4.00313	1.92226	1.95505	2.47095	14.19194	5.98746	1.93998	1.92226	4.10E+01	8.65E-01	4.96E-05	1.28E-01	6.54E+00	8.28E-01	3.35E+00	3.19E+00	4.96E+01
1981	495061.06	3859401.99	3.97744	1.88618	1.93376	2.49151	14.31002	6.24208	1.90333	1.88618	4.08E+01	8.49E-01	4.91E-05	1.29E-01	6.59E+00	8.63E-01	3.29E+00	3.13E+00	4.94E+01
1982	495111.06	3859401.99	3.94521	1.86552	1.91074	2.50883	14.16256	6.48793	1.88197	1.86552	4.05E+01	8.40E-01	4.85E-05	1.30E-01	6.53E+00	8.97E-01	3.25E+00	3.09E+00	4.90E+01
1983	495161.06	3859401.99	3.9162	1.83554	1.88842	2.52552	14.27041	6.61308	1.85126	1.83554	4.02E+01	8.26E-01	4.79E-05	1.31E-01	6.58E+00	9.14E-01	3.20E+00	3.04E+00	4.88E+01
1984	495211.06	3859401.99	3.88983	1.79336	1.8668	2.54155	14.3842	6.49107	1.8084	1.79336	3.99E+01	8.07E-01	4.74E-05	1.32E-01	6.63E+00	8.97E-01	3.12E+00	2.97E+00	4.85E+01
1985	495261.06	3859401.99	3.8605	1.75039	1.84466	2.55523	14.33002	6.76115	1.76472	1.75039	3.96E+01	7.88E-01	4.68E-05	1.32E-01	6.60E+00	9.35E-01	3.05E+00	2.90E+00	4.82E+01
1986	495311.06	3859401.99	3.82997	1.70466	1.8225	2.56696	14.21625	7.62825	1.71813	1.70466	3.93E+01	7.67E-01	4.62E-05	1.33E-01	6.55E+00	1.05E+00	2.97E+00	2.82E+00	4.79E+01
1987	495361.06	3859401.99	3.80409	1.65059	1.80134	2.57885	14.27388	8.45935	1.66358	1.65059	3.90E+01	7.43E-01	4.57E-05	1.33E-01	6.58E+00	1.17E+00	2.87E+00	2.73E+00	4.78E+01
1988	495411.06	3859401.99	3.77523	1.59657	1.77982	2.58803	14.17646	8.45171	1.6089	1.59657	3.87E+01	7.19E-01	4.52E-05	1.34E-01	6.53E+00	1.17E+00	2.78E+00	2.65E+00	4.74E+01
1989	495461.06	3859401.99	3.7431	1.54246	1.75794	2.59435	14.0036	7.48892	1.5541	1.54246	3.84E+01	6.94E-01	4.46E-05	1.34E-01	6.45E+00	1.04E+00	2.68E+00	2.56E+00	4.68E+01
1990	495511.06	3859401.99	3.7061	1.48687	1.73572	2.59864	13.78934	6.12302	1.49794	1.48687	3.80E+01	6.69E-01	4.40E-05	1.35E-01	6.35E+00	8.47E-01	2.59E+00	2.46E+00	4.61E+01
1991	495561.06	3859401.99	3.66467	1.43203	1.71347	2.60065	13.43374	5.38367	1.44285	1.43203	3.76E+01	6.44E-01	4.35E-05	1.35E-01	6.19E+00	7.44E-01	2.49E+00	2.37E+00	4.54E+01
1992	495611.06	3859401.99	3.63053	1.3723	1.69243	2.60266	13.34767	4.57233	1.38236	1.3723	3.72E+01	6.18E-01	4.29E-05	1.35E-01	6.15E+00	6.32E-01	2.39E+00	2.27E+00	4.49E+01
1993	495661.06	3859401.99	3.5977	1.30926	1.67192	2.6033	13.29888	3.96927	1.31832	1.30926	3.69E+01	5.89E-01	4.24E-05	1.35E-01	6.13E+00	5.49E-01	2.28E+00	2.17E+00	4.44E+01
1994	494311.06	3859451.99	4.25556	1.79759	3.6731	3.66512	18.07332	6.68903	1.87611	1.79759	4.36E+01	8.09E-01	9.32E-05	1.90E-01	8.33E+00	9.25E-01	3.24E+00	2.98E+00	5.41E+01
1995	494361.06	3859451.99	4.24417	1.81307	3.46386	3.55066	17.69983	7.08318	1.88247	1.81307	4.35E+01	8.16E-01	8.79E-05	1.84E-01	8.16E+00	9.79E-01	3.25E+00	3.00E+00	5.39E+01
1996	494411.06	3859451.99	4.23505	1.84782	3.17016	3.42864	17.14865	7.36681	1.90044	1.84782	4.34E+01	8.32E-01	8.04E-05	1.77E-01	7.90E+00	1.02E+00	3.28E+00	3.06E+00	5.36E+01
1997	494461.06	3859451.99	4.2168	1.835	3.13949	3.42745	16.74768	7.57029	1.88218	1.835	4.32E+01	8.26E-01	7.96E-05	1.77E-01	7.72E+00	1.05E+00	3.25E+00	3.04E+00	5.32E+01
1998	494511.06	3859451.99	4.19995	1.82991	3.09909	3.41754	16.20462	7.73689	1.87075	1.82991	4.31E+01	8.24E-01	7.86E-05	1.77E-01	7.47E+00	1.07E+00	3.23E+00	3.03E+00	5.28E+01
1999	494561.06	3859451.99	4.18149	1.81542	3.06904	3.40455	15.65691	7.89579	1.85136	1.81542	4.29E+01	8.17E-01	7.79E-05	1.76E-01	7.22E+00	1.09E+00	3.20E+00	3.01E+00	5.24E+01
2000	494611.06	3859451.99	4.16115	1.7877	3.04016	3.40135	15.15313	8.05932	1.82031	1.7877	4.27E+01	8.05E-01	7.71E-05	1.76E-01	6.98E+00	1.11E+00	3.14E+00	2.96E+00	5.19E+01
2001	494661.06	3859451.99	4.1402	1.7849	3.01059	3.19264	14.46498	8.23281	1.8277	1.7849	4.25E+01	8.03E-01	7.64E-05	1.65E-01	6.67E+00	1.14E+00	3.16E+00	2.96E+00	5.14E+01
2002	494711.06	3859451.99	4.11826	1.81014	2.98152	3.04264	13.73669	8.42053	1.84695	1.81014	4.22E+01	8.15E-01	7.56E-05	1.58E-01	6.33E+00	1.16E+00	3.19E+00	3.00E+00	5.09E+01

2003	494761.06	3859451.99	4.09538	1.82805	2.95327	2.96658	13.72519	8.6133	1.86078	1.82805	4.20E+01	8.23E-01	7.49E-05	1.54E-01	6.33E+00	1.19E+00	3.21E+00	3.03E+00	5.07E+01
2004	494811.06	3859451.99	4.07091	1.85323	2.92439	2.63407	13.75269	9.38033	1.88117	1.85323	4.17E+01	8.34E-01	7.42E-05	1.36E-01	6.34E+00	1.30E+00	3.25E+00	3.07E+00	5.05E+01
2005	494861.06	3859451.99	4.10856	1.87683	2.20495	2.42814	13.79908	14.46818	1.90236	1.87683	4.21E+01	8.45E-01	5.59E-05	1.26E-01	6.36E+00	2.00E+00	3.28E+00	3.11E+00	5.16E+01
2006	494911.06	3859451.99	4.08926	1.88978	2.13864	2.39982	13.90132	7.94498	1.91308	1.88978	4.19E+01	8.50E-01	5.43E-05	1.24E-01	6.41E+00	1.10E+00	3.30E+00	3.13E+00	5.06E+01
2007	494961.06	3859451.99	4.06671	1.89011	2.10735	2.38321	14.10633	5.72239	1.91194	1.89011	4.17E+01	8.51E-01	5.35E-05	1.23E-01	6.50E+00	7.91E-01	3.30E+00	3.13E+00	5.01E+01
2008	495011.06	3859451.99	4.04382	1.89251	2.06384	2.36106	14.22827	5.87675	1.91246	1.89251	4.15E+01	8.52E-01	5.24E-05	1.22E-01	6.56E+00	8.12E-01	3.30E+00	3.14E+00	5.00E+01
2009	495061.06	3859451.99	4.02021	1.88599	2.02149	2.36746	14.31985	5.97841	1.90473	1.88599	4.12E+01	8.49E-01	5.13E-05	1.23E-01	6.60E+00	8.27E-01	3.29E+00	3.12E+00	4.98E+01
2010	495111.06	3859451.99	3.9952	1.87308	1.99877	2.38979	14.36988	5.93267	1.89126	1.87308	4.10E+01	8.43E-01	5.07E-05	1.24E-01	6.62E+00	8.20E-01	3.27E+00	3.10E+00	4.95E+01
2011	495161.06	3859451.99	3.96973	1.84686	1.97888	2.41165	14.53393	5.72424	1.8642	1.84686	4.07E+01	8.31E-01	5.02E-05	1.25E-01	6.70E+00	7.91E-01	3.22E+00	3.06E+00	4.93E+01
2012	495211.06	3859451.99	3.94407	1.8138	1.96473	2.43272	14.71457	6.28558	1.82956	1.8138	4.04E+01	8.16E-01	4.98E-05	1.26E-01	6.78E+00	8.69E-01	3.16E+00	3.01E+00	4.92E+01
2013	495261.06	3859451.99	3.91786	1.77728	1.9587	2.45253	14.84222	7.01531	1.79264	1.77728	4.02E+01	8.00E-01	4.97E-05	1.27E-01	6.84E+00	9.70E-01	3.10E+00	2.94E+00	4.91E+01
2014	495311.06	3859451.99	3.89133	1.74352	1.92903	2.47049	14.82808	7.60928	1.75809	1.74352	3.99E+01	7.85E-01	4.89E-05	1.28E-01	6.83E+00	1.05E+00	3.04E+00	2.89E+00	4.88E+01
2015	495361.06	3859451.99	3.86462	1.70276	1.90947	2.48744	14.82838	7.50881	1.71675	1.70276	3.96E+01	7.66E-01	4.84E-05	1.29E-01	6.83E+00	1.04E+00	2.96E+00	2.82E+00	4.85E+01
2016	495411.06	3859451.99	3.83692	1.66023	1.87827	2.50273	14.73957	6.73289	1.67393	1.66023	3.93E+01	7.47E-01	4.76E-05	1.30E-01	6.79E+00	9.31E-01	2.89E+00	2.75E+00	4.81E+01
2017	495461.06	3859451.99	3.80924	1.61304	1.85693	2.51688	14.66553	5.75418	1.62561	1.61304	3.91E+01	7.26E-01	4.71E-05	1.30E-01	6.76E+00	7.96E-01	2.81E+00	2.67E+00	4.76E+01
2018	495511.06	3859451.99	3.77763	1.57173	1.83351	2.52822	14.31343	5.02797	1.58353	1.57173	3.87E+01	7.07E-01	4.65E-05	1.31E-01	6.60E+00	6.95E-01	2.73E+00	2.60E+00	4.70E+01
2019	495561.06	3859451.99	3.74714	1.51914	1.81239	2.53899	14.0876	4.52498	1.53039	1.51914	3.84E+01	6.84E-01	4.60E-05	1.31E-01	6.49E+00	6.26E-01	2.64E+00	2.52E+00	4.65E+01
2020	495611.06	3859451.99	3.716	1.46261	1.79142	2.54792	13.84108	3.87497	1.47346	1.46261	3.81E+01	6.58E-01	4.54E-05	1.32E-01	6.38E+00	5.36E-01	2.54E+00	2.42E+00	4.59E+01
2021	495661.06	3859451.99	3.68488	1.4041	1.77069	2.55551	13.79477	3.41728	1.4143	1.4041	3.78E+01	6.32E-01	4.49E-05	1.32E-01	6.36E+00	4.72E-01	2.44E+00	2.33E+00	4.55E+01
2022	494311.06	3859501.99	4.23198	1.74917	3.70718	3.66517	18.28981	6.67213	1.84772	1.74917	4.34E+01	7.87E-01	9.40E-05	1.90E-01	8.43E+00	9.22E-01	3.19E+00	2.90E+00	5.40E+01
2023	494361.06	3859501.99	4.22518	1.77473	3.50416	3.57787	18.11749	6.82442	1.86145	1.77473	4.33E+01	7.99E-01	8.89E-05	1.85E-01	8.35E+00	9.43E-01	3.21E+00	2.94E+00	5.39E+01
2024	494411.06	3859501.99	4.22433	1.82614	3.10891	3.51809	17.74319	6.9295	1.89715	1.82614	4.33E+01	8.22E-01	7.89E-05	1.82E-01	8.18E+00	9.58E-01	3.28E+00	3.03E+00	5.37E+01
2025	494461.06	3859501.99	4.20417	1.79943	3.17402	3.52134	17.57531	7.00727	1.8673	1.79943	4.31E+01	8.10E-01	8.05E-05	1.82E-01	8.10E+00	9.69E-01	3.22E+00	2.98E+00	5.34E+01
2026	494511.06	3859501.99	4.19227	1.81289	3.00103	3.51783	17.18945	7.07066	1.86855	1.81289	4.30E+01	8.16E-01	7.61E-05	1.82E-01	7.92E+00	9.78E-01	3.23E+00	3.00E+00	5.31E+01
2027	494561.06	3859501.99	4.17768	1.81346	2.86617	3.51177	16.76805	7.1227	1.86016	1.81346	4.28E+01	8.16E-01	7.27E-05	1.82E-01	7.73E+00	9.85E-01	3.21E+00	3.00E+00	5.28E+01
2028	494611.06	3859501.99	4.15645	1.77567	2.94316	3.51813	16.48722	7.15663	1.8207	1.77567	4.26E+01	7.99E-01	7.47E-05	1.82E-01	7.60E+00	9.89E-01	3.14E+00	2.94E+00	5.24E+01
2029	494661.06	3859501.99	4.14276	1.77662	2.74693	3.50277	15.91621	7.19135	1.81402	1.77662	4.25E+01	8.00E-01	6.97E-05	1.81E-01	7.33E+00	9.94E-01	3.13E+00	2.94E+00	5.20E+01
2030	494711.06	3859501.99	4.12728	1.77614	2.63011	3.38726	15.22047	7.25512	1.80715	1.77614	4.23E+01	7.99E-01	6.67E-05	1.75E-01	7.01E+00	1.00E+00	3.12E+00	2.94E+00	5.15E+01
2031	494761.06	3859501.99	4.10755	1.76834	2.60796	3.41262	14.77494	8.05113	1.81213	1.76834	4.21E+01	7.96E-01	6.62E-05	1.77E-01	6.81E+00	1.11E+00	3.13E+00	2.93E+00	5.12E+01
2032	494811.06	3859501.99	4.08595	1.80607	2.58296	3.00071	13.86523	9.46568	1.84169	1.80607	4.19E+01	8.13E-01	6.55E-05	1.55E-01	6.39E+00	1.31E+00	3.18E+00	2.99E+00	5.08E+01
2033	494861.06	3859501.99	4.06476	1.82085	2.56054	2.93098	13.23351	15.52104	1.8527	1.82085	4.17E+01	8.19E-01	6.50E-05	1.52E-01	6.10E+00	2.15E+00	3.20E+00	3.02E+00	5.11E+01
2034	494911.06	3859501.99	4.04373	1.82811	2.53901	2.91722	13.20156	8.12721	1.85729	1.82811	4.15E+01	8.23E-01	6.44E-05	1.51E-01	6.08E+00	1.12E+00	3.21E+00	3.03E+00	4.98E+01
2035	494961.06	3859501.99	4.02097	1.84455	2.51676	2.65105	13.35923	5.73537	1.87077	1.84455	4.12E+01	8.30E-01	6.38E-05	1.37E-01	6.16E+00	7.93E-01	3.23E+00	3.06E+00	4.93E+01
2036	495011.06	3859501.99	3.99921	1.84479	2.49592	2.59343	13.64913	5.50994	1.8692	1.84479	4.10E+01	8.30E-01	6.33E-05	1.34E-01	6.29E+00	7.62E-01	3.23E+00	3.06E+00	4.92E+01
2037	495061.06	3859501.99	3.97723	1.83951	2.47543	2.52834	13.92288	5.30789	1.86233	1.83951	4.08E+01	8.28E-01	6.28E-05	1.31E-01	6.42E+00	7.34E-01	3.22E+00	3.05E+00	4.91E+01
2038	495111.06	3859501.99	4.01695	1.84281	2.06806	2.40636	13.9983	5.37465	1.86388	1.84281	4.12E+01	8.29E-01	5.25E-05	1.25E-01	6.45E+00	7.43E-01	3.22E+00	3.05E+00	4.95E+01
2039	495161.06	3859501.99	3.99457	1.8274	2.0511	2.38282	14.22866	5.84769	1.84731	1.8274	4.10E+01	8.22E-01	5.20E-05	1.23E-01	6.56E+00	8.08E-01	3.19E+00	3.03E+00	4.94E+01
2040	495211.06	3859501.99	3.97009	1.80226	2.0341	2.39658	14.50668	6.50426	1.82122	1.80226	4.07E+01	8.11E-01	5.16E-05	1.24E-01	6.69E+00	8.99E-01	3.14E+00	2.99E+00	4.94E+01
2041	495261.06	3859501.99	3.94711	1.77936	2.01625	2.36215	14.67549	6.92216	1.79718	1.77936	4.05E+01	8.01E-01	5.11E-05	1.22E-01	6.76E+00	9.57E-01	3.10E+00	2.95E+00	4.93E+01
2042	495311.06	3859501.99	3.92289	1.7494	1.99824	2.36006	14.84963	6.76783	1.7665	1.7494	4.02E+01	7.87E-01	5.07E-05	1.22E-01	6.84E+00	9.36E-01	3.05E+00	2.90E+00	4.91E+01
2043	495361.06	3859501.99	3.8999	1.72002	1.97955	2.37627	14.92957	6.11679	1.73624	1.72002	4.00E+01	7.74E-01	5.02E-05	1.23E-01	6.88E+00	8.46E-01	3.00E+00	2.85E+00	4.88E+01
2044	495411.06	3859501.99	3.87619	1.68584	1.96066	2.39627	14.99031	5.39701	1.7011	1.68584	3.97E+01	7.59E-01	4.97E-05	1.24E-01	6.91E+00	7.46E-01	2.94E+00	2.79E+00	4.84E+01
2045	495461.06	3859501.99	3.85257	1.65214	1.94131	2.41497	14.97873	4.58714	1.66599	1.65214	3.95E+01	7.44E-01	4.92E-05	1.25E-01	6.90E+00	6.34E-01	2.88E+00	2.74E+00	4.80E+01
2046	495511.06	3859501.99	3.82922	1.62547	1.9208	2.43108	14.65271	4.41174	1.63887	1.62547	3.93E+01	7.32E-01	4.87E-05	1.26E-01	6.75E+00	6.10E-01	2.83E+00	2.69E+00	4.76E+01
2047	495561.06	3859501.99	3.80392	1.58273	1.90136	2.4482	14.7153	3.84283	1.59499	1.58273	3.90E+01	7.12E-01	4.82E-05	1.27E-01	6.78E+00	5.31E-01	2.75E+00	2.62E+00	4.73E+01
2048	495611.06	3859501.99	3.77738	1.53763	1.88138	2.46325	14.55981	3.4093	1.54944	1.53763	3.87E+01	6.92E-01	4.77E-05	1.28E-01	6.71E+00	4.71E-01	2.68E+00	2.55E+00	4.69E+01
2049	495661.06	3859501.99	3.74958	1.48958	1.86119	2.47689	14.33955	3.03652	1.50067	1.48958	3.84E+01	6.70E-01	4.72E-05	1.28E-01	6.61E+00	4.20E-01	2.59E+00	2.47E+00	4.64E+01
2050	494311.06	3859551.99	4.19959	1.68649	4.12735	3.64001	17.98351	6.26452	1.80747	1.68649	4.31E+01	7.59E-01	1.05E-04	1.88E-01	8.29E+00	8.66E-01	3.12E+00	2.79E+00	5.35E+01
2051	494361.06	3859551.99	4.19752	1.72456	3.78318	3.62104	17.96895	6.28667	1.83164	1.72456	4.30E+01	7.76E-01	9.60E-05	1.87E-01	8.28E+00	8.69E-01	3.16E+00	2.86E+00	5.35E+01
2052	494411.06	3859551.99	4.20298	1.79002	3.38198	3.61547	17.83183	6.28848	1.87987	1.79002	4.31E+01	8.06E-01	8.58E-05	1.87E-01	8.22E+00	8.69E-01	3.25E+00	2.97E+00	5.35E+01
2053	494461.06	3859551.99	4.18243	1.76461	3.53407	3.61831	17.83811	6.26196	1.84912	1.76461	4.29E+01	7.94E-01	8.97E-05	1.87E-01	8.22E+00	8.66E-01	3.19E+00	2.92E+00	5.32E+01
2054	494511.06	3859551.99	4.17394	1.77938	3.34731	3.61539	17.65218	6.2172	1.85417	1.77938	4.28E+01	8.01E-01	8.49E-05	1.87E-01	8.13E+00	8.60E-01	3.20E+00	2.95E+00	5.30E+01
2055	494561.06	3859551.99	4.16195	1.78099	3.22462	3.61245	17.42733	6.15456	1.84788	1.78099	4.27E+01	8.02E-01	8.18E-05	1.87E-01	8.03E+00	8.51E-01	3.19E+00	2.95E+00	5.28E+01
2056	494611.06	3859551.99	4.14619	1.76655	3.18625	3.61164	17.19783	6.11866	1.8273	1.76655	4.25E+01	7.95E-01	8.08E-05	1.87E-01	7.93E+00	8.46E-01	3.15E+00	2.93E+00	5.25E+01
2057	494661.06	3859551.99	4.13199	1.75881	3.09415	3.60971	16.88746	6.63018	1.81205	1.75881	4.24E+01	7.92E-01	7.85E-05	1.87E-01	7.78E+00	9.17E-01	3.13E+00	2.91E+00	5.23E+01
2058	494711.06	3859551.99	4.12596	1.79691	2.67517	3.55116	16.22987	7.39178	1.83553	1.79691	4.23E+01	8.09E-01	6.79E-05	1.84E-01	7.48E+00	1.02E+00	3.17E+00	2.98E+00	5.20E+01
2059	494761.06	3859551.99	4.10437	1.74731	2.81735	3.58254	16.04125	8.14557	1.78523	1.74731	4.21E+01	7.86E-01	7.15E-05	1.85E-01	7.39E+00	1.13E+00	3.08E+00	2.90E+00	5.18E+01
2060	494811.06	3859551.99	4.09171	1.75008	2.54468	3.48381	15.38478	9.4706	1.79141	1.75008	4.20E+01	7.88E-01	6.46E-05	1.80E-01	7.09E+00	1.31E+00	3.09E+00	2.90E+00	5.15E+01
2061	494861.06	3859551.99	4.07309	1.7637	2.45784	3.2571	14.87422	15.42386	1.80622	1.7637	4.18E+01	7.94E-01	6.24E-05	1.69E-01	6.85E+00	2.13E+00	3.12E+00	2.92E+00	5.19E+01

2062	494911.06	3859551.99	4.05412	1.78463	2.34167	3.08837	14.28561	7.81092	1.82186	1.78463	4.16E+01	8.03E-01	5.94E-05	1.60E-01	6.58E+00	1.08E+00	3.15E+00	2.96E+00	5.04E+01
2063	494961.06	3859551.99	4.03469	1.79346	2.31015	3.06468	13.78447	5.81826	1.82736	1.79346	4.14E+01	8.07E-01	5.86E-05	1.59E-01	6.35E+00	8.04E-01	3.15E+00	2.97E+00	4.97E+01
2064	495011.06	3859551.99	4.01513	1.79641	2.29983	3.05732	13.28702	5.32068	1.82765	1.79641	4.12E+01	8.08E-01	5.83E-05	1.58E-01	6.12E+00	7.36E-01	3.16E+00	2.98E+00	4.92E+01
2065	495061.06	3859551.99	3.99494	1.80106	2.22934	2.99619	13.05792	5.11691	1.82937	1.80106	4.10E+01	8.11E-01	5.66E-05	1.55E-01	6.02E+00	7.07E-01	3.16E+00	2.98E+00	4.88E+01
2066	495111.06	3859551.99	3.97396	1.80584	2.14068	2.94216	13.26999	5.52502	1.83139	1.80584	4.07E+01	8.13E-01	5.43E-05	1.52E-01	6.12E+00	7.64E-01	3.16E+00	2.99E+00	4.88E+01
2067	495161.06	3859551.99	3.95348	1.79668	2.12524	2.93808	13.60165	6.07185	1.82058	1.79668	4.05E+01	8.09E-01	5.39E-05	1.52E-01	6.27E+00	8.39E-01	3.14E+00	2.98E+00	4.88E+01
2068	495211.06	3859551.99	3.93283	1.78095	2.13576	2.95039	13.94658	6.36035	1.80338	1.78095	4.03E+01	8.02E-01	5.42E-05	1.53E-01	6.43E+00	8.79E-01	3.11E+00	2.95E+00	4.88E+01
2069	495261.06	3859551.99	3.91124	1.76986	2.09448	2.88188	14.1314	6.17171	1.79076	1.76986	4.01E+01	7.97E-01	5.31E-05	1.49E-01	6.51E+00	8.53E-01	3.09E+00	2.93E+00	4.86E+01
2070	495311.06	3859551.99	3.88968	1.75237	2.07918	2.86002	14.32973	5.60823	1.77193	1.75237	3.99E+01	7.89E-01	5.27E-05	1.48E-01	6.60E+00	7.75E-01	3.06E+00	2.90E+00	4.84E+01
2071	495361.06	3859551.99	3.86762	1.72883	2.06429	2.84944	14.53288	5.06475	1.74727	1.72883	3.97E+01	7.78E-01	5.24E-05	1.48E-01	6.70E+00	7.00E-01	3.02E+00	2.86E+00	4.81E+01
2072	495411.06	3859551.99	3.84569	1.69967	2.0498	2.84074	14.7382	4.13185	1.71716	1.69967	3.94E+01	7.65E-01	5.20E-05	1.47E-01	6.79E+00	5.71E-01	2.96E+00	2.82E+00	4.79E+01
2073	495461.06	3859551.99	3.82262	1.68123	2.03432	2.58073	14.74823	4.22234	1.69757	1.68123	3.92E+01	7.57E-01	5.16E-05	1.34E-01	6.80E+00	5.84E-01	2.93E+00	2.79E+00	4.76E+01
2074	495511.06	3859551.99	3.85871	1.65776	1.99345	2.40621	14.70445	3.81703	1.67308	1.65776	3.96E+01	7.46E-01	5.06E-05	1.25E-01	6.78E+00	5.28E-01	2.89E+00	2.75E+00	4.79E+01
2075	495561.06	3859551.99	3.83703	1.62252	1.97604	2.34279	14.74653	3.39606	1.63704	1.62252	3.93E+01	7.30E-01	5.01E-05	1.21E-01	6.80E+00	4.70E-01	2.83E+00	2.69E+00	4.76E+01
2076	495611.06	3859551.99	3.81516	1.58449	1.95829	2.35883	14.74813	3.03851	1.59823	1.58449	3.91E+01	7.13E-01	4.97E-05	1.22E-01	6.80E+00	4.20E-01	2.76E+00	2.63E+00	4.73E+01
2077	495661.06	3859551.99	3.793	1.54988	1.93997	2.37675	14.66506	2.7886	1.5627	1.54988	3.89E+01	6.98E-01	4.92E-05	1.23E-01	6.76E+00	3.86E-01	2.70E+00	2.57E+00	4.70E+01
2078	494311.06	3859601.99	4.15409	1.61169	4.53252	3.72495	17.21761	5.64743	1.7602	1.61169	4.26E+01	7.25E-01	1.15E-04	1.93E-01	7.93E+00	7.81E-01	3.04E+00	2.67E+00	5.26E+01
2079	494361.06	3859601.99	4.16997	1.69567	4.03163	3.71712	17.40104	5.57583	1.82253	1.69567	4.28E+01	7.63E-01	1.02E-04	1.92E-01	8.02E+00	7.71E-01	3.15E+00	2.81E+00	5.28E+01
2080	494411.06	3859601.99	4.16999	1.74083	3.80442	3.7125	17.49343	5.48582	1.85211	1.74083	4.28E+01	7.83E-01	9.65E-05	1.92E-01	8.06E+00	7.58E-01	3.20E+00	2.88E+00	5.29E+01
2081	494461.06	3859601.99	4.15015	1.71313	3.92021	3.71301	17.59748	5.44564	1.81806	1.71313	4.26E+01	7.71E-01	9.94E-05	1.92E-01	8.11E+00	7.53E-01	3.14E+00	2.84E+00	5.27E+01
2082	494511.06	3859601.99	4.15012	1.7539	3.63126	3.70706	17.56528	5.38975	1.845	1.7539	4.26E+01	7.89E-01	9.21E-05	1.92E-01	8.09E+00	7.45E-01	3.19E+00	2.91E+00	5.27E+01
2083	494561.06	3859601.99	4.13304	1.73285	3.68818	3.70623	17.56466	5.74678	1.81794	1.73285	4.24E+01	7.80E-01	9.36E-05	1.92E-01	8.09E+00	7.95E-01	3.14E+00	2.87E+00	5.25E+01
2084	494611.06	3859601.99	4.11892	1.7209	3.66755	3.70365	17.49051	6.19678	1.79908	1.7209	4.22E+01	7.74E-01	9.30E-05	1.92E-01	8.06E+00	8.57E-01	3.11E+00	2.85E+00	5.24E+01
2085	494661.06	3859601.99	4.11569	1.74821	3.31806	3.69394	17.25259	6.74276	1.81531	1.74821	4.22E+01	7.87E-01	8.42E-05	1.91E-01	7.95E+00	9.32E-01	3.13E+00	2.90E+00	5.23E+01
2086	494711.06	3859601.99	4.11066	1.78102	3.08253	3.67131	16.94018	7.46427	1.83339	1.78102	4.22E+01	8.02E-01	7.82E-05	1.90E-01	7.81E+00	1.03E+00	3.17E+00	2.95E+00	5.22E+01
2087	494761.06	3859601.99	4.08641	1.71362	3.32404	3.68574	16.88036	8.10245	1.77016	1.71362	4.19E+01	7.71E-01	8.43E-05	1.91E-01	7.78E+00	1.12E+00	3.06E+00	2.84E+00	5.20E+01
2088	494811.06	3859601.99	4.08031	1.7397	3.02204	3.65921	16.44293	9.34683	1.78219	1.7397	4.18E+01	7.83E-01	7.67E-05	1.89E-01	7.58E+00	1.29E+00	3.08E+00	2.88E+00	5.19E+01
2089	494861.06	3859601.99	4.06548	1.72084	2.94978	3.64118	16.09605	15.17722	1.75883	1.72084	4.17E+01	7.74E-01	7.48E-05	1.88E-01	7.42E+00	2.10E+00	3.04E+00	2.85E+00	5.24E+01
2090	494911.06	3859601.99	4.05332	1.7244	2.75202	3.58229	15.58684	7.60485	1.77462	1.7244	4.16E+01	7.76E-01	6.98E-05	1.85E-01	7.18E+00	1.05E+00	3.06E+00	2.86E+00	5.10E+01
2091	494961.06	3859601.99	4.03359	1.72559	2.85072	3.61573	15.31131	5.90414	1.77356	1.72559	4.14E+01	7.77E-01	7.23E-05	1.87E-01	7.06E+00	8.16E-01	3.06E+00	2.86E+00	5.04E+01
2092	495011.06	3859601.99	4.02027	1.75309	2.64059	3.50369	14.70381	5.38017	1.79315	1.75309	4.12E+01	7.89E-01	6.70E-05	1.81E-01	6.78E+00	7.44E-01	3.10E+00	2.90E+00	4.99E+01
2093	495061.06	3859601.99	4.00172	1.75385	2.67268	3.54526	14.30927	5.29818	1.79118	1.75385	4.10E+01	7.89E-01	6.78E-05	1.84E-01	6.59E+00	7.32E-01	3.09E+00	2.91E+00	4.95E+01
2094	495111.06	3859601.99	3.98429	1.76749	2.54575	3.29319	13.71301	5.71079	1.80023	1.76749	4.09E+01	7.95E-01	6.46E-05	1.70E-01	6.32E+00	7.90E-01	3.11E+00	2.93E+00	4.91E+01
2095	495161.06	3859601.99	3.96566	1.76374	2.5489	3.33055	13.23747	5.89658	1.79393	1.76374	4.07E+01	7.94E-01	6.47E-05	1.72E-01	6.10E+00	8.15E-01	3.10E+00	2.92E+00	4.87E+01
2096	495211.06	3859601.99	3.94676	1.76128	2.50629	3.19561	12.90714	5.68794	1.78907	1.76128	4.05E+01	7.93E-01	6.36E-05	1.65E-01	5.95E+00	7.86E-01	3.09E+00	2.92E+00	4.83E+01
2097	495261.06	3859601.99	3.92727	1.75197	2.48779	3.15829	13.24203	5.18175	1.77774	1.75197	4.03E+01	7.88E-01	6.31E-05	1.63E-01	6.10E+00	7.16E-01	3.07E+00	2.90E+00	4.82E+01
2098	495311.06	3859601.99	3.90778	1.73782	2.47858	3.14771	13.56616	4.76264	1.76187	1.73782	4.01E+01	7.82E-01	6.29E-05	1.63E-01	6.25E+00	6.58E-01	3.04E+00	2.88E+00	4.81E+01
2099	495361.06	3859601.99	3.88797	1.72635	2.42235	3.02474	13.8136	3.93093	1.74838	1.72635	3.99E+01	7.77E-01	6.14E-05	1.57E-01	6.37E+00	5.43E-01	3.02E+00	2.86E+00	4.79E+01
2100	495411.06	3859601.99	3.86759	1.70544	2.40653	3.0085	14.0847	3.97517	1.72623	1.70544	3.97E+01	7.68E-01	6.10E-05	1.56E-01	6.49E+00	5.50E-01	2.98E+00	2.83E+00	4.78E+01
2101	495461.06	3859601.99	3.84651	1.69631	2.255	2.8772	14.15925	3.75307	1.71518	1.69631	3.94E+01	7.63E-01	5.72E-05	1.49E-01	6.53E+00	5.19E-01	2.96E+00	2.81E+00	4.75E+01
2102	495511.06	3859601.99	3.82512	1.67933	2.13077	2.77371	14.22371	3.36175	1.69672	1.67933	3.92E+01	7.56E-01	5.41E-05	1.44E-01	6.55E+00	4.65E-01	2.93E+00	2.78E+00	4.73E+01
2103	495561.06	3859601.99	3.80409	1.64435	2.14635	2.77582	14.46426	3.0595	1.66091	1.64435	3.90E+01	7.40E-01	5.44E-05	1.44E-01	6.67E+00	4.23E-01	2.87E+00	2.72E+00	4.71E+01
2104	495611.06	3859601.99	3.78133	1.62581	2.01927	2.54873	14.42403	2.92199	1.64117	1.62581	3.88E+01	7.32E-01	5.12E-05	1.32E-01	6.65E+00	4.04E-01	2.83E+00	2.69E+00	4.68E+01
2105	495661.06	3859601.99	3.76002	1.5871	2.00423	2.51755	14.55995	2.85131	1.60166	1.5871	3.86E+01	7.14E-01	5.08E-05	1.30E-01	6.71E+00	3.94E-01	2.77E+00	2.63E+00	4.66E+01
2106	494311.06	3859651.99	4.1123	1.57011	4.43156	3.81494	16.12917	4.98395	1.74658	1.57011	4.22E+01	7.07E-01	1.12E-04	1.97E-01	7.43E+00	6.89E-01	3.02E+00	2.60E+00	5.16E+01
2107	494361.06	3859651.99	4.13038	1.64494	4.02974	3.80282	16.44914	4.91674	1.79714	1.64494	4.24E+01	7.40E-01	1.02E-04	1.97E-01	7.58E+00	6.80E-01	3.10E+00	2.73E+00	5.19E+01
2108	494411.06	3859651.99	4.12528	1.66539	3.93372	3.79654	16.69723	4.81811	1.80305	1.66539	4.23E+01	7.50E-01	9.98E-05	1.97E-01	7.69E+00	6.66E-01	3.11E+00	2.76E+00	5.20E+01
2109	494461.06	3859651.99	4.10717	1.64202	4.03818	3.793	16.90405	5.11517	1.77156	1.64202	4.21E+01	7.39E-01	1.02E-04	1.96E-01	7.79E+00	7.07E-01	3.06E+00	2.72E+00	5.19E+01
2110	494511.06	3859651.99	4.10308	1.66292	3.91747	3.78536	17.06689	5.46766	1.77986	1.66292	4.21E+01	7.48E-01	9.94E-05	1.96E-01	7.87E+00	7.56E-01	3.07E+00	2.76E+00	5.20E+01
2111	494561.06	3859651.99	4.09338	1.66467	3.87719	3.77861	17.17842	5.84747	1.77136	1.66467	4.20E+01	7.49E-01	9.84E-05	1.96E-01	7.92E+00	8.08E-01	3.06E+00	2.76E+00	5.19E+01
2112	494611.06	3859651.99	4.08392	1.66589	3.82166	3.7711	17.24171	6.26419	1.76321	1.66589	4.19E+01	7.50E-01	9.69E-05	1.95E-01	7.95E+00	8.66E-01	3.04E+00	2.76E+00	5.19E+01
2113	494661.06	3859651.99	4.08782	1.71713	3.42408	3.75927	17.19885	6.76979	1.80036	1.71713	4.19E+01	7.73E-01	8.69E-05	1.95E-01	7.93E+00	9.36E-01	3.11E+00	2.85E+00	5.20E+01
2114	494711.06	3859651.99	4.07651	1.71019	3.38926	3.75124	17.16612	7.3169	1.78627	1.71019	4.18E+01	7.70E-01	8.60E-05	1.94E-01	7.91E+00	1.01E+00	3.08E+00	2.83E+00	5.19E+01
2115	494761.06	3859651.99	4.06442	1.69979	3.43565	3.74262	17.11142	7.97094	1.76938	1.69979	4.17E+01	7.65E-01	8.72E-05	1.94E-01	7.89E+00	1.10E+00	3.05E+00	2.82E+00	5.19E+01
2116	494811.06	3859651.99	4.05745	1.70795	3.27101	3.72936	16.93813	9.55722	1.76926	1.70795	4.16E+01	7.69E-01	8.30E-05	1.93E-01	7.81E+00	1.32E+00	3.05E+00	2.83E+00	5.19E+01
2117	494861.06	3859651.99	4.0443	1.69065	3.23535	3.71727	16.75755	14.99549	1.74659	1.69065	4.15E+01	7.61E-01	8.21E-05	1.92E-01	7.72E+00	2.07E+00	3.02E+00	2.80E+00	5.24E+01
2118	494911.06	3859651.99	4.03322	1.68052	3.13937	3.70101	16.50207	8.10801	1.73068	1.68052	4.14E+01	7.56E-01	7.96E-05	1.92E-01	7.60E+00	1.12E+00	2.99E+00	2.78E+00	5.12E+01
2119	494961.06	3859651.99	4.01997	1.6599	3.08933	3.68711	16.22231	6.04821	1.72634	1.6599	4.12E+01	7.47E-01	7.84E-05	1.91E-01	7.48E+00	8.36E-01	2.98E+00	2.75E+00	5.07E+01
2120	495011.06	3859651.99	4.00681	1.67866	3.01184	3.67381	15.8816	5.53185	1.73936	1.67866	4.11E+01	7.55E-01	7.64E-05	1.90E-01	7.32E+00	7.65E-01	3.00E+00	2.78E+00	5.03E+01

2121	495061.06	3859651.99	3.99135	1.68891	2.99491	3.66281	15.53822	5.43045	1.74409	1.68891	4.09E+01	7.60E-01	7.60E-05	1.90E-01	7.16E+00	7.51E-01	3.01E+00	2.80E+00	5.00E+01
2122	495111.06	3859651.99	3.97818	1.70702	2.89679	3.62964	15.10486	5.52321	1.75297	1.70702	4.08E+01	7.68E-01	7.35E-05	1.88E-01	6.96E+00	7.64E-01	3.03E+00	2.83E+00	4.97E+01
2123	495161.06	3859651.99	3.96249	1.71455	2.85142	3.60419	14.67154	5.29345	1.75586	1.71455	4.06E+01	7.72E-01	7.23E-05	1.87E-01	6.76E+00	7.32E-01	3.03E+00	2.84E+00	4.93E+01
2124	495211.06	3859651.99	3.94588	1.7155	2.83501	3.58657	14.23066	4.82264	1.75327	1.7155	4.05E+01	7.72E-01	7.19E-05	1.86E-01	6.56E+00	6.67E-01	3.03E+00	2.84E+00	4.88E+01
2125	495261.06	3859651.99	3.92999	1.71691	2.78062	3.56223	13.73379	4.49125	1.75092	1.71691	4.03E+01	7.73E-01	7.05E-05	1.84E-01	6.33E+00	6.21E-01	3.02E+00	2.84E+00	4.84E+01
2126	495311.06	3859651.99	3.91285	1.71242	2.7487	3.54271	13.23222	3.81485	1.74342	1.71242	4.01E+01	7.71E-01	6.97E-05	1.83E-01	6.10E+00	5.27E-01	3.01E+00	2.84E+00	4.79E+01
2127	495361.06	3859651.99	3.89524	1.70269	2.7277	3.52265	12.78681	3.69802	1.73124	1.70269	3.99E+01	7.66E-01	6.92E-05	1.82E-01	5.89E+00	5.11E-01	2.99E+00	2.82E+00	4.75E+01
2128	495411.06	3859651.99	3.87797	1.69397	2.6739	3.47992	13.08201	3.64539	1.72002	1.69397	3.98E+01	7.62E-01	6.78E-05	1.80E-01	6.03E+00	5.04E-01	2.97E+00	2.81E+00	4.74E+01
2129	495461.06	3859651.99	3.86171	1.69418	2.52711	3.33284	13.26587	3.34042	1.71705	1.69418	3.96E+01	7.62E-01	6.41E-05	1.73E-01	6.11E+00	4.62E-01	2.96E+00	2.81E+00	4.73E+01
2130	495511.06	3859651.99	3.84284	1.68677	2.41203	2.91036	13.44967	3.19345	1.70747	1.68677	3.94E+01	7.59E-01	6.12E-05	1.51E-01	6.20E+00	4.42E-01	2.95E+00	2.79E+00	4.71E+01
2131	495561.06	3859651.99	3.82352	1.66368	2.38855	2.86416	13.70739	3.11114	1.68305	1.66368	3.92E+01	7.49E-01	6.06E-05	1.48E-01	6.32E+00	4.30E-01	2.91E+00	2.76E+00	4.70E+01
2132	495611.06	3859651.99	3.80361	1.64173	2.32328	2.79662	13.89447	3.01203	1.65971	1.64173	3.90E+01	7.39E-01	5.89E-05	1.45E-01	6.40E+00	4.16E-01	2.87E+00	2.72E+00	4.69E+01
2133	495661.06	3859651.99	3.78353	1.61726	2.24383	2.736	14.03433	2.92046	1.63395	1.61726	3.88E+01	7.28E-01	5.69E-05	1.42E-01	6.47E+00	4.04E-01	2.82E+00	2.68E+00	4.67E+01
2134	494311.06	3859701.99	4.08574	1.56472	4.54494	3.86846	14.9483	4.36288	1.7614	1.56472	4.19E+01	7.04E-01	1.15E-04	2.00E-01	6.89E+00	6.03E-01	3.04E+00	2.59E+00	5.07E+01
2135	494361.06	3859701.99	4.08771	1.59845	4.35125	3.85617	15.18471	4.62549	1.77815	1.59845	4.19E+01	7.19E-01	1.10E-04	2.00E-01	7.00E+00	6.39E-01	3.07E+00	2.65E+00	5.09E+01
2136	494411.06	3859701.99	4.07858	1.60441	4.31742	3.84579	15.54464	4.92496	1.7694	1.60441	4.18E+01	7.22E-01	1.10E-04	1.99E-01	7.16E+00	6.81E-01	3.05E+00	2.66E+00	5.10E+01
2137	494461.06	3859701.99	4.05628	1.57411	4.51851	3.83805	15.83991	5.22497	1.73087	1.57411	4.16E+01	7.08E-01	1.15E-04	1.99E-01	7.30E+00	7.22E-01	2.99E+00	2.61E+00	5.09E+01
2138	494511.06	3859701.99	4.05267	1.58635	4.37898	3.82529	16.12113	5.54606	1.72974	1.58635	4.16E+01	7.14E-01	1.11E-04	1.98E-01	7.43E+00	7.67E-01	2.99E+00	2.63E+00	5.10E+01
2139	494561.06	3859701.99	4.0442	1.58709	4.31563	3.81322	16.34979	5.87784	1.71893	1.58709	4.15E+01	7.14E-01	1.09E-04	1.97E-01	7.53E+00	8.13E-01	2.97E+00	2.63E+00	5.11E+01
2140	494611.06	3859701.99	4.03649	1.58863	4.23219	3.80049	16.53948	6.22166	1.70936	1.58863	4.14E+01	7.15E-01	1.07E-04	1.97E-01	7.62E+00	8.60E-01	2.95E+00	2.63E+00	5.11E+01
2141	494661.06	3859701.99	4.05072	1.67006	3.69771	3.78202	16.72792	6.65794	1.77261	1.67006	4.15E+01	7.52E-01	9.38E-05	1.96E-01	7.71E+00	9.20E-01	3.06E+00	2.77E+00	5.14E+01
2142	494711.06	3859701.99	4.03668	1.6486	3.73741	3.76991	16.83321	7.04873	1.74475	1.6486	4.14E+01	7.42E-01	9.48E-05	1.95E-01	7.76E+00	9.75E-01	3.01E+00	2.73E+00	5.13E+01
2143	494761.06	3859701.99	4.03245	1.66555	3.54361	3.75482	16.89036	7.63849	1.75164	1.66555	4.13E+01	7.50E-01	8.99E-05	1.94E-01	7.78E+00	1.06E+00	3.02E+00	2.76E+00	5.14E+01
2144	494811.06	3859701.99	4.02752	1.67949	3.4104	3.73919	16.89069	10.0028	1.75598	1.67949	4.13E+01	7.56E-01	8.65E-05	1.94E-01	7.78E+00	1.38E+00	3.03E+00	2.78E+00	5.17E+01
2145	494861.06	3859701.99	4.01176	1.64794	3.44031	3.72654	16.86411	14.54969	1.71984	1.64794	4.11E+01	7.42E-01	8.73E-05	1.93E-01	7.77E+00	2.01E+00	2.97E+00	2.73E+00	5.21E+01
2146	494911.06	3859701.99	4.00405	1.64685	3.35294	3.71093	16.77508	8.16801	1.71151	1.64685	4.11E+01	7.41E-01	8.51E-05	1.92E-01	7.73E+00	1.13E+00	2.95E+00	2.73E+00	5.11E+01
2147	494961.06	3859701.99	3.99518	1.64003	3.27049	3.69442	16.63557	6.1663	1.69821	1.64003	4.10E+01	7.38E-01	8.30E-05	1.91E-01	7.67E+00	8.53E-01	2.93E+00	2.72E+00	5.06E+01
2148	495011.06	3859701.99	3.98211	1.61577	3.24419	3.67961	16.46428	5.6602	1.68465	1.61577	4.08E+01	7.27E-01	8.23E-05	1.90E-01	7.59E+00	7.83E-01	2.91E+00	2.68E+00	5.04E+01
2149	495061.06	3859701.99	3.97068	1.61753	3.18364	3.66209	16.23898	5.23171	1.69383	1.61753	4.07E+01	7.28E-01	8.08E-05	1.90E-01	7.48E+00	7.23E-01	2.92E+00	2.68E+00	5.01E+01
2150	495111.06	3859701.99	3.9592	1.63403	3.12107	3.64558	15.96931	4.97579	1.70315	1.63403	4.06E+01	7.35E-01	7.92E-05	1.89E-01	7.36E+00	6.88E-01	2.94E+00	2.71E+00	4.98E+01
2151	495161.06	3859701.99	3.9477	1.64932	3.04675	3.61816	15.65141	4.55155	1.71141	1.64932	4.05E+01	7.42E-01	7.73E-05	1.87E-01	7.21E+00	6.29E-01	2.95E+00	2.73E+00	4.95E+01
2152	495211.06	3859701.99	3.93581	1.66446	2.96649	3.58992	15.28591	4.25746	1.71988	1.66446	4.04E+01	7.49E-01	7.53E-05	1.86E-01	7.04E+00	5.89E-01	2.97E+00	2.76E+00	4.91E+01
2153	495261.06	3859701.99	3.91902	1.65809	2.97643	3.58124	14.94199	4.10355	1.71011	1.65809	4.02E+01	7.46E-01	7.55E-05	1.85E-01	6.89E+00	5.67E-01	2.95E+00	2.75E+00	4.88E+01
2154	495311.06	3859701.99	3.90589	1.66547	2.90626	3.55324	14.51424	3.90028	1.71186	1.66547	4.01E+01	7.50E-01	7.37E-05	1.84E-01	6.69E+00	5.39E-01	2.96E+00	2.76E+00	4.84E+01
2155	495361.06	3859701.99	3.8918	1.67095	2.84484	3.53234	14.06069	3.727	1.71135	1.67095	3.99E+01	7.52E-01	7.22E-05	1.83E-01	6.48E+00	5.15E-01	2.95E+00	2.77E+00	4.80E+01
2156	495411.06	3859701.99	3.87888	1.68049	2.74849	3.48341	13.54407	3.5412	1.7131	1.68049	3.98E+01	7.56E-01	6.97E-05	1.80E-01	6.24E+00	4.90E-01	2.96E+00	2.78E+00	4.76E+01
2157	495461.06	3859701.99	3.86386	1.67886	2.68127	3.43441	13.02567	3.40307	1.70813	1.67886	3.96E+01	7.56E-01	6.80E-05	1.78E-01	6.00E+00	4.70E-01	2.95E+00	2.78E+00	4.72E+01
2158	495511.06	3859701.99	3.85113	1.68867	2.53239	3.32441	12.37827	3.23401	1.71357	1.68867	3.95E+01	7.60E-01	6.42E-05	1.72E-01	5.70E+00	4.47E-01	2.96E+00	2.80E+00	4.67E+01
2159	495561.06	3859701.99	3.8323	1.66023	2.5616	3.34251	12.70199	3.17956	1.68421	1.66023	3.93E+01	7.47E-01	6.50E-05	1.73E-01	5.85E+00	4.40E-01	2.91E+00	2.75E+00	4.67E+01
2160	495611.06	3859701.99	3.81547	1.6455	2.50488	3.29707	12.97143	3.08428	1.6674	1.6455	3.91E+01	7.41E-01	6.35E-05	1.71E-01	5.98E+00	4.26E-01	2.88E+00	2.73E+00	4.66E+01
2161	495661.06	3859701.99	3.79861	1.62863	2.43918	3.17914	13.20553	2.99806	1.64862	1.62863	3.90E+01	7.33E-01	6.19E-05	1.65E-01	6.09E+00	4.14E-01	2.85E+00	2.70E+00	4.65E+01
2162	494311.06	3859751.99	4.01857	1.49818	5.13905	3.88013	16.00492	4.47768	1.73484	1.49818	4.12E+01	6.74E-01	1.30E-04	2.01E-01	7.38E+00	6.19E-01	3.00E+00	2.48E+00	5.06E+01
2163	494361.06	3859751.99	4.01806	1.51415	5.01622	3.86165	15.49955	4.74679	1.73166	1.51415	4.12E+01	6.81E-01	1.27E-04	2.00E-01	7.14E+00	6.56E-01	2.99E+00	2.51E+00	5.04E+01
2164	494411.06	3859751.99	4.02061	1.53512	4.83197	3.84055	14.96134	5.01763	1.73311	1.53512	4.12E+01	6.91E-01	1.23E-04	1.99E-01	6.89E+00	6.94E-01	2.99E+00	2.54E+00	5.02E+01
2165	494461.06	3859751.99	4.0024	1.52512	4.97108	3.82769	14.53466	5.27769	1.71342	1.52512	4.10E+01	6.86E-01	1.26E-04	1.98E-01	6.70E+00	7.30E-01	2.96E+00	2.53E+00	4.98E+01
2166	494511.06	3859751.99	3.99037	1.52132	5.00324	3.8116	14.86726	5.53516	1.6981	1.52132	4.09E+01	6.85E-01	1.27E-04	1.97E-01	6.85E+00	7.65E-01	2.93E+00	2.52E+00	4.98E+01
2167	494561.06	3859751.99	3.98791	1.5297	4.8884	3.79193	15.19902	5.78809	1.6914	1.5297	4.09E+01	6.88E-01	1.24E-04	1.96E-01	7.00E+00	8.00E-01	2.92E+00	2.53E+00	5.00E+01
2168	494611.06	3859751.99	3.98967	1.54563	4.70082	3.76972	15.51932	6.03615	1.69097	1.54563	4.09E+01	6.96E-01	1.19E-04	1.95E-01	7.15E+00	8.35E-01	2.92E+00	2.56E+00	5.01E+01
2169	494661.06	3859751.99	3.99836	1.58483	4.30201	3.74622	15.82112	6.3236	1.71391	1.58483	4.10E+01	7.13E-01	1.09E-04	1.94E-01	7.29E+00	8.74E-01	2.96E+00	2.63E+00	5.04E+01
2170	494711.06	3859751.99	3.98748	1.57319	4.37813	3.7281	16.03863	6.57566	1.69208	1.57319	4.09E+01	7.08E-01	1.11E-04	1.93E-01	7.39E+00	9.09E-01	2.92E+00	2.61E+00	5.04E+01
2171	494761.06	3859751.99	3.97927	1.56906	4.32471	3.7091	16.21393	7.75403	1.67927	1.56906	4.08E+01	7.06E-01	1.10E-04	1.92E-01	7.47E+00	1.07E+00	2.90E+00	2.60E+00	5.05E+01
2172	494811.06	3859751.99	3.97658	1.58444	4.16232	3.68869	16.37282	9.94333	1.68341	1.58444	4.08E+01	7.13E-01	1.06E-04	1.91E-01	7.55E+00	1.37E+00	2.91E+00	2.63E+00	5.09E+01
2173	494861.06	3859751.99	3.96924	1.58115	4.07879	3.66905	16.47055	15.57062	1.67174	1.58115	4.07E+01	7.12E-01	1.03E-04	1.90E-01	7.59E+00	2.15E+00	2.89E+00	2.62E+00	5.16E+01
2174	494911.06	3859751.99	3.962	1.57864	3.98731	3.64918	16.52581	8.40944	1.66092	1.57864	4.06E+01	7.10E-01	1.01E-04	1.89E-01	7.62E+00	1.16E+00	2.87E+00	2.62E+00	5.06E+01
2175	494961.06	3859751.99	3.95403	1.57106	3.89697	3.62921	16.53588	6.28983	1.64604	1.57106	4.05E+01	7.07E-01	9.89E-05	1.88E-01	7.62E+00	8.70E-01	2.84E+00	2.60E+00	5.02E+01
2176	495011.06	3859751.99	3.94649	1.56798	3.78635	3.6089	16.50433	5.78494	1.63636	1.56798	4.05E+01	7.06E-01	9.61E-05	1.87E-01	7.61E+00	8.00E-01	2.83E+00	2.60E+00	5.00E+01
2177	495061.06	3859751.99	3.93555	1.54773	3.74434	3.58931	16.41874	5.36694	1.63036	1.54773	4.04E+01	6.97E-01	9.50E-05	1.86E-01	7.57E+00	7.42E-01	2.81E+00	2.56E+00	4.98E+01
2178	495111.06	3859751.99	3.92718	1.55123	3.63808	3.569	16.29797	5.01162	1.64102	1.55123	4.03E+01	6.98E-01	9.23E-05	1.85E-01	7.51E+00	6.93E-01	2.83E+00	2.57E+00	4.96E+01
2179	495161.06	3859751.99	3.91916	1.57301	3.5095	3.54802	16.13377	4.6979	1.65412	1.57301	4.02E+01	7.08E-01	8.90E-05	1.84E-01	7.44E+00	6.49E-01	2.86E+00	2.61E+00	4.94E+01

2180	495211.06	3859751.99	3.9106	1.59363	3.37206	3.52678	15.92381	4.40503	1.66671	1.59363	4.01E+01	7.17E-01	8.55E-05	1.83E-01	7.34E+00	6.09E-01	2.88E+00	2.64E+00	4.92E+01
2181	495261.06	3859751.99	3.89854	1.60055	3.31875	3.5067	15.67231	4.20354	1.66715	1.60055	4.00E+01	7.20E-01	8.42E-05	1.82E-01	7.22E+00	5.81E-01	2.88E+00	2.65E+00	4.89E+01
2182	495311.06	3859751.99	3.88817	1.61255	3.20922	3.48533	15.3789	3.99779	1.6726	1.61255	3.99E+01	7.26E-01	8.14E-05	1.80E-01	7.09E+00	5.53E-01	2.89E+00	2.67E+00	4.86E+01
2183	495361.06	3859751.99	3.8765	1.61897	3.11874	3.46149	15.04848	3.82451	1.6733	1.61897	3.97E+01	7.29E-01	7.91E-05	1.79E-01	6.93E+00	5.29E-01	2.89E+00	2.68E+00	4.83E+01
2184	495411.06	3859751.99	3.86437	1.62298	3.03312	3.43818	14.68353	3.67408	1.67241	1.62298	3.96E+01	7.30E-01	7.69E-05	1.78E-01	6.77E+00	5.08E-01	2.89E+00	2.69E+00	4.80E+01
2185	495461.06	3859751.99	3.85419	1.63373	2.90178	3.39489	14.26166	3.50257	1.67766	1.63373	3.95E+01	7.35E-01	7.36E-05	1.76E-01	6.57E+00	4.84E-01	2.90E+00	2.71E+00	4.77E+01
2186	495511.06	3859751.99	3.84323	1.64427	2.80828	3.35481	13.79442	3.35391	1.68174	1.64427	3.94E+01	7.40E-01	7.12E-05	1.74E-01	6.36E+00	4.64E-01	2.90E+00	2.72E+00	4.73E+01
2187	495561.06	3859751.99	3.82957	1.64207	2.7587	3.30827	13.32816	3.25128	1.67487	1.64207	3.93E+01	7.39E-01	7.00E-05	1.71E-01	6.14E+00	4.49E-01	2.89E+00	2.72E+00	4.69E+01
2188	495611.06	3859751.99	3.81506	1.63489	2.71033	3.26819	12.83952	3.15828	1.66317	1.63489	3.91E+01	7.36E-01	6.88E-05	1.69E-01	5.92E+00	4.37E-01	2.87E+00	2.71E+00	4.65E+01
2189	495661.06	3859751.99	3.79934	1.61846	2.68511	3.247	12.3549	3.08253	1.64424	1.61846	3.90E+01	7.28E-01	6.81E-05	1.68E-01	5.69E+00	4.26E-01	2.84E+00	2.68E+00	4.61E+01
2190	494311.06	3859801.99	3.94162	1.42473	5.38441	3.81191	16.51237	4.5815	1.70517	1.42473	4.04E+01	6.41E-01	1.37E-04	1.97E-01	7.61E+00	6.33E-01	2.94E+00	2.36E+00	5.01E+01
2191	494361.06	3859801.99	3.95064	1.45986	5.2014	3.78602	16.24961	4.81273	1.71581	1.45986	4.05E+01	6.57E-01	1.32E-04	1.96E-01	7.49E+00	6.65E-01	2.96E+00	2.42E+00	5.01E+01
2192	494411.06	3859801.99	3.96025	1.48523	4.98975	3.75758	15.91542	5.03844	1.719	1.48523	4.06E+01	6.68E-01	1.27E-04	1.95E-01	7.33E+00	6.97E-01	2.97E+00	2.46E+00	5.00E+01
2193	494461.06	3859801.99	3.94412	1.48176	5.11084	3.73837	15.3456	5.23195	1.70247	1.48176	4.04E+01	6.67E-01	1.30E-04	1.94E-01	7.07E+00	7.23E-01	2.94E+00	2.46E+00	4.96E+01
2194	494511.06	3859801.99	3.92537	1.46103	5.24533	3.71707	14.73076	5.39624	1.67207	1.46103	4.03E+01	6.58E-01	1.33E-04	1.92E-01	6.79E+00	7.46E-01	2.89E+00	2.42E+00	4.91E+01
2195	494561.06	3859801.99	3.92425	1.47367	5.16749	3.69273	14.22554	5.54061	1.66925	1.47367	4.02E+01	6.63E-01	1.31E-04	1.91E-01	6.56E+00	7.66E-01	2.88E+00	2.44E+00	4.89E+01
2196	494611.06	3859801.99	3.93825	1.50918	4.8841	3.66306	14.27329	5.68817	1.68263	1.50918	4.04E+01	6.79E-01	1.24E-04	1.90E-01	6.58E+00	7.86E-01	2.91E+00	2.50E+00	4.90E+01
2197	494661.06	3859801.99	3.9382	1.51971	4.76796	3.63745	14.62713	5.83837	1.67785	1.51971	4.04E+01	6.84E-01	1.21E-04	1.88E-01	6.74E+00	8.07E-01	2.90E+00	2.52E+00	4.92E+01
2198	494711.06	3859801.99	3.94137	1.5358	4.59121	3.60967	14.96843	6.82433	1.6783	1.5358	4.04E+01	6.91E-01	1.16E-04	1.87E-01	6.90E+00	9.43E-01	2.90E+00	2.54E+00	4.95E+01
2199	494761.06	3859801.99	3.92416	1.5137	4.71619	3.59053	15.18922	8.0365	1.64924	1.5137	4.02E+01	6.81E-01	1.20E-04	1.86E-01	7.00E+00	1.11E+00	2.85E+00	2.51E+00	4.96E+01
2200	494811.06	3859801.99	3.92261	1.51907	4.6	3.56463	15.45104	10.19998	1.64262	1.51907	4.02E+01	6.84E-01	1.17E-04	1.85E-01	7.12E+00	1.41E+00	2.84E+00	2.52E+00	4.99E+01
2201	494861.06	3859801.99	3.91611	1.51317	4.55298	3.54085	15.64877	15.39937	1.62629	1.51317	4.02E+01	6.81E-01	1.15E-04	1.83E-01	7.21E+00	2.13E+00	2.81E+00	2.51E+00	5.07E+01
2202	494911.06	3859801.99	3.91535	1.52188	4.40727	3.51466	15.85009	8.53352	1.62349	1.52188	4.01E+01	6.85E-01	1.12E-04	1.82E-01	7.30E+00	1.18E+00	2.80E+00	2.52E+00	4.98E+01
2203	494961.06	3859801.99	3.90957	1.51717	4.33124	3.49089	15.98446	6.44644	1.61056	1.51717	4.01E+01	6.83E-01	1.10E-04	1.81E-01	7.37E+00	8.91E-01	2.78E+00	2.51E+00	4.95E+01
2204	495011.06	3859801.99	3.90423	1.51299	4.23991	3.4671	16.08391	5.92327	1.59789	1.51299	4.00E+01	6.81E-01	1.08E-04	1.79E-01	7.41E+00	8.19E-01	2.76E+00	2.51E+00	4.94E+01
2205	495061.06	3859801.99	3.89629	1.50154	4.18737	3.44405	16.12643	5.49751	1.58042	1.50154	4.00E+01	6.76E-01	1.06E-04	1.78E-01	7.43E+00	7.60E-01	2.73E+00	2.49E+00	4.92E+01
2206	495111.06	3859801.99	3.89223	1.50392	4.05837	3.42018	16.1563	5.11772	1.59216	1.50392	3.99E+01	6.77E-01	1.03E-04	1.77E-01	7.45E+00	7.08E-01	2.75E+00	2.49E+00	4.92E+01
2207	495161.06	3859801.99	3.88657	1.50289	3.94132	3.39657	16.13476	4.77982	1.60473	1.50289	3.99E+01	6.76E-01	1.00E-04	1.76E-01	7.44E+00	6.61E-01	2.77E+00	2.49E+00	4.91E+01
2208	495211.06	3859801.99	3.87724	1.51584	3.88678	3.37395	16.05232	4.53628	1.60804	1.51584	3.98E+01	6.82E-01	9.86E-05	1.75E-01	7.40E+00	6.27E-01	2.78E+00	2.51E+00	4.89E+01
2209	495261.06	3859801.99	3.87105	1.53778	3.75989	3.35037	15.94587	4.2739	1.62106	1.53778	3.97E+01	6.92E-01	9.54E-05	1.73E-01	7.35E+00	5.91E-01	2.80E+00	2.55E+00	4.87E+01
2210	495311.06	3859801.99	3.86056	1.54485	3.71717	3.36514	15.77876	4.09614	1.62135	1.54485	3.96E+01	6.95E-01	9.43E-05	1.74E-01	7.27E+00	5.66E-01	2.80E+00	2.56E+00	4.85E+01
2211	495361.06	3859801.99	3.85218	1.55975	3.61214	3.37194	15.58315	3.91506	1.62933	1.55975	3.95E+01	7.02E-01	9.16E-05	1.75E-01	7.18E+00	5.41E-01	2.81E+00	2.58E+00	4.83E+01
2212	495411.06	3859801.99	3.84473	1.5777	3.47167	3.35551	15.34818	3.73704	1.6402	1.5777	3.94E+01	7.10E-01	8.81E-05	1.74E-01	7.07E+00	5.17E-01	2.83E+00	2.61E+00	4.81E+01
2213	495461.06	3859801.99	3.83485	1.58564	3.3798	3.3584	15.06832	3.60378	1.64165	1.58564	3.93E+01	7.14E-01	8.57E-05	1.74E-01	6.94E+00	4.98E-01	2.83E+00	2.63E+00	4.79E+01
2214	495511.06	3859801.99	3.82746	1.60177	3.19813	3.30784	14.74308	3.44502	1.65174	1.60177	3.92E+01	7.21E-01	8.11E-05	1.71E-01	6.79E+00	4.76E-01	2.85E+00	2.65E+00	4.76E+01
2215	495561.06	3859801.99	3.81558	1.5997	3.13673	3.31545	14.39086	3.35409	1.64501	1.5997	3.91E+01	7.20E-01	7.96E-05	1.72E-01	6.63E+00	4.64E-01	2.84E+00	2.65E+00	4.73E+01
2216	495611.06	3859801.99	3.80057	1.58448	3.1487	3.35733	14.0224	3.34812	1.62696	1.58448	3.90E+01	7.13E-01	7.99E-05	1.74E-01	6.46E+00	4.63E-01	2.81E+00	2.63E+00	4.70E+01
2217	495661.06	3859801.99	3.7905	1.5889	2.99755	3.30504	13.59531	3.25883	1.62718	1.5889	3.89E+01	7.15E-01	7.60E-05	1.71E-01	6.27E+00	4.51E-01	2.81E+00	2.63E+00	4.66E+01
2218	494311.06	3859851.99	3.8703	1.37661	5.1566	3.64253	16.59387	4.6182	1.68662	1.37661	3.97E+01	6.20E-01	1.31E-04	1.89E-01	7.65E+00	6.38E-01	2.91E+00	2.28E+00	4.94E+01
2219	494361.06	3859851.99	3.87609	1.38971	5.07544	3.61296	16.46976	4.79239	1.68421	1.38971	3.97E+01	6.25E-01	1.29E-04	1.87E-01	7.59E+00	6.63E-01	2.91E+00	2.30E+00	4.94E+01
2220	494411.06	3859851.99	3.88444	1.4126	4.95749	3.59325	16.31882	4.94396	1.68729	1.4126	3.98E+01	6.36E-01	1.26E-04	1.86E-01	7.52E+00	6.84E-01	2.91E+00	2.34E+00	4.94E+01
2221	494461.06	3859851.99	3.88594	1.43195	4.90071	3.59526	16.0205	5.06121	1.68749	1.43195	3.98E+01	6.44E-01	1.24E-04	1.86E-01	7.38E+00	7.00E-01	2.91E+00	2.37E+00	4.93E+01
2222	494511.06	3859851.99	3.87442	1.4264	4.97482	3.62473	15.5381	5.12662	1.66597	1.4264	3.97E+01	6.42E-01	1.26E-04	1.88E-01	7.16E+00	7.09E-01	2.88E+00	2.36E+00	4.89E+01
2223	494561.06	3859851.99	3.85957	1.41697	5.07367	3.64817	14.98512	5.14513	1.64221	1.41697	3.96E+01	6.38E-01	1.29E-04	1.89E-01	6.91E+00	7.11E-01	2.84E+00	2.35E+00	4.85E+01
2224	494611.06	3859851.99	3.87879	1.46243	4.82417	3.59137	14.7469	5.3607	1.66825	1.46243	3.98E+01	6.58E-01	1.22E-04	1.86E-01	6.80E+00	7.41E-01	2.88E+00	2.42E+00	4.86E+01
2225	494661.06	3859851.99	3.8698	1.45536	4.86064	3.59318	14.20747	6.09288	1.64813	1.45536	3.97E+01	6.55E-01	1.23E-04	1.86E-01	6.55E+00	8.42E-01	2.85E+00	2.41E+00	4.83E+01
2226	494711.06	3859851.99	3.87861	1.48459	4.69108	3.54144	13.75729	7.10619	1.65773	1.48459	3.98E+01	6.68E-01	1.19E-04	1.83E-01	6.34E+00	9.82E-01	2.86E+00	2.46E+00	4.83E+01
2227	494761.06	3859851.99	3.86398	1.46562	4.78932	3.54365	13.95074	8.3254	1.63207	1.46562	3.96E+01	6.60E-01	1.21E-04	1.83E-01	6.43E+00	1.15E+00	2.82E+00	2.43E+00	4.84E+01
2228	494811.06	3859851.99	3.86342	1.47401	4.71732	3.50375	14.27945	10.48065	1.62483	1.47401	3.96E+01	6.63E-01	1.20E-04	1.81E-01	6.58E+00	1.45E+00	2.81E+00	2.44E+00	4.89E+01
2229	494861.06	3859851.99	3.85649	1.46684	4.7142	3.47125	14.54136	15.28516	1.60669	1.46684	3.95E+01	6.60E-01	1.20E-04	1.80E-01	6.70E+00	2.11E+00	2.77E+00	2.43E+00	4.95E+01
2230	494911.06	3859851.99	3.85792	1.47301	4.60682	3.41482	14.83406	8.91819	1.60066	1.47301	3.96E+01	6.63E-01	1.17E-04	1.77E-01	6.84E+00	1.23E+00	2.76E+00	2.44E+00	4.88E+01
2231	494961.06	3859851.99	3.85447	1.46966	4.54868	3.3629	15.06467	6.6318	1.58689	1.46966	3.95E+01	6.61E-01	1.15E-04	1.74E-01	6.94E+00	9.17E-01	2.74E+00	2.44E+00	4.85E+01
2232	495011.06	3859851.99	3.85112	1.46559	4.48425	3.30608	15.26587	6.10125	1.57251	1.46559	3.95E+01	6.60E-01	1.14E-04	1.71E-01	7.04E+00	8.44E-01	2.71E+00	2.43E+00	4.85E+01
2233	495061.06	3859851.99	3.84505	1.45449	4.45007	3.2776	15.41008	5.66933	1.55282	1.45449	3.94E+01	6.55E-01	1.13E-04	1.70E-01	7.10E+00	7.84E-01	2.68E+00	2.41E+00	4.84E+01
2234	495111.06	3859851.99	3.84479	1.45586	4.32695	3.28513	15.57656	5.25813	1.549	1.45586	3.94E+01	6.55E-01	1.10E-04	1.70E-01	7.18E+00	7.27E-01	2.67E+00	2.41E+00	4.84E+01
2235	495161.06	3859851.99	3.84094	1.4493	4.24368	3.30143	15.6781	4.92721	1.55344	1.4493	3.94E+01	6.52E-01	1.08E-04	1.71E-01	7.23E+00	6.81E-01	2.68E+00	2.40E+00	4.84E+01
2236	495211.06	3859851.99	3.83576	1.44237	4.17231	3.31771	15.73304	4.65097	1.5583	1.44237	3.93E+01	6.49E-01	1.06E-04	1.72E-01	7.25E+00	6.43E-01	2.69E+00	2.39E+00	4.83E+01
2237	495261.06	3859851.99	3.83107	1.45919	4.08518	3.3245	15.75639	4.4073	1.56435	1.45919	3.93E+01	6.57E-01	1.04E-04	1.72E-01	7.26E+00	6.09E-01	2.70E+00	2.42E+00	4.83E+01
2238	495311.06	3859851.99	3.82347	1.4691	4.03818	3.33926	15.71856	4.21981	1.56545	1.4691	3.92E+01	6.61E-01	1.02E-04	1.73E-01	7.24E+00	5.83E-01	2.70E+00	2.43E+00	4.81E+01

2239	495361.06	3859851.99	3.81655	1.48255	3.96865	3.34124	15.65185	4.05264	1.57202	1.48255	3.91E+01	6.67E-01	1.01E-04	1.73E-01	7.21E+00	5.60E-01	2.71E+00	2.46E+00	4.80E+01
2240	495411.06	3859851.99	3.81174	1.50255	3.85142	3.32326	15.56416	3.87046	1.58166	1.50255	3.91E+01	6.76E-01	9.77E-05	1.72E-01	7.17E+00	5.35E-01	2.73E+00	2.49E+00	4.79E+01
2241	495461.06	3859851.99	3.8061	1.5191	3.73811	3.32623	15.42932	3.7182	1.59043	1.5191	3.90E+01	6.84E-01	9.48E-05	1.72E-01	7.11E+00	5.14E-01	2.75E+00	2.52E+00	4.77E+01
2242	495511.06	3859851.99	3.80084	1.54009	3.59579	3.31065	15.25477	3.58414	1.6033	1.54009	3.90E+01	6.93E-01	9.12E-05	1.71E-01	7.03E+00	4.96E-01	2.77E+00	2.55E+00	4.76E+01
2243	495561.06	3859851.99	3.78985	1.53883	3.56761	3.3475	15.01731	3.49394	1.59725	1.53883	3.89E+01	6.93E-01	9.05E-05	1.73E-01	6.92E+00	4.83E-01	2.76E+00	2.55E+00	4.73E+01
2244	495611.06	3859851.99	3.77923	1.53806	3.52479	3.37267	14.74851	3.47928	1.59164	1.53806	3.88E+01	6.92E-01	8.94E-05	1.75E-01	6.80E+00	4.81E-01	2.75E+00	2.55E+00	4.71E+01
2245	495661.06	3859851.99	3.77181	1.54981	3.38838	3.34627	14.45423	3.43119	1.59824	1.54981	3.87E+01	6.97E-01	8.60E-05	1.73E-01	6.66E+00	4.74E-01	2.76E+00	2.57E+00	4.69E+01
2246	494311.06	3859901.99	3.7994	1.43625	4.63573	3.51165	16.29443	4.56361	1.68034	1.43625	3.90E+01	6.46E-01	1.18E-04	1.82E-01	7.51E+00	6.31E-01	2.90E+00	2.38E+00	4.84E+01
2247	494361.06	3859901.99	3.81761	1.35529	4.50747	3.47307	16.49836	4.67061	1.67992	1.35529	3.91E+01	6.10E-01	1.14E-04	1.80E-01	7.60E+00	6.46E-01	2.90E+00	2.25E+00	4.88E+01
2248	494411.06	3859901.99	3.81103	1.36366	4.5641	3.51625	16.26419	4.72646	1.66955	1.36366	3.91E+01	6.14E-01	1.16E-04	1.82E-01	7.50E+00	6.53E-01	2.88E+00	2.26E+00	4.86E+01
2249	494461.06	3859901.99	3.81288	1.37313	4.54867	3.53573	16.11836	4.74621	1.66321	1.37313	3.91E+01	6.18E-01	1.15E-04	1.83E-01	7.43E+00	6.56E-01	2.87E+00	2.28E+00	4.86E+01
2250	494511.06	3859901.99	3.8079	1.37996	4.58531	3.56273	15.81769	4.7191	1.65211	1.37996	3.90E+01	6.21E-01	1.16E-04	1.84E-01	7.29E+00	6.52E-01	2.85E+00	2.29E+00	4.84E+01
2251	494561.06	3859901.99	3.78723	1.39618	4.73512	3.60282	15.24986	4.97516	1.63008	1.39618	3.88E+01	6.28E-01	1.20E-04	1.87E-01	7.03E+00	6.88E-01	2.81E+00	2.31E+00	4.79E+01
2252	494611.06	3859901.99	3.81143	1.4026	4.5347	3.57339	15.29519	5.61073	1.63923	1.4026	3.91E+01	6.31E-01	1.15E-04	1.85E-01	7.05E+00	7.76E-01	2.83E+00	2.32E+00	4.82E+01
2253	494661.06	3859901.99	3.79508	1.39178	4.65434	3.59754	14.73394	6.3287	1.61452	1.39178	3.89E+01	6.26E-01	1.18E-04	1.86E-01	6.79E+00	8.75E-01	2.79E+00	2.31E+00	4.79E+01
2254	494711.06	3859901.99	3.81632	1.42662	4.44699	3.5567	14.60463	7.37287	1.63151	1.42662	3.91E+01	6.42E-01	1.13E-04	1.84E-01	6.73E+00	1.02E+00	2.82E+00	2.36E+00	4.82E+01
2255	494761.06	3859901.99	3.80606	1.41643	4.51598	3.56248	14.07973	8.59216	1.60792	1.41643	3.90E+01	6.37E-01	1.15E-04	1.84E-01	6.49E+00	1.19E+00	2.78E+00	2.35E+00	4.80E+01
2256	494811.06	3859901.99	3.79512	1.40483	4.58283	3.55722	13.52875	10.47979	1.58387	1.40483	3.89E+01	6.32E-01	1.16E-04	1.84E-01	6.23E+00	1.45E+00	2.73E+00	2.33E+00	4.78E+01
2257	494861.06	3859901.99	3.7904	1.40069	4.58971	3.53625	13.2483	14.85074	1.56736	1.40069	3.89E+01	6.30E-01	1.16E-04	1.83E-01	6.11E+00	2.05E+00	2.71E+00	2.32E+00	4.82E+01
2258	494911.06	3859901.99	3.79456	1.41103	4.51373	3.50084	13.60706	8.57794	1.56407	1.41103	3.89E+01	6.35E-01	1.15E-04	1.81E-01	6.27E+00	1.19E+00	2.70E+00	2.34E+00	4.75E+01
2259	494961.06	3859901.99	3.79066	1.40565	4.5046	3.46728	13.88667	6.80668	1.54846	1.40565	3.89E+01	6.33E-01	1.14E-04	1.79E-01	6.40E+00	9.41E-01	2.67E+00	2.33E+00	4.74E+01
2260	495011.06	3859901.99	3.79194	1.41464	4.44055	3.42129	14.1844	6.26486	1.54653	1.41464	3.89E+01	6.37E-01	1.13E-04	1.77E-01	6.54E+00	8.66E-01	2.67E+00	2.34E+00	4.74E+01
2261	495061.06	3859901.99	3.79053	1.4164	4.39576	3.37229	14.43875	5.81601	1.53802	1.4164	3.89E+01	6.37E-01	1.12E-04	1.75E-01	6.65E+00	8.04E-01	2.66E+00	2.35E+00	4.74E+01
2262	495111.06	3859901.99	3.79302	1.42675	4.30143	3.31273	14.70327	5.39911	1.5356	1.42675	3.89E+01	6.42E-01	1.09E-04	1.71E-01	6.78E+00	7.46E-01	2.65E+00	2.36E+00	4.75E+01
2263	495161.06	3859901.99	3.79343	1.4266	4.21806	3.25067	14.92508	5.06466	1.53064	1.4266	3.89E+01	6.42E-01	1.07E-04	1.68E-01	6.88E+00	7.00E-01	2.64E+00	2.36E+00	4.76E+01
2264	495211.06	3859901.99	3.78664	1.41061	4.21502	3.2242	15.0458	4.82598	1.53058	1.41061	3.88E+01	6.35E-01	1.07E-04	1.67E-01	6.93E+00	6.67E-01	2.64E+00	2.34E+00	4.75E+01
2265	495261.06	3859901.99	3.7888	1.41202	4.09284	3.22588	15.22771	4.57641	1.53608	1.41202	3.89E+01	6.35E-01	1.04E-04	1.67E-01	7.02E+00	6.33E-01	2.65E+00	2.34E+00	4.76E+01
2266	495311.06	3859901.99	3.78111	1.41456	4.08831	3.2628	15.28014	4.39983	1.53464	1.41456	3.88E+01	6.37E-01	1.04E-04	1.69E-01	7.04E+00	6.08E-01	2.65E+00	2.34E+00	4.75E+01
2267	495361.06	3859901.99	3.77779	1.42828	4.01857	3.27504	15.34477	4.21384	1.53699	1.42828	3.87E+01	6.43E-01	1.02E-04	1.70E-01	7.07E+00	5.83E-01	2.65E+00	2.37E+00	4.75E+01
2268	495411.06	3859901.99	3.77599	1.44623	3.91724	3.27294	15.39245	4.0333	1.54384	1.44623	3.87E+01	6.51E-01	9.94E-05	1.69E-01	7.09E+00	5.58E-01	2.67E+00	2.40E+00	4.75E+01
2269	495461.06	3859901.99	3.77197	1.45993	3.8384	3.27407	15.38263	3.88082	1.54853	1.45993	3.87E+01	6.57E-01	9.74E-05	1.69E-01	7.09E+00	5.37E-01	2.67E+00	2.42E+00	4.74E+01
2270	495511.06	3859901.99	3.76391	1.46397	3.81375	3.28809	15.30043	3.75972	1.54508	1.46397	3.86E+01	6.59E-01	9.67E-05	1.70E-01	7.05E+00	5.20E-01	2.67E+00	2.43E+00	4.72E+01
2271	495561.06	3859901.99	3.75553	1.46751	3.78575	3.29967	15.18202	3.65895	1.54281	1.46751	3.85E+01	6.60E-01	9.60E-05	1.71E-01	7.00E+00	5.06E-01	2.66E+00	2.43E+00	4.71E+01
2272	495611.06	3859901.99	3.75089	1.48295	3.68838	3.30302	15.0643	3.63471	1.55006	1.48295	3.85E+01	6.67E-01	9.36E-05	1.71E-01	6.94E+00	5.03E-01	2.68E+00	2.46E+00	4.70E+01
2273	495661.06	3859901.99	3.74623	1.49834	3.57431	3.29601	14.90707	3.53568	1.55875	1.49834	3.84E+01	6.74E-01	9.07E-05	1.71E-01	6.87E+00	4.89E-01	2.69E+00	2.48E+00	4.68E+01
2274	494311.06	3859951.99	3.72244	1.58902	3.97977	3.52539	14.27651	4.39755	1.66717	1.58902	3.82E+01	7.15E-01	1.01E-04	1.82E-01	6.58E+00	6.08E-01	2.88E+00	2.63E+00	4.65E+01
2275	494361.06	3859951.99	3.73149	1.54014	3.96589	3.50093	14.24545	4.41516	1.66541	1.54014	3.83E+01	6.93E-01	1.01E-04	1.81E-01	6.56E+00	6.10E-01	2.88E+00	2.55E+00	4.66E+01
2276	494411.06	3859951.99	3.73776	1.50137	3.96219	3.46436	14.17931	4.39069	1.66197	1.50137	3.83E+01	6.76E-01	1.01E-04	1.79E-01	6.53E+00	6.07E-01	2.87E+00	2.49E+00	4.67E+01
2277	494461.06	3859951.99	3.73984	1.47719	3.97838	3.42726	15.81358	4.34711	1.65544	1.47719	3.83E+01	6.65E-01	1.01E-04	1.77E-01	7.29E+00	6.01E-01	2.86E+00	2.45E+00	4.75E+01
2278	494511.06	3859951.99	3.73454	1.47957	4.03777	3.46506	15.61831	4.69218	1.64373	1.47957	3.83E+01	6.66E-01	1.02E-04	1.79E-01	7.20E+00	6.49E-01	2.84E+00	2.45E+00	4.74E+01
2279	494561.06	3859951.99	3.70797	1.55127	4.2143	3.51123	13.80919	5.19684	1.61218	1.55127	3.80E+01	6.98E-01	1.07E-04	1.82E-01	6.36E+00	7.18E-01	2.78E+00	2.57E+00	4.62E+01
2280	494611.06	3859951.99	3.73074	1.4593	4.10524	3.51384	15.22478	5.81988	1.62217	1.4593	3.83E+01	6.57E-01	1.04E-04	1.82E-01	7.02E+00	8.05E-01	2.80E+00	2.42E+00	4.73E+01
2281	494661.06	3859951.99	3.7162	1.49078	4.21064	3.53743	13.40579	6.49863	1.59943	1.49078	3.81E+01	6.71E-01	1.07E-04	1.83E-01	6.18E+00	8.98E-01	2.76E+00	2.47E+00	4.63E+01
2282	494711.06	3859951.99	3.73507	1.41024	4.10757	3.53326	14.7992	7.42313	1.60338	1.41024	3.83E+01	6.35E-01	1.04E-04	1.83E-01	6.82E+00	1.03E+00	2.77E+00	2.34E+00	4.74E+01
2283	494761.06	3859951.99	3.73026	1.40918	4.14907	3.54022	14.43115	8.52511	1.58847	1.40918	3.83E+01	6.34E-01	1.05E-04	1.83E-01	6.65E+00	1.18E+00	2.74E+00	2.33E+00	4.73E+01
2284	494811.06	3859951.99	3.72826	1.39804	4.16869	3.53859	14.0699	10.55825	1.57442	1.39804	3.82E+01	6.29E-01	1.06E-04	1.83E-01	6.48E+00	1.46E+00	2.72E+00	2.32E+00	4.74E+01
2285	494861.06	3859951.99	3.71946	1.40881	4.22937	3.53244	13.6031	15.87548	1.55456	1.40881	3.81E+01	6.34E-01	1.07E-04	1.83E-01	6.27E+00	2.19E+00	2.68E+00	2.33E+00	4.78E+01
2286	494911.06	3859951.99	3.72631	1.36728	4.18312	3.51656	13.3029	7.98549	1.54608	1.36728	3.82E+01	6.15E-01	1.06E-04	1.82E-01	6.13E+00	1.10E+00	2.67E+00	2.27E+00	4.66E+01
2287	494961.06	3859951.99	3.73063	1.37179	4.14612	3.49509	12.93238	6.99557	1.53721	1.37179	3.83E+01	6.17E-01	1.05E-04	1.81E-01	5.96E+00	9.67E-01	2.65E+00	2.27E+00	4.64E+01
2288	495011.06	3859951.99	3.73243	1.37319	4.11985	3.46929	12.976	6.44376	1.52692	1.37319	3.83E+01	6.18E-01	1.05E-04	1.80E-01	5.98E+00	8.91E-01	2.64E+00	2.28E+00	4.63E+01
2289	495061.06	3859951.99	3.73084	1.3695	4.11584	3.43921	13.26859	6.00065	1.51157	1.3695	3.83E+01	6.16E-01	1.04E-04	1.78E-01	6.11E+00	8.30E-01	2.61E+00	2.27E+00	4.63E+01
2290	495111.06	3859951.99	3.73541	1.37575	4.0558	3.40069	13.60494	5.57825	1.50603	1.37575	3.83E+01	6.19E-01	1.03E-04	1.76E-01	6.27E+00	7.71E-01	2.60E+00	2.28E+00	4.65E+01
2291	495161.06	3859951.99	3.73844	1.38465	3.99793	3.35515	13.90879	5.26947	1.50616	1.38465	3.83E+01	6.23E-01	1.01E-04	1.74E-01	6.41E+00	7.29E-01	2.60E+00	2.29E+00	4.66E+01
2292	495211.06	3859951.99	3.74058	1.394	3.9398	3.30292	14.18274	4.99618	1.51375	1.394	3.84E+01	6.27E-01	9.99E-05	1.71E-01	6.54E+00	6.91E-01	2.61E+00	2.31E+00	4.67E+01
2293	495261.06	3859951.99	3.73911	1.3919	3.90954	3.25155	14.39875	4.77395	1.51576	1.3919	3.83E+01	6.26E-01	9.92E-05	1.68E-01	6.64E+00	6.60E-01	2.62E+00	2.31E+00	4.67E+01
2294	495311.06	3859951.99	3.73163	1.37281	3.93455	3.20377	14.52337	4.608	1.51333	1.37281	3.83E+01	6.18E-01	9.98E-05	1.66E-01	6.69E+00	6.37E-01	2.61E+00	2.27E+00	4.67E+01
2295	495361.06	3859951.99	3.72805	1.37844	3.91511	3.17642	14.66281	4.44257	1.51304	1.37844	3.82E+01	6.20E-01	9.93E-05	1.64E-01	6.76E+00	6.14E-01	2.61E+00	2.28E+00	4.67E+01
2296	495411.06	3859951.99	3.72853	1.39336	3.84639	3.19008	14.81907	4.26353	1.51588	1.39336	3.82E+01	6.27E-01	9.76E-05	1.65E-01	6.83E+00	5.89E-01	2.62E+00	2.31E+00	4.68E+01
2297	495461.06	3859951.99	3.72669	1.40523	3.79353	3.20598	14.92224	4.10407	1.51671	1.40523	3.82E+01	6.32E-01	9.62E-05	1.66E-01	6.88E+00	5.67E-01	2.62E+00	2.33E+00	4.67E+01

2298	495511.06	3859951.99	3.72447	1.41633	3.73435	3.2169	14.99182	3.95439	1.51763	1.41633	3.82E+01	6.37E-01	9.47E-05	1.67E-01	6.91E+00	5.47E-01	2.62E+00	2.35E+00	4.67E+01
2299	495561.06	3859951.99	3.71437	1.4144	3.76772	3.25414	14.93975	3.87092	1.50849	1.4144	3.81E+01	6.37E-01	9.56E-05	1.68E-01	6.88E+00	5.35E-01	2.60E+00	2.34E+00	4.66E+01
2300	495611.06	3859951.99	3.71233	1.42483	3.69417	3.25334	14.95125	3.73561	1.50922	1.42483	3.81E+01	6.41E-01	9.37E-05	1.68E-01	6.89E+00	5.16E-01	2.61E+00	2.36E+00	4.65E+01
2301	495661.06	3859951.99	3.71174	1.44185	3.58763	3.23784	14.94652	3.64746	1.5173	1.44185	3.81E+01	6.49E-01	9.10E-05	1.68E-01	6.89E+00	5.04E-01	2.62E+00	2.39E+00	4.65E+01
2302	494311.06	3860001.99	3.64836	1.75508	3.96822	3.7691	14.399	4.12438	1.76548	1.75508	3.74E+01	7.90E-01	1.01E-04	1.95E-01	6.64E+00	5.70E-01	3.05E+00	2.91E+00	4.57E+01
2303	494361.06	3860001.99	3.65152	1.72391	3.86268	3.70197	14.22209	4.06086	1.73273	1.72391	3.74E+01	7.76E-01	9.80E-05	1.92E-01	6.55E+00	5.61E-01	2.99E+00	2.86E+00	4.57E+01
2304	494411.06	3860001.99	3.66664	1.65138	3.73465	3.55048	14.01054	4.13347	1.65877	1.65138	3.76E+01	7.43E-01	9.47E-05	1.84E-01	6.46E+00	5.71E-01	2.86E+00	2.74E+00	4.57E+01
2305	494461.06	3860001.99	3.66314	1.64547	3.64059	3.53492	13.95668	4.44853	1.65122	1.64547	3.76E+01	7.41E-01	9.24E-05	1.83E-01	6.43E+00	6.15E-01	2.85E+00	2.73E+00	4.57E+01
2306	494511.06	3860001.99	3.67016	1.60216	3.52623	3.44293	13.90934	4.90925	1.63654	1.60216	3.76E+01	7.21E-01	8.95E-05	1.78E-01	6.41E+00	6.79E-01	2.83E+00	2.65E+00	4.58E+01
2307	494561.06	3860001.99	3.63128	1.71162	3.5587	3.66488	13.84172	5.39113	1.71327	1.71162	3.72E+01	7.70E-01	9.03E-05	1.90E-01	6.38E+00	7.45E-01	2.96E+00	2.84E+00	4.54E+01
2308	494611.06	3860001.99	3.64226	1.65979	3.55418	3.55605	13.73168	5.95818	1.66007	1.65979	3.73E+01	7.47E-01	9.02E-05	1.84E-01	6.33E+00	8.24E-01	2.87E+00	2.75E+00	4.55E+01
2309	494661.06	3860001.99	3.63995	1.64863	3.6043	3.53087	13.59444	6.57314	1.64711	1.64863	3.73E+01	7.42E-01	9.14E-05	1.83E-01	6.26E+00	9.09E-01	2.84E+00	2.73E+00	4.55E+01
2310	494711.06	3860001.99	3.67525	1.51448	3.46515	3.43522	13.41681	7.4936	1.60299	1.51448	3.77E+01	6.82E-01	8.79E-05	1.78E-01	6.18E+00	1.04E+00	2.77E+00	2.51E+00	4.60E+01
2311	494761.06	3860001.99	3.65534	1.5646	3.60337	3.46122	13.23115	8.39791	1.57219	1.5646	3.75E+01	7.04E-01	9.14E-05	1.79E-01	6.10E+00	1.16E+00	2.71E+00	2.59E+00	4.57E+01
2312	494811.06	3860001.99	3.65057	1.562	3.65829	3.47098	13.01407	10.54427	1.55801	1.562	3.74E+01	7.03E-01	9.28E-05	1.80E-01	6.00E+00	1.46E+00	2.69E+00	2.59E+00	4.59E+01
2313	494861.06	3860001.99	3.6427	1.56832	3.72567	3.47004	12.77533	14.39943	1.57022	1.56832	3.74E+01	7.06E-01	9.45E-05	1.80E-01	5.89E+00	1.99E+00	2.71E+00	2.60E+00	4.62E+01
2314	494911.06	3860001.99	3.67228	1.45226	3.59081	3.4749	13.87759	8.17174	1.55279	1.45226	3.77E+01	6.54E-01	9.11E-05	1.80E-01	6.40E+00	1.13E+00	2.68E+00	2.41E+00	4.63E+01
2315	494961.06	3860001.99	3.6666	1.45538	3.64582	3.47181	12.22383	7.10867	1.53397	1.45538	3.76E+01	6.55E-01	9.25E-05	1.80E-01	5.63E+00	9.83E-01	2.65E+00	2.41E+00	4.53E+01
2316	495011.06	3860001.99	3.6722	1.41764	3.62908	3.46151	13.19006	6.5396	1.52528	1.41764	3.77E+01	6.38E-01	9.21E-05	1.79E-01	6.08E+00	9.04E-01	2.63E+00	2.35E+00	4.57E+01
2317	495061.06	3860001.99	3.66536	1.42186	3.68446	3.44633	12.72951	6.15914	1.50404	1.42186	3.76E+01	6.40E-01	9.35E-05	1.78E-01	5.87E+00	8.52E-01	2.60E+00	2.36E+00	4.54E+01
2318	495111.06	3860001.99	3.67152	1.38134	3.65565	3.42694	12.39338	5.75577	1.49402	1.38134	3.76E+01	6.22E-01	9.27E-05	1.77E-01	5.71E+00	7.96E-01	2.58E+00	2.29E+00	4.52E+01
2319	495161.06	3860001.99	3.67683	1.34407	3.62386	3.40142	12.70891	5.45051	1.48482	1.34407	3.77E+01	6.05E-01	9.19E-05	1.76E-01	5.86E+00	7.54E-01	2.56E+00	2.23E+00	4.54E+01
2320	495211.06	3860001.99	3.67071	1.3426	3.66666	3.37092	12.93526	5.23491	1.47946	1.3426	3.76E+01	6.04E-01	9.30E-05	1.75E-01	5.96E+00	7.24E-01	2.55E+00	2.22E+00	4.54E+01
2321	495261.06	3860001.99	3.67399	1.32933	3.63973	3.33675	13.23814	5.00407	1.48074	1.32933	3.77E+01	5.98E-01	9.23E-05	1.73E-01	6.10E+00	6.92E-01	2.56E+00	2.20E+00	4.56E+01
2322	495311.06	3860001.99	3.67228	1.32066	3.64339	3.29709	13.47297	4.81659	1.47925	1.32066	3.77E+01	5.94E-01	9.24E-05	1.71E-01	6.21E+00	6.66E-01	2.55E+00	2.19E+00	4.57E+01
2323	495361.06	3860001.99	3.68222	1.33725	3.54665	3.24862	13.83156	4.58363	1.49104	1.33725	3.78E+01	6.02E-01	9.00E-05	1.68E-01	6.37E+00	6.34E-01	2.57E+00	2.22E+00	4.59E+01
2324	495411.06	3860001.99	3.67289	1.33136	3.60388	3.20422	13.9351	4.47823	1.48115	1.33136	3.77E+01	5.99E-01	9.14E-05	1.66E-01	6.42E+00	6.19E-01	2.56E+00	2.21E+00	4.58E+01
2325	495461.06	3860001.99	3.67248	1.34641	3.58195	3.15075	14.12112	4.33044	1.48495	1.34641	3.77E+01	6.06E-01	9.09E-05	1.63E-01	6.51E+00	5.99E-01	2.56E+00	2.23E+00	4.59E+01
2326	495511.06	3860001.99	3.67086	1.3589	3.56261	3.12828	14.27229	4.19572	1.48664	1.3589	3.76E+01	6.12E-01	9.04E-05	1.62E-01	6.58E+00	5.80E-01	2.57E+00	2.25E+00	4.59E+01
2327	495561.06	3860001.99	3.66423	1.36068	3.58523	3.16662	14.3259	4.096	1.4797	1.36068	3.76E+01	6.12E-01	9.09E-05	1.64E-01	6.60E+00	5.66E-01	2.55E+00	2.25E+00	4.58E+01
2328	495611.06	3860001.99	3.66617	1.38078	3.52336	3.17481	14.47154	3.95481	1.48647	1.38078	3.76E+01	6.21E-01	8.94E-05	1.64E-01	6.67E+00	5.47E-01	2.57E+00	2.29E+00	4.59E+01
2329	495661.06	3860001.99	3.66658	1.39175	3.4647	3.18172	14.56842	3.82268	1.48734	1.39175	3.76E+01	6.26E-01	8.79E-05	1.65E-01	6.71E+00	5.28E-01	2.57E+00	2.31E+00	4.59E+01
2330	494411.06	3860051.99	3.58703	1.84972	4.21041	4.03117	14.14803	4.24154	1.86824	1.84972	3.68E+01	8.32E-01	1.07E-04	2.09E-01	6.52E+00	5.86E-01	3.23E+00	3.06E+00	4.51E+01
2331	494461.06	3860051.99	3.59099	1.81439	4.0495	3.95343	13.99099	4.64396	1.83144	1.81439	3.68E+01	8.17E-01	1.03E-04	2.05E-01	6.45E+00	6.42E-01	3.16E+00	3.01E+00	4.51E+01
2332	494511.06	3860051.99	3.59277	1.78731	3.91814	3.89271	13.80091	5.08666	1.80289	1.78731	3.68E+01	8.04E-01	9.94E-05	2.02E-01	6.36E+00	7.03E-01	3.11E+00	2.96E+00	4.51E+01
2333	494561.06	3860051.99	3.57091	1.83734	3.86478	3.98767	13.671	5.53493	1.85121	1.83734	3.66E+01	8.27E-01	9.80E-05	2.06E-01	6.30E+00	7.65E-01	3.20E+00	3.04E+00	4.49E+01
2334	494611.06	3860051.99	3.56391	1.83772	3.79041	3.98307	13.64346	6.01214	1.84992	1.83772	3.65E+01	8.27E-01	9.62E-05	2.06E-01	6.29E+00	8.31E-01	3.19E+00	3.04E+00	4.48E+01
2335	494661.06	3860051.99	3.56141	1.82439	3.70988	3.95136	13.58265	6.52079	1.83496	1.82439	3.65E+01	8.21E-01	9.41E-05	2.05E-01	6.26E+00	9.02E-01	3.17E+00	3.02E+00	4.49E+01
2336	494711.06	3860051.99	3.58224	1.74242	3.60098	3.78137	13.49452	7.23245	1.75181	1.74242	3.67E+01	7.84E-01	9.13E-05	1.96E-01	6.22E+00	1.00E+00	3.02E+00	2.89E+00	4.51E+01
2337	494761.06	3860051.99	3.57826	1.73585	3.52138	3.76383	13.37487	8.44452	1.74357	1.73585	3.67E+01	7.81E-01	8.93E-05	1.95E-01	6.16E+00	1.17E+00	3.01E+00	2.88E+00	4.51E+01
2338	494811.06	3860051.99	3.5649	1.75515	3.45244	3.79904	13.2297	10.70812	1.76093	1.75515	3.66E+01	7.90E-01	8.76E-05	1.97E-01	6.10E+00	1.48E+00	3.04E+00	2.91E+00	4.53E+01
2339	494861.06	3860051.99	3.55445	1.76369	3.37894	3.81272	13.05238	11.8622	1.7675	1.76369	3.64E+01	7.94E-01	8.57E-05	1.97E-01	6.02E+00	1.64E+00	3.05E+00	2.92E+00	4.52E+01
2340	494911.06	3860051.99	3.5684	1.7075	3.278	3.69535	12.85753	7.98513	1.7101	1.7075	3.66E+01	7.68E-01	8.32E-05	1.91E-01	5.93E+00	1.10E+00	2.95E+00	2.83E+00	4.47E+01
2341	494961.06	3860051.99	3.58321	1.64603	3.17278	3.56654	12.63338	7.35236	1.64753	1.64603	3.67E+01	7.41E-01	8.05E-05	1.85E-01	5.82E+00	1.02E+00	2.84E+00	2.73E+00	4.46E+01
2342	495011.06	3860051.99	3.59297	1.59758	3.14441	3.4642	12.38936	6.75363	1.59785	1.59758	3.68E+01	7.19E-01	7.98E-05	1.79E-01	5.71E+00	9.34E-01	2.76E+00	2.65E+00	4.45E+01
2343	495061.06	3860051.99	3.59696	1.56665	3.15977	3.40276	12.12542	6.27325	1.56549	1.56665	3.69E+01	7.05E-01	8.02E-05	1.76E-01	5.59E+00	8.67E-01	2.70E+00	2.60E+00	4.43E+01
2344	495111.06	3860051.99	3.6082	1.51108	3.13415	3.40205	11.84278	5.81917	1.50881	1.51108	3.70E+01	6.80E-01	7.95E-05	1.76E-01	5.46E+00	8.05E-01	2.60E+00	2.50E+00	4.42E+01
2345	495161.06	3860051.99	3.61082	1.48331	3.14707	3.3915	11.54623	5.54805	1.4796	1.48331	3.70E+01	6.68E-01	7.98E-05	1.76E-01	5.32E+00	7.67E-01	2.55E+00	2.46E+00	4.41E+01
2346	495211.06	3860051.99	3.61631	1.44498	3.13988	3.37774	12.29506	5.30165	1.47117	1.44498	3.71E+01	6.50E-01	7.97E-05	1.75E-01	5.67E+00	7.33E-01	2.54E+00	2.39E+00	4.45E+01
2347	495261.06	3860051.99	3.61476	1.43091	3.16913	3.35631	12.08486	5.12163	1.46874	1.43091	3.71E+01	6.44E-01	8.04E-05	1.74E-01	5.57E+00	7.08E-01	2.54E+00	2.37E+00	4.43E+01
2348	495311.06	3860051.99	3.61084	1.42458	3.20947	3.32864	12.31788	4.9666	1.4652	1.42458	3.70E+01	6.41E-01	8.14E-05	1.72E-01	5.68E+00	6.87E-01	2.53E+00	2.36E+00	4.44E+01
2349	495361.06	3860051.99	3.60996	1.40644	3.22795	3.29772	12.5663	4.81504	1.46172	1.40644	3.70E+01	6.33E-01	8.19E-05	1.71E-01	5.79E+00	6.66E-01	2.52E+00	2.33E+00	4.45E+01
2350	495411.06	3860051.99	3.61062	1.3827	3.23419	3.26493	12.81731	4.6652	1.45867	1.3827	3.70E+01	6.22E-01	8.20E-05	1.69E-01	5.91E+00	6.45E-01	2.52E+00	2.29E+00	4.46E+01
2351	495461.06	3860051.99	3.61327	1.35151	3.22406	3.22748	13.08208	4.51957	1.45727	1.35151	3.71E+01	6.08E-01	8.18E-05	1.67E-01	6.03E+00	6.25E-01	2.52E+00	2.24E+00	4.48E+01
2352	495511.06	3860051.99	3.61009	1.33962	3.24646	3.18354	13.25068	4.40771	1.45216	1.33962	3.70E+01	6.03E-01	8.24E-05	1.65E-01	6.11E+00	6.09E-01	2.51E+00	2.22E+00	4.48E+01
2353	495561.06	3860051.99	3.60977	1.31669	3.246	3.13924	13.44536	4.28256	1.44896	1.31669	3.70E+01	5.93E-01	8.23E-05	1.63E-01	6.20E+00	5.92E-01	2.50E+00	2.18E+00	4.49E+01
2354	495611.06	3860051.99	3.61153	1.31952	3.22632	3.08984	13.65273	4.15978	1.44802	1.31952	3.70E+01	5.94E-01	8.18E-05	1.60E-01	6.29E+00	5.75E-01	2.50E+00	2.19E+00	4.50E+01
2355	495661.06	3860051.99	3.6168	1.33657	3.17193	3.0754	13.89863	4.01555	1.45547	1.33657	3.71E+01	6.02E-01	8.05E-05	1.59E-01	6.41E+00	5.55E-01	2.51E+00	2.21E+00	4.51E+01
2356	494411.06	3860101.99	3.53539	1.95857	4.81213	4.30926	14.07541	4.42844	1.98475	1.95857	3.63E+01	8.81E-01	1.22E-04	2.23E-01	6.49E+00	6.12E-01	3.43E+00	3.25E+00	4.46E+01

2357	494461.06	3860101.99	3.5149	2.00307	4.74772	4.38959	13.99508	4.80355	2.02805	2.00307	3.60E+01	9.01E-01	1.20E-04	2.27E-01	6.45E+00	6.64E-01	3.50E+00	3.32E+00	4.45E+01
2358	494511.06	3860101.99	3.52982	1.9294	4.57486	4.23454	13.89956	5.21325	1.95326	1.9294	3.62E+01	8.68E-01	1.16E-04	2.19E-01	6.41E+00	7.21E-01	3.37E+00	3.20E+00	4.46E+01
2359	494561.06	3860101.99	3.51967	1.94037	4.47766	4.24859	13.75653	5.60632	1.96298	1.94037	3.61E+01	8.73E-01	1.14E-04	2.20E-01	6.34E+00	7.75E-01	3.39E+00	3.22E+00	4.45E+01
2360	494611.06	3860101.99	3.4969	1.98614	4.41388	4.33158	13.57023	5.97724	2.00712	1.98614	3.59E+01	8.94E-01	1.12E-04	2.24E-01	6.25E+00	8.26E-01	3.47E+00	3.29E+00	4.42E+01
2361	494661.06	3860101.99	3.48995	1.98224	4.30381	4.31612	13.36401	6.40613	2.00179	1.98224	3.58E+01	8.92E-01	1.09E-04	2.23E-01	6.16E+00	8.86E-01	3.46E+00	3.28E+00	4.41E+01
2362	494711.06	3860101.99	3.50653	1.91464	4.12999	4.17627	13.36105	7.17239	1.93328	1.91464	3.60E+01	8.62E-01	1.05E-04	2.16E-01	6.16E+00	9.92E-01	3.34E+00	3.17E+00	4.43E+01
2363	494761.06	3860101.99	3.50297	1.90379	4.01275	4.14835	13.31776	8.56679	1.92104	1.90379	3.59E+01	8.57E-01	1.02E-04	2.15E-01	6.14E+00	1.18E+00	3.32E+00	3.15E+00	4.45E+01
2364	494811.06	3860101.99	3.49782	1.89695	3.90087	4.12869	13.24148	11.09455	1.91267	1.89695	3.59E+01	8.54E-01	9.90E-05	2.14E-01	6.10E+00	1.53E+00	3.30E+00	3.14E+00	4.47E+01
2365	494861.06	3860101.99	3.45797	1.95585	3.87185	4.2362	13.10401	11.59109	1.9685	1.95585	3.55E+01	8.80E-01	9.82E-05	2.19E-01	6.04E+00	1.60E+00	3.40E+00	3.24E+00	4.44E+01
2366	494911.06	3860101.99	3.51198	1.8182	3.60966	3.96174	13.02349	8.04187	1.83151	1.8182	3.60E+01	8.18E-01	9.16E-05	2.05E-01	6.00E+00	1.11E+00	3.16E+00	3.01E+00	4.43E+01
2367	494961.06	3860101.99	3.5118	1.79923	3.50895	3.91907	12.86944	7.4643	1.81113	1.79923	3.60E+01	8.10E-01	8.90E-05	2.03E-01	5.93E+00	1.03E+00	3.13E+00	2.98E+00	4.41E+01
2368	495011.06	3860101.99	3.52202	1.75105	3.42859	3.81845	12.69028	6.80372	1.76178	1.75105	3.61E+01	7.88E-01	8.70E-05	1.98E-01	5.85E+00	9.41E-01	3.04E+00	2.90E+00	4.40E+01
2369	495061.06	3860101.99	3.53	1.70892	3.34821	3.72968	12.48684	6.34508	1.71846	1.70892	3.62E+01	7.69E-01	8.49E-05	1.93E-01	5.75E+00	8.77E-01	2.97E+00	2.83E+00	4.39E+01
2370	495111.06	3860101.99	3.54385	1.64717	3.25826	3.60121	12.26003	5.9246	1.65568	1.64717	3.63E+01	7.41E-01	8.27E-05	1.86E-01	5.65E+00	8.19E-01	2.86E+00	2.73E+00	4.39E+01
2371	495161.06	3860101.99	3.54162	1.63584	3.18738	3.5745	12.01671	5.69387	1.6429	1.63584	3.63E+01	7.36E-01	8.09E-05	1.85E-01	5.54E+00	7.87E-01	2.84E+00	2.71E+00	4.37E+01
2372	495211.06	3860101.99	3.54485	1.60708	3.10876	3.51263	11.75425	5.45971	1.61284	1.60708	3.63E+01	7.23E-01	7.89E-05	1.82E-01	5.42E+00	7.55E-01	2.78E+00	2.66E+00	4.35E+01
2373	495261.06	3860101.99	3.54831	1.57725	3.02912	3.44855	11.47605	5.22615	1.58172	1.57725	3.64E+01	7.10E-01	7.68E-05	1.79E-01	5.29E+00	7.23E-01	2.73E+00	2.61E+00	4.34E+01
2374	495311.06	3860101.99	3.54878	1.55672	2.95338	3.40348	11.184	5.0625	1.5598	1.55672	3.64E+01	7.01E-01	7.49E-05	1.76E-01	5.15E+00	7.00E-01	2.69E+00	2.58E+00	4.32E+01
2375	495361.06	3860101.99	3.54469	1.55112	2.88471	3.38899	10.88125	4.93654	1.55265	1.55112	3.63E+01	6.98E-01	7.32E-05	1.75E-01	5.01E+00	6.82E-01	2.68E+00	2.57E+00	4.30E+01
2376	495411.06	3860101.99	3.54782	1.52133	2.80485	3.32514	10.93621	4.77881	1.52157	1.52133	3.64E+01	6.85E-01	7.12E-05	1.72E-01	5.04E+00	6.61E-01	2.63E+00	2.52E+00	4.30E+01
2377	495461.06	3860101.99	3.55806	1.46706	2.74472	3.25747	11.07224	4.61496	1.46626	1.46706	3.65E+01	6.60E-01	6.96E-05	1.69E-01	5.10E+00	6.38E-01	2.53E+00	2.43E+00	4.32E+01
2378	495511.06	3860101.99	3.55331	1.46304	2.79197	3.22222	11.19471	4.52477	1.46069	1.46304	3.64E+01	6.58E-01	7.08E-05	1.67E-01	5.16E+00	6.26E-01	2.52E+00	2.42E+00	4.31E+01
2379	495561.06	3860101.99	3.5487	1.45724	2.83542	3.18521	11.30064	4.43714	1.45331	1.45724	3.64E+01	6.56E-01	7.19E-05	1.65E-01	5.21E+00	6.13E-01	2.51E+00	2.41E+00	4.31E+01
2380	495611.06	3860101.99	3.55773	1.40462	2.80221	3.15604	12.71234	4.29847	1.4349	1.40462	3.65E+01	6.32E-01	7.11E-05	1.63E-01	5.86E+00	5.94E-01	2.48E+00	2.33E+00	4.39E+01
2381	495661.06	3860101.99	3.55782	1.38198	2.81408	3.11648	12.9103	4.2037	1.4297	1.38198	3.65E+01	6.22E-01	7.14E-05	1.61E-01	5.95E+00	5.81E-01	2.47E+00	2.29E+00	4.40E+01
2382	494861.06	3860151.99	3.36296	2.12044	4.45028	4.52786	12.94734	12.39794	2.13646	2.12044	3.45E+01	9.54E-01	1.13E-04	2.34E-01	5.97E+00	1.71E+00	3.69E+00	3.51E+00	4.35E+01
2383	494911.06	3860151.99	3.42933	1.99074	4.2489	4.28984	12.98112	8.23123	2.00993	1.99074	3.52E+01	8.96E-01	1.08E-04	2.22E-01	5.98E+00	1.14E+00	3.47E+00	3.30E+00	4.36E+01
2384	494961.06	3860151.99	3.43773	1.95054	4.11986	4.2086	12.90579	7.5344	1.96904	1.95054	3.53E+01	8.78E-01	1.05E-04	2.18E-01	5.95E+00	1.04E+00	3.40E+00	3.23E+00	4.35E+01
2385	495011.06	3860151.99	3.44871	1.9031	3.98157	4.11364	12.8051	7.00195	1.9208	1.9031	3.54E+01	8.56E-01	1.01E-04	2.13E-01	5.90E+00	9.68E-01	3.32E+00	3.15E+00	4.35E+01
2386	495061.06	3860151.99	3.45897	1.85657	3.84235	4.01971	12.67584	6.56843	1.87352	1.85657	3.55E+01	8.36E-01	9.75E-05	2.08E-01	5.84E+00	9.08E-01	3.23E+00	3.08E+00	4.34E+01
2387	495111.06	3860151.99	3.46385	1.8245	3.71683	3.95358	12.51836	6.26276	1.84043	1.8245	3.55E+01	8.21E-01	9.43E-05	2.05E-01	5.77E+00	8.66E-01	3.18E+00	3.02E+00	4.33E+01
2388	495161.06	3860151.99	3.46647	1.79873	3.59778	3.89987	12.33501	5.98485	1.81358	1.79873	3.55E+01	8.10E-01	9.13E-05	2.02E-01	5.68E+00	8.27E-01	3.13E+00	2.98E+00	4.32E+01
2389	495211.06	3860151.99	3.47236	1.76371	3.46938	3.82819	12.12953	5.73679	1.77754	1.76371	3.56E+01	7.94E-01	8.80E-05	1.98E-01	5.59E+00	7.93E-01	3.07E+00	2.92E+00	4.31E+01
2390	495261.06	3860151.99	3.47363	1.742	3.35571	3.7825	11.90258	5.52947	1.7547	1.742	3.56E+01	7.84E-01	8.51E-05	1.96E-01	5.49E+00	7.64E-01	3.03E+00	2.89E+00	4.30E+01
2391	495311.06	3860151.99	3.47546	1.71838	3.2499	3.73315	11.65894	5.36171	1.72992	1.71838	3.56E+01	7.73E-01	8.24E-05	1.93E-01	5.37E+00	7.41E-01	2.99E+00	2.85E+00	4.29E+01
2392	495361.06	3860151.99	3.4759	1.69894	3.18846	3.69203	11.39797	5.19609	1.70929	1.69894	3.56E+01	7.65E-01	8.09E-05	1.91E-01	5.25E+00	7.18E-01	2.95E+00	2.82E+00	4.27E+01
2393	495411.06	3860151.99	3.4795	1.67017	3.12296	3.63256	11.12304	5.04158	1.6794	1.67017	3.57E+01	7.52E-01	7.92E-05	1.88E-01	5.13E+00	6.97E-01	2.90E+00	2.77E+00	4.26E+01
2394	495461.06	3860151.99	3.48202	1.6441	3.05729	3.57845	10.83433	4.90491	1.65219	1.6441	3.57E+01	7.40E-01	7.76E-05	1.85E-01	4.99E+00	6.78E-01	2.85E+00	2.72E+00	4.24E+01
2395	495511.06	3860151.99	3.48835	1.60643	2.98645	3.50127	10.58633	4.75	1.61349	1.60643	3.58E+01	7.23E-01	7.58E-05	1.81E-01	4.88E+00	6.57E-01	2.79E+00	2.66E+00	4.23E+01
2396	495561.06	3860151.99	3.48791	1.58883	2.92227	3.46391	10.73529	4.63552	1.59463	1.58883	3.58E+01	7.15E-01	7.41E-05	1.79E-01	4.95E+00	6.41E-01	2.75E+00	2.63E+00	4.24E+01
2397	495611.06	3860151.99	3.49287	1.55396	2.8508	3.39194	10.86687	4.50747	1.55871	1.55396	3.58E+01	6.99E-01	7.23E-05	1.76E-01	5.01E+00	6.23E-01	2.69E+00	2.57E+00	4.24E+01
2398	495661.06	3860151.99	3.49917	1.51374	2.77625	3.30898	10.979	4.38297	1.51749	1.51374	3.59E+01	6.81E-01	7.04E-05	1.71E-01	5.06E+00	6.06E-01	2.62E+00	2.51E+00	4.25E+01
2399	495718.25	3859442.96	3.63226	1.3176	1.72962	2.57167	13.61796	3.5978	1.32714	1.3176	3.72E+01	5.93E-01	4.39E-05	1.33E-01	6.28E+00	4.97E-01	2.29E+00	2.18E+00	4.49E+01
2400	495818.25	3859442.96	3.56238	1.19636	1.68889	2.57605	13.28968	3.75472	1.20436	1.19636	3.65E+01	5.38E-01	4.28E-05	1.33E-01	6.12E+00	5.19E-01	2.08E+00	1.98E+00	4.39E+01
2401	495918.25	3859442.96	3.49791	1.06901	1.6501	2.57536	13.09102	3.83424	1.07608	1.06901	3.59E+01	4.81E-01	4.19E-05	1.33E-01	6.03E+00	5.30E-01	1.86E+00	1.77E+00	4.31E+01
2402	496018.25	3859442.96	3.4365	0.94428	1.61301	2.56957	12.88683	3.96684	0.9505	0.94428	3.52E+01	4.25E-01	4.09E-05	1.33E-01	5.94E+00	5.48E-01	1.64E+00	1.56E+00	4.24E+01
2403	496118.25	3859442.96	3.40043	0.82871	1.57998	2.56065	13.34008	4.13412	0.83412	0.82871	3.49E+01	3.73E-01	4.01E-05	1.33E-01	6.15E+00	5.72E-01	1.44E+00	1.37E+00	4.22E+01
2404	496218.25	3859442.96	3.35856	0.8129	1.55944	2.54693	13.55438	4.2867	0.78128	0.8129	3.44E+01	3.66E-01	3.96E-05	1.32E-01	6.25E+00	5.93E-01	1.35E+00	1.35E+00	4.18E+01
2405	496318.25	3859442.96	3.30227	0.80557	1.53166	2.52602	13.132	4.40403	0.75614	0.80557	3.39E+01	3.63E-01	3.89E-05	1.31E-01	6.05E+00	6.09E-01	1.31E+00	1.33E+00	4.10E+01
2406	496418.25	3859442.96	3.24567	0.79839	1.49958	2.50097	12.59379	4.41978	0.76457	0.79839	3.33E+01	3.59E-01	3.80E-05	1.29E-01	5.80E+00	6.11E-01	1.32E+00	1.32E+00	4.02E+01
2407	495718.25	3859542.96	3.75889	1.48941	1.9054	2.41476	14.52145	2.68168	1.50045	1.48941	3.85E+01	6.70E-01	4.83E-05	1.25E-01	6.69E+00	3.71E-01	2.59E+00	2.47E+00	4.65E+01
2408	495818.25	3859542.96	3.70763	1.38459	1.86812	2.44478	14.29336	2.84207	1.3951	1.38459	3.80E+01	6.23E-01	4.74E-05	1.27E-01	6.59E+00	3.93E-01	2.41E+00	2.29E+00	4.59E+01
2409	495918.25	3859542.96	3.65323	1.27463	1.83019	2.4692	13.89846	3.01728	1.28329	1.27463	3.75E+01	5.74E-01	4.64E-05	1.28E-01	6.40E+00	4.17E-01	2.22E+00	2.11E+00	4.51E+01
2410	496018.25	3859542.96	3.59764	1.15629	1.79273	2.48964	13.94515	3.15254	1.16428	1.15629	3.69E+01	5.20E-01	4.55E-05	1.29E-01	6.43E+00	4.36E-01	2.01E+00	1.92E+00	4.45E+01
2411	496118.25	3859542.96	3.55056	1.03724	1.75838	2.50744	14.60609	3.19137	1.0444	1.03724	3.64E+01	4.67E-01	4.46E-05	1.30E-01	6.73E+00	4.41E-01	1.80E+00	1.72E+00	4.43E+01
2412	496218.25	3859542.96	3.50003	0.92552	1.72395	2.51923	14.9601	3.22484	0.93174	0.92552	3.59E+01	4.17E-01	4.37E-05	1.30E-01	6.89E+00	4.46E-01	1.61E+00	1.53E+00	4.39E+01
2413	496318.25	3859542.96	3.44875	0.84277	1.68985	2.52545	15.08081	3.3259	0.82578	0.84277	3.54E+01	3.79E-01	4.29E-05	1.31E-01	6.95E+00	4.60E-01	1.43E+00	1.40E+00	4.33E+01
2414	496418.25	3859542.96	3.3948	0.83446	1.65503	2.52452	14.72189	3.39672	0.79408	0.83446	3.48E+01	3.76E-01	4.20E-05	1.31E-01	6.78E+00	4.70E-01	1.37E+00	1.38E+00	4.26E+01
2415	495718.25	3859642.96	3.75563	1.57934	2.10057	2.64727	14.23526	2.80133	1.59434	1.57934	3.85E+01	7.11E-01	5.33E-05	1.37E-01	6.56E+00	3.87E-01	2.75E+00	2.62E+00	4.64E+01

2416	495818.25	3859642.96	3.71306	1.50848	2.00006	2.42014	14.37647	2.65329	1.52179	1.50848	3.81E+01	6.79E-01	5.07E-05	1.25E-01	6.63E+00	3.67E-01	2.63E+00	2.50E+00	4.60E+01
2417	495918.25	3859642.96	3.72717	1.41768	1.97067	2.34122	14.51145	2.54884	1.4296	1.41768	3.82E+01	6.38E-01	5.00E-05	1.21E-01	6.69E+00	3.52E-01	2.47E+00	2.35E+00	4.61E+01
2418	496018.25	3859642.96	3.68687	1.32259	1.93943	2.31287	14.45235	2.50897	1.33317	1.32259	3.78E+01	5.95E-01	4.92E-05	1.20E-01	6.66E+00	3.47E-01	2.30E+00	2.19E+00	4.56E+01
2419	496118.25	3859642.96	3.58468	1.20751	2.00319	2.43091	14.69109	2.59699	1.21712	1.20751	3.68E+01	5.43E-01	5.08E-05	1.26E-01	6.77E+00	3.59E-01	2.10E+00	2.00E+00	4.47E+01
2420	496218.25	3859642.96	3.54125	1.10114	2.09002	2.52568	14.9496	2.68283	1.10992	1.10114	3.63E+01	4.96E-01	5.30E-05	1.31E-01	6.89E+00	3.71E-01	1.92E+00	1.82E+00	4.43E+01
2421	496318.25	3859642.96	3.49616	0.99971	2.02411	2.48333	15.17618	2.76338	1.00745	0.99971	3.58E+01	4.50E-01	5.13E-05	1.29E-01	6.99E+00	3.82E-01	1.74E+00	1.66E+00	4.39E+01
2422	496418.25	3859642.96	3.50162	0.8995	1.80922	2.42437	14.41789	2.87652	0.90535	0.8995	3.59E+01	4.05E-01	4.59E-05	1.26E-01	6.64E+00	3.98E-01	1.56E+00	1.49E+00	4.36E+01
2423	495718.25	3859742.96	3.78209	1.60288	2.60079	3.20151	12.67511	2.98548	1.625	1.60288	3.88E+01	7.21E-01	6.60E-05	1.66E-01	5.84E+00	4.13E-01	2.81E+00	2.66E+00	4.61E+01
2424	495818.25	3859742.96	3.75072	1.56734	2.46074	3.03692	13.12286	2.83428	1.58556	1.56734	3.85E+01	7.05E-01	6.24E-05	1.57E-01	6.05E+00	3.92E-01	2.74E+00	2.60E+00	4.59E+01
2425	495918.25	3859742.96	3.71492	1.50924	2.37293	2.86479	13.54663	2.75015	1.5249	1.50924	3.81E+01	6.79E-01	6.02E-05	1.48E-01	6.24E+00	3.80E-01	2.63E+00	2.50E+00	4.57E+01
2426	496018.25	3859742.96	3.67737	1.44125	2.27451	2.74164	13.86028	2.59932	1.45501	1.44125	3.77E+01	6.49E-01	5.77E-05	1.42E-01	6.39E+00	3.59E-01	2.51E+00	2.39E+00	4.54E+01
2427	496118.25	3859742.96	3.63985	1.34059	2.34675	2.83697	14.31167	2.76074	1.35333	1.34059	3.73E+01	6.03E-01	5.95E-05	1.47E-01	6.60E+00	3.82E-01	2.34E+00	2.22E+00	4.52E+01
2428	496218.25	3859742.96	3.59691	1.2341	2.45018	3.00806	14.64194	2.93178	1.24621	1.2341	3.69E+01	5.55E-01	6.22E-05	1.56E-01	6.75E+00	4.05E-01	2.15E+00	2.04E+00	4.49E+01
2429	496318.25	3859742.96	3.56047	1.16626	2.16665	2.53874	14.46689	2.53301	1.176	1.16626	3.65E+01	5.25E-01	5.50E-05	1.31E-01	6.67E+00	3.50E-01	2.03E+00	1.93E+00	4.43E+01
2430	496418.25	3859742.96	3.51759	1.07307	1.9346	2.25988	14.06064	2.46161	1.0814	1.07307	3.61E+01	4.83E-01	4.91E-05	1.17E-01	6.48E+00	3.40E-01	1.87E+00	1.78E+00	4.36E+01
2431	495718.25	3859842.96	3.76354	1.5536	3.24799	3.34319	13.92189	3.3812	1.59514	1.5536	3.86E+01	6.99E-01	8.24E-05	1.73E-01	6.42E+00	4.67E-01	2.75E+00	2.57E+00	4.65E+01
2432	495818.25	3859842.96	3.74039	1.53833	3.09174	3.31627	13.11864	3.31895	1.5728	1.53833	3.84E+01	6.92E-01	7.84E-05	1.72E-01	6.05E+00	4.59E-01	2.72E+00	2.55E+00	4.59E+01
2433	495918.25	3859842.96	3.71588	1.51255	2.9272	3.26342	12.21553	3.19315	1.54127	1.51255	3.81E+01	6.81E-01	7.43E-05	1.69E-01	5.63E+00	4.41E-01	2.66E+00	2.51E+00	4.52E+01
2434	496018.25	3859842.96	3.68632	1.4603	2.87975	3.25287	12.15684	3.15147	1.48556	1.4603	3.78E+01	6.57E-01	7.31E-05	1.68E-01	5.60E+00	4.36E-01	2.56E+00	2.42E+00	4.48E+01
2435	496118.25	3859842.96	3.64333	1.35017	3.11335	3.37363	12.77344	3.36977	1.37396	1.35017	3.74E+01	6.08E-01	7.90E-05	1.75E-01	5.89E+00	4.66E-01	2.37E+00	2.24E+00	4.46E+01
2436	496218.25	3859842.96	3.62632	1.34638	2.67116	3.11702	13.1394	3.02912	1.36362	1.34638	3.72E+01	6.06E-01	6.78E-05	1.61E-01	6.06E+00	4.19E-01	2.35E+00	2.23E+00	4.45E+01
2437	496318.25	3859842.96	3.59866	1.33661	2.04646	2.52908	12.92666	2.42049	1.34808	1.33661	3.69E+01	6.02E-01	5.19E-05	1.31E-01	5.96E+00	3.35E-01	2.33E+00	2.21E+00	4.40E+01
2438	496418.25	3859842.96	3.64155	1.27485	2.00844	2.15443	12.62216	2.38393	1.28431	1.27485	3.73E+01	5.74E-01	5.09E-05	1.12E-01	5.82E+00	3.30E-01	2.22E+00	2.11E+00	4.43E+01
2439	495718.25	3859942.96	3.70946	1.45019	3.57517	3.26649	14.8138	3.63808	1.51709	1.45019	3.80E+01	6.53E-01	9.07E-05	1.69E-01	6.83E+00	5.03E-01	2.62E+00	2.40E+00	4.64E+01
2440	495818.25	3859942.96	3.69742	1.46316	3.44449	3.28834	14.48046	3.55338	1.51784	1.46316	3.79E+01	6.58E-01	8.74E-05	1.70E-01	6.67E+00	4.91E-01	2.62E+00	2.42E+00	4.61E+01
2441	495918.25	3859942.96	3.67869	1.44884	3.3959	3.33987	13.97117	3.49587	1.4944	1.44884	3.77E+01	6.52E-01	8.61E-05	1.73E-01	6.44E+00	4.83E-01	2.58E+00	2.40E+00	4.56E+01
2442	496018.25	3859942.96	3.64625	1.37571	3.55479	3.47426	13.2757	3.59431	1.41765	1.37571	3.74E+01	6.19E-01	9.02E-05	1.80E-01	6.12E+00	4.97E-01	2.45E+00	2.28E+00	4.50E+01
2443	496118.25	3859942.96	3.63885	1.40288	3.23978	3.36577	12.64051	3.40678	1.43553	1.40288	3.73E+01	6.31E-01	8.22E-05	1.74E-01	5.83E+00	4.71E-01	2.48E+00	2.32E+00	4.46E+01
2444	496218.25	3859942.96	3.63463	1.44806	2.64107	3.08025	11.71736	3.02788	1.47047	1.44806	3.73E+01	6.52E-01	6.70E-05	1.59E-01	5.40E+00	4.19E-01	2.54E+00	2.40E+00	4.40E+01
2445	496318.25	3859942.96	3.6155	1.44924	2.19174	2.73564	11.05298	2.56546	1.46407	1.44924	3.71E+01	6.52E-01	5.56E-05	1.42E-01	5.09E+00	3.55E-01	2.53E+00	2.40E+00	4.34E+01
2446	496418.25	3859942.96	3.66162	1.43784	2.04953	2.21678	10.81782	2.50789	1.4488	1.43784	3.75E+01	6.47E-01	5.20E-05	1.15E-01	4.99E+00	3.47E-01	2.50E+00	2.38E+00	4.38E+01
2447	496856.82	3858864.83	3.25458	0.66467	1.71023	1.57467	10.39026	5.23569	0.66886	0.66467	3.34E+01	2.99E-01	4.34E-05	8.15E-02	4.79E+00	7.24E-01	1.15E+00	1.10E+00	3.93E+01
2448	496956.82	3858864.83	3.24667	0.64125	1.70231	1.55933	10.18427	4.88923	0.64642	0.64125	3.33E+01	2.89E-01	4.32E-05	8.07E-02	4.69E+00	6.76E-01	1.12E+00	1.06E+00	3.91E+01
2449	497056.82	3858864.83	3.23894	0.63892	1.69408	1.54958	9.96878	4.54199	0.62312	0.63892	3.32E+01	2.88E-01	4.30E-05	8.02E-02	4.59E+00	6.28E-01	1.08E+00	1.06E+00	3.88E+01
2450	497156.82	3858864.83	3.23033	0.63824	1.68566	1.53385	9.73973	4.07706	0.60286	0.63824	3.31E+01	2.87E-01	4.28E-05	7.94E-02	4.49E+00	5.64E-01	1.04E+00	1.06E+00	3.85E+01
2451	497256.82	3858864.83	3.22486	0.63786	1.67666	1.53941	9.50852	3.76794	0.60292	0.63786	3.31E+01	2.87E-01	4.25E-05	7.97E-02	4.38E+00	5.21E-01	1.04E+00	1.06E+00	3.83E+01
2452	496856.82	3858964.83	3.17002	0.70124	1.79182	1.62473	10.87685	4.70412	0.70763	0.70124	3.25E+01	3.16E-01	4.55E-05	8.41E-02	5.01E+00	6.50E-01	1.22E+00	1.16E+00	3.86E+01
2453	496956.82	3858964.83	3.16059	0.68173	1.77731	1.60715	10.76019	4.38255	0.68769	0.68173	3.24E+01	3.07E-01	4.51E-05	8.32E-02	4.96E+00	6.06E-01	1.19E+00	1.13E+00	3.84E+01
2454	497056.82	3858964.83	3.15273	0.66093	1.76263	1.59651	10.62741	4.05398	0.66651	0.66093	3.23E+01	2.97E-01	4.47E-05	8.26E-02	4.90E+00	5.60E-01	1.15E+00	1.10E+00	3.82E+01
2455	497156.82	3858964.83	3.14488	0.65079	1.74796	1.58655	10.47973	3.70398	0.64433	0.65079	3.22E+01	2.93E-01	4.43E-05	8.21E-02	4.83E+00	5.12E-01	1.11E+00	1.08E+00	3.80E+01
2456	497256.82	3858964.83	3.14345	0.65073	1.73264	1.59054	10.32287	3.5163	0.62772	0.65073	3.22E+01	2.93E-01	4.40E-05	8.23E-02	4.76E+00	4.86E-01	1.08E+00	1.08E+00	3.79E+01
2457	496856.82	3859064.83	3.07888	0.73104	1.80499	1.70611	10.81822	3.92524	0.7386	0.73104	3.16E+01	3.29E-01	4.58E-05	8.83E-02	4.99E+00	5.43E-01	1.28E+00	1.21E+00	3.76E+01
2458	496956.82	3859064.83	3.07138	0.71516	1.7851	1.68799	10.80881	3.82615	0.72216	0.71516	3.15E+01	3.22E-01	4.53E-05	8.74E-02	4.98E+00	5.29E-01	1.25E+00	1.18E+00	3.75E+01
2459	497056.82	3859064.83	3.06479	0.69769	1.76539	1.66479	10.77849	3.73398	0.7042	0.69769	3.14E+01	3.14E-01	4.48E-05	8.62E-02	4.97E+00	5.16E-01	1.22E+00	1.16E+00	3.74E+01
2460	497156.82	3859064.83	3.05877	0.67883	1.74588	1.651	10.72973	3.64861	0.68663	0.67883	3.14E+01	3.06E-01	4.43E-05	8.55E-02	4.94E+00	5.04E-01	1.19E+00	1.12E+00	3.73E+01
2461	497256.82	3859064.83	3.06084	0.6662	1.72592	1.65194	10.67118	3.56941	0.66476	0.6662	3.14E+01	3.00E-01	4.38E-05	8.55E-02	4.92E+00	4.93E-01	1.15E+00	1.10E+00	3.72E+01
2462	496856.82	3859164.83	2.98781	0.75245	1.74139	1.8292	10.23433	4.48474	0.76156	0.75245	3.06E+01	3.39E-01	4.42E-05	9.47E-02	4.72E+00	6.20E-01	1.31E+00	1.25E+00	3.65E+01
2463	496956.82	3859164.83	2.98073	0.74044	1.71874	1.80072	10.32668	4.19307	0.74882	0.74044	3.06E+01	3.33E-01	4.36E-05	9.32E-02	4.76E+00	5.80E-01	1.29E+00	1.23E+00	3.64E+01
2464	497056.82	3859164.83	2.97702	0.72675	1.69629	1.77688	10.40586	3.93912	0.73448	0.72675	3.05E+01	3.27E-01	4.30E-05	9.20E-02	4.80E+00	5.45E-01	1.27E+00	1.20E+00	3.63E+01
2465	497156.82	3859164.83	2.97713	0.71155	1.67399	1.75772	10.46518	3.67121	0.71872	0.71155	3.05E+01	3.20E-01	4.25E-05	9.10E-02	4.82E+00	5.08E-01	1.24E+00	1.18E+00	3.63E+01
2466	497256.82	3859164.83	2.98321	0.69478	1.65182	1.74647	10.51218	3.18445	0.70146	0.69478	3.06E+01	3.13E-01	4.19E-05	9.04E-02	4.84E+00	4.40E-01	1.21E+00	1.15E+00	3.63E+01
2467	496856.82	3859264.83	2.90317	0.76661	1.60619	2.00227	9.20715	4.96288	0.77574	0.76661	2.98E+01	3.45E-01	4.07E-05	1.04E-01	4.24E+00	6.86E-01	1.34E+00	1.27E+00	3.52E+01
2468	496956.82	3859264.83	2.90168	0.75707	1.58321	1.97242	9.40093	4.50836	0.76941	0.75707	2.98E+01	3.41E-01	4.02E-05	1.02E-01	4.33E+00	6.23E-01	1.33E+00	1.25E+00	3.52E+01
2469	497056.82	3859264.83	2.90391	0.7476	1.5606	1.94183	9.57513	3.98483	0.75911	0.7476	2.98E+01	3.36E-01	3.96E-05	1.01E-01	4.41E+00	5.51E-01	1.31E+00	1.24E+00	3.52E+01
2470	497156.82	3859264.83	2.90557	0.74024	1.53859	1.91099	9.73278	3.78808	0.74695	0.74024	2.98E+01	3.33E-01	3.90E-05	9.89E-02	4.49E+00	5.24E-01	1.29E+00	1.23E+00	3.53E+01
2471	497256.82	3859264.83	2.91212	0.72301	1.51691	1.88447	9.87266	3.6066	0.73094	0.72301	2.99E+01	3.25E-01	3.85E-05	9.76E-02	4.55E+00	4.99E-01	1.26E+00	1.20E+00	3.54E+01
2472	497088.92	3858620.93	2.64466	0.61754	1.37508	1.4333	3.5944	2.9184	0.55241	0.61754	2.71E+01	2.78E-01	3.49E-05	7.42E-02	1.66E+00	4.03E-01	9.54E-01	1.02E+00	2.95E+01
2473	497138.92	3858620.93	2.6385	0.61725	1.37773	1.44489	3.53931	2.84558	0.58772	0.61725	2.71E+01	2.78E-01	3.50E-05	7.48E-02	1.63E+00	3.93E-01	1.01E+00	1.02E+00	2.94E+01
2474	497188.92	3858620.93	2.62952	0.61645	1.38042	1.40121	3.48268	2.65733	0.61498	0.61645	2.70E+01	2.77E-01	3.50E-05	7.25E-02	1.60E+00	3.67E-01	1.06E+00	1.02E+00	2.93E+01

2475	497238.92	3858620.93	2.62268	0.63915	1.38283	1.4008	3.42693	2.55045	0.64518	0.63915	2.69E+01	2.88E-01	3.51E-05	7.25E-02	1.58E+00	3.53E-01	1.11E+00	1.06E+00	2.92E+01
2476	497088.92	3858670.93	2.67449	0.62034	1.44623	1.41329	3.85316	2.8498	0.56035	0.62034	2.74E+01	2.79E-01	3.67E-05	7.32E-02	1.78E+00	3.94E-01	9.67E-01	1.03E+00	2.99E+01
2477	497138.92	3858670.93	2.66968	0.62066	1.4477	1.43053	3.80365	2.94834	0.56102	0.62066	2.74E+01	2.79E-01	3.67E-05	7.41E-02	1.75E+00	4.08E-01	9.69E-01	1.03E+00	2.98E+01
2478	497188.92	3858670.93	2.66251	0.61985	1.44919	1.42758	3.75232	2.84389	0.56461	0.61985	2.73E+01	2.79E-01	3.68E-05	7.39E-02	1.73E+00	3.93E-01	9.75E-01	1.03E+00	2.97E+01
2479	497238.92	3858670.93	2.65659	0.6197	1.45046	1.43233	3.70083	2.82995	0.59952	0.6197	2.72E+01	2.79E-01	3.68E-05	7.41E-02	1.71E+00	3.91E-01	1.04E+00	1.03E+00	2.97E+01
2480	497088.92	3858720.93	3.34316	0.62545	1.51699	1.4681	8.21857	3.35986	0.572	0.62545	3.43E+01	2.81E-01	3.85E-05	7.60E-02	3.79E+00	4.65E-01	9.88E-01	1.04E+00	3.88E+01
2481	497138.92	3858720.93	2.69835	0.62414	1.51755	1.41534	4.03577	3.02105	0.57099	0.62414	2.77E+01	2.81E-01	3.85E-05	7.33E-02	1.86E+00	4.18E-01	9.86E-01	1.03E+00	3.03E+01
2482	497188.92	3858720.93	2.69224	0.62376	1.51768	1.41592	3.98089	2.97869	0.57094	0.62376	2.76E+01	2.81E-01	3.85E-05	7.33E-02	1.83E+00	4.12E-01	9.86E-01	1.03E+00	3.02E+01
2483	497238.92	3858720.93	3.33315	0.62416	1.51739	1.4634	7.78858	3.24735	0.57166	0.62416	3.42E+01	2.81E-01	3.85E-05	7.58E-02	3.59E+00	4.49E-01	9.87E-01	1.03E+00	3.85E+01
2484	497088.92	3858770.93	3.30685	0.62941	1.58475	1.5087	8.87	3.79965	0.58234	0.62941	3.39E+01	2.83E-01	4.02E-05	7.81E-02	4.09E+00	5.25E-01	1.01E+00	1.04E+00	3.88E+01
2485	497138.92	3858770.93	3.30251	0.62908	1.58359	1.50281	8.73267	3.60597	0.58231	0.62908	3.39E+01	2.83E-01	4.02E-05	7.78E-02	4.02E+00	4.99E-01	1.01E+00	1.04E+00	3.87E+01
2486	497188.92	3858770.93	3.30043	0.62887	1.58211	1.51071	8.598	3.44546	0.58238	0.62887	3.38E+01	2.83E-01	4.01E-05	7.82E-02	3.96E+00	4.76E-01	1.01E+00	1.04E+00	3.86E+01
2487	497238.92	3858770.93	3.29778	0.62862	1.58056	1.51329	8.46135	3.52675	0.58242	0.62862	3.38E+01	2.83E-01	4.01E-05	7.83E-02	3.90E+00	4.88E-01	1.01E+00	1.04E+00	3.85E+01
2488	497396.65	3858622.63	3.3952	0.82429	1.39092	1.53165	5.95764	3.15233	0.83178	0.82429	3.48E+01	3.71E-01	3.53E-05	7.93E-02	2.75E+00	4.36E-01	1.44E+00	1.37E+00	3.85E+01
2489	497496.65	3858622.63	3.39565	0.93826	1.39384	1.57099	5.70039	3.35539	0.94654	0.93826	3.48E+01	4.22E-01	3.54E-05	8.13E-02	2.63E+00	4.64E-01	1.63E+00	1.55E+00	3.85E+01
2490	497596.65	3858622.63	3.40203	1.07769	1.3956	1.5896	5.45939	3.49411	1.08694	1.07769	3.49E+01	4.85E-01	3.54E-05	8.23E-02	2.52E+00	4.83E-01	1.88E+00	1.79E+00	3.85E+01
2491	497696.65	3858622.63	3.3994	1.16182	1.39779	1.59326	5.20949	3.58159	1.17149	1.16182	3.49E+01	5.23E-01	3.55E-05	8.25E-02	2.40E+00	4.95E-01	2.02E+00	1.93E+00	3.85E+01
2492	497796.65	3858622.63	3.40188	1.25247	1.39905	1.59803	4.97702	3.59076	1.26259	1.25247	3.49E+01	5.64E-01	3.55E-05	8.27E-02	2.29E+00	4.96E-01	2.18E+00	2.08E+00	3.84E+01
2493	497896.65	3858622.63	3.40501	1.32548	1.39987	1.60313	4.83841	3.46311	1.33589	1.32548	3.49E+01	5.97E-01	3.55E-05	8.30E-02	2.23E+00	4.79E-01	2.31E+00	2.20E+00	3.84E+01
2494	497396.65	3858722.63	3.33433	0.73915	1.51742	1.55902	7.38582	3.89923	0.74633	0.73915	3.42E+01	3.33E-01	3.85E-05	8.07E-02	3.40E+00	5.39E-01	1.29E+00	1.22E+00	3.86E+01
2495	497496.65	3858722.63	3.33475	0.85436	1.51548	1.57442	7.11523	3.94189	0.86246	0.85436	3.42E+01	3.85E-01	3.84E-05	8.15E-02	3.28E+00	5.45E-01	1.49E+00	1.42E+00	3.86E+01
2496	497596.65	3858722.63	3.33953	0.99337	1.51268	1.58474	6.85531	3.83604	1.00258	0.99337	3.42E+01	4.47E-01	3.84E-05	8.20E-02	3.16E+00	5.30E-01	1.73E+00	1.65E+00	3.85E+01
2497	497696.65	3858722.63	3.34099	1.10109	1.5099	1.58817	6.59492	3.57157	1.11105	1.10109	3.43E+01	4.96E-01	3.83E-05	8.22E-02	3.04E+00	4.94E-01	1.92E+00	1.82E+00	3.85E+01
2498	497796.65	3858722.63	3.34002	1.18577	1.50698	1.59042	6.33262	3.40027	1.1962	1.18577	3.42E+01	5.34E-01	3.82E-05	8.23E-02	2.92E+00	4.70E-01	2.07E+00	1.96E+00	3.84E+01
2499	497896.65	3858722.63	3.34105	1.26695	1.78086	1.59349	6.08197	3.18828	1.27781	1.26695	3.43E+01	5.70E-01	4.52E-05	8.25E-02	2.80E+00	4.41E-01	2.21E+00	2.10E+00	3.83E+01
2500	497396.65	3858822.63	3.26	0.63357	1.62708	1.56912	8.69816	3.96385	0.63897	0.63357	3.34E+01	2.85E-01	4.13E-05	8.12E-02	4.01E+00	5.48E-01	1.10E+00	1.05E+00	3.84E+01
2501	497496.65	3858822.63	3.26001	0.73675	1.61945	1.57748	8.44411	3.79581	0.74412	0.73675	3.34E+01	3.32E-01	4.11E-05	8.17E-02	3.89E+00	5.25E-01	1.28E+00	1.22E+00	3.83E+01
2502	497596.65	3858822.63	3.26884	0.8806	1.6108	1.58543	8.19734	3.47659	0.88924	0.8806	3.35E+01	3.96E-01	4.09E-05	8.21E-02	3.78E+00	4.81E-01	1.54E+00	1.46E+00	3.83E+01
2503	497696.65	3858822.63	3.26721	0.98339	1.64573	1.58605	7.93662	3.19735	0.99285	0.98339	3.35E+01	4.43E-01	4.17E-05	8.21E-02	3.66E+00	4.42E-01	1.71E+00	1.63E+00	3.82E+01
2504	497796.65	3858822.63	3.26829	1.07594	1.66577	1.5895	7.68031	2.87319	1.08606	1.07594	3.35E+01	4.84E-01	4.23E-05	8.23E-02	3.54E+00	3.97E-01	1.88E+00	1.78E+00	3.81E+01
2505	497896.65	3858822.63	3.27398	1.18342	1.68831	1.59327	7.42555	2.88222	1.19431	1.18342	3.36E+01	5.33E-01	4.28E-05	8.25E-02	3.42E+00	3.98E-01	2.06E+00	1.96E+00	3.81E+01
2506	497396.65	3858922.63	3.17824	0.64532	1.69756	1.58582	9.75188	3.45775	0.61867	0.64532	3.26E+01	2.90E-01	4.31E-05	8.21E-02	4.49E+00	4.78E-01	1.07E+00	1.07E+00	3.79E+01
2507	497496.65	3858922.63	3.18415	0.65822	1.68382	1.59139	9.54659	3.29624	0.66515	0.65822	3.27E+01	2.96E-01	4.27E-05	8.24E-02	4.40E+00	4.56E-01	1.15E+00	1.09E+00	3.79E+01
2508	497596.65	3858922.63	3.18045	0.73322	1.67093	1.58921	9.32391	3.28494	0.74077	0.73322	3.26E+01	3.30E-01	4.24E-05	8.23E-02	4.30E+00	4.54E-01	1.28E+00	1.21E+00	3.78E+01
2509	497696.65	3858922.63	3.19252	0.86941	1.65701	1.59553	9.10907	3.2558	0.8782	0.86941	3.27E+01	3.91E-01	4.20E-05	8.26E-02	4.20E+00	4.50E-01	1.52E+00	1.44E+00	3.79E+01
2510	497796.65	3858922.63	3.19612	0.97637	1.64383	1.59596	8.88077	3.23065	0.98605	0.97637	3.28E+01	4.39E-01	4.17E-05	8.26E-02	4.09E+00	4.47E-01	1.70E+00	1.62E+00	3.79E+01
2511	497896.65	3858922.63	3.21009	1.09159	1.63036	1.62805	8.66048	3.16301	1.10222	1.09159	3.29E+01	4.91E-01	4.14E-05	8.43E-02	3.99E+00	4.37E-01	1.90E+00	1.81E+00	3.80E+01
2512	497364.44	3858201.52	2.26244	0.90141	1.09435	1.99875	4.88333	3.31073	0.90698	0.90141	2.32E+01	4.06E-01	2.78E-05	1.03E-01	2.25E+00	4.58E-01	1.57E+00	1.49E+00	2.65E+01
2513	497414.44	3858201.52	2.25627	0.92749	1.09596	1.99096	4.87873	3.04797	0.93312	0.92749	2.31E+01	4.17E-01	2.78E-05	1.03E-01	2.25E+00	4.21E-01	1.61E+00	1.54E+00	2.64E+01
2514	497464.44	3858201.52	2.24854	0.94841	1.09757	1.98327	4.87319	3.02493	0.95409	0.94841	2.31E+01	4.27E-01	2.78E-05	1.03E-01	2.25E+00	4.18E-01	1.65E+00	1.57E+00	2.63E+01
2515	497514.44	3858201.52	2.23856	0.95555	1.09924	1.97569	4.86643	3.06128	0.96121	0.95555	2.30E+01	4.30E-01	2.79E-05	1.02E-01	2.24E+00	4.23E-01	1.66E+00	1.58E+00	2.62E+01
2516	497564.44	3858201.52	2.22884	0.9457	1.10091	1.9682	4.85964	3.36979	0.95124	0.9457	2.29E+01	4.26E-01	2.79E-05	1.02E-01	2.24E+00	4.66E-01	1.64E+00	1.57E+00	2.62E+01
2517	497614.44	3858201.52	2.21989	0.94525	1.10255	1.96081	4.85307	3.405	0.95073	0.94525	2.28E+01	4.25E-01	2.80E-05	1.02E-01	2.24E+00	4.71E-01	1.64E+00	1.57E+00	2.61E+01
2518	497364.44	3858251.52	2.31161	0.95266	1.09408	1.88857	4.77304	3.07554	0.95881	0.95266	2.37E+01	4.29E-01	2.78E-05	9.78E-02	2.20E+00	4.25E-01	1.66E+00	1.58E+00	2.69E+01
2519	497414.44	3858251.52	2.30513	0.99096	1.09642	1.88198	4.77208	3.10968	0.99724	0.99096	2.36E+01	4.46E-01	2.78E-05	9.74E-02	2.20E+00	4.30E-01	1.72E+00	1.64E+00	2.69E+01
2520	497464.44	3858251.52	2.29513	0.98081	1.09885	1.87549	4.76926	2.88416	0.98693	0.98081	2.35E+01	4.41E-01	2.79E-05	9.71E-02	2.20E+00	3.99E-01	1.70E+00	1.63E+00	2.67E+01
2521	497514.44	3858251.52	2.28477	0.96448	1.10127	1.86907	4.76606	2.60759	0.9704	0.96448	2.34E+01	4.34E-01	2.79E-05	9.68E-02	2.20E+00	3.61E-01	1.68E+00	1.60E+00	2.66E+01
2522	497564.44	3858251.52	2.27547	0.96065	1.10365	1.86274	4.76326	2.50071	0.96645	0.96065	2.33E+01	4.32E-01	2.80E-05	9.64E-02	2.20E+00	3.46E-01	1.67E+00	1.59E+00	2.65E+01
2523	497614.44	3858251.52	2.26607	0.95502	1.10602	1.8565	4.76008	2.79742	0.96072	0.95502	2.32E+01	4.30E-01	2.81E-05	9.61E-02	2.19E+00	3.87E-01	1.66E+00	1.58E+00	2.64E+01
2524	497364.44	3858301.52	2.35813	0.96544	1.10381	1.78232	4.62898	2.84281	0.97197	0.96544	2.42E+01	4.34E-01	2.80E-05	9.23E-02	2.13E+00	3.93E-01	1.68E+00	1.60E+00	2.73E+01
2525	497414.44	3858301.52	2.35038	0.99734	1.10683	1.77702	4.63149	2.81009	1.00397	0.99734	2.41E+01	4.49E-01	2.81E-05	9.20E-02	2.13E+00	3.89E-01	1.73E+00	1.65E+00	2.72E+01
2526	497464.44	3858301.52	2.34023	0.98667	1.10989	1.77178	4.63248	2.55513	0.9931	0.98667	2.40E+01	4.44E-01	2.82E-05	9.17E-02	2.13E+00	3.53E-01	1.71E+00	1.63E+00	2.71E+01
2527	497514.44	3858301.52	2.33067	0.98148	1.1129	1.76661	4.63362	2.43187	0.98776	0.98148	2.39E+01	4.42E-01	2.82E-05	9.15E-02	2.14E+00	3.36E-01	1.71E+00	1.63E+00	2.70E+01
2528	497564.44	3858301.52	2.32054	0.96599	1.1159	1.7615	4.63415	2.43165	0.97206	0.96599	2.38E+01	4.35E-01	2.83E-05	9.12E-02	2.14E+00	3.36E-01	1.68E+00	1.60E+00	2.69E+01
2529	497614.44	3858301.52	2.31145	0.96366	1.11883	1.75646	4.63469	2.42666	0.96961	0.96366	2.37E+01	4.34E-01	2.84E-05	9.09E-02	2.14E+00	3.35E-01	1.67E+00	1.60E+00	2.68E+01
2530	497364.44	3858351.52	2.40207	0.97178	1.12403	1.68512	4.45484	2.61973	0.97871	0.97178	2.46E+01	4.37E-01	2.85E-05	8.72E-02	2.05E+00	3.62E-01	1.69E+00	1.61E+00	2.77E+01
2531	497414.44	3858351.52	2.39286	0.97694	1.12758	1.68104	4.46031	2.46461	0.98376	0.97694	2.45E+01	4.40E-01	2.86E-05	8.70E-02	2.06E+00	3.41E-01	1.70E+00	1.62E+00	2.75E+01
2532	497464.44	3858351.52	2.38436	0.98838	1.13104	1.67702	4.46594	2.44375	0.99514	0.98838	2.44E+01	4.45E-01	2.87E-05	8.68E-02	2.06E+00	3.38E-01	1.72E+00	1.64E+00	2.75E+01
2533	497514.44	3858351.52	2.37538	0.99117	1.13447	1.67304	4.471	2.41027	0.99781	0.99117	2.44E+01	4.46E-01	2.88E-05	8.66E-02	2.06E+00	3.33E-01	1.72E+00	1.64E+00	2.74E+01

2534	497564.44	3858351.52	2.36509	0.9746	1.1379	1.66911	4.47496	2.41169	0.981	0.9746	2.43E+01	4.39E-01	2.89E-05	8.64E-02	2.06E+00	3.33E-01	1.69E+00	1.61E+00	2.73E+01
2535	497614.44	3858351.52	2.35629	0.9781	1.1412	1.66522	4.47935	2.40675	0.9844	0.9781	2.42E+01	4.40E-01	2.89E-05	8.62E-02	2.06E+00	3.33E-01	1.70E+00	1.62E+00	2.72E+01
2536	497364.44	3858401.52	2.44398	0.93064	1.15469	1.60048	4.25431	2.40337	0.9376	0.93064	2.51E+01	4.19E-01	2.93E-05	8.29E-02	1.96E+00	3.32E-01	1.62E+00	1.54E+00	2.79E+01
2537	497414.44	3858401.52	2.43453	0.95496	1.15853	1.5975	4.26338	2.40239	0.96197	0.95496	2.50E+01	4.30E-01	2.94E-05	8.27E-02	1.96E+00	3.32E-01	1.66E+00	1.58E+00	2.79E+01
2538	497464.44	3858401.52	2.42561	0.96142	1.16227	1.59455	4.27239	2.39986	0.96832	0.96142	2.49E+01	4.33E-01	2.95E-05	8.25E-02	1.97E+00	3.32E-01	1.67E+00	1.59E+00	2.78E+01
2539	497514.44	3858401.52	2.41727	0.97285	1.16591	1.59163	4.28133	2.39554	0.97969	0.97285	2.48E+01	4.38E-01	2.96E-05	8.24E-02	1.97E+00	3.31E-01	1.69E+00	1.61E+00	2.77E+01
2540	497564.44	3858401.52	2.41108	1.01145	1.16935	1.58874	4.29103	2.38379	1.01843	1.01145	2.47E+01	4.55E-01	2.97E-05	8.22E-02	1.98E+00	3.30E-01	1.76E+00	1.68E+00	2.77E+01
2541	497614.44	3858401.52	2.40601	1.04393	1.1726	1.58593	4.30072	2.44405	1.051	1.04393	2.47E+01	4.70E-01	2.97E-05	8.21E-02	1.98E+00	3.38E-01	1.81E+00	1.73E+00	2.76E+01
2542	493478.11	3860497.94	3.7061	3.43995	7.86705	7.6823	18.2895	11.88062	3.25498	3.43995	3.80E+01	1.55E+00	2.00E-04	3.98E-01	8.43E+00	1.64E+00	5.62E+00	5.70E+00	4.99E+01
2543	493528.11	3860497.94	3.68044	3.35658	7.82621	7.35289	17.98456	11.19522	3.15893	3.35658	3.77E+01	1.51E+00	1.99E-04	3.81E-01	8.29E+00	1.55E+00	5.45E+00	5.56E+00	4.94E+01
2544	493478.11	3860547.94	3.7017	3.57683	7.36049	7.9915	18.19022	14.64818	3.4321	3.57683	3.80E+01	1.61E+00	1.87E-04	4.14E-01	8.38E+00	2.03E+00	5.93E+00	5.93E+00	5.04E+01
2545	493528.11	3860547.94	3.67197	3.50526	7.37206	7.77111	17.9755	13.6147	3.35125	3.50526	3.77E+01	1.58E+00	1.87E-04	4.02E-01	8.28E+00	1.88E+00	5.79E+00	5.81E+00	4.98E+01
2546	493478.11	3860597.94	3.78137	3.65403	7.46948	7.6564	17.9121	23.49932	3.55128	3.65403	3.88E+01	1.64E+00	1.89E-04	3.96E-01	8.25E+00	3.25E+00	6.13E+00	6.05E+00	5.24E+01
2547	493528.11	3860597.94	3.6748	3.6007	7.29436	7.61709	17.81079	19.62872	3.48607	3.6007	3.77E+01	1.62E+00	1.85E-04	3.94E-01	8.21E+00	2.71E+00	6.02E+00	5.97E+00	5.07E+01
2548	493561.88	3860524.64	3.6605	3.38388	7.61458	7.44375	17.81804	11.83922	3.20162	3.38388	3.75E+01	1.52E+00	1.93E-04	3.85E-01	8.21E+00	1.64E+00	5.53E+00	5.61E+00	4.92E+01
2549	493591.88	3860524.64	3.65236	3.33283	7.64505	7.27247	17.661	11.41868	3.14346	3.33283	3.75E+01	1.50E+00	1.94E-04	3.76E-01	8.14E+00	1.58E+00	5.43E+00	5.52E+00	4.90E+01
2550	493561.88	3860554.64	3.65543	3.47171	7.32702	7.63955	17.81673	13.38926	3.31462	3.47171	3.75E+01	1.56E+00	1.86E-04	3.95E-01	8.21E+00	1.85E+00	5.72E+00	5.75E+00	4.95E+01
2551	493591.88	3860554.64	3.65109	3.41198	7.40685	7.51221	17.71734	12.82711	3.25044	3.41198	3.74E+01	1.54E+00	1.88E-04	3.89E-01	8.16E+00	1.77E+00	5.61E+00	5.65E+00	4.93E+01
2552	492880.5	3860293.11	4.1402	3.87217	8.97159	10.21101	20.33798	11.41231	3.65195	3.87217	4.25E+01	1.74E+00	2.28E-04	5.29E-01	9.37E+00	1.58E+00	6.31E+00	6.42E+00	5.56E+01
2553	492930.5	3860293.11	4.03644	3.70183	9.03172	9.97635	20.47526	10.82056	3.47606	3.70183	4.14E+01	1.67E+00	2.29E-04	5.16E-01	9.44E+00	1.50E+00	6.00E+00	6.13E+00	5.44E+01
2554	492980.5	3860293.11	3.9358	3.52217	8.93929	9.97298	20.5372	10.53865	3.34794	3.52217	4.04E+01	1.59E+00	2.27E-04	5.16E-01	9.46E+00	1.46E+00	5.78E+00	5.84E+00	5.33E+01
2555	493030.5	3860293.11	3.95825	3.65947	8.5045	10.02	20.73659	10.00681	3.65657	3.65947	4.06E+01	1.65E+00	2.16E-04	5.19E-01	9.56E+00	1.38E+00	6.31E+00	6.06E+00	5.39E+01
2556	493080.5	3860293.11	4.01991	3.56983	8.0092	9.98836	20.85185	8.52321	3.5789	3.56983	4.12E+01	1.61E+00	2.03E-04	5.17E-01	9.61E+00	1.18E+00	6.18E+00	5.91E+00	5.44E+01
2557	493130.5	3860293.11	3.94223	3.49036	7.99118	9.40708	20.36564	9.15795	3.48715	3.49036	4.04E+01	1.57E+00	2.03E-04	4.87E-01	9.39E+00	1.27E+00	6.02E+00	5.78E+00	5.34E+01
2558	493180.5	3860293.11	3.87721	3.30119	7.96575	8.69985	19.84694	9.31688	3.28504	3.30119	3.98E+01	1.49E+00	2.02E-04	4.50E-01	9.15E+00	1.29E+00	5.67E+00	5.47E+00	5.23E+01
2559	493230.5	3860293.11	3.84621	3.1802	7.79282	8.25024	19.40691	9.09431	3.15668	3.1802	3.94E+01	1.43E+00	1.98E-04	4.27E-01	8.94E+00	1.26E+00	5.45E+00	5.27E+00	5.17E+01
2560	493280.5	3860293.11	3.85575	3.18858	7.40809	8.13049	19.07236	8.62193	3.17085	3.18858	3.95E+01	1.44E+00	1.88E-04	4.21E-01	8.79E+00	1.19E+00	5.47E+00	5.28E+00	5.16E+01
2561	493330.5	3860293.11	3.84528	3.10289	7.24811	7.87705	18.60842	8.28427	3.08319	3.10289	3.94E+01	1.40E+00	1.84E-04	4.08E-01	8.58E+00	1.15E+00	5.32E+00	5.14E+00	5.11E+01
2562	493380.5	3860293.11	3.82575	3.01383	7.33083	7.58023	18.05983	8.03829	2.98975	3.01383	3.92E+01	1.36E+00	1.86E-04	3.92E-01	8.32E+00	1.11E+00	5.16E+00	4.99E+00	5.06E+01
2563	492880.5	3860343.11	4.29541	4.19421	8.53413	10.57014	19.5405	13.61511	4.02193	4.19421	4.40E+01	1.89E+00	2.16E-04	5.47E-01	9.01E+00	1.88E+00	6.94E+00	6.95E+00	5.74E+01
2564	492930.5	3860343.11	4.18599	4.04386	8.65024	10.06628	19.78372	12.84239	3.8582	4.04386	4.29E+01	1.82E+00	2.19E-04	5.21E-01	9.12E+00	1.78E+00	6.66E+00	6.70E+00	5.61E+01
2565	492980.5	3860343.11	4.1331	3.80329	8.95528	9.88329	20.25827	11.55343	3.64384	3.80329	4.24E+01	1.71E+00	2.27E-04	5.12E-01	9.34E+00	1.60E+00	6.29E+00	6.30E+00	5.55E+01
2566	493030.5	3860343.11	4.01891	3.6816	8.86157	9.75345	20.3021	11.13978	3.52145	3.6816	4.12E+01	1.66E+00	2.25E-04	5.05E-01	9.36E+00	1.54E+00	6.08E+00	6.10E+00	5.42E+01
2567	493080.5	3860343.11	3.97456	3.88963	8.54218	10.0832	20.54306	10.07261	3.73078	3.88963	4.08E+01	1.75E+00	2.17E-04	5.22E-01	9.47E+00	1.39E+00	6.44E+00	6.44E+00	5.39E+01
2568	493130.5	3860343.11	3.93524	3.65624	8.46553	9.76046	20.32546	10.06639	3.65144	3.65624	4.04E+01	1.65E+00	2.15E-04	5.05E-01	9.37E+00	1.39E+00	6.30E+00	6.06E+00	5.35E+01
2569	493180.5	3860343.11	3.86431	3.35677	8.48806	9.12253	19.89701	10.20989	3.3057	3.35677	3.96E+01	1.51E+00	2.15E-04	4.72E-01	9.17E+00	1.41E+00	5.71E+00	5.56E+00	5.23E+01
2570	493230.5	3860343.11	3.83866	3.24014	8.34705	8.81189	19.5921	9.92536	3.19524	3.24014	3.94E+01	1.46E+00	2.12E-04	4.56E-01	9.03E+00	1.37E+00	5.52E+00	5.37E+00	5.18E+01
2571	493280.5	3860343.11	3.84885	3.34338	8.05175	8.80551	19.38477	9.42046	3.32745	3.34338	3.95E+01	1.50E+00	2.04E-04	4.56E-01	8.93E+00	1.30E+00	5.74E+00	5.54E+00	5.19E+01
2572	493330.5	3860343.11	3.84682	3.31016	7.78303	8.67049	19.05893	8.97898	3.29778	3.31016	3.94E+01	1.49E+00	1.97E-04	4.49E-01	8.78E+00	1.24E+00	5.69E+00	5.48E+00	5.16E+01
2573	493380.5	3860343.11	3.82651	3.2302	7.57554	8.37553	18.60129	8.71003	3.21674	3.2302	3.92E+01	1.45E+00	1.92E-04	4.34E-01	8.57E+00	1.20E+00	5.55E+00	5.35E+00	5.11E+01
2574	492880.5	3860393.11	4.45113	4.445	8.51476	11.12463	18.55017	17.64116	4.31347	4.445	4.56E+01	2.00E+00	2.16E-04	5.76E-01	8.55E+00	2.44E+00	7.45E+00	7.37E+00	5.93E+01
2575	492930.5	3860393.11	4.34978	4.28886	8.36954	10.76388	18.96927	15.90166	4.14852	4.28886	4.46E+01	1.93E+00	2.12E-04	5.57E-01	8.74E+00	2.20E+00	7.16E+00	7.11E+00	5.81E+01
2576	492980.5	3860393.11	4.26483	4.11824	8.4694	10.33551	19.39734	14.08423	3.96417	4.11824	4.37E+01	1.85E+00	2.15E-04	5.35E-01	8.94E+00	1.95E+00	6.84E+00	6.82E+00	5.70E+01
2577	493030.5	3860393.11	4.16866	3.95575	8.74208	9.90617	19.67875	12.66807	3.80177	3.95575	4.27E+01	1.78E+00	2.22E-04	5.13E-01	9.07E+00	1.75E+00	6.56E+00	6.55E+00	5.59E+01
2578	493080.5	3860393.11	4.11038	4.06859	8.59268	10.18312	20.06394	11.61619	3.9542	4.06859	4.21E+01	1.83E+00	2.18E-04	5.27E-01	9.25E+00	1.61E+00	6.83E+00	6.74E+00	5.54E+01
2579	493130.5	3860393.11	3.96925	3.78615	8.63153	9.39344	19.94111	11.56179	3.63769	3.78615	4.07E+01	1.70E+00	2.19E-04	4.86E-01	9.19E+00	1.60E+00	6.28E+00	6.27E+00	5.37E+01
2580	493180.5	3860393.11	3.84263	3.58958	8.66766	8.68069	19.66672	10.79124	3.40261	3.58958	3.94E+01	1.62E+00	2.20E-04	4.49E-01	9.06E+00	1.49E+00	5.87E+00	5.95E+00	5.19E+01
2581	493230.5	3860393.11	3.8263	3.46482	8.5821	8.32396	19.53671	10.32882	3.27231	3.46482	3.92E+01	1.56E+00	2.18E-04	4.31E-01	9.00E+00	1.43E+00	5.65E+00	5.74E+00	5.16E+01
2582	493280.5	3860393.11	3.83944	3.39875	8.39671	8.60147	19.47917	10.31777	3.33966	3.39875	3.94E+01	1.53E+00	2.13E-04	4.45E-01	8.98E+00	1.43E+00	5.77E+00	5.63E+00	5.19E+01
2583	493330.5	3860393.11	3.83819	3.40037	8.21728	8.63413	19.27253	9.77499	3.38191	3.40037	3.94E+01	1.53E+00	2.08E-04	4.47E-01	8.88E+00	1.35E+00	5.84E+00	5.63E+00	5.18E+01
2584	493380.5	3860393.11	3.82275	3.34285	8.05991	8.53927	18.94264	9.40913	3.32633	3.34285	3.92E+01	1.50E+00	2.04E-04	4.42E-01	8.73E+00	1.30E+00	5.74E+00	5.54E+00	5.14E+01
2585	492880.5	3860443.11	4.61917	4.59556	8.68131	10.22922	17.45812	37.56664	4.50106	4.59556	4.74E+01	2.07E+00	2.20E-04	5.30E-01	8.05E+00	5.19E+00	7.77E+00	7.61E+00	6.34E+01
2586	492930.5	3860443.11	4.49858	4.47524	8.54481	10.29477	17.89196	27.57924	4.37443	4.47524	4.61E+01	2.01E+00	2.17E-04	5.33E-01	8.25E+00	3.81E+00	7.55E+00	7.42E+00	6.09E+01
2587	492980.5	3860443.11	4.40399	4.31988	8.47792	10.29427	18.38672	22.2812	4.20348	4.31988	4.52E+01	1.94E+00	2.15E-04	5.33E-01	8.47E+00	3.08E+00	7.26E+00	7.16E+00	5.93E+01
2588	493030.5	3860443.11	4.31052	4.17973	8.38827	10.14758	18.80826	18.58228	4.05163	4.17973	4.42E+01	1.88E+00	2.13E-04	5.25E-01	8.67E+00	2.57E+00	7.00E+00	6.93E+00	5.79E+01
2589	493080.5	3860443.11	4.20034	4.05977	8.20938	9.88402	19.05845	16.10914	3.921	4.05977	4.31E+01	1.83E+00	2.08E-04	5.12E-01	8.78E+00	2.23E+00	6.77E+00	6.73E+00	5.65E+01
2590	493130.5	3860443.11	4.09158	3.94055	8.20318	9.55704	19.23766	14.64779	3.79326	3.94055	4.20E+01	1.77E+00	2.08E-04	4.95E-01	8.87E+00	2.03E+00	6.55E+00	6.53E+00	5.51E+01
2591	493180.5	3860443.11	3.95011	3.85846	8.04004	9.16445	19.14001	13.79296	3.69888	3.85846	4.05E+01	1.74E+00	2.04E-04	4.74E-01	8.82E+00	1.91E+00	6.39E+00	6.39E+00	5.34E+01
2592	493230.5	3860443.11	3.86828	3.70871	8.35957	8.80767	19.30338	12.78925	3.54349	3.70871	3.97E+01	1.67E+00	2.12E-04	4.56E-01	8.90E+00	1.77E+00	6.12E+00	6.15E+00	5.24E+01

2593	493280.5	3860443.11	3.82039	3.57586	8.41341	8.63065	19.30229	11.71407	3.41413	3.57586	3.92E+01	1.61E+00	2.13E-04	4.47E-01	8.90E+00	1.62E+00	5.89E+00	5.92E+00	5.17E+01
2594	493330.5	3860443.11	3.83125	3.5764	8.3145	8.46085	19.28139	10.97752	3.43598	3.5764	3.93E+01	1.61E+00	2.11E-04	4.38E-01	8.89E+00	1.52E+00	5.93E+00	5.93E+00	5.17E+01
2595	493380.5	3860443.11	3.80336	3.41768	8.27068	8.01054	19.01817	10.66813	3.25702	3.41768	3.90E+01	1.54E+00	2.10E-04	4.15E-01	8.76E+00	1.47E+00	5.62E+00	5.66E+00	5.12E+01
2596	493180.5	3860493.11	4.11352	3.99398	8.02857	9.20991	18.59355	19.70503	3.87233	3.99398	4.22E+01	1.80E+00	2.04E-04	4.77E-01	8.57E+00	2.72E+00	6.69E+00	6.62E+00	5.58E+01
2597	493230.5	3860493.11	4.01617	3.88453	7.91087	9.06204	18.79961	16.79508	3.75118	3.88453	4.12E+01	1.75E+00	2.01E-04	4.69E-01	8.66E+00	2.32E+00	6.48E+00	6.44E+00	5.44E+01
2598	493280.5	3860493.11	3.92229	3.78003	7.92459	8.8456	18.94152	15.41213	3.63764	3.78003	4.02E+01	1.70E+00	2.01E-04	4.58E-01	8.73E+00	2.13E+00	6.28E+00	6.26E+00	5.33E+01
2599	493330.5	3860493.11	3.82124	3.6687	8.09052	8.64594	18.9646	14.12688	3.52477	3.6687	3.92E+01	1.65E+00	2.05E-04	4.48E-01	8.74E+00	1.95E+00	6.09E+00	6.08E+00	5.20E+01
2600	493380.5	3860493.11	3.77463	3.57342	8.07759	8.29893	18.82354	13.3256	3.41576	3.57342	3.87E+01	1.61E+00	2.05E-04	4.30E-01	8.67E+00	1.84E+00	5.90E+00	5.92E+00	5.12E+01
2601	493330.5	3860543.11	3.97081	3.79442	7.86143	8.45062	18.524	20.65891	3.67629	3.79442	4.07E+01	1.71E+00	1.99E-04	4.37E-01	8.54E+00	2.86E+00	6.35E+00	6.29E+00	5.43E+01
2602	493380.5	3860543.11	3.84989	3.71057	7.66652	8.3455	18.49082	17.56569	3.58371	3.71057	3.95E+01	1.67E+00	1.94E-04	4.32E-01	8.52E+00	2.43E+00	6.19E+00	6.15E+00	5.26E+01
2603	494135.94	3860876.85	3.43944	2.99199	6.12278	5.38423	15.39575	20.89408	2.93939	2.99199	3.53E+01	1.35E+00	1.55E-04	2.79E-01	7.09E+00	2.89E+00	5.07E+00	4.96E+00	4.70E+01
2604	494185.94	3860876.85	3.41636	2.96527	6.07988	5.25456	15.1864	26.06093	2.91026	2.96527	3.50E+01	1.33E+00	1.54E-04	2.72E-01	7.00E+00	3.60E+00	5.02E+00	4.91E+00	4.74E+01
2605	494135.94	3860926.85	3.44951	3.12619	6.0106	5.2401	15.29227	13.83089	2.87865	3.12619	3.54E+01	1.41E+00	1.52E-04	2.71E-01	7.05E+00	1.91E+00	4.97E+00	5.18E+00	4.58E+01
2606	494185.94	3860926.85	3.42596	3.04733	5.90359	5.21575	15.17731	15.12739	2.85945	3.04733	3.51E+01	1.37E+00	1.50E-04	2.70E-01	6.99E+00	2.09E+00	4.94E+00	5.05E+00	4.57E+01
2607	494135.94	3860976.85	3.4997	3.22145	6.34087	5.15682	15.06701	10.98395	2.88482	3.22145	3.59E+01	1.45E+00	1.61E-04	2.67E-01	6.94E+00	1.52E+00	4.98E+00	5.34E+00	4.57E+01
2608	494185.94	3860976.85	3.44234	3.15444	6.15479	4.92182	15.03662	11.67662	2.79973	3.15444	3.53E+01	1.42E+00	1.56E-04	2.55E-01	6.93E+00	1.61E+00	4.83E+00	5.23E+00	4.51E+01
2609	494135.94	3861026.85	3.63858	3.26407	6.62609	5.51835	14.69914	9.25269	2.98571	3.26407	3.73E+01	1.47E+00	1.68E-04	2.86E-01	6.77E+00	1.28E+00	5.15E+00	5.41E+00	4.69E+01
2610	494185.94	3861026.85	3.54059	3.21335	6.45369	5.25087	14.75334	9.68621	2.91654	3.21335	3.63E+01	1.45E+00	1.64E-04	2.72E-01	6.80E+00	1.34E+00	5.04E+00	5.32E+00	4.59E+01
2611	494135.94	3861076.85	3.78249	3.33685	6.86261	5.88133	14.22317	8.17061	3.08012	3.33685	3.88E+01	1.50E+00	1.74E-04	3.04E-01	6.55E+00	1.13E+00	5.32E+00	5.53E+00	4.81E+01
2612	494185.94	3861076.85	3.68115	3.22161	6.70453	5.65906	14.34675	8.45134	3.01452	3.22161	3.77E+01	1.45E+00	1.70E-04	2.93E-01	6.61E+00	1.17E+00	5.20E+00	5.34E+00	4.71E+01
2613	490360.04	3858710.04	5.56573	2.72054	21.17488	12.35984	46.33791	7.43535	2.64333	2.72054	5.71E+01	1.22E+00	5.37E-04	6.40E-01	2.14E+01	1.03E+00	4.56E+00	4.51E+00	8.14E+01
2614	490410.04	3858710.04	5.55768	2.62363	23.14855	12.48248	45.18042	7.18983	2.61283	2.62363	5.70E+01	1.18E+00	5.87E-04	6.46E-01	2.08E+01	9.94E-01	4.51E+00	4.35E+00	8.08E+01
2615	490460.04	3858710.04	5.5708	2.48013	23.05046	12.05882	43.9109	6.82591	2.58219	2.48013	5.71E+01	1.12E+00	5.85E-04	6.24E-01	2.02E+01	9.44E-01	4.46E+00	4.11E+00	8.04E+01
2616	490510.04	3858710.04	5.56639	2.38539	18.97277	11.27345	42.15857	6.58928	2.55336	2.38539	5.71E+01	1.07E+00	4.81E-04	5.84E-01	1.94E+01	9.11E-01	4.41E+00	3.95E+00	7.95E+01
2617	490560.04	3858710.04	5.55686	2.30827	15.3566	11.12173	40.15294	6.39871	2.524	2.30827	5.70E+01	1.04E+00	3.90E-04	5.76E-01	1.85E+01	8.85E-01	4.36E+00	3.82E+00	7.85E+01
2618	490610.04	3858710.04	5.55211	2.22408	18.31131	13.05553	38.01678	6.18939	2.48875	2.22408	5.69E+01	1.00E+00	4.65E-04	6.76E-01	1.75E+01	8.56E-01	4.30E+00	3.69E+00	7.76E+01
2619	490660.04	3858710.04	5.52842	2.18865	18.3819	13.17401	35.66991	6.10639	2.45984	2.18865	5.67E+01	9.85E-01	4.66E-04	6.82E-01	1.64E+01	8.44E-01	4.25E+00	3.63E+00	7.63E+01
2620	490710.04	3858710.04	5.5388	2.07771	16.3523	13.54813	33.42667	5.8216	2.42677	2.07771	5.68E+01	9.35E-01	4.15E-04	7.01E-01	1.54E+01	8.05E-01	4.19E+00	3.44E+00	7.54E+01
2621	490760.04	3858710.04	5.54173	1.98741	16.14144	11.98134	31.10185	5.58895	2.39654	1.98741	5.68E+01	8.94E-01	4.09E-04	6.20E-01	1.43E+01	7.73E-01	4.14E+00	3.29E+00	7.43E+01
2622	490810.04	3858710.04	5.54602	1.89876	14.00448	10.4592	29.00206	5.35804	2.36954	1.89876	5.69E+01	8.55E-01	3.55E-04	5.41E-01	1.34E+01	7.41E-01	4.09E+00	3.15E+00	7.33E+01
2623	490860.04	3858710.04	5.56514	1.7805	14.62856	10.19036	28.95613	5.04421	2.34761	1.7805	5.71E+01	8.01E-01	3.71E-04	5.28E-01	1.33E+01	6.97E-01	4.05E+00	2.95E+00	7.35E+01
2624	490360.04	3858760.04	5.49232	2.80221	24.41669	11.56012	46.56157	7.42972	2.65912	2.80221	5.63E+01	1.26E+00	6.19E-04	5.98E-01	2.15E+01	1.03E+00	4.59E+00	4.64E+00	8.06E+01
2625	490410.04	3858760.04	5.49158	2.68953	24.07925	11.07382	46.05028	7.16291	2.62717	2.68953	5.63E+01	1.21E+00	6.11E-04	5.73E-01	2.12E+01	9.90E-01	4.54E+00	4.46E+00	8.04E+01
2626	490460.04	3858760.04	5.49886	2.56249	19.83757	10.41826	45.23226	6.85714	2.59572	2.56249	5.64E+01	1.15E+00	5.03E-04	5.39E-01	2.08E+01	9.48E-01	4.48E+00	4.25E+00	8.01E+01
2627	490510.04	3858760.04	5.51113	2.42757	16.70548	10.7862	44.09219	6.5294	2.56602	2.42757	5.65E+01	1.09E+00	4.24E-04	5.58E-01	2.03E+01	9.03E-01	4.43E+00	4.02E+00	7.98E+01
2628	490560.04	3858760.04	5.51256	2.32727	19.50873	11.88414	42.55324	6.29119	2.5323	2.32727	5.65E+01	1.05E+00	4.95E-04	6.15E-01	1.96E+01	8.70E-01	4.37E+00	3.86E+00	7.92E+01
2629	490610.04	3858760.04	5.51989	2.21736	19.00724	12.58697	40.81109	6.02541	2.49565	2.21736	5.66E+01	9.98E-01	4.82E-04	6.52E-01	1.88E+01	8.33E-01	4.31E+00	3.67E+00	7.85E+01
2630	490660.04	3858760.04	5.52263	2.12448	17.71483	12.66527	38.84788	5.79858	2.46342	2.12448	5.66E+01	9.56E-01	4.49E-04	6.56E-01	1.79E+01	8.02E-01	4.25E+00	3.52E+00	7.77E+01
2631	490710.04	3858760.04	5.52733	2.03139	16.57117	12.10816	36.74839	5.56883	2.43292	2.03139	5.67E+01	9.14E-01	4.20E-04	6.27E-01	1.69E+01	7.70E-01	4.20E+00	3.37E+00	7.68E+01
2632	490760.04	3858760.04	5.54303	1.91656	14.55846	10.12867	34.58013	5.27666	2.40501	1.91656	5.68E+01	8.63E-01	3.69E-04	5.24E-01	1.59E+01	7.30E-01	4.15E+00	3.18E+00	7.59E+01
2633	490810.04	3858760.04	5.55552	1.8138	16.85729	9.88954	32.33314	5.01412	2.38198	1.8138	5.70E+01	8.16E-01	4.28E-04	5.12E-01	1.49E+01	6.93E-01	4.11E+00	3.01E+00	7.50E+01
2634	490860.04	3858760.04	5.56112	1.73016	17.46398	9.66892	30.08263	4.80315	2.3619	1.73016	5.70E+01	7.79E-01	4.43E-04	5.01E-01	1.39E+01	6.64E-01	4.08E+00	2.87E+00	7.40E+01
2635	490360.04	3858810.04	5.41803	2.86007	25.20811	10.33879	45.86057	7.24083	2.67376	2.86007	5.56E+01	1.29E+00	6.39E-04	5.35E-01	2.11E+01	1.00E+00	4.62E+00	4.74E+00	7.94E+01
2636	490410.04	3858810.04	5.42294	2.73143	20.67433	9.72799	45.98744	6.96133	2.63958	2.73143	5.56E+01	1.23E+00	5.24E-04	5.04E-01	2.12E+01	9.62E-01	4.56E+00	4.53E+00	7.95E+01
2637	490460.04	3858810.04	5.43306	2.59591	18.02191	10.14541	45.73805	6.65859	2.60666	2.59591	5.57E+01	1.17E+00	4.57E-04	5.25E-01	2.11E+01	9.21E-01	4.50E+00	4.30E+00	7.96E+01
2638	490510.04	3858810.04	5.43325	2.49675	20.46778	10.74995	45.00445	6.44433	2.57741	2.49675	5.57E+01	1.12E+00	5.19E-04	5.56E-01	2.07E+01	8.91E-01	4.45E+00	4.14E+00	7.93E+01
2639	490560.04	3858810.04	5.43867	2.38864	19.14578	11.72785	43.98114	6.2064	2.54304	2.38864	5.58E+01	1.07E+00	4.86E-04	6.07E-01	2.03E+01	8.58E-01	4.39E+00	3.96E+00	7.90E+01
2640	490610.04	3858810.04	5.46162	2.23904	19.05225	11.59121	42.7637	5.85984	2.50241	2.23904	5.60E+01	1.01E+00	4.83E-04	6.00E-01	1.97E+01	8.10E-01	4.32E+00	3.71E+00	7.87E+01
2641	490660.04	3858810.04	5.4741	2.1262	16.70746	11.81923	41.20819	5.59805	2.46794	2.1262	5.61E+01	9.57E-01	4.24E-04	6.12E-01	1.90E+01	7.74E-01	4.26E+00	3.52E+00	7.82E+01
2642	490710.04	3858810.04	5.49379	2.00053	17.36409	10.0712	39.46374	5.29765	2.43637	2.00053	5.63E+01	9.00E-01	4.40E-04	5.21E-01	1.82E+01	7.32E-01	4.21E+00	3.31E+00	7.76E+01
2643	490760.04	3858810.04	5.53038	1.87596	18.73261	9.59175	37.58101	4.89812	2.41098	1.87596	5.67E+01	8.44E-01	4.75E-04	4.97E-01	1.73E+01	6.77E-01	4.16E+00	3.11E+00	7.71E+01
2644	490810.04	3858810.04	5.52428	1.81539	18.11681	9.46503	35.45905	4.78756	2.38922	1.81539	5.66E+01	8.17E-01	4.60E-04	4.90E-01	1.63E+01	6.62E-01	4.13E+00	3.01E+00	7.61E+01
2645	490860.04	3858810.04	5.54731	1.72246	15.30499	9.17478	33.31702	4.49615	2.37186	1.72246	5.69E+01	7.75E-01	3.88E-04	4.75E-01	1.54E+01	6.22E-01	4.10E+00	2.85E+00	7.53E+01
2646	490360.04	3858860.04	5.60981	2.91669	21.54189	9.1773	44.25596	6.84669	2.68695	2.91669	5.75E+01	1.31E+00	5.46E-04	4.75E-01	2.04E+01	9.47E-01	4.64E+00	4.83E+00	8.05E+01
2647	490410.04	3858860.04	5.42957	2.82063	19.17353	9.2293	44.74161	6.71841	2.65192	2.82063	5.57E+01	1.27E+00	4.86E-04	4.78E-01	2.06E+01	9.29E-01	4.58E+00	4.67E+00	7.89E+01
2648	490460.04	3858860.04	5.35381	2.67428	21.40945	9.78678	45.15531	6.37922	2.61608	2.67428	5.49E+01	1.20E+00	5.43E-04	5.07E-01	2.08E+01	8.82E-01	4.52E+00	4.43E+00	7.84E+01
2649	490510.04	3858860.04	5.34455	2.58769	20.79776	10.8762	44.90299	6.26353	2.58739	2.58769	5.48E+01	1.16E+00	5.28E-04	5.63E-01	2.07E+01	8.66E-01	4.47E+00	4.29E+00	7.83E+01
2650	490560.04	3858860.04	5.3621	2.45997	20.18109	10.70461	44.5141	5.96701	2.54785	2.45997	5.50E+01	1.11E+00	5.12E-04	5.54E-01	2.05E+01	8.25E-01	4.40E+00	4.08E+00	7.83E+01
2651	490610.04	3858860.04	5.40216	2.30345	17.89194	11.28361	43.88541	5.52677	2.50037	2.30345	5.54E+01	1.04E+00	4.54E-04	5.84E-01	2.02E+01	7.64E-01	4.32E+00	3.82E+00	7.85E+01

2652	490660.04	3858860.04	5.41732	2.19775	20.28709	10.31756	42.77801	5.2807	2.46707	2.19775	5.55E+01	9.89E-01	5.15E-04	5.34E-01	1.97E+01	7.30E-01	4.26E+00	3.64E+00	7.81E+01
2653	490710.04	3858860.04	5.42182	2.11434	20.5078	9.51932	41.36673	5.1175	2.44069	2.11434	5.56E+01	9.52E-01	5.20E-04	4.93E-01	1.91E+01	7.08E-01	4.21E+00	3.50E+00	7.75E+01
2654	490760.04	3858860.04	5.46053	1.98505	17.82077	9.26987	39.8386	4.73691	2.4137	1.98505	5.60E+01	8.93E-01	4.52E-04	4.80E-01	1.84E+01	6.55E-01	4.17E+00	3.29E+00	7.73E+01
2655	490810.04	3858860.04	5.49474	1.86845	16.14562	8.98636	38.08207	4.40267	2.38793	1.86845	5.63E+01	8.41E-01	4.10E-04	4.65E-01	1.75E+01	6.09E-01	4.12E+00	3.10E+00	7.68E+01
2656	490860.04	3858860.04	5.53172	1.75301	16.13377	8.65403	36.12876	4.06632	2.37649	1.75301	5.67E+01	7.89E-01	4.09E-04	4.48E-01	1.66E+01	5.62E-01	4.10E+00	2.90E+00	7.64E+01
2657	490360.04	3858910.04	5.8771	3.12603	20.1383	8.78331	41.23574	6.66028	2.82281	3.12603	6.03E+01	1.41E+00	5.11E-04	4.55E-01	1.90E+01	9.21E-01	4.87E+00	5.18E+00	8.17E+01
2658	490410.04	3858910.04	5.70718	2.99441	21.45234	8.89922	42.4657	6.43521	2.69357	2.99441	5.85E+01	1.35E+00	5.44E-04	4.61E-01	1.96E+01	8.90E-01	4.65E+00	4.96E+00	8.05E+01
2659	490460.04	3858910.04	5.54625	2.85557	22.9401	10.07512	43.37636	6.1727	2.62808	2.85557	5.69E+01	1.29E+00	5.82E-04	5.22E-01	2.00E+01	8.53E-01	4.54E+00	4.73E+00	7.93E+01
2660	490510.04	3858910.04	5.39332	2.70967	20.68718	10.28808	43.94583	5.87279	2.58926	2.70967	5.53E+01	1.22E+00	5.25E-04	5.33E-01	2.03E+01	8.12E-01	4.47E+00	4.49E+00	7.81E+01
2661	490560.04	3858910.04	5.29328	2.55658	21.12636	10.53819	44.16148	5.53459	2.54668	2.55658	5.43E+01	1.15E+00	5.36E-04	5.46E-01	2.04E+01	7.65E-01	4.40E+00	4.24E+00	7.73E+01
2662	490610.04	3858910.04	5.32468	2.40581	22.64533	10.27423	43.99975	5.1828	2.4994	2.40581	5.46E+01	1.08E+00	5.74E-04	5.32E-01	2.03E+01	7.17E-01	4.32E+00	3.99E+00	7.75E+01
2663	490660.04	3858910.04	5.34505	2.28827	20.70685	9.04564	43.42059	4.92958	2.46488	2.28827	5.48E+01	1.03E+00	5.25E-04	4.68E-01	2.00E+01	6.82E-01	4.26E+00	3.79E+00	7.75E+01
2664	490710.04	3858910.04	5.37763	2.1565	17.70791	8.94439	42.56462	4.61153	2.43609	2.1565	5.51E+01	9.71E-01	4.49E-04	4.63E-01	1.96E+01	6.38E-01	4.21E+00	3.57E+00	7.75E+01
2665	490760.04	3858910.04	5.42549	2.00588	17.8104	8.70627	41.44301	4.2163	2.40136	2.00588	5.56E+01	9.03E-01	4.52E-04	4.51E-01	1.91E+01	5.83E-01	4.15E+00	3.32E+00	7.75E+01
2666	490810.04	3858910.04	5.45044	1.9028	16.85434	8.52465	40.00188	3.98356	2.3853	1.9028	5.59E+01	8.56E-01	4.28E-04	4.41E-01	1.84E+01	5.51E-01	4.12E+00	3.15E+00	7.71E+01
2667	490860.04	3858910.04	5.50164	1.76136	14.97723	8.17312	38.3206	3.61073	2.36036	1.76136	5.64E+01	7.93E-01	3.80E-04	4.23E-01	1.77E+01	4.99E-01	4.08E+00	2.92E+00	7.69E+01
2668	490360.04	3858960.04	6.18238	3.26027	23.79225	8.65351	37.77299	6.58274	2.9614	3.26027	6.34E+01	1.47E+00	6.04E-04	4.48E-01	1.74E+01	9.10E-01	5.11E+00	5.40E+00	8.33E+01
2669	490410.04	3858960.04	6.01555	3.1003	24.69451	9.33787	39.54867	6.2833	2.76531	3.1003	6.17E+01	1.40E+00	6.26E-04	4.83E-01	1.82E+01	8.69E-01	4.77E+00	5.14E+00	8.23E+01
2670	490460.04	3858960.04	5.85759	2.92859	22.89307	9.8328	41.03016	5.95661	2.70223	2.92859	6.01E+01	1.32E+00	5.81E-04	5.09E-01	1.89E+01	8.24E-01	4.67E+00	4.85E+00	8.14E+01
2671	490510.04	3858960.04	5.69594	2.77665	24.50909	9.7612	42.10144	5.66128	2.64282	2.77665	5.84E+01	1.25E+00	6.22E-04	5.05E-01	1.94E+01	7.83E-01	4.56E+00	4.60E+00	8.03E+01
2672	490560.04	3858960.04	5.53728	2.62899	23.79166	9.98765	42.80594	5.36922	2.59286	2.62899	5.68E+01	1.18E+00	6.04E-04	5.17E-01	1.97E+01	7.42E-01	4.48E+00	4.36E+00	7.91E+01
2673	490610.04	3858960.04	5.39639	2.44109	19.40894	8.86614	43.22807	4.99322	2.54247	2.44109	5.53E+01	1.10E+00	4.92E-04	4.59E-01	1.99E+01	6.90E-01	4.39E+00	4.04E+00	7.78E+01
2674	490660.04	3858960.04	5.26504	2.35812	19.86622	8.48503	43.11491	4.81866	2.48871	2.35812	5.40E+01	1.06E+00	5.04E-04	4.39E-01	1.99E+01	6.66E-01	4.30E+00	3.91E+00	7.64E+01
2675	490710.04	3858960.04	5.31456	2.18471	18.73247	8.37469	42.81109	4.45737	2.4443	2.18471	5.45E+01	9.83E-01	4.75E-04	4.34E-01	1.97E+01	6.16E-01	4.22E+00	3.62E+00	7.69E+01
2676	490760.04	3858960.04	5.35694	2.03896	16.56704	8.23144	42.13986	4.1472	2.39938	2.03896	5.49E+01	9.18E-01	4.20E-04	4.26E-01	1.94E+01	5.73E-01	4.14E+00	3.38E+00	7.70E+01
2677	490810.04	3858960.04	5.40221	1.89672	13.84174	8.02664	41.09855	3.84052	2.36849	1.89672	5.54E+01	8.54E-01	3.51E-04	4.16E-01	1.89E+01	5.31E-01	4.09E+00	3.14E+00	7.71E+01
2678	490860.04	3858960.04	5.46239	1.73509	12.94846	7.71813	39.79949	3.4909	2.33674	1.73509	5.60E+01	7.81E-01	3.28E-04	4.00E-01	1.83E+01	4.83E-01	4.03E+00	2.87E+00	7.72E+01
2679	490360.04	3859010.04	6.49571	3.37561	25.68125	8.61181	33.75435	6.7901	3.08592	3.37561	6.66E+01	1.52E+00	6.51E-04	4.46E-01	1.56E+01	9.39E-01	5.33E+00	5.59E+00	8.48E+01
2680	490410.04	3859010.04	6.33084	3.18508	26.91701	9.29359	35.93463	6.44944	2.83158	3.18508	6.49E+01	1.43E+00	6.83E-04	4.81E-01	1.66E+01	8.92E-01	4.89E+00	5.28E+00	8.39E+01
2681	490460.04	3859010.04	6.18228	2.95724	26.76047	8.98966	37.91112	6.03437	2.7695	2.95724	6.34E+01	1.33E+00	6.79E-04	4.65E-01	1.75E+01	8.34E-01	4.78E+00	4.90E+00	8.34E+01
2682	490510.04	3859010.04	6.03185	2.74151	22.85641	9.61537	39.52455	5.63324	2.71528	2.74151	6.19E+01	1.23E+00	5.80E-04	4.98E-01	1.82E+01	7.79E-01	4.69E+00	4.54E+00	8.27E+01
2683	490560.04	3859010.04	5.85107	2.63324	22.06009	8.97244	40.62949	5.4246	2.65774	2.63324	6.00E+01	1.19E+00	5.60E-04	4.64E-01	1.87E+01	7.50E-01	4.59E+00	4.36E+00	8.13E+01
2684	490610.04	3859010.04	5.70302	2.43621	20.8376	7.8996	41.53426	5.0447	2.61003	2.43621	5.85E+01	1.10E+00	5.29E-04	4.09E-01	1.91E+01	6.97E-01	4.51E+00	4.04E+00	8.03E+01
2685	490660.04	3859010.04	5.52315	2.36053	18.37383	7.93221	41.94515	4.88862	2.55665	2.36053	5.66E+01	1.06E+00	4.66E-04	4.11E-01	1.93E+01	6.76E-01	4.41E+00	3.91E+00	7.86E+01
2686	490710.04	3859010.04	5.38237	2.16495	15.13369	7.79982	42.14781	4.49518	2.51198	2.16495	5.52E+01	9.74E-01	3.84E-04	4.04E-01	1.94E+01	6.21E-01	4.34E+00	3.59E+00	7.74E+01
2687	490760.04	3859010.04	5.3047	1.99793	16.39448	7.66326	41.91462	4.15268	2.46529	1.99793	5.44E+01	8.99E-01	4.16E-04	3.97E-01	1.93E+01	5.74E-01	4.26E+00	3.31E+00	7.65E+01
2688	490810.04	3859010.04	5.35835	1.83554	16.51175	7.50201	41.34238	3.81462	2.41169	1.83554	5.49E+01	8.26E-01	4.19E-04	3.88E-01	1.91E+01	5.27E-01	4.16E+00	3.04E+00	7.69E+01
2689	490860.04	3859010.04	5.40529	1.69808	15.3559	7.34392	40.49602	3.52238	2.35724	1.69808	5.54E+01	7.64E-01	3.90E-04	3.80E-01	1.87E+01	4.87E-01	4.07E+00	2.81E+00	7.70E+01
2690	490360.04	3859060.04	6.82271	3.46187	30.00756	8.74375	30.30125	6.87983	3.13568	3.46187	7.00E+01	1.56E+00	7.61E-04	4.53E-01	1.40E+01	9.51E-01	5.41E+00	5.74E+00	8.66E+01
2691	490410.04	3859060.04	6.67976	3.18065	26.64912	8.7389	32.00335	6.39573	2.89008	3.18065	6.85E+01	1.43E+00	6.76E-04	4.52E-01	1.47E+01	8.84E-01	4.99E+00	5.27E+00	8.57E+01
2692	490460.04	3859060.04	6.51778	2.95862	24.58629	9.0714	34.19872	6.00901	2.82917	2.95862	6.68E+01	1.33E+00	6.24E-04	4.70E-01	1.58E+01	8.31E-01	4.88E+00	4.90E+00	8.52E+01
2693	490510.04	3859060.04	6.34844	2.77131	23.33691	8.91609	36.09604	5.67811	2.76982	2.77131	6.51E+01	1.25E+00	5.92E-04	4.62E-01	1.66E+01	7.85E-01	4.78E+00	4.59E+00	8.44E+01
2694	490560.04	3859060.04	6.19399	2.54833	20.19905	7.69386	37.75246	5.2746	2.71985	2.54833	6.35E+01	1.15E+00	5.12E-04	3.98E-01	1.74E+01	7.29E-01	4.70E+00	4.22E+00	8.37E+01
2695	490610.04	3859060.04	6.0177	2.41571	18.55559	7.57853	39.00948	5.02793	2.66933	2.41571	6.17E+01	1.09E+00	4.71E-04	3.92E-01	1.80E+01	6.95E-01	4.61E+00	4.00E+00	8.25E+01
2696	490660.04	3859060.04	5.84255	2.29704	20.63504	7.49033	39.94734	4.80027	2.61513	2.29704	5.99E+01	1.03E+00	5.23E-04	3.88E-01	1.84E+01	6.64E-01	4.52E+00	3.81E+00	8.11E+01
2697	490710.04	3859060.04	5.69677	2.08538	19.7313	7.31774	40.57472	4.39179	2.5753	2.08538	5.84E+01	9.39E-01	5.01E-04	3.79E-01	1.87E+01	6.07E-01	4.45E+00	3.46E+00	8.00E+01
2698	490760.04	3859060.04	5.54557	1.90695	17.24786	7.16121	40.80736	4.04116	2.52184	1.90695	5.69E+01	8.58E-01	4.38E-04	3.71E-01	1.88E+01	5.59E-01	4.35E+00	3.16E+00	7.87E+01
2699	490810.04	3859060.04	5.39992	1.7604	14.61216	7.07014	40.72066	3.69181	2.46554	1.7604	5.54E+01	7.92E-01	3.71E-04	3.66E-01	1.88E+01	5.10E-01	4.26E+00	2.92E+00	7.71E+01
2700	490860.04	3859060.04	5.37904	1.63718	14.07222	6.93148	44.86574	3.3972	2.41458	1.63718	5.52E+01	7.37E-01	3.57E-04	3.59E-01	2.07E+01	4.70E-01	4.17E+00	2.71E+00	7.89E+01
2701	490360.04	3859110.04	7.13062	3.60946	27.01607	8.63263	29.05622	7.37413	3.20497	3.60946	7.31E+01	1.62E+00	6.85E-04	4.47E-01	1.34E+01	1.02E+00	5.53E+00	5.98E+00	8.92E+01
2702	490410.04	3859110.04	6.98962	3.29961	26.05809	8.43192	29.69556	6.72215	2.94004	3.29961	7.17E+01	1.48E+00	6.61E-04	4.36E-01	1.37E+01	9.29E-01	5.08E+00	5.47E+00	8.78E+01
2703	490460.04	3859110.04	6.81531	3.09311	22.41347	8.6384	29.94847	6.2637	2.87925	3.09311	6.99E+01	1.39E+00	5.69E-04	4.47E-01	1.38E+01	8.66E-01	4.97E+00	5.13E+00	8.62E+01
2704	490510.04	3859110.04	6.69094	2.73138	23.60393	7.89688	32.26093	5.53326	2.81625	2.73138	6.86E+01	1.23E+00	5.99E-04	4.09E-01	1.49E+01	7.65E-01	4.86E+00	4.53E+00	8.62E+01
2705	490560.04	3859110.04	6.52315	2.52578	24.58827	7.62676	34.18853	5.18078	2.76926	2.52578	6.69E+01	1.14E+00	6.24E-04	3.95E-01	1.58E+01	7.16E-01	4.78E+00	4.19E+00	8.55E+01
2706	490610.04	3859110.04	6.36346	2.30598	22.31774	7.38887	35.86348	4.78743	2.72208	2.30598	6.53E+01	1.04E+00	5.66E-04	3.82E-01	1.65E+01	6.62E-01	4.70E+00	3.82E+00	8.47E+01
2707	490660.04	3859110.04	6.21253	2.08677	18.51138	7.14006	37.17963	4.34987	2.67511	2.08677	6.37E+01	9.39E-01	4.70E-04	3.70E-01	1.71E+01	6.01E-01	4.62E+00	3.46E+00	8.39E+01
2708	490710.04	3859110.04	6.03447	1.98039	18.0677	6.98812	38.18552	4.12186	2.62207	1.98039	6.19E+01	8.91E-01	4.58E-04	3.62E-01	1.76E+01	5.70E-01	4.53E+00	3.28E+00	8.25E+01
2709	490760.04	3859110.04	5.87152	1.84184	16.35311	6.9012	38.88415	3.81224	2.56696	1.84184	6.02E+01	8.29E-01	4.15E-04	3.57E-01	1.79E+01	5.27E-01	4.43E+00	3.05E+00	8.12E+01
2710	490810.04	3859110.04	5.71976	1.67962	14.50935	6.74411	43.41538	3.44415	2.52996	1.67962	5.87E+01	7.56E-01	3.68E-04	3.49E-01	2.00E+01	4.76E-01	4.37E+00	2.78E+00	8.18E+01

2711	490860.04	3859110.04	5.56601	1.53191	12.9548	6.55572	44.56218	3.22057	2.47957	1.53191	5.71E+01	6.89E-01	3.29E-04	3.39E-01	2.05E+01	4.45E-01	4.28E+00	2.54E+00	8.08E+01
2712	490360.04	3859160.04	7.42104	3.81902	26.57634	8.89622	27.11947	8.00565	3.2412	3.81902	7.61E+01	1.72E+00	6.74E-04	4.61E-01	1.25E+01	1.11E+00	5.60E+00	6.33E+00	9.11E+01
2713	490410.04	3859160.04	7.27944	3.49422	30.64865	8.5842	28.20349	7.32057	2.98611	3.49422	7.46E+01	1.57E+00	7.77E-04	4.44E-01	1.30E+01	1.01E+00	5.16E+00	5.79E+00	9.00E+01
2714	490460.04	3859160.04	7.12514	3.20501	30.89921	8.23695	28.88324	6.70753	2.9213	3.20501	7.31E+01	1.44E+00	7.84E-04	4.26E-01	1.33E+01	9.27E-01	5.04E+00	5.31E+00	8.89E+01
2715	490510.04	3859160.04	6.97262	2.91627	27.50463	8.00111	29.20579	6.09827	2.85564	2.91627	7.15E+01	1.31E+00	6.98E-04	4.14E-01	1.35E+01	8.43E-01	4.93E+00	4.83E+00	8.76E+01
2716	490560.04	3859160.04	6.83658	2.5793	24.73105	7.73314	30.21371	5.38528	2.80751	2.5793	7.01E+01	1.16E+00	6.27E-04	4.00E-01	1.39E+01	7.45E-01	4.85E+00	4.27E+00	8.69E+01
2717	490610.04	3859160.04	6.66623	2.37673	22.61462	7.47505	32.14677	4.93073	2.75835	2.37673	6.84E+01	1.07E+00	5.74E-04	3.87E-01	1.48E+01	6.82E-01	4.76E+00	3.94E+00	8.61E+01
2718	490660.04	3859160.04	6.55823	2.02143	19.12095	7.11827	33.7871	4.07493	2.70675	2.02143	6.72E+01	9.10E-01	4.85E-04	3.68E-01	1.56E+01	5.63E-01	4.67E+00	3.35E+00	8.60E+01
2719	490710.04	3859160.04	6.37792	1.89791	17.58871	6.95802	35.1653	3.82709	2.65507	1.89791	6.54E+01	8.54E-01	4.46E-04	3.60E-01	1.62E+01	5.29E-01	4.58E+00	3.14E+00	8.48E+01
2720	490760.04	3859160.04	6.23357	1.67434	14.17848	6.71336	39.32708	3.61156	2.64131	1.67434	6.39E+01	7.54E-01	3.60E-04	3.48E-01	1.81E+01	4.99E-01	4.56E+00	2.77E+00	8.54E+01
2721	490810.04	3859160.04	6.05587	1.56561	13.21543	6.55459	41.10466	3.51677	2.60109	1.56561	6.21E+01	7.05E-01	3.35E-04	3.39E-01	1.89E+01	4.86E-01	4.49E+00	2.59E+00	8.45E+01
2722	490860.04	3859160.04	5.88418	1.45008	12.09224	6.39724	42.54541	3.43406	2.5526	1.45008	6.03E+01	6.53E-01	3.07E-04	3.31E-01	1.96E+01	4.75E-01	4.41E+00	2.40E+00	8.34E+01
2723	490360.04	3859210.04	7.70034	4.06901	33.05366	9.29115	24.66572	8.68103	3.40462	4.06901	7.90E+01	1.83E+00	8.38E-04	4.81E-01	1.14E+01	1.20E+00	5.88E+00	6.74E+00	9.30E+01
2724	490410.04	3859210.04	7.5203	3.84303	30.33112	8.8834	26.00204	8.18724	3.19271	3.84303	7.71E+01	1.73E+00	7.69E-04	4.60E-01	1.20E+01	1.13E+00	5.51E+00	6.37E+00	9.16E+01
2725	490460.04	3859210.04	7.42104	3.34787	29.90986	8.5138	27.26219	7.16998	2.95662	3.34787	7.61E+01	1.51E+00	7.59E-04	4.41E-01	1.26E+01	9.91E-01	5.10E+00	5.55E+00	9.12E+01
2726	490510.04	3859210.04	7.28186	3.01875	27.05307	8.2333	28.05472	6.48033	2.88804	3.01875	7.47E+01	1.36E+00	6.86E-04	4.26E-01	1.29E+01	8.96E-01	4.99E+00	5.00E+00	9.03E+01
2727	490560.04	3859210.04	7.10877	2.79352	25.33676	7.9599	28.44059	5.98846	2.84062	2.79352	7.29E+01	1.26E+00	6.43E-04	4.12E-01	1.31E+01	8.28E-01	4.90E+00	4.63E+00	8.88E+01
2728	490610.04	3859210.04	6.96118	2.49225	22.92204	7.64853	28.52923	5.34116	2.78666	2.49225	7.14E+01	1.12E+00	5.81E-04	3.96E-01	1.31E+01	7.38E-01	4.81E+00	4.13E+00	8.75E+01
2729	490660.04	3859210.04	6.84327	2.11832	19.21846	7.24433	30.07196	4.42082	2.7424	2.11832	7.02E+01	9.53E-01	4.88E-04	3.75E-01	1.39E+01	6.11E-01	4.73E+00	3.51E+00	8.72E+01
2730	490710.04	3859210.04	6.67123	1.90722	18.5332	7.01976	31.74108	3.90287	2.68988	1.90722	6.84E+01	8.58E-01	4.70E-04	3.63E-01	1.46E+01	5.40E-01	4.64E+00	3.16E+00	8.63E+01
2731	490760.04	3859210.04	6.53942	1.70118	16.22024	6.77798	35.14447	3.82779	2.68831	1.70118	6.71E+01	7.66E-01	4.11E-04	3.51E-01	1.62E+01	5.29E-01	4.64E+00	2.82E+00	8.67E+01
2732	490810.04	3859210.04	6.33165	1.66983	15.75687	6.66752	37.12363	3.67858	2.64276	1.66983	6.49E+01	7.51E-01	4.00E-04	3.45E-01	1.71E+01	5.09E-01	4.56E+00	2.77E+00	8.54E+01
2733	490860.04	3859210.04	6.13177	1.62889	14.82114	6.56413	38.8678	3.5472	2.5948	1.62889	6.29E+01	7.33E-01	3.76E-04	3.40E-01	1.79E+01	4.90E-01	4.48E+00	2.70E+00	8.41E+01
2734	490360.04	3859260.04	7.98314	4.30927	30.95598	9.83421	21.91309	9.23505	3.70044	4.30927	8.19E+01	1.94E+00	7.85E-04	5.09E-01	1.01E+01	1.28E+00	6.39E+00	7.14E+00	9.49E+01
2735	490410.04	3859260.04	7.82373	4.00809	31.46986	9.33535	23.58078	8.62076	3.39445	4.00809	8.02E+01	1.80E+00	7.98E-04	4.83E-01	1.09E+01	1.19E+00	5.86E+00	6.64E+00	9.38E+01
2736	490460.04	3859260.04	7.64688	3.76807	31.29948	8.94793	24.96516	8.11795	3.15548	3.76807	7.84E+01	1.70E+00	7.94E-04	4.63E-01	1.15E+01	1.12E+00	5.45E+00	6.24E+00	9.24E+01
2737	490510.04	3859260.04	7.46798	3.49773	31.27789	8.52306	26.07153	7.5508	2.94496	3.49773	7.66E+01	1.57E+00	7.93E-04	4.41E-01	1.20E+01	1.04E+00	5.08E+00	5.80E+00	9.09E+01
2738	490560.04	3859260.04	7.33374	3.18295	29.3912	8.23349	26.98242	6.8984	2.87858	3.18295	7.52E+01	1.43E+00	7.46E-04	4.26E-01	1.24E+01	9.54E-01	4.97E+00	5.27E+00	9.01E+01
2739	490610.04	3859260.04	7.22825	2.71669	26.94857	7.91755	27.59658	5.93041	2.82177	2.71669	7.41E+01	1.22E+00	6.84E-04	4.10E-01	1.27E+01	8.20E-01	4.87E+00	4.50E+00	8.97E+01
2740	490660.04	3859260.04	7.02303	2.62426	25.47162	7.67	27.74623	5.70783	2.77679	2.62426	7.20E+01	1.18E+00	6.46E-04	3.97E-01	1.28E+01	7.89E-01	4.79E+00	4.35E+00	8.76E+01
2741	490710.04	3859260.04	6.84876	2.35608	24.52595	7.36641	28.06294	5.1046	2.73731	2.35608	7.02E+01	1.06E+00	6.22E-04	3.81E-01	1.29E+01	7.06E-01	4.73E+00	3.90E+00	8.61E+01
2742	490760.04	3859260.04	6.73738	2.07982	18.41004	7.09468	29.78489	4.40429	2.68511	2.07982	6.91E+01	9.36E-01	4.67E-04	3.67E-01	1.37E+01	6.09E-01	4.64E+00	3.45E+00	8.59E+01
2743	490810.04	3859260.04	6.54334	1.99572	17.1223	6.92737	31.33249	4.18073	2.63979	1.99572	6.71E+01	8.98E-01	4.34E-04	3.59E-01	1.44E+01	5.78E-01	4.56E+00	3.31E+00	8.46E+01
2744	490860.04	3859260.04	6.35277	1.91318	15.7214	6.78827	32.67577	3.95968	2.59735	1.91318	6.51E+01	8.61E-01	3.99E-04	3.51E-01	1.51E+01	5.47E-01	4.48E+00	3.17E+00	8.33E+01
2745	490360.04	3859310.04	8.18946	4.75239	36.46754	10.37093	18.81616	9.95372	4.20377	4.75239	8.40E+01	2.14E+00	9.25E-04	5.37E-01	8.67E+00	1.38E+00	7.26E+00	7.87E+00	9.61E+01
2746	490410.04	3859310.04	8.04123	4.42135	33.48383	9.92323	20.67638	9.34908	3.86476	4.42135	8.25E+01	1.99E+00	8.49E-04	5.14E-01	9.53E+00	1.29E+00	6.67E+00	7.33E+00	9.51E+01
2747	490460.04	3859310.04	7.88106	4.12906	29.43981	9.40409	22.34173	8.80115	3.565	4.12906	8.08E+01	1.86E+00	7.47E-04	4.87E-01	1.03E+01	1.22E+00	6.16E+00	6.84E+00	9.40E+01
2748	490510.04	3859310.04	7.70122	3.90672	27.33057	8.99484	23.74991	8.3752	3.34621	3.90672	7.90E+01	1.76E+00	6.93E-04	4.66E-01	1.09E+01	1.16E+00	5.78E+00	6.47E+00	9.26E+01
2749	490560.04	3859310.04	7.53032	3.6673	25.53136	8.58663	24.93792	7.90207	3.10584	3.6673	7.72E+01	1.65E+00	6.48E-04	4.45E-01	1.15E+01	1.09E+00	5.36E+00	6.08E+00	9.12E+01
2750	490610.04	3859310.04	7.34908	3.4709	24.92945	8.2298	25.83577	7.50544	2.91488	3.4709	7.54E+01	1.56E+00	6.32E-04	4.26E-01	1.19E+01	1.04E+00	5.03E+00	5.75E+00	8.96E+01
2751	490660.04	3859310.04	7.18938	3.21085	24.42512	7.95719	26.49432	6.97633	2.82181	3.21085	7.37E+01	1.45E+00	6.20E-04	4.12E-01	1.22E+01	9.64E-01	4.87E+00	5.32E+00	8.83E+01
2752	490710.04	3859310.04	7.08855	2.74054	22.30294	7.68112	26.93637	6.01084	2.76709	2.74054	7.27E+01	1.23E+00	5.66E-04	3.98E-01	1.24E+01	8.31E-01	4.78E+00	4.54E+00	8.78E+01
2753	490760.04	3859310.04	6.93158	2.48581	20.15633	7.39674	26.98403	5.4662	2.72581	2.48581	7.11E+01	1.12E+00	5.11E-04	3.83E-01	1.24E+01	7.56E-01	4.71E+00	4.12E+00	8.64E+01
2754	490810.04	3859310.04	6.74578	2.35171	18.61257	7.18034	27.9014	5.16499	2.68574	2.35171	6.92E+01	1.06E+00	4.72E-04	3.72E-01	1.29E+01	7.14E-01	4.64E+00	3.90E+00	8.49E+01
2755	490860.04	3859310.04	6.58273	2.17568	16.65573	6.93807	29.49703	4.70878	2.63969	2.17568	6.75E+01	9.79E-01	4.23E-04	3.59E-01	1.36E+01	6.51E-01	4.56E+00	3.60E+00	8.40E+01
2756	490360.04	3859360.04	8.36858	5.24268	32.92412	11.12905	18.52005	10.50101	5.03526	5.24268	8.58E+01	2.36E+00	8.35E-04	5.76E-01	8.53E+00	1.45E+00	8.69E+00	8.69E+00	9.87E+01
2757	490410.04	3859360.04	8.20289	4.96524	30.79368	10.51531	17.57005	10.0639	4.4824	4.96524	8.41E+01	2.23E+00	7.81E-04	5.44E-01	8.10E+00	1.39E+00	7.74E+00	8.23E+00	9.59E+01
2758	490460.04	3859360.04	8.03173	4.71041	28.90551	9.88709	19.33359	9.66573	4.22693	4.71041	8.24E+01	2.12E+00	7.33E-04	5.12E-01	8.91E+00	1.34E+00	7.30E+00	7.80E+00	9.47E+01
2759	490510.04	3859360.04	7.86341	4.45962	26.77505	9.48654	20.97029	9.25693	3.97385	4.45962	8.06E+01	2.01E+00	6.79E-04	4.91E-01	9.66E+00	1.28E+00	6.86E+00	7.39E+00	9.35E+01
2760	490560.04	3859360.04	7.721	4.14388	26.33254	9.02188	22.49271	8.70058	3.63551	4.14388	7.92E+01	1.86E+00	6.68E-04	4.67E-01	1.04E+01	1.20E+00	6.28E+00	6.87E+00	9.25E+01
2761	490610.04	3859360.04	7.57231	3.84403	26.06202	8.64219	23.78219	8.15554	3.31762	3.84403	7.76E+01	1.73E+00	6.61E-04	4.47E-01	1.10E+01	1.13E+00	5.73E+00	6.37E+00	9.13E+01
2762	490660.04	3859360.04	7.40877	3.59692	25.27114	8.26967	24.79067	7.69993	3.06603	3.59692	7.60E+01	1.62E+00	6.41E-04	4.28E-01	1.14E+01	1.06E+00	5.29E+00	5.96E+00	8.98E+01
2763	490710.04	3859360.04	7.27391	3.25336	24.00094	7.97873	25.58483	7.04138	2.80445	3.25336	7.46E+01	1.46E+00	6.09E-04	4.13E-01	1.18E+01	9.73E-01	4.84E+00	5.39E+00	8.87E+01
2764	490760.04	3859360.04	7.14307	2.89572	22.08928	7.69566	26.09219	6.33226	2.75621	2.89572	7.32E+01	1.30E+00	5.60E-04	3.98E-01	1.20E+01	8.75E-01	4.76E+00	4.80E+00	8.78E+01
2765	490810.04	3859360.04	6.94234	2.81093	21.08623	7.46373	26.22197	6.15757	2.71819	2.81093	7.12E+01	1.27E+00	5.35E-04	3.86E-01	1.21E+01	8.51E-01	4.69E+00	4.66E+00	8.58E+01
2766	490860.04	3859360.04	6.77632	2.60596	19.5122	7.22462	26.12894	5.72883	2.66879	2.60596	6.95E+01	1.17E+00	4.95E-04	3.74E-01	1.20E+01	7.92E-01	4.61E+00	4.32E+00	8.42E+01
2767	490360.04	3859410.04	8.53745	5.64704	32.46712	12.2195	19.14267	10.83379	5.64415	5.64704	8.75E+01	2.54E+00	8.24E-04	6.33E-01	8.82E+00	1.50E+00	9.74E+00	9.36E+00	1.01E+02
2768	490410.04	3859410.04	8.36487	5.46198	30.16666	11.3926	18.20439	10.14456	5.46499	5.46198	8.58E+01	2.46E+00	7.65E-04	5.90E-01	8.39E+00	1.40E+00	9.44E+00	9.05E+00	9.90E+01
2769	490460.04	3859410.04	8.19816	5.20277	28.69637	10.60971	17.08949	10.14401	4.80598	5.20277	8.41E+01	2.34E+00	7.28E-04	5.49E-01	7.88E+00	1.40E+00	8.30E+00	8.62E+00	9.59E+01

2770	490510.04	3859410.04	8.03693	4.93832	27.22063	10.04956	18.0972	9.75467	4.52554	4.93832	8.24E+01	2.22E+00	6.91E-04	5.20E-01	8.34E+00	1.35E+00	7.81E+00	8.18E+00	9.45E+01
2771	490560.04	3859410.04	7.87625	4.67983	25.73756	9.46516	19.73441	9.37594	4.25394	4.67983	8.08E+01	2.11E+00	6.53E-04	4.90E-01	9.09E+00	1.30E+00	7.34E+00	7.75E+00	9.33E+01
2772	490610.04	3859410.04	7.71802	4.42398	24.26285	9.10522	21.22684	8.98669	3.98422	4.42398	7.91E+01	1.99E+00	6.15E-04	4.71E-01	9.78E+00	1.24E+00	6.88E+00	7.33E+00	9.22E+01
2773	490660.04	3859410.04	7.59093	4.05146	24.02626	8.67025	22.60498	8.33819	3.54964	4.05146	7.78E+01	1.82E+00	6.09E-04	4.49E-01	1.04E+01	1.15E+00	6.13E+00	6.71E+00	9.11E+01
2774	490710.04	3859410.04	7.44841	3.72475	23.86173	8.292	23.71929	7.78406	3.18152	3.72475	7.64E+01	1.68E+00	6.05E-04	4.29E-01	1.09E+01	1.08E+00	5.49E+00	6.17E+00	8.98E+01
2775	490760.04	3859410.04	7.32973	3.33456	22.96898	7.96681	24.62617	7.06762	2.79024	3.33456	7.52E+01	1.50E+00	5.83E-04	4.12E-01	1.13E+01	9.77E-01	4.82E+00	5.53E+00	8.87E+01
2776	490810.04	3859410.04	7.1475	3.23276	21.82204	7.72455	25.15945	6.92297	2.74675	3.23276	7.33E+01	1.45E+00	5.54E-04	4.00E-01	1.16E+01	9.57E-01	4.74E+00	5.36E+00	8.71E+01
2777	490860.04	3859410.04	6.94384	3.16486	21.014	7.4718	25.39918	6.8187	2.70813	3.16486	7.12E+01	1.42E+00	5.33E-04	3.87E-01	1.17E+01	9.43E-01	4.68E+00	5.24E+00	8.51E+01
2778	490360.04	3859460.04	8.74128	6.3353	29.92311	15.18813	19.42169	11.70076	5.84093	6.3353	8.96E+01	2.85E+00	7.59E-04	7.86E-01	8.95E+00	1.62E+00	1.01E+01	1.05E+01	1.03E+02
2779	490410.04	3859460.04	8.56106	6.03082	28.6195	13.48374	18.80796	10.92985	5.92761	6.03082	8.78E+01	2.71E+00	7.26E-04	6.98E-01	8.67E+00	1.51E+00	1.02E+01	9.99E+00	1.02E+02
2780	490460.04	3859460.04	8.3828	5.81116	27.38532	12.70435	17.93433	10.30279	5.86515	5.81116	8.60E+01	2.62E+00	6.95E-04	6.58E-01	8.26E+00	1.42E+00	1.01E+01	9.63E+00	9.94E+01
2781	490510.04	3859460.04	8.2164	5.3955	26.16188	11.60439	16.89219	10.10822	5.05115	5.3955	8.43E+01	2.43E+00	6.64E-04	6.01E-01	7.78E+00	1.40E+00	8.72E+00	8.94E+00	9.62E+01
2782	490560.04	3859460.04	8.05129	5.13611	24.96625	10.7069	16.94874	9.74753	4.77713	5.13611	8.26E+01	2.31E+00	6.33E-04	5.54E-01	7.81E+00	1.35E+00	8.25E+00	8.51E+00	9.43E+01
2783	490610.04	3859460.04	7.90348	4.85665	23.78863	9.76432	18.59212	9.33901	4.46702	4.85665	8.10E+01	2.19E+00	6.03E-04	5.05E-01	8.57E+00	1.29E+00	7.71E+00	8.05E+00	9.33E+01
2784	490660.04	3859460.04	7.76339	4.56096	22.61148	9.215	20.12464	8.90016	4.1355	4.56096	7.96E+01	2.05E+00	5.74E-04	4.77E-01	9.27E+00	1.23E+00	7.14E+00	7.56E+00	9.22E+01
2785	490710.04	3859460.04	7.59983	4.29734	21.48767	8.73941	21.43826	8.51185	3.83595	4.29734	7.79E+01	1.93E+00	5.45E-04	4.52E-01	9.88E+00	1.18E+00	6.62E+00	7.12E+00	9.09E+01
2786	490760.04	3859460.04	7.46154	4.03709	20.31312	8.39631	22.61111	8.12385	3.56326	4.03709	7.65E+01	1.82E+00	5.15E-04	4.35E-01	1.04E+01	1.12E+00	6.15E+00	6.69E+00	8.98E+01
2787	490810.04	3859460.04	7.31355	3.77056	20.13983	8.02426	23.53994	7.70324	3.27348	3.77056	7.50E+01	1.70E+00	5.11E-04	4.15E-01	1.08E+01	1.06E+00	5.65E+00	6.25E+00	8.84E+01
2788	490860.04	3859460.04	7.12633	3.63954	19.67327	7.71478	24.15341	7.53394	3.16217	3.63954	7.31E+01	1.64E+00	4.99E-04	3.99E-01	1.11E+01	1.04E+00	5.46E+00	6.03E+00	8.67E+01
2789	490360.04	3859510.04	9.03948	9.12262	32.99821	20.14055	19.34784	13.98755	9.46385	9.12262	9.27E+01	4.11E+00	8.37E-04	1.04E+00	8.92E+00	1.93E+00	1.63E+01	1.51E+01	1.10E+02
2790	490410.04	3859510.04	8.78975	6.61001	30.76489	17.6047	19.00493	12.71488	6.3503	6.61001	9.01E+01	2.97E+00	7.80E-04	9.11E-01	8.76E+00	1.76E+00	1.10E+01	1.10E+01	1.05E+02
2791	490460.04	3859510.04	8.58723	6.30556	28.34116	15.40081	18.44278	11.63431	6.26745	6.30556	8.81E+01	2.84E+00	7.19E-04	7.97E-01	8.50E+00	1.61E+00	1.08E+01	1.04E+01	1.02E+02
2792	490510.04	3859510.04	8.4017	6.27449	25.94867	14.4676	17.64595	10.67143	6.33342	6.27449	8.62E+01	2.82E+00	6.58E-04	7.49E-01	8.13E+00	1.48E+00	1.09E+01	1.04E+01	9.99E+01
2793	490560.04	3859510.04	8.23124	5.58139	23.59418	13.24304	16.67145	10.02444	5.51958	5.58139	8.44E+01	2.51E+00	5.99E-04	6.86E-01	7.68E+00	1.39E+00	9.53E+00	9.25E+00	9.70E+01
2794	490610.04	3859510.04	8.07734	5.32517	23.62968	11.82683	15.88225	9.80571	4.97417	5.32517	8.28E+01	2.40E+00	5.99E-04	6.12E-01	7.32E+00	1.36E+00	8.59E+00	8.82E+00	9.43E+01
2795	490660.04	3859510.04	7.9279	5.04488	23.57322	10.73533	17.49271	9.35442	4.66396	5.04488	8.13E+01	2.27E+00	5.98E-04	5.56E-01	8.06E+00	1.29E+00	8.05E+00	8.36E+00	9.32E+01
2796	490710.04	3859510.04	7.78359	4.76141	23.35353	9.71711	19.00675	8.92821	4.34752	4.76141	7.98E+01	2.14E+00	5.92E-04	5.03E-01	8.76E+00	1.23E+00	7.51E+00	7.89E+00	9.21E+01
2797	490760.04	3859510.04	7.63486	4.49671	22.92844	8.87239	20.36707	8.5508	4.05722	4.49671	7.83E+01	2.02E+00	5.82E-04	4.59E-01	9.39E+00	1.18E+00	7.00E+00	7.45E+00	9.09E+01
2798	490810.04	3859510.04	7.47088	4.28248	22.31418	8.44547	21.52047	8.27369	3.83695	4.28248	7.66E+01	1.93E+00	5.66E-04	4.37E-01	9.92E+00	1.14E+00	6.62E+00	7.10E+00	8.96E+01
2799	490860.04	3859510.04	7.31683	4.05086	21.61557	8.09982	22.49374	7.9502	3.58794	4.05086	7.50E+01	1.82E+00	5.48E-04	4.19E-01	1.04E+01	1.10E+00	6.19E+00	6.71E+00	8.82E+01
2800	490360.04	3859560.04	9.61362	13.45656	34.77602	31.9233	18.89675	18.22544	13.9345	13.45656	9.86E+01	6.06E+00	8.82E-04	1.65E+00	8.71E+00	2.52E+00	2.41E+01	2.23E+01	1.19E+02
2801	490410.04	3859560.04	9.18364	11.12168	32.5033	24.79163	18.8695	15.92464	11.5379	11.12168	9.42E+01	5.01E+00	8.25E-04	1.28E+00	8.70E+00	2.20E+00	1.99E+01	1.84E+01	1.13E+02
2802	490460.04	3859560.04	8.87669	7.93533	29.45789	20.73404	18.59221	14.18167	8.27175	7.93533	9.10E+01	3.57E+00	7.47E-04	1.07E+00	8.57E+00	1.96E+00	1.43E+01	1.31E+01	1.07E+02
2803	490510.04	3859560.04	8.64699	6.6137	26.87949	17.80227	18.1119	12.72029	6.57767	6.6137	8.87E+01	2.98E+00	6.82E-04	9.22E-01	8.35E+00	1.76E+00	1.14E+01	1.10E+01	1.03E+02
2804	490560.04	3859560.04	8.43523	6.78196	26.57751	16.07987	17.35551	11.55528	6.85151	6.78196	8.65E+01	3.05E+00	6.74E-04	8.32E-01	8.00E+00	1.60E+00	1.18E+01	1.12E+01	1.01E+02
2805	490610.04	3859560.04	8.26112	6.00839	25.85726	14.68206	16.4631	10.65473	6.03138	6.00839	8.47E+01	2.70E+00	6.56E-04	7.60E-01	7.59E+00	1.47E+00	1.04E+01	9.96E+00	9.77E+01
2806	490660.04	3859560.04	8.09838	5.54386	24.8769	12.96244	15.41961	10.21936	5.22512	5.54386	8.30E+01	2.49E+00	6.31E-04	6.71E-01	7.11E+00	1.41E+00	9.02E+00	9.19E+00	9.46E+01
2807	490710.04	3859560.04	7.94935	5.24906	23.6837	11.55925	16.43601	9.6048	4.88545	5.24906	8.15E+01	2.36E+00	6.01E-04	5.98E-01	7.57E+00	1.33E+00	8.43E+00	8.70E+00	9.31E+01
2808	490760.04	3859560.04	7.81827	4.9322	22.31101	10.2275	17.96474	9.00961	4.5011	4.9322	8.02E+01	2.22E+00	5.66E-04	5.29E-01	8.28E+00	1.25E+00	7.77E+00	8.17E+00	9.20E+01
2809	490810.04	3859560.04	7.67009	4.66135	20.86707	9.31001	19.33167	8.57511	4.20119	4.66135	7.86E+01	2.10E+00	5.29E-04	4.82E-01	8.91E+00	1.19E+00	7.25E+00	7.72E+00	9.09E+01
2810	490860.04	3859560.04	7.52566	4.39438	19.35709	8.55193	20.55128	8.16853	3.90077	4.39438	7.72E+01	1.98E+00	4.91E-04	4.43E-01	9.47E+00	1.13E+00	6.73E+00	7.28E+00	8.96E+01
2811	490187.25	3859422.08	9.33212	10.11331	39.86487	18.84899	20.25156	13.45173	10.3979	10.11331	9.57E+01	4.55E+00	1.01E-03	9.76E-01	9.33E+00	1.86E+00	1.80E+01	1.68E+01	1.14E+02
2812	490237.25	3859422.08	9.07501	7.93029	36.7334	16.19044	20.31798	12.60468	8.2309	7.93029	9.31E+01	3.57E+00	9.32E-04	8.38E-01	9.36E+00	1.74E+00	1.42E+01	1.31E+01	1.10E+02
2813	490287.25	3859422.08	8.8562	6.36988	33.86529	14.49451	20.07485	11.90642	5.86953	6.36988	9.08E+01	2.87E+00	8.59E-04	7.50E-01	9.25E+00	1.65E+00	1.01E+01	1.06E+01	1.05E+02
2814	490337.25	3859422.08	8.67026	6.03486	31.19566	13.00072	19.58186	11.20868	5.43387	6.03486	8.89E+01	2.72E+00	7.91E-04	6.73E-01	9.02E+00	1.55E+00	9.38E+00	1.00E+01	1.02E+02
2815	490187.25	3859472.08	9.89391	12.95123	37.46569	27.41751	19.31292	17.23095	13.2882	12.95123	1.01E+02	5.83E+00	9.50E-04	1.42E+00	8.90E+00	2.38E+00	2.29E+01	2.15E+01	1.21E+02
2816	490237.25	3859472.08	9.46339	11.57981	34.84083	22.2582	19.70554	15.05402	11.9378	11.57981	9.70E+01	5.21E+00	8.84E-04	1.15E+00	9.08E+00	2.08E+00	2.06E+01	1.92E+01	1.16E+02
2817	490287.25	3859472.08	9.1614	9.53661	31.99336	19.03818	19.8455	13.5418	9.87155	9.53661	9.39E+01	4.29E+00	8.12E-04	9.86E-01	9.15E+00	1.87E+00	1.70E+01	1.58E+01	1.11E+02
2818	490337.25	3859472.08	8.90453	6.80546	29.44488	16.83795	19.62726	12.48872	7.11682	6.80546	9.13E+01	3.06E+00	7.47E-04	8.72E-01	9.05E+00	1.73E+00	1.23E+01	1.13E+01	1.07E+02
2819	490297.07	3859500.42	9.3496	11.39033	34.81964	22.76291	19.53478	15.36613	11.7544	11.39033	9.59E+01	5.13E+00	8.83E-04	1.18E+00	9.00E+00	2.12E+00	2.03E+01	1.89E+01	1.15E+02
2820	490327.07	3859500.42	9.14517	10.05307	33.557	20.85913	19.48927	14.32153	10.3942	10.05307	9.38E+01	4.52E+00	8.51E-04	1.08E+00	8.98E+00	1.98E+00	1.79E+01	1.67E+01	1.12E+02
2821	490297.07	3859530.42	9.75678	13.49286	34.97803	31.30232	19.05727	19.00831	13.8945	13.49286	1.00E+02	6.07E+00	8.87E-04	1.62E+00	8.78E+00	2.63E+00	2.40E+01	2.24E+01	1.21E+02
2822	490327.07	3859530.42	9.46772	12.46255	32.99593	26.58207	19.18234	17.19515	12.8802	12.46255	9.71E+01	5.61E+00	8.37E-04	1.38E+00	8.84E+00	2.38E+00	2.22E+01	2.06E+01	1.17E+02
2823	490319.73	3859055.34	6.90726	3.6713	30.34094	8.69656	29.99211	7.24517	3.43135	3.6713	7.08E+01	1.65E+00	7.70E-04	4.50E-01	1.38E+01	1.00E+00	5.92E+00	6.08E+00	8.76E+01
2824	490319.73	3859105.34	7.22491	3.81436	30.24365	8.81118	28.46981	7.7886	3.38746	3.81436	7.41E+01	1.72E+00	7.67E-04	4.56E-01	1.31E+01	1.08E+00	5.85E+00	6.32E+00	9.00E+01
2825	490069.73	3859155.34	8.53733	5.14214	22.50232	12.12942	21.42497	10.65667	4.60094	5.14214	8.75E+01	2.31E+00	5.71E-04	6.28E-01	9.87E+00	1.47E+00	7.94E+00	8.52E+00	1.01E+02
2826	490119.73	3859155.34	8.31408	4.8781	32.95669	11.3421	20.17454	10.12342	4.49068	4.8781	8.53E+01	2.20E+00	8.36E-04	5.87E-01	9.30E+00	1.40E+00	7.75E+00	8.08E+00	9.84E+01
2827	490269.73	3859155.34	7.67606	4.30307	29.92564	9.30594	24.66503	9.01521	3.57458	4.30307	7.87E+01	1.94E+00	7.59E-04	4.82E-01	1.14E+01	1.25E+00	6.17E+00	7.13E+00	9.28E+01
2828	490319.73	3859155.34	7.51336	4.0414	27.86937	9.06111	26.23988	8.46022	3.3451	4.0414	7.70E+01	1.82E+00	7.07E-04	4.69E-01	1.21E+01	1.17E+00	5.78E+00	6.70E+00	9.17E+01

2829	490069.73	3859205.34	8.75433	5.53409	44.5206	12.58574	21.89367	11.61294	4.56423	5.53409	8.98E+01	2.49E+00	1.13E-03	6.52E-01	1.01E+01	1.61E+00	7.88E+00	9.17E+00	1.03E+02
2830	490119.73	3859205.34	8.52025	5.31616	49.92514	11.85424	20.90723	11.14644	4.85409	5.31616	8.74E+01	2.39E+00	1.27E-03	6.14E-01	9.63E+00	1.54E+00	8.38E+00	8.81E+00	1.01E+02
2831	490169.73	3859205.34	8.3142	5.19732	37.13638	11.12959	19.78906	10.64806	4.80095	5.19732	8.53E+01	2.34E+00	9.42E-04	5.76E-01	9.12E+00	1.47E+00	8.29E+00	8.61E+00	9.84E+01
2832	490219.73	3859205.34	8.13838	4.82115	28.96525	10.65299	19.78737	10.09882	4.23844	4.82115	8.35E+01	2.17E+00	7.35E-04	5.51E-01	9.12E+00	1.40E+00	7.32E+00	7.99E+00	9.60E+01
2833	490269.73	3859205.34	7.98852	4.50727	30.47531	9.96304	21.85615	9.60822	3.81686	4.50727	8.19E+01	2.03E+00	7.73E-04	5.16E-01	1.01E+01	1.33E+00	6.59E+00	7.47E+00	9.50E+01
2834	490319.73	3859205.34	7.80339	4.275	33.63014	9.47991	23.60666	9.10882	3.60023	4.275	8.00E+01	1.92E+00	8.53E-04	4.91E-01	1.09E+01	1.26E+00	6.22E+00	7.08E+00	9.37E+01
2835	490069.73	3859255.34	8.98328	5.69798	49.57588	13.76895	22.01711	12.35211	5.15014	5.69798	9.21E+01	2.56E+00	1.26E-03	7.13E-01	1.01E+01	1.71E+00	8.89E+00	9.44E+00	1.07E+02
2836	490119.73	3859255.34	8.75932	5.48204	34.7241	12.77429	21.42801	11.83578	4.90163	5.48204	8.98E+01	2.47E+00	8.81E-04	6.61E-01	9.87E+00	1.64E+00	8.46E+00	9.08E+00	1.04E+02
2837	490169.73	3859255.34	8.55629	5.43817	41.63559	11.87021	20.62204	11.32582	4.99484	5.43817	8.77E+01	2.45E+00	1.06E-03	6.14E-01	9.50E+00	1.57E+00	8.62E+00	9.01E+00	1.01E+02
2838	490219.73	3859255.34	8.38519	5.24916	39.88854	11.51029	19.67375	10.70902	4.93703	5.24916	8.60E+01	2.36E+00	1.01E-03	5.96E-01	9.07E+00	1.48E+00	8.52E+00	8.70E+00	9.93E+01
2839	490269.73	3859255.34	8.22549	4.87884	33.10953	10.55576	18.66712	10.35499	4.35503	4.87884	8.43E+01	2.20E+00	8.40E-04	5.46E-01	8.60E+00	1.43E+00	7.52E+00	8.08E+00	9.66E+01
2840	490319.73	3859255.34	8.05055	4.61726	31.62504	10.08626	20.59687	9.84349	4.00564	4.61726	8.26E+01	2.08E+00	8.02E-04	5.22E-01	9.49E+00	1.36E+00	6.92E+00	7.65E+00	9.53E+01
2841	490069.73	3859305.34	9.22369	6.82122	56.01342	15.7493	21.66355	13.04966	7.08138	6.82122	9.46E+01	3.07E+00	1.42E-03	8.15E-01	9.98E+00	1.80E+00	1.22E+01	1.13E+01	1.11E+02
2842	490119.73	3859305.34	8.98443	5.97846	47.647	14.21402	21.46056	12.46372	5.50948	5.97846	9.21E+01	2.69E+00	1.21E-03	7.36E-01	9.89E+00	1.72E+00	9.51E+00	9.91E+00	1.07E+02
2843	490169.73	3859305.34	8.77824	5.61195	36.32184	13.0369	21.01694	11.90846	5.18537	5.61195	9.00E+01	2.53E+00	9.21E-04	6.75E-01	9.69E+00	1.65E+00	8.95E+00	9.30E+00	1.04E+02
2844	490219.73	3859305.34	8.6002	5.59845	32.57317	11.93338	20.36561	11.32075	5.10105	5.59845	8.82E+01	2.52E+00	8.26E-04	6.18E-01	9.39E+00	1.57E+00	8.81E+00	9.28E+00	1.02E+02
2845	490269.73	3859305.34	8.43076	5.32806	36.01418	11.60888	19.46931	10.71223	5.12427	5.32806	8.64E+01	2.40E+00	9.14E-04	6.01E-01	8.97E+00	1.48E+00	8.85E+00	8.83E+00	9.99E+01
2846	490319.73	3859305.34	8.28239	4.99226	37.35163	10.7683	18.40341	10.40092	4.54864	4.99226	8.49E+01	2.25E+00	9.48E-04	5.57E-01	8.48E+00	1.44E+00	7.85E+00	8.27E+00	9.72E+01
2847	490069.73	3859355.34	9.5251	9.95029	46.09087	19.62931	20.76585	13.9362	10.1886	9.95029	9.77E+01	4.48E+00	1.17E-03	1.02E+00	9.57E+00	1.93E+00	1.76E+01	1.65E+01	1.16E+02
2848	490119.73	3859355.34	9.23409	8.31063	41.22271	16.83175	20.96774	13.14966	8.56499	8.31063	9.47E+01	3.74E+00	1.05E-03	8.71E-01	9.66E+00	1.82E+00	1.48E+01	1.38E+01	1.12E+02
2849	490169.73	3859355.34	9.00111	6.29633	38.10252	14.89394	20.92087	12.49317	6.53323	6.29633	9.23E+01	2.83E+00	9.67E-04	7.71E-01	9.64E+00	1.73E+00	1.13E+01	1.04E+01	1.08E+02
2850	490219.73	3859355.34	8.81088	5.97188	35.41297	13.44158	20.63783	11.86712	5.45352	5.97188	9.03E+01	2.69E+00	8.98E-04	6.96E-01	9.51E+00	1.64E+00	9.42E+00	9.90E+00	1.04E+02
2851	490269.73	3859355.34	8.62799	5.64213	35.31205	12.12427	20.03777	11.28423	5.24315	5.64213	8.85E+01	2.54E+00	8.96E-04	6.28E-01	9.23E+00	1.56E+00	9.05E+00	9.35E+00	1.02E+02
2852	490319.73	3859355.34	8.46935	5.44974	34.26038	11.75933	19.23413	10.59491	5.33328	5.44974	8.68E+01	2.45E+00	8.69E-04	6.09E-01	8.86E+00	1.46E+00	9.21E+00	9.03E+00	1.00E+02
2853	490069.73	3859405.34	10.03435	12.17726	54.28124	27.7907	20.04132	15.35897	12.4362	12.17726	1.03E+02	5.48E+00	1.38E-03	1.44E+00	9.24E+00	2.12E+00	2.15E+01	2.02E+01	1.22E+02
2854	490119.73	3859405.34	9.61426	11.17105	46.14013	21.90915	20.07432	14.16015	11.4704	11.17105	9.86E+01	5.03E+00	1.17E-03	1.13E+00	9.25E+00	1.96E+00	1.98E+01	1.85E+01	1.17E+02
2855	490169.73	3859405.34	9.30477	9.65521	42.75816	18.29403	20.42637	13.28576	9.93708	9.65521	9.54E+01	4.35E+00	1.08E-03	9.47E-01	9.41E+00	1.84E+00	1.72E+01	1.60E+01	1.13E+02
2856	490219.73	3859405.34	9.05466	7.51531	40.20062	15.83613	20.46684	12.53	7.79715	7.51531	9.28E+01	3.38E+00	1.02E-03	8.20E-01	9.43E+00	1.73E+00	1.35E+01	1.25E+01	1.09E+02
2857	490269.73	3859405.34	8.85084	6.29347	37.51689	14.0518	20.24289	11.82843	5.74384	6.29347	9.08E+01	2.83E+00	9.52E-04	7.27E-01	9.33E+00	1.64E+00	9.92E+00	1.04E+01	1.05E+02
2858	490319.73	3859405.34	8.67024	5.90787	34.92945	12.60195	19.73599	11.1788	5.34747	5.90787	8.89E+01	2.66E+00	8.86E-04	6.52E-01	9.10E+00	1.55E+00	9.23E+00	9.79E+00	1.02E+02
2859	490161.89	3859541.83	12.63445	16.05479	36.1658	42.222	18.7673	25.57626	16.169	16.05479	1.30E+02	7.23E+00	9.17E-04	2.19E+00	8.65E+00	3.54E+00	2.79E+01	2.66E+01	1.52E+02
2860	490171.89	3859541.83	12.47567	15.97534	35.87598	47.026	18.7819	27.96482	16.113	15.97534	1.28E+02	7.19E+00	9.10E-04	2.43E+00	8.66E+00	3.87E+00	2.78E+01	2.65E+01	1.51E+02
2861	490161.89	3859551.83	12.86153	16.4633	34.85632	36.52379	18.65261	21.73546	16.5486	16.4633	1.32E+02	7.41E+00	8.84E-04	1.89E+00	8.60E+00	3.00E+00	2.86E+01	2.73E+01	1.54E+02
2862	490171.89	3859551.83	12.71595	16.37849	34.91671	39.13435	18.67656	23.60613	16.4871	16.37849	1.30E+02	7.37E+00	8.86E-04	2.03E+00	8.61E+00	3.26E+00	2.85E+01	2.71E+01	1.53E+02
2863	489799.72	3859348.21	12.76817	12.003	53.33513	35.6119	26.44924	23.14572	12.0245	12.003	1.31E+02	5.40E+00	1.35E-03	1.84E+00	1.22E+01	3.20E+00	2.08E+01	1.99E+01	1.54E+02
2864	489819.72	3859348.21	12.52476	11.99419	77.48549	42.23472	25.00124	27.27883	12.0246	11.99419	1.28E+02	5.40E+00	1.97E-03	2.19E+00	1.15E+01	3.77E+00	2.08E+01	1.99E+01	1.52E+02
2865	489799.72	3859368.21	13.03321	13.07662	92.86953	29.82953	27.41784	17.7985	12.4779	13.07662	1.34E+02	5.89E+00	2.36E-03	1.54E+00	1.26E+01	2.46E+00	2.15E+01	2.17E+01	1.56E+02
2866	489819.72	3859368.21	12.79392	12.32661	109.0679	32.57114	26.01208	21.09376	12.333	12.32661	1.31E+02	5.55E+00	2.77E-03	1.69E+00	1.20E+01	2.92E+00	2.13E+01	2.04E+01	1.54E+02
2867	489775.41	3859329.72	12.6898	11.77788	99.15703	36.54015	27.24972	23.06016	11.8047	11.77788	1.30E+02	5.30E+00	2.52E-03	1.89E+00	1.26E+01	3.19E+00	2.04E+01	1.95E+01	1.54E+02
2868	489795.41	3859329.72	12.52571	11.76202	44.6588	42.61704	25.79008	29.08033	11.7979	11.76202	1.28E+02	5.29E+00	1.13E-03	2.21E+00	1.19E+01	4.02E+00	2.04E+01	1.95E+01	1.53E+02
2869	489775.41	3859349.72	13.00582	12.67348	97.55062	30.59591	28.26291	18.79762	12.1961	12.67348	1.33E+02	5.70E+00	2.47E-03	1.58E+00	1.30E+01	2.60E+00	2.11E+01	2.10E+01	1.56E+02
2870	489795.41	3859349.72	12.83354	12.04081	55.66418	33.6894	26.83708	22.00036	12.06	12.04081	1.32E+02	5.42E+00	1.41E-03	1.74E+00	1.24E+01	3.04E+00	2.08E+01	2.00E+01	1.55E+02
2871	489595.05	3859219.43	12.46955	10.73941	42.00362	35.66011	35.30558	18.61961	10.7963	10.73941	1.28E+02	4.83E+00	1.07E-03	1.85E+00	1.63E+01	2.57E+00	1.86E+01	1.78E+01	1.54E+02
2872	489615.05	3859219.43	12.36341	10.60703	36.11018	40.1538	33.82649	21.83963	10.6692	10.60703	1.27E+02	4.77E+00	9.16E-04	2.08E+00	1.56E+01	3.02E+00	1.84E+01	1.76E+01	1.53E+02
2873	489595.05	3859239.43	12.66841	11.86983	44.73317	30.29807	36.18851	16.26496	11.3426	11.86983	1.30E+02	5.34E+00	1.13E-03	1.57E+00	1.67E+01	2.25E+00	1.96E+01	1.97E+01	1.56E+02
2874	489615.05	3859239.43	12.54004	11.22069	46.74418	33.48431	34.77878	17.75627	11.0452	11.22069	1.29E+02	5.05E+00	1.19E-03	1.73E+00	1.60E+01	2.45E+00	1.91E+01	1.86E+01	1.54E+02
2875	489372.4	3859092.58	11.82575	10.49213	33.84373	35.75906	45.77105	16.40095	10.3689	10.49213	1.21E+02	4.72E+00	8.59E-04	1.85E+00	2.11E+01	2.27E+00	1.79E+01	1.74E+01	1.52E+02
2876	489422.4	3859092.58	11.87842	9.71247	29.05923	43.20854	42.53954	22.32877	9.81656	9.71247	1.22E+02	4.37E+00	7.37E-04	2.24E+00	1.96E+01	3.09E+00	1.69E+01	1.61E+01	1.52E+02
2877	489372.4	3859142.58	12.2738	13.7665	30.30542	27.38427	46.67448	13.4402	13.1258	13.7665	1.26E+02	6.20E+00	7.69E-04	1.42E+00	2.15E+01	1.86E+00	2.27E+01	2.28E+01	1.57E+02
2878	489422.4	3859142.58	12.02604	11.71396	37.10214	31.61531	44.14128	14.50306	11.2265	11.71396	1.23E+02	5.27E+00	9.41E-04	1.64E+00	2.03E+01	2.01E+00	1.94E+01	1.94E+01	1.53E+02
2879	488870.84	3858666.64	13.90548	7.17995	19.45754	45.295	79.98448	21.18699	8.05774	7.17995	1.43E+02	3.23E+00	4.94E-04	2.34E+00	3.69E+01	2.93E+00	1.39E+01	1.19E+01	1.90E+02
2880	488900.84	3858666.64	13.77363	7.00358	18.58472	57.1136	73.87422	26.04919	7.57129	7.00358	1.41E+02	3.15E+00	4.71E-04	2.96E+00	3.40E+01	3.60E+00	1.31E+01	1.16E+01	1.86E+02
2881	488870.84	3858696.64	14.02645	7.5474	20.01135	36.59258	82.27555	17.60499	8.68682	7.5474	1.44E+02	3.40E+00	5.08E-04	1.89E+00	3.79E+01	2.43E+00	1.50E+01	1.25E+01	1.92E+02
2882	488900.84	3858696.64	13.81301	7.38238	20.28489	44.96887	76.54363	21.07853	8.11485	7.38238	1.42E+02	3.32E+00	5.15E-04	2.33E+00	3.53E+01	2.91E+00	1.40E+01	1.22E+01	1.87E+02
2883	488889.67	3858683.97	13.86911	7.28815	19.943	45.65834	77.71853	21.35038	8.06414	7.28815	1.42E+02	3.28E+00	5.06E-04	2.36E+00	3.58E+01	2.95E+00	1.39E+01	1.21E+01	1.88E+02
2884	488919.67	3858683.97	13.66815	7.11518	19.04065	57.58875	71.59824	26.16611	7.57875	7.11518	1.40E+02	3.20E+00	4.83E-04	2.98E+00	3.30E+01	3.62E+00	1.31E+01	1.18E+01	1.84E+02
2885	488889.67	3858713.97	13.92709	7.65943	20.4486	36.38209	80.06607	17.58267	8.69268	7.65943	1.43E+02	3.45E+00	5.19E-04	1.88E+00	3.69E+01	2.43E+00	1.50E+01	1.27E+01	1.90E+02
2886	488919.67	3858713.97	13.68573	7.49171	20.77775	45.18222	74.33991	21.21235	8.12177	7.49171	1.40E+02	3.37E+00	5.27E-04	2.34E+00	3.43E+01	2.93E+00	1.40E+01	1.24E+01	1.85E+02
2887	488906.61	3858703.33	13.77751	7.43113	20.46784	44.55163	75.96241	20.92079	8.1442	7.43113	1.41E+02	3.34E+00	5.19E-04	2.31E+00	3.50E+01	2.89E+00	1.41E+01	1.23E+01	1.87E+02

2888	488936.61	3858703.33	13.55188	7.26635	19.75726	56.33549	70.03905	25.63502	7.64897	7.26635	1.39E+02	3.27E+00	5.01E-04	2.92E+00	3.23E+01	3.54E+00	1.32E+01	1.20E+01	1.82E+02
2889	488906.61	3858733.33	13.81145	7.81297	20.9251	35.01604	78.5332	17.09408	8.78226	7.81297	1.42E+02	3.52E+00	5.31E-04	1.81E+00	3.62E+01	2.36E+00	1.52E+01	1.29E+01	1.88E+02
2890	488936.61	3858733.33	13.56331	7.63731	21.42569	44.02555	72.80413	20.85068	8.20114	7.63731	1.39E+02	3.44E+00	5.44E-04	2.28E+00	3.36E+01	2.88E+00	1.42E+01	1.27E+01	1.83E+02
2891	488637.63	3858467.85	14.29654	6.10689	16.83758	37.5045	112.1979	18.34764	8.30995	6.10689	1.47E+02	2.75E+00	4.27E-04	1.94E+00	5.17E+01	2.54E+00	1.43E+01	1.01E+01	2.10E+02
2892	488662.63	3858467.85	14.25565	5.93676	16.62679	43.21071	107.5981	21.14667	7.84073	5.93676	1.46E+02	2.67E+00	4.22E-04	2.24E+00	4.96E+01	2.92E+00	1.35E+01	9.84E+00	2.07E+02
2893	488637.63	3858492.85	14.24301	6.39773	16.1971	33.3284	112.5426	16.1721	8.89835	6.39773	1.46E+02	2.88E+00	4.11E-04	1.73E+00	5.19E+01	2.24E+00	1.54E+01	1.06E+01	2.10E+02
2894	488662.63	3858492.85	14.16276	6.23924	16.27862	37.36644	108.5774	18.1474	8.36038	6.23924	1.45E+02	2.81E+00	4.13E-04	1.93E+00	5.00E+01	2.51E+00	1.44E+01	1.03E+01	2.07E+02
2895	488687.63	3858492.85	14.04901	6.09611	16.26237	43.08766	104.0676	20.93852	7.89378	6.09611	1.44E+02	2.74E+00	4.13E-04	2.23E+00	4.80E+01	2.89E+00	1.36E+01	1.01E+01	2.03E+02
2896	488637.63	3858517.85	14.142	6.6975	16.62585	30.66074	112.3824	14.41028	9.57848	6.6975	1.45E+02	3.01E+00	4.22E-04	1.59E+00	5.18E+01	1.99E+00	1.65E+01	1.11E+01	2.09E+02
2897	488662.63	3858517.85	14.0354	6.54965	16.12537	33.16254	109.0823	16.02246	8.95169	6.54965	1.44E+02	2.95E+00	4.09E-04	1.72E+00	5.03E+01	2.22E+00	1.55E+01	1.09E+01	2.06E+02
2898	488687.63	3858517.85	13.91077	6.39777	16.07923	37.23057	105.0373	17.96495	8.4104	6.39777	1.43E+02	2.88E+00	4.08E-04	1.93E+00	4.84E+01	2.48E+00	1.45E+01	1.06E+01	2.02E+02
2899	488194.42	3857168.98	7.23568	1.82656	17.46384	7.71858	145.7197	7.57952	3.84371	1.82656	7.42E+01	8.22E-01	4.43E-04	4.00E-01	6.72E+01	1.05E+00	6.64E+00	3.03E+00	1.47E+02
2900	488244.42	3857168.98	7.10236	1.84178	14.82638	7.42958	136.4071	8.7632	3.75456	1.84178	7.28E+01	8.29E-01	3.76E-04	3.85E-01	6.29E+01	1.21E+00	6.48E+00	3.05E+00	1.42E+02
2901	488294.42	3857168.98	6.98385	1.84076	10.54357	7.09922	128.1757	8.65921	3.66023	1.84076	7.16E+01	8.28E-01	2.67E-04	3.68E-01	5.91E+01	1.20E+00	6.32E+00	3.05E+00	1.36E+02
2902	488244.42	3857218.98	7.21715	1.86728	11.44074	7.81784	144.2659	9.08985	3.82478	1.86728	7.40E+01	8.40E-01	2.90E-04	4.05E-01	6.65E+01	1.26E+00	6.60E+00	3.09E+00	1.47E+02
2903	488294.42	3857218.98	7.09078	1.87204	14.77533	7.47728	136.3096	8.40153	3.73424	1.87204	7.27E+01	8.43E-01	3.75E-04	3.87E-01	6.28E+01	1.16E+00	6.45E+00	3.10E+00	1.41E+02
2904	488294.42	3857268.98	7.18006	1.91351	17.11471	7.91583	138.1933	7.86365	3.79229	1.91351	7.36E+01	8.61E-01	4.34E-04	4.10E-01	6.37E+01	1.09E+00	6.55E+00	3.17E+00	1.43E+02
2905	488139.13	3857111.68	7.22769	1.79221	15.19025	7.61677	140.4041	5.10985	3.86133	1.79221	7.41E+01	8.07E-01	3.85E-04	3.94E-01	6.47E+01	7.06E-01	6.67E+00	2.97E+00	1.44E+02
2906	488189.13	3857111.68	7.08969	1.81534	16.21851	7.38314	130.3445	6.58717	3.76082	1.81534	7.27E+01	8.17E-01	4.11E-04	3.82E-01	6.01E+01	9.11E-01	6.49E+00	3.01E+00	1.38E+02
2907	488189.13	3857161.68	7.23021	1.82277	17.59693	7.70144	144.8878	7.30765	3.84306	1.82277	7.41E+01	8.20E-01	4.46E-04	3.99E-01	6.68E+01	1.01E+00	6.64E+00	3.02E+00	1.47E+02
2908	487951.04	3856961.26	7.24532	1.83971	9.1435	7.41607	121.432	4.96846	3.99152	1.83971	7.43E+01	8.28E-01	2.32E-04	3.84E-01	5.60E+01	6.87E-01	6.89E+00	3.05E+00	1.36E+02
2909	488001.04	3856961.26	7.12319	1.87178	8.82419	7.29426	115.758	4.47977	3.8735	1.87178	7.30E+01	8.42E-01	2.24E-04	3.78E-01	5.33E+01	6.19E-01	6.69E+00	3.10E+00	1.32E+02
2910	488051.04	3856961.26	7.02081	1.90003	7.05811	6.98042	111.6031	3.90492	3.76132	1.90003	7.20E+01	8.55E-01	1.79E-04	3.61E-01	5.14E+01	5.40E-01	6.49E+00	3.15E+00	1.29E+02
2911	488101.04	3856961.26	6.88505	1.91572	7.22805	6.8213	105.5415	4.06174	3.64302	1.91572	7.06E+01	8.62E-01	1.83E-04	3.53E-01	4.86E+01	5.62E-01	6.29E+00	3.17E+00	1.24E+02
2912	487951.04	3857011.26	7.39051	1.77563	9.70407	7.7744	132.9383	5.23732	4.08189	1.77563	7.58E+01	7.99E-01	2.46E-04	4.02E-01	6.13E+01	7.24E-01	7.05E+00	2.94E+00	1.43E+02
2913	488001.04	3857011.26	7.27894	1.80922	8.00175	7.55881	130.6346	4.67094	3.97436	1.80922	7.46E+01	8.14E-01	2.03E-04	3.91E-01	6.02E+01	6.46E-01	6.86E+00	3.00E+00	1.41E+02
2914	488051.04	3857011.26	7.16853	1.84062	6.95682	7.29917	123.7834	4.10621	3.86678	1.84062	7.35E+01	8.28E-01	1.76E-04	3.78E-01	5.70E+01	5.68E-01	6.68E+00	3.05E+00	1.36E+02
2915	488101.04	3857011.26	7.02856	1.86002	6.73429	7.16268	113.023	4.23564	3.75365	1.86002	7.21E+01	8.37E-01	1.71E-04	3.71E-01	5.21E+01	5.86E-01	6.48E+00	3.08E+00	1.29E+02
2916	488001.04	3857061.26	7.42951	1.78405	7.75913	7.85582	145.2132	4.90631	4.05893	1.78405	7.62E+01	8.03E-01	1.97E-04	4.07E-01	6.69E+01	6.78E-01	7.01E+00	2.96E+00	1.49E+02
2917	488051.04	3857061.26	7.30061	1.77546	7.58838	7.72961	139.8505	4.3465	3.95444	1.77546	7.49E+01	7.99E-01	1.93E-04	4.00E-01	6.44E+01	6.01E-01	6.83E+00	2.94E+00	1.45E+02
2918	488101.04	3857061.26	7.17035	1.79785	7.89462	7.53332	130.7017	4.38289	3.8502	1.79785	7.35E+01	8.09E-01	2.00E-04	3.90E-01	6.02E+01	6.06E-01	6.65E+00	2.98E+00	1.39E+02
2919	487638.98	3856673.79	7.18003	1.98187	7.87506	7.12085	120.7165	4.40185	4.21603	1.98187	7.36E+01	8.92E-01	2.00E-04	3.69E-01	5.56E+01	6.09E-01	7.28E+00	3.28E+00	1.35E+02
2920	487688.98	3856673.79	7.06236	2.02462	7.81428	6.73406	121.7264	4.35534	4.05659	2.02462	7.24E+01	9.11E-01	1.98E-04	3.49E-01	5.61E+01	6.02E-01	7.00E+00	3.35E+00	1.34E+02
2921	487638.98	3856723.79	7.30994	1.90979	8.66368	7.61593	128.75	4.62198	4.35	1.90979	7.50E+01	8.59E-01	2.20E-04	3.94E-01	5.93E+01	6.39E-01	7.51E+00	3.16E+00	1.41E+02
2922	487688.98	3856723.79	7.18974	1.95321	8.41173	7.14745	128.3569	4.51699	4.19685	1.95321	7.37E+01	8.79E-01	2.13E-04	3.70E-01	5.92E+01	6.24E-01	7.25E+00	3.24E+00	1.39E+02
2923	486324.61	3855740.57	7.71621	2.27504	9.66893	7.66805	51.43196	4.35632	4.18135	2.27504	7.91E+01	1.02E+00	2.45E-04	3.97E-01	2.37E+01	6.02E-01	7.22E+00	3.77E+00	1.08E+02
2924	486374.61	3855740.57	7.73087	2.38011	8.9459	7.57332	50.66352	4.16367	4.13242	2.38011	7.93E+01	1.07E+00	2.27E-04	3.92E-01	2.33E+01	5.76E-01	7.13E+00	3.94E+00	1.08E+02
2925	486424.61	3855740.57	7.6386	2.48268	8.5307	7.41949	49.43293	4.02823	4.06643	2.48268	7.83E+01	1.12E+00	2.16E-04	3.84E-01	2.28E+01	5.57E-01	7.02E+00	4.11E+00	1.06E+02
2926	486324.61	3855790.57	7.94744	2.13331	8.82284	9.40962	50.43603	4.72033	4.84015	2.13331	8.15E+01	9.60E-01	2.24E-04	4.87E-01	2.32E+01	6.53E-01	8.36E+00	3.53E+00	1.12E+02
2927	486374.61	3855790.57	7.94008	2.22286	7.75849	8.23425	51.64219	4.21029	4.27856	2.22286	8.14E+01	1.00E+00	1.97E-04	4.26E-01	2.38E+01	5.82E-01	7.39E+00	3.68E+00	1.11E+02
2928	486424.61	3855790.57	7.80209	2.31527	7.13339	7.34234	52.33122	4.11494	3.97759	2.31527	8.00E+01	1.04E+00	1.81E-04	3.80E-01	2.41E+01	5.69E-01	6.87E+00	3.84E+00	1.09E+02
2929	486324.61	3855840.57	8.19013	2.00929	8.44001	10.81653	47.72786	5.42448	5.57776	2.00929	8.40E+01	9.04E-01	2.14E-04	5.60E-01	2.20E+01	7.50E-01	9.63E+00	3.33E+00	1.14E+02
2930	486374.61	3855840.57	8.05671	2.08135	8.19658	9.82777	52.21552	4.93941	5.07953	2.08135	8.26E+01	9.37E-01	2.08E-04	5.09E-01	2.41E+01	6.83E-01	8.77E+00	3.45E+00	1.14E+02
2931	486424.61	3855840.57	7.96226	2.16471	7.83178	8.79548	54.1171	4.45884	4.58573	2.16471	8.16E+01	9.74E-01	1.99E-04	4.55E-01	2.49E+01	6.16E-01	7.92E+00	3.59E+00	1.13E+02
2932	486324.61	3855890.57	8.32564	1.91384	8.96259	12.12974	44.15496	6.03042	6.34536	1.91384	8.54E+01	8.61E-01	2.27E-04	6.28E-01	2.03E+01	8.34E-01	1.10E+01	3.17E+00	1.16E+02
2933	486374.61	3855890.57	8.20059	1.97065	8.75839	11.10553	50.63787	5.5756	5.82804	1.97065	8.41E+01	8.87E-01	2.22E-04	5.75E-01	2.33E+01	7.71E-01	1.01E+01	3.27E+00	1.16E+02
2934	486424.61	3855890.57	8.11293	2.03202	8.42812	10.1977	54.53143	5.14682	5.3158	2.03202	8.32E+01	9.15E-01	2.14E-04	5.28E-01	2.51E+01	7.12E-01	9.18E+00	3.37E+00	1.16E+02
2935	488735.69	3858285.64	10.99793	4.4173	16.26102	20.13012	68.70415	13.53606	4.94385	4.4173	1.13E+02	1.99E+00	4.13E-04	1.04E+00	3.17E+01	1.87E+00	8.54E+00	7.32E+00	1.51E+02
2936	488765.69	3858285.64	10.71578	4.34504	15.92814	18.92587	64.36673	13.09584	4.78077	4.34504	1.10E+02	1.96E+00	4.04E-04	9.80E-01	2.97E+01	1.81E+00	8.25E+00	7.20E+00	1.45E+02
2937	488735.69	3858315.64	11.65166	4.55038	16.90417	21.80471	72.28831	14.20886	5.16187	4.55038	1.19E+02	2.05E+00	4.29E-04	1.13E+00	3.33E+01	1.96E+00	8.91E+00	7.54E+00	1.59E+02
2938	488765.69	3858315.64	11.2485	4.46325	16.44959	20.39831	66.64188	13.72001	4.97979	4.46325	1.15E+02	2.01E+00	4.17E-04	1.06E+00	3.07E+01	1.90E+00	8.60E+00	7.40E+00	1.52E+02
2939	478676.63	3849871.93	5.06749	5.54253	1.21785	3.96498	5.27605	3.23706	5.58729	5.54253	5.20E+01	2.49E+00	3.09E-05	2.05E-01	2.43E+00	4.48E-01	9.65E+00	9.18E+00	5.80E+01
2940	479326.63	3849871.93	6.23907	3.80715	0.85321	2.42267	5.20349	2.38358	3.82917	3.80715	6.40E+01	1.71E+00	2.16E-05	1.25E-01	2.40E+00	3.30E-01	6.61E+00	6.31E+00	6.88E+01
2941	479376.63	3849871.93	6.31416	3.737	0.8731	2.30998	4.8497	2.35083	3.7586	3.737	6.47E+01	1.68E+00	2.21E-05	1.20E-01	2.23E+00	3.25E-01	6.49E+00	6.19E+00	6.94E+01
2942	479426.63	3849871.93	6.37252	3.70112	0.88421	2.174	4.48259	2.35771	3.72378	3.70112	6.53E+01	1.67E+00	2.24E-05	1.13E-01	2.07E+00	3.26E-01	6.43E+00	6.13E+00	6.98E+01
2943	478726.63	3849921.93	5.14906	5.9987	1.23297	3.99827	5.23919	3.30459	6.04068	5.9987	5.28E+01	2.70E+00	3.13E-05	2.07E-01	2.41E+00	4.57E-01	1.04E+01	9.94E+00	5.91E+01
2944	478776.63	3849921.93	5.34441	5.68881	1.17311	3.87718	5.4944	3.42189	5.73219	5.68881	5.48E+01	2.56E+00	2.98E-05	2.01E-01	2.53E+00	4.73E-01	9.90E+00	9.43E+00	6.10E+01
2945	478826.63	3849921.93	5.49256	5.38311	1.11831	3.73096	5.73158	3.47522	5.42191	5.38311	5.63E+01	2.42E+00	2.84E-05	1.93E-01	2.64E+00	4.80E-01	9.36E+00	8.92E+00	6.25E+01
2946	478976.63	3849921.93	5.78573	4.74187	0.98612	3.12268	6.2396	3.33448	4.747	4.74187	5.93E+01	2.13E+00	2.50E-05	1.62E-01	2.88E+00	4.61E-01	8.20E+00	7.86E+00	6.53E+01

2947	479026.63	3849921.93	5.82773	4.80131	0.95508	2.87073	6.26897	3.2713	4.62645	4.80131	5.98E+01	2.16E+00	2.42E-05	1.49E-01	2.89E+00	4.52E-01	7.99E+00	7.96E+00	6.54E+01
2948	479076.63	3849921.93	5.87562	4.75812	0.92162	2.62294	6.28605	3.15678	4.48472	4.75812	6.02E+01	2.14E+00	2.34E-05	1.36E-01	2.90E+00	4.36E-01	7.74E+00	7.88E+00	6.57E+01
2949	479126.63	3849921.93	5.92189	4.64831	0.8885	2.56989	6.26106	3.02526	4.34791	4.64831	6.07E+01	2.09E+00	2.25E-05	1.33E-01	2.89E+00	4.18E-01	7.51E+00	7.70E+00	6.61E+01
2950	479176.63	3849921.93	5.96005	4.55415	0.85852	2.58069	6.16016	2.92465	4.21642	4.55415	6.11E+01	2.05E+00	2.18E-05	1.34E-01	2.84E+00	4.04E-01	7.28E+00	7.55E+00	6.63E+01
2951	479226.63	3849921.93	6.03428	4.24381	0.8227	2.59322	6.05073	2.73856	4.15324	4.24381	6.19E+01	1.91E+00	2.09E-05	1.34E-01	2.79E+00	3.79E-01	7.17E+00	7.03E+00	6.72E+01
2952	479276.63	3849921.93	6.13873	4.05637	0.80593	2.59612	5.89173	2.51616	4.0881	4.05637	6.29E+01	1.83E+00	2.04E-05	1.34E-01	2.72E+00	3.48E-01	7.06E+00	6.72E+00	6.83E+01
2953	479326.63	3849921.93	6.17775	4.00618	0.84084	2.50691	5.59468	2.61005	4.01309	4.00618	6.33E+01	1.80E+00	2.13E-05	1.30E-01	2.58E+00	3.61E-01	6.93E+00	6.64E+00	6.85E+01
2954	479376.63	3849921.93	6.29198	3.80679	0.86788	2.44782	5.30276	2.43093	3.83489	3.80679	6.45E+01	1.71E+00	2.20E-05	1.27E-01	2.44E+00	3.36E-01	6.62E+00	6.31E+00	6.95E+01
2955	479426.63	3849921.93	6.34942	3.82861	0.8862	2.32856	4.96672	2.49808	3.85109	3.82861	6.51E+01	1.72E+00	2.25E-05	1.21E-01	2.29E+00	3.45E-01	6.65E+00	6.34E+00	6.99E+01
2956	478726.63	3849971.93	4.99048	6.69533	1.31672	4.11404	4.92362	3.20163	6.73683	6.69533	5.12E+01	3.01E+00	3.34E-05	2.13E-01	2.27E+00	4.43E-01	1.16E+01	1.11E+01	5.76E+01
2957	478776.63	3849971.93	5.24089	6.38289	1.24666	4.03991	5.20592	3.36647	6.42453	6.38289	5.37E+01	2.87E+00	3.16E-05	2.09E-01	2.40E+00	4.65E-01	1.11E+01	1.06E+01	6.02E+01
2958	478826.63	3849971.93	5.4304	6.08385	1.18412	3.92771	5.47281	3.47274	6.12296	6.08385	5.57E+01	2.74E+00	3.00E-05	2.03E-01	2.52E+00	4.80E-01	1.06E+01	1.01E+01	6.21E+01
2959	478976.63	3849971.93	5.73302	5.23957	1.0438	3.38205	6.04628	3.51418	5.27769	5.23957	5.88E+01	2.36E+00	2.65E-05	1.75E-01	2.79E+00	4.86E-01	9.11E+00	8.68E+00	6.50E+01
2960	479026.63	3849971.93	5.81394	4.96376	1.00226	3.16523	6.19012	3.42042	5.00015	4.96376	5.96E+01	2.23E+00	2.54E-05	1.64E-01	2.85E+00	4.73E-01	8.63E+00	8.22E+00	6.57E+01
2961	479076.63	3849971.93	5.87725	4.93235	0.96451	2.92706	6.28436	3.30223	4.75107	4.93235	6.03E+01	2.22E+00	2.45E-05	1.52E-01	2.90E+00	4.57E-01	8.20E+00	8.17E+00	6.60E+01
2962	479126.63	3849971.93	5.91942	4.88243	0.93086	2.68089	6.31137	3.18653	4.58581	4.88243	6.07E+01	2.20E+00	2.36E-05	1.39E-01	2.91E+00	4.41E-01	7.92E+00	8.09E+00	6.62E+01
2963	479176.63	3849971.93	5.95184	4.77546	0.89872	2.56547	6.27685	3.05604	4.45285	4.77546	6.10E+01	2.15E+00	2.28E-05	1.33E-01	2.89E+00	4.23E-01	7.69E+00	7.91E+00	6.64E+01
2964	479226.63	3849971.93	6.06759	4.44886	0.85082	2.65051	6.33731	2.74218	4.47875	4.44886	6.22E+01	2.00E+00	2.16E-05	1.37E-01	2.92E+00	3.79E-01	7.73E+00	7.37E+00	6.80E+01
2965	479276.63	3849971.93	6.07651	4.36042	0.83136	2.61013	6.12004	2.77996	4.24329	4.36042	6.23E+01	1.96E+00	2.11E-05	1.35E-01	2.82E+00	3.84E-01	7.33E+00	7.22E+00	6.77E+01
2966	479326.63	3849971.93	6.11158	4.40186	0.82237	2.54887	5.87196	2.78151	4.11275	4.40186	6.27E+01	1.98E+00	2.09E-05	1.32E-01	2.71E+00	3.85E-01	7.10E+00	7.29E+00	6.77E+01
2967	479376.63	3849971.93	6.24215	4.04062	0.85688	2.54057	5.69279	2.58579	4.06371	4.04062	6.40E+01	1.82E+00	2.17E-05	1.32E-01	2.62E+00	3.57E-01	7.02E+00	6.70E+00	6.93E+01
2968	479426.63	3849971.93	6.31864	3.9431	0.88222	2.45389	5.39416	2.57978	3.95807	3.9431	6.48E+01	1.77E+00	2.24E-05	1.27E-01	2.49E+00	3.57E-01	6.83E+00	6.53E+00	6.98E+01
2969	478726.63	3850021.93	4.79519	7.31404	1.41252	4.1684	4.58621	3.05446	7.3479	7.31404	4.92E+01	3.29E+00	3.58E-05	2.16E-01	2.11E+00	4.22E-01	1.27E+01	1.21E+01	5.58E+01
2970	478776.63	3850021.93	5.0935	6.997	1.33086	4.1494	4.88796	3.26501	7.03316	6.997	5.22E+01	3.15E+00	3.38E-05	2.15E-01	2.25E+00	4.51E-01	1.21E+01	1.16E+01	5.88E+01
2971	478826.63	3850021.93	5.34107	6.69464	1.26029	4.08249	5.17196	3.42762	6.73105	6.69464	5.48E+01	3.01E+00	3.20E-05	2.11E-01	2.38E+00	4.74E-01	1.16E+01	1.11E+01	6.14E+01
2972	478976.63	3850021.93	5.70955	5.85324	1.09875	3.64244	5.85994	3.60184	5.89	5.85324	5.85E+01	2.63E+00	2.79E-05	1.89E-01	2.70E+00	4.98E-01	1.02E+01	9.70E+00	6.50E+01
2973	478726.63	3850071.93	4.5882	7.90502	1.52323	4.15548	4.23404	2.87008	7.93101	7.90502	4.70E+01	3.56E+00	3.86E-05	2.15E-01	1.95E+00	3.97E-01	1.37E+01	1.31E+01	5.38E+01
2974	478776.63	3850071.93	4.89294	7.56555	1.43076	4.18807	4.54316	3.12596	7.59381	7.56555	5.02E+01	3.40E+00	3.63E-05	2.17E-01	2.09E+00	4.32E-01	1.31E+01	1.25E+01	5.69E+01
2975	478826.63	3850071.93	5.20554	7.24818	1.3483	4.1755	4.84407	3.33604	7.279	7.24818	5.34E+01	3.26E+00	3.42E-05	2.16E-01	2.23E+00	4.61E-01	1.26E+01	1.20E+01	6.01E+01
2976	478876.63	3850071.93	5.44526	6.94977	1.27687	4.11508	5.12767	3.4964	6.98208	6.94977	5.58E+01	3.13E+00	3.24E-05	2.13E-01	2.36E+00	4.83E-01	1.21E+01	1.15E+01	6.26E+01
2977	478976.63	3850071.93	5.68569	6.39156	1.16149	3.86433	5.61595	3.65914	6.42603	6.39156	5.83E+01	2.88E+00	2.95E-05	2.00E-01	2.59E+00	5.06E-01	1.11E+01	1.06E+01	6.50E+01
2978	478726.63	3850121.93	4.4148	8.55612	1.64935	4.07624	3.87663	2.65285	8.57044	8.55612	4.53E+01	3.85E+00	4.18E-05	2.11E-01	1.79E+00	3.67E-01	1.48E+01	1.42E+01	5.21E+01
2979	478776.63	3850121.93	4.67402	8.15976	1.54522	4.15891	4.18919	2.94547	8.17661	8.15976	4.79E+01	3.67E+00	3.92E-05	2.15E-01	1.93E+00	4.07E-01	1.41E+01	1.35E+01	5.47E+01
2980	478826.63	3850121.93	5.00859	7.80444	1.44996	4.20323	4.49819	3.19882	7.82475	7.80444	5.14E+01	3.51E+00	3.68E-05	2.18E-01	2.07E+00	4.42E-01	1.35E+01	1.29E+01	5.82E+01
2981	478876.63	3850121.93	5.33837	7.47881	1.3651	4.20259	4.80106	3.40445	7.5024	7.47881	5.47E+01	3.37E+00	3.46E-05	2.18E-01	2.21E+00	4.71E-01	1.30E+01	1.24E+01	6.16E+01
2982	478976.63	3850121.93	5.67519	6.89254	1.23239	4.03872	5.3337	3.67209	6.91852	6.89254	5.82E+01	3.10E+00	3.13E-05	2.09E-01	2.46E+00	5.08E-01	1.19E+01	1.14E+01	6.50E+01
2983	479026.63	3850121.93	5.75985	6.62493	1.17628	3.90496	5.57021	3.71791	6.65179	6.62493	5.91E+01	2.98E+00	2.98E-05	2.02E-01	2.57E+00	5.14E-01	1.15E+01	1.10E+01	6.58E+01
2984	479076.63	3850121.93	5.84354	6.3637	1.12415	3.74529	5.79559	3.70147	6.39284	6.3637	5.99E+01	2.86E+00	2.85E-05	1.94E-01	2.67E+00	5.12E-01	1.10E+01	1.05E+01	6.67E+01
2985	479126.63	3850121.93	5.91515	6.11833	1.07808	3.55325	5.98726	3.64304	6.14873	6.11833	6.07E+01	2.75E+00	2.73E-05	1.84E-01	2.76E+00	5.04E-01	1.06E+01	1.01E+01	6.73E+01
2986	478776.63	3850171.93	4.49482	8.92433	1.67372	4.07013	3.83355	2.72752	8.86639	8.92433	4.61E+01	4.02E+00	4.25E-05	2.11E-01	1.77E+00	3.77E-01	1.53E+01	1.48E+01	5.30E+01
2987	478826.63	3850171.93	4.77661	8.41893	1.56462	4.16944	4.14652	3.01611	8.42755	8.41893	4.90E+01	3.79E+00	3.97E-05	2.16E-01	1.91E+00	4.17E-01	1.46E+01	1.39E+01	5.59E+01
2988	478876.63	3850171.93	5.14976	8.04015	1.46734	4.22121	4.45569	3.26755	8.0521	8.04015	5.28E+01	3.62E+00	3.72E-05	2.19E-01	2.05E+00	4.52E-01	1.39E+01	1.33E+01	5.97E+01
2989	478976.63	3850171.93	5.68133	7.37656	1.31355	4.16378	5.02195	3.63788	7.3977	7.37656	5.83E+01	3.32E+00	3.33E-05	2.16E-01	2.31E+00	5.03E-01	1.28E+01	1.22E+01	6.52E+01
2990	479026.63	3850171.93	5.76626	7.08765	1.25069	4.06812	5.27034	3.74067	7.11005	7.08765	5.91E+01	3.19E+00	3.17E-05	2.11E-01	2.43E+00	5.17E-01	1.23E+01	1.17E+01	6.60E+01
2991	479076.63	3850171.93	5.84486	6.82466	1.19051	3.94459	5.52468	3.77223	6.8487	6.82466	5.99E+01	3.07E+00	3.02E-05	2.04E-01	2.55E+00	5.22E-01	1.18E+01	1.13E+01	6.68E+01
2992	479126.63	3850171.93	5.91687	6.57364	1.13848	3.78277	5.74561	3.75621	6.59684	6.57364	6.07E+01	2.96E+00	2.89E-05	1.96E-01	2.65E+00	5.19E-01	1.14E+01	1.09E+01	6.75E+01
2993	479176.63	3850171.93	5.97229	6.333	1.09364	3.59051	5.9195	3.70682	6.35855	6.333	6.12E+01	2.85E+00	2.77E-05	1.86E-01	2.73E+00	5.12E-01	1.10E+01	1.05E+01	6.80E+01
2994	479226.63	3850171.93	5.99261	6.09968	1.05708	3.37341	5.99636	3.65623	6.12852	6.09968	6.14E+01	2.75E+00	2.68E-05	1.75E-01	2.76E+00	5.05E-01	1.06E+01	1.01E+01	6.81E+01
2995	479276.63	3850171.93	5.99098	5.86485	1.02302	3.14818	6.01204	3.59254	5.89578	5.86485	6.14E+01	2.64E+00	2.60E-05	1.63E-01	2.77E+00	4.97E-01	1.02E+01	9.72E+00	6.80E+01
2996	479326.63	3850171.93	6.01183	5.77202	0.9839	2.91391	6.1269	3.4588	5.69906	5.77202	6.16E+01	2.60E+00	2.50E-05	1.51E-01	2.82E+00	4.78E-01	9.84E+00	9.56E+00	6.80E+01
2997	479376.63	3850171.93	6.03956	5.56442	0.94691	2.67481	6.20133	3.3179	5.49087	5.56442	6.19E+01	2.50E+00	2.40E-05	1.38E-01	2.86E+00	4.59E-01	9.48E+00	9.22E+00	6.81E+01
2998	478676.63	3850221.93	4.22215	11.8756	2.0887	3.49805	3.37648	2.09555	11.8348	11.8756	4.33E+01	5.34E+00	5.30E-05	1.81E-01	1.56E+00	2.90E-01	2.04E+01	1.97E+01	5.14E+01
2999	478726.63	3850221.93	4.29689	10.82747	1.95034	3.72662	3.43604	2.15446	10.7788	10.82747	4.41E+01	4.87E+00	4.95E-05	1.93E-01	1.58E+00	2.98E-01	1.86E+01	1.79E+01	5.17E+01
3000	478976.63	3850221.93	5.67036	7.88112	1.40835	4.24044	4.68592	3.55758	7.89391	7.88112	5.81E+01	3.55E+00	3.57E-05	2.20E-01	2.16E+00	4.92E-01	1.36E+01	1.31E+01	6.51E+01
3001	479026.63	3850221.93	5.8102	7.5447	1.3349	4.1972	4.95157	3.71204	7.55974	7.5447	5.96E+01	3.40E+00	3.39E-05	2.17E-01	2.28E+00	5.13E-01	1.31E+01	1.25E+01	6.65E+01
3002	479076.63	3850221.93	5.87498	7.25916	1.26594	4.11779	5.21914	3.79825	7.27858	7.25916	6.02E+01	3.27E+00	3.21E-05	2.13E-01	2.41E+00	5.25E-01	1.26E+01	1.20E+01	6.72E+01
3003	479126.63	3850221.93	5.93807	6.99167	1.20634	3.99605	5.46212	3.83048	7.0124	6.99167	6.09E+01	3.15E+00	3.06E-05	2.07E-01	2.52E+00	5.30E-01	1.21E+01	1.16E+01	6.78E+01
3004	479176.63	3850221.93	5.98869	6.72826	1.15722	3.8337	5.6439	3.82794	6.74999	6.72826	6.14E+01	3.03E+00	2.94E-05	1.98E-01	2.60E+00	5.29E-01	1.17E+01	1.11E+01	6.83E+01
3005	479226.63	3850221.93	6.02551	6.47821	1.11328	3.64503	5.783	3.78905	6.50418	6.47821	6.18E+01	2.92E+00	2.82E-05	1.89E-01	2.67E+00	5.24E-01	1.12E+01	1.07E+01	6.86E+01

3006	479276.63	3850221.93	6.04104	6.24096	1.07326	3.43583	5.87717	3.72446	6.26777	6.24096	6.19E+01	2.81E+00	2.72E-05	1.78E-01	2.71E+00	5.15E-01	1.08E+01	1.03E+01	6.86E+01
3007	479326.63	3850221.93	6.06065	6.05154	1.03032	3.21357	6.04281	3.59862	6.07704	6.05154	6.21E+01	2.72E+00	2.61E-05	1.66E-01	2.78E+00	4.98E-01	1.05E+01	1.00E+01	6.88E+01
3008	479376.63	3850221.93	6.06161	5.9134	0.99242	2.97816	6.13736	3.47522	5.88159	5.9134	6.22E+01	2.66E+00	2.52E-05	1.54E-01	2.83E+00	4.80E-01	1.02E+01	9.80E+00	6.86E+01
3009	478676.63	3850271.93	4.27684	15.00495	2.27823	3.20007	3.31201	2.01141	15.0128	15.00495	4.39E+01	6.75E+00	5.78E-05	1.66E-01	1.53E+00	2.78E-01	2.59E+01	2.49E+01	5.36E+01
3010	478726.63	3850271.93	4.34884	13.15981	2.12669	3.46743	3.37758	2.09202	13.086	13.15981	4.46E+01	5.92E+00	5.39E-05	1.79E-01	1.56E+00	2.89E-01	2.26E+01	2.18E+01	5.33E+01
3011	478976.63	3850271.93	5.53249	8.88966	1.51412	4.25429	4.34946	3.42335	8.83692	8.88966	5.67E+01	4.00E+00	3.84E-05	2.20E-01	2.00E+00	4.73E-01	1.53E+01	1.47E+01	6.40E+01
3012	479026.63	3850271.93	5.88	8.06869	1.43076	4.2651	4.62442	3.6317	8.07327	8.06869	6.03E+01	3.63E+00	3.63E-05	2.21E-01	2.13E+00	5.02E-01	1.39E+01	1.34E+01	6.73E+01
3013	479076.63	3850271.93	5.95175	7.71622	1.35329	4.23544	4.89347	3.77672	7.72631	7.71622	6.10E+01	3.47E+00	3.43E-05	2.19E-01	2.26E+00	5.22E-01	1.33E+01	1.28E+01	6.81E+01
3014	479126.63	3850271.93	5.99262	7.40301	1.28513	4.16042	5.14462	3.86361	7.41666	7.40301	6.14E+01	3.33E+00	3.26E-05	2.15E-01	2.37E+00	5.34E-01	1.28E+01	1.23E+01	6.84E+01
3015	479176.63	3850271.93	6.03631	7.10904	1.2267	4.04191	5.36106	3.90005	7.12542	7.10904	6.19E+01	3.20E+00	3.11E-05	2.09E-01	2.47E+00	5.39E-01	1.23E+01	1.18E+01	6.88E+01
3016	479226.63	3850271.93	6.07497	6.8331	1.17574	3.88639	5.53657	3.89301	6.85261	6.8331	6.23E+01	3.08E+00	2.98E-05	2.01E-01	2.55E+00	5.38E-01	1.18E+01	1.13E+01	6.92E+01
3017	479276.63	3850271.93	6.10722	6.59681	1.12757	3.70585	5.70617	3.83808	6.61843	6.59681	6.26E+01	2.97E+00	2.86E-05	1.92E-01	2.63E+00	5.31E-01	1.14E+01	1.09E+01	6.94E+01
3018	479326.63	3850271.93	6.12938	6.40066	1.08085	3.50328	5.89671	3.73504	6.42385	6.40066	6.29E+01	2.88E+00	2.74E-05	1.81E-01	2.72E+00	5.16E-01	1.11E+01	1.06E+01	6.96E+01
3019	479376.63	3850271.93	6.13648	6.21619	1.03696	3.28012	6.08562	3.59822	6.23857	6.21619	6.29E+01	2.80E+00	2.63E-05	1.70E-01	2.80E+00	4.97E-01	1.08E+01	1.03E+01	6.97E+01
3020	479053.24	3850293.52	5.98509	8.23161	1.43325	4.27235	4.62197	3.68159	8.19299	8.23161	6.14E+01	3.70E+00	3.64E-05	2.21E-01	2.13E+00	5.09E-01	1.41E+01	1.36E+01	6.84E+01
3021	479103.24	3850293.52	6.01698	7.74046	1.3566	4.24041	4.88258	3.82022	7.7478	7.74046	6.17E+01	3.48E+00	3.44E-05	2.20E-01	2.25E+00	5.28E-01	1.34E+01	1.28E+01	6.87E+01
3022	479153.24	3850293.52	6.05266	7.43188	1.28708	4.1673	5.13562	3.89638	7.44276	7.43188	6.21E+01	3.34E+00	3.27E-05	2.16E-01	2.37E+00	5.39E-01	1.29E+01	1.23E+01	6.91E+01
3023	479203.24	3850293.52	6.08806	7.12368	1.22978	4.04721	5.33792	3.92856	7.13842	7.12368	6.24E+01	3.21E+00	3.12E-05	2.10E-01	2.46E+00	5.43E-01	1.23E+01	1.18E+01	6.94E+01
3024	479253.24	3850293.52	6.12432	6.85957	1.17688	3.89449	5.52653	3.90886	6.87679	6.85957	6.28E+01	3.09E+00	2.99E-05	2.02E-01	2.55E+00	5.40E-01	1.19E+01	1.14E+01	6.97E+01
3025	479303.24	3850293.52	6.15699	6.64557	1.12598	3.71586	5.73195	3.83538	6.66496	6.64557	6.31E+01	2.99E+00	2.86E-05	1.92E-01	2.64E+00	5.30E-01	1.15E+01	1.10E+01	7.00E+01
3026	479353.24	3850293.52	6.17385	6.45527	1.07864	3.51179	5.94025	3.72038	6.47475	6.45527	6.33E+01	2.91E+00	2.74E-05	1.82E-01	2.74E+00	5.14E-01	1.12E+01	1.07E+01	7.01E+01
3027	479153.24	3850343.52	6.18179	8.02313	1.37725	4.27307	4.4705	3.88435	7.98276	8.02313	6.34E+01	3.61E+00	3.49E-05	2.21E-01	2.06E+00	5.37E-01	1.38E+01	1.33E+01	7.03E+01
3028	479203.24	3850343.52	6.19263	7.562	1.3086	4.20453	4.65451	3.96063	7.56597	7.562	6.35E+01	3.40E+00	3.32E-05	2.18E-01	2.14E+00	5.48E-01	1.31E+01	1.25E+01	7.03E+01
3029	479253.24	3850343.52	6.22072	7.27945	1.24396	4.1006	4.82252	3.97372	7.28707	7.27945	6.38E+01	3.28E+00	3.16E-05	2.12E-01	2.22E+00	5.49E-01	1.26E+01	1.21E+01	7.06E+01
3030	479303.24	3850343.52	6.25369	7.03999	1.18529	3.96015	5.52603	3.93138	7.0507	7.03999	6.41E+01	3.17E+00	3.01E-05	2.05E-01	2.55E+00	5.44E-01	1.22E+01	1.17E+01	7.11E+01
3031	479353.24	3850343.52	6.2748	6.82208	1.13284	3.78515	5.75565	3.84478	6.83497	6.82208	6.43E+01	3.07E+00	2.87E-05	1.96E-01	2.65E+00	5.32E-01	1.18E+01	1.13E+01	7.13E+01
3032	479203.24	3850393.52	6.36518	8.77624	1.39659	4.30485	4.46882	3.94352	8.75129	8.77624	6.53E+01	3.95E+00	3.54E-05	2.23E-01	2.06E+00	5.45E-01	1.51E+01	1.45E+01	7.26E+01
3033	479253.24	3850393.52	6.36378	7.82294	1.32181	4.25358	4.65865	4.00569	7.81701	7.82294	6.53E+01	3.52E+00	3.35E-05	2.20E-01	2.15E+00	5.54E-01	1.35E+01	1.30E+01	7.22E+01
3034	479303.24	3850393.52	6.38007	7.52019	1.25428	4.16036	4.83281	4.00705	7.51884	7.52019	6.54E+01	3.38E+00	3.18E-05	2.15E-01	2.23E+00	5.54E-01	1.30E+01	1.25E+01	7.23E+01
3035	479353.24	3850393.52	6.39757	7.2585	1.19413	4.02557	4.98842	3.95455	7.2609	7.2585	6.56E+01	3.27E+00	3.03E-05	2.08E-01	2.30E+00	5.47E-01	1.25E+01	1.20E+01	7.24E+01
3036	479403.24	3850393.52	6.4002	7.01588	1.14128	3.8537	5.75751	3.8613	7.02175	7.01588	6.56E+01	3.16E+00	2.90E-05	1.99E-01	2.65E+00	5.34E-01	1.21E+01	1.16E+01	7.27E+01
3037	479453.24	3850393.52	6.37997	6.80655	1.09233	3.65206	6.00103	3.72612	6.81401	6.80655	6.54E+01	3.06E+00	2.77E-05	1.89E-01	2.77E+00	5.15E-01	1.18E+01	1.13E+01	7.24E+01
3038	479503.24	3850393.52	6.335	6.59992	1.04742	3.42513	6.23292	3.5646	6.60726	6.59992	6.50E+01	2.97E+00	2.66E-05	1.77E-01	2.87E+00	4.93E-01	1.14E+01	1.09E+01	7.19E+01
3039	479303.24	3850443.52	6.56496	8.67813	1.33029	4.31222	4.66125	4.04118	8.62626	8.67813	6.73E+01	3.91E+00	3.37E-05	2.23E-01	2.15E+00	5.59E-01	1.49E+01	1.44E+01	7.47E+01
3040	479353.24	3850443.52	6.56814	7.90443	1.25983	4.22922	4.84097	4.0267	7.89028	7.90443	6.73E+01	3.56E+00	3.20E-05	2.19E-01	2.23E+00	5.57E-01	1.36E+01	1.31E+01	7.44E+01
3041	479403.24	3850443.52	6.5724	7.60543	1.19761	4.10083	5.56951	3.95558	7.5966	7.60543	6.74E+01	3.42E+00	3.04E-05	2.12E-01	2.57E+00	5.47E-01	1.31E+01	1.26E+01	7.47E+01
3042	479453.24	3850443.52	6.55966	7.33079	1.14296	3.93139	5.84399	3.83997	7.32567	7.33079	6.73E+01	3.30E+00	2.90E-05	2.04E-01	2.69E+00	5.31E-01	1.26E+01	1.21E+01	7.45E+01
3043	479503.24	3850443.52	6.51375	7.06831	1.09399	3.72889	6.10774	3.69082	7.06803	7.06831	6.68E+01	3.18E+00	2.78E-05	1.93E-01	2.81E+00	5.10E-01	1.22E+01	1.17E+01	7.40E+01
3044	480327.18	3850987.04	7.41882	9.28897	1.13007	3.05646	6.08615	3.44375	9.19961	9.28897	7.61E+01	4.18E+00	2.87E-05	1.58E-01	2.80E+00	4.76E-01	1.59E+01	1.54E+01	8.42E+01
3045	480377.18	3850987.04	7.47006	8.58079	1.12263	2.90993	6.07792	3.39248	8.6575	8.58079	7.66E+01	3.86E+00	2.85E-05	1.51E-01	2.80E+00	4.69E-01	1.49E+01	1.42E+01	8.46E+01
3046	480427.18	3850987.04	7.53323	8.19815	1.10286	2.87267	6.03269	3.36132	8.05835	8.19815	7.72E+01	3.69E+00	2.80E-05	1.49E-01	2.78E+00	4.65E-01	1.39E+01	1.36E+01	8.47E+01
3047	480477.18	3850987.04	7.61197	8.27308	1.1816	2.811	5.94968	3.35588	7.91026	8.27308	7.81E+01	3.72E+00	3.00E-05	1.46E-01	2.74E+00	4.64E-01	1.37E+01	1.37E+01	8.51E+01
3048	480327.18	3851037.04	7.52013	11.58931	1.14075	3.41725	6.10945	3.52549	11.4305	11.58931	7.71E+01	5.22E+00	2.89E-05	1.77E-01	2.82E+00	4.87E-01	1.97E+01	1.92E+01	8.63E+01
3049	480377.18	3851037.04	7.57199	10.40613	1.14421	3.12875	6.14609	3.45753	10.2839	10.40613	7.76E+01	4.68E+00	2.90E-05	1.62E-01	2.83E+00	4.78E-01	1.78E+01	1.72E+01	8.63E+01
3050	480427.18	3851037.04	7.61	9.4328	1.13386	2.94332	6.14539	3.4065	9.33876	9.4328	7.80E+01	4.25E+00	2.88E-05	1.52E-01	2.83E+00	4.71E-01	1.61E+01	1.56E+01	8.62E+01
3051	480477.18	3851037.04	7.65675	8.65375	1.10949	2.90481	6.10527	3.37766	8.62922	8.65375	7.85E+01	3.89E+00	2.81E-05	1.50E-01	2.81E+00	4.67E-01	1.49E+01	1.43E+01	8.64E+01
3052	480622.06	3851087.39	7.90457	9.81521	2.0276	2.79976	6.00999	3.37678	9.78476	9.81521	8.11E+01	4.42E+00	5.14E-05	1.45E-01	2.77E+00	4.67E-01	1.69E+01	1.63E+01	8.95E+01
3053	480672.06	3851087.39	7.94588	11.05546	2.657	2.69546	5.87012	3.36729	11.3118	11.05546	8.15E+01	4.98E+00	6.74E-05	1.40E-01	2.71E+00	4.66E-01	1.95E+01	1.83E+01	9.10E+01
3054	480622.06	3851137.39	7.9687	9.70233	1.74141	2.90748	6.19187	3.40627	9.6148	9.70233	8.17E+01	4.37E+00	4.42E-05	1.51E-01	2.85E+00	4.71E-01	1.66E+01	1.61E+01	9.01E+01
3055	480672.06	3851137.39	8.03419	10.45718	2.31044	2.82675	6.09391	3.39052	10.4045	10.45718	8.24E+01	4.71E+00	5.86E-05	1.46E-01	2.81E+00	4.69E-01	1.80E+01	1.73E+01	9.11E+01
3056	480722.06	3851137.39	8.07383	11.94752	2.99622	2.72219	5.95841	3.37468	12.2232	11.94752	8.28E+01	5.38E+00	7.60E-05	1.41E-01	2.75E+00	4.67E-01	2.11E+01	1.98E+01	9.28E+01
3057	480622.06	3851187.39	8.07453	12.14847	1.47813	2.99223	6.32257	3.44808	12.0468	12.14847	8.28E+01	5.47E+00	3.75E-05	1.55E-01	2.91E+00	4.77E-01	2.08E+01	2.01E+01	9.25E+01
3058	480672.06	3851187.39	8.11449	10.81182	1.99626	2.93287	6.26852	3.43366	10.7234	10.81182	8.32E+01	4.87E+00	5.06E-05	1.52E-01	2.89E+00	4.75E-01	1.85E+01	1.79E+01	9.22E+01
3059	480722.06	3851187.39	8.17362	11.21231	2.63251	2.84972	6.17506	3.42087	11.2137	11.21231	8.38E+01	5.05E+00	6.68E-05	1.48E-01	2.85E+00	4.73E-01	1.94E+01	1.86E+01	9.31E+01
3060	471363.09	3845877.25	2.05639	1.76859	0.45064	0.54467	0.97264	1.08495	1.70384	1.76859	2.11E+01	7.96E-01	1.14E-05	2.82E-02	4.48E-01	1.50E-01	2.94E+00	2.93E+00	2.25E+01
3061	471863.09	3845877.25	2.22663	1.46078	0.51825	0.6413	1.25171	1.20286	1.29187	1.46078	2.28E+01	6.57E-01	1.31E-05	3.32E-02	5.77E-01	1.66E-01	2.23E+00	2.42E+00	2.41E+01
3062	472363.09	3845877.25	2.23801	1.44846	1.30706	0.96379	1.73064	1.25107	1.37449	1.44846	2.29E+01	6.52E-01	3.32E-05	4.99E-02	7.98E-01	1.73E-01	2.37E+00	2.40E+00	2.46E+01
3063	472863.09	3845877.25	2.07162	1.46936	1.0027	1.26939	2.18507	1.21737	1.53112	1.46936	2.12E+01	6.61E-01	2.54E-05	6.57E-02	1.01E+00	1.68E-01	2.64E+00	2.43E+00	2.34E+01
3064	473363.09	3845877.25	1.76107	1.40001	1.1158	1.44233	2.51991	1.10676	1.58398	1.40001	1.81E+01	6.30E-01	2.83E-05	7.47E-02	1.16E+00	1.53E-01	2.73E+00	2.32E+00	2.05E+01

3065	473863.09	3845877.25	1.40418	1.19656	0.85198	1.93568	2.62013	0.93627	1.44008	1.19656	1.44E+01	5.39E-01	2.16E-05	1.00E-01	1.21E+00	1.29E-01	2.49E+00	1.98E+00	1.69E+01
3066	474363.09	3845877.25	1.19232	0.93102	0.5929	1.21756	3.1834	0.73846	1.25929	0.93102	1.22E+01	4.19E-01	1.50E-05	6.30E-02	1.47E+00	1.02E-01	2.17E+00	1.54E+00	1.49E+01
3067	474863.09	3845877.25	2.06727	0.82843	0.59809	1.45149	2.21984	0.67598	1.09741	0.82843	2.12E+01	3.73E-01	1.52E-05	7.51E-02	1.02E+00	9.35E-02	1.89E+00	1.37E+00	2.33E+01
3068	475363.09	3845877.25	3.36469	1.07904	0.53607	0.7337	2.38251	1.17522	1.01846	1.07904	3.45E+01	4.86E-01	1.36E-05	3.80E-02	1.10E+00	1.62E-01	1.76E+00	1.79E+00	3.63E+01
3069	475863.09	3845877.25	4.18842	1.31355	0.41988	0.49009	1.20479	1.1623	0.98795	1.31355	4.29E+01	5.91E-01	1.07E-05	2.54E-02	5.55E-01	1.61E-01	1.71E+00	2.18E+00	4.38E+01
3070	476363.09	3845877.25	3.92921	1.27317	0.46373	1.03955	0.86588	1.12052	1.42766	1.27317	4.03E+01	5.73E-01	1.18E-05	5.38E-02	3.99E-01	1.55E-01	2.46E+00	2.11E+00	4.18E+01
3071	476863.09	3845877.25	2.81889	0.8044	0.40459	1.48868	0.86806	1.09257	1.14131	0.8044	2.89E+01	3.62E-01	1.03E-05	7.71E-02	4.00E-01	1.51E-01	1.97E+00	1.33E+00	3.05E+01
3072	477363.09	3845877.25	1.80503	0.71322	0.40187	1.64469	3.05258	0.91778	0.93825	0.71322	1.85E+01	3.21E-01	1.02E-05	8.51E-02	1.41E+00	1.27E-01	1.62E+00	1.18E+00	2.09E+01
3073	477863.09	3845877.25	1.94716	0.58582	0.38489	1.19153	4.98338	0.60486	0.59118	0.58582	2.00E+01	2.64E-01	9.76E-06	6.17E-02	2.30E+00	8.36E-02	1.02E+00	9.71E-01	2.27E+01
3074	478363.09	3845877.25	2.20414	0.54978	0.4897	0.67679	4.41421	0.31827	0.55358	0.54978	2.26E+01	2.47E-01	1.24E-05	3.50E-02	2.03E+00	4.40E-02	9.56E-01	9.11E-01	2.50E+01
3075	478863.09	3845877.25	2.02814	0.52668	0.54764	0.49493	1.30698	0.39809	0.53044	0.52668	2.08E+01	2.37E-01	1.39E-05	2.56E-02	6.02E-01	5.50E-02	9.16E-01	8.73E-01	2.18E+01
3076	479363.09	3845877.25	2.51515	0.59975	0.54544	0.63295	0.71355	0.47627	0.55962	0.59975	2.58E+01	2.70E-01	1.38E-05	3.28E-02	3.29E-01	6.58E-02	9.66E-01	9.94E-01	2.65E+01
3077	479863.09	3845877.25	2.33215	0.5781	0.66639	0.57974	0.76011	0.47629	0.58227	0.5781	2.39E+01	2.60E-01	1.69E-05	3.00E-02	3.50E-01	6.58E-02	1.01E+00	9.58E-01	2.47E+01
3078	480363.09	3845877.25	2.35688	0.51179	0.90147	0.48249	0.86705	0.52786	0.42872	0.51179	2.42E+01	2.30E-01	2.29E-05	2.50E-02	4.00E-01	7.30E-02	7.40E-01	8.48E-01	2.48E+01
3079	480863.09	3845877.25	2.40585	0.46647	0.83486	0.5205	1.17832	0.56514	0.41938	0.46647	2.47E+01	2.10E-01	2.12E-05	2.69E-02	5.43E-01	7.81E-02	7.24E-01	7.73E-01	2.55E+01
3080	481363.09	3845877.25	2.38683	0.40816	0.63654	0.52944	1.41021	0.6046	0.41114	0.40816	2.45E+01	1.84E-01	1.61E-05	2.74E-02	6.50E-01	8.36E-02	7.10E-01	6.76E-01	2.55E+01
3081	481863.09	3845877.25	1.77981	0.35492	0.37131	0.50897	1.4674	0.73875	0.35768	0.35492	1.83E+01	1.60E-01	9.42E-06	2.63E-02	6.76E-01	1.02E-01	6.18E-01	5.88E-01	1.92E+01
3082	482363.09	3845877.25	1.32428	0.35315	0.36412	0.46434	1.31244	0.84919	0.35566	0.35315	1.36E+01	1.59E-01	9.24E-06	2.40E-02	6.05E-01	1.17E-01	6.14E-01	5.85E-01	1.45E+01
3083	482863.09	3845877.25	1.31341	0.36531	0.50634	0.53903	1.48734	0.8566	0.36797	0.36531	1.35E+01	1.64E-01	1.28E-05	2.79E-02	6.85E-01	1.18E-01	6.35E-01	6.05E-01	1.45E+01
3084	483363.09	3845877.25	1.16344	0.36747	0.63979	0.69322	2.8489	0.75332	0.37024	0.36747	1.19E+01	1.65E-01	1.62E-05	3.59E-02	1.31E+00	1.04E-01	6.39E-01	6.09E-01	1.36E+01
3085	483863.09	3845877.25	0.88976	0.36659	0.67083	0.80646	3.52489	0.57895	0.36926	0.36659	9.12E+00	1.65E-01	1.70E-05	4.17E-02	1.62E+00	8.00E-02	6.38E-01	6.07E-01	1.11E+01
3086	484363.09	3845877.25	0.78332	0.36983	0.61222	0.80228	2.75649	0.40004	0.37255	0.36983	8.03E+00	1.66E-01	1.55E-05	4.15E-02	1.27E+00	5.53E-02	6.43E-01	6.13E-01	9.60E+00
3087	484863.09	3845877.25	0.75606	0.3726	0.49926	0.67275	1.65776	0.32461	0.37535	0.3726	7.75E+00	1.68E-01	1.27E-05	3.48E-02	7.64E-01	4.49E-02	6.48E-01	6.17E-01	8.79E+00
3088	485363.09	3845877.25	0.73291	0.37494	0.44461	0.54841	1.05719	0.36212	0.37773	0.37494	7.52E+00	1.69E-01	1.13E-05	2.84E-02	4.87E-01	5.01E-02	6.52E-01	6.21E-01	8.28E+00
3089	485863.09	3845877.25	0.73722	0.37692	0.46403	0.51565	1.01557	0.42143	0.37975	0.37692	7.56E+00	1.70E-01	1.18E-05	2.67E-02	4.68E-01	5.83E-02	6.56E-01	6.25E-01	8.31E+00
3090	486363.09	3845877.25	0.76473	0.37857	0.42927	0.46214	0.9194	0.48684	0.38143	0.37857	7.84E+00	1.70E-01	1.09E-05	2.39E-02	4.24E-01	6.73E-02	6.59E-01	6.27E-01	8.56E+00
3091	486863.09	3845877.25	0.79293	0.37994	0.37264	0.39987	1.51071	0.53443	0.38281	0.37994	8.13E+00	1.71E-01	9.45E-06	2.07E-02	6.96E-01	7.39E-02	6.61E-01	6.30E-01	9.12E+00
3092	487363.09	3845877.25	0.79354	0.38103	0.41211	0.34486	2.19819	0.54336	0.38393	0.38103	8.14E+00	1.71E-01	1.05E-05	1.79E-02	1.01E+00	7.51E-02	6.63E-01	6.31E-01	9.45E+00
3093	487863.09	3845877.25	0.74085	0.38189	0.42636	0.36574	2.38159	0.49768	0.38481	0.38189	7.60E+00	1.72E-01	1.08E-05	1.89E-02	1.10E+00	6.88E-02	6.64E-01	6.33E-01	8.99E+00
3094	488363.09	3845877.25	0.63142	0.38253	0.38577	0.33961	3.18919	0.55977	0.38546	0.38253	6.47E+00	1.72E-01	9.79E-06	1.76E-02	1.47E+00	7.74E-02	6.66E-01	6.34E-01	8.24E+00
3095	488863.09	3845877.25	0.62305	0.38296	0.37415	0.70421	2.86211	0.54795	0.3859	0.38296	6.39E+00	1.72E-01	9.49E-06	3.65E-02	1.32E+00	7.58E-02	6.66E-01	6.35E-01	8.02E+00
3096	489363.09	3845877.25	0.53771	0.3832	0.37044	0.76189	1.18728	0.41723	0.38614	0.3832	5.51E+00	1.72E-01	9.40E-06	3.94E-02	5.47E-01	5.77E-02	6.67E-01	6.35E-01	6.36E+00
3097	489863.09	3845877.25	0.40618	0.38325	0.36246	0.60579	1.11165	0.25385	0.3862	0.38325	4.16E+00	1.72E-01	9.19E-06	3.14E-02	5.12E-01	3.51E-02	6.67E-01	6.35E-01	4.95E+00
3098	490363.09	3845877.25	0.47168	0.38314	0.47569	0.42776	1.20508	0.30327	0.38608	0.38314	4.84E+00	1.72E-01	1.21E-05	2.21E-02	5.55E-01	4.19E-02	6.67E-01	6.35E-01	5.66E+00
3099	490863.09	3845877.25	0.51972	0.38287	0.37279	0.38647	1.64185	0.33189	0.38581	0.38287	5.33E+00	1.72E-01	9.46E-06	2.00E-02	7.57E-01	4.59E-02	6.66E-01	6.34E-01	6.36E+00
3100	491363.09	3845877.25	0.54697	0.38244	0.3577	0.38126	1.84487	0.34293	0.38537	0.38244	5.61E+00	1.72E-01	9.07E-06	1.97E-02	8.50E-01	4.74E-02	6.65E-01	6.34E-01	6.73E+00
3101	491863.09	3845877.25	0.55218	0.38187	0.33792	0.44988	1.23696	0.32881	0.3848	0.38187	5.66E+00	1.72E-01	8.57E-06	2.33E-02	5.70E-01	4.55E-02	6.64E-01	6.33E-01	6.50E+00
3102	492363.09	3845877.25	0.53848	0.38117	0.4157	0.49908	0.90847	0.28505	0.38409	0.38117	5.52E+00	1.72E-01	1.05E-05	2.58E-02	4.19E-01	3.94E-02	6.63E-01	6.32E-01	6.21E+00
3103	492863.09	3845877.25	0.51345	0.38035	0.39051	0.37875	0.74264	0.21772	0.38325	0.38035	5.26E+00	1.71E-01	9.91E-06	1.96E-02	3.42E-01	3.01E-02	6.62E-01	6.30E-01	5.86E+00
3104	493363.09	3845877.25	0.48689	0.37942	0.27636	0.54285	0.94934	0.24563	0.3823	0.37942	4.99E+00	1.71E-01	7.01E-06	2.81E-02	4.37E-01	3.40E-02	6.60E-01	6.29E-01	5.69E+00
3105	493863.09	3845877.25	0.46733	0.37838	0.35288	0.61018	1.44875	0.27926	0.38125	0.37838	4.79E+00	1.70E-01	8.95E-06	3.16E-02	6.68E-01	3.86E-02	6.58E-01	6.27E-01	5.73E+00
3106	494363.09	3845877.25	0.4597	0.37724	0.30312	0.57358	1.61544	0.29893	0.3801	0.37724	4.71E+00	1.70E-01	7.69E-06	2.97E-02	7.44E-01	4.13E-02	6.56E-01	6.25E-01	5.73E+00
3107	494863.09	3845877.25	0.46442	0.37603	0.27273	0.50448	1.34197	0.30073	0.37887	0.37603	4.76E+00	1.69E-01	6.92E-06	2.61E-02	6.18E-01	4.16E-02	6.54E-01	6.23E-01	5.65E+00
3108	495363.09	3845877.25	0.47819	0.37474	0.25075	0.36479	1.6325	0.28643	0.37757	0.37474	4.90E+00	1.69E-01	6.36E-06	1.89E-02	7.52E-01	3.96E-02	6.52E-01	6.21E-01	5.91E+00
3109	495863.09	3845877.25	0.49536	0.37339	0.24583	0.33752	1.8235	0.30147	0.3762	0.37339	5.08E+00	1.68E-01	6.24E-06	1.75E-02	8.40E-01	4.17E-02	6.50E-01	6.19E-01	6.18E+00
3110	496363.09	3845877.25	0.5092	0.37199	0.31054	0.31094	1.74183	0.31199	0.37478	0.37199	5.22E+00	1.67E-01	7.88E-06	1.61E-02	8.03E-01	4.31E-02	6.47E-01	6.16E-01	6.28E+00
3111	496863.09	3845877.25	0.52484	0.37055	0.38372	0.42212	1.69224	0.30991	0.37332	0.37055	5.38E+00	1.67E-01	9.73E-06	2.19E-02	7.80E-01	4.28E-02	6.45E-01	6.14E-01	6.42E+00
3112	497363.09	3845877.25	0.55428	0.36908	0.28837	0.52263	1.31323	0.29619	0.37184	0.36908	5.68E+00	1.66E-01	7.32E-06	2.71E-02	6.05E-01	4.09E-02	6.42E-01	6.12E-01	6.55E+00
3113	497863.09	3845877.25	0.57265	0.36759	0.29219	0.58037	1.17357	0.27316	0.37033	0.36759	5.87E+00	1.65E-01	7.41E-06	3.00E-02	5.41E-01	3.78E-02	6.39E-01	6.09E-01	6.68E+00
3114	498363.09	3845877.25	0.57393	0.36609	0.24002	0.54493	1.03299	0.24683	0.3688	0.36609	5.89E+00	1.65E-01	6.09E-06	2.82E-02	4.76E-01	3.41E-02	6.37E-01	6.07E-01	6.62E+00
3115	471363.09	3846377.25	1.93721	11.00329	0.58545	2.47702	5.32862	1.55565	11.0983	11.00329	1.99E+01	4.95E+00	1.49E-05	1.28E-01	2.46E+00	2.15E-01	1.92E+01	1.82E+01	2.85E+01
3116	471863.09	3846377.25	2.0538	6.35089	0.45079	1.60092	3.06062	1.07099	6.40258	6.35089	2.11E+01	2.86E+00	1.14E-05	8.29E-02	1.41E+00	1.48E-01	1.11E+01	1.05E+01	2.61E+01
3117	472363.09	3846377.25	2.24719	1.51019	0.48497	0.56443	1.12899	1.20578	1.31167	1.51019	2.30E+01	6.80E-01	1.23E-05	2.92E-02	5.20E-01	1.67E-01	2.26E+00	2.50E+00	2.42E+01
3118	472863.09	3846377.25	2.29352	1.43094	1.20899	0.89279	1.61933	1.27412	1.318	1.43094	2.35E+01	6.44E-01	3.07E-05	4.62E-02	7.46E-01	1.76E-01	2.28E+00	2.37E+00	2.50E+01
3119	473363.09	3846377.25	2.16938	1.53582	1.30816	1.23776	2.12312	1.25936	1.5682	1.53582	2.22E+01	6.91E-01	3.32E-05	6.41E-02	9.78E-01	1.74E-01	2.71E+00	2.54E+00	2.43E+01
3120	473863.09	3846377.25	1.95331	1.51135	1.33887	1.47078	2.53069	1.16171	1.68786	1.51135	2.00E+01	6.80E-01	3.40E-05	7.61E-02	1.17E+00	1.61E-01	2.91E+00	2.50E+00	2.25E+01
3121	474363.09	3846377.25	1.56444	1.35433	1.07068	2.35258	2.70656	1.18189	1.80522	1.35433	1.60E+01	6.10E-01	2.72E-05	1.22E-01	1.25E+00	1.63E-01	3.12E+00	2.24E+00	1.91E+01
3122	474863.09	3846377.25	1.34489	1.15303	0.7052	1.494	3.80303	0.79026	1.40898	1.15303	1.38E+01	5.19E-01	1.79E-05	7.73E-02	1.75E+00	1.09E-01	2.43E+00	1.91E+00	1.68E+01
3123	475363.09	3846377.25	2.428	1.14356	0.61381	1.62831	2.37275	0.76967	1.32338	1.14356	2.49E+01	5.15E-01	1.56E-05	8.43E-02	1.09E+00	1.06E-01	2.28E+00	1.89E+00	2.71E+01

3124	475863.09	3846377.25	3.7411	1.38298	0.53805	0.87503	2.62955	1.39995	1.14888	1.38298	3.84E+01	6.22E-01	1.36E-05	4.53E-02	1.21E+00	1.94E-01	1.98E+00	2.29E+00	4.01E+01
3125	476363.09	3846377.25	4.44597	1.42871	0.41513	0.50311	1.39874	1.20259	1.16996	1.42871	4.56E+01	6.43E-01	1.05E-05	2.60E-02	6.45E-01	1.66E-01	2.02E+00	2.37E+00	4.67E+01
3126	476863.09	3846377.25	3.99051	1.35524	0.49315	1.18506	0.89363	1.20246	1.50245	1.35524	4.09E+01	6.10E-01	1.25E-05	6.13E-02	4.12E-01	1.66E-01	2.59E+00	2.25E+00	4.25E+01
3127	477363.09	3846377.25	2.78776	1.07527	0.41908	1.68769	0.89341	1.18317	1.24229	1.07527	2.86E+01	4.84E-01	1.06E-05	8.74E-02	4.12E-01	1.64E-01	2.14E+00	1.78E+00	3.01E+01
3128	477863.09	3846377.25	1.77335	1.05329	0.40305	1.67978	3.67095	0.93059	1.06324	1.05329	1.82E+01	4.74E-01	1.02E-05	8.70E-02	1.69E+00	1.29E-01	1.84E+00	1.75E+00	2.07E+01
3129	478363.09	3846377.25	2.42109	1.0321	0.44815	1.20738	5.39395	0.59575	1.04126	1.0321	2.48E+01	4.64E-01	1.14E-05	6.25E-02	2.49E+00	8.24E-02	1.80E+00	1.71E+00	2.80E+01
3130	478863.09	3846377.25	2.51823	1.01817	0.53976	0.68415	4.55027	0.36391	1.02716	1.01817	2.58E+01	4.58E-01	1.37E-05	3.54E-02	2.10E+00	5.03E-02	1.77E+00	1.69E+00	2.85E+01
3131	479363.09	3846377.25	2.57617	1.00462	0.56801	0.70304	1.04417	0.55225	1.01319	1.00462	2.64E+01	4.52E-01	1.44E-05	3.64E-02	4.81E-01	7.63E-02	1.75E+00	1.66E+00	2.75E+01
3132	479863.09	3846377.25	2.72238	0.99041	0.53586	0.69873	0.72691	0.48871	0.99762	0.99041	2.79E+01	4.46E-01	1.36E-05	3.62E-02	3.35E-01	6.76E-02	1.72E+00	1.64E+00	2.89E+01
3133	480363.09	3846377.25	2.34466	0.97961	0.88045	0.61451	0.82555	0.52409	0.98678	0.97961	2.40E+01	4.41E-01	2.23E-05	3.18E-02	3.80E-01	7.25E-02	1.70E+00	1.62E+00	2.50E+01
3134	480863.09	3846377.25	2.43449	0.91621	0.89601	0.5111	1.02593	0.60208	0.9204	0.91621	2.50E+01	4.12E-01	2.27E-05	2.65E-02	4.73E-01	8.32E-02	1.59E+00	1.52E+00	2.60E+01
3135	481363.09	3846377.25	2.37827	0.64947	0.74783	0.59547	1.75082	0.67043	0.6568	0.64947	2.44E+01	2.92E-01	1.90E-05	3.08E-02	8.07E-01	9.27E-02	1.13E+00	1.08E+00	2.57E+01
3136	481863.09	3846377.25	2.45082	0.49897	0.64755	0.54158	1.5085	0.6938	0.50259	0.49897	2.51E+01	2.25E-01	1.64E-05	2.80E-02	6.95E-01	9.59E-02	8.68E-01	8.27E-01	2.62E+01
3137	482363.09	3846377.25	1.88977	0.49539	0.36471	0.49717	1.46139	0.83082	0.49903	0.49539	1.94E+01	2.23E-01	9.25E-06	2.57E-02	6.73E-01	1.15E-01	8.62E-01	8.21E-01	2.05E+01
3138	482863.09	3846377.25	1.34038	0.49202	0.50389	0.49271	1.19623	0.88007	0.49567	0.49202	1.37E+01	2.21E-01	1.28E-05	2.55E-02	5.51E-01	1.22E-01	8.56E-01	8.15E-01	1.47E+01
3139	483363.09	3846377.25	1.24146	0.48881	0.6579	0.64391	2.40636	0.8115	0.49246	0.48881	1.27E+01	2.20E-01	1.67E-05	3.33E-02	1.11E+00	1.12E-01	8.50E-01	8.10E-01	1.42E+01
3140	483863.09	3846377.25	0.99933	0.48572	0.68453	0.78513	3.54133	0.64988	0.48938	0.48572	1.02E+01	2.19E-01	1.74E-05	4.06E-02	1.63E+00	8.98E-02	8.45E-01	8.05E-01	1.23E+01
3141	484363.09	3846377.25	0.78632	0.4827	0.62254	0.82883	3.23475	0.45812	0.48638	0.4827	8.06E+00	2.17E-01	1.58E-05	4.29E-02	1.49E+00	6.33E-02	8.40E-01	8.00E-01	9.92E+00
3142	484863.09	3846377.25	0.75798	0.47975	0.55939	0.73283	1.78923	0.32596	0.48343	0.47975	7.77E+00	2.16E-01	1.42E-05	3.79E-02	8.25E-01	4.51E-02	8.35E-01	7.95E-01	8.94E+00
3143	485363.09	3846377.25	0.73402	0.47681	0.48792	0.56882	1.35186	0.36415	0.4805	0.47681	7.53E+00	2.15E-01	1.24E-05	2.94E-02	6.23E-01	5.03E-02	8.30E-01	7.90E-01	8.48E+00
3144	485863.09	3846377.25	0.73661	0.47389	0.50682	0.53493	1.03147	0.42481	0.47757	0.47389	7.55E+00	2.13E-01	1.29E-05	2.77E-02	4.75E-01	5.87E-02	8.25E-01	7.85E-01	8.37E+00
3145	486363.09	3846377.25	0.76318	0.47095	0.37778	0.48646	0.97757	0.49229	0.47462	0.47095	7.83E+00	2.12E-01	9.58E-06	2.52E-02	4.51E-01	6.81E-02	8.19E-01	7.80E-01	8.62E+00
3146	486863.09	3846377.25	0.79529	0.46798	0.37944	0.42457	1.5112	0.54232	0.47165	0.46798	8.15E+00	2.11E-01	9.63E-06	2.20E-02	6.96E-01	7.50E-02	8.14E-01	7.75E-01	9.20E+00
3147	487363.09	3846377.25	0.79983	0.46499	0.44578	0.36199	2.25096	0.5525	0.46864	0.46499	8.20E+00	2.09E-01	1.13E-05	1.87E-02	1.04E+00	7.64E-02	8.09E-01	7.70E-01	9.58E+00
3148	487863.09	3846377.25	0.75112	0.46195	0.40204	0.41363	2.45565	0.51189	0.46558	0.46195	7.70E+00	2.08E-01	1.02E-05	2.14E-02	1.13E+00	7.08E-02	8.04E-01	7.65E-01	9.17E+00
3149	488363.09	3846377.25	0.63953	0.45888	0.40462	0.5613	3.33921	0.56955	0.46248	0.45888	6.56E+00	2.07E-01	1.03E-05	2.91E-02	1.54E+00	7.87E-02	7.98E-01	7.60E-01	8.45E+00
3150	488863.09	3846377.25	0.62469	0.45577	0.35597	0.7171	2.73195	0.54378	0.45935	0.45577	6.41E+00	2.05E-01	9.03E-06	3.71E-02	1.26E+00	7.52E-02	7.93E-01	7.55E-01	8.02E+00
3151	489363.09	3846377.25	0.52788	0.45262	0.3767	0.77792	1.54747	0.40793	0.45617	0.45262	5.41E+00	2.04E-01	9.56E-06	4.03E-02	7.13E-01	5.64E-02	7.88E-01	7.50E-01	6.46E+00
3152	489863.09	3846377.25	0.45795	0.44945	0.4913	0.70852	1.22274	0.27286	0.45297	0.44945	4.70E+00	2.02E-01	1.25E-05	3.67E-02	5.63E-01	3.77E-02	7.82E-01	7.45E-01	5.57E+00
3153	490363.09	3846377.25	0.51187	0.44626	0.375	0.42962	1.14546	0.31643	0.44974	0.44626	5.25E+00	2.01E-01	9.51E-06	2.22E-02	5.28E-01	4.37E-02	7.76E-01	7.39E-01	6.08E+00
3154	490863.09	3846377.25	0.54566	0.44306	0.39591	0.38573	1.8387	0.33936	0.44651	0.44306	5.60E+00	1.99E-01	1.00E-05	2.00E-02	8.47E-01	4.69E-02	7.71E-01	7.34E-01	6.75E+00
3155	491363.09	3846377.25	0.55667	0.43987	0.35298	0.38338	1.76004	0.34449	0.44328	0.43987	5.71E+00	1.98E-01	8.95E-06	1.98E-02	8.11E-01	4.76E-02	7.65E-01	7.29E-01	6.82E+00
3156	491863.09	3846377.25	0.54651	0.43669	0.39861	0.45981	0.98164	0.32114	0.44007	0.43669	5.60E+00	1.97E-01	1.01E-05	2.38E-02	4.52E-01	4.44E-02	7.60E-01	7.24E-01	6.36E+00
3157	492363.09	3846377.25	0.52194	0.43355	0.4312	0.49727	0.89574	0.26861	0.43688	0.43355	5.35E+00	1.95E-01	1.09E-05	2.57E-02	4.13E-01	3.71E-02	7.54E-01	7.18E-01	6.06E+00
3158	492863.09	3846377.25	0.49304	0.43045	0.27805	0.42353	0.70457	0.2304	0.43374	0.43045	5.06E+00	1.94E-01	7.05E-06	2.19E-02	3.25E-01	3.19E-02	7.49E-01	7.13E-01	5.66E+00
3159	493363.09	3846377.25	0.4696	0.4274	0.31732	0.58673	1.2758	0.26874	0.43066	0.4274	4.82E+00	1.92E-01	8.05E-06	3.04E-02	5.88E-01	3.72E-02	7.44E-01	7.08E-01	5.70E+00
3160	493863.09	3846377.25	0.45801	0.42443	0.35775	0.61088	1.64187	0.29573	0.42765	0.42443	4.70E+00	1.91E-01	9.08E-06	3.16E-02	7.57E-01	4.09E-02	7.38E-01	7.03E-01	5.75E+00
3161	494363.09	3846377.25	0.45991	0.42153	0.29444	0.55898	1.53709	0.30535	0.42472	0.42153	4.72E+00	1.90E-01	7.47E-06	2.89E-02	7.08E-01	4.22E-02	7.33E-01	6.98E-01	5.72E+00
3162	494863.09	3846377.25	0.4726	0.41871	0.25617	0.47666	1.5663	0.29697	0.42187	0.41871	4.85E+00	1.88E-01	6.50E-06	2.47E-02	7.22E-01	4.11E-02	7.28E-01	6.94E-01	5.86E+00
3163	495363.09	3846377.25	0.49073	0.416	0.2474	0.36555	1.84723	0.3009	0.41912	0.416	5.03E+00	1.87E-01	6.28E-06	1.89E-02	8.51E-01	4.16E-02	7.24E-01	6.89E-01	6.17E+00
3164	495863.09	3846377.25	0.50746	0.41338	0.27923	0.32839	1.84033	0.31528	0.41648	0.41338	5.20E+00	1.86E-01	7.08E-06	1.70E-02	8.48E-01	4.36E-02	7.19E-01	6.85E-01	6.33E+00
3165	496363.09	3846377.25	0.53614	0.41088	0.3948	0.3773	1.78981	0.31675	0.41394	0.41088	5.50E+00	1.85E-01	1.00E-05	1.95E-02	8.25E-01	4.38E-02	7.15E-01	6.81E-01	6.60E+00
3166	496863.09	3846377.25	0.56289	0.40848	0.32605	0.48694	1.35655	0.30567	0.41151	0.40848	5.77E+00	1.84E-01	8.27E-06	2.52E-02	6.25E-01	4.23E-02	7.10E-01	6.77E-01	6.68E+00
3167	497363.09	3846377.25	0.57706	0.40619	0.28537	0.57197	1.23588	0.28454	0.40919	0.40619	5.92E+00	1.83E-01	7.24E-06	2.96E-02	5.70E-01	3.93E-02	7.06E-01	6.73E-01	6.77E+00
3168	497863.09	3846377.25	0.57192	0.40401	0.25553	0.58344	1.05975	0.25603	0.40699	0.40401	5.86E+00	1.82E-01	6.48E-06	3.02E-02	4.88E-01	3.54E-02	7.03E-01	6.69E-01	6.63E+00
3169	498363.09	3846377.25	0.54498	0.40194	0.26435	0.48571	1.0456	0.2369	0.4049	0.40194	5.59E+00	1.81E-01	6.71E-06	2.51E-02	4.82E-01	3.28E-02	6.99E-01	6.66E-01	6.34E+00
3170	471363.09	3846877.25	2.46347	3.11268	2.61302	2.58682	5.06094	1.85174	3.12598	3.11268	2.53E+01	1.40E+00	6.63E-05	1.34E-01	2.33E+00	2.56E-01	5.40E+00	5.16E+00	2.96E+01
3171	471863.09	3846877.25	2.22295	5.85629	1.15036	2.66585	5.91816	1.7811	5.92637	5.85629	2.28E+01	2.64E+00	2.92E-05	1.38E-01	2.73E+00	2.46E-01	1.02E+01	9.70E+00	2.91E+01
3172	472363.09	3846877.25	2.0299	35.44358	0.44653	2.35368	4.7497	1.39677	36.521	35.44358	2.08E+01	1.60E+01	1.13E-05	1.22E-01	2.19E+00	1.93E-01	6.31E+01	5.87E+01	4.36E+01
3173	472863.09	3846877.25	2.25838	1.59847	0.49882	0.53386	0.99969	1.20341	1.47284	1.59847	2.32E+01	7.19E-01	1.27E-05	2.76E-02	4.61E-01	1.66E-01	2.54E+00	2.65E+00	2.44E+01
3174	473363.09	3846877.25	2.34863	1.42481	1.28329	0.81216	1.49804	1.29348	1.27055	1.42481	2.41E+01	6.41E-01	3.26E-05	4.20E-02	6.90E-01	1.79E-01	2.19E+00	2.36E+00	2.55E+01
3175	473863.09	3846877.25	2.27003	1.94356	1.85246	1.18956	2.044	1.299	1.96553	1.94356	2.33E+01	8.75E-01	4.70E-05	6.16E-02	9.42E-01	1.80E-01	3.39E+00	3.22E+00	2.55E+01
3176	474363.09	3846877.25	2.19962	1.91102	1.52311	1.48586	2.51936	1.21642	1.93018	1.91102	2.26E+01	8.60E-01	3.86E-05	7.69E-02	1.16E+00	1.68E-01	3.33E+00	3.17E+00	2.50E+01
3177	474863.09	3846877.25	1.74012	1.75804	1.23412	2.48078	2.7809	1.31225	2.06927	1.75804	1.78E+01	7.91E-01	3.13E-05	1.28E-01	1.28E+00	1.81E-01	3.57E+00	2.91E+00	2.09E+01
3178	475363.09	3846877.25	1.46015	1.59556	0.74169	1.86224	3.99092	0.84566	1.61053	1.59556	1.50E+01	7.18E-01	1.88E-05	9.64E-02	1.84E+00	1.17E-01	2.78E+00	2.64E+00	1.79E+01
3179	475863.09	3846877.25	2.75221	1.54822	0.62949	1.77439	2.98883	0.92089	1.56199	1.54822	2.82E+01	6.97E-01	1.60E-05	9.19E-02	1.38E+00	1.27E-01	2.70E+00	2.57E+00	3.06E+01
3180	476363.09	3846877.25	4.06212	1.5521	0.53796	1.00313	2.84433	1.47696	1.34058	1.5521	4.17E+01	6.99E-01	1.36E-05	5.19E-02	1.31E+00	2.04E-01	2.31E+00	2.57E+00	4.37E+01
3181	476863.09	3846877.25	4.70139	1.54434	0.46653	0.5494	1.61554	1.25972	1.40204	1.54434	4.82E+01	6.95E-01	1.18E-05	2.84E-02	7.45E-01	1.74E-01	2.42E+00	2.56E+00	4.97E+01
3182	477363.09	3846877.25	4.03173	1.39793	0.50998	1.33836	0.92367	1.3018	1.5997	1.39793	4.13E+01	6.29E-01	1.29E-05	6.93E-02	4.26E-01	1.80E-01	2.76E+00	2.32E+00	4.31E+01

3183	477863.09	3846877.25	2.71767	1.10694	0.43029	1.8575	1.04134	1.23549	1.30921	1.10694	2.79E+01	4.98E-01	1.09E-05	9.62E-02	4.80E-01	1.71E-01	2.26E+00	1.83E+00	2.95E+01
3184	478363.09	3846877.25	2.43613	1.09647	0.48353	1.78823	4.61399	0.97448	1.10907	1.09647	2.50E+01	4.93E-01	1.23E-05	9.26E-02	2.13E+00	1.35E-01	1.91E+00	1.82E+00	2.79E+01
3185	478863.09	3846877.25	3.1208	1.09009	0.66837	1.309	6.24422	0.63532	1.10246	1.09009	3.20E+01	4.91E-01	1.70E-05	6.78E-02	2.88E+00	8.78E-02	1.90E+00	1.81E+00	3.56E+01
3186	479363.09	3846877.25	2.75495	1.07845	0.57885	0.69624	4.39238	0.55178	1.08907	1.07845	2.82E+01	4.85E-01	1.47E-05	3.60E-02	2.02E+00	7.63E-02	1.88E+00	1.79E+00	3.10E+01
3187	479863.09	3846877.25	2.42709	1.05834	0.57128	0.57103	0.89623	0.4677	1.0666	1.05834	2.49E+01	4.76E-01	1.45E-05	2.96E-02	4.13E-01	6.47E-02	1.84E+00	1.75E+00	2.60E+01
3188	480363.09	3846877.25	2.1275	0.89296	0.81285	0.42533	0.75575	0.4944	0.89972	0.89296	2.18E+01	4.02E-01	2.06E-05	2.20E-02	3.48E-01	6.84E-02	1.55E+00	1.48E+00	2.27E+01
3189	480863.09	3846877.25	2.44528	0.58488	0.94064	0.49324	0.88893	0.55294	0.58934	0.58488	2.51E+01	2.63E-01	2.39E-05	2.55E-02	4.10E-01	7.64E-02	1.02E+00	9.69E-01	2.59E+01
3190	481363.09	3846877.25	2.38122	0.64734	0.86628	0.56926	1.19948	0.6416	0.65612	0.64734	2.44E+01	2.91E-01	2.20E-05	2.95E-02	5.53E-01	8.87E-02	1.13E+00	1.07E+00	2.54E+01
3191	481863.09	3846877.25	2.39994	0.54658	0.55178	0.61211	1.48229	0.7179	0.55326	0.54658	2.46E+01	2.46E-01	1.40E-05	3.17E-02	6.83E-01	9.93E-02	9.55E-01	9.06E-01	2.57E+01
3192	482363.09	3846877.25	1.83447	0.53552	0.39391	0.52634	1.56509	0.79822	0.53969	0.53552	1.88E+01	2.41E-01	9.99E-06	2.72E-02	7.21E-01	1.10E-01	9.32E-01	8.87E-01	2.00E+01
3193	482863.09	3846877.25	1.97535	0.53163	0.51487	0.47936	1.39408	0.88973	0.53579	0.53163	2.03E+01	2.39E-01	1.31E-05	2.48E-02	6.42E-01	1.23E-01	9.25E-01	8.81E-01	2.13E+01
3194	483363.09	3846877.25	1.30335	0.52753	0.67639	0.5907	1.87726	0.85977	0.53167	0.52753	1.34E+01	2.37E-01	1.72E-05	3.06E-02	8.65E-01	1.19E-01	9.18E-01	8.74E-01	1.47E+01
3195	483863.09	3846877.25	1.10399	0.52324	0.69779	0.75004	3.34493	0.72134	0.52736	0.52324	1.13E+01	2.35E-01	1.77E-05	3.88E-02	1.54E+00	9.97E-02	9.10E-01	8.67E-01	1.33E+01
3196	484363.09	3846877.25	0.79498	0.5188	0.63362	0.83809	3.62653	0.5256	0.52289	0.5188	8.15E+00	2.33E-01	1.61E-05	4.34E-02	1.67E+00	7.27E-02	9.03E-01	8.60E-01	1.02E+01
3197	484863.09	3846877.25	0.75841	0.51424	0.58076	0.78791	2.32951	0.35246	0.51829	0.51424	7.78E+00	2.31E-01	1.47E-05	4.08E-02	1.07E+00	4.87E-02	8.95E-01	8.52E-01	9.21E+00
3198	485363.09	3846877.25	0.7324	0.50958	0.50771	0.62618	1.6141	0.36563	0.5136	0.50958	7.51E+00	2.29E-01	1.29E-05	3.24E-02	7.44E-01	5.05E-02	8.87E-01	8.44E-01	8.61E+00
3199	485863.09	3846877.25	0.7358	0.50487	0.51228	0.55192	1.03796	0.42817	0.50884	0.50487	7.54E+00	2.27E-01	1.30E-05	2.86E-02	4.78E-01	5.92E-02	8.79E-01	8.37E-01	8.38E+00
3200	486363.09	3846877.25	0.78507	0.50012	0.50098	0.50991	1.03999	0.49931	0.50406	0.50012	8.05E+00	2.25E-01	1.27E-05	2.64E-02	4.79E-01	6.90E-02	8.70E-01	8.29E-01	8.89E+00
3201	486863.09	3846877.25	0.80286	0.49538	0.38776	0.45019	1.51935	0.55118	0.49927	0.49538	8.23E+00	2.23E-01	9.84E-06	2.33E-02	7.00E-01	7.62E-02	8.62E-01	8.21E-01	9.30E+00
3202	487363.09	3846877.25	0.80953	0.49068	0.47839	0.3856	2.31252	0.56232	0.49452	0.49068	8.30E+00	2.21E-01	1.21E-05	2.00E-02	1.07E+00	7.77E-02	8.54E-01	8.13E-01	9.73E+00
3203	487863.09	3846877.25	0.75912	0.48604	0.42369	0.4126	2.53153	0.52062	0.48984	0.48604	7.78E+00	2.19E-01	1.07E-05	2.14E-02	1.17E+00	7.20E-02	8.46E-01	8.05E-01	9.30E+00
3204	488363.09	3846877.25	0.64512	0.4815	0.37393	0.56522	3.48525	0.57955	0.48525	0.4815	6.62E+00	2.17E-01	9.49E-06	2.93E-02	1.61E+00	8.01E-02	8.38E-01	7.98E-01	8.59E+00
3205	488863.09	3846877.25	0.62594	0.4771	0.3556	0.73052	2.57653	0.53856	0.4808	0.4771	6.42E+00	2.15E-01	9.02E-06	3.78E-02	1.19E+00	7.45E-02	8.30E-01	7.91E-01	7.97E+00
3206	489363.09	3846877.25	0.51709	0.47285	0.48519	0.79478	1.52345	0.39776	0.4765	0.47285	5.30E+00	2.13E-01	1.23E-05	4.11E-02	7.02E-01	5.50E-02	8.23E-01	7.83E-01	6.35E+00
3207	489863.09	3846877.25	0.50206	0.46878	0.43753	0.71866	1.31243	0.2913	0.47239	0.46878	5.15E+00	2.11E-01	1.11E-05	3.72E-02	6.05E-01	4.03E-02	8.16E-01	7.77E-01	6.08E+00
3208	490363.09	3846877.25	0.5424	0.46491	0.36976	0.51775	1.38286	0.32747	0.46847	0.46491	5.56E+00	2.09E-01	9.38E-06	2.68E-02	6.37E-01	4.53E-02	8.09E-01	7.70E-01	6.52E+00
3209	490863.09	3846877.25	0.55992	0.46126	0.39912	0.38532	1.97118	0.34556	0.46478	0.46126	5.74E+00	2.08E-01	1.01E-05	1.99E-02	9.08E-01	4.78E-02	8.02E-01	7.64E-01	6.96E+00
3210	491363.09	3846877.25	0.55435	0.45784	0.36273	0.38573	1.58259	0.34351	0.46131	0.45784	5.68E+00	2.06E-01	9.20E-06	2.00E-02	7.29E-01	4.75E-02	7.96E-01	7.59E-01	6.73E+00
3211	491863.09	3846877.25	0.53116	0.45465	0.46534	0.47044	0.95556	0.31058	0.45809	0.45465	5.45E+00	2.05E-01	1.18E-05	2.44E-02	4.40E-01	4.29E-02	7.91E-01	7.53E-01	6.20E+00
3212	492363.09	3846877.25	0.50045	0.45169	0.29187	0.49341	1.12266	0.24982	0.4551	0.45169	5.13E+00	2.03E-01	7.40E-06	2.55E-02	5.17E-01	3.45E-02	7.86E-01	7.48E-01	5.95E+00
3213	492863.09	3846877.25	0.47317	0.44897	0.26966	0.4887	1.03623	0.25558	0.45234	0.44897	4.85E+00	2.02E-01	6.84E-06	2.53E-02	4.78E-01	3.53E-02	7.81E-01	7.44E-01	5.63E+00
3214	493363.09	3846877.25	0.45725	0.44648	0.35663	0.617	1.57145	0.28912	0.44982	0.44648	4.69E+00	2.01E-01	9.05E-06	3.19E-02	7.24E-01	4.00E-02	7.77E-01	7.40E-01	5.72E+00
3215	493863.09	3846877.25	0.45575	0.4442	0.34548	0.60211	1.68561	0.30687	0.44751	0.4442	4.67E+00	2.00E-01	8.76E-06	3.12E-02	7.77E-01	4.24E-02	7.73E-01	7.36E-01	5.76E+00
3216	494363.09	3846877.25	0.46679	0.44213	0.26229	0.5432	1.46937	0.30549	0.44541	0.44213	4.79E+00	1.99E-01	6.65E-06	2.81E-02	6.77E-01	4.22E-02	7.69E-01	7.33E-01	5.77E+00
3217	494863.09	3846877.25	0.48527	0.44025	0.24634	0.43952	1.84536	0.29917	0.44351	0.44025	4.98E+00	1.98E-01	6.25E-06	2.28E-02	8.50E-01	4.14E-02	7.66E-01	7.29E-01	6.12E+00
3218	495363.09	3846877.25	0.5141	0.43854	0.26607	0.35964	1.92779	0.31747	0.44178	0.43854	5.27E+00	1.97E-01	6.75E-06	1.86E-02	8.88E-01	4.39E-02	7.63E-01	7.27E-01	6.46E+00
3219	495863.09	3846877.25	0.54665	0.43699	0.39519	0.33004	1.85733	0.32263	0.4402	0.43699	5.61E+00	1.97E-01	1.00E-05	1.71E-02	8.56E-01	4.46E-02	7.60E-01	7.24E-01	6.76E+00
3220	496363.09	3846877.25	0.57055	0.43558	0.36398	0.4455	1.44351	0.31444	0.43877	0.43558	5.85E+00	1.96E-01	9.23E-06	2.31E-02	6.65E-01	4.35E-02	7.58E-01	7.22E-01	6.81E+00
3221	496863.09	3846877.25	0.57981	0.43429	0.29447	0.54684	1.30017	0.29513	0.43747	0.43429	5.95E+00	1.95E-01	7.47E-06	2.83E-02	5.99E-01	4.08E-02	7.55E-01	7.20E-01	6.84E+00
3222	497363.09	3846877.25	0.56754	0.43311	0.27218	0.60145	1.08609	0.27925	0.43626	0.43311	5.82E+00	1.95E-01	6.90E-06	3.11E-02	5.01E-01	3.86E-02	7.53E-01	7.18E-01	6.62E+00
3223	497863.09	3846877.25	0.53357	0.43201	0.27135	0.54779	1.0733	0.26701	0.43515	0.43201	5.47E+00	1.94E-01	6.88E-06	2.84E-02	4.95E-01	3.69E-02	7.51E-01	7.16E-01	6.26E+00
3224	498363.09	3846877.25	0.48746	0.43099	0.34955	0.51641	1.18561	0.34763	0.43411	0.43099	5.00E+00	1.94E-01	8.87E-06	2.67E-02	5.46E-01	4.81E-02	7.49E-01	7.14E-01	5.85E+00
3225	471363.09	3847377.25	2.90458	3.17749	4.40633	1.74466	2.03112	1.69995	3.2065	3.17749	2.98E+01	1.43E+00	1.12E-04	9.03E-02	9.36E-01	2.35E-01	5.54E+00	5.26E+00	3.27E+01
3226	471863.09	3847377.25	2.71843	4.13869	3.63496	2.48743	4.18273	1.89591	4.16478	4.13869	2.79E+01	1.86E+00	9.22E-05	1.29E-01	1.93E+00	2.62E-01	7.19E+00	6.86E+00	3.24E+01
3227	472363.09	3847377.25	2.45098	3.9551	1.9514	2.77821	5.93425	1.91816	3.99448	3.9551	2.51E+01	1.78E+00	4.95E-05	1.44E-01	2.73E+00	2.65E-01	6.90E+00	6.55E+00	3.04E+01
3228	472863.09	3847377.25	2.28177	9.8548	0.51807	2.84894	6.04492	1.76995	9.90294	9.8548	2.34E+01	4.44E+00	1.31E-05	1.47E-01	2.79E+00	2.45E-01	1.71E+01	1.63E+01	3.18E+01
3229	473363.09	3847377.25	2.27611	4.73393	0.50751	1.58021	2.78254	1.19739	4.76838	4.73393	2.33E+01	2.13E+00	1.29E-05	8.18E-02	1.28E+00	1.66E-01	8.23E+00	7.84E+00	2.74E+01
3230	473863.09	3847377.25	2.398	2.84799	1.43048	0.72377	1.36622	1.30856	2.87397	2.84799	2.46E+01	1.28E+00	3.63E-05	3.75E-02	6.30E-01	1.81E-01	4.96E+00	4.72E+00	2.70E+01
3231	474363.09	3847377.25	2.4544	3.00187	2.30948	1.1236	1.94181	1.33502	3.02127	3.00187	2.52E+01	1.35E+00	5.86E-05	5.82E-02	8.95E-01	1.85E-01	5.22E+00	4.97E+00	2.79E+01
3232	474863.09	3847377.25	2.39702	2.25326	1.65939	1.48385	2.48414	1.26994	2.27286	2.25326	2.46E+01	1.01E+00	4.21E-05	7.68E-02	1.14E+00	1.76E-01	3.92E+00	3.73E+00	2.72E+01
3233	475363.09	3847377.25	1.95817	1.77212	1.3357	2.34518	2.83627	1.32121	2.14883	1.77212	2.01E+01	7.98E-01	3.39E-05	1.21E-01	1.31E+00	1.83E-01	3.71E+00	2.94E+00	2.33E+01
3234	475863.09	3847377.25	1.7737	1.71695	0.86752	2.45962	4.32957	1.13346	2.08533	1.71695	1.82E+01	7.73E-01	2.20E-05	1.27E-01	2.00E+00	1.57E-01	3.60E+00	2.84E+00	2.20E+01
3235	476363.09	3847377.25	3.18491	1.44718	0.646	1.9294	3.7963	1.36591	1.84029	1.44718	3.27E+01	6.51E-01	1.64E-05	9.99E-02	1.75E+00	1.89E-01	3.18E+00	2.40E+00	3.61E+01
3236	476863.09	3847377.25	4.40711	1.77391	0.53616	1.16184	3.06407	1.57586	1.4509	1.77391	4.52E+01	7.98E-01	1.36E-05	6.01E-02	1.41E+00	2.18E-01	2.50E+00	2.94E+00	4.72E+01
3237	477363.09	3847377.25	4.97635	1.84145	0.54032	0.76878	1.895	1.43197	1.81925	1.84145	5.10E+01	8.29E-01	1.37E-05	3.98E-02	8.73E-01	1.98E-01	3.14E+00	3.05E+00	5.31E+01
3238	477863.09	3847377.25	4.03362	1.31724	0.5099	1.48697	0.95617	1.39517	1.60679	1.31724	4.14E+01	5.93E-01	1.29E-05	7.70E-02	4.41E-01	1.93E-01	2.77E+00	2.18E+00	4.33E+01
3239	478363.09	3847377.25	2.68461	1.18943	0.43709	2.12752	1.48704	1.3615	1.44818	1.18943	2.75E+01	5.35E-01	1.11E-05	1.10E-01	6.85E-01	1.88E-01	2.50E+00	1.97E+00	2.96E+01
3240	478863.09	3847377.25	3.25579	1.17385	0.4852	1.98123	5.92789	1.04782	1.19102	1.17385	3.34E+01	5.28E-01	1.23E-05	1.03E-01	2.73E+00	1.45E-01	2.06E+00	1.94E+00	3.70E+01
3241	479363.09	3847377.25	2.83084	1.13892	0.57137	1.09413	5.67419	0.51408	1.15033	1.13892	2.90E+01	5.13E-01	1.45E-05	5.66E-02	2.61E+00	7.11E-02	1.99E+00	1.89E+00	3.24E+01

3242	479863.09	3847377.25	1.69539	1.09349	0.60152	0.39544	2.36329	0.44896	1.10614	1.09349	1.74E+01	4.92E-01	1.53E-05	2.05E-02	1.09E+00	6.21E-02	1.91E+00	1.81E+00	1.91E+01
3243	480363.09	3847377.25	1.39131	0.59651	0.69055	0.38496	0.79417	0.49423	0.57512	0.59651	1.43E+01	2.68E-01	1.75E-05	1.99E-02	3.66E-01	6.83E-02	9.93E-01	9.88E-01	1.50E+01
3244	480863.09	3847377.25	1.21391	0.56351	0.96448	0.46704	0.83173	0.5102	0.56769	0.56351	1.24E+01	2.54E-01	2.45E-05	2.42E-02	3.83E-01	7.05E-02	9.80E-01	9.34E-01	1.32E+01
3245	481363.09	3847377.25	1.69356	0.5562	0.87609	0.52437	1.01257	0.53119	0.5603	0.5562	1.74E+01	2.50E-01	2.22E-05	2.71E-02	4.67E-01	7.34E-02	9.67E-01	9.22E-01	1.82E+01
3246	481863.09	3847377.25	2.36085	0.57458	0.66802	0.62487	1.39046	0.70832	0.57976	0.57458	2.42E+01	2.59E-01	1.69E-05	3.23E-02	6.41E-01	9.79E-02	1.00E+00	9.52E-01	2.53E+01
3247	482363.09	3847377.25	2.50357	0.54369	0.83982	0.64521	1.60431	0.79667	0.54766	0.54369	2.57E+01	2.45E-01	2.13E-05	3.34E-02	7.39E-01	1.10E-01	9.46E-01	9.01E-01	2.68E+01
3248	482863.09	3847377.25	2.68287	0.53499	0.5264	0.51409	1.5643	0.88348	0.5389	0.53499	2.75E+01	2.41E-01	1.34E-05	2.66E-02	7.21E-01	1.22E-01	9.30E-01	8.86E-01	2.87E+01
3249	483363.09	3847377.25	1.99198	0.52828	0.6962	0.5382	1.335	0.89661	0.53215	0.52828	2.04E+01	2.38E-01	1.77E-05	2.79E-02	6.15E-01	1.24E-01	9.19E-01	8.75E-01	2.15E+01
3250	483863.09	3847377.25	1.78058	0.52184	0.71016	0.70403	2.9406	0.789	0.52567	0.52184	1.83E+01	2.35E-01	1.80E-05	3.64E-02	1.36E+00	1.09E-01	9.08E-01	8.65E-01	2.00E+01
3251	484363.09	3847377.25	1.33026	0.51569	0.64443	0.83047	3.85454	0.5994	0.51949	0.51569	1.36E+01	2.32E-01	1.63E-05	4.30E-02	1.78E+00	8.29E-02	8.97E-01	8.54E-01	1.58E+01
3252	484863.09	3847377.25	0.79057	0.5099	0.73041	0.83139	2.9243	0.40444	0.51367	0.5099	8.11E+00	2.29E-01	1.85E-05	4.30E-02	1.35E+00	5.59E-02	8.87E-01	8.45E-01	9.82E+00
3253	485363.09	3847377.25	0.73101	0.5045	0.58274	0.69089	3.57442	0.36719	0.50824	0.5045	7.50E+00	2.27E-01	1.48E-05	3.58E-02	1.65E+00	5.08E-02	8.77E-01	8.36E-01	9.50E+00
3254	485863.09	3847377.25	0.73573	0.49955	0.54093	0.56611	1.46502	0.43177	0.50327	0.49955	7.54E+00	2.25E-01	1.37E-05	2.93E-02	6.75E-01	5.97E-02	8.69E-01	8.28E-01	8.57E+00
3255	486363.09	3847377.25	0.81039	0.49508	0.66325	0.53187	1.0985	0.5057	0.49877	0.49508	8.31E+00	2.23E-01	1.68E-05	2.75E-02	5.06E-01	6.99E-02	8.61E-01	8.20E-01	9.18E+00
3256	486863.09	3847377.25	0.83773	0.49111	0.40879	0.47621	1.52166	0.56006	0.49478	0.49111	8.59E+00	2.21E-01	1.04E-05	2.47E-02	7.01E-01	7.74E-02	8.54E-01	8.14E-01	9.65E+00
3257	487363.09	3847377.25	0.8184	0.48765	0.48377	0.4103	2.37651	0.57227	0.49131	0.48765	8.39E+00	2.19E-01	1.23E-05	2.12E-02	1.10E+00	7.91E-02	8.48E-01	8.08E-01	9.85E+00
3258	487863.09	3847377.25	0.76746	0.48471	0.48268	0.41131	2.61327	0.52967	0.48834	0.48471	7.87E+00	2.18E-01	1.22E-05	2.13E-02	1.20E+00	7.32E-02	8.43E-01	8.03E-01	9.43E+00
3259	488363.09	3847377.25	0.73188	0.48226	0.358	0.56893	3.62397	0.58975	0.48588	0.48226	7.50E+00	2.17E-01	9.08E-06	2.95E-02	1.67E+00	8.15E-02	8.39E-01	7.99E-01	9.54E+00
3260	488863.09	3847377.25	0.62669	0.48027	0.4518	0.74451	2.39536	0.53255	0.48388	0.48027	6.43E+00	2.16E-01	1.15E-05	3.85E-02	1.10E+00	7.36E-02	8.35E-01	7.96E-01	7.90E+00
3261	489363.09	3847377.25	0.50535	0.47872	0.49959	0.81257	1.48772	0.3865	0.48231	0.47872	5.18E+00	2.15E-01	1.27E-05	4.21E-02	6.86E-01	5.34E-02	8.33E-01	7.93E-01	6.22E+00
3262	489863.09	3847377.25	0.53707	0.47755	0.39407	0.72878	1.37032	0.30786	0.48113	0.47755	5.51E+00	2.15E-01	1.00E-05	3.77E-02	6.31E-01	4.26E-02	8.31E-01	7.91E-01	6.47E+00
3263	490363.09	3847377.25	0.56161	0.47672	0.40283	0.59073	1.66511	0.33669	0.48028	0.47672	5.76E+00	2.15E-01	1.02E-05	3.06E-02	7.67E-01	4.65E-02	8.29E-01	7.90E-01	6.86E+00
3264	490863.09	3847377.25	0.56164	0.47617	0.3781	0.49647	2.00951	0.35079	0.47973	0.47617	5.76E+00	2.14E-01	9.59E-06	2.57E-02	9.26E-01	4.85E-02	8.28E-01	7.89E-01	7.01E+00
3265	491363.09	3847377.25	0.5409	0.47586	0.48906	0.43139	1.37107	0.33985	0.47941	0.47586	5.55E+00	2.14E-01	1.24E-05	2.23E-02	6.32E-01	4.70E-02	8.28E-01	7.88E-01	6.50E+00
3266	491863.09	3847377.25	0.50911	0.47574	0.34788	0.48176	1.31225	0.29767	0.47927	0.47574	5.22E+00	2.14E-01	8.82E-06	2.49E-02	6.05E-01	4.12E-02	8.27E-01	7.88E-01	6.14E+00
3267	492363.09	3847377.25	0.47815	0.47575	0.27318	0.48728	1.01529	0.2503	0.47928	0.47575	4.90E+00	2.14E-01	6.93E-06	2.52E-02	4.68E-01	3.46E-02	8.27E-01	7.88E-01	5.68E+00
3268	492863.09	3847377.25	0.45761	0.47586	0.28022	0.55077	1.39752	0.27924	0.47938	0.47586	4.69E+00	2.14E-01	7.11E-06	2.85E-02	6.44E-01	3.86E-02	8.28E-01	7.88E-01	5.66E+00
3269	493363.09	3847377.25	0.45213	0.47603	0.3851	0.63165	1.75268	0.30488	0.47954	0.47603	4.64E+00	2.14E-01	9.77E-06	3.27E-02	8.08E-01	4.22E-02	8.28E-01	7.89E-01	5.77E+00
3270	493863.09	3847377.25	0.46089	0.47622	0.31538	0.5878	1.54585	0.31158	0.47973	0.47622	4.73E+00	2.14E-01	8.00E-06	3.04E-02	7.12E-01	4.31E-02	8.28E-01	7.89E-01	5.77E+00
3271	494363.09	3847377.25	0.48894	0.4764	0.24196	0.52551	1.81075	0.29965	0.4799	0.4764	5.01E+00	2.14E-01	6.14E-06	2.72E-02	8.34E-01	4.14E-02	8.29E-01	7.89E-01	6.17E+00
3272	494863.09	3847377.25	0.52611	0.47655	0.27293	0.39087	1.99936	0.31838	0.48003	0.47655	5.39E+00	2.14E-01	6.92E-06	2.02E-02	9.21E-01	4.40E-02	8.29E-01	7.90E-01	6.63E+00
3273	495363.09	3847377.25	0.55643	0.47663	0.38261	0.33366	1.88555	0.32754	0.48011	0.47663	5.71E+00	2.15E-01	9.71E-06	1.73E-02	8.69E-01	4.53E-02	8.29E-01	7.90E-01	6.89E+00
3274	495863.09	3847377.25	0.57708	0.47664	0.40002	0.40033	1.61259	0.32263	0.48011	0.47664	5.92E+00	2.15E-01	1.01E-05	2.07E-02	7.43E-01	4.46E-02	8.29E-01	7.90E-01	6.98E+00
3275	496363.09	3847377.25	0.58057	0.47656	0.28852	0.51092	1.0543	0.30545	0.48001	0.47656	5.95E+00	2.14E-01	7.32E-06	2.64E-02	4.86E-01	4.22E-02	8.29E-01	7.90E-01	6.76E+00
3276	496863.09	3847377.25	0.56054	0.47638	0.30004	0.5964	1.11046	0.28543	0.47982	0.47638	5.75E+00	2.14E-01	7.61E-06	3.09E-02	5.12E-01	3.95E-02	8.28E-01	7.89E-01	6.58E+00
3277	497363.09	3847377.25	0.52003	0.47609	0.33863	0.59655	1.10562	0.36637	0.47951	0.47609	5.33E+00	2.14E-01	8.59E-06	3.09E-02	5.10E-01	5.07E-02	8.28E-01	7.89E-01	6.18E+00
3278	497863.09	3847377.25	0.537	0.47568	0.44334	0.50171	1.22245	0.41572	0.47908	0.47568	5.51E+00	2.14E-01	1.12E-05	2.60E-02	5.63E-01	5.75E-02	8.27E-01	7.88E-01	6.41E+00
3279	498363.09	3847377.25	0.5603	0.47515	0.53129	0.5708	1.23475	0.43725	0.47853	0.47515	5.75E+00	2.14E-01	1.35E-05	2.95E-02	5.69E-01	6.05E-02	8.26E-01	7.87E-01	6.66E+00
3280	471363.09	3847877.25	2.91809	2.88404	3.40143	1.55441	3.69422	1.6654	2.90709	2.88404	2.99E+01	1.30E+00	8.63E-05	8.05E-02	1.70E+00	2.30E-01	5.02E+00	4.78E+00	3.35E+01
3281	471863.09	3847877.25	3.06587	2.6681	4.72329	1.50427	2.41877	1.7397	2.68294	2.6681	3.14E+01	1.20E+00	1.20E-04	7.79E-02	1.11E+00	2.41E-01	4.63E+00	4.42E+00	3.43E+01
3282	472363.09	3847877.25	2.98602	3.71938	4.65464	2.25943	3.11508	1.92131	3.74363	3.71938	3.06E+01	1.67E+00	1.18E-04	1.17E-01	1.44E+00	2.66E-01	6.46E+00	6.16E+00	3.44E+01
3283	472863.09	3847877.25	2.69697	5.23757	3.10713	2.79715	5.3596	2.02557	5.27717	5.23757	2.77E+01	2.36E+00	7.88E-05	1.45E-01	2.47E+00	2.80E-01	9.11E+00	8.68E+00	3.33E+01
3284	473363.09	3847877.25	2.53822	5.15584	1.34547	2.88917	6.46884	1.95159	5.194	5.15584	2.60E+01	2.32E+00	3.41E-05	1.50E-01	2.98E+00	2.70E-01	8.97E+00	8.54E+00	3.22E+01
3285	473863.09	3847877.25	2.31602	36.40128	0.54619	2.71334	5.4545	1.62392	37.6091	36.40128	2.37E+01	1.64E+01	1.39E-05	1.40E-01	2.51E+00	2.25E-01	6.49E+01	6.03E+01	4.76E+01
3286	474363.09	3847877.25	2.43425	3.79587	1.39568	1.04864	1.90997	1.3184	3.83236	3.79587	2.50E+01	1.71E+00	3.54E-05	5.43E-02	8.80E-01	1.82E-01	6.62E+00	6.29E+00	2.81E+01
3287	474863.09	3847877.25	2.59838	3.2871	2.68655	1.03967	1.81779	1.36672	3.322	3.2871	2.66E+01	1.48E+00	6.82E-05	5.38E-02	8.38E-01	1.89E-01	5.74E+00	5.45E+00	2.95E+01
3288	475363.09	3847877.25	2.58181	2.29981	1.77753	1.46061	2.42122	1.32119	2.32101	2.29981	2.65E+01	1.04E+00	4.51E-05	7.56E-02	1.12E+00	1.83E-01	4.01E+00	3.81E+00	2.91E+01
3289	475863.09	3847877.25	2.20814	2.02659	1.49586	2.12652	2.87295	1.29715	2.27082	2.02659	2.26E+01	9.12E-01	3.79E-05	1.10E-01	1.32E+00	1.79E-01	3.92E+00	3.36E+00	2.57E+01
3290	476363.09	3847877.25	2.13683	2.0903	1.03844	3.05497	4.4936	1.4525	2.71273	2.0903	2.19E+01	9.41E-01	2.63E-05	1.58E-01	2.07E+00	2.01E-01	4.68E+00	3.46E+00	2.65E+01
3291	476863.09	3847877.25	3.56299	1.6585	0.69934	2.04587	4.45397	1.68187	2.0795	1.6585	3.65E+01	7.46E-01	1.77E-05	1.06E-01	2.05E+00	2.33E-01	3.59E+00	2.75E+00	4.05E+01
3292	477363.09	3847877.25	4.76707	2.16606	0.53269	1.36847	3.28007	1.78253	1.56662	2.16606	4.89E+01	9.75E-01	1.35E-05	7.08E-02	1.51E+00	2.46E-01	2.70E+00	3.59E+00	5.08E+01
3293	477863.09	3847877.25	5.22253	2.17473	0.60951	1.02546	2.19871	1.60508	2.297	2.17473	5.36E+01	9.79E-01	1.55E-05	5.31E-02	1.01E+00	2.22E-01	3.97E+00	3.60E+00	5.62E+01
3294	478363.09	3847877.25	4.02063	1.30448	0.49414	1.66938	0.99165	1.52797	1.63181	1.30448	4.12E+01	5.87E-01	1.25E-05	8.64E-02	4.57E-01	2.11E-01	2.82E+00	2.16E+00	4.32E+01
3295	478863.09	3847877.25	2.84162	1.19182	0.43826	2.36879	2.01766	1.44767	1.53645	1.19182	2.91E+01	5.36E-01	1.11E-05	1.23E-01	9.30E-01	2.00E-01	2.65E+00	1.97E+00	3.16E+01
3296	479363.09	3847877.25	2.6281	1.05118	0.53854	1.41414	4.7962	0.75164	1.0598	1.05118	2.69E+01	4.73E-01	1.37E-05	7.32E-02	2.21E+00	1.04E-01	1.83E+00	1.74E+00	2.99E+01
3297	479863.09	3847877.25	1.00678	0.53878	0.61887	0.40888	2.3898	0.41964	0.54206	0.53878	1.03E+01	2.42E-01	1.57E-05	2.12E-02	1.10E+00	5.80E-02	9.36E-01	8.93E-01	1.18E+01
3298	480363.09	3847877.25	1.58269	0.5648	0.60047	0.3956	1.18456	0.48344	0.56971	0.5648	1.62E+01	2.54E-01	1.52E-05	2.05E-02	5.46E-01	6.68E-02	9.84E-01	9.36E-01	1.72E+01
3299	480863.09	3847877.25	1.76639	0.61355	0.95208	0.43214	0.81303	0.51323	0.52951	0.61355	1.81E+01	2.76E-01	2.42E-05	2.24E-02	3.75E-01	7.10E-02	9.14E-01	1.02E+00	1.88E+01
3300	481363.09	3847877.25	1.75314	0.52071	0.93434	0.50384	0.91332	0.52804	0.52405	0.52071	1.80E+01	2.34E-01	2.37E-05	2.61E-02	4.21E-01	7.30E-02	9.05E-01	8.63E-01	1.88E+01

3301	481863.09	3847877.25	2.35236	0.67403	0.75741	0.73065	1.21472	0.74794	0.67832	0.67403	2.41E+01	3.03E-01	1.92E-05	3.78E-02	5.60E-01	1.03E-01	1.17E+00	1.12E+00	2.52E+01
3302	482363.09	3847877.25	2.43928	0.55037	0.79247	0.72836	1.94509	0.82218	0.55585	0.55037	2.50E+01	2.48E-01	2.01E-05	3.77E-02	8.96E-01	1.14E-01	9.60E-01	9.12E-01	2.64E+01
3303	482863.09	3847877.25	2.6423	0.50927	0.53868	0.64077	1.68013	0.87633	0.51273	0.50927	2.71E+01	2.29E-01	1.37E-05	3.32E-02	7.74E-01	1.21E-01	8.85E-01	8.44E-01	2.83E+01
3304	483363.09	3847877.25	2.74171	0.5072	0.71767	0.49536	1.48927	0.92017	0.51071	0.5072	2.81E+01	2.28E-01	1.82E-05	2.56E-02	6.86E-01	1.27E-01	8.82E-01	8.40E-01	2.92E+01
3305	483863.09	3847877.25	2.55964	0.5064	0.7213	0.6514	2.37537	0.84945	0.50997	0.5064	2.62E+01	2.28E-01	1.83E-05	3.37E-02	1.09E+00	1.17E-01	8.80E-01	8.39E-01	2.78E+01
3306	484363.09	3847877.25	2.05752	0.50663	0.65527	0.81151	3.84321	0.67698	0.51026	0.50663	2.11E+01	2.28E-01	1.66E-05	4.20E-02	1.77E+00	9.36E-02	8.81E-01	8.39E-01	2.33E+01
3307	484863.09	3847877.25	1.36996	0.50778	0.74269	0.85917	3.51151	0.46707	0.51147	0.50778	1.40E+01	2.29E-01	1.88E-05	4.45E-02	1.62E+00	6.46E-02	8.83E-01	8.41E-01	1.60E+01
3308	485363.09	3847877.25	1.02836	0.5097	0.66861	0.75865	3.64172	0.37191	0.51345	0.5097	1.05E+01	2.29E-01	1.70E-05	3.93E-02	1.68E+00	5.14E-02	8.86E-01	8.45E-01	1.26E+01
3309	485863.09	3847877.25	0.89984	0.51223	0.54668	0.57782	2.13166	0.43527	0.51604	0.51223	9.23E+00	2.31E-01	1.39E-05	2.99E-02	9.82E-01	6.02E-02	8.91E-01	8.49E-01	1.06E+01
3310	486363.09	3847877.25	0.83128	0.51521	0.69073	0.55194	1.15343	0.51201	0.51907	0.51521	8.52E+00	2.32E-01	1.75E-05	2.86E-02	5.32E-01	7.08E-02	8.96E-01	8.54E-01	9.43E+00
3311	486863.09	3847877.25	0.83734	0.51845	0.54792	0.50184	1.51875	0.56895	0.52237	0.51845	8.59E+00	2.33E-01	1.39E-05	2.60E-02	7.00E-01	7.87E-02	9.02E-01	8.59E-01	9.67E+00
3312	487363.09	3847877.25	0.8258	0.52183	0.51721	0.43651	2.43922	0.58224	0.52579	0.52183	8.47E+00	2.35E-01	1.31E-05	2.26E-02	1.12E+00	8.05E-02	9.08E-01	8.65E-01	9.97E+00
3313	487863.09	3847877.25	0.77592	0.5252	0.50854	0.40961	2.70131	0.53905	0.5292	0.5252	7.96E+00	2.36E-01	1.29E-05	2.12E-02	1.24E+00	7.45E-02	9.14E-01	8.70E-01	9.58E+00
3314	488363.09	3847877.25	0.81531	0.52846	0.39602	0.57231	3.75425	0.59989	0.53249	0.52846	8.36E+00	2.38E-01	1.00E-05	2.96E-02	1.73E+00	8.29E-02	9.19E-01	8.76E-01	1.05E+01
3315	488863.09	3847877.25	0.95383	0.53152	0.56042	0.7591	2.19142	0.52607	0.53557	0.53152	9.78E+00	2.39E-01	1.42E-05	3.93E-02	1.01E+00	7.27E-02	9.25E-01	8.81E-01	1.12E+01
3316	489363.09	3847877.25	0.79992	0.53431	0.4162	0.83139	1.43896	0.37383	0.53838	0.53431	8.20E+00	2.40E-01	1.06E-05	4.30E-02	6.63E-01	5.17E-02	9.30E-01	8.85E-01	9.24E+00
3317	489863.09	3847877.25	1.12339	0.53678	0.42197	0.73952	2.73539	0.32192	0.54086	0.53678	1.15E+01	2.42E-01	1.07E-05	3.83E-02	1.26E+00	4.45E-02	9.34E-01	8.89E-01	1.31E+01
3318	490363.09	3847877.25	0.66524	0.53891	0.45503	0.59382	2.1002	0.34482	0.54299	0.53891	6.82E+00	2.43E-01	1.15E-05	3.07E-02	9.68E-01	4.77E-02	9.37E-01	8.93E-01	8.15E+00
3319	490863.09	3847877.25	0.55092	0.54067	0.49499	0.50922	2.1079	0.35418	0.54474	0.54067	5.65E+00	2.43E-01	1.26E-05	2.64E-02	9.71E-01	4.90E-02	9.40E-01	8.96E-01	6.98E+00
3320	491363.09	3847877.25	0.52396	0.54205	0.40941	0.43839	1.43179	0.33292	0.54612	0.54205	5.37E+00	2.44E-01	1.04E-05	2.27E-02	6.60E-01	4.60E-02	9.43E-01	8.98E-01	6.39E+00
3321	491863.09	3847877.25	0.48462	0.54305	0.26215	0.49369	1.25026	0.28174	0.54711	0.54305	4.97E+00	2.44E-01	6.65E-06	2.56E-02	5.76E-01	3.90E-02	9.45E-01	9.00E-01	5.90E+00
3322	492363.09	3847877.25	0.45929	0.54369	0.28179	0.47871	1.31557	0.26656	0.54772	0.54369	4.71E+00	2.45E-01	7.15E-06	2.48E-02	6.06E-01	3.69E-02	9.46E-01	9.01E-01	5.67E+00
3323	492863.09	3847877.25	0.44928	0.54396	0.32669	0.60275	1.70854	0.29931	0.54798	0.54396	4.61E+00	2.45E-01	8.29E-06	3.12E-02	7.87E-01	4.14E-02	9.46E-01	9.01E-01	5.76E+00
3324	493363.09	3847877.25	0.46048	0.5439	0.39642	0.63148	1.74695	0.31456	0.54788	0.5439	4.72E+00	2.45E-01	1.01E-05	3.27E-02	8.05E-01	4.35E-02	9.46E-01	9.01E-01	5.89E+00
3325	493863.09	3847877.25	0.5025	0.5435	0.26984	0.57198	1.73891	0.30951	0.54746	0.5435	5.15E+00	2.45E-01	6.85E-06	2.96E-02	8.01E-01	4.28E-02	9.45E-01	9.01E-01	6.32E+00
3326	494363.09	3847877.25	0.53735	0.54281	0.27726	0.5026	2.04656	0.3181	0.54674	0.54281	5.51E+00	2.44E-01	7.03E-06	2.60E-02	9.43E-01	4.40E-02	9.44E-01	8.99E-01	6.81E+00
3327	494863.09	3847877.25	0.56547	0.54183	0.3557	0.34636	1.96923	0.33162	0.54572	0.54183	5.80E+00	2.44E-01	9.02E-06	1.79E-02	9.08E-01	4.58E-02	9.42E-01	8.98E-01	7.06E+00
3328	495363.09	3847877.25	0.5823	0.54058	0.43084	0.35158	1.77312	0.32992	0.54445	0.54058	5.97E+00	2.43E-01	1.09E-05	1.82E-02	8.17E-01	4.56E-02	9.40E-01	8.96E-01	7.14E+00
3329	495863.09	3847877.25	0.57902	0.5391	0.27676	0.46971	1.09196	0.31442	0.54292	0.5391	5.94E+00	2.43E-01	7.02E-06	2.43E-02	5.03E-01	4.35E-02	9.37E-01	8.93E-01	6.80E+00
3330	496363.09	3847877.25	0.55085	0.53739	0.32217	0.57156	1.08984	0.38572	0.54118	0.53739	5.65E+00	2.42E-01	8.17E-06	2.96E-02	5.02E-01	5.33E-02	9.34E-01	8.90E-01	6.52E+00
3331	496863.09	3847877.25	0.50469	0.53548	0.43938	0.62301	1.14071	0.42966	0.53923	0.53548	5.18E+00	2.41E-01	1.11E-05	3.23E-02	5.26E-01	5.94E-02	9.31E-01	8.87E-01	6.08E+00
3332	497363.09	3847877.25	0.51133	0.53338	0.54942	0.54652	1.26184	0.44628	0.53709	0.53338	5.24E+00	2.40E-01	1.39E-05	2.83E-02	5.82E-01	6.17E-02	9.27E-01	8.84E-01	6.20E+00
3333	497863.09	3847877.25	0.60172	0.53112	0.7029	0.56863	1.3112	0.44738	0.53479	0.53112	6.17E+00	2.39E-01	1.78E-05	2.94E-02	6.04E-01	6.19E-02	9.23E-01	8.80E-01	7.15E+00
3334	498363.09	3847877.25	0.69427	0.52871	0.7701	0.59605	1.5336	0.44116	0.53234	0.52871	7.12E+00	2.38E-01	1.95E-05	3.09E-02	7.07E-01	6.10E-02	9.19E-01	8.76E-01	8.20E+00
3335	471363.09	3848377.25	2.44959	2.92554	2.37067	1.41782	3.91355	1.33789	2.93887	2.92554	2.51E+01	1.32E+00	6.01E-05	7.34E-02	1.80E+00	1.85E-01	5.07E+00	4.85E+00	2.87E+01
3336	471863.09	3848377.25	2.89028	3.47932	2.69882	1.51371	4.40493	1.7314	3.49414	3.47932	2.96E+01	1.57E+00	6.85E-05	7.84E-02	2.03E+00	2.39E-01	6.03E+00	5.77E+00	3.38E+01
3337	472363.09	3848377.25	3.17122	4.20137	4.38104	1.64404	3.65449	1.75895	4.22385	4.20137	3.25E+01	1.89E+00	1.11E-04	8.51E-02	1.68E+00	2.43E-01	7.29E+00	6.96E+00	3.68E+01
3338	472863.09	3848377.25	3.22396	4.21526	5.30231	1.86919	2.23471	1.90097	4.24501	4.21526	3.31E+01	1.90E+00	1.35E-04	9.68E-02	1.03E+00	2.63E-01	7.33E+00	6.98E+00	3.67E+01
3339	473363.09	3848377.25	3.02633	3.96949	4.34992	2.69126	4.34517	2.08778	3.99258	3.96949	3.10E+01	1.79E+00	1.10E-04	1.39E-01	2.00E+00	2.89E-01	6.89E+00	6.58E+00	3.56E+01
3340	473863.09	3848377.25	2.63962	6.68203	2.31271	3.01855	6.41945	2.1203	6.73927	6.68203	2.71E+01	3.01E+00	5.87E-05	1.56E-01	2.96E+00	2.93E-01	1.16E+01	1.11E+01	3.40E+01
3341	474363.09	3848377.25	3.5026	11.46563	0.59375	3.12515	6.84959	2.01748	12.7562	11.46563	3.59E+01	5.16E+00	1.51E-05	1.62E-01	3.16E+00	2.79E-01	2.20E+01	1.90E+01	4.77E+01
3342	474863.09	3848377.25	2.46233	8.93156	1.33177	2.14435	3.82693	1.32336	9.06317	8.93156	2.52E+01	4.02E+00	3.38E-05	1.11E-01	1.76E+00	1.83E-01	1.56E+01	1.48E+01	3.22E+01
3343	475363.09	3848377.25	2.74904	5.00838	3.23503	0.94079	1.67701	1.39458	5.26983	5.00838	2.82E+01	2.25E+00	8.21E-05	4.87E-02	7.73E-01	1.93E-01	9.10E+00	8.30E+00	3.23E+01
3344	475863.09	3848377.25	2.80147	3.30804	2.29757	1.41247	2.331	1.36929	3.34408	3.30804	2.87E+01	1.49E+00	5.83E-05	7.31E-02	1.07E+00	1.89E-01	5.77E+00	5.48E+00	3.18E+01
3345	476363.09	3848377.25	2.4772	2.4243	1.70428	1.81516	2.88437	1.2515	2.45431	2.4243	2.54E+01	1.09E+00	4.32E-05	9.40E-02	1.33E+00	1.73E-01	4.24E+00	4.02E+00	2.83E+01
3346	476863.09	3848377.25	2.50466	2.07345	1.20568	3.4858	4.39125	1.71814	3.25598	2.07345	2.57E+01	9.33E-01	3.06E-05	1.80E-01	2.02E+00	2.38E-01	5.62E+00	3.44E+00	3.12E+01
3347	477363.09	3848377.25	3.98501	1.92741	0.75423	2.15043	5.07291	1.96826	2.30607	1.92741	4.09E+01	8.67E-01	1.91E-05	1.11E-01	2.34E+00	2.72E-01	3.98E+00	3.19E+00	4.52E+01
3348	477863.09	3848377.25	5.11586	2.41554	0.52637	1.57699	3.47376	1.89042	1.79403	2.41554	5.25E+01	1.09E+00	1.34E-05	8.16E-02	1.60E+00	2.61E-01	3.10E+00	4.00E+00	5.46E+01
3349	478363.09	3848377.25	5.46112	2.40035	0.6646	1.28919	2.51465	1.72547	2.68939	2.40035	5.60E+01	1.08E+00	1.69E-05	6.67E-02	1.16E+00	2.39E-01	4.64E+00	3.98E+00	5.92E+01
3350	478863.09	3848377.25	3.92564	1.45621	0.47242	1.79932	1.03003	1.54032	1.56446	1.45621	4.03E+01	6.55E-01	1.20E-05	9.31E-02	4.75E-01	2.13E-01	2.70E+00	2.41E+00	4.20E+01
3351	479363.09	3848377.25	2.64248	1.02549	0.47634	1.90893	1.64919	1.05704	1.10797	1.02549	2.71E+01	4.62E-01	1.21E-05	9.88E-02	7.60E-01	1.46E-01	1.91E+00	1.70E+00	2.88E+01
3352	479863.09	3848377.25	0.9361	0.53336	0.61312	0.39983	0.92984	0.37861	0.53701	0.53336	9.60E+00	2.40E-01	1.56E-05	2.07E-02	4.29E-01	5.23E-02	9.27E-01	8.84E-01	1.04E+01
3353	480363.09	3848377.25	1.22504	0.69138	0.64113	0.41682	2.25864	0.46286	0.6967	0.69138	1.26E+01	3.11E-01	1.63E-05	2.16E-02	1.04E+00	6.40E-02	1.20E+00	1.15E+00	1.41E+01
3354	480863.09	3848377.25	2.43115	1.01594	0.87573	0.49764	1.45642	0.5101	1.02332	1.01594	2.49E+01	4.57E-01	2.22E-05	2.58E-02	6.71E-01	7.05E-02	1.77E+00	1.68E+00	2.62E+01
3355	481363.09	3848377.25	2.52809	1.01985	0.98708	0.47433	0.83153	0.6292	1.02731	1.01985	2.59E+01	4.59E-01	2.50E-05	2.46E-02	3.83E-01	8.70E-02	1.77E+00	1.69E+00	2.70E+01
3356	481863.09	3848377.25	2.37183	1.04408	0.85227	0.739	0.99578	0.73197	1.05182	1.04408	2.43E+01	4.70E-01	2.16E-05	3.83E-02	4.59E-01	1.01E-01	1.82E+00	1.73E+00	2.55E+01
3357	482363.09	3848377.25	2.38622	1.03456	0.64425	0.80551	2.4329	0.86745	1.04227	1.03456	2.45E+01	4.66E-01	1.63E-05	4.17E-02	1.12E+00	1.20E-01	1.80E+00	1.71E+00	2.63E+01
3358	482863.09	3848377.25	2.58435	0.60593	0.71671	0.77245	1.71499	0.9749	0.61057	0.60593	2.65E+01	2.73E-01	1.82E-05	4.00E-02	7.90E-01	1.35E-01	1.05E+00	1.00E+00	2.78E+01
3359	483363.09	3848377.25	2.75922	0.61498	0.74132	0.80364	1.8273	0.95319	0.61966	0.61498	2.83E+01	2.77E-01	1.88E-05	4.16E-02	8.42E-01	1.32E-01	1.07E+00	1.02E+00	2.96E+01

3360	483863.09	3848377.25	2.68797	0.62223	0.73031	0.72385	1.73547	0.90052	0.62701	0.62223	2.76E+01	2.80E-01	1.85E-05	3.75E-02	8.00E-01	1.24E-01	1.08E+00	1.03E+00	2.89E+01
3361	484363.09	3848377.25	2.28322	0.63059	0.6661	0.80931	3.55384	0.75526	0.63547	0.63059	2.34E+01	2.84E-01	1.69E-05	4.19E-02	1.64E+00	1.04E-01	1.10E+00	1.04E+00	2.55E+01
3362	484863.09	3848377.25	1.62063	0.63878	0.79208	0.87878	3.99644	0.57694	0.64376	0.63878	1.66E+01	2.87E-01	2.01E-05	4.55E-02	1.84E+00	7.98E-02	1.11E+00	1.06E+00	1.89E+01
3363	485363.09	3848377.25	1.02314	0.64312	0.69125	0.82208	3.38345	0.51386	0.64816	0.64312	1.05E+01	2.89E-01	1.75E-05	4.26E-02	1.56E+00	7.10E-02	1.12E+00	1.07E+00	1.25E+01
3364	485863.09	3848377.25	0.93399	0.64637	0.59654	0.65409	2.8694	0.43856	0.65145	0.64637	9.58E+00	2.91E-01	1.51E-05	3.39E-02	1.32E+00	6.06E-02	1.12E+00	1.07E+00	1.13E+01
3365	486363.09	3848377.25	0.84942	0.64833	0.68419	0.71324	1.20286	0.5187	0.65339	0.64833	8.71E+00	2.92E-01	1.74E-05	3.69E-02	5.54E-01	7.17E-02	1.13E+00	1.07E+00	9.72E+00
3366	486863.09	3848377.25	0.92474	0.64957	0.62273	0.5264	1.5107	0.57796	0.65463	0.64957	9.48E+00	2.92E-01	1.58E-05	2.72E-02	6.96E-01	7.99E-02	1.13E+00	1.08E+00	1.06E+01
3367	487363.09	3848377.25	0.83271	0.64979	0.47781	0.46393	2.50552	0.59235	0.65483	0.64979	8.54E+00	2.92E-01	1.21E-05	2.40E-02	1.15E+00	8.19E-02	1.13E+00	1.08E+00	1.01E+01
3368	487863.09	3848377.25	0.7848	0.64913	0.50856	0.40767	2.79598	0.54882	0.65414	0.64913	8.05E+00	2.92E-01	1.29E-05	2.11E-02	1.29E+00	7.59E-02	1.13E+00	1.08E+00	9.78E+00
3369	488363.09	3848377.25	0.9264	0.64771	0.59664	0.57529	3.87184	0.60952	0.65267	0.64771	9.50E+00	2.91E-01	1.51E-05	2.98E-02	1.78E+00	8.43E-02	1.13E+00	1.07E+00	1.17E+01
3370	488863.09	3848377.25	1.04227	0.64563	0.42828	0.77433	1.9881	0.51967	0.65054	0.64563	1.07E+01	2.91E-01	1.09E-05	4.01E-02	9.16E-01	7.18E-02	1.12E+00	1.07E+00	1.21E+01
3371	489363.09	3848377.25	1.12025	0.643	0.40688	0.85133	2.49935	0.35959	0.64785	0.643	1.15E+01	2.89E-01	1.03E-05	4.41E-02	1.15E+00	4.97E-02	1.12E+00	1.07E+00	1.31E+01
3372	489863.09	3848377.25	1.14928	0.63992	0.44039	0.80853	2.64745	0.333	0.64469	0.63992	1.18E+01	2.88E-01	1.12E-05	4.19E-02	1.22E+00	4.60E-02	1.11E+00	1.06E+00	1.34E+01
3373	490363.09	3848377.25	1.12385	0.63644	0.47855	0.62689	2.31327	0.35197	0.64115	0.63644	1.15E+01	2.86E-01	1.21E-05	3.25E-02	1.07E+00	4.87E-02	1.11E+00	1.05E+00	1.30E+01
3374	490863.09	3848377.25	1.05969	0.63265	0.47872	0.54919	1.94362	0.35453	0.63728	0.63265	1.09E+01	2.85E-01	1.21E-05	2.84E-02	8.96E-01	4.90E-02	1.10E+00	1.05E+00	1.22E+01
3375	491363.09	3848377.25	0.61171	0.6286	0.34329	0.48822	2.09287	0.32311	0.63315	0.6286	6.27E+00	2.83E-01	8.71E-06	2.53E-02	9.64E-01	4.47E-02	1.09E+00	1.04E+00	7.64E+00
3376	491863.09	3848377.25	0.64521	0.62433	0.28339	0.50612	1.59324	0.2677	0.6288	0.62433	6.62E+00	2.81E-01	7.19E-06	2.62E-02	7.34E-01	3.70E-02	1.09E+00	1.03E+00	7.75E+00
3377	492363.09	3848377.25	0.44741	0.61989	0.30855	0.48429	1.58873	0.2902	0.62429	0.61989	4.59E+00	2.79E-01	7.83E-06	2.51E-02	7.32E-01	4.01E-02	1.08E+00	1.03E+00	5.71E+00
3378	492863.09	3848377.25	0.47594	0.61532	0.37984	0.63875	1.86668	0.31379	0.61964	0.61532	4.88E+00	2.77E-01	9.64E-06	3.31E-02	8.60E-01	4.34E-02	1.07E+00	1.02E+00	6.14E+00
3379	493363.09	3848377.25	0.51512	0.61065	0.38557	0.61981	1.62579	0.31727	0.6149	0.61065	5.28E+00	2.75E-01	9.78E-06	3.21E-02	7.49E-01	4.39E-02	1.06E+00	1.01E+00	6.43E+00
3380	493863.09	3848377.25	0.54793	0.6059	0.27777	0.55745	2.06224	0.31643	0.61007	0.6059	5.62E+00	2.73E-01	7.05E-06	2.89E-02	9.50E-01	4.37E-02	1.05E+00	1.00E+00	6.96E+00
3381	494363.09	3848377.25	0.57371	0.60109	0.31424	0.46937	2.09584	0.33417	0.60519	0.60109	5.88E+00	2.71E-01	7.97E-06	2.43E-02	9.66E-01	4.62E-02	1.04E+00	9.96E-01	7.24E+00
3382	494863.09	3848377.25	0.58589	0.59625	0.4527	0.34773	1.91376	0.33701	0.60028	0.59625	6.01E+00	2.68E-01	1.15E-05	1.80E-02	8.82E-01	4.66E-02	1.04E+00	9.88E-01	7.27E+00
3383	495363.09	3848377.25	0.57481	0.59139	0.32501	0.42518	1.20587	0.40528	0.59535	0.59139	5.89E+00	2.66E-01	8.24E-06	2.20E-02	5.56E-01	5.60E-02	1.03E+00	9.80E-01	6.84E+00
3384	495863.09	3848377.25	0.53846	0.58652	0.43139	0.5349	1.13382	0.44307	0.59041	0.58652	5.52E+00	2.64E-01	1.09E-05	2.77E-02	5.23E-01	6.13E-02	1.02E+00	9.72E-01	6.44E+00
3385	496363.09	3848377.25	0.5233	0.58165	0.5616	0.62212	1.17821	0.45487	0.58548	0.58165	5.37E+00	2.62E-01	1.42E-05	3.22E-02	5.43E-01	6.29E-02	1.01E+00	9.64E-01	6.31E+00
3386	496863.09	3848377.25	0.61448	0.57679	0.70383	0.60764	1.30432	0.45248	0.58057	0.57679	6.30E+00	2.60E-01	1.79E-05	3.15E-02	6.01E-01	6.26E-02	1.00E+00	9.56E-01	7.30E+00
3387	497363.09	3848377.25	0.70826	0.57196	0.77053	0.55941	1.20076	0.44453	0.57567	0.57196	7.26E+00	2.57E-01	1.95E-05	2.90E-02	5.53E-01	6.15E-02	9.94E-01	9.48E-01	8.21E+00
3388	497863.09	3848377.25	0.79788	0.56715	0.76288	0.61068	1.58923	0.437	0.57081	0.56715	8.18E+00	2.55E-01	1.94E-05	3.16E-02	7.32E-01	6.04E-02	9.86E-01	9.40E-01	9.31E+00
3389	498363.09	3848377.25	0.87579	0.56237	0.67308	0.66127	1.46018	0.42991	0.56598	0.56237	8.98E+00	2.53E-01	1.71E-05	3.42E-02	6.73E-01	5.94E-02	9.77E-01	9.32E-01	1.00E+01
3390	471363.09	3848877.25	2.02793	2.28401	2.84971	1.36226	1.50554	1.37011	2.29893	2.28401	2.08E+01	1.03E+00	7.23E-05	7.05E-02	6.94E-01	1.89E-01	3.97E+00	3.78E+00	2.30E+01
3391	471863.09	3848877.25	2.26379	2.4612	2.93983	1.4719	2.99494	1.42451	2.47742	2.4612	2.32E+01	1.11E+00	7.46E-05	7.62E-02	1.38E+00	1.97E-01	4.28E+00	4.08E+00	2.62E+01
3392	472363.09	3848877.25	2.79398	2.85209	2.43823	1.49306	4.30724	1.68057	2.86904	2.85209	2.86E+01	1.28E+00	6.19E-05	7.73E-02	1.98E+00	2.32E-01	4.95E+00	4.73E+00	3.25E+01
3393	472863.09	3848877.25	3.2029	3.41014	3.74164	1.60848	4.58364	1.8867	3.43365	3.41014	3.28E+01	1.53E+00	9.49E-05	8.33E-02	2.11E+00	2.61E-01	5.93E+00	5.65E+00	3.71E+01
3394	473363.09	3848877.25	3.39717	4.22466	5.52071	1.7061	3.54549	1.93304	4.25482	4.22466	3.48E+01	1.90E+00	1.40E-04	8.83E-02	1.63E+00	2.67E-01	7.35E+00	7.00E+00	3.91E+01
3395	473863.09	3848877.25	3.33969	5.49107	5.5862	2.42487	3.16647	2.11961	5.53457	5.49107	3.42E+01	2.47E+00	1.42E-04	1.26E-01	1.46E+00	2.93E-01	9.56E+00	9.10E+00	3.91E+01
3396	474363.09	3848877.25	3.00037	7.29857	3.78635	3.00493	5.60618	2.2175	7.35416	7.29857	3.08E+01	3.28E+00	9.61E-05	1.56E-01	2.58E+00	3.07E-01	1.27E+01	1.21E+01	3.77E+01
3397	474863.09	3848877.25	2.66567	13.24929	1.09809	3.36644	7.64515	2.26535	13.3751	13.24929	2.73E+01	5.96E+00	2.79E-05	1.74E-01	3.52E+00	3.13E-01	2.31E+01	2.20E+01	3.84E+01
3398	475363.09	3848877.25	2.61799	10.6795	1.29582	3.25791	6.26029	1.91602	10.7524	10.6795	2.68E+01	4.81E+00	3.29E-05	1.69E-01	2.88E+00	2.65E-01	1.86E+01	1.77E+01	3.58E+01
3399	475863.09	3848877.25	2.90134	8.86466	3.5076	1.60698	3.04219	1.44569	8.98676	8.86466	2.98E+01	3.99E+00	8.90E-05	8.32E-02	1.40E+00	2.00E-01	1.55E+01	1.47E+01	3.63E+01
3400	476363.09	3848877.25	3.05139	4.99378	3.113	1.33725	2.21393	1.41318	5.09932	4.99378	3.13E+01	2.25E+00	7.90E-05	6.92E-02	1.02E+00	1.95E-01	8.80E+00	8.27E+00	3.54E+01
3401	476863.09	3848877.25	2.81421	2.5895	2.12619	1.76536	2.86892	1.31747	2.91916	2.5895	2.89E+01	1.17E+00	5.39E-05	9.14E-02	1.32E+00	1.82E-01	5.04E+00	4.29E+00	3.24E+01
3402	477363.09	3848877.25	2.91181	3.06079	1.41231	3.67912	4.12366	1.89348	3.82398	3.06079	2.99E+01	1.38E+00	3.58E-05	1.90E-01	1.90E+00	2.62E-01	6.60E+00	5.07E+00	3.51E+01
3403	477863.09	3848877.25	4.46153	3.02889	0.83773	2.22503	5.62609	2.43908	3.055	3.02889	4.57E+01	1.36E+00	2.13E-05	1.15E-01	2.59E+00	3.37E-01	5.27E+00	5.02E+00	5.04E+01
3404	478363.09	3848877.25	5.3324	2.83448	0.59555	1.82279	3.63499	2.07814	2.73882	2.83448	5.47E+01	1.28E+00	1.51E-05	9.44E-02	1.68E+00	2.87E-01	4.73E+00	4.70E+00	5.80E+01
3405	478863.09	3848877.25	5.68626	2.51541	0.69626	1.56612	2.87044	1.83323	2.97209	2.51541	5.83E+01	1.13E+00	1.77E-05	8.11E-02	1.32E+00	2.53E-01	5.13E+00	4.17E+00	6.21E+01
3406	479363.09	3848877.25	3.79502	1.75634	0.48162	1.93499	1.0721	1.54184	1.78044	1.75634	3.89E+01	7.90E-01	1.22E-05	1.00E-01	4.94E-01	2.13E-01	3.07E+00	2.91E+00	4.07E+01
3407	479863.09	3848877.25	3.25159	1.74644	0.56818	2.03661	2.19832	1.10126	1.765	1.74644	3.33E+01	7.86E-01	1.44E-05	1.05E-01	1.01E+00	1.52E-01	3.05E+00	2.89E+00	3.56E+01
3408	480363.09	3848877.25	3.31739	1.74761	0.66329	1.59707	7.04412	0.78775	1.76656	1.74761	3.40E+01	7.87E-01	1.68E-05	8.27E-02	3.25E+00	1.09E-01	3.05E+00	2.90E+00	3.84E+01
3409	480863.09	3848877.25	3.695	1.73512	1.3855	1.06284	6.8374	0.80682	1.7549	1.73512	3.79E+01	7.81E-01	3.51E-05	5.50E-02	3.15E+00	1.12E-01	3.03E+00	2.87E+00	4.21E+01
3410	481363.09	3848877.25	3.87025	1.7057	2.0166	1.05383	1.57092	0.8402	1.72222	1.7057	3.97E+01	7.68E-01	5.12E-05	5.46E-02	7.24E-01	1.16E-01	2.97E+00	2.83E+00	4.15E+01
3411	481863.09	3848877.25	2.76266	1.46581	1.10588	0.76701	0.92899	0.74944	1.47831	1.46581	2.83E+01	6.60E-01	2.81E-05	3.97E-02	4.28E-01	1.04E-01	2.55E+00	2.43E+00	2.97E+01
3412	482363.09	3848877.25	2.32792	0.86238	0.72839	0.7712	1.217	0.79529	0.86882	0.86238	2.39E+01	3.88E-01	1.85E-05	3.99E-02	5.61E-01	1.10E-01	1.50E+00	1.43E+00	2.50E+01
3413	482863.09	3848877.25	2.48948	0.83349	0.88351	0.70064	1.64441	0.81905	0.83971	0.83349	2.55E+01	3.75E-01	2.24E-05	3.63E-02	7.58E-01	1.13E-01	1.45E+00	1.38E+00	2.69E+01
3414	483363.09	3848877.25	2.71282	0.81902	0.76662	0.5649	1.81409	0.92032	0.8251	0.81902	2.78E+01	3.69E-01	1.94E-05	2.92E-02	8.36E-01	1.27E-01	1.42E+00	1.36E+00	2.92E+01
3415	483863.09	3848877.25	2.03594	0.80504	0.73513	0.53631	1.59789	0.93728	0.811	0.80504	2.09E+01	3.62E-01	1.86E-05	2.78E-02	7.36E-01	1.30E-01	1.40E+00	1.33E+00	2.22E+01
3416	484363.09	3848877.25	2.48369	0.7924	0.75305	0.83495	3.00249	0.82786	0.79824	0.7924	2.55E+01	3.57E-01	1.91E-05	4.32E-02	1.38E+00	1.14E-01	1.38E+00	1.31E+00	2.74E+01
3417	484863.09	3848877.25	1.88218	0.8161	1.0771	0.97622	6.83927	0.70571	0.82209	0.8161	1.93E+01	3.67E-01	2.73E-05	5.05E-02	3.15E+00	9.76E-02	1.42E+00	1.35E+00	2.30E+01
3418	485363.09	3848877.25	1.18356	0.77027	1.07235	0.87809	4.59096	0.655	0.77595	0.77027	1.21E+01	3.47E-01	2.72E-05	4.55E-02	2.12E+00	9.06E-02	1.34E+00	1.28E+00	1.48E+01

3419	485863.09	3848877.25	1.17017	0.75715	0.64103	0.72273	3.54763	0.44187	0.76268	0.75715	1.20E+01	3.41E-01	1.63E-05	3.74E-02	1.63E+00	6.11E-02	1.32E+00	1.25E+00	1.41E+01
3420	486363.09	3848877.25	0.85946	0.74307	0.81409	0.79504	1.51348	0.52544	0.74845	0.74307	8.81E+00	3.34E-01	2.07E-05	4.12E-02	6.97E-01	7.26E-02	1.29E+00	1.23E+00	1.00E+01
3421	486863.09	3848877.25	0.93519	0.73159	1.00234	0.54917	1.49643	0.58694	0.73683	0.73159	9.59E+00	3.29E-01	2.54E-05	2.84E-02	6.90E-01	8.11E-02	1.27E+00	1.21E+00	1.08E+01
3422	487363.09	3848877.25	1.11211	0.72116	0.61457	0.49195	2.57902	0.60289	0.72629	0.72116	1.14E+01	3.25E-01	1.56E-05	2.55E-02	1.19E+00	8.34E-02	1.25E+00	1.19E+00	1.31E+01
3423	487863.09	3848877.25	0.8967	0.7112	0.59937	0.42138	2.89891	0.55899	0.7162	0.7112	9.19E+00	3.20E-01	1.52E-05	2.18E-02	1.34E+00	7.73E-02	1.24E+00	1.18E+00	1.10E+01
3424	488363.09	3848877.25	1.02228	0.70166	0.44156	0.57783	3.97448	0.61814	0.70655	0.70166	1.05E+01	3.16E-01	1.12E-05	2.99E-02	1.83E+00	8.55E-02	1.22E+00	1.16E+00	1.28E+01
3425	488863.09	3848877.25	1.11326	0.69253	0.5787	0.79022	2.01569	0.51368	0.6973	0.69253	1.14E+01	3.12E-01	1.47E-05	4.09E-02	9.29E-01	7.10E-02	1.20E+00	1.15E+00	1.28E+01
3426	489363.09	3848877.25	1.15773	0.68376	0.71044	0.87254	2.78437	0.3433	0.68842	0.68376	1.19E+01	3.08E-01	1.80E-05	4.52E-02	1.28E+00	4.75E-02	1.19E+00	1.13E+00	1.36E+01
3427	489863.09	3848877.25	1.14612	0.67533	0.52687	0.81378	2.44486	0.3426	0.67988	0.67533	1.18E+01	3.04E-01	1.34E-05	4.21E-02	1.13E+00	4.74E-02	1.17E+00	1.12E+00	1.33E+01
3428	490363.09	3848877.25	1.08597	0.66722	0.53917	0.64827	2.40701	0.35873	0.67167	0.66722	1.11E+01	3.00E-01	1.37E-05	3.36E-02	1.11E+00	4.96E-02	1.16E+00	1.11E+00	1.27E+01
3429	490863.09	3848877.25	1.00517	0.65941	0.3683	0.61605	2.01899	0.3513	0.66375	0.65941	1.03E+01	2.97E-01	9.34E-06	3.19E-02	9.30E-01	4.86E-02	1.15E+00	1.09E+00	1.17E+01
3430	491363.09	3848877.25	0.65155	0.65186	0.31581	0.47205	2.04275	0.31054	0.65611	0.65186	6.68E+00	2.93E-01	8.01E-06	2.44E-02	9.41E-01	4.29E-02	1.13E+00	1.08E+00	8.04E+00
3431	491863.09	3848877.25	0.53096	0.64457	0.31989	0.51887	1.40149	0.27789	0.64872	0.64457	5.44E+00	2.90E-01	8.11E-06	2.69E-02	6.46E-01	3.84E-02	1.12E+00	1.07E+00	6.50E+00
3432	492363.09	3848877.25	0.49021	0.63751	0.36164	0.55719	1.86088	0.30915	0.64158	0.63751	5.03E+00	2.87E-01	9.17E-06	2.88E-02	8.58E-01	4.27E-02	1.11E+00	1.06E+00	6.29E+00
3433	492863.09	3848877.25	0.52694	0.63066	0.42202	0.65585	1.79165	0.3219	0.63465	0.63066	5.40E+00	2.84E-01	1.07E-05	3.40E-02	8.26E-01	4.45E-02	1.10E+00	1.04E+00	6.64E+00
3434	493363.09	3848877.25	0.55791	0.62401	0.35058	0.60166	2.03568	0.31302	0.62793	0.62401	5.72E+00	2.81E-01	8.89E-06	3.11E-02	9.38E-01	4.33E-02	1.08E+00	1.03E+00	7.06E+00
3435	493863.09	3848877.25	0.58103	0.61755	0.30884	0.5443	2.20649	0.35275	0.6214	0.61755	5.96E+00	2.78E-01	7.83E-06	2.82E-02	1.02E+00	4.88E-02	1.07E+00	1.02E+00	7.38E+00
3436	494363.09	3848877.25	0.58748	0.61126	0.46004	0.42115	2.02183	0.42448	0.61505	0.61126	6.02E+00	2.75E-01	1.17E-05	2.18E-02	9.32E-01	5.87E-02	1.06E+00	1.01E+00	7.36E+00
3437	494863.09	3848877.25	0.56764	0.60514	0.42373	0.37591	1.40337	0.4553	0.60887	0.60514	5.82E+00	2.72E-01	1.07E-05	1.95E-02	6.47E-01	6.29E-02	1.05E+00	1.00E+00	6.87E+00
3438	495363.09	3848877.25	0.53519	0.59915	0.59526	0.49419	1.17935	0.46268	0.60283	0.59915	5.49E+00	2.70E-01	1.51E-05	2.56E-02	5.43E-01	6.40E-02	1.04E+00	9.93E-01	6.44E+00
3439	495863.09	3848877.25	0.62737	0.59331	0.73894	0.59689	1.21903	0.4575	0.59695	0.59331	6.43E+00	2.67E-01	1.87E-05	3.09E-02	5.62E-01	6.33E-02	1.03E+00	9.83E-01	7.40E+00
3440	496363.09	3848877.25	0.72255	0.58759	0.78138	0.64523	1.34978	0.44816	0.59119	0.58759	7.41E+00	2.64E-01	1.98E-05	3.34E-02	6.22E-01	6.20E-02	1.02E+00	9.74E-01	8.44E+00
3441	496863.09	3848877.25	0.81267	0.58199	0.7261	0.54306	1.22815	0.43995	0.58555	0.58199	8.33E+00	2.62E-01	1.84E-05	2.81E-02	5.66E-01	6.08E-02	1.01E+00	9.64E-01	9.30E+00
3442	497363.09	3848877.25	0.88926	0.5765	0.64402	0.61858	0.93491	0.43311	0.58002	0.5765	9.12E+00	2.59E-01	1.63E-05	3.20E-02	4.31E-01	5.99E-02	1.00E+00	9.55E-01	9.95E+00
3443	497863.09	3848877.25	0.94903	0.5711	0.57358	0.63628	1.80717	0.42679	0.5746	0.5711	9.73E+00	2.57E-01	1.46E-05	3.29E-02	8.33E-01	5.90E-02	9.92E-01	9.46E-01	1.10E+01
3444	498363.09	3848877.25	0.99511	0.56579	0.577	0.66919	2.84918	0.42139	0.56927	0.56579	1.02E+01	2.55E-01	1.46E-05	3.46E-02	1.31E+00	5.83E-02	9.83E-01	9.37E-01	1.19E+01
3445	471363.09	3849377.25	1.93339	1.47079	1.844	1.16684	1.57929	1.20133	1.47867	1.47079	1.98E+01	6.62E-01	4.68E-05	6.04E-02	7.28E-01	1.66E-01	2.55E+00	2.44E+00	2.16E+01
3446	471863.09	3849377.25	2.09698	1.63267	2.72341	1.18727	0.99615	1.39791	1.64175	1.63267	2.15E+01	7.35E-01	6.91E-05	6.15E-02	4.59E-01	1.93E-01	2.83E+00	2.71E+00	2.31E+01
3447	472363.09	3849377.25	2.14236	1.76566	3.18458	1.49292	1.87504	1.49019	1.77695	1.76566	2.20E+01	7.95E-01	8.08E-05	7.73E-02	8.64E-01	2.06E-01	3.07E+00	2.93E+00	2.41E+01
3448	472863.09	3849377.25	2.62982	2.00184	3.15564	1.55214	3.44626	1.50997	2.02961	2.00184	2.70E+01	9.01E-01	8.01E-05	8.03E-02	1.59E+00	2.09E-01	3.50E+00	3.32E+00	2.99E+01
3449	473363.09	3849377.25	3.15788	2.29807	2.86881	1.57	4.69382	1.98002	2.32161	2.29807	3.24E+01	1.03E+00	7.28E-05	8.13E-02	2.16E+00	2.74E-01	4.01E+00	3.81E+00	3.61E+01
3450	473863.09	3849377.25	3.50489	2.96625	5.04449	1.6918	4.67205	2.01212	2.99467	2.96625	3.59E+01	1.33E+00	1.28E-04	8.76E-02	2.15E+00	2.78E-01	5.17E+00	4.91E+00	4.00E+01
3451	474363.09	3849377.25	3.59771	3.80847	6.37044	1.98894	3.42515	2.11947	3.84229	3.80847	3.69E+01	1.71E+00	1.62E-04	1.03E-01	1.58E+00	2.93E-01	6.63E+00	6.31E+00	4.09E+01
3452	474863.09	3849377.25	3.39846	4.65153	5.33475	2.90008	4.51336	2.31269	4.68984	4.65153	3.48E+01	2.09E+00	1.35E-04	1.50E-01	2.08E+00	3.20E-01	8.10E+00	7.71E+00	3.99E+01
3453	475363.09	3849377.25	2.92761	5.69898	2.64505	3.25423	6.89408	2.32344	5.75333	5.69898	3.00E+01	2.56E+00	6.71E-05	1.68E-01	3.18E+00	3.21E-01	9.93E+00	9.44E+00	3.67E+01
3454	475863.09	3849377.25	2.29822	10.40492	1.3668	3.22637	7.22	2.16167	10.4733	10.40492	2.36E+01	4.68E+00	3.47E-05	1.67E-01	3.33E+00	2.99E-01	1.81E+01	1.72E+01	3.29E+01
3455	476363.09	3849377.25	2.52046	12.40276	3.85563	2.52443	5.24347	1.88349	12.5194	12.40276	2.58E+01	5.58E+00	9.78E-05	1.31E-01	2.42E+00	2.60E-01	2.16E+01	2.06E+01	3.53E+01
3456	476863.09	3849377.25	3.35592	17.79433	4.32699	1.23658	2.15513	1.45362	18.0226	17.79433	3.44E+01	8.01E+00	1.10E-04	6.40E-02	9.93E-01	2.01E-01	3.11E+01	2.95E+01	4.53E+01
3457	477363.09	3849377.25	3.07298	8.97432	2.72545	1.76347	2.82414	1.38095	9.08124	8.97432	3.15E+01	4.04E+00	6.91E-05	9.13E-02	1.30E+00	1.91E-01	1.57E+01	1.49E+01	3.79E+01
3458	477863.09	3849377.25	3.33409	5.99562	1.50239	3.89303	3.70925	2.10458	6.05437	5.99562	3.42E+01	2.70E+00	3.81E-05	2.02E-01	1.71E+00	2.91E-01	1.05E+01	9.93E+00	3.96E+01
3459	478363.09	3849377.25	5.04775	4.38085	0.92037	2.77678	6.00903	2.86325	4.42442	4.38085	5.18E+01	1.97E+00	2.33E-05	1.44E-01	2.77E+00	3.96E-01	7.64E+00	7.26E+00	5.74E+01
3460	478863.09	3849377.25	5.76788	3.66901	0.72687	2.06536	3.96057	1.96126	3.70523	3.66901	5.91E+01	1.65E+00	1.84E-05	1.07E-01	1.83E+00	2.71E-01	6.40E+00	6.08E+00	6.33E+01
3461	479363.09	3849377.25	5.89313	3.04135	0.69327	1.8322	3.26702	1.94855	3.15245	3.04135	6.04E+01	1.37E+00	1.76E-05	9.48E-02	1.51E+00	2.69E-01	5.44E+00	5.04E+00	6.41E+01
3462	479863.09	3849377.25	3.70348	2.08425	0.48844	2.15795	1.11889	1.61199	2.10533	2.08425	3.80E+01	9.38E-01	1.24E-05	1.12E-01	5.16E-01	2.23E-01	3.63E+00	3.45E+00	3.99E+01
3463	480363.09	3849377.25	4.98715	2.03549	0.85544	2.91551	4.36901	1.57716	2.05669	2.03549	5.11E+01	9.16E-01	2.17E-05	1.51E-01	2.01E+00	2.18E-01	3.55E+00	3.37E+00	5.46E+01
3464	480863.09	3849377.25	4.13871	1.63739	0.94075	1.94814	9.74508	1.06281	1.65473	1.63739	4.24E+01	7.37E-01	2.39E-05	1.01E-01	4.49E+00	1.47E-01	2.86E+00	2.71E+00	4.81E+01
3465	481363.09	3849377.25	4.17113	1.53879	2.0587	1.12064	6.41256	0.86206	1.55441	1.53879	4.28E+01	6.93E-01	5.22E-05	5.80E-02	2.96E+00	1.19E-01	2.68E+00	2.55E+00	4.67E+01
3466	481863.09	3849377.25	2.57173	0.82234	1.10143	0.62133	1.14437	0.6764	0.83149	0.82234	2.64E+01	3.70E-01	2.79E-05	3.22E-02	5.27E-01	9.35E-02	1.44E+00	1.36E+00	2.75E+01
3467	482363.09	3849377.25	2.30027	0.81277	0.83487	0.73075	1.03112	0.73571	0.82081	0.81277	2.36E+01	3.66E-01	2.12E-05	3.78E-02	4.75E-01	1.02E-01	1.42E+00	1.35E+00	2.46E+01
3468	482863.09	3849377.25	2.39447	0.79322	0.93564	0.58923	1.46526	0.70387	0.79959	0.79322	2.46E+01	3.57E-01	2.37E-05	3.05E-02	6.75E-01	9.73E-02	1.38E+00	1.31E+00	2.58E+01
3469	483363.09	3849377.25	1.90108	0.74413	0.79684	0.59004	1.83884	0.89352	0.74854	0.74413	1.95E+01	3.35E-01	2.02E-05	3.05E-02	8.47E-01	1.24E-01	1.29E+00	1.23E+00	2.09E+01
3470	483863.09	3849377.25	1.39854	0.73469	0.73468	0.55282	1.82712	0.96087	0.7391	0.73469	1.43E+01	3.31E-01	1.86E-05	2.86E-02	8.42E-01	1.33E-01	1.28E+00	1.22E+00	1.57E+01
3471	484363.09	3849377.25	2.65187	0.72869	0.89788	0.94298	3.07103	0.91089	0.73311	0.72869	2.72E+01	3.28E-01	2.28E-05	4.88E-02	1.42E+00	1.26E-01	1.27E+00	1.21E+00	2.92E+01
3472	484863.09	3849377.25	2.14129	0.77215	1.33216	1.1212	8.41234	0.78891	0.77692	0.77215	2.20E+01	3.48E-01	3.38E-05	5.80E-02	3.88E+00	1.09E-01	1.34E+00	1.28E+00	2.64E+01
3473	485363.09	3849377.25	1.51876	0.75607	0.82337	0.98699	7.70172	0.68344	0.76074	0.75607	1.56E+01	3.40E-01	2.09E-05	5.11E-02	3.55E+00	9.45E-02	1.31E+00	1.25E+00	1.97E+01
3474	485863.09	3849377.25	0.87916	0.70161	0.74375	0.78931	3.9725	0.44626	0.70595	0.70161	9.01E+00	3.16E-01	1.89E-05	4.09E-02	1.83E+00	6.17E-02	1.22E+00	1.16E+00	1.13E+01
3475	486363.09	3849377.25	0.85294	0.69344	0.59706	0.59689	1.30268	0.53148	0.69771	0.69344	8.75E+00	3.12E-01	1.51E-05	3.09E-02	6.00E-01	7.35E-02	1.20E+00	1.15E+00	9.82E+00
3476	486863.09	3849377.25	0.94792	0.68617	0.84739	0.7028	1.47543	0.59619	0.69041	0.68617	9.72E+00	3.09E-01	2.15E-05	3.64E-02	6.80E-01	8.24E-02	1.19E+00	1.14E+00	1.09E+01
3477	487363.09	3849377.25	1.12844	0.67927	0.87051	0.52133	2.6541	0.61356	0.68343	0.67927	1.16E+01	3.06E-01	2.21E-05	2.70E-02	1.22E+00	8.48E-02	1.18E+00	1.13E+00	1.33E+01

3478	487863.09	3849377.25	1.15054	0.67225	0.63422	0.45126	3.01063	0.56961	0.67637	0.67225	1.18E+01	3.03E-01	1.61E-05	2.34E-02	1.39E+00	7.87E-02	1.17E+00	1.11E+00	1.36E+01
3479	488363.09	3849377.25	1.23466	0.66563	0.60397	0.57969	4.05865	0.62515	0.66969	0.66563	1.27E+01	3.00E-01	1.53E-05	3.00E-02	1.87E+00	8.64E-02	1.16E+00	1.10E+00	1.50E+01
3480	488863.09	3849377.25	1.24669	0.65919	0.75969	0.80686	2.03048	0.50875	0.66319	0.65919	1.28E+01	2.97E-01	1.93E-05	4.18E-02	9.36E-01	7.03E-02	1.15E+00	1.09E+00	1.42E+01
3481	489363.09	3849377.25	1.16625	0.65293	0.68803	0.89513	3.00447	0.38579	0.65687	0.65293	1.20E+01	2.94E-01	1.75E-05	4.63E-02	1.38E+00	5.33E-02	1.13E+00	1.08E+00	1.38E+01
3482	489863.09	3849377.25	1.11431	0.64682	0.58612	0.81689	2.18464	0.39529	0.6507	0.64682	1.14E+01	2.91E-01	1.49E-05	4.23E-02	1.01E+00	5.46E-02	1.12E+00	1.07E+00	1.29E+01
3483	490363.09	3849377.25	1.0309	0.64084	0.47165	0.66926	2.34401	0.36395	0.64469	0.64084	1.06E+01	2.88E-01	1.20E-05	3.46E-02	1.08E+00	5.03E-02	1.11E+00	1.06E+00	1.21E+01
3484	490863.09	3849377.25	0.94969	0.635	0.37551	0.62129	2.23003	0.34442	0.6388	0.635	9.74E+00	2.86E-01	9.53E-06	3.22E-02	1.03E+00	4.76E-02	1.10E+00	1.05E+00	1.12E+01
3485	491363.09	3849377.25	0.89548	0.62928	0.33349	0.46265	1.81763	0.29557	0.63305	0.62928	9.18E+00	2.83E-01	8.46E-06	2.39E-02	8.38E-01	4.09E-02	1.09E+00	1.04E+00	1.04E+01
3486	491863.09	3849377.25	0.65175	0.62367	0.40555	0.53171	1.70242	0.3012	0.6274	0.62367	6.68E+00	2.81E-01	1.03E-05	2.75E-02	7.85E-01	4.16E-02	1.08E+00	1.03E+00	7.87E+00
3487	492363.09	3849377.25	0.53808	0.61815	0.39367	0.61938	1.97845	0.32304	0.62187	0.61815	5.52E+00	2.78E-01	9.99E-06	3.21E-02	9.12E-01	4.47E-02	1.07E+00	1.02E+00	6.83E+00
3488	492863.09	3849377.25	0.56731	0.61272	0.44365	0.65493	1.95798	0.37892	0.61642	0.61272	5.82E+00	2.76E-01	1.13E-05	3.39E-02	9.02E-01	5.24E-02	1.06E+00	1.02E+00	7.13E+00
3489	493363.09	3849377.25	0.5872	0.60737	0.3173	0.58262	2.29095	0.44263	0.61106	0.60737	6.02E+00	2.73E-01	8.05E-06	3.02E-02	1.06E+00	6.12E-02	1.06E+00	1.01E+00	7.49E+00
3490	493863.09	3849377.25	0.5866	0.60208	0.44897	0.52859	2.09817	0.46618	0.60576	0.60208	6.02E+00	2.71E-01	1.14E-05	2.74E-02	9.67E-01	6.45E-02	1.05E+00	9.98E-01	7.39E+00
3491	494363.09	3849377.25	0.55731	0.59685	0.63236	0.40647	1.61736	0.46985	0.60053	0.59685	5.71E+00	2.69E-01	1.60E-05	2.10E-02	7.45E-01	6.50E-02	1.04E+00	9.89E-01	6.86E+00
3492	494863.09	3849377.25	0.64036	0.59166	0.81071	0.45159	1.22594	0.46205	0.59534	0.59166	6.57E+00	2.66E-01	2.06E-05	2.34E-02	5.65E-01	6.39E-02	1.03E+00	9.80E-01	7.53E+00
3493	495363.09	3849377.25	0.73716	0.58651	0.84171	0.55832	1.2628	0.45153	0.59019	0.58651	7.56E+00	2.64E-01	2.14E-05	2.89E-02	5.82E-01	6.24E-02	1.02E+00	9.72E-01	8.54E+00
3494	495863.09	3849377.25	0.8277	0.58138	0.71158	0.6499	1.39902	0.44359	0.58507	0.58138	8.49E+00	2.62E-01	1.81E-05	3.36E-02	6.45E-01	6.13E-02	1.01E+00	9.63E-01	9.54E+00
3495	496363.09	3849377.25	0.90263	0.57627	0.57225	0.61541	1.2557	0.43688	0.57996	0.57627	9.26E+00	2.59E-01	1.45E-05	3.19E-02	5.79E-01	6.04E-02	1.00E+00	9.55E-01	1.02E+01
3496	496863.09	3849377.25	0.95933	0.57116	0.52226	0.61824	1.03305	0.43	0.57486	0.57116	9.84E+00	2.57E-01	1.32E-05	3.20E-02	4.76E-01	5.94E-02	9.93E-01	9.46E-01	1.07E+01
3497	497363.09	3849377.25	1.00256	0.56605	0.54297	0.63921	2.19427	0.42435	0.56976	0.56605	1.03E+01	2.55E-01	1.38E-05	3.31E-02	1.01E+00	5.87E-02	9.84E-01	9.38E-01	1.17E+01
3498	497863.09	3849377.25	1.03917	0.56094	0.66425	0.74971	3.14556	0.42204	0.56466	0.56094	1.07E+01	2.52E-01	1.69E-05	3.88E-02	1.45E+00	5.83E-02	9.75E-01	9.29E-01	1.25E+01
3499	498363.09	3849377.25	1.07276	0.55582	0.76474	0.58078	3.2336	0.45727	0.55954	0.55582	1.10E+01	2.50E-01	1.94E-05	3.01E-02	1.49E+00	6.32E-02	9.66E-01	9.21E-01	1.29E+01
3500	471363.09	3849877.25	1.49412	1.48029	1.21982	1.03741	3.08501	0.75643	1.49406	1.48029	1.53E+01	6.66E-01	3.09E-05	5.37E-02	1.42E+00	1.05E-01	2.58E+00	2.45E+00	1.77E+01
3501	471863.09	3849877.25	1.89364	2.11772	1.27563	1.13986	2.68338	1.0635	2.13644	2.11772	1.94E+01	9.53E-01	3.24E-05	5.90E-02	1.24E+00	1.47E-01	3.69E+00	3.51E+00	2.20E+01
3502	472363.09	3849877.25	2.08819	1.98435	2.27488	1.17317	1.89425	1.37035	1.99827	1.98435	2.14E+01	8.93E-01	5.77E-05	6.07E-02	8.73E-01	1.89E-01	3.45E+00	3.29E+00	2.36E+01
3503	472863.09	3849877.25	2.23914	1.93801	3.09842	1.35083	1.15452	1.52647	1.95725	1.93801	2.30E+01	8.72E-01	7.86E-05	6.99E-02	5.32E-01	2.11E-01	3.38E+00	3.21E+00	2.48E+01
3504	473363.09	3849877.25	2.41013	1.9762	3.47612	1.60491	2.25224	1.58617	1.99574	1.9762	2.47E+01	8.89E-01	8.82E-05	8.31E-02	1.04E+00	2.19E-01	3.45E+00	3.27E+00	2.71E+01
3505	473863.09	3849877.25	3.03391	1.98981	3.36042	1.62456	3.93313	1.8998	2.0102	1.98981	3.11E+01	8.96E-01	8.52E-05	8.41E-02	1.81E+00	2.63E-01	3.47E+00	3.30E+00	3.43E+01
3506	474363.09	3849877.25	3.52717	2.15904	4.16048	1.63619	5.01	2.20095	2.17835	2.15904	3.62E+01	9.72E-01	1.06E-04	8.47E-02	2.31E+00	3.04E-01	3.76E+00	3.58E+00	4.00E+01
3507	474863.09	3849877.25	3.78552	2.87625	6.44017	1.78988	4.70168	2.15564	2.26115	2.87625	3.88E+01	1.29E+00	1.63E-04	9.27E-02	2.17E+00	2.98E-01	3.90E+00	4.77E+00	4.18E+01
3508	475363.09	3849877.25	3.7645	2.86514	6.78309	2.59616	3.2699	2.35344	2.53886	2.86514	3.86E+01	1.29E+00	1.72E-04	1.34E-01	1.51E+00	3.25E-01	4.38E+00	4.75E+00	4.15E+01
3509	475863.09	3849877.25	3.4217	4.2803	4.47972	3.27166	5.99195	2.45857	4.31983	4.2803	3.51E+01	1.93E+00	1.14E-04	1.69E-01	2.76E+00	3.40E-01	7.46E+00	7.09E+00	4.06E+01
3510	476363.09	3849877.25	2.76651	3.78947	1.63315	3.46474	7.65763	2.42071	3.81919	3.78947	2.84E+01	1.71E+00	4.14E-05	1.79E-01	3.53E+00	3.35E-01	6.59E+00	6.28E+00	3.44E+01
3511	476863.09	3849877.25	2.56561	6.21437	3.69949	3.26922	6.68605	2.11969	6.26623	6.21437	2.63E+01	2.80E+00	9.38E-05	1.69E-01	3.08E+00	2.93E-01	1.08E+01	1.03E+01	3.32E+01
3512	477363.09	3849877.25	2.80845	8.69488	5.20686	2.05123	4.21017	1.50967	8.76135	8.69488	2.88E+01	3.91E+00	1.32E-04	1.06E-01	1.94E+00	2.09E-01	1.51E+01	1.44E+01	3.57E+01
3513	477863.09	3849877.25	3.60864	15.90606	3.20277	1.71989	2.74087	1.43616	15.9028	15.90606	3.70E+01	7.16E+00	8.12E-05	8.90E-02	1.26E+00	1.99E-01	2.75E+01	2.64E+01	4.68E+01
3514	478363.09	3849877.25	3.77333	7.78807	1.77214	3.81206	3.38855	2.15205	7.83463	7.78807	3.87E+01	3.50E+00	4.50E-05	1.97E-01	1.56E+00	2.98E-01	1.35E+01	1.29E+01	4.49E+01
3515	478863.09	3849877.25	5.60275	4.88602	1.03663	3.36299	6.02783	3.43651	4.92077	4.88602	5.75E+01	2.20E+00	2.63E-05	1.74E-01	2.78E+00	4.75E-01	8.50E+00	8.10E+00	6.35E+01
3516	479363.09	3849877.25	6.2939	3.74659	0.86806	2.35887	4.99529	2.35796	3.76797	3.74659	6.45E+01	1.69E+00	2.20E-05	1.22E-01	2.30E+00	3.26E-01	6.51E+00	6.21E+00	6.93E+01
3517	479863.09	3849877.25	5.82225	3.98194	0.79928	2.04992	3.73982	2.32862	4.31396	3.98194	5.97E+01	1.79E+00	2.03E-05	1.06E-01	1.72E+00	3.22E-01	7.45E+00	6.60E+00	6.45E+01
3518	480363.09	3849877.25	5.04054	2.73823	2.18598	2.71561	1.26066	2.02417	2.75854	2.73823	5.17E+01	1.23E+00	5.55E-05	1.41E-01	5.81E-01	2.80E-01	4.76E+00	4.54E+00	5.41E+01
3519	480863.09	3849877.25	4.80329	2.16824	0.80738	2.80967	5.02384	1.43815	2.18655	2.16824	4.93E+01	9.76E-01	2.05E-05	1.45E-01	2.32E+00	1.99E-01	3.78E+00	3.59E+00	5.31E+01
3520	481363.09	3849877.25	4.21835	1.83534	1.88782	1.66431	9.28611	1.01596	1.85205	1.83534	4.33E+01	8.26E-01	4.79E-05	8.62E-02	4.28E+00	1.40E-01	3.20E+00	3.04E+00	4.87E+01
3521	481863.09	3849877.25	2.72565	0.85382	1.59534	0.59978	3.35908	0.70475	0.86335	0.85382	2.79E+01	3.84E-01	4.05E-05	3.10E-02	1.55E+00	9.74E-02	1.49E+00	1.41E+00	3.01E+01
3522	482363.09	3849877.25	2.31353	0.80441	0.92351	0.68771	1.00491	0.68918	0.8115	0.80441	2.37E+01	3.62E-01	2.34E-05	3.56E-02	4.63E-01	9.53E-02	1.40E+00	1.33E+00	2.47E+01
3523	482863.09	3849877.25	2.31655	0.77061	0.8269	0.60961	1.19667	0.63896	0.77607	0.77061	2.38E+01	3.47E-01	2.10E-05	3.16E-02	5.51E-01	8.83E-02	1.34E+00	1.28E+00	2.48E+01
3524	483363.09	3849877.25	1.81838	0.70139	0.85789	0.60527	1.73104	0.84724	0.70512	0.70139	1.86E+01	3.16E-01	2.18E-05	3.13E-02	7.98E-01	1.17E-01	1.22E+00	1.16E+00	2.00E+01
3525	483863.09	3849877.25	2.02653	0.69543	0.73046	0.58691	1.9758	0.96995	0.69921	0.69543	2.08E+01	3.13E-01	1.85E-05	3.04E-02	9.11E-01	1.34E-01	1.21E+00	1.15E+00	2.22E+01
3526	484363.09	3849877.25	2.77674	0.78146	0.98124	0.94706	1.82104	1.01418	0.78952	0.78146	2.85E+01	3.52E-01	2.49E-05	4.90E-02	8.39E-01	1.40E-01	1.36E+00	1.29E+00	2.99E+01
3527	484863.09	3849877.25	2.38773	0.91276	1.44554	1.18582	7.55834	0.97854	0.92094	0.91276	2.45E+01	4.11E-01	3.67E-05	6.14E-02	3.48E+00	1.35E-01	1.59E+00	1.51E+00	2.87E+01
3528	485363.09	3849877.25	1.7008	0.76913	0.83962	1.15235	8.9445	0.70515	0.77596	0.76913	1.74E+01	3.46E-01	2.13E-05	5.97E-02	4.12E+00	9.75E-02	1.34E+00	1.27E+00	2.21E+01
3529	485863.09	3849877.25	1.20344	0.73646	0.97202	0.85831	4.02927	0.58725	0.74464	0.73646	1.23E+01	3.31E-01	2.47E-05	4.44E-02	1.86E+00	8.12E-02	1.29E+00	1.22E+00	1.47E+01
3530	486363.09	3849877.25	0.94623	0.70458	1.09593	0.73659	2.09393	0.53954	0.71128	0.70458	9.70E+00	3.17E-01	2.78E-05	3.81E-02	9.65E-01	7.46E-02	1.23E+00	1.17E+00	1.12E+01
3531	486863.09	3849877.25	0.9665	0.67079	0.9534	0.86996	1.45149	0.60836	0.67842	0.67079	9.91E+00	3.02E-01	2.42E-05	4.50E-02	6.69E-01	8.41E-02	1.17E+00	1.11E+00	1.11E+01
3532	487363.09	3849877.25	1.1454	0.66091	1.21056	0.55197	2.73476	0.62451	0.66497	0.66091	1.17E+01	2.97E-01	3.07E-05	2.86E-02	1.26E+00	8.63E-02	1.15E+00	1.10E+00	1.35E+01
3533	487863.09	3849877.25	1.15548	0.65484	0.89203	0.48441	3.13368	0.58075	0.65889	0.65484	1.18E+01	2.95E-01	2.26E-05	2.51E-02	1.44E+00	8.03E-02	1.14E+00	1.09E+00	1.37E+01
3534	488363.09	3849877.25	1.25218	0.64848	0.95061	0.58098	4.1193	0.63022	0.65256	0.64848	1.28E+01	2.92E-01	2.41E-05	3.01E-02	1.90E+00	8.71E-02	1.13E+00	1.07E+00	1.52E+01
3535	488863.09	3849877.25	1.24553	0.64284	0.7169	0.82429	2.03211	0.5057	0.64696	0.64284	1.28E+01	2.89E-01	1.82E-05	4.27E-02	9.36E-01	6.99E-02	1.12E+00	1.07E+00	1.42E+01
3536	489363.09	3849877.25	1.14305	0.63758	0.6058	0.91928	3.12318	0.49359	0.64174	0.63758	1.17E+01	2.87E-01	1.54E-05	4.76E-02	1.44E+00	6.82E-02	1.11E+00	1.06E+00	1.36E+01

3537	489863.09	3849877.25	1.06032	0.63266	0.59652	0.81764	4.53822	0.41099	0.63685	0.63266	1.09E+01	2.85E-01	1.51E-05	4.23E-02	2.09E+00	5.68E-02	1.10E+00	1.05E+00	1.34E+01
3538	490363.09	3849877.25	0.97028	0.62774	0.5869	0.68939	2.66575	0.39706	0.63197	0.62774	9.95E+00	2.83E-01	1.49E-05	3.57E-02	1.23E+00	5.49E-02	1.09E+00	1.04E+00	1.16E+01
3539	490863.09	3849877.25	0.90402	0.6228	0.46355	0.61573	2.26627	0.38509	0.62708	0.6228	9.27E+00	2.80E-01	1.18E-05	3.19E-02	1.04E+00	5.32E-02	1.08E+00	1.03E+00	1.07E+01
3540	491363.09	3849877.25	0.87648	0.61784	0.6277	0.49435	1.50112	0.29542	0.62215	0.61784	8.99E+00	2.78E-01	1.59E-05	2.56E-02	6.92E-01	4.08E-02	1.07E+00	1.02E+00	1.01E+01
3541	491863.09	3849877.25	0.71664	0.61283	0.40371	0.54435	2.02829	0.40717	0.61718	0.61283	7.35E+00	2.76E-01	1.02E-05	2.82E-02	9.35E-01	5.63E-02	1.07E+00	1.02E+00	8.69E+00
3542	492363.09	3849877.25	0.57614	0.60776	0.40112	0.66256	1.82167	0.45921	0.61214	0.60776	5.91E+00	2.74E-01	1.02E-05	3.43E-02	8.40E-01	6.35E-02	1.06E+00	1.01E+00	7.17E+00
3543	492863.09	3849877.25	0.59186	0.60262	0.44784	0.63998	2.33605	0.47574	0.60702	0.60262	6.07E+00	2.71E-01	1.14E-05	3.31E-02	1.08E+00	6.58E-02	1.05E+00	9.99E-01	7.57E+00
3544	493363.09	3849877.25	0.58278	0.59739	0.68098	0.56754	2.27995	0.47663	0.60181	0.59739	5.98E+00	2.69E-01	1.73E-05	2.94E-02	1.05E+00	6.59E-02	1.04E+00	9.90E-01	7.44E+00
3545	493863.09	3849877.25	0.65357	0.59207	0.84158	0.50242	1.83213	0.46611	0.59651	0.59207	6.70E+00	2.66E-01	2.13E-05	2.60E-02	8.44E-01	6.44E-02	1.03E+00	9.81E-01	7.95E+00
3546	494363.09	3849877.25	0.7522	0.58665	0.87002	0.44383	1.27293	0.45467	0.5911	0.58665	7.71E+00	2.64E-01	2.21E-05	2.30E-02	5.87E-01	6.29E-02	1.02E+00	9.72E-01	8.70E+00
3547	494863.09	3849877.25	0.84301	0.58114	0.75287	0.51807	1.31031	0.44771	0.58559	0.58114	8.64E+00	2.62E-01	1.91E-05	2.68E-02	6.04E-01	6.19E-02	1.01E+00	9.63E-01	9.65E+00
3548	495363.09	3849877.25	0.9158	0.57553	0.57031	0.62331	1.45167	0.44094	0.57998	0.57553	9.39E+00	2.59E-01	1.45E-05	3.23E-02	6.69E-01	6.10E-02	1.00E+00	9.54E-01	1.05E+01
3549	495863.09	3849877.25	0.96902	0.56983	0.50267	0.6681	1.28358	0.43378	0.57427	0.56983	9.94E+00	2.56E-01	1.28E-05	3.46E-02	5.92E-01	6.00E-02	9.91E-01	9.44E-01	1.09E+01
3550	496363.09	3849877.25	1.00933	0.56405	0.53519	0.60861	1.35399	0.42836	0.56847	0.56405	1.03E+01	2.54E-01	1.36E-05	3.15E-02	6.24E-01	5.92E-02	9.81E-01	9.35E-01	1.14E+01
3551	496863.09	3849877.25	1.04458	0.55819	0.65514	0.66085	2.6046	0.42559	0.56259	0.55819	1.07E+01	2.51E-01	1.66E-05	3.42E-02	1.20E+00	5.88E-02	9.71E-01	9.25E-01	1.23E+01
3552	497363.09	3849877.25	1.07813	0.55226	0.80142	0.76385	3.37323	0.42499	0.55664	0.55226	1.11E+01	2.49E-01	2.03E-05	3.95E-02	1.55E+00	5.88E-02	9.61E-01	9.15E-01	1.30E+01
3553	497863.09	3849877.25	1.10705	0.54628	0.85183	0.60063	3.12405	0.47936	0.55063	0.54628	1.14E+01	2.46E-01	2.16E-05	3.11E-02	1.44E+00	6.63E-02	9.51E-01	9.05E-01	1.32E+01
3554	498363.09	3849877.25	1.12285	0.54025	0.77806	0.53362	2.10944	0.52181	0.54457	0.54025	1.15E+01	2.43E-01	1.97E-05	2.76E-02	9.72E-01	7.21E-02	9.40E-01	8.95E-01	1.29E+01
3555	471363.09	3850377.25	1.43926	0.81601	0.73207	0.98178	3.52932	0.77586	0.82246	0.81601	1.48E+01	3.67E-01	1.86E-05	5.08E-02	1.63E+00	1.07E-01	1.42E+00	1.35E+00	1.70E+01
3556	471863.09	3850377.25	1.53015	0.87726	1.34119	1.01266	4.43024	0.75521	0.8862	0.87726	1.57E+01	3.95E-01	3.40E-05	5.24E-02	2.04E+00	1.04E-01	1.53E+00	1.45E+00	1.84E+01
3557	472363.09	3850377.25	1.66239	1.19199	1.58597	1.06949	3.5703	0.81974	1.20298	1.19199	1.70E+01	5.36E-01	4.02E-05	5.54E-02	1.65E+00	1.13E-01	2.08E+00	1.98E+00	1.95E+01
3558	472863.09	3850377.25	1.99359	1.50137	1.63131	1.17988	3.02425	1.28526	1.51364	1.50137	2.04E+01	6.76E-01	4.14E-05	6.11E-02	1.39E+00	1.78E-01	2.61E+00	2.49E+00	2.29E+01
3559	473363.09	3850377.25	2.26312	1.63001	2.52889	1.2482	2.21599	1.43206	1.62332	1.63001	2.32E+01	7.34E-01	6.42E-05	6.46E-02	1.02E+00	1.98E-01	2.80E+00	2.70E+00	2.53E+01
3560	473863.09	3850377.25	2.40414	1.87149	3.36263	1.49473	1.3516	1.59631	1.73037	1.87149	2.47E+01	8.42E-01	8.53E-05	7.74E-02	6.23E-01	2.21E-01	2.99E+00	3.10E+00	2.63E+01
3561	474363.09	3850377.25	2.83764	1.74994	3.81179	1.71942	2.70095	1.69612	1.77925	1.74994	2.91E+01	7.88E-01	9.67E-05	8.90E-02	1.24E+00	2.34E-01	3.07E+00	2.90E+00	3.16E+01
3562	474863.09	3850377.25	3.46599	1.90251	3.58438	1.68827	4.44022	2.28944	1.93556	1.90251	3.55E+01	8.56E-01	9.09E-05	8.74E-02	2.05E+00	3.17E-01	3.34E+00	3.15E+00	3.90E+01
3563	475363.09	3850377.25	3.88996	2.48375	5.76008	1.71035	5.26463	2.32826	2.04227	2.48375	3.99E+01	1.12E+00	1.46E-04	8.85E-02	2.43E+00	3.22E-01	3.53E+00	4.12E+00	4.33E+01
3564	475863.09	3850377.25	4.04003	3.28945	7.68298	2.08675	4.71324	2.36269	2.32303	3.28945	4.14E+01	1.48E+00	1.95E-04	1.08E-01	2.17E+00	3.27E-01	4.01E+00	5.45E+00	4.41E+01
3565	476363.09	3850377.25	3.87813	3.01484	6.5816	3.14257	4.71302	2.58285	3.04546	3.01484	3.98E+01	1.36E+00	1.67E-04	1.63E-01	2.17E+00	3.57E-01	5.26E+00	5.00E+00	4.41E+01
3566	476863.09	3850377.25	3.36307	2.92639	3.16274	3.56405	7.29577	2.59146	2.94995	2.92639	3.45E+01	1.32E+00	8.02E-05	1.84E-01	3.36E+00	3.58E-01	5.09E+00	4.85E+00	4.00E+01
3567	477363.09	3850377.25	2.61352	3.97683	3.32975	3.79766	7.01646	2.54335	4.00866	3.97683	2.68E+01	1.79E+00	8.45E-05	1.97E-01	3.23E+00	3.52E-01	6.92E+00	6.59E+00	3.27E+01
3568	477863.09	3850377.25	2.93342	5.02829	5.83208	3.10623	5.75198	1.911	5.07601	5.02829	3.01E+01	2.26E+00	1.48E-04	1.61E-01	2.65E+00	2.64E-01	8.76E+00	8.33E+00	3.59E+01
3569	478363.09	3850377.25	2.9973	9.74722	3.61162	1.63579	2.69151	1.48261	9.88628	9.74722	3.07E+01	4.39E+00	9.16E-05	8.47E-02	1.24E+00	2.05E-01	1.71E+01	1.62E+01	3.76E+01
3570	478863.09	3850377.25	4.57387	16.42158	2.11798	3.55577	3.4208	2.25965	16.2321	16.42158	4.69E+01	7.39E+00	5.37E-05	1.84E-01	1.58E+00	3.12E-01	2.80E+01	2.72E+01	5.72E+01
3571	479363.09	3850377.25	6.3566	7.05805	1.16282	3.9189	5.64872	3.90366	7.0651	7.05805	6.52E+01	3.18E+00	2.95E-05	2.03E-01	2.60E+00	5.40E-01	1.22E+01	1.17E+01	7.22E+01
3572	479863.09	3850377.25	6.85046	5.27408	0.99192	2.5818	5.93448	2.82519	5.31204	5.27408	7.02E+01	2.37E+00	2.52E-05	1.34E-01	2.73E+00	3.91E-01	9.17E+00	8.74E+00	7.63E+01
3573	480363.09	3850377.25	5.96277	3.88681	2.62096	2.20991	4.21473	2.38725	3.91386	3.88681	6.11E+01	1.75E+00	6.65E-05	1.14E-01	1.94E+00	3.30E-01	6.76E+00	6.44E+00	6.56E+01
3574	480863.09	3850377.25	5.99451	3.34196	3.68791	3.11387	1.71319	2.33937	3.2087	3.34196	6.15E+01	1.50E+00	9.36E-05	1.61E-01	7.90E-01	3.23E-01	5.54E+00	5.54E+00	6.42E+01
3575	481363.09	3850377.25	4.50558	2.51628	1.40924	2.74106	6.03672	1.34149	2.5362	2.51628	4.62E+01	1.13E+00	3.57E-05	1.42E-01	2.78E+00	1.85E-01	4.38E+00	4.17E+00	5.07E+01
3576	481863.09	3850377.25	4.92964	1.97487	2.21649	1.57065	9.77154	1.1216	1.99308	1.97487	5.05E+01	8.89E-01	5.62E-05	8.13E-02	4.50E+00	1.55E-01	3.44E+00	3.27E+00	5.63E+01
3577	482363.09	3850377.25	4.68882	1.43973	1.78896	1.29952	4.83122	0.82251	1.45068	1.43973	4.81E+01	6.48E-01	4.54E-05	6.73E-02	2.23E+00	1.14E-01	2.50E+00	2.39E+00	5.13E+01
3578	482863.09	3850377.25	2.28719	1.2576	0.80185	0.78432	1.05112	0.80179	1.27044	1.2576	2.35E+01	5.66E-01	2.03E-05	4.06E-02	4.84E-01	1.11E-01	2.19E+00	2.08E+00	2.48E+01
3579	483363.09	3850377.25	2.47293	1.09458	0.93168	0.72483	1.49484	0.85652	1.10378	1.09458	2.54E+01	4.93E-01	2.36E-05	3.75E-02	6.89E-01	1.18E-01	1.91E+00	1.81E+00	2.68E+01
3580	483863.09	3850377.25	2.76444	0.99496	0.7203	0.9128	1.98992	1.12252	1.00478	0.99496	2.83E+01	4.48E-01	1.83E-05	4.73E-02	9.17E-01	1.55E-01	1.73E+00	1.65E+00	3.00E+01
3581	484363.09	3850377.25	2.87065	0.92354	1.10033	0.97183	3.33174	1.22806	0.93409	0.92354	2.94E+01	4.16E-01	2.79E-05	5.03E-02	1.54E+00	1.70E-01	1.61E+00	1.53E+00	3.17E+01
3582	484863.09	3850377.25	2.60446	1.00766	1.30336	1.14029	6.04725	1.11534	1.01528	1.00766	2.67E+01	4.53E-01	3.31E-05	5.90E-02	2.79E+00	1.54E-01	1.75E+00	1.67E+00	3.02E+01
3583	485363.09	3850377.25	2.13435	1.03906	0.93113	1.32687	9.59357	0.81001	1.04731	1.03906	2.19E+01	4.68E-01	2.36E-05	6.87E-02	4.42E+00	1.12E-01	1.81E+00	1.72E+00	2.70E+01
3584	485863.09	3850377.25	1.7854	0.88308	1.26869	1.09294	6.6225	0.6419	0.89015	0.88308	1.83E+01	3.97E-01	3.22E-05	5.66E-02	3.05E+00	8.87E-02	1.54E+00	1.46E+00	2.20E+01
3585	486363.09	3850377.25	1.74114	0.86817	1.33491	0.95501	3.65486	0.54801	0.87534	0.86817	1.79E+01	3.91E-01	3.39E-05	4.94E-02	1.68E+00	7.58E-02	1.51E+00	1.44E+00	2.01E+01
3586	486863.09	3850377.25	1.4043	0.8367	1.36667	0.97418	2.77473	0.63692	0.84378	0.8367	1.44E+01	3.77E-01	3.47E-05	5.04E-02	1.28E+00	8.81E-02	1.46E+00	1.39E+00	1.63E+01
3587	487363.09	3850377.25	1.16076	0.74741	0.78146	0.5871	2.81864	0.64962	0.7564	0.74741	1.19E+01	3.36E-01	1.98E-05	3.04E-02	1.30E+00	8.98E-02	1.31E+00	1.24E+00	1.37E+01
3588	487863.09	3850377.25	1.1611	0.72596	1.07685	0.56049	5.01418	0.59246	0.73463	0.72596	1.19E+01	3.27E-01	2.73E-05	2.90E-02	2.31E+00	8.19E-02	1.27E+00	1.20E+00	1.47E+01
3589	488363.09	3850377.25	1.27061	0.69995	0.84004	0.58142	4.15241	0.63254	0.70774	0.69995	1.30E+01	3.15E-01	2.13E-05	3.01E-02	1.91E+00	8.75E-02	1.22E+00	1.16E+00	1.54E+01
3590	488863.09	3850377.25	1.24157	0.66892	1.11096	0.84245	2.44903	0.50495	0.67593	0.66892	1.27E+01	3.01E-01	2.82E-05	4.36E-02	1.13E+00	6.98E-02	1.17E+00	1.11E+00	1.43E+01
3591	489363.09	3850377.25	1.09242	0.63923	0.63472	0.94517	3.21516	0.50391	0.64525	0.63923	1.12E+01	2.88E-01	1.61E-05	4.89E-02	1.48E+00	6.97E-02	1.11E+00	1.06E+00	1.31E+01
3592	489863.09	3850377.25	0.99551	0.63139	0.60861	0.81562	4.8544	0.46311	0.63741	0.63139	1.02E+01	2.84E-01	1.54E-05	4.22E-02	2.24E+00	6.40E-02	1.10E+00	1.05E+00	1.29E+01
3593	490363.09	3850377.25	0.91662	0.62481	0.79198	0.70805	3.13716	0.41242	0.63078	0.62481	9.40E+00	2.81E-01	2.01E-05	3.67E-02	1.45E+00	5.70E-02	1.09E+00	1.04E+00	1.13E+01
3594	490863.09	3850377.25	0.87669	0.61801	0.66025	0.60669	2.08381	0.43596	0.62392	0.61801	8.99E+00	2.78E-01	1.67E-05	3.14E-02	9.60E-01	6.03E-02	1.08E+00	1.02E+00	1.04E+01
3595	491363.09	3850377.25	0.87955	0.61101	0.39446	0.59452	3.78834	0.47345	0.61685	0.61101	9.02E+00	2.75E-01	1.00E-05	3.08E-02	1.75E+00	6.55E-02	1.06E+00	1.01E+00	1.12E+01

3596	491863.09	3850377.25	0.9153	0.60384	0.49772	0.56148	2.08076	0.48519	0.60959	0.60384	9.39E+00	2.72E-01	1.26E-05	2.91E-02	9.59E-01	6.71E-02	1.05E+00	1.00E+00	1.08E+01
3597	492363.09	3850377.25	0.59454	0.59652	0.76665	0.68278	2.32621	0.48371	0.60218	0.59652	6.10E+00	2.68E-01	1.94E-05	3.53E-02	1.07E+00	6.69E-02	1.04E+00	9.88E-01	7.59E+00
3598	492863.09	3850377.25	0.66707	0.58907	0.93445	0.61678	2.45066	0.46973	0.59463	0.58907	6.84E+00	2.65E-01	2.37E-05	3.19E-02	1.13E+00	6.49E-02	1.03E+00	9.76E-01	8.38E+00
3599	493363.09	3850377.25	0.7677	0.58154	0.8863	0.55867	2.03477	0.45764	0.587	0.58154	7.87E+00	2.62E-01	2.25E-05	2.89E-02	9.38E-01	6.33E-02	1.01E+00	9.64E-01	9.21E+00
3600	493863.09	3850377.25	0.85859	0.57395	0.72108	0.46086	1.64014	0.4516	0.57931	0.57395	8.80E+00	2.58E-01	1.83E-05	2.39E-02	7.56E-01	6.24E-02	1.00E+00	9.51E-01	9.95E+00
3601	494363.09	3850377.25	0.92866	0.56633	0.54723	0.47903	1.36191	0.44526	0.57158	0.56633	9.52E+00	2.55E-01	1.39E-05	2.48E-02	6.28E-01	6.16E-02	9.87E-01	9.38E-01	1.05E+01
3602	494863.09	3850377.25	0.97794	0.5587	0.47789	0.58073	1.5087	0.43783	0.56385	0.5587	1.00E+01	2.51E-01	1.21E-05	3.01E-02	6.95E-01	6.05E-02	9.73E-01	9.26E-01	1.11E+01
3603	495363.09	3850377.25	1.01541	0.5511	0.54164	0.71035	1.76061	0.43274	0.55614	0.5511	1.04E+01	2.48E-01	1.37E-05	3.68E-02	8.11E-01	5.98E-02	9.60E-01	9.13E-01	1.16E+01
3604	495863.09	3850377.25	1.04965	0.54353	0.67964	0.63434	1.75788	0.43026	0.54847	0.54353	1.08E+01	2.45E-01	1.72E-05	3.28E-02	8.10E-01	5.95E-02	9.47E-01	9.01E-01	1.20E+01
3605	496363.09	3850377.25	1.08349	0.53602	0.83945	0.69555	3.01023	0.42971	0.54086	0.53602	1.11E+01	2.41E-01	2.13E-05	3.60E-02	1.39E+00	5.94E-02	9.34E-01	8.88E-01	1.29E+01
3606	496863.09	3850377.25	1.11292	0.52859	0.89069	0.78782	3.50121	0.44503	0.53332	0.52859	1.14E+01	2.38E-01	2.26E-05	4.08E-02	1.61E+00	6.15E-02	9.21E-01	8.76E-01	1.34E+01
3607	497363.09	3850377.25	1.12828	0.52124	0.79911	0.70479	2.89873	0.50088	0.52588	0.52124	1.16E+01	2.35E-01	2.03E-05	3.65E-02	1.34E+00	6.92E-02	9.08E-01	8.64E-01	1.33E+01
3608	497863.09	3850377.25	1.11851	0.51399	0.61956	0.55871	1.71831	0.53524	0.51853	0.51399	1.15E+01	2.31E-01	1.57E-05	2.89E-02	7.92E-01	7.40E-02	8.95E-01	8.52E-01	1.26E+01
3609	498363.09	3850377.25	1.07798	0.50684	0.43231	0.64186	1.967	0.51014	0.51129	0.50684	1.11E+01	2.28E-01	1.10E-05	3.32E-02	9.06E-01	7.05E-02	8.83E-01	8.40E-01	1.23E+01
3610	471363.09	3850877.25	1.76504	0.78017	0.85443	1.22027	3.69466	0.90608	0.78614	0.78017	1.81E+01	3.51E-01	2.17E-05	6.32E-02	1.70E+00	1.25E-01	1.36E+00	1.29E+00	2.04E+01
3611	471863.09	3850877.25	1.82078	0.84877	1.04089	1.04357	3.31296	0.80383	0.85715	0.84877	1.87E+01	3.82E-01	2.64E-05	5.40E-02	1.53E+00	1.11E-01	1.48E+00	1.41E+00	2.08E+01
3612	472363.09	3850877.25	1.81316	0.93706	1.41819	0.9819	4.47579	0.79746	0.94679	0.93706	1.86E+01	4.22E-01	3.60E-05	5.08E-02	2.06E+00	1.10E-01	1.63E+00	1.55E+00	2.13E+01
3613	472863.09	3850877.25	1.72889	1.21197	1.91294	1.09113	5.09684	0.83193	1.22152	1.21197	1.77E+01	5.45E-01	4.85E-05	5.65E-02	2.35E+00	1.15E-01	2.11E+00	2.01E+00	2.09E+01
3614	473363.09	3850877.25	1.8388	1.08771	1.84302	1.10716	4.38474	0.90212	1.09598	1.08771	1.89E+01	4.90E-01	4.68E-05	5.73E-02	2.02E+00	1.25E-01	1.89E+00	1.80E+00	2.16E+01
3615	473863.09	3850877.25	2.18315	1.41752	1.9234	1.21947	3.45729	1.32559	1.4296	1.41752	2.24E+01	6.38E-01	4.88E-05	6.31E-02	1.59E+00	1.83E-01	2.47E+00	2.35E+00	2.50E+01
3616	474363.09	3850877.25	2.44313	1.90659	3.03183	1.25602	2.58532	1.63048	1.33638	1.90659	2.51E+01	8.58E-01	7.69E-05	6.50E-02	1.19E+00	2.25E-01	2.31E+00	3.16E+00	2.65E+01
3617	474863.09	3850877.25	2.57256	2.0073	3.83228	1.68005	1.67243	1.75623	1.46221	2.0073	2.64E+01	9.03E-01	9.72E-05	8.70E-02	7.71E-01	2.43E-01	2.52E+00	3.33E+00	2.76E+01
3618	475363.09	3850877.25	3.31504	1.63555	4.19716	1.82238	3.21471	2.12986	1.61277	1.63555	3.40E+01	7.36E-01	1.06E-04	9.43E-02	1.48E+00	2.94E-01	2.78E+00	2.71E+00	3.67E+01
3619	475863.09	3850877.25	3.90921	1.77712	4.49715	1.74265	4.89934	2.56522	1.77126	1.77712	4.01E+01	8.00E-01	1.14E-04	9.02E-02	2.26E+00	3.55E-01	3.06E+00	2.94E+00	4.37E+01
3620	476363.09	3850877.25	4.23802	3.26117	7.55736	1.83768	4.89242	2.4319	2.23702	3.26117	4.35E+01	1.47E+00	1.92E-04	9.51E-02	2.25E+00	3.36E-01	3.86E+00	5.40E+00	4.61E+01
3621	476863.09	3850877.25	4.25126	3.38812	8.52379	2.74879	4.37677	2.64747	2.33146	3.38812	4.36E+01	1.52E+00	2.16E-04	1.42E-01	2.02E+00	3.66E-01	4.03E+00	5.61E+00	4.61E+01
3622	477363.09	3850877.25	3.91444	2.43759	5.60495	3.50639	5.99109	2.73854	2.49603	2.43759	4.01E+01	1.10E+00	1.42E-04	1.82E-01	2.76E+00	3.79E-01	4.31E+00	4.04E+00	4.48E+01
3623	477863.09	3850877.25	3.18642	2.79486	2.81275	3.97962	7.63737	2.83004	2.83745	2.79486	3.27E+01	1.26E+00	7.14E-05	2.06E-01	3.52E+00	3.91E-01	4.90E+00	4.63E+00	3.83E+01
3624	478363.09	3850877.25	3.0265	3.43609	6.36854	4.11784	7.27717	2.59143	3.51065	3.43609	3.10E+01	1.55E+00	1.62E-04	2.13E-01	3.35E+00	3.58E-01	6.06E+00	5.69E+00	3.69E+01
3625	478863.09	3850877.25	3.12111	4.60506	4.70884	2.42511	4.97879	1.52529	4.69217	4.60506	3.20E+01	2.07E+00	1.19E-04	1.26E-01	2.29E+00	2.11E-01	8.10E+00	7.63E+00	3.72E+01
3626	479363.09	3850877.25	3.58528	9.13154	2.48187	3.20741	3.39551	3.00271	9.33063	9.13154	3.68E+01	4.11E+00	6.30E-05	1.66E-01	1.56E+00	4.15E-01	1.61E+01	1.51E+01	4.40E+01
3627	479863.09	3850877.25	6.4719	19.2658	1.24874	4.63342	5.19127	4.03646	18.5941	19.2658	6.64E+01	8.67E+00	3.17E-05	2.40E-01	2.39E+00	5.58E-01	3.21E+01	3.19E+01	7.84E+01
3628	480363.09	3850877.25	7.36215	7.72051	1.06317	2.74186	5.78957	3.3139	7.22761	7.72051	7.55E+01	3.47E+00	2.70E-05	1.42E-01	2.67E+00	4.58E-01	1.25E+01	1.28E+01	8.19E+01
3629	480863.09	3850877.25	5.74585	6.94454	6.64663	2.54876	4.4265	2.90603	4.78013	6.94454	5.89E+01	3.13E+00	1.69E-04	1.32E-01	2.04E+00	4.02E-01	8.25E+00	1.15E+01	6.14E+01
3630	481363.09	3850877.25	6.2696	3.86307	4.13824	3.39267	2.15609	2.48315	3.88916	3.86307	6.43E+01	1.74E+00	1.05E-04	1.76E-01	9.94E-01	3.43E-01	6.71E+00	6.40E+00	6.79E+01
3631	481863.09	3850877.25	5.52793	3.5231	2.49211	3.63646	9.7444	2.18246	3.54454	3.5231	5.67E+01	1.59E+00	6.32E-05	1.88E-01	4.49E+00	3.02E-01	6.12E+00	5.84E+00	6.35E+01
3632	482363.09	3850877.25	5.7975	2.74318	1.84798	2.08058	11.31894	1.59109	2.76461	2.74318	5.94E+01	1.23E+00	4.69E-05	1.08E-01	5.22E+00	2.20E-01	4.77E+00	4.55E+00	6.65E+01
3633	482863.09	3850877.25	4.69873	1.76174	1.88329	1.28554	3.91038	0.89971	1.778	1.76174	4.82E+01	7.93E-01	4.78E-05	6.65E-02	1.80E+00	1.24E-01	3.07E+00	2.92E+00	5.11E+01
3634	483363.09	3850877.25	2.68124	1.51254	1.05932	0.87761	1.19176	0.95268	1.52371	1.51254	2.75E+01	6.81E-01	2.69E-05	4.54E-02	5.49E-01	1.32E-01	2.63E+00	2.51E+00	2.90E+01
3635	483863.09	3850877.25	2.70561	1.47872	0.74944	0.97219	3.4452	1.20115	1.49086	1.47872	2.77E+01	6.65E-01	1.90E-05	5.03E-02	1.59E+00	1.66E-01	2.57E+00	2.45E+00	3.03E+01
3636	484363.09	3850877.25	2.92164	1.41792	1.56392	0.99424	5.84174	1.31134	1.42853	1.41792	3.00E+01	6.38E-01	3.97E-05	5.15E-02	2.69E+00	1.81E-01	2.47E+00	2.35E+00	3.36E+01
3637	484863.09	3850877.25	2.77968	1.32508	1.50424	1.07631	4.18978	1.36996	1.33531	1.32508	2.85E+01	5.96E-01	3.82E-05	5.57E-02	1.93E+00	1.89E-01	2.31E+00	2.20E+00	3.14E+01
3638	485363.09	3850877.25	2.41755	1.22341	1.19341	1.32642	9.31314	1.15165	1.23333	1.22341	2.48E+01	5.51E-01	3.03E-05	6.87E-02	4.29E+00	1.59E-01	2.13E+00	2.03E+00	3.00E+01
3639	485863.09	3850877.25	2.07816	1.11455	1.14344	1.40267	8.56255	0.67463	1.12617	1.11455	2.13E+01	5.02E-01	2.90E-05	7.26E-02	3.95E+00	9.33E-02	1.94E+00	1.85E+00	2.60E+01
3640	486363.09	3850877.25	2.13408	1.02926	1.4439	1.4444	4.7539	0.55654	1.03975	1.02926	2.19E+01	4.63E-01	3.66E-05	7.48E-02	2.19E+00	7.69E-02	1.80E+00	1.71E+00	2.48E+01
3641	486863.09	3850877.25	1.77119	0.95439	1.31257	1.12901	4.21828	0.65804	0.96503	0.95439	1.82E+01	4.30E-01	3.33E-05	5.84E-02	1.94E+00	9.10E-02	1.67E+00	1.58E+00	2.08E+01
3642	487363.09	3850877.25	1.25146	0.89181	1.04747	0.69225	2.90636	0.64978	0.9021	0.89181	1.28E+01	4.01E-01	2.66E-05	3.58E-02	1.34E+00	8.98E-02	1.56E+00	1.48E+00	1.48E+01
3643	487863.09	3850877.25	1.20877	0.84477	0.99995	0.6325	5.44712	0.62966	0.85495	0.84477	1.24E+01	3.80E-01	2.54E-05	3.27E-02	2.51E+00	8.71E-02	1.48E+00	1.40E+00	1.55E+01
3644	488363.09	3850877.25	1.28942	0.80768	0.94707	0.58088	8.31615	0.63158	0.81712	0.80768	1.32E+01	3.63E-01	2.40E-05	3.01E-02	3.83E+00	8.73E-02	1.41E+00	1.34E+00	1.76E+01
3645	488863.09	3850877.25	1.23494	0.77675	1.13271	0.86142	2.86478	0.5065	0.78556	0.77675	1.27E+01	3.50E-01	2.87E-05	4.46E-02	1.32E+00	7.00E-02	1.36E+00	1.29E+00	1.45E+01
3646	489363.09	3850877.25	1.02507	0.74977	0.80779	0.97303	4.06843	0.51015	0.75765	0.74977	1.05E+01	3.37E-01	2.05E-05	5.04E-02	1.87E+00	7.05E-02	1.31E+00	1.24E+00	1.29E+01
3647	489863.09	3850877.25	1.01526	0.72273	1.04645	0.81051	4.81377	0.46345	0.72929	0.72273	1.04E+01	3.25E-01	2.65E-05	4.20E-02	2.22E+00	6.41E-02	1.26E+00	1.20E+00	1.31E+01
3648	490363.09	3850877.25	1.08191	0.69344	0.69206	0.7245	2.49502	0.48386	0.69952	0.69344	1.11E+01	3.12E-01	1.76E-05	3.75E-02	1.15E+00	6.69E-02	1.21E+00	1.15E+00	1.27E+01
3649	490863.09	3850877.25	1.13862	0.65992	0.78391	0.72337	3.15251	0.49465	0.66513	0.65992	1.17E+01	2.97E-01	1.99E-05	3.74E-02	1.45E+00	6.84E-02	1.15E+00	1.09E+00	1.36E+01
3650	491363.09	3850877.25	0.90372	0.58826	0.86673	0.76143	4.42327	0.49131	0.59548	0.58826	9.27E+00	2.65E-01	2.20E-05	3.94E-02	2.04E+00	6.79E-02	1.03E+00	9.75E-01	1.17E+01
3651	491863.09	3850877.25	0.95733	0.55489	1.03868	0.63747	2.24442	0.47335	0.56035	0.55489	9.82E+00	2.50E-01	2.63E-05	3.30E-02	1.03E+00	6.54E-02	9.67E-01	9.19E-01	1.12E+01
3652	492363.09	3850877.25	1.01447	0.54555	0.94778	0.6816	2.59539	0.46149	0.55082	0.54555	1.04E+01	2.46E-01	2.40E-05	3.53E-02	1.20E+00	6.38E-02	9.51E-01	9.04E-01	1.20E+01
3653	492863.09	3850877.25	0.87439	0.53651	0.71045	0.59195	2.21408	0.45695	0.54161	0.53651	8.97E+00	2.41E-01	1.80E-05	3.06E-02	1.02E+00	6.32E-02	9.35E-01	8.89E-01	1.04E+01
3654	493363.09	3850877.25	0.94106	0.52779	0.50875	0.55275	1.76038	0.45001	0.53272	0.52779	9.65E+00	2.38E-01	1.29E-05	2.86E-02	8.11E-01	6.22E-02	9.20E-01	8.75E-01	1.08E+01

3655	493863.09	3850877.25	0.98599	0.51935	0.45504	0.52566	1.41822	0.44167	0.52413	0.51935	1.01E+01	2.34E-01	1.15E-05	2.72E-02	6.54E-01	6.11E-02	9.05E-01	8.61E-01	1.11E+01
3656	494363.09	3850877.25	1.02078	0.5112	0.52347	0.54152	1.5707	0.4366	0.51584	0.5112	1.05E+01	2.30E-01	1.33E-05	2.80E-02	7.24E-01	6.04E-02	8.91E-01	8.47E-01	1.16E+01
3657	494863.09	3850877.25	1.05443	0.50332	0.71577	0.69691	2.67792	0.43528	0.50783	0.50332	1.08E+01	2.27E-01	1.82E-05	3.61E-02	1.23E+00	6.02E-02	8.77E-01	8.34E-01	1.24E+01
3658	495363.09	3850877.25	1.08887	0.4957	0.89522	0.93257	2.19501	0.43499	0.50009	0.4957	1.12E+01	2.23E-01	2.27E-05	4.83E-02	1.01E+00	6.01E-02	8.63E-01	8.21E-01	1.26E+01
3659	495863.09	3850877.25	1.11895	0.48832	0.92851	0.73451	3.37391	0.43402	0.49259	0.48832	1.15E+01	2.20E-01	2.36E-05	3.80E-02	1.55E+00	6.00E-02	8.50E-01	8.09E-01	1.34E+01
3660	496363.09	3850877.25	1.13379	0.48118	0.80685	0.80387	3.5047	0.46737	0.48534	0.48118	1.16E+01	2.17E-01	2.05E-05	4.16E-02	1.62E+00	6.46E-02	8.38E-01	7.97E-01	1.36E+01
3661	496863.09	3850877.25	1.12111	0.47424	0.60501	0.97813	2.56735	0.52224	0.47831	0.47424	1.15E+01	2.13E-01	1.53E-05	5.06E-02	1.18E+00	7.22E-02	8.26E-01	7.86E-01	1.31E+01
3662	497363.09	3850877.25	1.0753	0.46751	0.51547	0.6861	1.994	0.54342	0.47149	0.46751	1.10E+01	2.10E-01	1.31E-05	3.55E-02	9.19E-01	7.51E-02	8.14E-01	7.75E-01	1.23E+01
3663	497863.09	3850877.25	1.0031	0.46097	0.5429	0.74013	2.30496	0.49592	0.46486	0.46097	1.03E+01	2.07E-01	1.38E-05	3.83E-02	1.06E+00	6.86E-02	8.03E-01	7.64E-01	1.17E+01
3664	498363.09	3850877.25	0.92096	0.4546	0.56287	0.70487	1.91375	0.42972	0.45842	0.4546	9.44E+00	2.05E-01	1.43E-05	3.65E-02	8.82E-01	5.94E-02	7.91E-01	7.53E-01	1.07E+01
3665	471363.09	3851377.25	1.65138	0.77956	1.01055	1.71487	3.51028	1.19776	0.7861	0.77956	1.69E+01	3.51E-01	2.56E-05	8.88E-02	1.62E+00	1.66E-01	1.36E+00	1.29E+00	1.92E+01
3666	471863.09	3851377.25	1.87085	0.86837	1.272	1.94276	3.62187	1.32315	1.03288	0.86837	1.92E+01	3.91E-01	3.23E-05	1.01E-01	1.67E+00	1.83E-01	1.78E+00	1.44E+00	2.19E+01
3667	472363.09	3851377.25	1.97465	0.87156	1.18979	1.48322	4.48147	1.09893	0.88318	0.87156	2.02E+01	3.92E-01	3.02E-05	7.68E-02	2.07E+00	1.52E-01	1.52E+00	1.44E+00	2.30E+01
3668	472863.09	3851377.25	2.00315	0.84647	1.25794	1.35894	4.39131	0.99194	0.8583	0.84647	2.05E+01	3.81E-01	3.19E-05	7.03E-02	2.02E+00	1.37E-01	1.48E+00	1.40E+00	2.32E+01
3669	473363.09	3851377.25	1.91458	0.83398	1.16757	1.19973	4.02336	0.89733	0.843	0.83398	1.96E+01	3.75E-01	2.96E-05	6.21E-02	1.85E+00	1.24E-01	1.46E+00	1.38E+00	2.21E+01
3670	473863.09	3851377.25	1.84738	0.90243	1.37684	1.03277	5.32312	0.80986	0.91459	0.90243	1.89E+01	4.06E-01	3.49E-05	5.35E-02	2.45E+00	1.12E-01	1.58E+00	1.50E+00	2.21E+01
3671	474363.09	3851377.25	2.03256	1.05273	2.04207	1.17212	5.23619	1.05875	1.05899	1.05273	2.08E+01	4.74E-01	5.18E-05	6.07E-02	2.41E+00	1.46E-01	1.83E+00	1.74E+00	2.40E+01
3672	474863.09	3851377.25	2.3969	1.45753	2.39925	1.27537	3.85517	1.48542	1.47235	1.45753	2.46E+01	6.56E-01	6.09E-05	6.60E-02	1.78E+00	2.05E-01	2.54E+00	2.42E+00	2.74E+01
3673	475363.09	3851377.25	2.66249	2.11202	3.38205	1.35982	3.02342	1.72087	1.63695	2.11202	2.73E+01	9.51E-01	8.58E-05	7.04E-02	1.39E+00	2.38E-01	2.83E+00	3.50E+00	2.93E+01
3674	475863.09	3851377.25	3.09228	2.06217	4.17728	1.83909	1.98045	1.85753	1.69405	2.06217	3.17E+01	9.28E-01	1.06E-04	9.52E-02	9.13E-01	2.57E-01	2.92E+00	3.42E+00	3.34E+01
3675	476363.09	3851377.25	3.86035	1.62394	4.54685	1.90426	3.80035	2.58555	1.5812	1.62394	3.96E+01	7.31E-01	1.15E-04	9.86E-02	1.75E+00	3.57E-01	2.73E+00	2.69E+00	4.26E+01
3676	476863.09	3851377.25	4.43255	2.61242	5.93865	1.8319	5.9507	2.44472	2.12538	2.61242	4.55E+01	1.18E+00	1.51E-04	9.48E-02	2.74E+00	3.38E-01	3.67E+00	4.33E+00	4.91E+01
3677	477363.09	3851377.25	4.56734	3.85655	9.36906	2.16867	5.4225	2.64321	2.09469	3.85655	4.68E+01	1.74E+00	2.38E-04	1.12E-01	2.50E+00	3.65E-01	3.62E+00	6.39E+00	4.88E+01
3678	477863.09	3851377.25	4.42118	3.14236	8.47676	3.32872	4.99544	2.91153	2.57875	3.14236	4.53E+01	1.41E+00	2.15E-04	1.72E-01	2.30E+00	4.03E-01	4.45E+00	5.21E+00	4.89E+01
3679	478363.09	3851377.25	3.91494	2.4253	3.70589	3.91846	7.61757	2.97065	2.70161	2.4253	4.01E+01	1.09E+00	9.40E-05	2.03E-01	3.51E+00	4.11E-01	4.66E+00	4.02E+00	4.60E+01
3680	478863.09	3851377.25	3.13751	2.81896	6.70039	4.73135	8.61238	3.17817	3.08226	2.81896	3.22E+01	1.27E+00	1.70E-04	2.45E-01	3.97E+00	4.39E-01	5.32E+00	4.67E+00	3.87E+01
3681	479363.09	3851377.25	3.32608	3.41196	5.8356	4.0239	6.91312	2.43373	3.48035	3.41196	3.41E+01	1.54E+00	1.48E-04	2.08E-01	3.19E+00	3.36E-01	6.01E+00	5.65E+00	3.97E+01
3682	479863.09	3851377.25	3.92174	4.6189	2.88953	2.74639	3.74233	3.79377	4.68418	4.6189	4.02E+01	2.08E+00	7.33E-05	1.42E-01	1.72E+00	5.24E-01	8.09E+00	7.65E+00	4.51E+01
3683	480363.09	3851377.25	5.63461	9.05312	1.40928	5.17283	5.16569	4.32963	9.27996	9.05312	5.78E+01	4.07E+00	3.58E-05	2.68E-01	2.38E+00	5.99E-01	1.60E+01	1.50E+01	6.61E+01
3684	480863.09	3851377.25	8.35974	20.23126	3.20016	3.03356	6.55479	3.53978	20.4283	20.23126	8.57E+01	9.10E+00	8.12E-05	1.57E-01	3.02E+00	4.89E-01	3.53E+01	3.35E+01	1.00E+02
3685	481363.09	3851377.25	6.32516	9.62909	7.33355	2.86115	4.36951	3.01812	7.15131	9.62909	6.49E+01	4.33E+00	1.86E-04	1.48E-01	2.01E+00	4.17E-01	1.23E+01	1.60E+01	6.82E+01
3686	481863.09	3851377.25	5.92535	4.89219	4.85398	3.73229	2.86633	2.69002	4.9192	4.89219	6.08E+01	2.20E+00	1.23E-04	1.93E-01	1.32E+00	3.72E-01	8.49E+00	8.11E+00	6.52E+01
3687	482363.09	3851377.25	6.01376	3.86189	2.76763	3.8545	12.12465	2.56311	3.87046	3.86189	6.17E+01	1.74E+00	7.02E-05	2.00E-01	5.59E+00	3.54E-01	6.68E+00	6.40E+00	6.98E+01
3688	482863.09	3851377.25	6.15322	2.99206	2.04391	2.69436	12.74948	1.86725	3.00384	2.99206	6.31E+01	1.35E+00	5.18E-05	1.39E-01	5.88E+00	2.58E-01	5.19E+00	4.96E+00	7.09E+01
3689	483363.09	3851377.25	4.39752	2.26486	1.21588	1.27397	2.69604	0.939	2.27778	2.26486	4.51E+01	1.02E+00	3.08E-05	6.59E-02	1.24E+00	1.30E-01	3.93E+00	3.75E+00	4.77E+01
3690	483863.09	3851377.25	2.82401	1.86269	1.10131	0.97858	1.63595	1.23814	1.87433	1.86269	2.90E+01	8.38E-01	2.79E-05	5.07E-02	7.54E-01	1.71E-01	3.24E+00	3.09E+00	3.09E+01
3691	484363.09	3851377.25	2.93281	2.05222	1.87452	1.00606	11.92999	1.74885	2.06903	2.05222	3.01E+01	9.24E-01	4.76E-05	5.21E-02	5.50E+00	2.42E-01	3.57E+00	3.40E+00	3.70E+01
3692	484863.09	3851377.25	2.89148	1.40913	0.84875	1.02138	5.3906	1.25404	1.41778	1.40913	2.96E+01	6.34E-01	2.15E-05	5.29E-02	2.48E+00	1.73E-01	2.45E+00	2.33E+00	3.31E+01
3693	485363.09	3851377.25	2.76372	1.61565	1.60563	1.44947	7.99973	1.37991	1.62619	1.61565	2.83E+01	7.27E-01	4.07E-05	7.50E-02	3.69E+00	1.91E-01	2.81E+00	2.68E+00	3.31E+01
3694	485863.09	3851377.25	2.4571	1.40669	1.39088	1.47586	10.21496	0.83516	1.41587	1.40669	2.52E+01	6.33E-01	3.53E-05	7.64E-02	4.71E+00	1.15E-01	2.44E+00	2.33E+00	3.08E+01
3695	486363.09	3851377.25	2.59272	1.37391	1.32463	1.66222	6.19977	0.61221	1.38303	1.37391	2.66E+01	6.18E-01	3.36E-05	8.60E-02	2.86E+00	8.46E-02	2.39E+00	2.28E+00	3.03E+01
3696	486863.09	3851377.25	2.17735	1.31167	1.34974	1.30367	6.19585	0.67819	1.32204	1.31167	2.23E+01	5.90E-01	3.42E-05	6.75E-02	2.86E+00	9.38E-02	2.28E+00	2.17E+00	2.60E+01
3697	487363.09	3851377.25	1.20912	1.23272	1.22673	0.81538	2.99483	0.65785	1.24429	1.23272	1.24E+01	5.55E-01	3.11E-05	4.22E-02	1.38E+00	9.09E-02	2.15E+00	2.04E+00	1.46E+01
3698	487863.09	3851377.25	1.2237	1.16	1.00638	0.77521	5.88828	0.67853	1.1714	1.16	1.25E+01	5.22E-01	2.55E-05	4.01E-02	2.71E+00	9.38E-02	2.02E+00	1.92E+00	1.60E+01
3699	488363.09	3851377.25	1.30858	1.08341	1.31133	0.70472	8.24763	0.67267	1.09443	1.08341	1.34E+01	4.88E-01	3.33E-05	3.65E-02	3.80E+00	9.30E-02	1.89E+00	1.80E+00	1.79E+01
3700	488863.09	3851377.25	1.22676	1.0107	1.37986	0.88127	3.2403	0.67093	1.02158	1.0107	1.26E+01	4.55E-01	3.50E-05	4.56E-02	1.49E+00	9.28E-02	1.76E+00	1.67E+00	1.48E+01
3701	489363.09	3851377.25	1.0474	0.94589	0.99363	1.00312	4.84671	0.50956	0.95576	0.94589	1.07E+01	4.26E-01	2.52E-05	5.19E-02	2.23E+00	7.04E-02	1.65E+00	1.57E+00	1.36E+01
3702	489863.09	3851377.25	1.10981	0.88975	1.04872	0.80929	4.34825	0.50434	0.89845	0.88975	1.14E+01	4.00E-01	2.66E-05	4.19E-02	2.00E+00	6.97E-02	1.55E+00	1.47E+00	1.40E+01
3703	490363.09	3851377.25	1.16478	0.84129	1.10602	0.73785	2.39392	0.55283	0.8488	0.84129	1.19E+01	3.79E-01	2.81E-05	3.82E-02	1.10E+00	7.64E-02	1.47E+00	1.39E+00	1.36E+01
3704	490863.09	3851377.25	1.2007	0.78138	1.13894	0.89092	4.25029	0.47571	0.78767	0.78138	1.23E+01	3.52E-01	2.89E-05	4.61E-02	1.96E+00	6.58E-02	1.36E+00	1.29E+00	1.48E+01
3705	491363.09	3851377.25	1.18369	0.71502	0.98522	0.79519	4.33109	0.46576	0.72042	0.71502	1.21E+01	3.22E-01	2.50E-05	4.12E-02	2.00E+00	6.44E-02	1.24E+00	1.18E+00	1.46E+01
3706	491863.09	3851377.25	1.00535	0.52767	0.69065	0.70318	2.69341	0.46304	0.53425	0.52767	1.03E+01	2.37E-01	1.75E-05	3.64E-02	1.24E+00	6.40E-02	9.22E-01	8.74E-01	1.19E+01
3707	492363.09	3851377.25	1.05766	0.46936	0.62841	0.66499	2.55979	0.45504	0.47322	0.46936	1.08E+01	2.11E-01	1.59E-05	3.44E-02	1.18E+00	6.29E-02	8.17E-01	7.78E-01	1.24E+01
3708	492863.09	3851377.25	1.08887	0.46353	0.50693	0.58053	2.81894	0.44535	0.46731	0.46353	1.12E+01	2.09E-01	1.29E-05	3.01E-02	1.30E+00	6.16E-02	8.07E-01	7.68E-01	1.28E+01
3709	493363.09	3851377.25	1.02554	0.45787	0.49431	0.53858	1.47964	0.44041	0.46157	0.45787	1.05E+01	2.06E-01	1.25E-05	2.79E-02	6.82E-01	6.09E-02	7.97E-01	7.59E-01	1.15E+01
3710	493863.09	3851377.25	1.05906	0.45235	0.72553	0.54907	1.63791	0.4399	0.45598	0.45235	1.09E+01	2.04E-01	1.84E-05	2.84E-02	7.55E-01	6.08E-02	7.87E-01	7.50E-01	1.19E+01
3711	494363.09	3851377.25	1.09433	0.44695	0.94364	0.66959	2.73345	0.43998	0.45052	0.44695	1.12E+01	2.01E-01	2.39E-05	3.47E-02	1.26E+00	6.08E-02	7.78E-01	7.41E-01	1.28E+01
3712	494863.09	3851377.25	1.12518	0.44165	0.96573	0.94377	2.68865	0.43898	0.44517	0.44165	1.15E+01	1.99E-01	2.45E-05	4.89E-02	1.24E+00	6.07E-02	7.69E-01	7.32E-01	1.31E+01
3713	495363.09	3851377.25	1.13939	0.50272	0.81599	0.86765	3.65245	0.49693	0.50664	0.50272	1.17E+01	2.26E-01	2.07E-05	4.49E-02	1.68E+00	6.87E-02	8.75E-01	8.33E-01	1.37E+01

3714	495863.09	3851377.25	1.12342	0.46758	0.57989	1.00732	3.36885	0.48898	0.47173	0.46758	1.15E+01	2.10E-01	1.47E-05	5.21E-02	1.55E+00	6.76E-02	8.14E-01	7.75E-01	1.34E+01
3715	496363.09	3851377.25	1.09021	0.46336	0.59903	1.19586	2.15131	0.54317	0.46749	0.46336	1.12E+01	2.09E-01	1.52E-05	6.19E-02	9.91E-01	7.51E-02	8.07E-01	7.68E-01	1.26E+01
3716	496863.09	3851377.25	1.17249	0.45633	0.60982	0.75574	2.55126	0.54384	0.46018	0.45633	1.20E+01	2.05E-01	1.55E-05	3.91E-02	1.18E+00	7.52E-02	7.95E-01	7.56E-01	1.36E+01
3717	497363.09	3851377.25	1.24991	0.43093	0.61564	0.92808	2.42791	0.47559	0.43264	0.43093	1.28E+01	1.94E-01	1.56E-05	4.80E-02	1.12E+00	6.58E-02	7.47E-01	7.14E-01	1.43E+01
3718	497863.09	3851377.25	0.83271	0.41142	0.6193	0.80378	1.88335	0.4315	0.41481	0.41142	8.54E+00	1.85E-01	1.57E-05	4.16E-02	8.68E-01	5.97E-02	7.16E-01	6.82E-01	9.73E+00
3719	498363.09	3851377.25	0.78007	0.40658	0.62253	0.61501	2.5394	0.43598	0.41	0.40658	8.00E+00	1.83E-01	1.58E-05	3.18E-02	1.17E+00	6.03E-02	7.08E-01	6.74E-01	9.48E+00
3720	471363.09	3851877.25	2.85254	0.78266	1.53497	1.8294	3.03697	1.49965	0.8206	0.78266	2.93E+01	3.52E-01	3.89E-05	9.47E-02	1.40E+00	2.07E-01	1.42E+00	1.30E+00	3.14E+01
3721	471863.09	3851877.25	2.54795	0.84554	1.37455	1.88952	3.40668	1.46651	0.8424	0.84554	2.61E+01	3.81E-01	3.49E-05	9.78E-02	1.57E+00	2.03E-01	1.45E+00	1.40E+00	2.84E+01
3722	472363.09	3851877.25	2.27952	0.87779	1.21238	2.54376	3.92328	1.6494	1.11165	0.87779	2.34E+01	3.95E-01	3.08E-05	1.32E-01	1.81E+00	2.28E-01	1.92E+00	1.45E+00	2.64E+01
3723	472863.09	3851877.25	1.99497	0.83551	1.34927	2.70947	3.77826	1.71231	1.28783	0.83551	2.05E+01	3.76E-01	3.42E-05	1.40E-01	1.74E+00	2.37E-01	2.22E+00	1.38E+00	2.38E+01
3724	473363.09	3851877.25	2.04522	0.82859	1.0547	2.26012	4.13332	1.47882	1.09318	0.82859	2.10E+01	3.73E-01	2.68E-05	1.17E-01	1.90E+00	2.04E-01	1.89E+00	1.37E+00	2.41E+01
3725	473863.09	3851877.25	2.09937	0.88854	1.01474	1.86343	4.76508	1.30921	0.97997	0.88854	2.15E+01	4.00E-01	2.57E-05	9.65E-02	2.20E+00	1.81E-01	1.69E+00	1.47E+00	2.46E+01
3726	474363.09	3851877.25	2.1415	0.92325	1.44438	1.60379	4.44625	1.18521	0.93702	0.92325	2.20E+01	4.16E-01	3.66E-05	8.30E-02	2.05E+00	1.64E-01	1.62E+00	1.53E+00	2.48E+01
3727	474863.09	3851877.25	2.09008	0.99697	1.94854	1.37959	5.783	1.22003	1.06662	0.99697	2.14E+01	4.49E-01	4.94E-05	7.14E-02	2.67E+00	1.69E-01	1.84E+00	1.65E+00	2.50E+01
3728	475363.09	3851877.25	2.22244	1.20329	2.3908	1.26446	6.02316	1.34475	1.2206	1.20329	2.28E+01	5.42E-01	6.06E-05	6.55E-02	2.78E+00	1.86E-01	2.11E+00	1.99E+00	2.65E+01
3729	475863.09	3851877.25	2.65075	1.6091	2.76178	1.32724	4.73763	1.54639	1.34388	1.6091	2.72E+01	7.24E-01	7.01E-05	6.87E-02	2.18E+00	2.14E-01	2.32E+00	2.67E+00	3.00E+01
3730	476363.09	3851877.25	2.95341	2.03889	3.18695	1.43994	3.64733	1.53993	1.32125	2.03889	3.03E+01	9.18E-01	8.08E-05	7.45E-02	1.68E+00	2.13E-01	2.28E+00	3.38E+00	3.21E+01
3731	476863.09	3851877.25	3.7607	1.84713	3.97228	1.87946	2.2417	1.91195	1.46845	1.84713	3.86E+01	8.31E-01	1.01E-04	9.73E-02	1.03E+00	2.64E-01	2.54E+00	3.06E+00	4.03E+01
3732	477363.09	3851877.25	4.52919	1.87206	4.50983	1.90612	4.53418	2.52163	1.89369	1.87206	4.64E+01	8.43E-01	1.14E-04	9.87E-02	2.09E+00	3.49E-01	3.27E+00	3.10E+00	5.00E+01
3733	477863.09	3851877.25	4.97324	3.49062	7.39073	1.94165	7.12444	2.22033	1.80228	3.49062	5.10E+01	1.57E+00	1.87E-04	1.01E-01	3.28E+00	3.07E-01	3.11E+00	5.78E+00	5.36E+01
3734	478363.09	3851877.25	5.10245	3.64875	9.30858	2.84296	7.34576	2.77565	2.45475	3.64875	5.23E+01	1.64E+00	2.36E-04	1.47E-01	3.39E+00	3.84E-01	4.24E+00	6.05E+00	5.61E+01
3735	478863.09	3851877.25	4.75458	2.36679	5.96033	4.01085	7.14543	3.10848	2.70668	2.36679	4.88E+01	1.07E+00	1.51E-04	2.08E-01	3.29E+00	4.30E-01	4.67E+00	3.92E+00	5.45E+01
3736	479363.09	3851877.25	3.85994	2.16204	6.61848	4.60966	9.38109	3.43769	3.13994	2.16204	3.96E+01	9.73E-01	1.68E-04	2.39E-01	4.32E+00	4.75E-01	5.42E+00	3.58E+00	4.74E+01
3737	479863.09	3851877.25	3.50351	2.4895	7.37694	5.66386	9.02539	3.53273	3.61943	2.4895	3.59E+01	1.12E+00	1.87E-04	2.93E-01	4.16E+00	4.88E-01	6.25E+00	4.12E+00	4.41E+01
3738	480363.09	3851877.25	4.36734	2.92239	3.30867	2.87821	5.78341	4.73457	2.98371	2.92239	4.48E+01	1.32E+00	8.39E-05	1.49E-01	2.67E+00	6.55E-01	5.15E+00	4.84E+00	4.99E+01
3739	480863.09	3851877.25	6.18013	4.77427	1.54884	5.82139	4.94914	4.41978	4.85314	4.77427	6.34E+01	2.15E+00	3.93E-05	3.01E-01	2.28E+00	6.11E-01	8.38E+00	7.91E+00	6.92E+01
3740	481363.09	3851877.25	7.51934	9.87091	7.53274	3.51175	7.29888	3.96625	9.98482	9.87091	7.71E+01	4.44E+00	1.91E-04	1.82E-01	3.36E+00	5.48E-01	1.72E+01	1.64E+01	8.65E+01
3741	481863.09	3851877.25	7.29031	12.67927	5.39641	3.13356	5.32815	3.14929	12.8145	12.67927	7.48E+01	5.71E+00	1.37E-04	1.62E-01	2.46E+00	4.35E-01	2.21E+01	2.10E+01	8.46E+01
3742	482363.09	3851877.25	6.19921	6.66962	4.87955	4.64938	2.88314	2.83051	6.69172	6.66962	6.36E+01	3.00E+00	1.24E-04	2.41E-01	1.33E+00	3.91E-01	1.16E+01	1.11E+01	6.90E+01
3743	482863.09	3851877.25	6.60082	3.74286	1.77574	2.76208	12.05019	1.73722	3.74822	3.74286	6.77E+01	1.68E+00	4.50E-05	1.43E-01	5.55E+00	2.40E-01	6.47E+00	6.20E+00	7.56E+01
3744	483363.09	3851877.25	6.06739	3.4459	1.86638	2.49783	12.75598	1.64408	3.45198	3.4459	6.22E+01	1.55E+00	4.73E-05	1.29E-01	5.88E+00	2.27E-01	5.96E+00	5.71E+00	7.03E+01
3745	483863.09	3851877.25	4.48509	2.69024	1.47754	2.07543	2.22092	1.58883	2.70304	2.69024	4.60E+01	1.21E+00	3.75E-05	1.07E-01	1.02E+00	2.20E-01	4.67E+00	4.46E+00	4.88E+01
3746	484363.09	3851877.25	3.07215	2.512	2.08694	1.76564	10.85194	2.02156	2.52153	2.512	3.15E+01	1.13E+00	5.29E-05	9.14E-02	5.00E+00	2.79E-01	4.35E+00	4.16E+00	3.82E+01
3747	484863.09	3851877.25	3.00735	2.277	1.53106	1.06671	11.15282	1.95688	2.28918	2.277	3.08E+01	1.02E+00	3.88E-05	5.52E-02	5.14E+00	2.71E-01	3.95E+00	3.77E+00	3.75E+01
3748	485363.09	3851877.25	3.04444	2.253	1.5331	1.491	6.5257	1.7744	2.2663	2.253	3.12E+01	1.01E+00	3.89E-05	7.72E-02	3.01E+00	2.45E-01	3.91E+00	3.73E+00	3.57E+01
3749	485863.09	3851877.25	3.35563	2.03568	1.66677	1.81515	11.00891	1.32875	2.05061	2.03568	3.44E+01	9.16E-01	4.23E-05	9.40E-02	5.07E+00	1.84E-01	3.54E+00	3.37E+00	4.08E+01
3750	486363.09	3851877.25	2.96468	1.60834	1.34743	1.7342	7.05163	0.70259	1.62122	1.60834	3.04E+01	7.24E-01	3.42E-05	8.98E-02	3.25E+00	9.71E-02	2.80E+00	2.66E+00	3.47E+01
3751	486863.09	3851877.25	2.42899	1.34932	1.26987	1.49043	7.57223	0.69695	1.35753	1.34932	2.49E+01	6.07E-01	3.22E-05	7.72E-02	3.49E+00	9.64E-02	2.34E+00	2.24E+00	2.93E+01
3752	487363.09	3851877.25	1.77733	1.34829	1.33606	1.06695	3.68937	0.66965	1.35701	1.34829	1.82E+01	6.07E-01	3.39E-05	5.52E-02	1.70E+00	9.26E-02	2.34E+00	2.23E+00	2.08E+01
3753	487863.09	3851877.25	1.19324	1.32957	1.41979	0.74923	6.30663	0.69278	1.34025	1.32957	1.22E+01	5.98E-01	3.60E-05	3.88E-02	2.91E+00	9.58E-02	2.31E+00	2.20E+00	1.60E+01
3754	488363.09	3851877.25	1.31926	1.30594	1.41555	0.64141	8.04628	0.65684	1.3169	1.30594	1.35E+01	5.88E-01	3.59E-05	3.32E-02	3.71E+00	9.08E-02	2.27E+00	2.16E+00	1.81E+01
3755	488863.09	3851877.25	1.20554	1.26467	1.14682	0.90148	3.51629	0.51616	1.27478	1.26467	1.24E+01	5.69E-01	2.91E-05	4.67E-02	1.62E+00	7.14E-02	2.20E+00	2.10E+00	1.48E+01
3756	489363.09	3851877.25	1.12696	1.18749	1.22973	1.03561	5.36188	0.50384	1.19616	1.18749	1.16E+01	5.34E-01	3.12E-05	5.36E-02	2.47E+00	6.97E-02	2.07E+00	1.97E+00	1.48E+01
3757	489863.09	3851877.25	1.17995	1.0234	1.19972	0.8165	3.47534	0.476	1.03089	1.0234	1.21E+01	4.61E-01	3.04E-05	4.23E-02	1.60E+00	6.58E-02	1.78E+00	1.70E+00	1.44E+01
3758	490363.09	3851877.25	1.20786	0.92222	0.97344	0.74687	3.57421	0.4701	0.93114	0.92222	1.24E+01	4.15E-01	2.47E-05	3.87E-02	1.65E+00	6.50E-02	1.61E+00	1.53E+00	1.46E+01
3759	490863.09	3851877.25	1.17269	0.87713	0.88976	0.93146	4.80619	0.4696	0.8837	0.87713	1.20E+01	3.95E-01	2.26E-05	4.82E-02	2.21E+00	6.49E-02	1.53E+00	1.45E+00	1.48E+01
3760	491363.09	3851877.25	1.06532	0.84411	0.94311	0.77717	5.44228	0.45978	0.8505	0.84411	1.09E+01	3.80E-01	2.39E-05	4.02E-02	2.51E+00	6.36E-02	1.47E+00	1.40E+00	1.40E+01
3761	491863.09	3851877.25	1.05269	0.77993	0.74875	0.81295	5.46505	0.4496	0.78551	0.77993	1.08E+01	3.51E-01	1.90E-05	4.21E-02	2.52E+00	6.22E-02	1.36E+00	1.29E+00	1.38E+01
3762	492363.09	3851877.25	1.09184	0.72532	0.71845	0.66135	3.87184	0.44602	0.73113	0.72532	1.12E+01	3.26E-01	1.82E-05	3.42E-02	1.78E+00	6.17E-02	1.26E+00	1.20E+00	1.35E+01
3763	492863.09	3851877.25	1.09891	0.424	0.76133	0.56608	2.94185	0.44531	0.4275	0.424	1.13E+01	1.91E-01	1.93E-05	2.93E-02	1.36E+00	6.16E-02	7.38E-01	7.03E-01	1.29E+01
3764	493363.09	3851877.25	1.09993	0.5237	1.0095	0.75034	3.42771	0.44539	0.52979	0.5237	1.13E+01	2.36E-01	2.56E-05	3.88E-02	1.58E+00	6.16E-02	9.15E-01	8.68E-01	1.32E+01
3765	493863.09	3851877.25	1.1672	0.73072	1.02566	0.92826	2.79406	0.52325	0.73665	0.73072	1.20E+01	3.29E-01	2.60E-05	4.81E-02	1.29E+00	7.23E-02	1.27E+00	1.21E+00	1.38E+01
3766	494363.09	3851877.25	1.14504	0.67651	0.8061	0.98584	3.18533	0.44325	0.68158	0.67651	1.17E+01	3.04E-01	2.04E-05	5.10E-02	1.47E+00	6.13E-02	1.18E+00	1.12E+00	1.37E+01
3767	494863.09	3851877.25	1.16148	0.68116	0.65836	1.18729	3.80507	0.49154	0.68684	0.68116	1.19E+01	3.07E-01	1.67E-05	6.15E-02	1.75E+00	6.80E-02	1.19E+00	1.13E+00	1.42E+01
3768	495363.09	3851877.25	1.24596	0.65827	0.79	1.10052	3.09307	0.56964	0.66377	0.65827	1.28E+01	2.96E-01	2.00E-05	5.70E-02	1.43E+00	7.88E-02	1.15E+00	1.09E+00	1.47E+01
3769	495863.09	3851877.25	1.32449	0.62915	0.77542	1.32155	2.69454	0.56238	0.63461	0.62915	1.36E+01	2.83E-01	1.97E-05	6.84E-02	1.24E+00	7.78E-02	1.10E+00	1.04E+00	1.53E+01
3770	496363.09	3851877.25	1.39456	0.5925	0.64311	0.7652	2.89292	0.53436	0.59746	0.5925	1.43E+01	2.67E-01	1.63E-05	3.96E-02	1.33E+00	7.39E-02	1.03E+00	9.82E-01	1.61E+01
3771	496863.09	3851877.25	1.45779	0.55572	0.64215	1.01061	2.33458	0.45216	0.56036	0.55572	1.49E+01	2.50E-01	1.63E-05	5.23E-02	1.08E+00	6.25E-02	9.67E-01	9.21E-01	1.64E+01
3772	497363.09	3851877.25	1.51407	0.51802	0.64378	0.99762	2.52847	0.44089	0.52202	0.51802	1.55E+01	2.33E-01	1.63E-05	5.16E-02	1.17E+00	6.10E-02	9.01E-01	8.58E-01	1.71E+01

3773	497863.09	3851877.25	0.94755	0.42312	0.64583	0.64244	3.47081	0.4622	0.42635	0.42312	9.72E+00	1.90E-01	1.64E-05	3.33E-02	1.60E+00	6.39E-02	7.36E-01	7.01E-01	1.16E+01
3774	498363.09	3851877.25	0.80438	0.37329	0.64501	0.89745	5.10357	0.518	0.37879	0.37329	8.25E+00	1.68E-01	1.64E-05	4.65E-02	2.35E+00	7.16E-02	6.54E-01	6.19E-01	1.09E+01
3775	471363.09	3852377.25	3.82878	0.76948	1.78822	1.61517	5.85916	1.38079	0.7749	0.76948	3.93E+01	3.46E-01	4.54E-05	8.36E-02	2.70E+00	1.91E-01	1.34E+00	1.27E+00	4.26E+01
3776	471863.09	3852377.25	3.63825	0.83223	1.81172	1.72369	5.34824	1.38287	0.8395	0.83223	3.73E+01	3.75E-01	4.60E-05	8.92E-02	2.46E+00	1.91E-01	1.45E+00	1.38E+00	4.05E+01
3777	472363.09	3852377.25	3.41788	0.82519	1.79653	1.76583	4.50515	1.43637	0.83261	0.82519	3.50E+01	3.71E-01	4.56E-05	9.14E-02	2.08E+00	1.99E-01	1.44E+00	1.37E+00	3.79E+01
3778	472863.09	3852377.25	3.1762	0.83057	1.74253	2.1184	3.47338	1.61958	0.82578	0.83057	3.26E+01	3.74E-01	4.42E-05	1.10E-01	1.60E+00	2.24E-01	1.43E+00	1.38E+00	3.49E+01
3779	473363.09	3852377.25	2.90432	0.93748	1.97143	2.51039	4.11738	1.7581	1.02851	0.93748	2.98E+01	4.22E-01	5.00E-05	1.30E-01	1.90E+00	2.43E-01	1.78E+00	1.55E+00	3.27E+01
3780	473863.09	3852377.25	2.6062	0.88423	1.83244	2.7103	4.32267	1.81296	1.16689	0.88423	2.67E+01	3.98E-01	4.65E-05	1.40E-01	1.99E+00	2.51E-01	2.01E+00	1.47E+00	3.01E+01
3781	474363.09	3852377.25	2.2962	0.89671	1.60848	2.85574	4.05152	1.83177	1.29857	0.89671	2.35E+01	4.04E-01	4.08E-05	1.48E-01	1.87E+00	2.53E-01	2.24E+00	1.49E+00	2.70E+01
3782	474863.09	3852377.25	2.31512	0.88577	1.5245	3.0377	5.45142	1.91835	1.58266	0.88577	2.37E+01	3.99E-01	3.87E-05	1.57E-01	2.51E+00	2.65E-01	2.73E+00	1.47E+00	2.83E+01
3783	475363.09	3852377.25	2.34982	0.80696	1.67832	2.85862	5.65495	1.91555	1.58678	0.80696	2.41E+01	3.63E-01	4.26E-05	1.48E-01	2.61E+00	2.65E-01	2.74E+00	1.34E+00	2.89E+01
3784	475863.09	3852377.25	2.30784	0.93532	1.87543	2.48572	5.77721	1.76118	1.47701	0.93532	2.37E+01	4.21E-01	4.76E-05	1.29E-01	2.66E+00	2.43E-01	2.55E+00	1.55E+00	2.81E+01
3785	476363.09	3852377.25	2.52827	0.95332	1.98178	1.92767	6.85105	1.47562	1.20488	0.95332	2.59E+01	4.29E-01	5.03E-05	9.98E-02	3.16E+00	2.04E-01	2.08E+00	1.58E+00	3.03E+01
3786	476863.09	3852377.25	3.05463	1.56174	2.33523	1.35118	5.78862	1.24208	1.3898	1.56174	3.13E+01	7.03E-01	5.92E-05	6.99E-02	2.67E+00	1.72E-01	2.40E+00	2.59E+00	3.47E+01
3787	477363.09	3852377.25	3.49755	1.81795	2.73271	1.54043	4.29486	1.37397	1.66198	1.81795	3.59E+01	8.18E-01	6.93E-05	7.97E-02	1.98E+00	1.90E-01	2.87E+00	3.01E+00	3.88E+01
3788	477863.09	3852377.25	4.51926	2.2127	2.65142	1.72116	2.22442	1.16264	2.23434	2.2127	4.63E+01	9.96E-01	6.73E-05	8.91E-02	1.03E+00	1.61E-01	3.86E+00	3.67E+00	4.88E+01
3789	478363.09	3852377.25	5.02145	1.16216	2.801	1.8937	3.96391	1.14909	1.17223	1.16216	5.15E+01	5.23E-01	7.11E-05	9.80E-02	1.83E+00	1.59E-01	2.02E+00	1.93E+00	5.42E+01
3790	478863.09	3852377.25	5.68914	2.37131	4.12583	2.51183	8.37156	1.49909	1.82915	2.37131	5.83E+01	1.07E+00	1.05E-04	1.30E-01	3.86E+00	2.07E-01	3.16E+00	3.93E+00	6.28E+01
3791	479363.09	3852377.25	5.64672	2.20154	5.48258	3.11262	7.65174	2.41673	2.25785	2.20154	5.79E+01	9.91E-01	1.39E-04	1.61E-01	3.53E+00	3.34E-01	3.90E+00	3.65E+00	6.32E+01
3792	479863.09	3852377.25	5.02652	1.71315	4.97624	4.44322	10.42499	3.32811	2.83046	1.71315	5.15E+01	7.71E-01	1.26E-04	2.30E-01	4.80E+00	4.60E-01	4.89E+00	2.84E+00	5.99E+01
3793	480363.09	3852377.25	3.6982	3.05466	9.42283	6.02001	10.87948	4.2599	4.18251	3.05466	3.79E+01	1.37E+00	2.39E-04	3.12E-01	5.01E+00	5.89E-01	7.22E+00	5.06E+00	4.74E+01
3794	480863.09	3852377.25	4.86113	2.7193	3.89121	5.76961	8.47991	5.68609	3.8237	2.7193	4.98E+01	1.22E+00	9.87E-05	2.99E-01	3.91E+00	7.86E-01	6.60E+00	4.51E+00	5.82E+01
3795	481363.09	3852377.25	6.88028	4.27244	1.76713	6.42823	4.51477	4.49238	4.65097	4.27244	7.06E+01	1.92E+00	4.48E-05	3.33E-01	2.08E+00	6.21E-01	8.03E+00	7.08E+00	7.65E+01
3796	481863.09	3852377.25	8.18288	11.12983	9.7093	4.55346	8.00616	4.49135	11.3097	11.12983	8.39E+01	5.01E+00	2.46E-04	2.36E-01	3.69E+00	6.21E-01	1.95E+01	1.84E+01	9.45E+01
3797	482363.09	3852377.25	6.38648	11.58341	6.99962	3.69225	6.60165	3.71749	11.6899	11.58341	6.55E+01	5.21E+00	1.78E-04	1.91E-01	3.04E+00	5.14E-01	2.02E+01	1.92E+01	7.54E+01
3798	482863.09	3852377.25	6.49481	6.16383	9.39599	4.7245	4.78889	3.59399	6.24651	6.16383	6.66E+01	2.77E+00	2.38E-04	2.45E-01	2.21E+00	4.97E-01	1.08E+01	1.02E+01	7.29E+01
3799	483363.09	3852377.25	7.15381	5.9004	2.83356	3.71484	16.76825	2.67588	5.94213	5.9004	7.34E+01	2.66E+00	7.19E-05	1.92E-01	7.73E+00	3.70E-01	1.03E+01	9.78E+00	8.48E+01
3800	483863.09	3852377.25	5.78604	4.10763	2.10273	2.35016	11.97	1.55967	4.11393	4.10763	5.93E+01	1.85E+00	5.33E-05	1.22E-01	5.52E+00	2.16E-01	7.10E+00	6.81E+00	6.73E+01
3801	484363.09	3852377.25	4.10538	3.33745	2.43606	2.69353	2.9531	1.96213	3.35715	3.33745	4.21E+01	1.50E+00	6.18E-05	1.39E-01	1.36E+00	2.71E-01	5.80E+00	5.53E+00	4.56E+01
3802	484863.09	3852377.25	3.69787	2.9788	2.68047	1.91022	20.74066	2.1062	2.98963	2.9788	3.79E+01	1.34E+00	6.80E-05	9.89E-02	9.56E+00	2.91E-01	5.16E+00	4.94E+00	4.94E+01
3803	485363.09	3852377.25	3.91541	2.42062	1.92071	1.60394	16.80206	1.9631	2.44126	2.42062	4.01E+01	1.09E+00	4.87E-05	8.30E-02	7.74E+00	2.71E-01	4.21E+00	4.01E+00	4.95E+01
3804	485863.09	3852377.25	4.06178	2.20213	2.4382	1.75298	10.40311	1.56981	2.21305	2.20213	4.16E+01	9.91E-01	6.19E-05	9.07E-02	4.79E+00	2.17E-01	3.82E+00	3.65E+00	4.79E+01
3805	486363.09	3852377.25	3.25639	1.93014	1.95905	1.83284	9.68076	0.91331	1.9388	1.93014	3.34E+01	8.69E-01	4.97E-05	9.49E-02	4.46E+00	1.26E-01	3.35E+00	3.20E+00	3.91E+01
3806	486863.09	3852377.25	2.638	1.71082	1.70964	1.65711	7.08194	0.71933	1.72058	1.71082	2.71E+01	7.70E-01	4.34E-05	8.58E-02	3.26E+00	9.94E-02	2.97E+00	2.83E+00	3.14E+01
3807	487363.09	3852377.25	1.75006	1.49348	2.14134	1.17408	3.18321	0.68058	1.50138	1.49348	1.79E+01	6.72E-01	5.43E-05	6.08E-02	1.47E+00	9.41E-02	2.59E+00	2.47E+00	2.04E+01
3808	487863.09	3852377.25	1.16811	1.2455	1.38908	0.73125	6.72221	0.71085	1.26003	1.2455	1.20E+01	5.61E-01	3.52E-05	3.79E-02	3.10E+00	9.83E-02	2.18E+00	2.06E+00	1.59E+01
3809	488363.09	3852377.25	1.32575	1.20167	1.58186	0.61165	7.70994	0.5938	1.21278	1.20167	1.36E+01	5.41E-01	4.01E-05	3.17E-02	3.55E+00	8.21E-02	2.09E+00	1.99E+00	1.79E+01
3810	488863.09	3852377.25	1.18037	0.96792	1.24365	0.9223	4.00032	0.52046	0.97596	0.96792	1.21E+01	4.36E-01	3.15E-05	4.77E-02	1.84E+00	7.20E-02	1.69E+00	1.60E+00	1.46E+01
3811	489363.09	3852377.25	1.19359	0.79008	0.9085	1.07096	5.44383	0.47567	0.79406	0.79008	1.22E+01	3.56E-01	2.30E-05	5.54E-02	2.51E+00	6.58E-02	1.37E+00	1.31E+00	1.53E+01
3812	489863.09	3852377.25	0.92274	0.63999	0.82304	0.82192	2.72347	0.47557	0.64395	0.63999	9.46E+00	2.88E-01	2.09E-05	4.25E-02	1.26E+00	6.57E-02	1.11E+00	1.06E+00	1.12E+01
3813	490363.09	3852377.25	0.97295	0.73611	0.85068	0.75031	4.75761	0.46287	0.74039	0.73611	9.98E+00	3.31E-01	2.16E-05	3.88E-02	2.19E+00	6.40E-02	1.28E+00	1.22E+00	1.27E+01
3814	490863.09	3852377.25	1.02073	0.77765	0.80235	0.94837	5.27662	0.45289	0.78229	0.77765	1.05E+01	3.50E-01	2.04E-05	4.91E-02	2.43E+00	6.26E-02	1.35E+00	1.29E+00	1.34E+01
3815	491363.09	3852377.25	1.11107	1.12411	0.81875	0.9017	5.96524	0.58222	1.13168	1.12411	1.14E+01	5.06E-01	2.08E-05	4.67E-02	2.75E+00	8.05E-02	1.95E+00	1.86E+00	1.49E+01
3816	491863.09	3852377.25	1.15356	1.09951	1.01317	0.85905	4.52374	0.49961	1.1056	1.09951	1.18E+01	4.95E-01	2.57E-05	4.45E-02	2.08E+00	6.91E-02	1.91E+00	1.82E+00	1.46E+01
3817	492363.09	3852377.25	1.18394	1.05753	1.10164	0.77341	3.26275	0.4781	1.06431	1.05753	1.21E+01	4.76E-01	2.79E-05	4.00E-02	1.50E+00	6.61E-02	1.84E+00	1.75E+00	1.43E+01
3818	492863.09	3852377.25	1.18416	1.04098	1.06699	0.90297	3.59901	0.51596	1.04754	1.04098	1.21E+01	4.68E-01	2.71E-05	4.67E-02	1.66E+00	7.13E-02	1.81E+00	1.72E+00	1.45E+01
3819	493363.09	3852377.25	1.24123	1.01373	0.93859	1.05826	2.84857	0.55149	1.02263	1.01373	1.27E+01	4.56E-01	2.38E-05	5.48E-02	1.31E+00	7.62E-02	1.77E+00	1.68E+00	1.47E+01
3820	493863.09	3852377.25	1.32239	0.96275	0.93914	1.17016	3.6294	0.54283	0.97102	0.96275	1.36E+01	4.33E-01	2.38E-05	6.06E-02	1.67E+00	7.50E-02	1.68E+00	1.60E+00	1.59E+01
3821	494363.09	3852377.25	1.39599	0.9083	0.93243	1.33529	3.80411	0.50245	0.91573	0.9083	1.43E+01	4.09E-01	2.37E-05	6.91E-02	1.75E+00	6.95E-02	1.58E+00	1.50E+00	1.67E+01
3822	494863.09	3852377.25	1.46634	0.87105	0.90822	1.35151	2.69073	0.53637	0.87887	0.87105	1.50E+01	3.92E-01	2.30E-05	7.00E-02	1.24E+00	7.42E-02	1.52E+00	1.44E+00	1.69E+01
3823	495363.09	3852377.25	1.53004	0.8309	1.06435	1.54153	3.35648	0.64184	0.839	0.8309	1.57E+01	3.74E-01	2.70E-05	7.98E-02	1.55E+00	8.87E-02	1.45E+00	1.38E+00	1.79E+01
3824	495863.09	3852377.25	1.58124	0.78936	0.79919	0.97791	2.93548	0.51415	0.79654	0.78936	1.62E+01	3.55E-01	2.03E-05	5.06E-02	1.35E+00	7.11E-02	1.38E+00	1.31E+00	1.81E+01
3825	496363.09	3852377.25	1.62539	0.7466	0.71293	1.05967	2.71334	0.44536	0.75271	0.7466	1.67E+01	3.36E-01	1.81E-05	5.49E-02	1.25E+00	6.16E-02	1.30E+00	1.24E+00	1.84E+01
3826	496863.09	3852377.25	1.6637	0.69372	0.66748	1.0992	3.71988	0.46803	0.69937	0.69372	1.71E+01	3.12E-01	1.69E-05	5.69E-02	1.71E+00	6.47E-02	1.21E+00	1.15E+00	1.93E+01
3827	497363.09	3852377.25	1.69127	0.62644	0.66283	0.76949	5.47586	0.52923	0.63112	0.62644	1.73E+01	2.82E-01	1.68E-05	3.98E-02	2.52E+00	7.32E-02	1.09E+00	1.04E+00	2.03E+01
3828	497863.09	3852377.25	0.85765	0.40122	0.64796	1.03819	6.73976	0.63076	0.40361	0.40122	8.79E+00	1.81E-01	1.64E-05	5.37E-02	3.11E+00	8.72E-02	6.97E-01	6.65E-01	1.23E+01
3829	498363.09	3852377.25	0.86606	0.3452	0.62245	1.06016	6.72114	0.74829	0.36282	0.3452	8.88E+00	1.55E-01	1.58E-05	5.49E-02	3.10E+00	1.03E-01	6.26E-01	5.72E-01	1.23E+01
3830	471363.09	3852877.25	4.59924	0.7717	1.65875	1.50097	7.10582	1.51364	0.77722	0.7717	4.72E+01	3.47E-01	4.21E-05	7.77E-02	3.27E+00	2.09E-01	1.34E+00	1.28E+00	5.11E+01
3831	471863.09	3852877.25	4.47856	0.82566	1.7655	1.63521	6.67284	1.47784	0.83679	0.82566	4.59E+01	3.72E-01	4.48E-05	8.46E-02	3.08E+00	2.04E-01	1.44E+00	1.37E+00	4.97E+01

3832	472363.09	3852877.25	4.33429	0.83531	1.80841	1.72809	6.31077	1.46116	0.82143	0.83531	4.44E+01	3.76E-01	4.59E-05	8.95E-02	2.91E+00	2.02E-01	1.42E+00	1.38E+00	4.81E+01
3833	472863.09	3852877.25	4.15935	0.8128	1.83376	1.76137	6.39692	1.46729	0.81366	0.8128	4.27E+01	3.66E-01	4.65E-05	9.12E-02	2.95E+00	2.03E-01	1.40E+00	1.35E+00	4.63E+01
3834	473363.09	3852877.25	3.96403	0.83142	2.00769	2.00376	5.99902	1.59912	0.84212	0.83142	4.06E+01	3.74E-01	5.09E-05	1.04E-01	2.76E+00	2.21E-01	1.45E+00	1.38E+00	4.42E+01
3835	473863.09	3852877.25	3.75878	0.88774	2.60358	2.67326	5.15789	1.84627	0.94117	0.88774	3.85E+01	4.00E-01	6.60E-05	1.38E-01	2.38E+00	2.55E-01	1.62E+00	1.47E+00	4.19E+01
3836	474363.09	3852877.25	3.54995	1.11138	2.61992	2.75708	4.0241	1.88418	1.11336	1.11138	3.64E+01	5.00E-01	6.65E-05	1.43E-01	1.85E+00	2.60E-01	1.92E+00	1.84E+00	3.92E+01
3837	474863.09	3852877.25	3.22805	0.99003	2.54893	2.79202	4.73604	1.86782	1.05296	0.99003	3.31E+01	4.46E-01	6.47E-05	1.45E-01	2.18E+00	2.58E-01	1.82E+00	1.64E+00	3.63E+01
3838	475363.09	3852877.25	2.98789	0.96049	2.41557	2.92271	5.10461	1.98458	1.27474	0.96049	3.06E+01	4.32E-01	6.13E-05	1.51E-01	2.35E+00	2.74E-01	2.20E+00	1.59E+00	3.45E+01
3839	475863.09	3852877.25	2.68845	0.85708	2.15857	3.05779	4.96483	2.01053	1.40303	0.85708	2.76E+01	3.86E-01	5.48E-05	1.58E-01	2.29E+00	2.78E-01	2.42E+00	1.42E+00	3.17E+01
3840	476363.09	3852877.25	2.51366	1.27494	1.77204	3.14456	5.97154	1.98017	1.48898	1.27494	2.58E+01	5.74E-01	4.50E-05	1.63E-01	2.75E+00	2.74E-01	2.57E+00	2.11E+00	3.00E+01
3841	476863.09	3852877.25	2.3493	1.64473	1.17002	2.78326	4.83474	1.75558	1.66542	1.64473	2.41E+01	7.40E-01	2.97E-05	1.44E-01	2.23E+00	2.43E-01	2.88E+00	2.73E+00	2.76E+01
3842	477363.09	3852877.25	2.40832	1.75452	1.21973	2.12021	5.6204	1.36532	1.77828	1.75452	2.47E+01	7.90E-01	3.09E-05	1.10E-01	2.59E+00	1.89E-01	3.07E+00	2.91E+00	2.85E+01
3843	477863.09	3852877.25	2.53829	1.17438	1.08492	1.63805	4.323	1.14538	1.18612	1.17438	2.60E+01	5.29E-01	2.75E-05	8.48E-02	1.99E+00	1.58E-01	2.05E+00	1.95E+00	2.89E+01
3844	478363.09	3852877.25	1.66002	0.95316	1.41833	1.31688	2.91879	1.03402	0.67278	0.95316	1.70E+01	4.29E-01	3.60E-05	6.82E-02	1.35E+00	1.43E-01	1.16E+00	1.58E+00	1.86E+01
3845	478863.09	3852877.25	2.73445	1.03871	1.98356	1.20926	1.74878	0.83249	0.93189	1.03871	2.80E+01	4.67E-01	5.03E-05	6.26E-02	8.06E-01	1.15E-01	1.61E+00	1.72E+00	2.94E+01
3846	479363.09	3852877.25	4.89022	1.39486	2.62595	1.85377	3.95718	1.08075	1.40567	1.39486	5.01E+01	6.28E-01	6.66E-05	9.60E-02	1.82E+00	1.49E-01	2.43E+00	2.31E+00	5.30E+01
3847	479863.09	3852877.25	6.30738	2.82068	6.41979	2.88751	10.0005	2.1119	2.1295	2.82068	6.47E+01	1.27E+00	1.63E-04	1.49E-01	4.61E+00	2.92E-01	3.68E+00	4.67E+00	7.00E+01
3848	480363.09	3852877.25	5.7484	2.94861	7.78284	4.46514	7.69645	3.61725	2.99308	2.94861	5.89E+01	1.33E+00	1.97E-04	2.31E-01	3.55E+00	5.00E-01	5.17E+00	4.89E+00	6.48E+01
3849	480863.09	3852877.25	4.92376	3.95092	12.19866	5.08101	11.89947	4.18245	3.70395	3.95092	5.05E+01	1.78E+00	3.09E-04	2.63E-01	5.48E+00	5.78E-01	6.39E+00	6.55E+00	5.84E+01
3850	481363.09	3852877.25	5.46914	2.9202	4.70333	8.71299	11.55336	6.83011	5.64165	2.9202	5.61E+01	1.31E+00	1.19E-04	4.51E-01	5.32E+00	9.44E-01	9.74E+00	4.84E+00	6.90E+01
3851	481863.09	3852877.25	7.81206	4.71026	6.20417	6.70402	6.71958	5.15289	5.54089	4.71026	8.01E+01	2.12E+00	1.57E-04	3.47E-01	3.10E+00	7.12E-01	9.57E+00	7.80E+00	8.81E+01
3852	482363.09	3852877.25	9.52828	15.12166	6.09932	5.95644	8.55174	5.10928	15.3561	15.12166	9.77E+01	6.81E+00	1.55E-04	3.08E-01	3.94E+00	7.06E-01	2.65E+01	2.51E+01	1.11E+02
3853	482863.09	3852877.25	6.20445	9.63378	10.90141	4.24675	8.18419	4.33541	9.77341	9.63378	6.36E+01	4.34E+00	2.77E-04	2.20E-01	3.77E+00	5.99E-01	1.69E+01	1.60E+01	7.35E+01
3854	483363.09	3852877.25	7.37722	7.97842	2.53123	5.23498	6.26037	4.01031	8.07885	7.97842	7.56E+01	3.59E+00	6.42E-05	2.71E-01	2.89E+00	5.54E-01	1.39E+01	1.32E+01	8.37E+01
3855	483863.09	3852877.25	7.25297	2.54252	2.70901	3.72499	19.40685	2.45426	2.58575	2.54252	7.44E+01	1.14E+00	6.87E-05	1.93E-01	8.94E+00	3.39E-01	4.46E+00	4.21E+00	8.52E+01
3856	484363.09	3852877.25	5.50602	5.22555	3.19129	3.55896	13.03216	2.43781	5.28932	5.22555	5.65E+01	2.35E+00	8.10E-05	1.84E-01	6.01E+00	3.37E-01	9.13E+00	8.66E+00	6.58E+01
3857	484863.09	3852877.25	4.32606	4.251	2.48855	3.22357	13.54946	2.14629	4.29055	4.251	4.44E+01	1.91E+00	6.31E-05	1.67E-01	6.24E+00	2.97E-01	7.41E+00	7.04E+00	5.33E+01
3858	485363.09	3852877.25	4.26082	2.9128	2.5005	1.55246	15.33814	2.05938	2.92126	2.9128	4.37E+01	1.31E+00	6.34E-05	8.04E-02	7.07E+00	2.85E-01	5.04E+00	4.83E+00	5.27E+01
3859	485863.09	3852877.25	3.76746	2.32714	2.22174	1.63587	8.22758	1.60291	2.33937	2.32714	3.86E+01	1.05E+00	5.64E-05	8.47E-02	3.79E+00	2.22E-01	4.04E+00	3.86E+00	4.40E+01
3860	486363.09	3852877.25	2.77273	2.01875	2.29042	1.55549	11.926	0.909	2.02531	2.01875	2.84E+01	9.09E-01	5.81E-05	8.05E-02	5.50E+00	1.26E-01	3.50E+00	3.34E+00	3.52E+01
3861	486863.09	3852877.25	2.45173	1.63202	2.00235	1.66203	5.72276	0.72176	1.64004	1.63202	2.51E+01	7.34E-01	5.08E-05	8.60E-02	2.64E+00	9.98E-02	2.83E+00	2.70E+00	2.88E+01
3862	487363.09	3852877.25	1.51111	1.07671	2.14454	1.10308	3.26764	0.69114	1.08394	1.07671	1.55E+01	4.85E-01	5.44E-05	5.71E-02	1.51E+00	9.56E-02	1.87E+00	1.78E+00	1.77E+01
3863	487863.09	3852877.25	1.48465	0.96649	1.6285	0.68525	7.10786	0.6611	0.97003	0.96649	1.52E+01	4.35E-01	4.13E-05	3.55E-02	3.28E+00	9.14E-02	1.67E+00	1.60E+00	1.91E+01
3864	488363.09	3852877.25	1.31633	0.70374	0.95618	0.58282	3.62222	0.56913	0.70832	0.70374	1.35E+01	3.17E-01	2.43E-05	3.02E-02	1.67E+00	7.87E-02	1.22E+00	1.17E+00	1.56E+01
3865	488863.09	3852877.25	1.20621	0.65517	0.96454	0.94362	5.01439	0.52273	0.65954	0.65517	1.24E+01	2.95E-01	2.45E-05	4.88E-02	2.31E+00	7.23E-02	1.14E+00	1.09E+00	1.51E+01
3866	489363.09	3852877.25	1.20219	0.59712	0.88938	1.1098	4.95905	0.46599	0.60138	0.59712	1.23E+01	2.69E-01	2.26E-05	5.75E-02	2.29E+00	6.44E-02	1.04E+00	9.89E-01	1.51E+01
3867	489863.09	3852877.25	1.00727	0.60024	0.91382	0.82748	4.07816	0.45617	0.60575	0.60024	1.03E+01	2.70E-01	2.32E-05	4.28E-02	1.88E+00	6.31E-02	1.05E+00	9.95E-01	1.26E+01
3868	490363.09	3852877.25	1.11346	0.98747	1.14352	0.74778	5.18007	0.69522	0.99667	0.98747	1.14E+01	4.44E-01	2.90E-05	3.87E-02	2.39E+00	9.61E-02	1.72E+00	1.64E+00	1.45E+01
3869	490863.09	3852877.25	1.16331	1.1006	1.25582	1.11883	6.36208	0.70377	1.10656	1.1006	1.19E+01	4.95E-01	3.19E-05	5.79E-02	2.93E+00	9.73E-02	1.91E+00	1.82E+00	1.56E+01
3870	491363.09	3852877.25	1.22967	1.18599	1.30207	1.23957	5.26537	0.79645	1.19792	1.18599	1.26E+01	5.34E-01	3.30E-05	6.42E-02	2.43E+00	1.10E-01	2.07E+00	1.97E+00	1.58E+01
3871	491863.09	3852877.25	1.31917	1.19173	1.17782	1.04109	3.43773	0.75148	1.20208	1.19173	1.35E+01	5.36E-01	2.99E-05	5.39E-02	1.58E+00	1.04E-01	2.08E+00	1.97E+00	1.59E+01
3872	492363.09	3852877.25	2.31379	1.19943	1.08864	0.91491	3.77907	0.68533	1.20972	1.19943	2.37E+01	5.40E-01	2.76E-05	4.74E-02	1.74E+00	9.47E-02	2.09E+00	1.99E+00	2.63E+01
3873	492863.09	3852877.25	2.27112	1.1969	1.02097	1.08193	5.55983	0.65349	1.2069	1.1969	2.33E+01	5.39E-01	2.59E-05	5.60E-02	2.56E+00	9.03E-02	2.08E+00	1.98E+00	2.66E+01
3874	493363.09	3852877.25	2.12921	1.1766	0.94085	1.15221	7.94629	0.58161	1.18638	1.1766	2.18E+01	5.30E-01	2.39E-05	5.96E-02	3.66E+00	8.04E-02	2.05E+00	1.95E+00	2.63E+01
3875	493863.09	3852877.25	1.92384	1.14524	1.05781	1.46105	7.29753	0.61895	1.15486	1.14524	1.97E+01	5.15E-01	2.68E-05	7.56E-02	3.36E+00	8.56E-02	1.99E+00	1.90E+00	2.39E+01
3876	494363.09	3852877.25	1.73349	1.10953	1.12417	1.4524	4.38614	0.5665	1.11904	1.10953	1.78E+01	4.99E-01	2.85E-05	7.52E-02	2.02E+00	7.83E-02	1.93E+00	1.84E+00	2.05E+01
3877	494863.09	3852877.25	1.68693	1.07072	1.13666	1.51175	3.60586	0.5795	1.08004	1.07072	1.73E+01	4.82E-01	2.88E-05	7.83E-02	1.66E+00	8.01E-02	1.86E+00	1.77E+00	1.97E+01
3878	495363.09	3852877.25	1.71882	1.02383	1.09123	1.24726	3.29918	0.67312	1.03252	1.02383	1.76E+01	4.61E-01	2.77E-05	6.46E-02	1.52E+00	9.31E-02	1.78E+00	1.70E+00	1.98E+01
3879	495863.09	3852877.25	1.7436	0.97452	0.74616	1.10202	4.19331	0.47329	0.98146	0.97452	1.79E+01	4.39E-01	1.89E-05	5.70E-02	1.93E+00	6.54E-02	1.69E+00	1.61E+00	2.05E+01
3880	496363.09	3852877.25	1.76332	0.92436	0.73993	1.15175	5.8858	0.54147	0.9309	0.92436	1.81E+01	4.16E-01	1.88E-05	5.96E-02	2.71E+00	7.49E-02	1.61E+00	1.53E+00	2.14E+01
3881	496863.09	3852877.25	1.772	0.85841	0.72439	0.87011	7.06489	0.65351	0.86445	0.85841	1.82E+01	3.86E-01	1.84E-05	4.50E-02	3.26E+00	9.03E-02	1.49E+00	1.42E+00	2.20E+01
3882	497363.09	3852877.25	1.34274	0.67589	0.59664	1.1676	6.83129	0.77605	0.68059	0.67589	1.38E+01	3.04E-01	1.51E-05	6.04E-02	3.15E+00	1.07E-01	1.18E+00	1.12E+00	1.74E+01
3883	497863.09	3852877.25	0.87884	0.40984	0.77508	0.97137	5.43671	0.88919	0.41264	0.40984	9.01E+00	1.84E-01	1.97E-05	5.03E-02	2.51E+00	1.23E-01	7.12E-01	6.79E-01	1.19E+01
3884	498363.09	3852877.25	0.87043	0.39089	0.87362	0.53055	3.5382	0.98877	0.39361	0.39089	8.93E+00	1.76E-01	2.22E-05	2.75E-02	1.63E+00	1.37E-01	6.80E-01	6.48E-01	1.09E+01
3885	471363.09	3853377.25	4.95724	0.77508	1.42821	1.53894	7.24421	1.61179	0.78154	0.77508	5.08E+01	3.49E-01	3.62E-05	7.97E-02	3.34E+00	2.23E-01	1.35E+00	1.28E+00	5.49E+01
3886	471863.09	3853377.25	4.96895	0.82246	1.4771	1.52537	7.6933	1.60488	0.83695	0.82246	5.10E+01	3.70E-01	3.75E-05	7.90E-02	3.55E+00	2.22E-01	1.45E+00	1.36E+00	5.53E+01
3887	472363.09	3853377.25	4.92857	0.80441	1.55765	1.68473	7.94039	1.59387	0.81168	0.80441	5.05E+01	3.62E-01	3.95E-05	8.72E-02	3.66E+00	2.20E-01	1.40E+00	1.33E+00	5.49E+01
3888	472863.09	3853377.25	4.85132	0.84341	1.65563	1.77394	7.94039	1.6063	0.80699	0.84341	4.97E+01	3.80E-01	4.20E-05	9.18E-02	3.66E+00	2.22E-01	1.39E+00	1.40E+00	5.41E+01
3889	473363.09	3853377.25	4.7319	0.87724	1.7486	1.80195	7.66257	1.65407	0.83743	0.87724	4.85E+01	3.95E-01	4.44E-05	9.33E-02	3.53E+00	2.29E-01	1.45E+00	1.45E+00	5.28E+01
3890	473863.09	3853377.25	4.59137	0.87472	1.81395	1.81471	7.10456	1.68068	0.88558	0.87472	4.71E+01	3.94E-01	4.60E-05	9.39E-02	3.27E+00	2.32E-01	1.53E+00	1.45E+00	5.12E+01

3891	474363.09	3853377.25	4.42138	0.8798	1.84141	2.10718	6.90825	1.70687	0.89101	0.8798	4.53E+01	3.96E-01	4.67E-05	1.09E-01	3.18E+00	2.36E-01	1.54E+00	1.46E+00	4.93E+01
3892	474863.09	3853377.25	4.18996	0.7984	1.93873	1.80043	6.69351	1.56323	0.80776	0.7984	4.30E+01	3.59E-01	4.92E-05	9.32E-02	3.08E+00	2.16E-01	1.39E+00	1.32E+00	4.68E+01
3893	475363.09	3853377.25	3.95313	0.90318	1.84977	1.80613	5.88594	1.47499	0.78086	0.90318	4.05E+01	4.06E-01	4.69E-05	9.35E-02	2.71E+00	2.04E-01	1.35E+00	1.50E+00	4.38E+01
3894	475863.09	3853377.25	3.70119	0.91542	1.8876	1.82023	4.62658	1.40485	0.76562	0.91542	3.80E+01	4.12E-01	4.79E-05	9.42E-02	2.13E+00	1.94E-01	1.32E+00	1.52E+00	4.06E+01
3895	476363.09	3853377.25	3.4164	1.24788	1.94178	1.83721	4.42486	1.4331	1.26452	1.24788	3.50E+01	5.62E-01	4.93E-05	9.51E-02	2.04E+00	1.98E-01	2.18E+00	2.07E+00	3.80E+01
3896	476863.09	3853377.25	2.29152	1.22582	1.60444	1.85251	4.4388	1.46296	1.2411	1.22582	2.35E+01	5.52E-01	4.07E-05	9.59E-02	2.05E+00	2.02E-01	2.14E+00	2.03E+00	2.65E+01
3897	477363.09	3853377.25	2.08913	1.12565	1.5041	1.7465	4.62354	1.49863	1.14248	1.12565	2.14E+01	5.07E-01	3.82E-05	9.04E-02	2.13E+00	2.07E-01	1.97E+00	1.87E+00	2.45E+01
3898	477863.09	3853377.25	1.90006	1.02073	1.321	1.78816	4.0509	1.47601	1.03525	1.02073	1.95E+01	4.59E-01	3.35E-05	9.26E-02	1.87E+00	2.04E-01	1.79E+00	1.69E+00	2.22E+01
3899	478363.09	3853377.25	1.64674	0.58265	1.14876	1.66049	3.49354	1.43119	0.82202	0.58265	1.69E+01	2.62E-01	2.91E-05	8.60E-02	1.61E+00	1.98E-01	1.42E+00	9.65E-01	1.95E+01
3900	478863.09	3853377.25	1.20245	0.46844	1.06967	1.69871	3.46679	1.40011	0.90595	0.46844	1.23E+01	2.11E-01	2.71E-05	8.79E-02	1.60E+00	1.94E-01	1.56E+00	7.76E-01	1.52E+01
3901	479363.09	3853377.25	2.7382	1.22408	1.90427	1.82105	3.58493	1.26086	0.92064	1.22408	2.81E+01	5.51E-01	4.83E-05	9.43E-02	1.65E+00	1.74E-01	1.59E+00	2.03E+00	3.01E+01
3902	479863.09	3853377.25	5.60395	1.30038	2.87944	2.1254	3.11934	1.51851	1.24344	1.30038	5.75E+01	5.85E-01	7.30E-05	1.10E-01	1.44E+00	2.10E-01	2.15E+00	2.15E+00	5.98E+01
3903	480363.09	3853377.25	6.92419	3.75814	7.80929	2.31562	8.4346	2.27291	1.84812	3.75814	7.10E+01	1.69E+00	1.98E-04	1.20E-01	3.89E+00	3.14E-01	3.19E+00	6.23E+00	7.40E+01
3904	480863.09	3853377.25	7.20808	2.36448	7.39036	3.37565	11.39814	2.63915	2.5164	2.36448	7.39E+01	1.06E+00	1.87E-04	1.75E-01	5.25E+00	3.65E-01	4.34E+00	3.92E+00	8.12E+01
3905	481363.09	3853377.25	6.46531	4.48558	14.16404	4.9313	11.98458	3.83948	3.01699	4.48558	6.63E+01	2.02E+00	3.59E-04	2.55E-01	5.52E+00	5.31E-01	5.21E+00	7.43E+00	7.24E+01
3906	481863.09	3853377.25	6.3869	4.48688	5.72549	7.10225	14.28258	8.09264	6.14759	4.48688	6.55E+01	2.02E+00	1.45E-04	3.68E-01	6.58E+00	1.12E+00	1.06E+01	7.43E+00	7.88E+01
3907	482363.09	3853377.25	9.43991	7.43057	11.64964	10.30754	10.68358	6.90801	6.83587	7.43057	9.68E+01	3.34E+00	2.96E-04	5.34E-01	4.92E+00	9.55E-01	1.18E+01	1.23E+01	1.06E+02
3908	482863.09	3853377.25	7.88291	15.39468	11.54967	7.92896	8.84413	6.09772	15.6097	15.39468	8.08E+01	6.93E+00	2.93E-04	4.10E-01	4.08E+00	8.43E-01	2.70E+01	2.55E+01	9.45E+01
3909	483363.09	3853377.25	7.04087	7.16586	3.01562	5.4875	10.22044	4.76023	7.36043	7.16586	7.22E+01	3.22E+00	7.65E-05	2.84E-01	4.71E+00	6.58E-01	1.27E+01	1.19E+01	8.19E+01
3910	483863.09	3853377.25	8.18599	6.9833	4.26539	5.84507	8.08175	4.28064	7.16158	6.9833	8.39E+01	3.14E+00	1.08E-04	3.03E-01	3.72E+00	5.92E-01	1.24E+01	1.16E+01	9.25E+01
3911	484363.09	3853377.25	6.83686	5.8223	4.12357	4.93349	24.21632	3.61418	5.9226	5.8223	7.01E+01	2.62E+00	1.05E-04	2.55E-01	1.12E+01	5.00E-01	1.02E+01	9.65E+00	8.52E+01
3912	484863.09	3853377.25	5.15003	2.10834	4.5424	3.63095	10.70404	2.14776	2.14641	2.10834	5.28E+01	9.49E-01	1.15E-04	1.88E-01	4.93E+00	2.97E-01	3.71E+00	3.49E+00	5.94E+01
3913	485363.09	3853377.25	4.15844	2.88952	2.34241	1.07444	9.16841	1.96075	2.92413	2.88952	4.26E+01	1.30E+00	5.94E-05	5.56E-02	4.23E+00	2.71E-01	5.05E+00	4.79E+00	4.88E+01
3914	485863.09	3853377.25	2.77847	2.33866	2.8673	1.18092	5.10969	1.2343	2.3495	2.33866	2.85E+01	1.05E+00	7.27E-05	6.11E-02	2.35E+00	1.71E-01	4.06E+00	3.88E+00	3.23E+01
3915	486363.09	3853377.25	2.25964	2.09349	2.77608	1.35848	12.76758	0.88301	2.10108	2.09349	2.32E+01	9.42E-01	7.04E-05	7.03E-02	5.88E+00	1.22E-01	3.63E+00	3.47E+00	3.03E+01
3916	486863.09	3853377.25	2.10652	1.55033	1.84414	1.45263	7.28078	0.7301	1.55726	1.55033	2.16E+01	6.98E-01	4.68E-05	7.52E-02	3.36E+00	1.01E-01	2.69E+00	2.57E+00	2.59E+01
3917	487363.09	3853377.25	1.82238	1.45495	1.96263	1.44301	3.35675	0.75831	1.46221	1.45495	1.87E+01	6.55E-01	4.98E-05	7.47E-02	1.55E+00	1.05E-01	2.52E+00	2.41E+00	2.12E+01
3918	487863.09	3853377.25	1.93741	1.55156	1.56941	1.05963	7.55221	0.76382	1.55729	1.55156	1.99E+01	6.98E-01	3.98E-05	5.49E-02	3.48E+00	1.06E-01	2.69E+00	2.57E+00	2.43E+01
3919	488363.09	3853377.25	2.00652	1.42386	1.93717	0.94264	6.69941	0.71646	1.43089	1.42386	2.06E+01	6.41E-01	4.91E-05	4.88E-02	3.09E+00	9.91E-02	2.47E+00	2.36E+00	2.46E+01
3920	488863.09	3853377.25	2.05414	1.09621	2.04378	0.96805	5.8979	0.74122	1.10332	1.09621	2.11E+01	4.93E-01	5.18E-05	5.01E-02	2.72E+00	1.02E-01	1.90E+00	1.82E+00	2.45E+01
3921	489363.09	3853377.25	2.11112	1.13118	1.31079	1.15321	4.76215	0.78798	1.13584	1.13118	2.16E+01	5.09E-01	3.33E-05	5.97E-02	2.19E+00	1.09E-01	1.96E+00	1.87E+00	2.46E+01
3922	489863.09	3853377.25	2.17046	1.11735	1.43293	0.83391	5.37432	0.69229	1.12215	1.11735	2.23E+01	5.03E-01	3.64E-05	4.32E-02	2.48E+00	9.57E-02	1.94E+00	1.85E+00	2.55E+01
3923	490363.09	3853377.25	2.25716	1.16196	1.49627	0.87149	6.56499	0.77117	1.16813	1.16196	2.31E+01	5.23E-01	3.80E-05	4.51E-02	3.03E+00	1.07E-01	2.02E+00	1.93E+00	2.69E+01
3924	490863.09	3853377.25	2.33338	1.16002	1.29867	1.10968	6.08168	0.81832	1.16566	1.16002	2.39E+01	5.22E-01	3.29E-05	5.74E-02	2.80E+00	1.13E-01	2.01E+00	1.92E+00	2.75E+01
3925	491363.09	3853377.25	2.35724	1.16549	1.29914	1.42148	3.63306	0.8017	1.17224	1.16549	2.42E+01	5.25E-01	3.30E-05	7.36E-02	1.67E+00	1.11E-01	2.02E+00	1.93E+00	2.66E+01
3926	491863.09	3853377.25	2.28693	1.08005	1.36134	1.16355	3.97641	0.73848	1.08732	1.08005	2.35E+01	4.86E-01	3.45E-05	6.02E-02	1.83E+00	1.02E-01	1.88E+00	1.79E+00	2.60E+01
3927	492363.09	3853377.25	2.12872	1.11036	1.33505	1.12832	6.82326	0.67964	1.12228	1.11036	2.18E+01	5.00E-01	3.39E-05	5.84E-02	3.14E+00	9.40E-02	1.94E+00	1.84E+00	2.57E+01
3928	492863.09	3853377.25	1.92947	1.13929	1.30263	1.19322	8.30982	0.6164	1.15007	1.13929	1.98E+01	5.13E-01	3.30E-05	6.18E-02	3.83E+00	8.52E-02	1.99E+00	1.89E+00	2.44E+01
3929	493363.09	3853377.25	1.74394	1.15492	1.39608	1.29023	6.68316	0.63886	1.16554	1.15492	1.79E+01	5.20E-01	3.54E-05	6.68E-02	3.08E+00	8.83E-02	2.01E+00	1.91E+00	2.17E+01
3930	493863.09	3853377.25	1.77553	1.16307	0.93307	1.64182	4.53145	0.76542	1.1733	1.16307	1.82E+01	5.23E-01	2.37E-05	8.50E-02	2.09E+00	1.06E-01	2.03E+00	1.93E+00	2.11E+01
3931	494363.09	3853377.25	1.79673	1.16139	1.14736	1.65573	4.94869	0.57512	1.1718	1.16139	1.84E+01	5.23E-01	2.91E-05	8.57E-02	2.28E+00	7.95E-02	2.02E+00	1.92E+00	2.15E+01
3932	494863.09	3853377.25	1.80837	1.15165	0.98744	1.65242	7.40793	0.56463	1.16167	1.15165	1.85E+01	5.18E-01	2.50E-05	8.55E-02	3.41E+00	7.81E-02	2.01E+00	1.91E+00	2.27E+01
3933	495363.09	3853377.25	1.81341	1.13662	0.91908	1.30633	6.33338	0.70318	1.14654	1.13662	1.86E+01	5.12E-01	2.33E-05	6.76E-02	2.92E+00	9.72E-02	1.98E+00	1.88E+00	2.23E+01
3934	495863.09	3853377.25	1.80559	1.09772	0.93831	1.19404	7.37417	0.67832	1.10583	1.09772	1.85E+01	4.94E-01	2.38E-05	6.18E-02	3.40E+00	9.38E-02	1.91E+00	1.82E+00	2.27E+01
3935	496363.09	3853377.25	1.78503	1.0264	0.83641	1.12219	6.8985	0.8054	1.02759	1.0264	1.83E+01	4.62E-01	2.12E-05	5.81E-02	3.18E+00	1.11E-01	1.77E+00	1.70E+00	2.22E+01
3936	496863.09	3853377.25	1.75247	0.7658	0.87368	1.29763	5.26489	0.91828	0.77109	0.7658	1.80E+01	3.45E-01	2.22E-05	6.72E-02	2.43E+00	1.27E-01	1.33E+00	1.27E+00	2.10E+01
3937	497363.09	3853377.25	0.91169	0.52208	0.95274	0.83312	3.21564	1.0201	0.52535	0.52208	9.35E+00	2.35E-01	2.42E-05	4.31E-02	1.48E+00	1.41E-01	9.07E-01	8.65E-01	1.13E+01
3938	497863.09	3853377.25	0.91825	0.49635	0.79856	0.51986	1.79321	1.06803	0.49944	0.49635	9.42E+00	2.23E-01	2.03E-05	2.69E-02	8.26E-01	1.48E-01	8.62E-01	8.22E-01	1.07E+01
3939	498363.09	3853377.25	0.98758	0.47731	0.5664	0.52883	1.83422	1.02086	0.48033	0.47731	1.01E+01	2.15E-01	1.44E-05	2.74E-02	8.45E-01	1.41E-01	8.29E-01	7.91E-01	1.14E+01
3940	471363.09	3853877.25	4.48122	0.78156	1.52601	1.59996	4.64092	1.84398	0.78402	0.78156	4.60E+01	3.52E-01	3.87E-05	8.28E-02	2.14E+00	2.55E-01	1.35E+00	1.29E+00	4.88E+01
3941	471863.09	3853877.25	4.73243	0.81634	1.46397	1.62957	5.41553	1.76435	0.82363	0.81634	4.85E+01	3.67E-01	3.71E-05	8.44E-02	2.50E+00	2.44E-01	1.42E+00	1.35E+00	5.18E+01
3942	472363.09	3853877.25	4.92385	0.79636	1.40646	1.64192	6.26209	1.70333	0.80362	0.79636	5.05E+01	3.58E-01	3.57E-05	8.50E-02	2.89E+00	2.35E-01	1.39E+00	1.32E+00	5.41E+01
3943	472863.09	3853877.25	5.06073	0.79299	1.37232	1.69049	7.0846	1.67256	0.80124	0.79299	5.19E+01	3.57E-01	3.48E-05	8.75E-02	3.26E+00	2.31E-01	1.38E+00	1.31E+00	5.59E+01
3944	473363.09	3853877.25	5.10338	0.8255	1.37942	1.76078	7.81135	1.66281	0.83672	0.8255	5.23E+01	3.72E-01	3.50E-05	9.11E-02	3.60E+00	2.30E-01	1.44E+00	1.37E+00	5.67E+01
3945	473863.09	3853877.25	5.07702	0.86402	1.43805	1.81318	8.37234	1.66929	0.87372	0.86402	5.21E+01	3.89E-01	3.65E-05	9.39E-02	3.86E+00	2.31E-01	1.51E+00	1.43E+00	5.67E+01
3946	474363.09	3853877.25	5.00859	0.88887	1.54404	1.8612	8.68526	1.702	0.8733	0.88887	5.14E+01	4.00E-01	3.92E-05	9.63E-02	4.00E+00	2.35E-01	1.51E+00	1.47E+00	5.61E+01
3947	474863.09	3853877.25	4.89772	0.90929	1.6746	1.86741	8.67619	1.7261	0.79237	0.90929	5.02E+01	4.09E-01	4.25E-05	9.67E-02	4.00E+00	2.39E-01	1.37E+00	1.51E+00	5.48E+01
3948	475363.09	3853877.25	4.72172	0.8754	1.79133	1.80173	8.29239	1.59539	0.74605	0.8754	4.84E+01	3.94E-01	4.54E-05	9.33E-02	3.82E+00	2.21E-01	1.29E+00	1.45E+00	5.28E+01
3949	475863.09	3853877.25	4.48694	0.80218	1.63283	1.62103	7.5239	1.55901	0.65747	0.80218	4.60E+01	3.61E-01	4.14E-05	8.39E-02	3.47E+00	2.16E-01	1.14E+00	1.33E+00	4.99E+01

3950	476363.09	3853877.25	3.12179	0.72709	1.49555	1.33628	7.39378	1.51344	0.73767	0.72709	3.20E+01	3.27E-01	3.79E-05	6.92E-02	3.41E+00	2.09E-01	1.27E+00	1.20E+00	3.61E+01
3951	476863.09	3853877.25	2.09187	0.72994	1.50732	1.35274	3.35747	1.4647	0.65528	0.72994	2.15E+01	3.29E-01	3.82E-05	7.00E-02	1.55E+00	2.02E-01	1.13E+00	1.21E+00	2.35E+01
3952	477363.09	3853877.25	2.81319	0.73281	1.56248	1.3734	2.93662	1.43001	0.631	0.73281	2.88E+01	3.30E-01	3.96E-05	7.11E-02	1.35E+00	1.98E-01	1.09E+00	1.21E+00	3.07E+01
3953	477863.09	3853877.25	2.65191	0.76229	1.65131	1.39383	4.09377	1.41842	0.76408	0.76229	2.72E+01	3.43E-01	4.19E-05	7.22E-02	1.89E+00	1.96E-01	1.32E+00	1.26E+00	2.97E+01
3954	478363.09	3853877.25	2.47522	0.73685	1.78233	1.41281	4.89617	1.45702	0.74288	0.73685	2.54E+01	3.32E-01	4.52E-05	7.31E-02	2.26E+00	2.01E-01	1.28E+00	1.22E+00	2.83E+01
3955	478863.09	3853877.25	1.56747	0.52917	1.80255	1.43278	2.43846	1.57404	0.57074	0.52917	1.61E+01	2.38E-01	4.57E-05	7.42E-02	1.12E+00	2.18E-01	9.85E-01	8.77E-01	1.78E+01
3956	479363.09	3853877.25	2.08835	0.6091	1.86407	1.46814	3.93736	1.62821	0.61871	0.6091	2.14E+01	2.74E-01	4.73E-05	7.60E-02	1.81E+00	2.25E-01	1.07E+00	1.01E+00	2.39E+01
3957	479863.09	3853877.25	3.93009	1.12328	1.9435	2.31642	7.16408	1.82973	1.10854	1.12328	4.03E+01	5.06E-01	4.93E-05	1.20E-01	3.30E+00	2.53E-01	1.91E+00	1.86E+00	4.45E+01
3958	480363.09	3853877.25	6.40545	1.78877	3.29984	3.57665	7.40961	2.18171	1.76211	1.78877	6.57E+01	8.05E-01	8.37E-05	1.85E-01	3.41E+00	3.02E-01	3.04E+00	2.96E+00	7.05E+01
3959	480863.09	3853877.25	7.45274	3.77649	7.44947	3.95299	5.49946	2.53962	2.10429	3.77649	7.64E+01	1.70E+00	1.89E-04	2.05E-01	2.53E+00	3.51E-01	3.63E+00	6.26E+00	7.86E+01
3960	481363.09	3853877.25	7.51823	5.84001	15.37911	3.5975	10.26981	4.27599	3.2664	5.84001	7.71E+01	2.63E+00	3.90E-04	1.86E-01	4.73E+00	5.91E-01	5.64E+00	9.68E+00	8.12E+01
3961	481863.09	3853877.25	6.962	4.90607	17.95768	4.38778	10.55722	4.70054	3.46442	4.90607	7.14E+01	2.21E+00	4.56E-04	2.27E-01	4.87E+00	6.50E-01	5.98E+00	8.13E+00	7.72E+01
3962	482363.09	3853877.25	7.95389	7.98307	6.89117	5.3228	15.2209	9.32782	4.10263	7.98307	8.16E+01	3.59E+00	1.75E-04	2.76E-01	7.01E+00	1.29E+00	7.08E+00	1.32E+01	8.76E+01
3963	482863.09	3853877.25	11.40088	18.93061	14.93768	16.66824	15.96773	14.97094	17.0936	18.93061	1.17E+02	8.52E+00	3.79E-04	8.63E-01	7.36E+00	2.07E+00	2.95E+01	3.14E+01	1.34E+02
3964	483363.09	3853877.25	9.17716	5.00444	9.67653	11.39843	8.91847	10.33018	5.17054	5.00444	9.41E+01	2.25E+00	2.45E-04	5.90E-01	4.11E+00	1.43E+00	8.93E+00	8.29E+00	1.03E+02
3965	483863.09	3853877.25	8.43215	4.84789	10.19921	7.72634	12.682	5.26263	5.60714	4.84789	8.65E+01	2.18E+00	2.59E-04	4.00E-01	5.84E+00	7.28E-01	9.68E+00	8.03E+00	9.73E+01
3966	484363.09	3853877.25	8.71505	4.95726	8.46643	6.4425	10.15647	4.32869	5.17732	4.95726	8.94E+01	2.23E+00	2.15E-04	3.34E-01	4.68E+00	5.98E-01	8.94E+00	8.21E+00	9.79E+01
3967	484863.09	3853877.25	6.68842	5.3361	6.10547	3.12303	21.58402	2.08792	5.41193	5.3361	6.86E+01	2.40E+00	1.55E-04	1.62E-01	9.95E+00	2.89E-01	9.34E+00	8.84E+00	8.19E+01
3968	485363.09	3853877.25	3.27764	2.56865	4.14349	1.07406	2.98485	1.63998	2.57557	2.56865	3.36E+01	1.16E+00	1.05E-04	5.56E-02	1.38E+00	2.27E-01	4.45E+00	4.26E+00	3.66E+01
3969	485863.09	3853877.25	3.30482	1.34226	3.03403	1.16225	6.41116	1.62579	1.35322	1.34226	3.39E+01	6.04E-01	7.70E-05	6.02E-02	2.95E+00	2.25E-01	2.34E+00	2.22E+00	3.78E+01
3970	486363.09	3853877.25	3.09866	1.70449	2.22746	1.3765	11.43227	1.32082	1.72567	1.70449	3.18E+01	7.67E-01	5.65E-05	7.13E-02	5.27E+00	1.83E-01	2.98E+00	2.82E+00	3.82E+01
3971	486863.09	3853877.25	2.63774	2.4527	2.70386	1.56701	11.06516	0.83792	2.46954	2.4527	2.70E+01	1.10E+00	6.86E-05	8.11E-02	5.10E+00	1.16E-01	4.26E+00	4.06E+00	3.36E+01
3972	487363.09	3853877.25	2.31012	2.29583	2.60674	1.70912	4.36432	0.85528	2.3091	2.29583	2.37E+01	1.03E+00	6.61E-05	8.85E-02	2.01E+00	1.18E-01	3.99E+00	3.80E+00	2.71E+01
3973	487863.09	3853877.25	2.57624	2.15692	2.1932	1.35591	8.03239	0.94835	2.16482	2.15692	2.64E+01	9.71E-01	5.56E-05	7.02E-02	3.70E+00	1.31E-01	3.74E+00	3.57E+00	3.15E+01
3974	488363.09	3853877.25	2.75851	1.60189	2.07216	1.25102	5.99565	0.9837	1.61794	1.60189	2.83E+01	7.21E-01	5.26E-05	6.48E-02	2.76E+00	1.36E-01	2.79E+00	2.65E+00	3.21E+01
3975	488863.09	3853877.25	3.05345	1.94519	2.59709	1.40195	7.12293	1.14118	1.9568	1.94519	3.13E+01	8.75E-01	6.59E-05	7.26E-02	3.28E+00	1.58E-01	3.38E+00	3.22E+00	3.59E+01
3976	489363.09	3853877.25	2.65586	1.75373	1.78649	1.2012	4.85788	0.98446	1.76111	1.75373	2.72E+01	7.89E-01	4.53E-05	6.22E-02	2.24E+00	1.36E-01	3.04E+00	2.91E+00	3.06E+01
3977	489863.09	3853877.25	2.57341	1.48956	1.54485	1.2002	6.46021	1.00743	1.49704	1.48956	2.64E+01	6.70E-01	3.92E-05	6.21E-02	2.98E+00	1.39E-01	2.58E+00	2.47E+00	3.04E+01
3978	490363.09	3853877.25	2.41958	1.22734	1.44396	1.1956	6.93051	1.00059	1.23818	1.22734	2.48E+01	5.52E-01	3.66E-05	6.19E-02	3.19E+00	1.38E-01	2.14E+00	2.03E+00	2.89E+01
3979	490863.09	3853877.25	2.54385	1.32726	1.17526	1.36124	5.09519	1.01145	1.33537	1.32726	2.61E+01	5.97E-01	2.98E-05	7.05E-02	2.35E+00	1.40E-01	2.31E+00	2.20E+00	2.93E+01
3980	491363.09	3853877.25	2.13768	1.3582	1.39538	1.48718	4.73658	1.02657	1.36513	1.3582	2.19E+01	6.11E-01	3.54E-05	7.70E-02	2.18E+00	1.42E-01	2.36E+00	2.25E+00	2.50E+01
3981	491863.09	3853877.25	1.98421	1.30601	1.56129	1.29571	7.93411	1.03991	1.31369	1.30601	2.03E+01	5.88E-01	3.96E-05	6.71E-02	3.66E+00	1.44E-01	2.27E+00	2.16E+00	2.49E+01
3982	492363.09	3853877.25	1.96638	1.37361	1.63931	1.47567	8.31033	1.11807	1.3813	1.37361	2.02E+01	6.18E-01	4.16E-05	7.64E-02	3.83E+00	1.55E-01	2.38E+00	2.28E+00	2.50E+01
3983	492863.09	3853877.25	1.97098	1.32894	1.61003	1.49976	6.61132	1.14929	1.33678	1.32894	2.02E+01	5.98E-01	4.08E-05	7.76E-02	3.05E+00	1.59E-01	2.31E+00	2.20E+00	2.42E+01
3984	493363.09	3853877.25	1.91187	1.21335	1.4944	2.1672	6.30979	1.10327	1.22115	1.21335	1.96E+01	5.46E-01	3.79E-05	1.12E-01	2.91E+00	1.53E-01	2.11E+00	2.01E+00	2.34E+01
3985	493863.09	3853877.25	1.86082	1.06777	1.33449	1.67343	7.67424	1.06597	1.07533	1.06777	1.91E+01	4.81E-01	3.39E-05	8.66E-02	3.54E+00	1.47E-01	1.86E+00	1.77E+00	2.34E+01
3986	494363.09	3853877.25	1.84724	1.02909	1.1517	1.94817	8.19176	1.05133	1.0393	1.02909	1.89E+01	4.63E-01	2.92E-05	1.01E-01	3.78E+00	1.45E-01	1.79E+00	1.71E+00	2.35E+01
3987	494863.09	3853877.25	1.88295	1.0554	1.09759	1.98521	7.65023	1.0181	1.06617	1.0554	1.93E+01	4.75E-01	2.78E-05	1.03E-01	3.53E+00	1.41E-01	1.84E+00	1.75E+00	2.36E+01
3988	495363.09	3853877.25	1.91568	1.05349	1.059	1.23847	6.91743	0.83538	1.06384	1.05349	1.96E+01	4.74E-01	2.69E-05	6.41E-02	3.19E+00	1.15E-01	1.84E+00	1.75E+00	2.36E+01
3989	495863.09	3853877.25	1.71848	0.87559	0.95542	1.42078	5.04427	0.94527	0.87343	0.87559	1.76E+01	3.94E-01	2.42E-05	7.35E-02	2.32E+00	1.31E-01	1.51E+00	1.45E+00	2.06E+01
3990	496363.09	3853877.25	1.66434	0.70513	1.03189	1.24873	3.81485	1.05277	0.7106	0.70513	1.71E+01	3.17E-01	2.62E-05	6.46E-02	1.76E+00	1.46E-01	1.23E+00	1.17E+00	1.94E+01
3991	496863.09	3853877.25	1.47823	0.55982	0.95829	0.91885	3.9207	1.09867	0.56401	0.55982	1.52E+01	2.52E-01	2.43E-05	4.76E-02	1.81E+00	1.52E-01	9.74E-01	9.28E-01	1.75E+01
3992	497363.09	3853877.25	1.05534	0.54809	0.95965	0.75708	2.79315	1.03077	0.5517	0.54809	1.08E+01	2.47E-01	2.43E-05	3.92E-02	1.29E+00	1.43E-01	9.53E-01	9.08E-01	1.26E+01
3993	497863.09	3853877.25	1.07978	0.5423	0.95698	0.79477	2.34418	0.90095	0.54578	0.5423	1.11E+01	2.44E-01	2.43E-05	4.11E-02	1.08E+00	1.25E-01	9.42E-01	8.99E-01	1.26E+01
3994	498363.09	3853877.25	1.10383	0.53364	0.95321	1.22595	2.77786	0.79899	0.537	0.53364	1.13E+01	2.40E-01	2.42E-05	6.35E-02	1.28E+00	1.10E-01	9.27E-01	8.84E-01	1.31E+01
3995	471363.09	3854377.25	3.67508	0.92984	1.66748	1.53968	3.59116	2.30553	0.78666	0.92984	3.77E+01	4.18E-01	4.23E-05	7.97E-02	1.65E+00	3.19E-01	1.36E+00	1.54E+00	4.00E+01
3996	471863.09	3854377.25	3.85405	0.90599	1.69003	1.54286	4.76996	2.2446	0.81691	0.90599	3.95E+01	4.08E-01	4.29E-05	7.99E-02	2.20E+00	3.10E-01	1.41E+00	1.50E+00	4.24E+01
3997	472363.09	3854377.25	4.06434	0.87648	1.67782	1.55862	5.6992	2.13979	0.7994	0.87648	4.17E+01	3.94E-01	4.26E-05	8.07E-02	2.63E+00	2.96E-01	1.38E+00	1.45E+00	4.50E+01
3998	472863.09	3854377.25	4.30734	0.84048	1.63016	1.59158	6.25204	2.01026	0.79677	0.84048	4.42E+01	3.78E-01	4.14E-05	8.24E-02	2.88E+00	2.78E-01	1.38E+00	1.39E+00	4.78E+01
3999	473363.09	3854377.25	4.58501	0.8782	1.55174	1.63791	6.576	1.88989	0.8362	0.8782	4.70E+01	3.95E-01	3.94E-05	8.48E-02	3.03E+00	2.61E-01	1.44E+00	1.46E+00	5.08E+01
4000	473863.09	3854377.25	4.85927	0.92743	1.45501	1.78616	6.52961	1.79442	0.87334	0.92743	4.98E+01	4.17E-01	3.69E-05	9.25E-02	3.01E+00	2.48E-01	1.51E+00	1.54E+00	5.36E+01
4001	474363.09	3854377.25	5.07756	0.902	1.36294	1.90256	6.5367	1.84039	0.86747	0.902	5.21E+01	4.06E-01	3.46E-05	9.85E-02	3.01E+00	2.54E-01	1.50E+00	1.49E+00	5.58E+01
4002	474863.09	3854377.25	5.14815	0.78292	1.29716	1.77913	7.53806	1.69651	0.77254	0.78292	5.28E+01	3.52E-01	3.29E-05	9.21E-02	3.47E+00	2.35E-01	1.33E+00	1.30E+00	5.70E+01
4003	475363.09	3854377.25	5.08698	0.81982	1.20122	1.62707	8.44743	1.67649	0.73029	0.81982	5.22E+01	3.69E-01	3.05E-05	8.42E-02	3.89E+00	2.32E-01	1.26E+00	1.36E+00	5.66E+01
4004	475863.09	3854377.25	3.51082	0.6342	1.15181	1.54488	8.80713	1.63263	0.52082	0.6342	3.60E+01	2.85E-01	2.92E-05	8.00E-02	4.06E+00	2.26E-01	8.99E-01	1.05E+00	4.05E+01
4005	476363.09	3854377.25	2.43536	0.62804	1.22963	1.46066	9.36198	1.61588	0.52429	0.62804	2.50E+01	2.83E-01	3.12E-05	7.56E-02	4.31E+00	2.23E-01	9.05E-01	1.04E+00	2.97E+01
4006	476863.09	3854377.25	2.37632	0.62462	1.33096	1.39407	9.067	1.49572	0.52795	0.62462	2.44E+01	2.81E-01	3.38E-05	7.22E-02	4.18E+00	2.07E-01	9.12E-01	1.03E+00	2.90E+01
4007	477363.09	3854377.25	2.3149	0.61987	1.43321	1.35617	7.87459	1.48233	0.54759	0.61987	2.37E+01	2.79E-01	3.64E-05	7.02E-02	3.63E+00	2.05E-01	9.45E-01	1.03E+00	2.78E+01
4008	477863.09	3854377.25	2.24386	0.71609	1.50424	1.34678	6.01725	1.45949	0.59234	0.71609	2.30E+01	3.22E-01	3.82E-05	6.97E-02	2.77E+00	2.02E-01	1.02E+00	1.19E+00	2.62E+01

4009	478363.09	3854377.25	2.15317	0.76527	1.518	1.35806	3.95299	1.47316	0.60009	0.76527	2.21E+01	3.44E-01	3.85E-05	7.03E-02	1.82E+00	2.04E-01	1.04E+00	1.27E+00	2.43E+01
4010	478863.09	3854377.25	2.04966	0.82253	1.48406	1.37951	3.27274	1.47232	0.56811	0.82253	2.10E+01	3.70E-01	3.76E-05	7.14E-02	1.51E+00	2.04E-01	9.81E-01	1.36E+00	2.28E+01
4011	479363.09	3854377.25	2.85339	1.13119	1.47636	1.69349	4.64504	1.41545	1.14253	1.13119	2.93E+01	5.09E-01	3.75E-05	8.77E-02	2.14E+00	1.96E-01	1.97E+00	1.87E+00	3.23E+01
4012	479863.09	3854377.25	3.6653	0.83923	1.64046	1.89237	5.46394	1.37865	0.84826	0.83923	3.76E+01	3.78E-01	4.16E-05	9.80E-02	2.52E+00	1.91E-01	1.46E+00	1.39E+00	4.08E+01
4013	480363.09	3854377.25	4.16153	1.12188	3.78542	2.89705	8.24152	1.89725	1.21732	1.12188	4.27E+01	5.05E-01	9.60E-05	1.50E-01	3.80E+00	2.62E-01	2.10E+00	1.86E+00	4.76E+01
4014	480863.09	3854377.25	6.66696	2.43642	5.03846	3.02828	11.27818	2.47159	1.90888	2.43642	6.84E+01	1.10E+00	1.28E-04	1.57E-01	5.20E+00	3.42E-01	3.30E+00	4.04E+00	7.44E+01
4015	481363.09	3854377.25	7.90846	2.45752	7.01457	3.3468	11.25069	3.2034	2.04671	2.45752	8.11E+01	1.11E+00	1.78E-04	1.73E-01	5.18E+00	4.43E-01	3.53E+00	4.07E+00	8.75E+01
4016	481863.09	3854377.25	7.5877	7.0512	16.53555	3.29202	6.95731	4.28055	2.57256	7.0512	7.78E+01	3.17E+00	4.19E-04	1.70E-01	3.21E+00	5.92E-01	4.44E+00	1.17E+01	7.77E+01
4017	482363.09	3854377.25	8.57473	8.47041	25.84819	3.88132	11.45833	8.34349	3.61811	8.47041	8.79E+01	3.81E+00	6.56E-04	2.01E-01	5.28E+00	1.15E+00	6.25E+00	1.40E+01	9.06E+01
4018	482863.09	3854377.25	9.92037	26.05378	10.65389	5.56513	13.52684	10.2352	3.84697	26.05378	1.02E+02	1.17E+01	2.70E-04	2.88E-01	6.23E+00	1.42E+00	6.64E+00	4.32E+01	8.49E+01
4019	483363.09	3854377.25	11.3252	9.39494	15.67152	8.4837	21.05639	5.81818	18.7689	9.39494	1.16E+02	4.23E+00	3.98E-04	4.39E-01	9.70E+00	8.04E-01	3.24E+01	1.56E+01	1.48E+02
4020	483863.09	3854377.25	10.19093	3.03391	11.99413	14.9306	13.68744	8.80504	9.19645	3.03391	1.04E+02	1.37E+00	3.04E-04	7.73E-01	6.31E+00	1.22E+00	1.59E+01	5.03E+00	1.25E+02
4021	484363.09	3854377.25	11.75906	2.53623	11.38799	9.21482	15.61349	4.89123	5.4419	2.53623	1.21E+02	1.14E+00	2.89E-04	4.77E-01	7.20E+00	6.76E-01	9.40E+00	4.20E+00	1.35E+02
4022	484863.09	3854377.25	7.6001	2.55443	5.24583	3.04102	5.6812	1.90941	2.58835	2.55443	7.79E+01	1.15E+00	1.33E-04	1.57E-01	2.62E+00	2.64E-01	4.47E+00	4.23E+00	8.24E+01
4023	485363.09	3854377.25	6.1726	4.18415	4.20126	2.72168	18.86731	2.25125	4.25206	4.18415	6.33E+01	1.88E+00	1.07E-04	1.41E-01	8.69E+00	3.11E-01	7.34E+00	6.93E+00	7.47E+01
4024	485863.09	3854377.25	3.74654	3.84724	3.17906	1.90246	4.87327	1.70277	3.88131	3.84724	3.84E+01	1.73E+00	8.06E-05	9.85E-02	2.25E+00	2.35E-01	6.70E+00	6.37E+00	4.31E+01
4025	486363.09	3854377.25	3.91727	2.65807	2.39717	1.91012	9.65489	1.76204	2.66856	2.65807	4.02E+01	1.20E+00	6.08E-05	9.89E-02	4.45E+00	2.44E-01	4.61E+00	4.40E+00	4.64E+01
4026	486863.09	3854377.25	3.5231	1.24952	2.38253	1.91977	14.3929	1.4471	1.25884	1.24952	3.61E+01	5.62E-01	6.04E-05	9.94E-02	6.63E+00	2.00E-01	2.17E+00	2.07E+00	4.37E+01
4027	487363.09	3854377.25	3.35223	1.60942	3.3599	1.94829	8.83898	1.46126	1.63006	1.60942	3.44E+01	7.24E-01	8.52E-05	1.01E-01	4.07E+00	2.02E-01	2.81E+00	2.67E+00	3.96E+01
4028	487863.09	3854377.25	3.82148	2.89995	3.39328	1.97913	9.24559	1.48968	2.92744	2.89995	3.92E+01	1.31E+00	8.61E-05	1.02E-01	4.26E+00	2.06E-01	5.05E+00	4.81E+00	4.53E+01
4029	488363.09	3854377.25	3.84624	2.71928	2.42002	1.99533	5.14553	1.68261	2.7351	2.71928	3.94E+01	1.22E+00	6.14E-05	1.03E-01	2.37E+00	2.33E-01	4.72E+00	4.51E+00	4.36E+01
4030	488863.09	3854377.25	3.64704	2.46058	2.08459	2.00132	8.23271	1.79008	2.47507	2.46058	3.74E+01	1.11E+00	5.29E-05	1.04E-01	3.79E+00	2.47E-01	4.27E+00	4.08E+00	4.28E+01
4031	489363.09	3854377.25	3.44931	1.7497	1.91217	1.99526	10.31904	1.77204	1.75819	1.7497	3.54E+01	7.87E-01	4.85E-05	1.03E-01	4.76E+00	2.45E-01	3.04E+00	2.90E+00	4.14E+01
4032	489863.09	3854377.25	3.16052	1.87815	2.04863	1.9796	7.71003	1.72349	1.89707	1.87815	3.24E+01	8.45E-01	5.20E-05	1.02E-01	3.55E+00	2.38E-01	3.28E+00	3.11E+00	3.73E+01
4033	490363.09	3854377.25	3.07589	1.88849	1.8879	1.95655	8.20599	1.45381	1.90133	1.88849	3.15E+01	8.50E-01	4.79E-05	1.01E-01	3.78E+00	2.01E-01	3.28E+00	3.13E+00	3.66E+01
4034	490863.09	3854377.25	2.44683	1.5586	1.92415	1.88593	5.78516	1.38157	1.56564	1.5586	2.51E+01	7.01E-01	4.88E-05	9.76E-02	2.67E+00	1.91E-01	2.70E+00	2.58E+00	2.89E+01
4035	491363.09	3854377.25	2.52445	1.38515	1.81513	1.89682	8.67032	1.39216	1.39247	1.38515	2.59E+01	6.23E-01	4.60E-05	9.82E-02	4.00E+00	1.92E-01	2.40E+00	2.30E+00	3.09E+01
4036	491863.09	3854377.25	2.60125	1.31958	1.59768	1.87891	8.219	1.39588	1.33401	1.31958	2.67E+01	5.94E-01	4.05E-05	9.73E-02	3.79E+00	1.93E-01	2.30E+00	2.19E+00	3.15E+01
4037	492363.09	3854377.25	2.6654	1.39336	1.63912	1.85326	9.76082	1.54456	1.40555	1.39336	2.73E+01	6.27E-01	4.16E-05	9.59E-02	4.50E+00	2.14E-01	2.43E+00	2.31E+00	3.29E+01
4038	492863.09	3854377.25	2.71307	1.36032	1.63073	2.02509	10.3539	1.40459	1.3698	1.36032	2.78E+01	6.12E-01	4.14E-05	1.05E-01	4.77E+00	1.94E-01	2.36E+00	2.25E+00	3.36E+01
4039	493363.09	3854377.25	2.74991	1.32851	1.43151	2.33253	14.71407	1.32708	1.33945	1.32851	2.82E+01	5.98E-01	3.63E-05	1.21E-01	6.78E+00	1.83E-01	2.31E+00	2.20E+00	3.60E+01
4040	493863.09	3854377.25	2.78547	1.29299	1.37224	2.07022	15.77424	1.30253	1.30143	1.29299	2.86E+01	5.82E-01	3.48E-05	1.07E-01	7.27E+00	1.80E-01	2.25E+00	2.14E+00	3.68E+01
4041	494363.09	3854377.25	2.82007	1.23358	1.40658	2.72234	6.88791	1.26973	1.24073	1.23358	2.89E+01	5.55E-01	3.57E-05	1.41E-01	3.17E+00	1.76E-01	2.14E+00	2.04E+00	3.31E+01
4042	494863.09	3854377.25	2.82074	0.99228	1.32079	1.352	4.77405	1.03977	0.99779	0.99228	2.89E+01	4.47E-01	3.35E-05	7.00E-02	2.20E+00	1.44E-01	1.72E+00	1.64E+00	3.19E+01
4043	495363.09	3854377.25	1.57908	0.65054	1.30216	1.50173	4.18465	1.08662	0.65448	0.65054	1.62E+01	2.93E-01	3.30E-05	7.77E-02	1.93E+00	1.50E-01	1.13E+00	1.08E+00	1.87E+01
4044	495863.09	3854377.25	1.45743	0.4556	1.28351	1.04408	4.04601	1.12828	0.51413	0.4556	1.49E+01	2.05E-01	3.26E-05	5.40E-02	1.86E+00	1.56E-01	8.88E-01	7.55E-01	1.74E+01
4045	496363.09	3854377.25	1.46383	0.47008	1.2655	0.8308	3.21299	1.03571	0.50656	0.47008	1.50E+01	2.12E-01	3.21E-05	4.30E-02	1.48E+00	1.43E-01	8.75E-01	7.79E-01	1.70E+01
4046	496863.09	3854377.25	1.48343	0.48626	1.24818	0.81355	3.23117	0.88803	0.49925	0.48626	1.52E+01	2.19E-01	3.17E-05	4.21E-02	1.49E+00	1.23E-01	8.62E-01	8.06E-01	1.71E+01
4047	497363.09	3854377.25	1.50247	0.50012	1.22807	1.34574	3.56842	0.78822	0.5042	0.50012	1.54E+01	2.25E-01	3.12E-05	6.97E-02	1.64E+00	1.09E-01	8.71E-01	8.29E-01	1.75E+01
4048	497863.09	3854377.25	1.52095	0.51083	1.21614	1.8226	3.73545	0.76838	0.51482	0.51083	1.56E+01	2.30E-01	3.09E-05	9.43E-02	1.72E+00	1.06E-01	8.89E-01	8.46E-01	1.78E+01
4049	498363.09	3854377.25	1.539	0.51828	1.19891	2.11925	3.73474	0.75768	0.52216	0.51828	1.58E+01	2.33E-01	3.04E-05	1.10E-01	1.72E+00	1.05E-01	9.02E-01	8.59E-01	1.80E+01
4050	471363.09	3854877.25	3.31276	1.02963	1.37948	1.45097	6.40504	2.19858	0.93238	1.02963	3.40E+01	4.63E-01	3.50E-05	7.51E-02	2.95E+00	3.04E-01	1.61E+00	1.71E+00	3.77E+01
4051	471863.09	3854877.25	3.41717	1.00933	1.50541	1.53378	6.63422	2.32383	0.87538	1.00933	3.50E+01	4.54E-01	3.82E-05	7.94E-02	3.06E+00	3.21E-01	1.51E+00	1.67E+00	3.88E+01
4052	472363.09	3854877.25	3.50155	0.99155	1.61476	1.57413	6.49471	2.41067	0.81583	0.99155	3.59E+01	4.46E-01	4.10E-05	8.15E-02	2.99E+00	3.33E-01	1.41E+00	1.64E+00	3.95E+01
4053	472863.09	3854877.25	3.56993	0.97358	1.70138	1.57849	5.79758	2.44051	0.79279	0.97358	3.66E+01	4.38E-01	4.32E-05	8.17E-02	2.67E+00	3.37E-01	1.37E+00	1.61E+00	3.99E+01
4054	473363.09	3854877.25	3.69315	0.95455	1.75876	1.56619	5.46667	2.42347	0.83744	0.95455	3.79E+01	4.30E-01	4.46E-05	8.11E-02	2.52E+00	3.35E-01	1.45E+00	1.58E+00	4.11E+01
4055	473863.09	3854877.25	3.85665	0.95012	1.77985	1.55769	4.83511	2.34335	0.86889	0.95012	3.95E+01	4.28E-01	4.52E-05	8.06E-02	2.23E+00	3.24E-01	1.50E+00	1.57E+00	4.25E+01
4056	474363.09	3854877.25	4.09483	0.99397	1.75765	1.99282	6.07071	2.28944	0.85382	0.99397	4.20E+01	4.47E-01	4.46E-05	1.03E-01	2.80E+00	3.17E-01	1.47E+00	1.65E+00	4.55E+01
4057	474863.09	3854877.25	4.25698	0.85963	1.68826	1.60884	5.26324	2.00978	0.75168	0.85963	4.37E+01	3.87E-01	4.28E-05	8.33E-02	2.43E+00	2.78E-01	1.30E+00	1.42E+00	4.67E+01
4058	475363.09	3854877.25	3.19137	0.81049	1.31804	1.67093	3.26748	1.80422	0.53894	0.81049	3.27E+01	3.65E-01	3.34E-05	8.65E-02	1.51E+00	2.49E-01	9.30E-01	1.34E+00	3.45E+01
4059	475863.09	3854877.25	3.29957	0.75808	1.14238	1.73327	3.10832	1.62788	0.52684	0.75808	3.38E+01	3.41E-01	2.90E-05	8.97E-02	1.43E+00	2.25E-01	9.10E-01	1.26E+00	3.56E+01
4060	476363.09	3854877.25	2.50232	0.71089	1.00504	1.76514	4.56078	1.45344	0.52403	0.71089	2.57E+01	3.20E-01	2.55E-05	9.14E-02	2.10E+00	2.01E-01	9.05E-01	1.18E+00	2.81E+01
4061	476863.09	3854877.25	2.55424	0.6741	0.96494	1.74546	6.28926	1.41063	0.5251	0.6741	2.62E+01	3.03E-01	2.45E-05	9.04E-02	2.90E+00	1.95E-01	9.07E-01	1.12E+00	2.95E+01
4062	477363.09	3854877.25	2.54633	0.65186	0.99073	1.67385	8.08077	1.40278	0.52795	0.65186	2.61E+01	2.93E-01	2.51E-05	8.66E-02	3.72E+00	1.94E-01	9.12E-01	1.08E+00	3.02E+01
4063	477863.09	3854877.25	2.49838	0.64258	1.08045	1.57222	9.57306	1.43155	0.53146	0.64258	2.56E+01	2.89E-01	2.74E-05	8.14E-02	4.41E+00	1.98E-01	9.18E-01	1.06E+00	3.05E+01
4064	478363.09	3854877.25	3.52677	0.64055	1.32138	1.4728	10.31859	1.67008	0.61018	0.64055	3.62E+01	2.88E-01	3.35E-05	7.62E-02	4.76E+00	2.31E-01	1.05E+00	1.06E+00	4.15E+01
4065	478863.09	3854877.25	3.49233	0.98168	1.46435	1.40102	9.94346	1.74611	0.99563	0.98168	3.58E+01	4.42E-01	3.71E-05	7.25E-02	4.58E+00	2.41E-01	1.72E+00	1.63E+00	4.12E+01
4066	479363.09	3854877.25	4.72626	1.20907	1.82234	1.83092	9.97411	1.71022	1.22016	1.20907	4.85E+01	5.44E-01	4.62E-05	9.48E-02	4.60E+00	2.36E-01	2.11E+00	2.00E+00	5.40E+01
4067	479863.09	3854877.25	4.73232	1.40676	3.13632	2.58303	11.93947	2.08778	1.42274	1.40676	4.85E+01	6.33E-01	7.96E-05	1.34E-01	5.50E+00	2.89E-01	2.46E+00	2.33E+00	5.52E+01

4068	480363.09	3854877.25	4.75096	1.2536	2.91138	2.79815	7.80717	2.03106	1.29819	1.2536	4.87E+01	5.64E-01	7.39E-05	1.45E-01	3.60E+00	2.81E-01	2.24E+00	2.08E+00	5.35E+01
4069	480863.09	3854877.25	5.3719	1.31398	2.4342	2.93993	10.09387	2.16649	1.50739	1.31398	5.51E+01	5.91E-01	6.18E-05	1.52E-01	4.65E+00	3.00E-01	2.60E+00	2.18E+00	6.12E+01
4070	481363.09	3854877.25	6.1683	2.75761	5.13026	3.06869	11.0949	2.32417	1.78004	2.75761	6.32E+01	1.24E+00	1.30E-04	1.59E-01	5.11E+00	3.21E-01	3.07E+00	4.57E+00	6.86E+01
4071	481863.09	3854877.25	8.92628	2.94483	4.37829	3.07282	12.187	2.54072	2.02213	2.94483	9.15E+01	1.33E+00	1.11E-04	1.59E-01	5.62E+00	3.51E-01	3.49E+00	4.88E+00	9.76E+01
4072	482363.09	3854877.25	8.83906	5.86408	14.59286	2.82854	12.09328	7.34651	2.21589	5.86408	9.06E+01	2.64E+00	3.70E-04	1.46E-01	5.57E+00	1.02E+00	3.83E+00	9.72E+00	9.41E+01
4073	482863.09	3854877.25	10.14847	10.30783	22.06789	3.67779	9.73318	9.91763	3.71999	10.30783	1.04E+02	4.64E+00	5.60E-04	1.90E-01	4.49E+00	1.37E+00	6.42E+00	1.71E+01	1.04E+02
4074	483363.09	3854877.25	10.72495	8.87657	90.1314	5.85237	15.32644	8.74877	4.2886	8.87657	1.10E+02	3.99E+00	2.29E-03	3.03E-01	7.06E+00	1.21E+00	7.40E+00	1.47E+01	1.15E+02
4075	483863.09	3854877.25	11.17008	5.88494	35.03974	8.115	22.35244	5.47701	12.0327	5.88494	1.15E+02	2.65E+00	8.89E-04	4.20E-01	1.03E+01	7.57E-01	2.08E+01	9.75E+00	1.40E+02
4076	484363.09	3854877.25	12.15696	2.39231	13.68383	17.09337	25.40111	14.28751	19.2947	2.39231	1.25E+02	1.08E+00	3.47E-04	8.85E-01	1.17E+01	1.98E+00	3.33E+01	3.96E+00	1.70E+02
4077	484863.09	3854877.25	12.21084	2.47093	9.26361	19.01644	19.89853	7.42407	7.63198	2.47093	1.25E+02	1.11E+00	2.35E-04	9.84E-01	9.17E+00	1.03E+00	1.32E+01	4.09E+00	1.47E+02
4078	485363.09	3854877.25	8.75539	3.19235	7.57001	8.8959	17.59125	4.33837	4.50088	3.19235	8.98E+01	1.44E+00	1.92E-04	4.61E-01	8.11E+00	6.00E-01	7.77E+00	5.29E+00	1.03E+02
4079	485863.09	3854877.25	6.53843	3.03233	6.37244	5.84294	21.88146	2.87145	3.10971	3.03233	6.70E+01	1.36E+00	1.62E-04	3.02E-01	1.01E+01	3.97E-01	5.37E+00	5.02E+00	7.95E+01
4080	486363.09	3854877.25	5.46764	4.24316	5.45348	4.14862	18.38164	2.04741	4.30088	4.24316	5.61E+01	1.91E+00	1.38E-04	2.15E-01	8.47E+00	2.83E-01	7.43E+00	7.03E+00	6.73E+01
4081	486863.09	3854877.25	4.94091	3.95533	4.77576	3.17765	15.18358	1.72141	3.99206	3.95533	5.07E+01	1.78E+00	1.21E-04	1.64E-01	7.00E+00	2.38E-01	6.89E+00	6.55E+00	6.02E+01
4082	487363.09	3854877.25	4.90714	2.46901	4.25211	2.86166	15.54799	1.75326	2.48522	2.46901	5.03E+01	1.11E+00	1.08E-04	1.48E-01	7.17E+00	2.42E-01	4.29E+00	4.09E+00	5.92E+01
4083	487863.09	3854877.25	4.62719	1.17172	3.84886	2.54619	13.83225	1.76792	1.49789	1.17172	4.74E+01	5.27E-01	9.76E-05	1.32E-01	6.37E+00	2.44E-01	2.59E+00	1.94E+00	5.54E+01
4084	488363.09	3854877.25	4.26359	1.80611	3.52347	2.28398	8.03919	1.83532	1.83006	1.80611	4.37E+01	8.13E-01	8.94E-05	1.18E-01	3.70E+00	2.54E-01	3.16E+00	2.99E+00	4.88E+01
4085	488863.09	3854877.25	3.87748	2.60709	3.42143	2.07164	21.59373	1.81925	2.63651	2.60709	3.98E+01	1.17E+00	8.68E-05	1.07E-01	9.95E+00	2.52E-01	4.55E+00	4.32E+00	5.15E+01
4086	489363.09	3854877.25	3.56245	2.53328	3.03362	1.89273	14.89252	1.78726	2.55563	2.53328	3.65E+01	1.14E+00	7.70E-05	9.80E-02	6.86E+00	2.47E-01	4.41E+00	4.20E+00	4.51E+01
4087	489863.09	3854877.25	3.53576	2.36113	2.84607	1.84005	13.84021	1.66357	2.38081	2.36113	3.63E+01	1.06E+00	7.22E-05	9.53E-02	6.38E+00	2.30E-01	4.11E+00	3.91E+00	4.42E+01
4088	490363.09	3854877.25	3.45449	1.87101	1.59703	1.75781	7.41998	1.34433	1.87968	1.87101	3.54E+01	8.42E-01	4.05E-05	9.10E-02	3.42E+00	1.86E-01	3.25E+00	3.10E+00	4.01E+01
4089	490863.09	3854877.25	3.41289	1.02764	1.54686	1.3123	8.75913	0.86853	1.03335	1.02764	3.50E+01	4.62E-01	3.92E-05	6.79E-02	4.04E+00	1.20E-01	1.78E+00	1.70E+00	3.98E+01
4090	491363.09	3854877.25	3.462	1.0794	1.53427	1.20013	7.21027	1.03481	1.08851	1.0794	3.55E+01	4.86E-01	3.89E-05	6.21E-02	3.32E+00	1.43E-01	1.88E+00	1.79E+00	3.96E+01
4091	491863.09	3854877.25	3.63435	1.7187	2.33105	1.72145	13.81	1.42824	1.73174	1.7187	3.73E+01	7.73E-01	5.91E-05	8.91E-02	6.36E+00	1.97E-01	2.99E+00	2.85E+00	4.48E+01
4092	492363.09	3854877.25	3.68745	1.45973	2.49257	2.2034	15.94185	1.4788	1.46916	1.45973	3.78E+01	6.57E-01	6.32E-05	1.14E-01	7.35E+00	2.04E-01	2.54E+00	2.42E+00	4.63E+01
4093	492863.09	3854877.25	3.68861	1.21882	2.19767	5.25479	16.34082	1.38243	1.22591	1.21882	3.78E+01	5.49E-01	5.58E-05	2.72E-01	7.53E+00	1.91E-01	2.12E+00	2.02E+00	4.65E+01
4094	493363.09	3854877.25	3.67751	1.19163	1.80387	1.94427	13.79084	1.30156	1.20532	1.19163	3.77E+01	5.36E-01	4.58E-05	1.01E-01	6.36E+00	1.80E-01	2.08E+00	1.97E+00	4.50E+01
4095	493863.09	3854877.25	3.68131	1.22654	1.594	3.9369	8.97279	1.24215	1.23806	1.22654	3.77E+01	5.52E-01	4.04E-05	2.04E-01	4.14E+00	1.72E-01	2.14E+00	2.03E+00	4.29E+01
4096	494363.09	3854877.25	3.6259	0.99932	1.41315	1.44881	5.20019	1.12474	1.00562	0.99932	3.72E+01	4.50E-01	3.58E-05	7.50E-02	2.40E+00	1.55E-01	1.74E+00	1.66E+00	4.03E+01
4097	494863.09	3854877.25	1.80783	0.62653	1.40884	1.50072	3.86763	1.1589	0.63097	0.62653	1.85E+01	2.82E-01	3.57E-05	7.77E-02	1.78E+00	1.60E-01	1.09E+00	1.04E+00	2.09E+01
4098	495363.09	3854877.25	1.81976	0.57203	1.39834	0.953	3.80148	1.03431	0.57609	0.57203	1.87E+01	2.57E-01	3.55E-05	4.93E-02	1.75E+00	1.43E-01	9.95E-01	9.48E-01	2.09E+01
4099	495863.09	3854877.25	1.83149	0.43422	1.38404	0.79515	4.10336	0.86966	0.4702	0.43422	1.88E+01	1.95E-01	3.51E-05	4.12E-02	1.89E+00	1.20E-01	8.12E-01	7.19E-01	2.11E+01
4100	496363.09	3854877.25	1.84292	0.43137	1.3637	1.48931	4.17064	0.77818	0.46505	0.43137	1.89E+01	1.94E-01	3.46E-05	7.71E-02	1.92E+00	1.08E-01	8.03E-01	7.15E-01	2.13E+01
4101	496863.09	3854877.25	1.85412	0.42855	1.31403	1.89947	4.03021	0.76451	0.46004	0.42855	1.90E+01	1.93E-01	3.33E-05	9.83E-02	1.86E+00	1.06E-01	7.94E-01	7.10E-01	2.14E+01
4102	497363.09	3854877.25	1.86506	0.42575	1.29707	2.20863	3.731	0.75817	0.45516	0.42575	1.91E+01	1.92E-01	3.29E-05	1.14E-01	1.72E+00	1.05E-01	7.86E-01	7.05E-01	2.13E+01
4103	497863.09	3854877.25	1.87561	0.42298	1.31289	2.1083	3.32969	0.75188	0.45041	0.42298	1.92E+01	1.90E-01	3.33E-05	1.09E-01	1.53E+00	1.04E-01	7.78E-01	7.01E-01	2.12E+01
4104	498363.09	3854877.25	1.88588	0.43264	1.29386	1.53558	3.08066	0.74565	0.44578	0.43264	1.93E+01	1.95E-01	3.28E-05	7.95E-02	1.42E+00	1.03E-01	7.70E-01	7.17E-01	2.12E+01
4105	471363.09	3855377.25	2.75659	1.17988	0.94443	0.97814	6.68088	1.55072	1.16977	1.17988	2.83E+01	5.31E-01	2.40E-05	5.06E-02	3.08E+00	2.14E-01	2.02E+00	1.95E+00	3.22E+01
4106	471863.09	3855377.25	2.94771	1.14158	0.98445	1.05623	7.17153	1.74965	1.1206	1.14158	3.02E+01	5.14E-01	2.50E-05	5.47E-02	3.30E+00	2.42E-01	1.93E+00	1.89E+00	3.44E+01
4107	472363.09	3855377.25	3.13215	1.10353	1.13835	1.23079	7.85152	1.94345	1.06677	1.10353	3.21E+01	4.97E-01	2.89E-05	6.37E-02	3.62E+00	2.69E-01	1.84E+00	1.83E+00	3.66E+01
4108	472863.09	3855377.25	3.27238	1.0709	1.29388	1.3947	8.06402	2.1232	1.01077	1.0709	3.36E+01	4.82E-01	3.28E-05	7.22E-02	3.72E+00	2.94E-01	1.75E+00	1.77E+00	3.81E+01
4109	473363.09	3855377.25	3.40367	1.04712	1.44384	1.5287	8.61132	2.29028	0.95605	1.04712	3.49E+01	4.71E-01	3.66E-05	7.91E-02	3.97E+00	3.17E-01	1.65E+00	1.74E+00	3.97E+01
4110	473863.09	3855377.25	3.49976	1.02876	1.64045	1.63717	8.7736	2.4315	0.89805	1.02876	3.59E+01	4.63E-01	4.16E-05	8.48E-02	4.04E+00	3.36E-01	1.55E+00	1.70E+00	4.07E+01
4111	474363.09	3855377.25	3.57572	1.02883	1.71975	1.84518	9.31295	2.53507	0.9433	1.02883	3.67E+01	4.63E-01	4.36E-05	9.55E-02	4.29E+00	3.50E-01	1.63E+00	1.70E+00	4.18E+01
4112	474863.09	3855377.25	3.53168	0.99464	1.79402	1.6193	7.1338	2.54448	0.76404	0.99464	3.62E+01	4.48E-01	4.55E-05	8.38E-02	3.29E+00	3.52E-01	1.32E+00	1.65E+00	4.01E+01
4113	475363.09	3855377.25	1.7557	0.9702	1.55186	1.58035	2.06254	2.44445	0.6912	0.9702	1.80E+01	4.37E-01	3.94E-05	8.18E-02	9.51E-01	3.38E-01	1.19E+00	1.61E+00	1.94E+01
4114	475863.09	3855377.25	1.81735	0.94763	1.5118	1.55446	2.12953	2.30379	0.63268	0.94763	1.86E+01	4.26E-01	3.84E-05	8.05E-02	9.81E-01	3.19E-01	1.09E+00	1.57E+00	2.00E+01
4115	476363.09	3855377.25	1.92095	0.91773	1.49352	1.56443	2.38815	2.09914	0.58676	0.91773	1.97E+01	4.13E-01	3.79E-05	8.10E-02	1.10E+00	2.90E-01	1.01E+00	1.52E+00	2.11E+01
4116	476863.09	3855377.25	2.07268	0.87729	1.38228	1.62011	2.61994	1.86884	0.55603	0.87729	2.13E+01	3.95E-01	3.51E-05	8.39E-02	1.21E+00	2.58E-01	9.60E-01	1.45E+00	2.27E+01
4117	477363.09	3855377.25	2.25872	0.82538	1.23359	1.70936	2.83537	1.66757	0.53935	0.82538	2.32E+01	3.71E-01	3.13E-05	8.85E-02	1.31E+00	2.31E-01	9.31E-01	1.37E+00	2.47E+01
4118	477863.09	3855377.25	2.43907	0.76676	1.10659	1.79868	3.01551	1.54354	0.60996	0.76676	2.50E+01	3.45E-01	2.81E-05	9.31E-02	1.39E+00	2.13E-01	1.05E+00	1.27E+00	2.68E+01
4119	478363.09	3855377.25	3.52121	0.84638	1.47177	1.84513	4.29615	1.60849	0.85717	0.84638	3.61E+01	3.81E-01	3.73E-05	9.55E-02	1.98E+00	2.22E-01	1.48E+00	1.40E+00	3.89E+01
4120	478863.09	3855377.25	3.63816	1.1481	1.63892	1.81886	6.29891	1.6866	1.16458	1.1481	3.73E+01	5.17E-01	4.16E-05	9.42E-02	2.90E+00	2.33E-01	2.01E+00	1.90E+00	4.12E+01
4121	479363.09	3855377.25	5.20875	1.11108	1.78639	1.725	10.15284	1.82643	1.13163	1.11108	5.34E+01	5.00E-01	4.53E-05	8.93E-02	4.68E+00	2.53E-01	1.95E+00	1.84E+00	5.90E+01
4122	479863.09	3855377.25	5.16786	1.24874	1.87963	2.07776	11.57785	1.80605	1.26141	1.24874	5.30E+01	5.62E-01	4.77E-05	1.08E-01	5.34E+00	2.50E-01	2.18E+00	2.07E+00	5.94E+01
4123	480363.09	3855377.25	5.50591	1.4474	3.96361	2.80128	23.18092	2.22018	1.27094	1.4474	5.65E+01	6.51E-01	1.01E-04	1.45E-01	1.07E+01	3.07E-01	2.19E+00	2.40E+00	6.80E+01
4124	480863.09	3855377.25	6.19992	1.88751	7.13284	2.92263	22.68683	2.51373	1.25679	1.88751	6.36E+01	8.49E-01	1.81E-04	1.51E-01	1.05E+01	3.48E-01	2.17E+00	3.13E+00	7.44E+01
4125	481363.09	3855377.25	6.09017	1.90349	12.02766	3.02584	19.48883	2.8296	1.45093	1.90349	6.24E+01	8.57E-01	3.05E-04	1.57E-01	8.98E+00	3.91E-01	2.51E+00	3.15E+00	7.22E+01
4126	481863.09	3855377.25	6.35852	2.11065	15.00299	2.81337	12.69431	3.6809	1.48194	2.11065	6.52E+01	9.50E-01	3.81E-04	1.46E-01	5.85E+00	5.09E-01	2.56E+00	3.50E+00	7.17E+01

4127	482363.09	3855377.25	7.8677	3.9093	18.86488	2.63203	10.63984	5.92612	2.08875	3.9093	8.07E+01	1.76E+00	4.79E-04	1.36E-01	4.90E+00	8.19E-01	3.61E+00	6.48E+00	8.54E+01
4128	482863.09	3855377.25	10.07392	5.03106	20.40312	2.72973	12.77242	8.16484	2.5532	5.03106	1.03E+02	2.26E+00	5.18E-04	1.41E-01	5.89E+00	1.13E+00	4.41E+00	8.34E+00	1.09E+02
4129	483363.09	3855377.25	10.40371	10.16654	24.55366	3.25526	15.24991	17.41457	3.08308	10.16654	1.07E+02	4.58E+00	6.23E-04	1.69E-01	7.03E+00	2.41E+00	5.32E+00	1.68E+01	1.09E+02
4130	483863.09	3855377.25	13.33107	11.61467	23.12799	5.09633	14.02881	6.54233	4.68523	11.61467	1.37E+02	5.23E+00	5.87E-04	2.64E-01	6.47E+00	9.04E-01	8.09E+00	1.92E+01	1.38E+02
4131	484363.09	3855377.25	10.53843	4.79783	25.38049	7.27762	21.56466	4.52216	8.60513	4.79783	1.08E+02	2.16E+00	6.44E-04	3.77E-01	9.94E+00	6.25E-01	1.49E+01	7.95E+00	1.28E+02
4132	484863.09	3855377.25	11.61308	2.08009	14.13522	10.37206	34.35147	7.08961	7.864	2.08009	1.19E+02	9.36E-01	3.59E-04	5.37E-01	1.58E+01	9.80E-01	1.36E+01	3.45E+00	1.47E+02
4133	485363.09	3855377.25	11.30083	2.53017	11.10373	32.24383	24.1006	13.21511	12.6906	2.53017	1.16E+02	1.14E+00	2.82E-04	1.67E+00	1.11E+01	1.83E+00	2.19E+01	4.19E+00	1.49E+02
4134	485863.09	3855377.25	7.89089	2.552	10.11074	9.38907	32.20441	4.69939	5.00263	2.552	8.09E+01	1.15E+00	2.56E-04	4.86E-01	1.48E+01	6.50E-01	8.64E+00	4.23E+00	1.02E+02
4135	486363.09	3855377.25	7.09929	3.20429	5.72438	6.13107	26.63284	3.46488	3.58956	3.20429	7.28E+01	1.44E+00	1.45E-04	3.17E-01	1.23E+01	4.79E-01	6.20E+00	5.31E+00	8.82E+01
4136	486863.09	3855377.25	6.37436	3.37727	4.63209	4.84804	24.82138	2.63344	3.45038	3.37727	6.54E+01	1.52E+00	1.18E-04	2.51E-01	1.14E+01	3.64E-01	5.96E+00	5.60E+00	7.93E+01
4137	487363.09	3855377.25	5.53448	4.04417	4.3567	3.56644	26.85102	2.34043	4.11304	4.04417	5.68E+01	1.82E+00	1.11E-04	1.85E-01	1.24E+01	3.24E-01	7.10E+00	6.70E+00	7.19E+01
4138	487863.09	3855377.25	4.79822	3.54414	4.63344	3.0989	22.06051	2.34514	3.58966	3.54414	4.92E+01	1.60E+00	1.18E-04	1.60E-01	1.02E+01	3.24E-01	6.20E+00	5.87E+00	6.18E+01
4139	488363.09	3855377.25	4.27869	2.16887	4.24683	2.68531	22.87071	2.12115	2.19886	2.16887	4.39E+01	9.76E-01	1.08E-04	1.39E-01	1.05E+01	2.93E-01	3.80E+00	3.59E+00	5.60E+01
4140	488863.09	3855377.25	4.11638	1.20621	4.2376	2.36969	32.39118	1.95341	1.37359	1.20621	4.22E+01	5.43E-01	1.07E-04	1.23E-01	1.49E+01	2.70E-01	2.37E+00	2.00E+00	5.84E+01
4141	489363.09	3855377.25	4.12541	1.69962	4.03375	2.12115	27.04029	1.76662	1.72372	1.69962	4.23E+01	7.65E-01	1.02E-04	1.10E-01	1.25E+01	2.44E-01	2.98E+00	2.82E+00	5.60E+01
4142	489863.09	3855377.25	4.22999	2.18929	3.49993	1.91435	22.954	1.70251	2.21587	2.18929	4.34E+01	9.85E-01	8.88E-05	9.91E-02	1.06E+01	2.35E-01	3.83E+00	3.63E+00	5.55E+01
4143	490363.09	3855377.25	4.17437	2.21553	3.18142	1.75681	21.9756	1.70517	2.23939	2.21553	4.28E+01	9.97E-01	8.07E-05	9.09E-02	1.01E+01	2.36E-01	3.87E+00	3.67E+00	5.45E+01
4144	490863.09	3855377.25	4.09806	1.98802	1.59066	1.62782	8.47328	1.26027	1.99828	1.98802	4.20E+01	8.95E-01	4.04E-05	8.43E-02	3.90E+00	1.74E-01	3.45E+00	3.29E+00	4.72E+01
4145	491363.09	3855377.25	4.06844	1.70291	1.62198	1.29536	8.54762	0.88733	1.71169	1.70291	4.17E+01	7.66E-01	4.11E-05	6.71E-02	3.94E+00	1.23E-01	2.96E+00	2.82E+00	4.67E+01
4146	491863.09	3855377.25	4.34673	1.37453	2.80849	1.6683	17.82018	1.61008	1.38346	1.37453	4.46E+01	6.19E-01	7.12E-05	8.64E-02	8.21E+00	2.23E-01	2.39E+00	2.28E+00	5.38E+01
4147	492363.09	3855377.25	4.40456	1.50944	2.82748	3.60993	16.60324	1.62585	1.52677	1.50944	4.52E+01	6.79E-01	7.17E-05	1.87E-01	7.65E+00	2.25E-01	2.64E+00	2.50E+00	5.40E+01
4148	492863.09	3855377.25	4.33711	1.59003	2.8171	2.83182	12.94253	1.36777	1.6052	1.59003	4.45E+01	7.16E-01	7.15E-05	1.47E-01	5.96E+00	1.89E-01	2.77E+00	2.63E+00	5.16E+01
4149	493363.09	3855377.25	4.24432	1.55221	1.69859	4.83793	9.11101	1.23236	1.56318	1.55221	4.35E+01	6.99E-01	4.31E-05	2.50E-01	4.20E+00	1.70E-01	2.70E+00	2.57E+00	4.90E+01
4150	493863.09	3855377.25	4.15804	1.25514	1.56698	2.01395	9.06845	1.18894	1.26139	1.25514	4.26E+01	5.65E-01	3.98E-05	1.04E-01	4.18E+00	1.64E-01	2.18E+00	2.08E+00	4.77E+01
4151	494363.09	3855377.25	2.05866	0.73936	1.5399	1.38992	5.3306	1.02692	0.74345	0.73936	2.11E+01	3.33E-01	3.91E-05	7.20E-02	2.46E+00	1.42E-01	1.28E+00	1.23E+00	2.42E+01
4152	494863.09	3855377.25	2.06623	0.54938	1.50501	0.79391	4.59676	0.84794	0.55361	0.54938	2.12E+01	2.47E-01	3.82E-05	4.11E-02	2.12E+00	1.17E-01	9.56E-01	9.10E-01	2.38E+01
4153	495363.09	3855377.25	2.07336	0.45926	1.45986	1.64967	4.24251	0.79081	0.45287	0.45926	2.13E+01	2.07E-01	3.70E-05	8.54E-02	1.96E+00	1.09E-01	7.82E-01	7.61E-01	2.36E+01
4154	495863.09	3855377.25	2.08	0.45601	1.37389	1.96642	3.73736	0.78253	0.44906	0.45601	2.13E+01	2.05E-01	3.49E-05	1.02E-01	1.72E+00	1.08E-01	7.75E-01	7.56E-01	2.35E+01
4155	496363.09	3855377.25	2.08605	0.45277	1.33662	2.30528	3.49231	0.77704	0.44529	0.45277	2.14E+01	2.04E-01	3.39E-05	1.19E-01	1.61E+00	1.07E-01	7.69E-01	7.50E-01	2.34E+01
4156	496863.09	3855377.25	2.09136	0.44953	1.27979	2.1281	3.3652	0.77139	0.44155	0.44953	2.14E+01	2.02E-01	3.25E-05	1.10E-01	1.55E+00	1.07E-01	7.62E-01	7.45E-01	2.34E+01
4157	497363.09	3855377.25	2.09603	0.44631	1.26601	1.44228	3.15009	0.76559	0.43785	0.44631	2.15E+01	2.01E-01	3.21E-05	7.47E-02	1.45E+00	1.06E-01	7.56E-01	7.40E-01	2.33E+01
4158	497863.09	3855377.25	2.09989	0.4431	1.26371	0.96937	2.87687	0.7597	0.43418	0.4431	2.15E+01	1.99E-01	3.21E-05	5.02E-02	1.33E+00	1.05E-01	7.50E-01	7.34E-01	2.32E+01
4159	498363.09	3855377.25	2.10294	0.4399	1.23345	0.85509	2.77928	0.75621	0.43054	0.4399	2.16E+01	1.98E-01	3.13E-05	4.43E-02	1.28E+00	1.05E-01	7.43E-01	7.29E-01	2.32E+01
4160	471363.09	3855877.25	1.94531	1.22425	0.97431	1.16783	5.21629	0.84306	1.23169	1.22425	1.99E+01	5.51E-01	2.47E-05	6.05E-02	2.40E+00	1.17E-01	2.13E+00	2.03E+00	2.32E+01
4161	471863.09	3855877.25	2.15545	1.26752	1.05548	1.16837	5.47266	0.99441	1.27386	1.26752	2.21E+01	5.70E-01	2.68E-05	6.05E-02	2.52E+00	1.37E-01	2.20E+00	2.10E+00	2.55E+01
4162	472363.09	3855877.25	2.38494	1.27533	1.21315	1.22945	5.94538	1.17488	1.28028	1.27533	2.45E+01	5.74E-01	3.08E-05	6.36E-02	2.74E+00	1.62E-01	2.21E+00	2.11E+00	2.81E+01
4163	472863.09	3855877.25	2.59077	1.25131	1.21276	1.18598	5.95805	1.37642	1.2524	1.25131	2.66E+01	5.63E-01	3.08E-05	6.14E-02	2.75E+00	1.90E-01	2.16E+00	2.07E+00	3.02E+01
4164	473363.09	3855877.25	2.83793	1.20936	1.35883	1.33219	6.38615	1.59136	1.20553	1.20936	2.91E+01	5.44E-01	3.45E-05	6.90E-02	2.94E+00	2.20E-01	2.08E+00	2.00E+00	3.30E+01
4165	473863.09	3855877.25	3.06291	1.16125	1.39697	1.38878	6.67909	1.80548	1.14814	1.16125	3.14E+01	5.23E-01	3.54E-05	7.19E-02	3.08E+00	2.50E-01	1.98E+00	1.92E+00	3.54E+01
4166	474363.09	3855877.25	3.25028	1.11783	1.36968	1.49102	7.65699	2.00978	1.08976	1.11783	3.33E+01	5.03E-01	3.47E-05	7.72E-02	3.53E+00	2.78E-01	1.88E+00	1.85E+00	3.77E+01
4167	474863.09	3855877.25	3.27999	1.08079	1.34776	1.46219	6.17047	2.18594	1.02719	1.08079	3.36E+01	4.86E-01	3.42E-05	7.57E-02	2.84E+00	3.02E-01	1.77E+00	1.79E+00	3.73E+01
4168	475363.09	3855877.25	2.28932	1.05371	1.28133	1.60894	2.37097	2.34774	0.96663	1.05371	2.35E+01	4.74E-01	3.25E-05	8.33E-02	1.09E+00	3.25E-01	1.67E+00	1.75E+00	2.54E+01
4169	475863.09	3855877.25	1.68479	1.03816	1.29345	1.69217	1.7504	2.48686	0.90755	1.03816	1.73E+01	4.67E-01	3.28E-05	8.76E-02	8.07E-01	3.44E-01	1.57E+00	1.72E+00	1.88E+01
4170	476363.09	3855877.25	1.69803	1.02462	1.38783	1.70274	1.88519	2.58742	0.84071	1.02462	1.74E+01	4.61E-01	3.52E-05	8.81E-02	8.69E-01	3.58E-01	1.45E+00	1.70E+00	1.89E+01
4171	476863.09	3855877.25	1.70688	1.00988	1.52591	1.65711	2.03167	2.6225	0.76713	1.00988	1.75E+01	4.54E-01	3.87E-05	8.58E-02	9.36E-01	3.63E-01	1.32E+00	1.67E+00	1.90E+01
4172	477363.09	3855877.25	1.72545	0.99312	1.59907	1.59075	2.17439	2.56275	0.69377	0.99312	1.77E+01	4.47E-01	4.06E-05	8.23E-02	1.00E+00	3.54E-01	1.20E+00	1.65E+00	1.91E+01
4173	477863.09	3855877.25	2.70065	0.9732	1.63364	1.545	2.31584	2.40264	0.65067	0.9732	2.77E+01	4.38E-01	4.14E-05	8.00E-02	1.07E+00	3.32E-01	1.12E+00	1.61E+00	2.91E+01
4174	478363.09	3855877.25	2.86047	0.94725	1.62383	1.55256	2.45366	2.17555	0.95471	0.94725	2.93E+01	4.26E-01	4.12E-05	8.04E-02	1.13E+00	3.01E-01	1.65E+00	1.57E+00	3.13E+01
4175	478863.09	3855877.25	4.11055	1.18415	1.63849	1.6264	3.79992	1.95595	1.20247	1.18415	4.21E+01	5.33E-01	4.16E-05	8.42E-02	1.75E+00	2.70E-01	2.08E+00	1.96E+00	4.49E+01
4176	479363.09	3855877.25	4.66734	1.37008	1.85202	1.75292	6.42764	1.84032	1.39581	1.37008	4.79E+01	6.17E-01	4.70E-05	9.07E-02	2.96E+00	2.54E-01	2.41E+00	2.27E+00	5.19E+01
4177	479863.09	3855877.25	5.21642	1.11202	2.04762	2.28512	8.4452	1.85589	1.07509	1.11202	5.35E+01	5.00E-01	5.19E-05	1.18E-01	3.89E+00	2.57E-01	1.86E+00	1.84E+00	5.83E+01
4178	480363.09	3855877.25	5.69801	1.17332	4.67062	2.5912	13.12531	2.08537	0.98427	1.17332	5.84E+01	5.28E-01	1.18E-04	1.34E-01	6.05E+00	2.88E-01	1.70E+00	1.94E+00	6.52E+01
4179	480863.09	3855877.25	6.09651	1.43324	5.978	3.84495	17.66763	2.71937	1.37995	1.43324	6.25E+01	6.45E-01	1.52E-04	1.99E-01	8.14E+00	3.76E-01	2.38E+00	2.37E+00	7.19E+01
4180	481363.09	3855877.25	6.93948	1.88796	6.36017	3.59873	18.34497	2.743	1.61483	1.88796	7.12E+01	8.50E-01	1.61E-04	1.86E-01	8.45E+00	3.79E-01	2.79E+00	3.13E+00	8.07E+01
4181	481863.09	3855877.25	6.41198	2.75401	12.65266	3.5076	24.29947	3.53535	1.77969	2.75401	6.57E+01	1.24E+00	3.21E-04	1.82E-01	1.12E+01	4.89E-01	3.07E+00	4.56E+00	7.74E+01
4182	482363.09	3855877.25	7.42013	2.53161	11.67897	2.91618	24.02349	3.46616	1.40052	2.53161	7.61E+01	1.14E+00	2.96E-04	1.51E-01	1.11E+01	4.79E-01	2.42E+00	4.19E+00	8.72E+01
4183	482863.09	3855877.25	9.32789	2.41437	15.72318	2.73157	23.18812	4.56333	1.43909	2.41437	9.56E+01	1.09E+00	3.99E-04	1.41E-01	1.07E+01	6.31E-01	2.48E+00	4.00E+00	1.07E+02
4184	483363.09	3855877.25	10.21299	5.06336	13.74807	2.70625	17.93276	8.67688	2.50356	5.06336	1.05E+02	2.28E+00	3.49E-04	1.40E-01	8.26E+00	1.20E+00	4.32E+00	8.39E+00	1.13E+02
4185	483863.09	3855877.25	13.8047	7.58976	20.95974	3.3168	14.51768	20.17569	2.85109	7.58976	1.42E+02	3.42E+00	5.32E-04	1.72E-01	6.69E+00	2.79E+00	4.92E+00	1.26E+01	1.47E+02

4186	484363.09	3855877.25	14.38068	16.04567	29.75987	4.04614	19.4696	6.81863	4.56339	16.04567	1.47E+02	7.22E+00	7.55E-04	2.09E-01	8.97E+00	9.43E-01	7.88E+00	2.66E+01	1.46E+02
4187	484863.09	3855877.25	11.1681	4.20705	34.25097	8.04246	22.50561	5.62	5.49192	4.20705	1.15E+02	1.89E+00	8.69E-04	4.16E-01	1.04E+01	7.77E-01	9.48E+00	6.97E+00	1.30E+02
4188	485363.09	3855877.25	11.26937	2.21175	26.59294	9.01158	34.90605	6.1766	7.21479	2.21175	1.16E+02	9.95E-01	6.75E-04	4.66E-01	1.61E+01	8.54E-01	1.25E+01	3.66E+00	1.43E+02
4189	485863.09	3855877.25	11.07297	2.1867	16.57449	56.14534	44.52293	14.71618	11.376	2.1867	1.14E+02	9.84E-01	4.20E-04	2.91E+00	2.05E+01	2.03E+00	1.96E+01	3.62E+00	1.56E+02
4190	486363.09	3855877.25	8.18944	1.98282	8.46453	11.00936	50.08504	5.52571	5.7473	1.98282	8.40E+01	8.92E-01	2.15E-04	5.70E-01	2.31E+01	7.64E-01	9.92E+00	3.29E+00	1.16E+02
4191	486863.09	3855877.25	7.20109	2.81948	6.1636	6.03677	52.97173	3.47809	3.41675	2.81948	7.38E+01	1.27E+00	1.56E-04	3.13E-01	2.44E+01	4.81E-01	5.90E+00	4.67E+00	1.02E+02
4192	487363.09	3855877.25	6.12209	2.57147	5.97638	4.28427	39.48329	3.04869	2.7646	2.57147	6.28E+01	1.16E+00	1.52E-04	2.22E-01	1.82E+01	4.21E-01	4.77E+00	4.26E+00	8.33E+01
4193	487863.09	3855877.25	5.32463	3.27914	6.11246	3.62809	35.39813	2.50778	3.38855	3.27914	5.46E+01	1.48E+00	1.55E-04	1.88E-01	1.63E+01	3.47E-01	5.85E+00	5.43E+00	7.33E+01
4194	488363.09	3855877.25	4.74664	3.04651	5.51954	3.33756	57.23898	2.17254	3.12488	3.04651	4.87E+01	1.37E+00	1.40E-04	1.73E-01	2.64E+01	3.00E-01	5.40E+00	5.05E+00	7.72E+01
4195	488863.09	3855877.25	4.28742	2.60696	4.81008	2.81048	41.9636	2.19137	2.65666	2.60696	4.40E+01	1.17E+00	1.22E-04	1.45E-01	1.93E+01	3.03E-01	4.59E+00	4.32E+00	6.52E+01
4196	489363.09	3855877.25	4.24171	1.67973	5.03565	2.25841	35.63128	1.85618	1.71422	1.67973	4.35E+01	7.56E-01	1.28E-04	1.17E-01	1.64E+01	2.57E-01	2.96E+00	2.78E+00	6.12E+01
4197	489863.09	3855877.25	4.27409	1.18688	4.04897	1.99246	38.2487	1.83397	1.22302	1.18688	4.38E+01	5.34E-01	1.03E-04	1.03E-01	1.76E+01	2.54E-01	2.11E+00	1.97E+00	6.25E+01
4198	490363.09	3855877.25	4.29087	1.50873	3.75772	2.02332	34.04935	1.81422	1.53096	1.50873	4.40E+01	6.79E-01	9.53E-05	1.05E-01	1.57E+01	2.51E-01	2.64E+00	2.50E+00	6.09E+01
4199	490863.09	3855877.25	4.43499	1.81988	3.49228	2.44737	28.19827	1.78445	1.84275	1.81988	4.55E+01	8.19E-01	8.86E-05	1.27E-01	1.30E+01	2.47E-01	3.18E+00	3.02E+00	5.98E+01
4200	491363.09	3855877.25	4.74235	2.11754	3.23586	2.20052	16.05433	1.58198	2.1386	2.11754	4.86E+01	9.53E-01	8.21E-05	1.14E-01	7.40E+00	2.19E-01	3.69E+00	3.51E+00	5.75E+01
4201	491863.09	3855877.25	4.56739	1.801	3.04619	2.23509	17.08776	1.74214	1.82116	1.801	4.68E+01	8.11E-01	7.73E-05	1.16E-01	7.87E+00	2.41E-01	3.14E+00	2.98E+00	5.60E+01
4202	492363.09	3855877.25	4.78538	1.7733	2.85334	10.61759	15.26916	1.70199	1.78927	1.7733	4.91E+01	7.98E-01	7.24E-05	5.50E-01	7.04E+00	2.35E-01	3.09E+00	2.94E+00	5.78E+01
4203	492863.09	3855877.25	4.74749	1.47469	2.67025	7.58843	14.5781	1.46026	1.48498	1.47469	4.87E+01	6.64E-01	6.77E-05	3.93E-01	6.72E+00	2.02E-01	2.56E+00	2.44E+00	5.68E+01
4204	493363.09	3855877.25	4.53485	1.18953	1.42866	3.34749	9.90505	1.25132	1.19583	1.18953	4.65E+01	5.35E-01	3.62E-05	1.73E-01	4.56E+00	1.73E-01	2.06E+00	1.97E+00	5.20E+01
4205	493863.09	3855877.25	4.43017	0.70913	1.35599	1.57703	8.52906	0.84247	0.71416	0.70913	4.54E+01	3.19E-01	3.44E-05	8.16E-02	3.93E+00	1.16E-01	1.23E+00	1.17E+00	4.99E+01
4206	494363.09	3855877.25	2.2131	0.49908	1.2885	1.77014	3.96233	0.83224	0.50368	0.49908	2.27E+01	2.25E-01	3.27E-05	9.16E-02	1.83E+00	1.15E-01	8.70E-01	8.27E-01	2.50E+01
4207	494863.09	3855877.25	2.21112	0.47976	1.21732	2.05555	3.68345	0.82167	0.45711	0.47976	2.27E+01	2.16E-01	3.09E-05	1.06E-01	1.70E+00	1.14E-01	7.89E-01	7.95E-01	2.48E+01
4208	495363.09	3855877.25	2.20764	0.47591	1.08613	2.4008	3.31244	0.81116	0.45315	0.47591	2.26E+01	2.14E-01	2.76E-05	1.24E-01	1.53E+00	1.12E-01	7.82E-01	7.89E-01	2.46E+01
4209	495863.09	3855877.25	2.20296	0.4721	1.03857	2.13346	3.01244	0.80474	0.44925	0.4721	2.26E+01	2.12E-01	2.63E-05	1.10E-01	1.39E+00	1.11E-01	7.76E-01	7.82E-01	2.44E+01
4210	496363.09	3855877.25	2.19677	0.46834	0.99649	1.32166	2.78138	0.79828	0.4454	0.46834	2.25E+01	2.11E-01	2.53E-05	6.84E-02	1.28E+00	1.10E-01	7.69E-01	7.76E-01	2.42E+01
4211	496863.09	3855877.25	2.18954	0.46463	0.96509	0.91118	2.48097	0.79176	0.44159	0.46463	2.25E+01	2.09E-01	2.45E-05	4.72E-02	1.14E+00	1.09E-01	7.62E-01	7.70E-01	2.40E+01
4212	497363.09	3855877.25	2.18138	0.46099	1.01119	0.8882	2.41023	0.78518	0.43783	0.46099	2.24E+01	2.07E-01	2.57E-05	4.60E-02	1.11E+00	1.09E-01	7.56E-01	7.64E-01	2.38E+01
4213	497863.09	3855877.25	2.17217	0.45742	0.94661	0.9684	2.74241	0.78002	0.43412	0.45742	2.23E+01	2.06E-01	2.40E-05	5.01E-02	1.26E+00	1.08E-01	7.50E-01	7.58E-01	2.39E+01
4214	498363.09	3855877.25	2.16253	0.45394	0.92952	1.02959	3.06894	0.84105	0.43045	0.45394	2.22E+01	2.04E-01	2.36E-05	5.33E-02	1.41E+00	1.16E-01	7.43E-01	7.52E-01	2.40E+01
4215	471363.09	3856377.25	1.72436	0.7892	0.97134	0.95699	4.76238	1.03495	0.79704	0.7892	1.77E+01	3.55E-01	2.46E-05	4.95E-02	2.19E+00	1.43E-01	1.38E+00	1.31E+00	2.05E+01
4216	471863.09	3856377.25	1.76449	0.94442	0.97452	1.01637	4.68688	1.01898	0.95298	0.94442	1.81E+01	4.25E-01	2.47E-05	5.26E-02	2.16E+00	1.41E-01	1.65E+00	1.56E+00	2.10E+01
4217	472363.09	3856377.25	1.83126	1.09102	1.04262	1.1296	4.75007	1.05822	1.10043	1.09102	1.88E+01	4.91E-01	2.64E-05	5.85E-02	2.19E+00	1.46E-01	1.90E+00	1.81E+00	2.18E+01
4218	472863.09	3856377.25	1.91248	1.21376	1.10873	1.26671	4.84863	1.11516	1.22386	1.21376	1.96E+01	5.46E-01	2.81E-05	6.56E-02	2.23E+00	1.54E-01	2.11E+00	2.01E+00	2.27E+01
4219	473363.09	3856377.25	1.99156	1.29911	1.18486	1.37507	4.85046	1.12779	1.30904	1.29911	2.04E+01	5.85E-01	3.01E-05	7.12E-02	2.24E+00	1.56E-01	2.26E+00	2.15E+00	2.36E+01
4220	473863.09	3856377.25	2.2443	1.34051	1.50409	1.5511	5.01761	1.2637	1.35027	1.34051	2.30E+01	6.03E-01	3.82E-05	8.03E-02	2.31E+00	1.75E-01	2.33E+00	2.22E+00	2.63E+01
4221	474363.09	3856377.25	2.41633	1.33301	1.45428	1.48733	4.68198	1.17962	1.34053	1.33301	2.48E+01	6.00E-01	3.69E-05	7.70E-02	2.16E+00	1.63E-01	2.31E+00	2.21E+00	2.79E+01
4222	474863.09	3856377.25	2.59431	1.29048	1.47242	1.32587	4.68734	1.39982	1.2943	1.29048	2.66E+01	5.81E-01	3.74E-05	6.86E-02	2.16E+00	1.94E-01	2.23E+00	2.14E+00	2.97E+01
4223	475363.09	3856377.25	2.74861	1.22672	1.27828	0.90186	3.60641	1.62866	1.22407	1.22672	2.82E+01	5.52E-01	3.24E-05	4.67E-02	1.66E+00	2.25E-01	2.11E+00	2.03E+00	3.08E+01
4224	475863.09	3856377.25	2.01633	1.16203	1.01283	1.08649	3.55244	1.85217	1.15122	1.16203	2.07E+01	5.23E-01	2.57E-05	5.62E-02	1.64E+00	2.56E-01	1.99E+00	1.93E+00	2.32E+01
4225	476363.09	3856377.25	2.1229	1.11465	1.14119	1.31805	3.56599	2.05982	1.09057	1.11465	2.18E+01	5.02E-01	2.89E-05	6.82E-02	1.64E+00	2.85E-01	1.88E+00	1.85E+00	2.43E+01
4226	476863.09	3856377.25	2.22043	1.08544	1.33155	1.54106	3.57007	2.25066	1.03973	1.08544	2.28E+01	4.88E-01	3.38E-05	7.98E-02	1.65E+00	3.11E-01	1.80E+00	1.80E+00	2.53E+01
4227	477363.09	3856377.25	2.30529	1.06986	1.37917	1.71175	3.56167	2.42697	0.99108	1.06986	2.36E+01	4.81E-01	3.50E-05	8.86E-02	1.64E+00	3.36E-01	1.71E+00	1.77E+00	2.61E+01
4228	477863.09	3856377.25	1.69795	1.0591	1.40454	1.79403	3.52578	2.58353	0.93363	1.0591	1.74E+01	4.77E-01	3.56E-05	9.29E-02	1.62E+00	3.57E-01	1.61E+00	1.75E+00	1.98E+01
4229	478363.09	3856377.25	1.70048	1.04635	1.46205	1.7793	2.24671	2.7046	0.86098	1.04635	1.74E+01	4.71E-01	3.71E-05	9.21E-02	1.04E+00	3.74E-01	1.49E+00	1.73E+00	1.92E+01
4230	478863.09	3856377.25	2.49737	1.03195	1.6261	1.69473	3.43531	2.76412	0.9724	1.03195	2.56E+01	4.64E-01	4.13E-05	8.77E-02	1.58E+00	3.82E-01	1.68E+00	1.71E+00	2.81E+01
4231	479363.09	3856377.25	3.42257	1.21614	2.20898	1.59229	3.9377	2.72413	1.23576	1.21614	3.51E+01	5.47E-01	5.60E-05	8.24E-02	1.81E+00	3.77E-01	2.13E+00	2.02E+00	3.80E+01
4232	479863.09	3856377.25	4.70272	1.16519	2.09622	2.16448	10.84962	2.7781	1.1958	1.16519	4.82E+01	5.24E-01	5.32E-05	1.12E-01	5.00E+00	3.84E-01	2.06E+00	1.93E+00	5.44E+01
4233	480363.09	3856377.25	5.504	1.32168	3.48091	2.30274	17.78846	3.03511	1.10692	1.32168	5.64E+01	5.95E-01	8.83E-05	1.19E-01	8.20E+00	4.20E-01	1.91E+00	2.19E+00	6.55E+01
4234	480863.09	3856377.25	6.02276	1.29308	6.28784	3.2811	21.43527	2.74832	1.15543	1.29308	6.18E+01	5.82E-01	1.60E-04	1.70E-01	9.88E+00	3.80E-01	1.99E+00	2.14E+00	7.26E+01
4235	481363.09	3856377.25	6.26172	1.75836	8.78046	3.69249	22.40933	3.24158	1.47649	1.75836	6.42E+01	7.91E-01	2.23E-04	1.91E-01	1.03E+01	4.48E-01	2.55E+00	2.91E+00	7.56E+01
4236	481863.09	3856377.25	6.15389	1.87534	10.73773	4.21843	21.67737	4.00346	1.76687	1.87534	6.31E+01	8.44E-01	2.72E-04	2.18E-01	9.99E+00	5.53E-01	3.05E+00	3.11E+00	7.47E+01
4237	482363.09	3856377.25	6.61014	2.38199	12.06511	4.17702	21.86565	4.17506	2.04482	2.38199	6.78E+01	1.07E+00	3.06E-04	2.16E-01	1.01E+01	5.77E-01	3.53E+00	3.95E+00	7.93E+01
4238	482863.09	3856377.25	8.07812	2.83912	13.19455	3.98929	22.56485	4.39653	1.97129	2.83912	8.28E+01	1.28E+00	3.35E-04	2.07E-01	1.04E+01	6.08E-01	3.40E+00	4.70E+00	9.40E+01
4239	483363.09	3856377.25	10.11166	3.10618	17.94306	3.59006	22.38325	4.83987	1.69467	3.10618	1.04E+02	1.40E+00	4.55E-04	1.86E-01	1.03E+01	6.69E-01	2.93E+00	5.15E+00	1.14E+02
4240	483863.09	3856377.25	13.71923	3.26247	27.18927	3.17558	24.51434	8.2685	1.83311	3.26247	1.41E+02	1.47E+00	6.90E-04	1.64E-01	1.13E+01	1.14E+00	3.16E+00	5.41E+00	1.53E+02
4241	484363.09	3856377.25	15.97847	6.88644	32.29178	2.97393	27.18033	22.35762	3.05375	6.88644	1.64E+02	3.10E+00	8.19E-04	1.54E-01	1.25E+01	3.09E+00	5.27E+00	1.14E+01	1.77E+02
4242	484863.09	3856377.25	14.9699	25.7581	36.48376	4.13191	29.43856	7.40887	3.25067	25.7581	1.54E+02	1.16E+01	9.26E-04	2.14E-01	1.36E+01	1.02E+00	5.61E+00	4.27E+01	1.43E+02
4243	485363.09	3856377.25	12.43342	5.12103	22.14426	7.13151	26.559	7.28233	6.50257	5.12103	1.27E+02	2.30E+00	5.62E-04	3.69E-01	1.22E+01	1.01E+00	1.12E+01	8.49E+00	1.46E+02
4244	485863.09	3856377.25	10.83876	2.81569	18.34685	9.90732	37.99304	6.19456	7.15432	2.81569	1.11E+02	1.27E+00	4.65E-04	5.13E-01	1.75E+01	8.56E-01	1.24E+01	4.67E+00	1.39E+02

4245	486363.09	3856377.25	11.49178	1.9472	10.52839	30.52903	74.24273	19.80433	11.1142	1.9472	1.18E+02	8.76E-01	2.67E-04	1.58E+00	3.42E+01	2.74E+00	1.92E+01	3.23E+00	1.73E+02
4246	486863.09	3856377.25	8.51674	1.70096	7.5638	12.59754	82.88274	6.38896	6.05513	1.70096	8.73E+01	7.66E-01	1.92E-04	6.52E-01	3.82E+01	8.83E-01	1.05E+01	2.82E+00	1.35E+02
4247	487363.09	3856377.25	7.13866	2.20782	8.49705	6.33152	90.8699	3.47168	3.95102	2.20782	7.32E+01	9.94E-01	2.16E-04	3.28E-01	4.19E+01	4.80E-01	6.82E+00	3.66E+00	1.20E+02
4248	487863.09	3856377.25	6.18308	2.26198	8.41489	4.46146	73.85776	3.14147	2.79726	2.26198	6.34E+01	1.02E+00	2.13E-04	2.31E-01	3.40E+01	4.34E-01	4.83E+00	3.75E+00	1.00E+02
4249	488363.09	3856377.25	5.53941	2.57678	7.63531	4.58656	72.06584	2.64938	2.82253	2.57678	5.68E+01	1.16E+00	1.94E-04	2.37E-01	3.32E+01	3.66E-01	4.87E+00	4.27E+00	9.24E+01
4250	488863.09	3856377.25	5.04175	2.64523	7.89292	5.36448	61.73347	2.42789	2.76149	2.64523	5.17E+01	1.19E+00	2.00E-04	2.78E-01	2.84E+01	3.36E-01	4.77E+00	4.38E+00	8.23E+01
4251	489363.09	3856377.25	4.65072	2.4413	7.47909	3.03499	51.35258	2.88124	2.49902	2.4413	4.77E+01	1.10E+00	1.90E-04	1.57E-01	2.37E+01	3.98E-01	4.31E+00	4.05E+00	7.33E+01
4252	489863.09	3856377.25	4.32436	1.9738	5.12681	2.65426	41.83775	2.49077	2.01575	1.9738	4.43E+01	8.88E-01	1.30E-04	1.37E-01	1.93E+01	3.44E-01	3.48E+00	3.27E+00	6.52E+01
4253	490363.09	3856377.25	4.36652	1.34914	4.50626	4.67449	30.31728	2.27994	1.37913	1.34914	4.48E+01	6.07E-01	1.14E-04	2.42E-01	1.40E+01	3.15E-01	2.38E+00	2.24E+00	6.01E+01
4254	490863.09	3856377.25	4.42486	1.05777	4.05949	2.95567	28.59351	2.24346	1.22315	1.05777	4.54E+01	4.76E-01	1.03E-04	1.53E-01	1.32E+01	3.10E-01	2.11E+00	1.75E+00	5.98E+01
4255	491363.09	3856377.25	4.46153	1.30352	3.67786	3.5938	28.43613	2.59248	1.32238	1.30352	4.57E+01	5.87E-01	9.33E-05	1.86E-01	1.31E+01	3.58E-01	2.28E+00	2.16E+00	6.01E+01
4256	491863.09	3856377.25	4.55183	1.5704	3.22987	5.26603	26.13552	2.47041	1.58956	1.5704	4.67E+01	7.07E-01	8.19E-05	2.73E-01	1.20E+01	3.42E-01	2.74E+00	2.60E+00	6.02E+01
4257	492363.09	3856377.25	4.78194	1.83664	2.7319	9.06793	21.62531	1.73624	1.85593	1.83664	4.90E+01	8.27E-01	6.93E-05	4.69E-01	9.97E+00	2.40E-01	3.20E+00	3.04E+00	6.07E+01
4258	492863.09	3856377.25	4.62718	1.98604	1.83426	7.20835	12.48154	1.38058	2.00152	1.98604	4.74E+01	8.94E-01	4.65E-05	3.73E-01	5.75E+00	1.91E-01	3.46E+00	3.29E+00	5.48E+01
4259	493363.09	3856377.25	4.42485	1.29557	0.99282	1.70273	6.64368	0.86414	1.30217	1.29557	4.54E+01	5.83E-01	2.52E-05	8.81E-02	3.06E+00	1.19E-01	2.25E+00	2.15E+00	4.93E+01
4260	493863.09	3856377.25	2.18377	0.79053	0.94896	2.20918	5.28455	0.85707	0.79463	0.79053	2.24E+01	3.56E-01	2.41E-05	1.14E-01	2.44E+00	1.18E-01	1.37E+00	1.31E+00	2.55E+01
4261	494363.09	3856377.25	2.16244	0.62257	0.8463	2.47877	5.81962	0.84523	0.62675	0.62257	2.22E+01	2.80E-01	2.15E-05	1.28E-01	2.68E+00	1.17E-01	1.08E+00	1.03E+00	2.54E+01
4262	494863.09	3856377.25	2.14119	0.49071	0.71588	2.12319	6.29349	0.83376	0.4612	0.49071	2.20E+01	2.21E-01	1.82E-05	1.10E-01	2.90E+00	1.15E-01	7.96E-01	8.13E-01	2.53E+01
4263	495363.09	3856377.25	2.12028	0.48698	0.58451	1.17421	6.70373	0.82892	0.45713	0.48698	2.17E+01	2.19E-01	1.48E-05	6.08E-02	3.09E+00	1.15E-01	7.89E-01	8.07E-01	2.52E+01
4264	495863.09	3856377.25	2.10002	0.48344	0.87241	0.9516	7.05464	0.82481	0.45311	0.48344	2.15E+01	2.18E-01	2.21E-05	4.93E-02	3.25E+00	1.14E-01	7.82E-01	8.01E-01	2.51E+01
4265	496363.09	3856377.25	2.08036	0.4801	1.02595	1.06788	7.34364	0.82145	0.44914	0.4801	2.13E+01	2.16E-01	2.60E-05	5.53E-02	3.38E+00	1.14E-01	7.75E-01	7.95E-01	2.51E+01
4266	496863.09	3856377.25	2.06172	0.47694	0.81369	1.13905	7.57707	0.81876	0.44522	0.47694	2.11E+01	2.15E-01	2.06E-05	5.90E-02	3.49E+00	1.13E-01	7.69E-01	7.90E-01	2.50E+01
4267	497363.09	3856377.25	2.04382	0.47396	0.62441	1.14024	7.75892	0.81798	0.44135	0.47396	2.10E+01	2.13E-01	1.58E-05	5.90E-02	3.58E+00	1.13E-01	7.62E-01	7.85E-01	2.49E+01
4268	497863.09	3856377.25	2.027	0.47114	0.65702	1.09336	7.894	0.82154	0.43752	0.47114	2.08E+01	2.12E-01	1.67E-05	5.66E-02	3.64E+00	1.14E-01	7.55E-01	7.81E-01	2.48E+01
4269	498363.09	3856377.25	2.01136	0.47751	0.67069	1.11604	7.98624	2.28053	0.48148	0.47751	2.06E+01	2.15E-01	1.70E-05	5.78E-02	3.68E+00	3.15E-01	8.31E-01	7.91E-01	2.49E+01
4270	471363.09	3856877.25	1.69385	0.78744	1.07339	0.88461	5.24321	1.02938	0.79905	0.78744	1.74E+01	3.54E-01	2.72E-05	4.58E-02	2.42E+00	1.42E-01	1.38E+00	1.30E+00	2.04E+01
4271	471863.09	3856877.25	1.73472	0.78044	1.09519	0.87888	5.411	1.01127	0.79159	0.78044	1.78E+01	3.51E-01	2.78E-05	4.55E-02	2.49E+00	1.40E-01	1.37E+00	1.29E+00	2.09E+01
4272	472363.09	3856877.25	1.78722	0.77496	1.18914	0.93953	5.77744	1.06629	0.78661	0.77496	1.83E+01	3.49E-01	3.02E-05	4.86E-02	2.66E+00	1.47E-01	1.36E+00	1.28E+00	2.16E+01
4273	472863.09	3856877.25	1.91075	0.79435	1.24809	1.00936	6.14917	1.12474	0.80711	0.79435	1.96E+01	3.57E-01	3.17E-05	5.23E-02	2.83E+00	1.55E-01	1.39E+00	1.32E+00	2.31E+01
4274	473363.09	3856877.25	2.11525	0.843	1.513	1.13237	6.75609	1.29916	0.85692	0.843	2.17E+01	3.79E-01	3.84E-05	5.86E-02	3.11E+00	1.80E-01	1.48E+00	1.40E+00	2.55E+01
4275	473863.09	3856877.25	2.29613	0.98827	1.49661	1.18069	7.14204	1.36771	0.99923	0.98827	2.35E+01	4.45E-01	3.80E-05	6.11E-02	3.29E+00	1.89E-01	1.73E+00	1.64E+00	2.76E+01
4276	474363.09	3856877.25	2.44054	1.15358	1.14987	1.10547	7.09972	1.20722	1.16458	1.15358	2.50E+01	5.19E-01	2.92E-05	5.72E-02	3.27E+00	1.67E-01	2.01E+00	1.91E+00	2.91E+01
4277	474863.09	3856877.25	2.4825	1.29069	1.12336	0.96331	6.62164	0.94889	1.30073	1.29069	2.55E+01	5.81E-01	2.85E-05	4.99E-02	3.05E+00	1.31E-01	2.25E+00	2.14E+00	2.94E+01
4278	475363.09	3856877.25	2.14126	1.37895	1.12025	0.80166	5.2612	0.81488	1.38706	1.37895	2.20E+01	6.21E-01	2.84E-05	4.15E-02	2.42E+00	1.13E-01	2.39E+00	2.28E+00	2.53E+01
4279	475863.09	3856877.25	2.101	1.41189	1.00293	0.85011	5.06128	0.96434	1.41905	1.41189	2.15E+01	6.35E-01	2.54E-05	4.40E-02	2.33E+00	1.33E-01	2.45E+00	2.34E+00	2.48E+01
4280	476363.09	3856877.25	2.26345	1.38713	1.03809	0.86358	3.73535	1.17649	1.39243	1.38713	2.32E+01	6.24E-01	2.63E-05	4.47E-02	1.72E+00	1.63E-01	2.40E+00	2.30E+00	2.59E+01
4281	476863.09	3856877.25	1.79254	1.32017	1.09977	0.88763	3.71957	1.42359	1.32355	1.32017	1.84E+01	5.94E-01	2.79E-05	4.59E-02	1.71E+00	1.97E-01	2.29E+00	2.19E+00	2.10E+01
4282	477363.09	3856877.25	1.92188	1.23644	1.15665	0.86179	3.86739	1.67792	1.23664	1.23644	1.97E+01	5.56E-01	2.93E-05	4.46E-02	1.78E+00	2.32E-01	2.14E+00	2.05E+00	2.24E+01
4283	477863.09	3856877.25	1.48603	1.16303	0.83692	1.09346	2.53003	1.91456	1.15751	1.16303	1.52E+01	5.23E-01	2.12E-05	5.66E-02	1.17E+00	2.65E-01	2.00E+00	1.93E+00	1.73E+01
4284	478363.09	3856877.25	1.58892	1.11611	0.97044	1.36684	2.40345	2.12667	1.09984	1.11611	1.63E+01	5.02E-01	2.46E-05	7.08E-02	1.11E+00	2.94E-01	1.90E+00	1.85E+00	1.83E+01
4285	478863.09	3856877.25	1.66187	1.09633	1.28761	1.63614	2.6461	2.32196	1.06061	1.09633	1.70E+01	4.93E-01	3.27E-05	8.47E-02	1.22E+00	3.21E-01	1.83E+00	1.82E+00	1.92E+01
4286	479363.09	3856877.25	2.33965	1.09118	1.37034	1.83683	4.55301	2.50629	1.02286	1.09118	2.40E+01	4.91E-01	3.48E-05	9.51E-02	2.10E+00	3.47E-01	1.77E+00	1.81E+00	2.70E+01
4287	479863.09	3856877.25	3.91176	1.22266	2.15463	1.92236	8.30444	2.69415	1.25121	1.22266	4.01E+01	5.50E-01	5.47E-05	9.95E-02	3.83E+00	3.72E-01	2.16E+00	2.03E+00	4.51E+01
4288	480363.09	3856877.25	5.43297	1.41087	3.34671	2.27085	13.16718	3.4666	1.17191	1.41087	5.57E+01	6.35E-01	8.49E-05	1.18E-01	6.07E+00	4.79E-01	2.02E+00	2.34E+00	6.27E+01
4289	480863.09	3856877.25	5.6866	2.07839	6.31436	3.48206	15.31973	4.44842	1.55769	2.07839	5.83E+01	9.35E-01	1.60E-04	1.80E-01	7.06E+00	6.15E-01	2.69E+00	3.44E+00	6.63E+01
4290	481363.09	3856877.25	5.67237	2.1069	9.19481	3.26822	14.45947	5.83372	1.41458	2.1069	5.82E+01	9.48E-01	2.33E-04	1.69E-01	6.66E+00	8.07E-01	2.44E+00	3.49E+00	6.57E+01
4291	481863.09	3856877.25	5.99907	2.11193	9.23689	3.1402	15.55763	5.37687	1.3541	2.11193	6.15E+01	9.50E-01	2.34E-04	1.63E-01	7.17E+00	7.43E-01	2.34E+00	3.50E+00	6.94E+01
4292	482363.09	3856877.25	6.47956	2.21979	10.33674	3.41085	15.87438	4.68274	1.77763	2.21979	6.64E+01	9.99E-01	2.62E-04	1.77E-01	7.32E+00	6.47E-01	3.07E+00	3.68E+00	7.50E+01
4293	482863.09	3856877.25	7.73155	2.20176	12.36726	3.54363	18.7488	4.21296	1.77887	2.20176	7.93E+01	9.91E-01	3.14E-04	1.83E-01	8.64E+00	5.82E-01	3.07E+00	3.65E+00	8.91E+01
4294	483363.09	3856877.25	10.01067	2.49952	13.02842	3.86237	22.45479	5.12515	2.24353	2.49952	1.03E+02	1.12E+00	3.31E-04	2.00E-01	1.03E+01	7.09E-01	3.87E+00	4.14E+00	1.15E+02
4295	483863.09	3856877.25	13.32238	3.12103	12.13544	4.22172	26.87847	5.79893	2.34547	3.12103	1.37E+02	1.40E+00	3.08E-04	2.19E-01	1.24E+01	8.02E-01	4.05E+00	5.17E+00	1.50E+02
4296	484363.09	3856877.25	16.27782	3.96329	19.63436	4.38501	32.19133	7.21101	2.096	3.96329	1.67E+02	1.78E+00	4.98E-04	2.27E-01	1.48E+01	9.97E-01	3.62E+00	6.57E+00	1.82E+02
4297	484863.09	3856877.25	17.30188	5.39568	12.65516	4.09304	37.73686	17.05929	2.41009	5.39568	1.77E+02	2.43E+00	3.21E-04	2.12E-01	1.74E+01	2.36E+00	4.16E+00	8.94E+00	1.95E+02
4298	485363.09	3856877.25	15.63662	12.90691	24.1551	3.88997	46.28677	9.4291	3.86817	12.90691	1.60E+02	5.81E+00	6.13E-04	2.01E-01	2.13E+01	1.30E+00	6.68E+00	2.14E+01	1.74E+02
4299	485863.09	3856877.25	13.5013	7.62073	17.68471	5.51339	58.41682	6.96028	6.09167	7.62073	1.38E+02	3.43E+00	4.49E-04	2.85E-01	2.69E+01	9.62E-01	1.05E+01	1.26E+01	1.68E+02
4300	486363.09	3856877.25	12.01223	3.16419	12.35535	9.63911	88.78914	5.55126	7.59148	3.16419	1.23E+02	1.42E+00	3.13E-04	4.99E-01	4.09E+01	7.67E-01	1.31E+01	5.24E+00	1.75E+02
4301	486863.09	3856877.25	12.67965	1.78274	10.18174	20.51261	119.6319	20.57353	10.2463	1.78274	1.30E+02	8.02E-01	2.58E-04	1.06E+00	5.51E+01	2.84E+00	1.77E+01	2.95E+00	2.05E+02
4302	487363.09	3856877.25	8.75722	1.80287	8.9403	12.66615	148.8266	6.52799	5.40283	1.80287	8.98E+01	8.11E-01	2.27E-04	6.56E-01	6.86E+01	9.03E-01	9.33E+00	2.99E+00	1.67E+02
4303	487863.09	3856877.25	7.20178	1.88689	8.06674	7.25196	136.288	5.16422	4.03467	1.88689	7.38E+01	8.49E-01	2.05E-04	3.75E-01	6.28E+01	7.14E-01	6.97E+00	3.13E+00	1.42E+02

4304	488363.09	3856877.25	6.24445	1.96744	12.80145	6.07242	81.80034	6.60333	2.94938	1.96744	6.40E+01	8.85E-01	3.25E-04	3.14E-01	3.77E+01	9.13E-01	5.09E+00	3.26E+00	1.06E+02
4305	488863.09	3856877.25	5.6353	1.97998	10.36936	8.54245	62.95789	4.24202	2.51664	1.97998	5.78E+01	8.91E-01	2.63E-04	4.42E-01	2.90E+01	5.86E-01	4.35E+00	3.28E+00	8.98E+01
4306	489363.09	3856877.25	5.16635	2.17285	9.85376	4.05903	52.5131	3.60477	2.37105	2.17285	5.30E+01	9.78E-01	2.50E-04	2.10E-01	2.42E+01	4.98E-01	4.09E+00	3.60E+00	7.94E+01
4307	489863.09	3856877.25	4.85686	2.11416	5.9931	3.3769	45.34442	4.26098	2.20407	2.11416	4.98E+01	9.51E-01	1.52E-04	1.75E-01	2.09E+01	5.89E-01	3.81E+00	3.50E+00	7.27E+01
4308	490363.09	3856877.25	4.66817	2.06874	6.43824	4.21724	38.58323	3.37389	2.11222	2.06874	4.79E+01	9.31E-01	1.63E-04	2.18E-01	1.78E+01	4.66E-01	3.65E+00	3.43E+00	6.75E+01
4309	490863.09	3856877.25	4.46776	1.70067	5.24607	3.93746	31.68128	2.52398	1.73284	1.70067	4.58E+01	7.65E-01	1.33E-04	2.04E-01	1.46E+01	3.49E-01	2.99E+00	2.82E+00	6.19E+01
4310	491363.09	3856877.25	4.27401	1.15469	4.75607	6.35317	27.71595	1.92682	1.17677	1.15469	4.38E+01	5.20E-01	1.21E-04	3.29E-01	1.28E+01	2.66E-01	2.03E+00	1.91E+00	5.78E+01
4311	491863.09	3856877.25	4.10009	1.05072	3.43075	44.52045	27.19115	1.81212	1.04797	1.05072	4.20E+01	4.73E-01	8.70E-05	2.30E+00	1.25E+01	2.51E-01	1.81E+00	1.74E+00	5.77E+01
4312	492363.09	3856877.25	4.06412	0.90089	2.20744	12.31821	26.31787	1.66196	1.19079	0.90089	4.17E+01	4.05E-01	5.60E-05	6.38E-01	1.21E+01	2.30E-01	2.06E+00	1.49E+00	5.56E+01
4313	492863.09	3856877.25	3.87728	1.00056	1.97446	3.68646	25.57556	1.32287	1.01157	1.00056	3.98E+01	4.50E-01	5.01E-05	1.91E-01	1.18E+01	1.83E-01	1.75E+00	1.66E+00	5.25E+01
4314	493363.09	3856877.25	3.74905	1.01142	1.1824	2.5258	12.45813	0.90899	1.02101	1.01142	3.84E+01	4.55E-01	3.00E-05	1.31E-01	5.74E+00	1.26E-01	1.76E+00	1.68E+00	4.50E+01
4315	493863.09	3856877.25	1.84987	0.53649	0.99181	2.08968	12.12023	0.90294	0.54049	0.53649	1.90E+01	2.41E-01	2.52E-05	1.08E-01	5.59E+00	1.25E-01	9.33E-01	8.89E-01	2.51E+01
4316	494363.09	3856877.25	1.83597	0.51392	0.8234	1.63052	11.7555	0.90589	0.46982	0.51392	1.88E+01	2.31E-01	2.09E-05	8.44E-02	5.42E+00	1.25E-01	8.11E-01	8.52E-01	2.46E+01
4317	494863.09	3856877.25	1.82433	0.51228	0.90924	1.57332	11.37421	0.9141	0.46557	0.51228	1.87E+01	2.31E-01	2.31E-05	8.14E-02	5.24E+00	1.26E-01	8.04E-01	8.49E-01	2.43E+01
4318	495363.09	3856877.25	1.81472	0.51071	1.03009	1.52791	10.98174	0.92784	0.46138	0.51071	1.86E+01	2.30E-01	2.61E-05	7.91E-02	5.06E+00	1.28E-01	7.97E-01	8.46E-01	2.41E+01
4319	495863.09	3856877.25	1.80709	0.50917	0.73262	1.49064	10.58423	0.94336	0.45726	0.50917	1.85E+01	2.29E-01	1.86E-05	7.72E-02	4.88E+00	1.30E-01	7.89E-01	8.44E-01	2.38E+01
4320	496363.09	3856877.25	1.80121	0.50763	0.67041	1.45926	10.19079	0.95998	0.45318	0.50763	1.85E+01	2.28E-01	1.70E-05	7.55E-02	4.70E+00	1.33E-01	7.82E-01	8.41E-01	2.35E+01
4321	496863.09	3856877.25	1.79695	0.50606	0.73092	1.43246	9.80497	0.97674	0.44916	0.50606	1.84E+01	2.28E-01	1.85E-05	7.42E-02	4.52E+00	1.35E-01	7.75E-01	8.39E-01	2.33E+01
4322	497363.09	3856877.25	1.79401	0.50444	0.80649	1.40954	9.4278	0.99869	0.44519	0.50444	1.84E+01	2.27E-01	2.05E-05	7.30E-02	4.34E+00	1.38E-01	7.69E-01	8.36E-01	2.31E+01
4323	497863.09	3856877.25	1.79201	0.50277	0.84078	1.39022	9.06007	2.876	0.44128	0.50277	1.84E+01	2.26E-01	2.13E-05	7.20E-02	4.18E+00	3.98E-01	7.62E-01	8.33E-01	2.32E+01
4324	498363.09	3856877.25	1.79087	0.53805	0.86792	1.37447	8.70376	3.6471	0.5409	0.53805	1.84E+01	2.42E-01	2.20E-05	7.12E-02	4.01E+00	5.04E-01	9.34E-01	8.92E-01	2.32E+01
4325	471363.09	3857377.25	1.99955	0.79197	1.1224	0.95337	3.11369	1.18167	0.80472	0.79197	2.05E+01	3.56E-01	2.85E-05	4.94E-02	1.43E+00	1.63E-01	1.39E+00	1.31E+00	2.26E+01
4326	471863.09	3857377.25	2.12215	0.78111	0.96856	0.9273	3.178	1.1353	0.79316	0.78111	2.18E+01	3.52E-01	2.46E-05	4.80E-02	1.46E+00	1.57E-01	1.37E+00	1.29E+00	2.39E+01
4327	472363.09	3857377.25	2.25794	0.77657	0.93091	0.93171	3.24719	1.1398	0.78908	0.77657	2.32E+01	3.49E-01	2.36E-05	4.82E-02	1.50E+00	1.58E-01	1.36E+00	1.29E+00	2.53E+01
4328	472863.09	3857377.25	2.39799	0.79973	1.02534	0.94967	3.33054	1.16465	0.8136	0.79973	2.46E+01	3.60E-01	2.60E-05	4.92E-02	1.53E+00	1.61E-01	1.40E+00	1.33E+00	2.68E+01
4329	473363.09	3857377.25	2.54049	0.83959	1.28737	1.01326	3.44132	1.24701	0.85329	0.83959	2.61E+01	3.78E-01	3.27E-05	5.25E-02	1.59E+00	1.72E-01	1.47E+00	1.39E+00	2.83E+01
4330	473863.09	3857377.25	2.68039	0.85042	1.8435	1.17467	3.55266	1.3587	0.86403	0.85042	2.75E+01	3.83E-01	4.68E-05	6.08E-02	1.64E+00	1.88E-01	1.49E+00	1.41E+00	2.98E+01
4331	474363.09	3857377.25	2.74839	0.76922	1.59727	0.99774	3.71424	1.08002	0.78239	0.76922	2.82E+01	3.46E-01	4.05E-05	5.16E-02	1.71E+00	1.49E-01	1.35E+00	1.27E+00	3.05E+01
4332	474863.09	3857377.25	2.24495	0.69847	0.89706	0.91057	3.80038	0.97018	0.70479	0.69847	2.30E+01	3.14E-01	2.28E-05	4.71E-02	1.75E+00	1.34E-01	1.22E+00	1.16E+00	2.53E+01
4333	475363.09	3857377.25	1.50343	0.81741	0.8094	0.90856	3.70198	0.70708	0.82404	0.81741	1.54E+01	3.68E-01	2.05E-05	4.70E-02	1.71E+00	9.78E-02	1.42E+00	1.35E+00	1.77E+01
4334	475863.09	3857377.25	1.19993	1.01953	0.83268	0.8282	3.79231	0.68589	1.02723	1.01953	1.23E+01	4.59E-01	2.11E-05	4.29E-02	1.75E+00	9.48E-02	1.77E+00	1.69E+00	1.47E+01
4335	476363.09	3857377.25	1.76276	1.2166	1.25267	0.91463	4.05274	0.96226	1.22497	1.2166	1.81E+01	5.48E-01	3.18E-05	4.73E-02	1.87E+00	1.33E-01	2.11E+00	2.02E+00	2.08E+01
4336	476863.09	3857377.25	1.84897	1.37687	1.33439	0.91551	4.20361	0.95631	1.38535	1.37687	1.90E+01	6.20E-01	3.39E-05	4.74E-02	1.94E+00	1.32E-01	2.39E+00	2.28E+00	2.18E+01
4337	477363.09	3857377.25	1.88925	1.47498	1.28307	0.91349	4.1904	0.79819	1.48291	1.47498	1.94E+01	6.64E-01	3.25E-05	4.73E-02	1.93E+00	1.10E-01	2.56E+00	2.44E+00	2.22E+01
4338	477863.09	3857377.25	1.27126	1.49746	1.15535	0.59967	4.20963	0.93327	1.50441	1.49746	1.30E+01	6.74E-01	2.93E-05	3.10E-02	1.94E+00	1.29E-01	2.60E+00	2.48E+00	1.59E+01
4339	478363.09	3857377.25	1.11385	1.44723	1.14682	0.59099	3.29914	1.17192	1.45295	1.44723	1.14E+01	6.51E-01	2.91E-05	3.06E-02	1.52E+00	1.62E-01	2.51E+00	2.40E+00	1.39E+01
4340	478863.09	3857377.25	1.23386	1.34741	0.93869	0.65252	3.08935	1.45487	1.35175	1.34741	1.27E+01	6.06E-01	2.38E-05	3.38E-02	1.42E+00	2.01E-01	2.33E+00	2.23E+00	1.50E+01
4341	479363.09	3857377.25	1.37256	1.23631	1.20624	0.82845	4.58145	1.73812	1.2388	1.23631	1.41E+01	5.56E-01	3.06E-05	4.29E-02	2.11E+00	2.40E-01	2.14E+00	2.05E+00	1.71E+01
4342	479863.09	3857377.25	3.32879	1.15707	1.39581	1.09119	5.70386	1.98718	1.17926	1.15707	3.41E+01	5.21E-01	3.54E-05	5.65E-02	2.63E+00	2.75E-01	2.04E+00	1.92E+00	3.77E+01
4343	480363.09	3857377.25	3.26507	1.1159	1.55555	1.41575	5.63445	2.20009	1.10728	1.1159	3.35E+01	5.02E-01	3.95E-05	7.33E-02	2.60E+00	3.04E-01	1.91E+00	1.85E+00	3.70E+01
4344	480863.09	3857377.25	5.69752	1.94099	7.74416	3.5216	7.81103	4.19	1.89066	1.94099	5.84E+01	8.74E-01	1.96E-04	1.82E-01	3.60E+00	5.79E-01	3.26E+00	3.22E+00	6.37E+01
4345	481363.09	3857377.25	6.12801	2.08573	5.70707	4.00629	8.57186	4.52113	1.97271	2.08573	6.28E+01	9.39E-01	1.45E-04	2.07E-01	3.95E+00	6.25E-01	3.41E+00	3.46E+00	6.85E+01
4346	481863.09	3857377.25	6.00613	2.24553	7.53025	4.18406	10.81304	5.59164	2.02904	2.24553	6.16E+01	1.01E+00	1.91E-04	2.17E-01	4.98E+00	7.73E-01	3.50E+00	3.72E+00	6.84E+01
4347	482363.09	3857377.25	5.67275	2.31117	7.57896	4.1488	12.18564	6.12769	1.92474	2.31117	5.82E+01	1.04E+00	1.92E-04	2.15E-01	5.62E+00	8.47E-01	3.32E+00	3.83E+00	6.54E+01
4348	482863.09	3857377.25	5.86234	2.36736	9.46647	3.91972	13.7609	6.60026	1.77585	2.36736	6.01E+01	1.07E+00	2.40E-04	2.03E-01	6.34E+00	9.13E-01	3.07E+00	3.92E+00	6.78E+01
4349	483363.09	3857377.25	5.91496	2.35156	10.50943	3.49471	15.96423	6.6643	1.82752	2.35156	6.07E+01	1.06E+00	2.67E-04	1.81E-01	7.36E+00	9.21E-01	3.16E+00	3.90E+00	6.94E+01
4350	483863.09	3857377.25	6.84578	2.53654	13.58297	3.74166	18.63546	6.10751	2.01595	2.53654	7.02E+01	1.14E+00	3.45E-04	1.94E-01	8.59E+00	8.44E-01	3.48E+00	4.20E+00	8.02E+01
4351	484363.09	3857377.25	13.44527	2.52978	9.87099	3.93206	22.35049	5.87944	2.3912	2.52978	1.38E+02	1.14E+00	2.50E-04	2.04E-01	1.03E+01	8.13E-01	4.13E+00	4.19E+00	1.50E+02
4352	484863.09	3857377.25	14.77798	3.67588	11.26882	4.07258	28.34154	8.51684	2.77726	3.67588	1.52E+02	1.65E+00	2.86E-04	2.11E-01	1.31E+01	1.18E+00	4.79E+00	6.09E+00	1.66E+02
4353	485363.09	3857377.25	17.96211	5.25526	12.53469	4.38659	40.20994	14.77115	2.68666	5.25526	1.84E+02	2.37E+00	3.18E-04	2.27E-01	1.85E+01	2.04E+00	4.64E+00	8.71E+00	2.03E+02
4354	485863.09	3857377.25	16.33928	8.66252	16.28283	4.64297	52.99673	15.88791	3.20334	8.66252	1.68E+02	3.90E+00	4.13E-04	2.40E-01	2.44E+01	2.20E+00	5.53E+00	1.44E+01	1.89E+02
4355	486363.09	3857377.25	14.21553	12.25807	18.65221	5.97801	69.83818	6.6294	5.28676	12.25807	1.46E+02	5.52E+00	4.73E-04	3.09E-01	3.22E+01	9.17E-01	9.13E+00	2.03E+01	1.74E+02
4356	486863.09	3857377.25	12.56061	4.43618	18.12424	10.02888	104.8888	5.64283	8.42663	4.43618	1.29E+02	2.00E+00	4.60E-04	5.19E-01	4.83E+01	7.80E-01	1.45E+01	7.35E+00	1.88E+02
4357	487363.09	3857377.25	13.15277	2.53159	9.48726	19.46132	126.9953	12.87677	10.9799	2.53159	1.35E+02	1.14E+00	2.41E-04	1.01E+00	5.85E+01	1.78E+00	1.90E+01	4.19E+00	2.12E+02
4358	487863.09	3857377.25	8.72153	2.25681	15.4439	13.38412	180.7454	8.50175	4.91127	2.25681	8.94E+01	1.02E+00	3.92E-04	6.93E-01	8.33E+01	1.18E+00	8.48E+00	3.74E+00	1.80E+02
4359	488363.09	3857377.25	7.13012	2.02141	14.5431	8.40508	122.575	5.3418	3.76984	2.02141	7.31E+01	9.10E-01	3.69E-04	4.35E-01	5.65E+01	7.39E-01	6.51E+00	3.35E+00	1.35E+02
4360	488863.09	3857377.25	6.21782	2.04946	9.88233	11.07968	86.25454	6.57174	3.03818	2.04946	6.38E+01	9.22E-01	2.51E-04	5.74E-01	3.97E+01	9.09E-01	5.25E+00	3.40E+00	1.08E+02
4361	489363.09	3857377.25	5.63689	1.61575	11.27788	5.41986	71.03444	6.16021	2.41928	1.61575	5.78E+01	7.27E-01	2.86E-04	2.81E-01	3.27E+01	8.52E-01	4.18E+00	2.68E+00	9.39E+01
4362	489863.09	3857377.25	5.30839	1.76236	9.33334	9.91663	60.49796	4.21899	2.15334	1.76236	5.44E+01	7.93E-01	2.37E-04	5.13E-01	2.79E+01	5.83E-01	3.72E+00	2.92E+00	8.50E+01

4363	490363.09	3857377.25	5.08494	1.97429	7.1886	5.9744	49.77743	3.5406	2.14371	1.97429	5.21E+01	8.89E-01	1.82E-04	3.09E-01	2.29E+01	4.89E-01	3.70E+00	3.27E+00	7.72E+01
4364	490863.09	3857377.25	4.88348	1.9825	7.12408	6.75399	42.29111	3.30977	2.05763	1.9825	5.01E+01	8.92E-01	1.81E-04	3.50E-01	1.95E+01	4.58E-01	3.55E+00	3.28E+00	7.15E+01
4365	491363.09	3857377.25	4.68977	1.86834	5.63097	12.05525	35.75996	2.88673	1.90532	1.86834	4.81E+01	8.41E-01	1.43E-04	6.24E-01	1.65E+01	3.99E-01	3.29E+00	3.10E+00	6.66E+01
4366	491863.09	3857377.25	4.60721	1.59605	5.14512	12.19513	32.77908	2.31306	1.61827	1.59605	4.72E+01	7.18E-01	1.31E-04	6.31E-01	1.51E+01	3.20E-01	2.79E+00	2.64E+00	6.42E+01
4367	492363.09	3857377.25	4.40567	0.92882	2.35961	4.18066	16.13827	1.61407	1.00349	0.92882	4.52E+01	4.18E-01	5.99E-05	2.16E-01	7.44E+00	2.23E-01	1.73E+00	1.54E+00	5.37E+01
4368	492863.09	3857377.25	3.29289	0.90126	1.9798	1.98748	7.42119	1.24414	0.90966	0.90126	3.38E+01	4.06E-01	5.02E-05	1.03E-01	3.42E+00	1.72E-01	1.57E+00	1.49E+00	3.79E+01
4369	493363.09	3857377.25	2.25669	0.83471	1.32042	1.49665	6.93121	1.28107	0.84122	0.83471	2.31E+01	3.76E-01	3.35E-05	7.75E-02	3.19E+00	1.77E-01	1.45E+00	1.38E+00	2.70E+01
4370	493863.09	3857377.25	1.65881	0.69546	1.35528	1.47997	6.49179	1.31473	0.70106	0.69546	1.70E+01	3.13E-01	3.44E-05	7.66E-02	2.99E+00	1.82E-01	1.21E+00	1.15E+00	2.06E+01
4371	494363.09	3857377.25	1.67451	0.57234	1.37003	1.41848	6.09694	1.34469	0.47449	0.57234	1.72E+01	2.58E-01	3.48E-05	7.34E-02	2.81E+00	1.86E-01	8.19E-01	9.48E-01	2.04E+01
4372	494863.09	3857377.25	1.68883	0.56971	1.31253	1.41185	5.73962	1.372	0.47012	0.56971	1.73E+01	2.56E-01	3.33E-05	7.31E-02	2.65E+00	1.90E-01	8.12E-01	9.44E-01	2.03E+01
4373	495363.09	3857377.25	1.70124	0.56693	1.30782	1.41402	5.41553	1.39566	0.46583	0.56693	1.74E+01	2.55E-01	3.32E-05	7.32E-02	2.50E+00	1.93E-01	8.04E-01	9.39E-01	2.03E+01
4374	495863.09	3857377.25	1.71228	0.564	1.30148	1.4266	5.12201	1.41773	0.46163	0.564	1.76E+01	2.54E-01	3.30E-05	7.39E-02	2.36E+00	1.96E-01	7.97E-01	9.35E-01	2.03E+01
4375	496363.09	3857377.25	1.72165	0.56095	1.33854	1.44949	4.85372	1.4385	0.45752	0.56095	1.77E+01	2.52E-01	3.40E-05	7.50E-02	2.24E+00	1.99E-01	7.90E-01	9.29E-01	2.03E+01
4376	496863.09	3857377.25	1.72996	0.5578	1.32106	1.48099	4.60826	1.45648	0.51732	0.5578	1.77E+01	2.51E-01	3.35E-05	7.67E-02	2.12E+00	2.01E-01	8.93E-01	9.24E-01	2.04E+01
4377	497363.09	3857377.25	1.73697	0.55456	1.29919	1.51837	4.38278	2.65214	0.54137	0.55456	1.78E+01	2.50E-01	3.30E-05	7.86E-02	2.02E+00	3.67E-01	9.35E-01	9.19E-01	2.05E+01
4378	497863.09	3857377.25	1.74321	0.55125	1.27598	1.55862	4.17487	4.82409	0.49071	0.55125	1.79E+01	2.48E-01	3.24E-05	8.07E-02	1.92E+00	6.67E-01	8.47E-01	9.13E-01	2.07E+01
4379	498363.09	3857377.25	1.74848	0.59042	1.25058	1.59893	3.98304	4.11722	0.59561	0.59042	1.79E+01	2.66E-01	3.17E-05	8.28E-02	1.84E+00	5.69E-01	1.03E+00	9.78E-01	2.07E+01
4380	471363.09	3857877.25	2.31216	0.78816	1.0964	0.99567	2.76538	1.01623	0.80096	0.78816	2.37E+01	3.55E-01	2.78E-05	5.15E-02	1.27E+00	1.40E-01	1.38E+00	1.31E+00	2.56E+01
4381	471863.09	3857877.25	2.40075	0.78231	1.32388	1.01507	2.78311	1.05818	0.79532	0.78231	2.46E+01	3.52E-01	3.36E-05	5.25E-02	1.28E+00	1.46E-01	1.37E+00	1.30E+00	2.65E+01
4382	472363.09	3857877.25	2.49891	0.78129	1.48927	1.06123	2.80072	1.13361	0.79428	0.78129	2.56E+01	3.52E-01	3.78E-05	5.49E-02	1.29E+00	1.57E-01	1.37E+00	1.29E+00	2.76E+01
4383	472863.09	3857877.25	2.61722	0.81379	1.4921	1.15198	2.82103	1.27399	0.82722	0.81379	2.68E+01	3.66E-01	3.79E-05	5.96E-02	1.30E+00	1.76E-01	1.43E+00	1.35E+00	2.88E+01
4384	473363.09	3857877.25	2.72358	0.84269	1.27967	1.20233	2.83514	1.34196	0.85652	0.84269	2.79E+01	3.79E-01	3.25E-05	6.22E-02	1.31E+00	1.86E-01	1.48E+00	1.40E+00	2.99E+01
4385	473863.09	3857877.25	2.86764	0.84087	1.3671	1.28675	2.98164	1.45902	0.85418	0.84087	2.94E+01	3.78E-01	3.47E-05	6.66E-02	1.37E+00	2.02E-01	1.47E+00	1.39E+00	3.15E+01
4386	474363.09	3857877.25	2.86708	0.75371	1.40929	1.13996	2.96904	1.15912	0.76669	0.75371	2.94E+01	3.39E-01	3.58E-05	5.90E-02	1.37E+00	1.60E-01	1.32E+00	1.25E+00	3.14E+01
4387	474863.09	3857877.25	2.22477	0.68225	1.15931	0.90187	2.82506	1.07096	0.68807	0.68225	2.28E+01	3.07E-01	2.94E-05	4.67E-02	1.30E+00	1.48E-01	1.19E+00	1.13E+00	2.47E+01
4388	475363.09	3857877.25	1.26961	0.36354	0.86045	0.65068	2.7998	0.65008	0.36565	0.36354	1.30E+01	1.64E-01	2.18E-05	3.37E-02	1.29E+00	8.99E-02	6.31E-01	6.02E-01	1.46E+01
4389	475863.09	3857877.25	0.94666	0.37402	0.51784	0.45858	2.00834	0.59075	0.37626	0.37402	9.71E+00	1.68E-01	1.31E-05	2.37E-02	9.26E-01	8.17E-02	6.50E-01	6.20E-01	1.09E+01
4390	476363.09	3857877.25	1.31069	0.43696	1.05994	0.70474	2.78594	0.67111	0.44105	0.43696	1.34E+01	1.97E-01	2.69E-05	3.65E-02	1.28E+00	9.28E-02	7.61E-01	7.24E-01	1.51E+01
4391	476863.09	3857877.25	1.96071	0.61392	1.18084	0.93497	2.83595	0.78998	0.61946	0.61392	2.01E+01	2.76E-01	3.00E-05	4.84E-02	1.31E+00	1.09E-01	1.07E+00	1.02E+00	2.19E+01
4392	477363.09	3857877.25	1.99799	0.82728	1.38744	0.94233	3.08344	0.79143	0.83433	0.82728	2.05E+01	3.72E-01	3.52E-05	4.88E-02	1.42E+00	1.09E-01	1.44E+00	1.37E+00	2.25E+01
4393	477863.09	3857877.25	1.36896	1.06319	1.66658	0.76174	3.34452	0.71436	1.07153	1.06319	1.40E+01	4.78E-01	4.23E-05	3.94E-02	1.54E+00	9.88E-02	1.85E+00	1.76E+00	1.63E+01
4394	478363.09	3857877.25	1.04305	1.29476	0.74801	0.59057	2.77846	0.68182	1.30389	1.29476	1.07E+01	5.83E-01	1.90E-05	3.06E-02	1.28E+00	9.43E-02	2.25E+00	2.15E+00	1.28E+01
4395	478863.09	3857877.25	1.06962	1.48464	0.64907	0.49527	2.13234	0.64631	1.49379	1.48464	1.10E+01	6.68E-01	1.65E-05	2.56E-02	9.83E-01	8.94E-02	2.58E+00	2.46E+00	1.29E+01
4396	479363.09	3857877.25	3.22889	1.60086	1.68956	1.01203	5.99653	1.18166	1.61045	1.60086	3.31E+01	7.20E-01	4.29E-05	5.24E-02	2.76E+00	1.63E-01	2.78E+00	2.65E+00	3.69E+01
4397	479863.09	3857877.25	4.39185	1.61888	3.29459	1.93738	12.68675	1.54659	1.62943	1.61888	4.50E+01	7.29E-01	8.36E-05	1.00E-01	5.85E+00	2.14E-01	2.81E+00	2.68E+00	5.21E+01
4398	480363.09	3857877.25	4.26104	1.60087	6.24113	2.20233	14.85638	2.06	1.6081	1.60087	4.37E+01	7.20E-01	1.58E-04	1.14E-01	6.85E+00	2.85E-01	2.78E+00	2.65E+00	5.18E+01
4399	480863.09	3857877.25	4.16303	1.53453	4.56922	2.28104	16.17194	2.18756	1.53943	1.53453	4.27E+01	6.91E-01	1.16E-04	1.18E-01	7.45E+00	3.02E-01	2.66E+00	2.54E+00	5.14E+01
4400	481363.09	3857877.25	4.31244	1.54297	6.24377	2.3571	17.29395	3.09902	1.54925	1.54297	4.42E+01	6.94E-01	1.58E-04	1.22E-01	7.97E+00	4.28E-01	2.67E+00	2.56E+00	5.36E+01
4401	481863.09	3857877.25	4.3503	1.83693	6.90577	2.45604	18.79482	4.14547	1.85986	1.83693	4.46E+01	8.27E-01	1.75E-04	1.27E-01	8.66E+00	5.73E-01	3.21E+00	3.04E+00	5.50E+01
4402	482363.09	3857877.25	4.31746	2.1288	8.16352	3.02924	22.40527	4.65733	2.12526	2.1288	4.43E+01	9.58E-01	2.07E-04	1.57E-01	1.03E+01	6.44E-01	3.67E+00	3.53E+00	5.65E+01
4403	482863.09	3857877.25	4.47942	2.44294	8.70778	4.03107	24.7664	5.32067	2.39847	2.44294	4.59E+01	1.10E+00	2.21E-04	2.09E-01	1.14E+01	7.36E-01	4.14E+00	4.05E+00	5.95E+01
4404	483363.09	3857877.25	4.61487	2.49062	9.04972	4.56161	28.5312	5.85474	2.3825	2.49062	4.73E+01	1.12E+00	2.30E-04	2.36E-01	1.31E+01	8.09E-01	4.11E+00	4.13E+00	6.26E+01
4405	483863.09	3857877.25	4.09623	2.48508	8.79762	4.66646	31.74537	6.59089	2.263	2.48508	4.20E+01	1.12E+00	2.23E-04	2.42E-01	1.46E+01	9.11E-01	3.91E+00	4.12E+00	5.87E+01
4406	484363.09	3857877.25	6.97364	2.4089	9.22509	4.29078	33.55239	7.67378	2.00791	2.4089	7.15E+01	1.08E+00	2.34E-04	2.22E-01	1.55E+01	1.06E+00	3.47E+00	3.99E+00	8.88E+01
4407	484863.09	3857877.25	10.79566	2.68156	8.30575	3.98529	34.19773	9.24387	2.16613	2.68156	1.11E+02	1.21E+00	2.11E-04	2.06E-01	1.58E+01	1.28E+00	3.74E+00	4.44E+00	1.28E+02
4408	485363.09	3857877.25	12.40074	3.3977	10.88823	4.59992	33.60434	11.89435	2.43481	3.3977	1.27E+02	1.53E+00	2.76E-04	2.38E-01	1.55E+01	1.64E+00	4.20E+00	5.63E+00	1.45E+02
4409	485863.09	3857877.25	14.56794	4.95197	12.08422	5.37547	37.1789	18.33354	3.20745	4.95197	1.49E+02	2.23E+00	3.07E-04	2.78E-01	1.71E+01	2.53E+00	5.54E+00	8.21E+00	1.69E+02
4410	486363.09	3857877.25	17.06837	7.15106	15.79132	6.43136	40.57225	18.21383	3.56206	7.15106	1.75E+02	3.22E+00	4.01E-04	3.33E-01	1.87E+01	2.52E+00	6.15E+00	1.18E+01	1.94E+02
4411	486863.09	3857877.25	14.75318	18.62202	35.53205	7.82409	50.70301	9.62914	4.77495	18.62202	1.51E+02	8.38E+00	9.01E-04	4.05E-01	2.34E+01	1.33E+00	8.24E+00	3.09E+01	1.62E+02
4412	487363.09	3857877.25	12.78739	6.91361	47.48719	10.27473	62.81997	7.63056	8.97865	6.91361	1.31E+02	3.11E+00	1.20E-03	5.32E-01	2.90E+01	1.05E+00	1.55E+01	1.15E+01	1.69E+02
4413	487863.09	3857877.25	13.52918	4.02804	35.87625	21.30052	91.03465	15.13128	11.8247	4.02804	1.39E+02	1.81E+00	9.10E-04	1.10E+00	4.20E+01	2.09E+00	2.04E+01	6.67E+00	1.99E+02
4414	488363.09	3857877.25	8.7697	3.07324	23.02664	16.29316	151.5275	11.87761	4.55813	3.07324	8.99E+01	1.38E+00	5.84E-04	8.43E-01	6.98E+01	1.64E+00	7.87E+00	5.09E+00	1.66E+02
4415	488863.09	3857877.25	6.80213	2.3617	15.7926	12.89878	90.8364	8.40487	3.44567	2.3617	6.97E+01	1.06E+00	4.01E-04	6.68E-01	4.19E+01	1.16E+00	5.95E+00	3.91E+00	1.17E+02
4416	489363.09	3857877.25	6.99517	2.46261	12.60207	8.15494	51.95642	6.58096	2.98936	2.46261	7.17E+01	1.11E+00	3.20E-04	4.22E-01	2.39E+01	9.10E-01	5.16E+00	4.08E+00	9.92E+01
4417	489863.09	3857877.25	5.35338	1.70686	9.74031	9.40174	53.21063	5.23807	2.51471	1.70686	5.49E+01	7.68E-01	2.47E-04	4.87E-01	2.45E+01	7.24E-01	4.34E+00	2.83E+00	8.29E+01
4418	490363.09	3857877.25	4.90754	1.48293	8.1018	11.974	46.94217	4.38044	2.14814	1.48293	5.03E+01	6.67E-01	2.06E-04	6.20E-01	2.16E+01	6.06E-01	3.71E+00	2.46E+00	7.51E+01
4419	490863.09	3857877.25	4.62542	1.7479	6.43603	11.62464	36.94282	4.14978	2.0721	1.7479	4.74E+01	7.87E-01	1.63E-04	6.02E-01	1.70E+01	5.74E-01	3.58E+00	2.90E+00	6.71E+01
4420	491363.09	3857877.25	4.67096	1.96821	7.67091	25.95012	31.82069	4.08604	2.10203	1.96821	4.79E+01	8.86E-01	1.95E-04	1.34E+00	1.47E+01	5.65E-01	3.63E+00	3.26E+00	6.57E+01
4421	491863.09	3857877.25	4.73228	2.16263	4.98336	7.09688	27.05121	4.01652	2.20886	2.16263	4.85E+01	9.73E-01	1.26E-04	3.67E-01	1.25E+01	5.55E-01	3.81E+00	3.58E+00	6.31E+01

4422	492363.09	3857877.25	4.15559	2.35588	3.16083	3.23207	11.32038	2.00621	2.37448	2.35588	4.26E+01	1.06E+00	8.02E-05	1.67E-01	5.22E+00	2.77E-01	4.10E+00	3.90E+00	4.95E+01
4423	492863.09	3857877.25	3.63679	1.05627	2.09247	2.31953	8.43279	1.96731	1.06156	1.05627	3.73E+01	4.75E-01	5.31E-05	1.20E-01	3.89E+00	2.72E-01	1.83E+00	1.75E+00	4.21E+01
4424	493363.09	3857877.25	2.65744	0.83373	1.92978	2.00716	6.29204	1.93994	0.84748	0.83373	2.72E+01	3.75E-01	4.90E-05	1.04E-01	2.90E+00	2.68E-01	1.46E+00	1.38E+00	3.10E+01
4425	493863.09	3857877.25	2.57687	0.85928	1.79011	2.19744	6.22866	1.91101	0.86847	0.85928	2.64E+01	3.87E-01	4.54E-05	1.14E-01	2.87E+00	2.64E-01	1.50E+00	1.42E+00	3.01E+01
4426	494363.09	3857877.25	2.49496	0.8045	1.67086	2.3387	4.14851	1.88163	0.81163	0.8045	2.56E+01	3.62E-01	4.24E-05	1.21E-01	1.91E+00	2.60E-01	1.40E+00	1.33E+00	2.83E+01
4427	494863.09	3857877.25	1.79482	0.6313	1.56686	2.426	3.78217	1.84606	0.63672	0.6313	1.84E+01	2.84E-01	3.97E-05	1.26E-01	1.74E+00	2.55E-01	1.10E+00	1.05E+00	2.09E+01
4428	495363.09	3857877.25	1.79286	0.60855	1.47981	2.4667	2.85259	1.96497	0.49729	0.60855	1.84E+01	2.74E-01	3.75E-05	1.28E-01	1.31E+00	2.72E-01	8.59E-01	1.01E+00	2.02E+01
4429	495863.09	3857877.25	1.79122	0.60339	1.40593	2.47159	2.73393	2.58423	0.47007	0.60339	1.84E+01	2.72E-01	3.57E-05	1.28E-01	1.26E+00	3.57E-01	8.12E-01	1.00E+00	2.02E+01
4430	496363.09	3857877.25	1.78977	0.59829	1.34534	2.45088	2.92357	4.49523	0.46713	0.59829	1.84E+01	2.69E-01	3.41E-05	1.27E-01	1.35E+00	6.21E-01	8.07E-01	9.91E-01	2.05E+01
4431	496863.09	3857877.25	1.78839	0.59325	1.29455	2.41283	2.6776	14.04347	0.5039	0.59325	1.83E+01	2.67E-01	3.28E-05	1.25E-01	1.23E+00	1.94E+00	8.70E-01	9.83E-01	2.18E+01
4432	497363.09	3857877.25	1.78696	0.58828	1.2529	2.36372	2.45091	14.69341	0.53183	0.58828	1.83E+01	2.65E-01	3.18E-05	1.22E-01	1.13E+00	2.03E+00	9.18E-01	9.75E-01	2.18E+01
4433	497863.09	3857877.25	1.81228	0.79071	1.22069	2.30809	4.45986	3.33091	0.79516	0.79071	1.86E+01	3.56E-01	3.10E-05	1.19E-01	2.06E+00	4.61E-01	1.37E+00	1.31E+00	2.16E+01
4434	498363.09	3857877.25	3.57321	0.84237	1.19201	2.24994	4.31022	2.89968	0.84719	0.84237	3.66E+01	3.79E-01	3.02E-05	1.16E-01	1.99E+00	4.01E-01	1.46E+00	1.40E+00	3.96E+01
4435	471363.09	3858377.25	2.47555	0.77208	1.17698	0.87096	5.24614	0.95414	0.7845	0.77208	2.54E+01	3.47E-01	2.99E-05	4.51E-02	2.42E+00	1.32E-01	1.35E+00	1.28E+00	2.84E+01
4436	471863.09	3858377.25	2.55681	0.77802	1.08994	0.87878	5.67999	0.96357	0.79044	0.77802	2.62E+01	3.50E-01	2.76E-05	4.55E-02	2.62E+00	1.33E-01	1.36E+00	1.29E+00	2.94E+01
4437	472363.09	3858377.25	2.64121	0.78369	1.12683	0.87248	6.1029	0.97276	0.79636	0.78369	2.71E+01	3.53E-01	2.86E-05	4.52E-02	2.81E+00	1.34E-01	1.37E+00	1.30E+00	3.05E+01
4438	472863.09	3858377.25	2.73592	0.8146	1.27971	0.8559	6.5924	0.98136	0.82801	0.8146	2.81E+01	3.67E-01	3.25E-05	4.43E-02	3.04E+00	1.36E-01	1.43E+00	1.35E+00	3.17E+01
4439	473363.09	3858377.25	2.81431	0.84237	1.52138	0.86651	7.10118	1.03577	0.8532	0.84237	2.89E+01	3.79E-01	3.86E-05	4.49E-02	3.27E+00	1.43E-01	1.47E+00	1.40E+00	3.28E+01
4440	473863.09	3858377.25	2.8962	0.8265	1.28994	0.87311	7.41756	0.99811	0.83972	0.8265	2.97E+01	3.72E-01	3.27E-05	4.52E-02	3.42E+00	1.38E-01	1.45E+00	1.37E+00	3.38E+01
4441	474363.09	3858377.25	2.93378	0.7361	1.11605	0.87752	6.84415	1.00836	0.74783	0.7361	3.01E+01	3.31E-01	2.83E-05	4.54E-02	3.15E+00	1.39E-01	1.29E+00	1.22E+00	3.38E+01
4442	474863.09	3858377.25	2.48449	0.68479	1.0077	0.88381	4.95997	1.01779	0.69092	0.68479	2.55E+01	3.08E-01	2.56E-05	4.58E-02	2.29E+00	1.41E-01	1.19E+00	1.13E+00	2.83E+01
4443	475363.09	3858377.25	1.98255	0.36417	1.04294	0.88753	3.62674	0.73245	0.36629	0.36417	2.03E+01	1.64E-01	2.65E-05	4.59E-02	1.67E+00	1.01E-01	6.32E-01	6.03E-01	2.23E+01
4444	475863.09	3858377.25	1.34361	0.37177	0.94042	0.67052	3.75986	0.62916	0.37401	0.37177	1.38E+01	1.67E-01	2.39E-05	3.47E-02	1.73E+00	8.70E-02	6.46E-01	6.16E-01	1.58E+01
4445	476363.09	3858377.25	1.34625	0.37564	0.8918	0.70157	3.89035	0.65209	0.37789	0.37564	1.38E+01	1.69E-01	2.26E-05	3.63E-02	1.79E+00	9.02E-02	6.52E-01	6.22E-01	1.59E+01
4446	476863.09	3858377.25	1.33938	0.37746	0.76084	0.73012	3.99827	0.67456	0.37968	0.37746	1.37E+01	1.70E-01	1.93E-05	3.78E-02	1.84E+00	9.33E-02	6.56E-01	6.25E-01	1.59E+01
4447	477363.09	3858377.25	1.31839	0.37922	0.7096	0.73308	4.07489	0.66072	0.38139	0.37922	1.35E+01	1.71E-01	1.80E-05	3.79E-02	1.88E+00	9.13E-02	6.58E-01	6.28E-01	1.57E+01
4448	477863.09	3858377.25	2.21095	0.38187	1.01674	0.94212	4.12711	0.75277	0.38399	0.38187	2.27E+01	1.72E-01	2.58E-05	4.88E-02	1.90E+00	1.04E-01	6.63E-01	6.33E-01	2.49E+01
4449	478363.09	3858377.25	2.24385	0.4	1.1453	0.95586	4.13029	0.77756	0.40389	0.4	2.30E+01	1.80E-01	2.91E-05	4.95E-02	1.90E+00	1.07E-01	6.97E-01	6.63E-01	2.53E+01
4450	478863.09	3858377.25	1.17287	0.58805	0.95365	0.74713	2.21322	0.68748	0.59361	0.58805	1.20E+01	2.65E-01	2.42E-05	3.87E-02	1.02E+00	9.50E-02	1.02E+00	9.74E-01	1.35E+01
4451	479363.09	3858377.25	2.66478	0.83447	2.23139	1.05915	6.52381	1.08904	0.8441	0.83447	2.73E+01	3.76E-01	5.66E-05	5.48E-02	3.01E+00	1.51E-01	1.46E+00	1.38E+00	3.10E+01
4452	479863.09	3858377.25	3.55844	1.12498	4.5764	1.52869	18.24791	1.94613	1.13639	1.12498	3.65E+01	5.06E-01	1.16E-04	7.91E-02	8.41E+00	2.69E-01	1.96E+00	1.86E+00	4.59E+01
4453	480363.09	3858377.25	3.56107	1.41437	3.54529	2.08561	21.31974	2.49027	1.42738	1.41437	3.65E+01	6.37E-01	8.99E-05	1.08E-01	9.83E+00	3.44E-01	2.46E+00	2.34E+00	4.76E+01
4454	480863.09	3858377.25	3.56317	1.65321	4.18273	2.30559	23.64241	2.45153	1.66792	1.65321	3.65E+01	7.44E-01	1.06E-04	1.19E-01	1.09E+01	3.39E-01	2.88E+00	2.74E+00	4.88E+01
4455	481363.09	3858377.25	3.54201	1.82007	5.60724	2.53564	24.84652	2.43892	1.8448	1.82007	3.63E+01	8.19E-01	1.42E-04	1.31E-01	1.15E+01	3.37E-01	3.19E+00	3.02E+00	4.92E+01
4456	481863.09	3858377.25	4.07123	1.85318	6.34155	2.62984	25.36623	2.58663	1.88806	1.85318	4.17E+01	8.34E-01	1.61E-04	1.36E-01	1.17E+01	3.58E-01	3.26E+00	3.07E+00	5.50E+01
4457	482363.09	3858377.25	4.36566	1.99336	8.12941	2.80602	23.57986	3.00272	1.99922	1.99336	4.48E+01	8.97E-01	2.06E-04	1.45E-01	1.09E+01	4.15E-01	3.45E+00	3.30E+00	5.72E+01
4458	482863.09	3858377.25	3.98569	2.2075	6.5603	3.08542	22.20392	3.50504	2.21395	2.2075	4.09E+01	9.93E-01	1.66E-04	1.60E-01	1.02E+01	4.85E-01	3.82E+00	3.66E+00	5.29E+01
4459	483363.09	3858377.25	3.40819	2.50452	7.58955	2.79183	19.95471	4.15811	2.50925	2.50452	3.49E+01	1.13E+00	1.93E-04	1.45E-01	9.20E+00	5.75E-01	4.33E+00	4.15E+00	4.62E+01
4460	483863.09	3858377.25	3.60956	2.32886	8.50453	2.91831	19.55866	4.56377	2.33224	2.32886	3.70E+01	1.05E+00	2.16E-04	1.51E-01	9.01E+00	6.31E-01	4.03E+00	3.86E+00	4.80E+01
4461	484363.09	3858377.25	4.30757	2.35111	9.51916	3.20955	24.28724	5.53806	2.34973	2.35111	4.42E+01	1.06E+00	2.41E-04	1.66E-01	1.12E+01	7.66E-01	4.06E+00	3.90E+00	5.75E+01
4462	484863.09	3858377.25	7.45694	2.4995	11.63297	4.2677	27.89396	6.94835	2.4813	2.4995	7.65E+01	1.12E+00	2.95E-04	2.21E-01	1.29E+01	9.61E-01	4.28E+00	4.14E+00	9.18E+01
4463	485363.09	3858377.25	9.62864	2.71471	11.89828	4.95781	27.11353	8.71792	2.51382	2.71471	9.87E+01	1.22E+00	3.02E-04	2.57E-01	1.25E+01	1.21E+00	4.34E+00	4.50E+00	1.14E+02
4464	485863.09	3858377.25	10.75112	2.89493	16.70966	4.95851	24.5665	12.07378	2.34179	2.89493	1.10E+02	1.30E+00	4.24E-04	2.57E-01	1.13E+01	1.67E+00	4.04E+00	4.80E+00	1.24E+02
4465	486363.09	3858377.25	16.52683	4.56088	22.39363	4.46821	36.68965	21.66811	2.60051	4.56088	1.69E+02	2.05E+00	5.68E-04	2.31E-01	1.69E+01	3.00E+00	4.49E+00	7.56E+00	1.89E+02
4466	486863.09	3858377.25	17.68286	5.94727	22.74485	5.20456	39.63505	21.85388	3.49125	5.94727	1.81E+02	2.68E+00	5.77E-04	2.69E-01	1.83E+01	3.02E+00	6.03E+00	9.85E+00	2.02E+02
4467	487363.09	3858377.25	15.26239	7.00604	18.22844	6.34519	27.61475	17.82222	4.87497	7.00604	1.57E+02	3.15E+00	4.62E-04	3.28E-01	1.27E+01	2.46E+00	8.42E+00	1.16E+01	1.72E+02
4468	487863.09	3858377.25	13.13912	28.72454	31.98054	8.60369	42.81181	14.26759	8.26163	28.72454	1.35E+02	1.29E+01	8.11E-04	4.45E-01	1.97E+01	1.97E+00	1.43E+01	4.76E+01	1.36E+02
4469	488363.09	3858377.25	13.99113	6.63004	19.35133	18.71415	119.9432	10.36746	15.2126	6.63004	1.43E+02	2.98E+00	4.91E-04	9.69E-01	5.53E+01	1.43E+00	2.63E+01	1.10E+01	2.19E+02
4470	488863.09	3858377.25	10.89943	4.47983	15.87073	19.21507	57.70577	13.46981	4.84703	4.47983	1.12E+02	2.02E+00	4.03E-04	9.95E-01	2.66E+01	1.86E+00	8.37E+00	7.42E+00	1.44E+02
4471	489363.09	3858377.25	7.03974	3.35317	15.1971	54.56915	53.97614	9.48618	3.43278	3.35317	7.22E+01	1.51E+00	3.86E-04	2.82E+00	2.49E+01	1.31E+00	5.93E+00	5.56E+00	1.03E+02
4472	489863.09	3858377.25	6.22223	2.7568	8.1474	39.91444	54.53019	7.42688	2.84287	2.7568	6.38E+01	1.24E+00	2.07E-04	2.07E+00	2.51E+01	1.03E+00	4.91E+00	4.57E+00	9.36E+01
4473	490363.09	3858377.25	5.81743	2.2333	11.55822	32.96343	36.97289	6.13111	2.50811	2.2333	5.97E+01	1.01E+00	2.93E-04	1.71E+00	1.70E+01	8.48E-01	4.33E+00	3.70E+00	8.09E+01
4474	490863.09	3858377.25	5.56165	1.86968	12.86546	32.30315	32.45816	5.1178	2.18961	1.86968	5.70E+01	8.41E-01	3.26E-04	1.67E+00	1.50E+01	7.08E-01	3.78E+00	3.10E+00	7.59E+01
4475	491363.09	3858377.25	5.38975	1.5171	8.26001	19.52043	31.15687	3.76335	2.12581	1.5171	5.53E+01	6.83E-01	2.10E-04	1.01E+00	1.44E+01	5.20E-01	3.67E+00	2.51E+00	7.30E+01
4476	491863.09	3858377.25	5.11559	2.02416	6.21934	5.17783	26.32999	2.26839	2.17103	2.02416	5.25E+01	9.11E-01	1.58E-04	2.68E-01	1.21E+01	3.14E-01	3.75E+00	3.35E+00	6.65E+01
4477	492363.09	3858377.25	3.63177	2.3579	2.71013	2.42576	11.22628	1.76566	2.38079	2.3579	3.72E+01	1.06E+00	6.88E-05	1.26E-01	5.17E+00	2.44E-01	4.11E+00	3.91E+00	4.40E+01
4478	492863.09	3858377.25	3.66926	2.27659	2.30551	2.2969	13.02832	1.72778	2.2977	2.27659	3.76E+01	1.02E+00	5.85E-05	1.19E-01	6.00E+00	2.39E-01	3.97E+00	3.77E+00	4.52E+01
4479	493363.09	3858377.25	3.62451	1.87399	1.48276	2.14862	13.60416	1.68487	1.88688	1.87399	3.72E+01	8.43E-01	3.76E-05	1.11E-01	6.27E+00	2.33E-01	3.26E+00	3.11E+00	4.48E+01
4480	493863.09	3858377.25	3.60661	1.016	1.66673	2.04266	13.16799	1.65423	1.0212	1.016	3.70E+01	4.57E-01	4.23E-05	1.06E-01	6.07E+00	2.29E-01	1.76E+00	1.68E+00	4.39E+01

4481	494363.09	3858377.25	3.5829	0.80113	1.64254	1.95443	11.93036	1.62917	0.81806	0.80113	3.67E+01	3.61E-01	4.17E-05	1.01E-01	5.50E+00	2.25E-01	1.41E+00	1.33E+00	4.30E+01
4482	494863.09	3858377.25	2.76569	0.82536	1.10407	1.88178	5.1283	1.83149	0.8356	0.82536	2.84E+01	3.71E-01	2.80E-05	9.74E-02	2.36E+00	2.53E-01	1.44E+00	1.37E+00	3.15E+01
4483	495363.09	3858377.25	2.6925	0.77984	0.97425	1.82003	4.22256	2.64367	0.78611	0.77984	2.76E+01	3.51E-01	2.47E-05	9.42E-02	1.95E+00	3.65E-01	1.36E+00	1.29E+00	3.04E+01
4484	495863.09	3858377.25	2.63137	0.67963	1.0237	1.76622	3.88614	3.58372	0.68593	0.67963	2.70E+01	3.06E-01	2.60E-05	9.14E-02	1.79E+00	4.95E-01	1.18E+00	1.13E+00	2.97E+01
4485	496363.09	3858377.25	2.56255	0.61322	1.0541	1.71895	4.09055	9.84462	0.55523	0.61322	2.63E+01	2.76E-01	2.67E-05	8.90E-02	1.89E+00	1.36E+00	9.59E-01	1.02E+00	2.98E+01
4486	496863.09	3858377.25	2.49918	0.65123	1.09821	1.67712	4.24871	4.76346	0.65701	0.65123	2.56E+01	2.93E-01	2.79E-05	8.68E-02	1.96E+00	6.59E-01	1.13E+00	1.08E+00	2.87E+01
4487	497363.09	3858377.25	2.42409	0.94255	1.13842	1.63993	4.35542	2.43145	0.94942	0.94255	2.49E+01	4.24E-01	2.89E-05	8.49E-02	2.01E+00	3.36E-01	1.64E+00	1.56E+00	2.78E+01
4488	497863.09	3858377.25	3.50553	1.19332	1.17047	1.65113	4.423	2.72391	1.20067	1.19332	3.59E+01	5.37E-01	2.97E-05	8.55E-02	2.04E+00	3.77E-01	2.07E+00	1.98E+00	3.91E+01
4489	498363.09	3858377.25	3.52812	1.28575	1.90914	1.69294	7.34353	2.63393	1.29559	1.28575	3.62E+01	5.79E-01	4.84E-05	8.76E-02	3.38E+00	3.64E-01	2.24E+00	2.13E+00	4.07E+01
4490	471363.09	3858877.25	2.46847	0.75882	1.04115	0.85451	6.95216	0.90781	0.77097	0.75882	2.53E+01	3.42E-01	2.64E-05	4.42E-02	3.20E+00	1.26E-01	1.33E+00	1.26E+00	2.91E+01
4491	471863.09	3858877.25	2.55082	0.77057	0.93128	0.85902	7.17632	0.9147	0.78289	0.77057	2.62E+01	3.47E-01	2.36E-05	4.45E-02	3.31E+00	1.26E-01	1.35E+00	1.28E+00	3.01E+01
4492	472363.09	3858877.25	2.55476	0.78433	1.06377	0.86514	7.42788	0.92094	0.79609	0.78433	2.62E+01	3.53E-01	2.70E-05	4.48E-02	3.42E+00	1.27E-01	1.37E+00	1.30E+00	3.02E+01
4493	472863.09	3858877.25	2.58842	0.81984	1.69476	0.87074	7.54256	0.94247	0.83075	0.81984	2.65E+01	3.69E-01	4.30E-05	4.51E-02	3.48E+00	1.30E-01	1.43E+00	1.36E+00	3.06E+01
4494	473363.09	3858877.25	2.60594	0.81763	2.53801	0.87788	8.01661	1.02636	0.82669	0.81763	2.67E+01	3.68E-01	6.44E-05	4.54E-02	3.69E+00	1.42E-01	1.43E+00	1.35E+00	3.10E+01
4495	473863.09	3858877.25	2.62783	0.82172	2.20438	0.88082	8.48308	0.97403	0.83278	0.82172	2.69E+01	3.70E-01	5.59E-05	4.56E-02	3.91E+00	1.35E-01	1.44E+00	1.36E+00	3.15E+01
4496	474363.09	3858877.25	2.60913	0.73425	1.3846	0.88137	8.03961	0.94687	0.74769	0.73425	2.68E+01	3.30E-01	3.51E-05	4.56E-02	3.70E+00	1.31E-01	1.29E+00	1.22E+00	3.10E+01
4497	474863.09	3858877.25	2.09356	0.35707	0.86637	0.87526	3.2666	0.7575	0.35914	0.35707	2.15E+01	1.61E-01	2.20E-05	4.53E-02	1.51E+00	1.05E-01	6.20E-01	5.92E-01	2.33E+01
4498	475363.09	3858877.25	1.2671	0.36052	0.80971	0.65146	3.17604	0.65763	0.36263	0.36052	1.30E+01	1.62E-01	2.05E-05	3.37E-02	1.46E+00	9.09E-02	6.26E-01	5.97E-01	1.48E+01
4499	475863.09	3858877.25	1.23417	0.36946	0.68886	0.66141	3.06875	0.66892	0.37169	0.36946	1.27E+01	1.66E-01	1.75E-05	3.42E-02	1.41E+00	9.25E-02	6.42E-01	6.12E-01	1.44E+01
4500	476363.09	3858877.25	1.1046	0.37287	0.64677	0.66799	1.8397	0.58431	0.37512	0.37287	1.13E+01	1.68E-01	1.64E-05	3.46E-02	8.48E-01	8.08E-02	6.48E-01	6.18E-01	1.25E+01
4501	476863.09	3858877.25	1.10755	0.37464	0.70553	0.67964	2.07404	0.69239	0.37684	0.37464	1.14E+01	1.69E-01	1.79E-05	3.52E-02	9.56E-01	9.57E-02	6.51E-01	6.21E-01	1.26E+01
4502	477363.09	3858877.25	1.09025	0.37635	0.64697	0.68995	2.38572	0.70392	0.37852	0.37635	1.12E+01	1.69E-01	1.64E-05	3.57E-02	1.10E+00	9.73E-02	6.54E-01	6.24E-01	1.26E+01
4503	477863.09	3858877.25	1.07255	0.37809	0.89046	0.70122	3.10812	0.71509	0.38021	0.37809	1.10E+01	1.70E-01	2.26E-05	3.63E-02	1.43E+00	9.89E-02	6.56E-01	6.26E-01	1.28E+01
4504	478363.09	3858877.25	1.98356	0.38882	1.20166	0.89942	5.28963	1.00464	0.43221	0.38882	2.03E+01	1.75E-01	3.05E-05	4.66E-02	2.44E+00	1.39E-01	7.46E-01	6.44E-01	2.32E+01
4505	478863.09	3858877.25	1.79627	0.38888	1.22756	0.89684	5.99011	1.00611	0.39055	0.38888	1.84E+01	1.75E-01	3.11E-05	4.64E-02	2.76E+00	1.39E-01	6.74E-01	6.44E-01	2.16E+01
4506	479363.09	3858877.25	1.62313	0.42834	1.74336	0.89209	6.55686	0.74539	0.43548	0.42834	1.66E+01	1.93E-01	4.42E-05	4.62E-02	3.02E+00	1.03E-01	7.52E-01	7.10E-01	2.00E+01
4507	479863.09	3858877.25	3.00054	0.89015	3.00514	1.50629	16.79722	1.87057	0.9024	0.89015	3.08E+01	4.01E-01	7.62E-05	7.80E-02	7.74E+00	2.59E-01	1.56E+00	1.47E+00	3.93E+01
4508	480363.09	3858877.25	2.79871	1.0716	4.46806	1.7251	15.26012	2.29579	1.0852	1.0716	2.87E+01	4.82E-01	1.13E-04	8.93E-02	7.03E+00	3.17E-01	1.87E+00	1.78E+00	3.67E+01
4509	480863.09	3858877.25	3.15274	1.09762	4.47561	1.94254	13.56101	2.64175	1.1106	1.09762	3.23E+01	4.94E-01	1.14E-04	1.01E-01	6.25E+00	3.65E-01	1.92E+00	1.82E+00	3.96E+01
4510	481363.09	3858877.25	3.54281	1.12563	5.45145	2.18378	15.51153	2.91683	1.13361	1.12563	3.63E+01	5.07E-01	1.38E-04	1.13E-01	7.15E+00	4.03E-01	1.96E+00	1.87E+00	4.46E+01
4511	481863.09	3858877.25	3.77587	1.35271	6.8705	2.4586	16.38144	3.22531	1.35403	1.35271	3.87E+01	6.09E-01	1.74E-04	1.27E-01	7.55E+00	4.46E-01	2.34E+00	2.24E+00	4.75E+01
4512	482363.09	3858877.25	3.68987	1.8413	5.23954	2.77616	15.88947	3.38994	1.60608	1.8413	3.78E+01	8.29E-01	1.33E-04	1.44E-01	7.32E+00	4.69E-01	2.77E+00	3.05E+00	4.63E+01
4513	482863.09	3858877.25	3.58366	2.02942	6.70359	3.09195	18.74205	3.70994	2.04875	2.02942	3.67E+01	9.13E-01	1.70E-04	1.60E-01	8.64E+00	5.13E-01	3.54E+00	3.36E+00	4.71E+01
4514	483363.09	3858877.25	3.44902	3.92988	6.77395	2.97443	21.4649	4.95892	3.94571	3.92988	3.54E+01	1.77E+00	1.72E-04	1.54E-01	9.89E+00	6.86E-01	6.81E+00	6.51E+00	4.82E+01
4515	483863.09	3858877.25	3.78259	3.86703	6.31104	3.31123	21.92841	5.06339	3.8773	3.86703	3.88E+01	1.74E+00	1.60E-04	1.71E-01	1.01E+01	7.00E-01	6.69E+00	6.41E+00	5.18E+01
4516	484363.09	3858877.25	4.24451	3.43687	8.76422	3.7397	19.63402	5.58901	3.4414	3.43687	4.35E+01	1.55E+00	2.22E-04	1.94E-01	9.05E+00	7.73E-01	5.94E+00	5.69E+00	5.53E+01
4517	484863.09	3858877.25	4.851	2.84824	7.35107	4.1943	17.17331	6.18307	2.8505	2.84824	4.97E+01	1.28E+00	1.86E-04	2.17E-01	7.91E+00	8.55E-01	4.92E+00	4.72E+00	6.02E+01
4518	485363.09	3858877.25	7.44815	2.36603	10.73072	4.75998	20.58385	6.93252	2.37021	2.36603	7.64E+01	1.06E+00	2.72E-04	2.46E-01	9.49E+00	9.58E-01	4.09E+00	3.92E+00	8.83E+01
4519	485863.09	3858877.25	8.98447	2.47925	11.30239	5.42559	29.89873	8.02361	2.1843	2.47925	9.21E+01	1.12E+00	2.87E-04	2.81E-01	1.38E+01	1.11E+00	3.77E+00	4.11E+00	1.08E+02
4520	486363.09	3858877.25	9.86669	2.57081	15.628	6.83455	30.72398	10.90788	2.33362	2.57081	1.01E+02	1.16E+00	3.96E-04	3.54E-01	1.42E+01	1.51E+00	4.03E+00	4.26E+00	1.18E+02
4521	486863.09	3858877.25	19.44177	4.16417	20.09009	8.5514	21.50192	10.97345	2.67597	4.16417	1.99E+02	1.87E+00	5.10E-04	4.43E-01	9.91E+00	1.52E+00	4.62E+00	6.90E+00	2.11E+02
4522	487363.09	3858877.25	18.25892	4.97968	20.41715	10.27649	23.61175	11.13931	3.10712	4.97968	1.87E+02	2.24E+00	5.18E-04	5.32E-01	1.09E+01	1.54E+00	5.36E+00	8.25E+00	2.00E+02
4523	487863.09	3858877.25	15.78405	4.81494	17.90103	10.94172	30.74987	29.17524	3.71306	4.81494	1.62E+02	2.17E+00	4.54E-04	5.66E-01	1.42E+01	4.03E+00	6.41E+00	7.98E+00	1.81E+02
4524	488363.09	3858877.25	13.25928	7.54481	17.77963	14.90508	41.98986	12.53247	6.65125	7.54481	1.36E+02	3.40E+00	4.51E-04	7.72E-01	1.94E+01	1.73E+00	1.15E+01	1.25E+01	1.60E+02
4525	488863.09	3858877.25	14.32816	15.142	19.02626	21.33016	89.83156	10.51141	32.7701	15.142	1.47E+02	6.81E+00	4.83E-04	1.10E+00	4.14E+01	1.45E+00	5.66E+01	2.51E+01	2.29E+02
4526	489363.09	3858877.25	10.87612	6.54865	11.3831	27.82669	35.94589	13.71315	6.68555	6.54865	1.12E+02	2.95E+00	2.89E-04	1.44E+00	1.66E+01	1.90E+00	1.15E+01	1.09E+01	1.35E+02
4527	489863.09	3858877.25	7.82512	4.2832	18.47196	11.5955	28.27852	8.43232	3.38553	4.2832	8.02E+01	1.93E+00	4.69E-04	6.00E-01	1.30E+01	1.17E+00	5.85E+00	7.10E+00	9.57E+01
4528	490363.09	3858877.25	5.68999	2.98254	18.23445	8.95223	43.3723	6.77694	2.70811	2.98254	5.83E+01	1.34E+00	4.63E-04	4.63E-01	2.00E+01	9.37E-01	4.68E+00	4.94E+00	8.08E+01
4529	490863.09	3858877.25	5.52577	1.75105	16.05624	8.46345	36.83845	3.88885	2.37138	1.75105	5.67E+01	7.88E-01	4.07E-04	4.38E-01	1.70E+01	5.38E-01	4.09E+00	2.90E+00	7.66E+01
4530	491363.09	3858877.25	5.86404	1.73971	6.25564	4.96495	26.408	2.83955	2.49081	1.73971	6.01E+01	7.83E-01	1.59E-04	2.57E-01	1.22E+01	3.93E-01	4.30E+00	2.88E+00	7.52E+01
4531	491863.09	3858877.25	5.30969	1.56921	4.15935	3.00649	11.98801	2.02545	1.99387	1.56921	5.44E+01	7.06E-01	1.06E-04	1.56E-01	5.52E+00	2.80E-01	3.44E+00	2.60E+00	6.20E+01
4532	492363.09	3858877.25	5.30345	1.53886	3.04199	2.71485	17.95408	1.89523	1.89901	1.53886	5.44E+01	6.93E-01	7.72E-05	1.41E-01	8.27E+00	2.62E-01	3.28E+00	2.55E+00	6.45E+01
4533	492863.09	3858877.25	4.89599	1.9462	3.7423	3.72225	20.56526	2.49936	2.09978	1.9462	5.02E+01	8.76E-01	9.49E-05	1.93E-01	9.48E+00	3.46E-01	3.63E+00	3.22E+00	6.15E+01
4534	493363.09	3858877.25	4.51289	2.1349	3.03023	3.03189	19.77174	2.51278	2.17315	2.1349	4.63E+01	9.61E-01	7.69E-05	1.57E-01	9.11E+00	3.47E-01	3.75E+00	3.54E+00	5.71E+01
4535	493863.09	3858877.25	3.89484	2.20244	1.89611	2.66523	11.85575	3.31328	2.22282	2.20244	3.99E+01	9.91E-01	4.81E-05	1.38E-01	5.46E+00	4.58E-01	3.84E+00	3.65E+00	4.72E+01
4536	494363.09	3858877.25	3.47881	1.84372	1.73509	2.28378	8.29824	3.53482	1.85689	1.84372	3.57E+01	8.30E-01	4.40E-05	1.18E-01	3.82E+00	4.89E-01	3.21E+00	3.05E+00	4.11E+01
4537	494863.09	3858877.25	3.40892	1.02504	1.78542	1.9825	9.94792	3.67943	1.03069	1.02504	3.50E+01	4.61E-01	4.53E-05	1.03E-01	4.58E+00	5.09E-01	1.78E+00	1.70E+00	4.07E+01
4538	495363.09	3858877.25	3.35017	0.77181	1.80145	1.73534	11.01541	3.13749	0.7927	0.77181	3.44E+01	3.47E-01	4.57E-05	8.98E-02	5.08E+00	4.34E-01	1.37E+00	1.28E+00	4.04E+01
4539	495863.09	3858877.25	3.30674	0.79451	1.7914	1.59312	11.42326	9.38513	0.8066	0.79451	3.39E+01	3.58E-01	4.54E-05	8.25E-02	5.26E+00	1.30E+00	1.39E+00	1.32E+00	4.10E+01

4540	496363.09	3858877.25	3.27413	0.75722	1.76306	1.58774	11.20077	6.51237	0.76336	0.75722	3.36E+01	3.41E-01	4.47E-05	8.22E-02	5.16E+00	9.00E-01	1.32E+00	1.25E+00	4.01E+01
4541	496863.09	3858877.25	3.24431	0.66703	1.72292	1.58281	10.46762	5.31332	0.67263	0.66703	3.33E+01	3.00E-01	4.37E-05	8.19E-02	4.82E+00	7.35E-01	1.16E+00	1.11E+00	3.93E+01
4542	497363.09	3858877.25	3.21566	0.63953	1.67528	1.57489	9.3932	3.54241	0.60763	0.63953	3.30E+01	2.88E-01	4.25E-05	8.15E-02	4.33E+00	4.90E-01	1.05E+00	1.06E+00	3.82E+01
4543	497863.09	3858877.25	3.22737	1.07599	1.62011	1.59195	8.19648	3.08669	1.08627	1.07599	3.31E+01	4.84E-01	4.11E-05	8.24E-02	3.78E+00	4.27E-01	1.88E+00	1.78E+00	3.80E+01
4544	498363.09	3858877.25	3.25973	1.36416	1.73415	1.92691	7.57909	2.93224	1.37593	1.36416	3.34E+01	6.14E-01	4.40E-05	9.97E-02	3.49E+00	4.05E-01	2.38E+00	2.26E+00	3.82E+01
4545	471363.09	3859377.25	2.24041	0.7441	1.2913	0.82182	6.81238	0.88139	0.75463	0.7441	2.30E+01	3.35E-01	3.28E-05	4.25E-02	3.14E+00	1.22E-01	1.30E+00	1.23E+00	2.67E+01
4546	471863.09	3859377.25	2.23879	0.75527	1.79331	0.85835	6.66171	0.88848	0.76536	0.75527	2.30E+01	3.40E-01	4.55E-05	4.44E-02	3.07E+00	1.23E-01	1.32E+00	1.25E+00	2.66E+01
4547	472363.09	3859377.25	2.22975	0.76106	2.21545	0.92335	6.44239	0.98305	0.77008	0.76106	2.29E+01	3.43E-01	5.62E-05	4.78E-02	2.97E+00	1.36E-01	1.33E+00	1.26E+00	2.64E+01
4548	472863.09	3859377.25	2.22788	0.79028	2.04945	0.98504	7.34103	1.04998	0.79891	0.79028	2.28E+01	3.56E-01	5.20E-05	5.10E-02	3.38E+00	1.45E-01	1.38E+00	1.31E+00	2.68E+01
4549	473363.09	3859377.25	2.21592	0.79624	1.88707	1.06311	8.79657	1.13918	0.804	0.79624	2.27E+01	3.58E-01	4.79E-05	5.50E-02	4.05E+00	1.57E-01	1.39E+00	1.32E+00	2.74E+01
4550	473863.09	3859377.25	2.28257	0.78803	1.47108	1.12179	10.21364	1.13984	0.79627	0.78803	2.34E+01	3.55E-01	3.73E-05	5.81E-02	4.71E+00	1.58E-01	1.37E+00	1.31E+00	2.88E+01
4551	474363.09	3859377.25	2.29801	0.72827	1.21737	1.01793	10.52228	0.89809	0.7409	0.72827	2.36E+01	3.28E-01	3.09E-05	5.27E-02	4.85E+00	1.24E-01	1.28E+00	1.21E+00	2.90E+01
4552	474863.09	3859377.25	2.2345	0.67706	1.24745	0.81806	6.95407	0.90447	0.68337	0.67706	2.29E+01	3.05E-01	3.16E-05	4.23E-02	3.20E+00	1.25E-01	1.18E+00	1.12E+00	2.66E+01
4553	475363.09	3859377.25	2.17761	0.36156	1.13367	0.83645	4.10116	0.75745	0.3637	0.36156	2.23E+01	1.63E-01	2.88E-05	4.33E-02	1.89E+00	1.05E-01	6.28E-01	5.99E-01	2.46E+01
4554	475863.09	3859377.25	1.05616	0.3671	0.63159	0.66058	2.59377	0.69366	0.36933	0.3671	1.08E+01	1.65E-01	1.60E-05	3.42E-02	1.20E+00	9.59E-02	6.38E-01	6.08E-01	1.23E+01
4555	476363.09	3859377.25	1.00391	0.37015	0.58066	0.66237	2.61546	0.6978	0.37238	0.37015	1.03E+01	1.67E-01	1.47E-05	3.43E-02	1.21E+00	9.65E-02	6.43E-01	6.13E-01	1.18E+01
4556	476863.09	3859377.25	0.93398	0.37185	0.57309	0.52186	2.84877	0.55353	0.37405	0.37185	9.58E+00	1.67E-01	1.45E-05	2.70E-02	1.31E+00	7.65E-02	6.46E-01	6.16E-01	1.12E+01
4557	477363.09	3859377.25	0.89543	0.37352	0.55514	0.65935	3.01233	0.55929	0.37568	0.37352	9.18E+00	1.68E-01	1.41E-05	3.41E-02	1.39E+00	7.73E-02	6.49E-01	6.19E-01	1.09E+01
4558	477863.09	3859377.25	1.11337	0.37524	1.18232	0.82067	4.03298	0.70674	0.37736	0.37524	1.14E+01	1.69E-01	3.00E-05	4.25E-02	1.86E+00	9.77E-02	6.52E-01	6.22E-01	1.36E+01
4559	478363.09	3859377.25	1.50264	0.3844	1.54127	1.00091	6.0858	0.9226	0.38647	0.3844	1.54E+01	1.73E-01	3.91E-05	5.18E-02	2.80E+00	1.28E-01	6.67E-01	6.37E-01	1.86E+01
4560	478863.09	3859377.25	2.33125	0.66178	1.44018	1.2303	9.22078	0.9307	0.67112	0.66178	2.39E+01	2.98E-01	3.65E-05	6.37E-02	4.25E+00	1.29E-01	1.16E+00	1.10E+00	2.87E+01
4561	479363.09	3859377.25	2.70789	0.75135	2.13495	1.92388	11.8359	0.94698	0.76506	0.75135	2.78E+01	3.38E-01	5.42E-05	9.96E-02	5.45E+00	1.31E-01	1.32E+00	1.24E+00	3.39E+01
4562	479863.09	3859377.25	2.89055	0.7953	3.09307	2.44553	13.81572	1.57425	0.80013	0.7953	2.96E+01	3.58E-01	7.85E-05	1.27E-01	6.37E+00	2.18E-01	1.38E+00	1.32E+00	3.68E+01
4563	480363.09	3859377.25	2.95614	0.8842	4.2212	2.70929	14.23868	2.41966	0.89334	0.8842	3.03E+01	3.98E-01	1.07E-04	1.40E-01	6.56E+00	3.35E-01	1.54E+00	1.47E+00	3.78E+01
4564	480863.09	3859377.25	3.19717	0.95247	4.29192	2.77154	13.48007	2.96649	0.96177	0.95247	3.28E+01	4.29E-01	1.09E-04	1.43E-01	6.21E+00	4.10E-01	1.66E+00	1.58E+00	4.01E+01
4565	481363.09	3859377.25	3.3392	1.06226	5.96209	2.96082	12.52938	3.2464	1.08182	1.06226	3.42E+01	4.78E-01	1.51E-04	1.53E-01	5.77E+00	4.49E-01	1.87E+00	1.76E+00	4.12E+01
4566	481863.09	3859377.25	3.36434	1.46996	4.70005	3.11127	17.23634	3.33932	1.35637	1.46996	3.45E+01	6.62E-01	1.19E-04	1.61E-01	7.94E+00	4.62E-01	2.34E+00	2.44E+00	4.36E+01
4567	482363.09	3859377.25	3.59277	1.71629	5.53633	3.22972	20.13831	3.23804	1.50497	1.71629	3.68E+01	7.72E-01	1.40E-04	1.67E-01	9.28E+00	4.48E-01	2.60E+00	2.84E+00	4.73E+01
4568	482863.09	3859377.25	3.75467	1.62231	5.28248	3.77581	19.84589	3.3968	1.64038	1.62231	3.85E+01	7.30E-01	1.34E-04	1.95E-01	9.15E+00	4.70E-01	2.83E+00	2.69E+00	4.92E+01
4569	483363.09	3859377.25	3.78704	1.82558	5.0847	3.89914	16.55339	3.90246	1.83133	1.82558	3.88E+01	8.22E-01	1.29E-04	2.02E-01	7.63E+00	5.40E-01	3.16E+00	3.02E+00	4.82E+01
4570	483863.09	3859377.25	3.94446	2.41848	7.71315	4.08387	12.17793	3.67758	2.43811	2.41848	4.04E+01	1.09E+00	1.96E-04	2.11E-01	5.61E+00	5.08E-01	4.21E+00	4.01E+00	4.81E+01
4571	484363.09	3859377.25	4.31882	3.3042	7.92552	4.50705	16.37604	4.34042	3.3281	3.3042	4.43E+01	1.49E+00	2.01E-04	2.33E-01	7.55E+00	6.00E-01	5.75E+00	5.47E+00	5.44E+01
4572	484863.09	3859377.25	4.80106	4.07594	5.72704	4.79869	16.7803	5.05715	4.09959	4.07594	4.92E+01	1.83E+00	1.45E-04	2.48E-01	7.73E+00	6.99E-01	7.08E+00	6.75E+00	6.01E+01
4573	485363.09	3859377.25	5.45248	4.46069	9.98747	4.8228	25.19608	5.3566	4.47854	4.46069	5.59E+01	2.01E+00	2.53E-04	2.50E-01	1.16E+01	7.41E-01	7.73E+00	7.39E+00	7.09E+01
4574	485863.09	3859377.25	7.33036	4.26453	10.35564	5.23029	25.07738	6.38474	4.27342	4.26453	7.52E+01	1.92E+00	2.63E-04	2.71E-01	1.16E+01	8.83E-01	7.38E+00	7.07E+00	9.01E+01
4575	486363.09	3859377.25	8.38954	3.56275	11.17384	6.00535	18.187	9.87187	3.56359	3.56275	8.60E+01	1.60E+00	2.83E-04	3.11E-01	8.38E+00	1.36E+00	6.15E+00	5.90E+00	9.79E+01
4576	486863.09	3859377.25	16.8146	2.73146	15.54456	6.019	18.76331	20.40286	2.73171	2.73146	1.72E+02	1.23E+00	3.94E-04	3.12E-01	8.65E+00	2.82E+00	4.72E+00	4.53E+00	1.86E+02
4577	487363.09	3859377.25	20.26914	3.80398	11.81959	8.69409	23.05708	11.30252	2.45604	3.80398	2.08E+02	1.71E+00	3.00E-04	4.50E-01	1.06E+01	1.56E+00	4.24E+00	6.30E+00	2.20E+02
4578	487863.09	3859377.25	18.70711	4.00915	10.74816	9.19548	22.71158	9.09778	3.10109	4.00915	1.92E+02	1.80E+00	2.73E-04	4.76E-01	1.05E+01	1.26E+00	5.35E+00	6.64E+00	2.05E+02
4579	488363.09	3859377.25	16.23819	3.97264	10.79473	9.07807	34.26427	23.6795	3.95521	3.97264	1.67E+02	1.79E+00	2.74E-04	4.70E-01	1.58E+01	3.27E+00	6.83E+00	6.58E+00	1.88E+02
4580	488863.09	3859377.25	12.703	5.29878	13.13573	13.27177	56.86379	16.93232	5.31361	5.29878	1.30E+02	2.38E+00	3.33E-04	6.87E-01	2.62E+01	2.34E+00	9.17E+00	8.78E+00	1.62E+02
4581	489363.09	3859377.25	10.98196	10.0743	17.61821	16.27854	52.82768	9.50632	9.80895	10.0743	1.13E+02	4.53E+00	4.47E-04	8.43E-01	2.43E+01	1.31E+00	1.69E+01	1.67E+01	1.44E+02
4582	489863.09	3859377.25	12.33594	12.43333	89.2873	41.54614	23.40128	29.03043	12.454	12.43333	1.26E+02	5.60E+00	2.27E-03	2.15E+00	1.08E+01	4.01E+00	2.15E+01	2.06E+01	1.50E+02
4583	490363.09	3859377.25	8.41577	5.39856	30.38592	11.34309	18.71211	10.5897	5.31184	5.39856	8.63E+01	2.43E+00	7.71E-04	5.87E-01	8.62E+00	1.46E+00	9.17E+00	8.95E+00	9.96E+01
4584	490863.09	3859377.25	6.81929	2.80647	19.20915	7.31307	25.93245	6.14094	2.68598	2.80647	6.99E+01	1.26E+00	4.87E-04	3.79E-01	1.20E+01	8.49E-01	4.64E+00	4.65E+00	8.44E+01
4585	491363.09	3859377.25	5.60196	1.41492	9.04123	5.31172	37.33113	3.18314	2.64221	1.41492	5.74E+01	6.37E-01	2.29E-04	2.75E-01	1.72E+01	4.40E-01	4.56E+00	2.34E+00	7.82E+01
4586	491863.09	3859377.25	4.69814	1.44599	8.2377	5.94326	27.65808	3.03687	2.16594	1.44599	4.82E+01	6.51E-01	2.09E-04	3.08E-01	1.27E+01	4.20E-01	3.74E+00	2.40E+00	6.36E+01
4587	492363.09	3859377.25	4.65335	1.4517	7.27118	5.32346	20.47845	2.95957	2.0196	1.4517	4.77E+01	6.53E-01	1.84E-04	2.76E-01	9.44E+00	4.09E-01	3.49E+00	2.41E+00	5.96E+01
4588	492863.09	3859377.25	4.56215	1.45867	6.67449	4.33735	22.07247	2.89851	1.88662	1.45867	4.68E+01	6.56E-01	1.69E-04	2.25E-01	1.02E+01	4.01E-01	3.26E+00	2.42E+00	5.91E+01
4589	493363.09	3859377.25	4.56745	1.53157	4.685	3.68371	18.8601	2.97164	1.87726	1.53157	4.68E+01	6.89E-01	1.19E-04	1.91E-01	8.69E+00	4.11E-01	3.24E+00	2.54E+00	5.75E+01
4590	493863.09	3859377.25	4.41749	1.77334	4.16307	3.76603	19.36745	4.78139	1.91865	1.77334	4.53E+01	7.98E-01	1.06E-04	1.95E-01	8.93E+00	6.61E-01	3.31E+00	2.94E+00	5.63E+01
4591	494363.09	3859377.25	4.25014	1.84687	3.7339	3.37154	16.10798	6.60109	1.8902	1.84687	4.36E+01	8.31E-01	9.47E-05	1.75E-01	7.42E+00	9.13E-01	3.26E+00	3.06E+00	5.31E+01
4592	494863.09	3859377.25	4.06244	1.96844	1.97577	2.47142	14.05436	15.14827	1.98788	1.96844	4.17E+01	8.86E-01	5.01E-05	1.28E-01	6.48E+00	2.09E+00	3.43E+00	3.26E+00	5.14E+01
4593	495363.09	3859377.25	3.76208	1.61343	1.76285	2.6121	13.7548	8.57339	1.62572	1.61343	3.86E+01	7.26E-01	4.47E-05	1.35E-01	6.34E+00	1.19E+00	2.81E+00	2.67E+00	4.71E+01
4594	495863.09	3859377.25	3.40478	0.99033	1.61915	2.58519	12.10102	4.81833	0.99649	0.99033	3.49E+01	4.46E-01	4.11E-05	1.34E-01	5.58E+00	6.66E-01	1.72E+00	1.64E+00	4.18E+01
4595	496363.09	3859377.25	3.16149	0.78023	1.49501	2.44202	10.94198	4.88261	0.77245	0.78023	3.24E+01	3.51E-01	3.79E-05	1.26E-01	5.04E+00	6.75E-01	1.33E+00	1.29E+00	3.87E+01
4596	496863.09	3859377.25	2.86312	0.76702	1.38796	2.2335	7.74709	3.90711	0.78161	0.76702	2.94E+01	3.45E-01	3.52E-05	1.16E-01	3.57E+00	5.40E-01	1.35E+00	1.27E+00	3.40E+01
4597	497363.09	3859377.25	2.91146	0.73362	1.29672	2.04738	9.92804	3.50433	0.74276	0.73362	2.99E+01	3.30E-01	3.29E-05	1.06E-01	4.58E+00	4.84E-01	1.28E+00	1.22E+00	3.54E+01
4598	497863.09	3859377.25	2.99683	0.71168	1.77035	1.93937	12.41724	3.35735	0.70236	0.71168	3.07E+01	3.20E-01	4.49E-05	1.00E-01	5.72E+00	4.64E-01	1.21E+00	1.18E+00	3.74E+01

4599	498363.09	3859377.25	3.01234	1.26096	2.27179	3.14333	11.88201	3.36847	1.26069	1.26096	3.09E+01	5.67E-01	5.76E-05	1.63E-01	5.48E+00	4.66E-01	2.18E+00	2.09E+00	3.76E+01
4600	471363.09	3859877.25	2.24745	0.71345	2.05341	1.25712	9.20329	1.06991	0.72115	0.71345	2.30E+01	3.21E-01	5.21E-05	6.51E-02	4.24E+00	1.48E-01	1.25E+00	1.18E+00	2.79E+01
4601	471863.09	3859877.25	2.26001	0.71968	1.73031	1.30735	10.03938	1.11441	0.72713	0.71968	2.32E+01	3.24E-01	4.39E-05	6.77E-02	4.63E+00	1.54E-01	1.26E+00	1.19E+00	2.84E+01
4602	472363.09	3859877.25	2.29375	0.74622	1.62482	1.34531	10.72069	1.12114	0.75415	0.74622	2.35E+01	3.36E-01	4.12E-05	6.96E-02	4.94E+00	1.55E-01	1.30E+00	1.24E+00	2.91E+01
4603	472863.09	3859877.25	2.24971	0.76568	1.42015	1.38232	10.97739	1.19023	0.77288	0.76568	2.31E+01	3.45E-01	3.60E-05	7.16E-02	5.06E+00	1.65E-01	1.33E+00	1.27E+00	2.88E+01
4604	473363.09	3859877.25	2.2013	0.77096	1.50653	1.44288	10.94869	1.26295	0.77805	0.77096	2.26E+01	3.47E-01	3.82E-05	7.47E-02	5.05E+00	1.75E-01	1.34E+00	1.28E+00	2.83E+01
4605	473863.09	3859877.25	2.15925	0.75228	1.48408	1.54126	10.76775	1.29754	0.75909	0.75228	2.21E+01	3.39E-01	3.76E-05	7.98E-02	4.96E+00	1.79E-01	1.31E+00	1.25E+00	2.78E+01
4606	474363.09	3859877.25	2.20163	0.7359	1.14388	1.51971	9.94243	0.95655	0.74779	0.7359	2.26E+01	3.31E-01	2.90E-05	7.87E-02	4.58E+00	1.32E-01	1.29E+00	1.22E+00	2.78E+01
4607	474863.09	3859877.25	2.02856	0.68746	1.31884	1.27909	7.08309	0.86141	0.69896	0.68746	2.08E+01	3.09E-01	3.35E-05	6.62E-02	3.26E+00	1.19E-01	1.21E+00	1.14E+00	2.46E+01
4608	475363.09	3859877.25	1.81684	0.36606	0.92562	0.95654	5.50607	0.866	0.36825	0.36606	1.86E+01	1.65E-01	2.35E-05	4.95E-02	2.54E+00	1.20E-01	6.36E-01	6.07E-01	2.15E+01
4609	475863.09	3859877.25	1.08033	0.36471	0.73871	0.58312	3.73998	0.67077	0.36693	0.36471	1.11E+01	1.64E-01	1.87E-05	3.02E-02	1.72E+00	9.27E-02	6.34E-01	6.04E-01	1.31E+01
4610	476363.09	3859877.25	0.87664	0.36745	0.45458	0.51817	2.72279	0.52581	0.36968	0.36745	8.99E+00	1.65E-01	1.15E-05	2.68E-02	1.25E+00	7.27E-02	6.38E-01	6.09E-01	1.05E+01
4611	476863.09	3859877.25	0.87126	0.36911	0.6378	0.51876	3.83956	0.52919	0.3713	0.36911	8.93E+00	1.66E-01	1.62E-05	2.69E-02	1.77E+00	7.32E-02	6.41E-01	6.12E-01	1.10E+01
4612	477363.09	3859877.25	0.85475	0.37073	1.07235	0.52658	4.97806	0.53116	0.3729	0.37073	8.76E+00	1.67E-01	2.72E-05	2.73E-02	2.29E+00	7.34E-02	6.44E-01	6.14E-01	1.14E+01
4613	477863.09	3859877.25	1.13259	0.37239	0.9714	0.63883	5.89976	0.67947	0.37451	0.37239	1.16E+01	1.68E-01	2.46E-05	3.31E-02	2.72E+00	9.39E-02	6.47E-01	6.17E-01	1.47E+01
4614	478363.09	3859877.25	1.67338	0.38153	1.18639	0.95696	6.49857	0.88515	0.38359	0.38153	1.72E+01	1.72E-01	3.01E-05	4.95E-02	2.99E+00	1.22E-01	6.62E-01	6.32E-01	2.05E+01
4615	478863.09	3859877.25	2.63328	0.6637	1.06523	1.17963	12.61459	1.15237	0.67186	0.6637	2.70E+01	2.99E-01	2.70E-05	6.11E-02	5.81E+00	1.59E-01	1.16E+00	1.10E+00	3.34E+01
4616	479363.09	3859877.25	2.9526	0.75248	2.09566	2.02566	11.437	1.38075	0.7633	0.75248	3.03E+01	3.39E-01	5.32E-05	1.05E-01	5.27E+00	1.91E-01	1.32E+00	1.25E+00	3.63E+01
4617	479863.09	3859877.25	3.0514	0.8693	3.12044	2.77654	9.40173	1.68744	0.88586	0.8693	3.13E+01	3.91E-01	7.92E-05	1.44E-01	4.33E+00	2.33E-01	1.53E+00	1.44E+00	3.65E+01
4618	480363.09	3859877.25	3.09058	1.13348	4.07273	3.21263	12.46241	2.16596	1.15557	1.13348	3.17E+01	5.10E-01	1.03E-04	1.66E-01	5.74E+00	2.99E-01	2.00E+00	1.88E+00	3.85E+01
4619	480863.09	3859877.25	3.15684	1.2839	5.25643	3.49356	15.48967	2.309	1.30743	1.2839	3.24E+01	5.78E-01	1.33E-04	1.81E-01	7.14E+00	3.19E-01	2.26E+00	2.13E+00	4.07E+01
4620	481363.09	3859877.25	3.23792	1.43504	3.11572	3.62862	16.60678	2.44035	1.45855	1.43504	3.32E+01	6.46E-01	7.90E-05	1.88E-01	7.65E+00	3.37E-01	2.52E+00	2.38E+00	4.22E+01
4621	481863.09	3859877.25	3.36233	1.56402	3.14481	3.78441	15.35744	2.48675	1.48313	1.56402	3.45E+01	7.04E-01	7.98E-05	1.96E-01	7.08E+00	3.44E-01	2.56E+00	2.59E+00	4.28E+01
4622	482363.09	3859877.25	3.45474	1.60393	4.71605	3.7546	13.78473	2.48186	1.50523	1.60393	3.54E+01	7.22E-01	1.20E-04	1.94E-01	6.35E+00	3.43E-01	2.60E+00	2.66E+00	4.30E+01
4623	482863.09	3859877.25	3.53835	1.46464	6.71046	3.65385	10.43148	2.93566	1.48221	1.46464	3.63E+01	6.59E-01	1.70E-04	1.89E-01	4.81E+00	4.06E-01	2.56E+00	2.43E+00	4.25E+01
4624	483363.09	3859877.25	3.58825	1.44174	5.7205	3.51872	13.18302	3.52467	1.45537	1.44174	3.68E+01	6.49E-01	1.45E-04	1.82E-01	6.08E+00	4.87E-01	2.51E+00	2.39E+00	4.43E+01
4625	483863.09	3859877.25	3.47478	1.7634	4.09475	3.48701	14.90753	3.67306	1.77277	1.7634	3.56E+01	7.94E-01	1.04E-04	1.81E-01	6.87E+00	5.08E-01	3.06E+00	2.92E+00	4.41E+01
4626	484363.09	3859877.25	3.56698	2.22718	5.81311	3.88276	13.77864	3.6234	2.23739	2.22718	3.66E+01	1.00E+00	1.47E-04	2.01E-01	6.35E+00	5.01E-01	3.86E+00	3.69E+00	4.48E+01
4627	484863.09	3859877.25	3.72066	2.56688	6.72435	3.87146	21.70496	4.09564	2.57484	2.56688	3.82E+01	1.16E+00	1.71E-04	2.00E-01	1.00E+01	5.66E-01	4.45E+00	4.25E+00	5.03E+01
4628	485363.09	3859877.25	3.98002	2.71695	8.3555	3.75047	21.18534	4.5618	2.71949	2.71695	4.08E+01	1.22E+00	2.12E-04	1.94E-01	9.76E+00	6.31E-01	4.70E+00	4.50E+00	5.28E+01
4629	485863.09	3859877.25	5.45964	2.61356	7.80221	5.40402	14.89636	4.79425	2.60765	2.61356	5.60E+01	1.18E+00	1.98E-04	2.80E-01	6.86E+00	6.63E-01	4.50E+00	4.33E+00	6.51E+01
4630	486363.09	3859877.25	7.16815	3.59039	9.26261	6.34068	14.65412	5.40254	3.62054	3.59039	7.35E+01	1.62E+00	2.35E-04	3.28E-01	6.75E+00	7.47E-01	6.25E+00	5.95E+00	8.32E+01
4631	486863.09	3859877.25	8.34567	4.67214	7.64999	5.93616	16.11623	8.09844	4.70281	4.67214	8.56E+01	2.10E+00	1.94E-04	3.07E-01	7.43E+00	1.12E+00	8.12E+00	7.74E+00	9.69E+01
4632	487363.09	3859877.25	15.68119	5.18224	8.37917	5.18378	24.61773	10.44373	5.20397	5.18224	1.61E+02	2.33E+00	2.13E-04	2.68E-01	1.13E+01	1.44E+00	8.98E+00	8.59E+00	1.77E+02
4633	487863.09	3859877.25	20.86594	4.67345	10.96432	6.78363	17.42719	11.91586	4.67853	4.67345	2.14E+02	2.10E+00	2.78E-04	3.51E-01	8.03E+00	1.65E+00	8.08E+00	7.74E+00	2.26E+02
4634	488363.09	3859877.25	19.11428	3.51793	13.12306	7.38025	25.2654	19.71602	3.51264	3.51793	1.96E+02	1.58E+00	3.33E-04	3.82E-01	1.16E+01	2.73E+00	6.06E+00	5.83E+00	2.13E+02
4635	488863.09	3859877.25	14.95223	3.13863	18.19124	11.97058	20.47345	7.91787	3.13778	3.13863	1.53E+02	1.41E+00	4.61E-04	6.20E-01	9.44E+00	1.09E+00	5.42E+00	5.20E+00	1.66E+02
4636	489363.09	3859877.25	10.5864	3.97327	22.48986	12.9448	56.94109	9.08365	5.06235	3.97327	1.09E+02	1.79E+00	5.71E-04	6.70E-01	2.62E+01	1.26E+00	8.74E+00	6.58E+00	1.41E+02
4637	489863.09	3859877.25	8.86803	5.21131	10.53522	10.34071	34.57846	8.7732	5.98208	5.21131	9.09E+01	2.35E+00	2.67E-04	5.35E-01	1.59E+01	1.21E+00	1.03E+01	8.63E+00	1.13E+02
4638	490363.09	3859877.25	9.75949	11.99995	24.85618	14.75977	15.47588	9.71457	10.3874	11.99995	1.00E+02	5.40E+00	6.31E-04	7.64E-01	7.13E+00	1.34E+00	1.79E+01	1.99E+01	1.13E+02
4639	490863.09	3859877.25	11.85508	21.56482	21.41333	50.36	15.96248	38.7567	23.4214	21.56482	1.22E+02	9.71E+00	5.43E-04	2.61E+00	7.36E+00	5.36E+00	4.04E+01	3.57E+01	1.51E+02
4640	491363.09	3859877.25	6.89376	6.96328	14.85125	18.6086	17.71986	10.61634	7.17032	6.96328	7.07E+01	3.13E+00	3.77E-04	9.63E-01	8.17E+00	1.47E+00	1.24E+01	1.15E+01	8.53E+01
4641	491863.09	3859877.25	5.37697	4.97226	12.4074	9.62096	22.19554	7.07621	5.09054	4.97226	5.51E+01	2.24E+00	3.15E-04	4.98E-01	1.02E+01	9.78E-01	8.79E+00	8.24E+00	6.96E+01
4642	492363.09	3859877.25	4.24332	3.67775	9.92078	7.2617	24.73806	6.23122	3.73863	3.67775	4.35E+01	1.66E+00	2.52E-04	3.76E-01	1.14E+01	8.61E-01	6.45E+00	6.09E+00	5.82E+01
4643	492863.09	3859877.25	4.04454	2.56924	7.70755	5.22366	18.37709	5.08035	2.59837	2.56924	4.15E+01	1.16E+00	1.96E-04	2.70E-01	8.47E+00	7.02E-01	4.49E+00	4.26E+00	5.23E+01
4644	493363.09	3859877.25	3.80369	2.06434	5.28115	4.31063	13.6849	4.03727	2.07246	2.06434	3.90E+01	9.29E-01	1.34E-04	2.23E-01	6.31E+00	5.58E-01	3.58E+00	3.42E+00	4.72E+01
4645	493863.09	3859877.25	3.77448	1.71809	5.15233	3.80946	15.55474	3.52626	1.71765	1.71809	3.87E+01	7.73E-01	1.31E-04	1.97E-01	7.17E+00	4.88E-01	2.97E+00	2.85E+00	4.74E+01
4646	494363.09	3859877.25	3.84943	1.37276	4.78754	3.53484	16.56294	4.75134	1.68343	1.37276	3.95E+01	6.18E-01	1.21E-04	1.83E-01	7.63E+00	6.57E-01	2.91E+00	2.27E+00	4.92E+01
4647	494863.09	3859877.25	3.82438	1.42981	4.67738	3.51164	13.92263	15.37813	1.58598	1.42981	3.92E+01	6.43E-01	1.19E-04	1.82E-01	6.42E+00	2.13E+00	2.74E+00	2.37E+00	4.90E+01
4648	495363.09	3859877.25	3.7984	1.45603	4.00618	3.31183	15.54788	4.10498	1.55315	1.45603	3.89E+01	6.55E-01	1.02E-04	1.71E-01	7.17E+00	5.68E-01	2.68E+00	2.41E+00	4.78E+01
4649	495863.09	3859877.25	3.7233	1.52722	3.13611	3.28639	13.41384	3.33579	1.56364	1.52722	3.82E+01	6.87E-01	7.96E-05	1.70E-01	6.18E+00	4.61E-01	2.70E+00	2.53E+00	4.58E+01
4650	496363.09	3859877.25	3.59132	1.35278	2.05333	2.49016	12.3933	2.4507	1.36428	1.35278	3.68E+01	6.09E-01	5.21E-05	1.29E-01	5.71E+00	3.39E-01	2.36E+00	2.24E+00	4.37E+01
4651	496863.09	3859877.25	3.10628	0.77472	1.1446	2.11467	7.82285	2.39224	0.77917	0.77472	3.19E+01	3.49E-01	2.90E-05	1.09E-01	3.61E+00	3.31E-01	1.35E+00	1.28E+00	3.63E+01
4652	497363.09	3859877.25	3.27765	0.8756	1.82024	2.28088	12.80802	2.46783	0.75142	0.8756	3.36E+01	3.94E-01	4.62E-05	1.18E-01	5.90E+00	3.41E-01	1.30E+00	1.45E+00	4.02E+01
4653	497863.09	3859877.25	3.00446	1.05549	2.57135	2.73933	14.10882	3.19327	1.07889	1.05549	3.08E+01	4.75E-01	6.52E-05	1.42E-01	6.50E+00	4.41E-01	1.86E+00	1.75E+00	3.85E+01
4654	498363.09	3859877.25	2.73995	1.1486	3.11638	2.47275	9.73378	3.32155	1.15948	1.1486	2.81E+01	5.17E-01	7.91E-05	1.28E-01	4.49E+00	4.59E-01	2.00E+00	1.90E+00	3.38E+01
4655	471363.09	3860377.25	2.20831	0.68944	1.46181	1.37984	8.72418	1.12992	0.69557	0.68944	2.26E+01	3.10E-01	3.71E-05	7.14E-02	4.02E+00	1.56E-01	1.20E+00	1.14E+00	2.73E+01
4656	471863.09	3860377.25	2.17211	0.6979	1.10387	1.40027	8.20916	1.12981	0.70394	0.6979	2.23E+01	3.14E-01	2.80E-05	7.25E-02	3.78E+00	1.56E-01	1.22E+00	1.16E+00	2.67E+01
4657	472363.09	3860377.25	2.0902	0.71424	1.35975	1.48858	7.49968	1.2456	0.72069	0.71424	2.14E+01	3.21E-01	3.45E-05	7.71E-02	3.46E+00	1.72E-01	1.24E+00	1.18E+00	2.55E+01

4658	472863.09	3860377.25	1.97266	0.73416	1.69481	1.5595	6.82162	1.41673	0.74128	0.73416
4659	473363.09	3860377.25	1.88602	0.74061	2.13939	1.61885	6.85333	1.56927	0.74781	0.74061
4660	473863.09	3860377.25	1.97678	0.72407	2.60484	1.67065	6.72182	1.6707	0.73095	0.72407
4661	474363.09	3860377.25	2.07813	0.72779	2.29697	1.66991	6.32258	1.58753	0.73467	0.72779
4662	474863.09	3860377.25	2.15137	0.71541	1.61449	1.50897	7.38906	1.28903	0.72583	0.71541
4663	475363.09	3860377.25	2.1723	0.69913	1.22495	1.26146	8.63125	0.95103	0.71321	0.69913
4664	475863.09	3860377.25	2.04709	0.69816	0.91878	1.01564	10.38444	1.00776	0.70638	0.69816
4665	476363.09	3860377.25	1.6468	0.37201	1.23808	0.89129	6.31808	0.84598	0.37429	0.37201
4666	476863.09	3860377.25	1.44449	0.37184	1.23749	0.80806	6.00244	0.82349	0.37408	0.37184
4667	477363.09	3860377.25	1.15366	0.36798	0.61384	0.58386	5.69622	0.64579	0.37015	0.36798
4668	477863.09	3860377.25	1.22581	0.36964	0.98131	0.79316	4.93825	0.75395	0.37176	0.36964
4669	478363.09	3860377.25	2.081	0.38024	1.00316	1.28485	4.25161	0.86726	0.38399	0.38024
4670	478863.09	3860377.25	2.73949	0.69986	1.55378	1.88264	6.90207	1.1133	0.70903	0.69986
4671	479363.09	3860377.25	2.9092	0.74788	2.29946	2.63144	12.6963	2.01983	0.75863	0.74788
4672	479863.09	3860377.25	2.90974	0.80459	3.5634	2.93789	15.48653	2.16632	0.8121	0.80459
4673	480363.09	3860377.25	2.84925	0.89848	4.65615	2.8396	13.70485	2.17323	0.90772	0.89848
4674	480863.09	3860377.25	2.80216	1.08108	3.33914	2.67512	12.49335	2.25982	1.10466	1.08108
4675	481363.09	3860377.25	2.79648	1.24099	4.81955	2.58781	11.2055	2.45604	1.2655	1.24099
4676	481863.09	3860377.25	2.76011	1.63898	5.24806	2.84872	8.28366	2.76195	1.45005	1.63898
4677	482363.09	3860377.25	2.73634	1.56282	4.08113	3.39646	10.15168	3.06684	1.58881	1.56282
4678	482863.09	3860377.25	3.17025	1.66828	4.12852	3.82123	12.97887	2.98444	1.69524	1.66828
4679	483363.09	3860377.25	3.42704	1.91305	4.92498	3.61318	13.27673	2.92218	1.93046	1.91305
4680	483863.09	3860377.25	3.24817	2.0178	6.3361	2.84966	13.76881	2.86449	2.03139	2.0178
4681	484363.09	3860377.25	2.95948	2.44628	5.83362	3.69973	19.13823	2.91326	2.45347	2.44628
4682	484863.09	3860377.25	2.86395	2.61677	7.46402	4.65515	18.21809	3.13665	2.61935	2.61677
4683	485363.09	3860377.25	3.45496	2.70764	5.4711	4.81688	12.68558	3.62096	2.70647	2.70764
4684	485863.09	3860377.25	3.78036	2.72502	7.832	4.20057	14.16923	3.98139	2.71856	2.72502
4685	486363.09	3860377.25	5.75754	2.63252	6.82692	3.65978	14.39251	4.64493	2.62052	2.63252
4686	486863.09	3860377.25	6.9627	2.85831	6.0995	4.79003	14.686	5.70137	2.87664	2.85831
4687	487363.09	3860377.25	9.55581	3.47685	7.9803	5.31335	25.21751	8.15213	3.4954	3.47685
4688	487863.09	3860377.25	19.66276	3.85137	8.23138	5.59748	13.23816	11.60984	3.8625	3.85137
4689	488363.09	3860377.25	21.29176	3.82859	10.23271	7.61901	17.49605	16.23454	3.86988	3.82859
4690	488863.09	3860377.25	17.7717	5.52417	10.95518	10.43029	19.44544	7.46691	5.56796	5.52417
4691	489363.09	3860377.25	10.6827	6.2568	14.23905	12.15708	32.68126	5.01794	6.28126	6.2568
4692	489863.09	3860377.25	7.02891	5.04233	13.70715	6.96118	43.53512	5.74065	5.04182	5.04233
4693	490363.09	3860377.25	7.44312	4.10045	9.52754	8.17902	26.99591	6.3845	4.34358	4.10045
4694	490863.09	3860377.25	7.50133	5.75765	12.84749	9.25093	11.45384	5.32358	5.69062	5.75765
4695	491363.09	3860377.25	8.5226	9.76316	18.22929	9.76986	12.57181	6.49502	8.36789	9.76316
4696	491863.09	3860377.25	10.614	11.3046	12.44878	16.23333	10.64226	10.4812	10.4176	11.3046
4697	492363.09	3860377.25	5.84618	6.05622	11.06958	17.12399	15.24288	15.87387	5.70377	6.05622
4698	492863.09	3860377.25	4.43815	4.42893	8.47706	11.22602	18.73751	16.24551	4.28941	4.42893
4699	493363.09	3860377.25	3.83303	3.34482	7.98968	8.66248	19.00329	9.2553	3.33163	3.34482
4700	493863.09	3860377.25	3.51314	2.49449	6.9985	5.86283	13.73902	7.46195	2.50908	2.49449
4701	494363.09	3860377.25	3.36819	2.22354	6.63223	4.62473	9.99784	6.15804	2.23336	2.22354
4702	494863.09	3860377.25	3.15939	2.17297	5.74693	3.97463	12.12394	12.57724	2.17992	2.17297
4703	495363.09	3860377.25	3.16557	2.00337	4.45011	4.03338	11.80203	6.86222	2.01397	2.00337
4704	495863.09	3860377.25	3.34317	1.43183	3.61273	3.06529	12.04164	3.92736	1.44721	1.43183
4705	496363.09	3860377.25	3.41724	1.45186	2.38557	2.72439	12.16427	2.99584	1.52875	1.45186
4706	496863.09	3860377.25	3.39822	1.51668	2.25322	2.13685	12.82672	2.65559	1.53684	1.51668
4707	497363.09	3860377.25	3.38186	1.24856	2.15359	1.89176	9.34261	2.59973	1.25801	1.24856
4708	497863.09	3860377.25	3.23367	0.99691	2.11424	2.76922	10.14792	2.55151	0.81211	0.99691
4709	498363.09	3860377.25	3.02569	1.22821	2.47178	2.67164	9.03675	3.00925	1.20536	1.22821
4710	471363.09	3860877.25	1.91083	0.66573	1.8027	1.33424	5.77345	1.52902	0.67189	0.66573
4711	471863.09	3860877.25	1.80057	0.67235	1.90125	1.30802	5.44457	1.61946	0.67863	0.67235
4712	472363.09	3860877.25	1.83838	0.69357	2.22233	1.30618	4.96319	1.68421	0.70031	0.69357
4713	472863.09	3860877.25	1.88298	0.71269	2.51732	1.41306	6.06719	1.7566	0.7199	0.71269
4714	473363.09	3860877.25	1.93823	0.71991	2.30902	1.57166	7.80187	1.76362	0.72711	0.71991
4715	473863.09	3860877.25	1.99865	0.70089	1.79434	1.77747	9.4622	1.72732	0.70782	0.70089
4716	474363.09	3860877.25	2.06601	0.69135	2.19849	2.01746	10.77464	1.62953	0.69802	0.69135

2.02E+01	3.30E-01	4.30E-05	8.07E-02	3.14E+00	1.96E-01	1.28E+00	1.22E+00	2.40E+01
1.93E+01	3.33E-01	5.43E-05	8.38E-02	3.16E+00	2.17E-01	1.29E+00	1.23E+00	2.32E+01
2.03E+01	3.26E-01	6.61E-05	8.65E-02	3.10E+00	2.31E-01	1.26E+00	1.20E+00	2.41E+01
2.13E+01	3.28E-01	5.83E-05	8.64E-02	2.91E+00	2.19E-01	1.27E+00	1.21E+00	2.49E+01
2.21E+01	3.22E-01	4.10E-05	7.81E-02	3.41E+00	1.78E-01	1.25E+00	1.19E+00	2.61E+01
2.23E+01	3.15E-01	3.11E-05	6.53E-02	3.98E+00	1.31E-01	1.23E+00	1.16E+00	2.68E+01
2.10E+01	3.14E-01	2.33E-05	5.26E-02	4.79E+00	1.39E-01	1.22E+00	1.16E+00	2.63E+01
1.69E+01	1.67E-01	3.14E-05	4.61E-02	2.91E+00	1.17E-01	6.46E-01	6.16E-01	2.02E+01
1.48E+01	1.67E-01	3.14E-05	4.18E-02	2.77E+00	1.14E-01	6.46E-01	6.16E-01	1.79E+01
1.18E+01	1.66E-01	1.56E-05	3.02E-02	2.63E+00	8.93E-02	6.39E-01	6.10E-01	1.48E+01
1.26E+01	1.66E-01	2.49E-05	4.11E-02	2.28E+00	1.04E-01	6.42E-01	6.12E-01	1.52E+01
2.13E+01	1.71E-01	2.54E-05	6.65E-02	1.96E+00	1.20E-01	6.63E-01	6.30E-01	2.37E+01
2.81E+01	3.15E-01	3.94E-05	9.75E-02	3.18E+00	1.54E-01	1.22E+00	1.16E+00	3.19E+01
2.98E+01	3.37E-01	5.83E-05	1.36E-01	5.85E+00	2.79E-01	1.31E+00	1.24E+00	3.65E+01
2.98E+01	3.62E-01	9.04E-05	1.52E-01	7.14E+00	2.99E-01	1.40E+00	1.33E+00	3.79E+01
2.92E+01	4.04E-01	1.18E-04	1.47E-01	6.32E+00	3.00E-01	1.57E+00	1.49E+00	3.65E+01
2.87E+01	4.87E-01	8.47E-05	1.38E-01	5.76E+00	3.12E-01	1.91E+00	1.79E+00	3.55E+01
2.87E+01	5.59E-01	1.22E-04	1.34E-01	5.16E+00	3.40E-01	2.18E+00	2.06E+00	3.50E+01
2.83E+01	7.38E-01	1.33E-04	1.47E-01	3.82E+00	3.82E-01	2.50E+00	2.72E+00	3.32E+01
2.81E+01	7.03E-01	1.04E-04	1.76E-01	4.68E+00	4.24E-01	2.74E+00	2.59E+00	3.42E+01
3.25E+01	7.51E-01	1.05E-04	1.98E-01	5.98E+00	4.13E-01	2.93E+00	2.76E+00	4.00E+01
3.51E+01	8.61E-01	1.25E-04	1.87E-01	6.12E+00	4.04E-01	3.33E+00	3.17E+00	4.29E+01
3.33E+01	9.08E-01	1.61E-04	1.48E-01	6.35E+00	3.96E-01	3.51E+00	3.34E+00	4.13E+01
3.03E+01	1.10E+00	1.48E-04	1.92E-01	8.82E+00	4.03E-01	4.24E+00	4.05E+00	4.10E+01
2.94E+01	1.18E+00	1.89E-04	2.41E-01	8.40E+00	4.34E-01	4.52E+00	4.34E+00	3.98E+01
3.54E+01	1.22E+00	1.39E-04	2.49E-01	5.85E+00	5.01E-01	4.67E+00	4.49E+00	4.34E+01
3.88E+01	1.23E+00	1.99E-04	2.17E-01	6.53E+00	5.50E-01	4.69E+00	4.52E+00	4.75E+01
5.90E+01	1.18E+00	1.73E-04	1.89E-01	6.63E+00	6.42E-01	4.52E+00	4.36E+00	6.78E+01
7.14E+01	1.29E+00	1.55E-04	2.48E-01	6.77E+00	7.88E-01	4.97E+00	4.74E+00	8.07E+01
9.80E+01	1.56E+00	2.02E-04	2.75E-01	1.16E+01	1.13E+00	6.03E+00	5.76E+00	1.13E+02
2.02E+02	1.73E+00	2.09E-04	2.90E-01	6.10E+00	1.61E+00	6.67E+00	6.38E+00	2.12E+02
2.18E+02	1.72E+00	2.60E-04	3.94E-01	8.06E+00	2.24E+00	6.68E+00	6.34E+00	2.31E+02
1.82E+02	2.49E+00	2.78E-04	5.40E-01	8.96E+00	1.03E+00	9.61E+00	9.15E+00	1.96E+02
1.10E+02	2.82E+00	3.61E-04	6.29E-01	1.51E+01	6.94E-01	1.08E+01	1.04E+01	1.29E+02
7.21E+01	2.27E+00	3.48E-04	3.60E-01	2.01E+01	7.94E-01	8.70E+00	8.35E+00	9.59E+01
7.63E+01	1.85E+00	2.42E-04	4.23E-01	1.24E+01	8.83E-01	7.50E+00	6.79E+00	9.26E+01
7.69E+01	2.59E+00	3.26E-04	4.79E-01	5.28E+00	7.36E-01	9.82E+00	9.54E+00	8.63E+01
8.74E+01	4.39E+00	4.62E-04	5.06E-01	5.79E+00	8.98E-01	1.44E+01	1.62E+01	9.73E+01
1.09E+02	5.09E+00	3.16E-04	8.40E-01	4.90E+00	1.45E+00	1.80E+01	1.87E+01	1.20E+02
5.99E+01	2.73E+00	2.81E-04	8.86E-01	7.02E+00	2.19E+00	9.85E+00	1.00E+01	7.26E+01
4.55E+01	1.99E+00	2.15E-04	5.81E-01	8.64E+00	2.25E+00	7.41E+00	7.34E+00	5.90E+01
3.93E+01	1.51E+00	2.03E-04	4.48E-01	8.76E+00	1.28E+00	5.75E+00	5.54E+00	5.15E+01
3.60E+01	1.12E+00	1.78E-04	3.03E-01	6.33E+00	1.03E+00	4.33E+00	4.13E+00	4.50E+01
3.45E+01	1.00E+00	1.68E-04	2.39E-01	4.61E+00	8.51E-01	3.86E+00	3.68E+00	4.14E+01
3.24E+01	9.78E-01	1.46E-04	2.06E-01	5.59E+00	1.74E+00	3.76E+00	3.60E+00	4.11E+01
3.25E+01	9.02E-01	1.13E-04	2.09E-01	5.44E+00	9.49E-01	3.48E+00	3.32E+00	4.01E+01
3.43E+01	6.44E-01	9.16E-05	1.59E-01	5.55E+00	5.43E-01	2.50E+00	2.37E+00	4.13E+01
3.50E+01	6.53E-01	6.05E-05	1.41E-01	5.61E+00	4.14E-01	2.64E+00	2.41E+00	4.21E+01
3.48E+01	6.83E-01	5.72E-05	1.11E-01	5.91E+00	3.67E-01	2.65E+00	2.51E+00	4.21E+01
3.47E+01	5.62E-01	5.46E-05	9.79E-02	4.31E+00	3.59E-01	2.17E+00	2.07E+00	4.01E+01
3.32E+01	4.49E-01	5.36E-05	1.43E-01	4.68E+00	3.53E-01	1.40E+00	1.65E+00	3.85E+01
3.10E+01	5.53E-01	6.27E-05	1.38E-01	4.16E+00	4.16E-01	2.08E+00	2.04E+00	3.63E+01
1.96E+01	3.00E-01	4.57E-05	6.91E-02	2.66E+00	2.11E-01	1.16E+00	1.10E+00	2.29E+01
1.85E+01	3.03E-01	4.82E-05	6.77E-02	2.51E+00	2.24E-01	1.17E+00	1.11E+00	2.16E+01
1.89E+01	3.12E-01	5.64E-05	6.76E-02	2.29E+00	2.33E-01	1.21E+00	1.15E+00	2.18E+01
1.93E+01	3.21E-01	6.39E-05	7.31E-02	2.80E+00	2.43E-01	1.24E+00	1.18E+00	2.28E+01
1.99E+01	3.24E-01	5.86E-05	8.14E-02	3.60E+00	2.44E-01	1.26E+00	1.19E+00	2.42E+01
2.05E+01	3.15E-01	4.55E-05	9.20E-02	4.36E+00	2.39E-01	1.22E+00	1.16E+00	2.56E+01
2.12E+01	3.11E-01	5.58E-05	1.04E-01	4.97E+00	2.25E-01	1.21E+00	1.15E+00	2.69E+01

4717	474863.09	3860877.25	2.12756	0.7075	1.91991	2.21936	11.51989	1.53156	0.71427	0.7075
4718	475363.09	3860877.25	2.20673	0.73952	1.69682	2.38779	11.40034	1.26535	0.74708	0.73952
4719	475863.09	3860877.25	2.27193	0.72382	1.68496	2.28123	10.43561	1.13252	0.73617	0.72382
4720	476363.09	3860877.25	2.33449	0.71026	1.83795	1.83392	8.77814	1.0782	0.72361	0.71026
4721	476863.09	3860877.25	2.32302	0.70534	1.30146	1.47088	6.74651	1.06365	0.71739	0.70534
4722	477363.09	3860877.25	2.3376	0.70744	1.02931	1.4292	6.09813	1.10528	0.71957	0.70744
4723	477863.09	3860877.25	2.11815	0.43691	0.86419	1.46023	5.06867	1.0169	0.44243	0.43691
4724	478363.09	3860877.25	1.76177	0.37117	0.74431	1.02238	4.75039	1.02828	0.3731	0.37117
4725	478863.09	3860877.25	2.32761	0.66884	2.13505	1.44298	8.8782	1.02672	0.68034	0.66884
4726	479363.09	3860877.25	2.61612	0.74771	2.49986	2.1063	11.75176	1.88004	0.75764	0.74771
4727	479863.09	3860877.25	2.63964	0.80959	3.92871	2.50777	11.7835	1.72606	0.81752	0.80959
4728	480363.09	3860877.25	2.44585	0.90379	4.16044	2.98016	9.30542	2.13089	0.91265	0.90379
4729	480863.09	3860877.25	2.24293	0.96169	4.12738	3.3831	7.27508	2.49852	0.96803	0.96169
4730	481363.09	3860877.25	2.25138	1.13172	4.51779	3.47091	8.31549	2.65228	1.06734	1.13172
4731	481863.09	3860877.25	2.45654	1.66466	4.71219	3.09925	9.86937	2.42616	1.24868	1.66466
4732	482363.09	3860877.25	2.68922	1.41461	4.66631	2.45537	11.817	2.40057	1.0365	1.41461
4733	482863.09	3860877.25	3.16926	1.08238	4.31677	2.87875	10.57038	2.54876	1.09554	1.08238
4734	483363.09	3860877.25	3.43343	1.14796	4.87177	3.65686	12.83358	2.72749	1.16111	1.14796
4735	483863.09	3860877.25	3.18454	1.23163	5.39805	4.03028	17.9247	2.916	1.24413	1.23163
4736	484363.09	3860877.25	2.66595	1.5071	7.1542	3.86201	16.464	3.25362	1.50795	1.5071
4737	484863.09	3860877.25	2.96406	1.84265	4.46191	3.19104	10.43	3.37819	1.84462	1.84265
4738	485363.09	3860877.25	3.18161	2.11705	5.83539	2.89502	12.63743	3.83259	2.12162	2.11705
4739	485863.09	3860877.25	3.33829	2.38946	6.04758	3.32984	11.56173	4.70179	2.3967	2.38946
4740	486363.09	3860877.25	4.1358	2.68875	6.92511	4.30186	11.56617	5.27644	2.69649	2.68875
4741	486863.09	3860877.25	5.8791	2.95317	6.55416	4.25092	12.36759	6.22229	2.96168	2.95317
4742	487363.09	3860877.25	7.03935	3.19546	5.83791	4.53864	25.12564	6.54852	3.20433	3.19546
4743	487863.09	3860877.25	11.41319	3.60005	7.59539	5.7994	10.2775	10.71311	3.62306	3.60005
4744	488363.09	3860877.25	20.54263	3.87365	9.14733	6.38841	12.00522	12.16036	3.89955	3.87365
4745	488863.09	3860877.25	18.57753	4.30126	10.96003	8.48047	20.3164	7.39925	4.32119	4.30126
4746	489363.09	3860877.25	14.50723	4.27798	11.09067	11.927	13.43518	5.65074	4.28475	4.27798
4747	489863.09	3860877.25	6.82025	5.22273	8.53061	5.79284	35.65586	4.04181	5.27649	5.22273
4748	490363.09	3860877.25	5.65906	6.42481	6.84958	4.70786	28.61811	3.68194	6.45626	6.42481
4749	490863.09	3860877.25	5.90196	7.31949	8.19237	6.31565	20.88501	4.46647	7.39858	7.31949
4750	491363.09	3860877.25	6.29942	10.06195	8.55258	6.70049	9.28369	4.75249	10.063	10.06195
4751	491863.09	3860877.25	6.81055	8.52181	12.71609	6.6069	10.63092	4.33348	8.6002	8.52181
4752	492363.09	3860877.25	8.02734	16.42783	14.53439	8.5959	7.33793	5.80645	15.4283	16.42783
4753	492863.09	3860877.25	6.77226	6.07326	9.96279	9.98174	11.3532	7.04405	5.55918	6.07326
4754	493363.09	3860877.25	4.97291	4.75528	8.74615	7.97386	12.34382	8.09273	4.08198	4.75528
4755	493863.09	3860877.25	3.76731	3.45943	6.78029	5.7523	15.63641	11.86685	3.10424	3.45943
4756	494363.09	3860877.25	3.33774	2.87223	5.82977	5.03287	14.11875	25.59331	2.78874	2.87223
4757	494863.09	3860877.25	3.17318	2.52801	5.92059	4.7597	10.64838	14.43081	2.35994	2.52801
4758	495363.09	3860877.25	3.02244	2.12722	5.88779	3.71048	7.33401	9.11377	1.86972	2.12722
4759	495863.09	3860877.25	2.80758	1.80876	5.28811	3.5456	9.50495	6.98105	1.61887	1.80876
4760	496363.09	3860877.25	2.86431	1.7513	4.72661	3.70086	10.0929	6.22083	1.61252	1.7513
4761	496863.09	3860877.25	3.01304	1.421	3.92386	2.93009	10.9448	3.72109	1.31568	1.421
4762	497363.09	3860877.25	2.994	1.283	3.50204	2.59814	8.96629	3.32628	1.22377	1.283
4763	497863.09	3860877.25	3.01039	1.14217	2.74243	2.47807	10.17068	2.77594	1.12175	1.14217
4764	498363.09	3860877.25	2.91337	1.37522	3.10117	2.40741	8.39999	3.85901	1.37898	1.37522
4765	471363.09	3861377.25	1.76962	0.64838	2.20873	1.57889	6.84224	1.53222	0.65469	0.64838
4766	471863.09	3861377.25	1.80609	0.65687	2.25066	1.70061	8.37878	1.51446	0.66325	0.65687
4767	472363.09	3861377.25	1.84107	0.67802	1.93988	1.80802	9.73478	1.49072	0.68482	0.67802
4768	472863.09	3861377.25	1.86799	0.69591	1.60809	1.86208	10.72885	1.48651	0.70297	0.69591
4769	473363.09	3861377.25	1.89955	0.69829	1.80742	1.9279	11.085	1.46301	0.70532	0.69829
4770	473863.09	3861377.25	1.93668	0.68247	2.05173	2.00277	10.68715	1.42089	0.68935	0.68247
4771	474363.09	3861377.25	1.95285	0.65858	1.67842	1.9719	9.71288	1.47546	0.66533	0.65858
4772	474863.09	3861377.25	1.98675	0.68617	1.83174	1.96427	8.06014	1.64853	0.69311	0.68617
4773	475363.09	3861377.25	1.99263	0.70875	1.98587	1.88458	6.25081	1.81118	0.71615	0.70875
4774	475863.09	3861377.25	2.02142	0.75606	1.95105	1.81057	6.2168	1.92439	0.76359	0.75606
4775	476363.09	3861377.25	2.04901	0.74812	2.63642	1.76268	7.74039	1.97817	0.75547	0.74812

2.18E+01	3.18E-01	4.87E-05	1.15E-01	5.31E+00	2.12E-01	1.23E+00	1.17E+00	2.78E+01
2.26E+01	3.33E-01	4.30E-05	1.24E-01	5.25E+00	1.75E-01	1.29E+00	1.23E+00	2.86E+01
2.33E+01	3.26E-01	4.27E-05	1.18E-01	4.81E+00	1.57E-01	1.27E+00	1.20E+00	2.88E+01
2.39E+01	3.20E-01	4.66E-05	9.49E-02	4.05E+00	1.49E-01	1.25E+00	1.18E+00	2.86E+01
2.38E+01	3.17E-01	3.30E-05	7.61E-02	3.11E+00	1.47E-01	1.24E+00	1.17E+00	2.75E+01
2.40E+01	3.18E-01	2.61E-05	7.40E-02	2.81E+00	1.53E-01	1.24E+00	1.17E+00	2.74E+01
2.17E+01	1.97E-01	2.19E-05	7.56E-02	2.34E+00	1.41E-01	7.64E-01	7.24E-01	2.45E+01
1.81E+01	1.67E-01	1.89E-05	5.29E-02	2.19E+00	1.42E-01	6.44E-01	6.15E-01	2.06E+01
2.39E+01	3.01E-01	5.42E-05	7.47E-02	4.09E+00	1.42E-01	1.17E+00	1.11E+00	2.85E+01
2.68E+01	3.37E-01	6.34E-05	1.09E-01	5.42E+00	2.60E-01	1.31E+00	1.24E+00	3.30E+01
2.71E+01	3.64E-01	9.97E-05	1.30E-01	5.43E+00	2.39E-01	1.41E+00	1.34E+00	3.33E+01
2.51E+01	4.07E-01	1.06E-04	1.54E-01	4.29E+00	2.95E-01	1.58E+00	1.50E+00	3.03E+01
2.30E+01	4.33E-01	1.05E-04	1.75E-01	3.35E+00	3.45E-01	1.67E+00	1.59E+00	2.74E+01
2.31E+01	5.09E-01	1.15E-04	1.80E-01	3.83E+00	3.67E-01	1.84E+00	1.88E+00	2.79E+01
2.52E+01	7.49E-01	1.20E-04	1.60E-01	4.55E+00	3.35E-01	2.16E+00	2.76E+00	3.04E+01
2.76E+01	6.37E-01	1.18E-04	1.27E-01	5.45E+00	3.32E-01	1.79E+00	2.34E+00	3.36E+01
3.25E+01	4.87E-01	1.10E-04	1.49E-01	4.87E+00	3.52E-01	1.89E+00	1.79E+00	3.85E+01
3.52E+01	5.17E-01	1.24E-04	1.89E-01	5.91E+00	3.77E-01	2.00E+00	1.90E+00	4.23E+01
3.27E+01	5.54E-01	1.37E-04	2.09E-01	8.26E+00	4.03E-01	2.15E+00	2.04E+00	4.22E+01
2.73E+01	6.78E-01	1.81E-04	2.00E-01	7.59E+00	4.50E-01	2.60E+00	2.50E+00	3.64E+01
3.04E+01	8.29E-01	1.13E-04	1.65E-01	4.81E+00	4.67E-01	3.18E+00	3.05E+00	3.68E+01
3.26E+01	9.53E-01	1.48E-04	1.50E-01	5.82E+00	5.30E-01	3.66E+00	3.51E+00	4.02E+01
3.42E+01	1.08E+00	1.53E-04	1.72E-01	5.33E+00	6.50E-01	4.14E+00	3.96E+00	4.16E+01
4.24E+01	1.21E+00	1.76E-04	2.23E-01	5.33E+00	7.29E-01	4.66E+00	4.46E+00	5.01E+01
6.03E+01	1.33E+00	1.66E-04	2.20E-01	5.70E+00	8.60E-01	5.11E+00	4.89E+00	6.86E+01
7.22E+01	1.44E+00	1.48E-04	2.35E-01	1.16E+01	9.05E-01	5.53E+00	5.29E+00	8.66E+01
1.17E+02	1.62E+00	1.93E-04	3.00E-01	4.74E+00	1.48E+00	6.26E+00	5.97E+00	1.25E+02
2.11E+02	1.74E+00	2.32E-04	3.31E-01	5.53E+00	1.68E+00	6.73E+00	6.42E+00	2.20E+02
1.90E+02	1.94E+00	2.78E-04	4.39E-01	9.36E+00	1.02E+00	7.46E+00	7.13E+00	2.04E+02
1.49E+02	1.93E+00	2.81E-04	6.17E-01	6.19E+00	7.81E-01	7.40E+00	7.09E+00	1.59E+02
6.99E+01	2.35E+00	2.16E-04	3.00E-01	1.64E+01	5.59E-01	9.11E+00	8.65E+00	9.00E+01
5.80E+01	2.89E+00	1.74E-04	2.44E-01	1.32E+01	5.09E-01	1.11E+01	1.06E+01	7.54E+01
6.05E+01	3.29E+00	2.08E-04	3.27E-01	9.62E+00	6.17E-01	1.28E+01	1.21E+01	7.50E+01
6.46E+01	4.53E+00	2.17E-04	3.47E-01	4.28E+00	6.57E-01	1.74E+01	1.67E+01	7.51E+01
6.98E+01	3.84E+00	3.23E-04	3.42E-01	4.90E+00	5.99E-01	1.48E+01	1.41E+01	8.02E+01
8.23E+01	7.39E+00	3.69E-04	4.45E-01	3.38E+00	8.03E-01	2.66E+01	2.72E+01	9.38E+01
6.94E+01	2.73E+00	2.53E-04	5.17E-01	5.23E+00	9.74E-01	9.60E+00	1.01E+01	7.84E+01
5.10E+01	2.14E+00	2.22E-04	4.13E-01	5.69E+00	1.12E+00	7.05E+00	7.88E+00	5.95E+01
3.86E+01	1.56E+00	1.72E-04	2.98E-01	7.21E+00	1.64E+00	5.36E+00	5.73E+00	4.90E+01
3.42E+01	1.29E+00	1.48E-04	2.61E-01	6.51E+00	3.54E+00	4.81E+00	4.76E+00	4.59E+01
3.25E+01	1.14E+00	1.50E-04	2.46E-01	4.91E+00	2.00E+00	4.07E+00	4.19E+00	4.07E+01
3.10E+01	9.57E-01	1.49E-04	1.92E-01	3.38E+00	1.26E+00	3.23E+00	3.52E+00	3.65E+01
2.88E+01	8.14E-01	1.34E-04	1.84E-01	4.38E+00	9.65E-01	2.79E+00	3.00E+00	3.49E+01
2.94E+01	7.88E-01	1.20E-04	1.92E-01	4.65E+00	8.60E-01	2.78E+00	2.90E+00	3.57E+01
3.09E+01	6.40E-01	9.95E-05	1.52E-01	5.04E+00	5.14E-01	2.27E+00	2.35E+00	3.72E+01
3.07E+01	5.77E-01	8.88E-05	1.34E-01	4.13E+00	4.60E-01	2.11E+00	2.13E+00	3.60E+01
3.09E+01	5.14E-01	6.96E-05	1.28E-01	4.69E+00	3.84E-01	1.94E+00	1.89E+00	3.66E+01
2.99E+01	6.19E-01	7.87E-05	1.25E-01	3.87E+00	5.34E-01	2.38E+00	2.28E+00	3.51E+01
1.81E+01	2.92E-01	5.60E-05	8.17E-02	3.15E+00	2.12E-01	1.13E+00	1.07E+00	2.19E+01
1.85E+01	2.96E-01	5.71E-05	8.80E-02	3.86E+00	2.09E-01	1.15E+00	1.09E+00	2.30E+01
1.89E+01	3.05E-01	4.92E-05	9.36E-02	4.49E+00	2.06E-01	1.18E+00	1.12E+00	2.40E+01
1.92E+01	3.13E-01	4.08E-05	9.64E-02	4.94E+00	2.06E-01	1.21E+00	1.15E+00	2.48E+01
1.95E+01	3.14E-01	4.59E-05	9.98E-02	5.11E+00	2.02E-01	1.22E+00	1.16E+00	2.53E+01
1.99E+01	3.07E-01	5.20E-05	1.04E-01	4.93E+00	1.96E-01	1.19E+00	1.13E+00	2.55E+01
2.00E+01	2.96E-01	4.26E-05	1.02E-01	4.48E+00	2.04E-01	1.15E+00	1.09E+00	2.52E+01
2.04E+01	3.09E-01	4.65E-05	1.02E-01	3.71E+00	2.28E-01	1.20E+00	1.14E+00	2.48E+01
2.04E+01	3.19E-01	5.04E-05	9.76E-02	2.88E+00	2.50E-01	1.24E+00	1.17E+00	2.40E+01
2.07E+01	3.40E-01	4.95E-05	9.37E-02	2.86E+00	2.66E-01	1.32E+00	1.25E+00	2.44E+01
2.10E+01	3.37E-01	6.69E-05	9.12E-02	3.57E+00	2.73E-01	1.30E+00	1.24E+00	2.53E+01

4776	476863.09	3861377.25	2.06015	0.73374	2.37818	1.7235	10.41722	1.96664	0.74238	0.73374	2.11E+01	3.30E-01	6.03E-05	8.92E-02	4.80E+00	2.72E-01	1.28E+00	1.22E+00	2.67E+01
4777	477363.09	3861377.25	2.06258	0.72855	1.58723	1.96271	11.77018	1.87854	0.73996	0.72855	2.11E+01	3.28E-01	4.03E-05	1.02E-01	5.42E+00	2.60E-01	1.28E+00	1.21E+00	2.73E+01
4778	477863.09	3861377.25	1.99324	0.70814	1.41485	1.89236	8.89881	0.95087	0.72125	0.70814	2.04E+01	3.19E-01	3.59E-05	9.80E-02	4.10E+00	1.31E-01	1.25E+00	1.17E+00	2.52E+01
4779	478363.09	3861377.25	1.95585	0.37254	1.10408	1.35282	5.25258	0.81279	0.37448	0.37254	2.01E+01	1.68E-01	2.80E-05	7.00E-02	2.42E+00	1.12E-01	6.47E-01	6.17E-01	2.29E+01
4780	478863.09	3861377.25	2.02484	0.37678	0.94737	1.83555	4.56093	0.8134	0.38024	0.37678	2.08E+01	1.70E-01	2.40E-05	9.50E-02	2.10E+00	1.12E-01	6.56E-01	6.24E-01	2.33E+01
4781	479363.09	3861377.25	2.49674	0.73921	2.3184	3.19229	7.45869	1.25661	0.74993	0.73921	2.56E+01	3.33E-01	5.88E-05	1.65E-01	3.44E+00	1.74E-01	1.29E+00	1.22E+00	2.98E+01
4782	479863.09	3861377.25	2.33824	0.81084	2.97524	3.10377	6.96386	1.74134	0.81885	0.81084	2.40E+01	3.65E-01	7.55E-05	1.61E-01	3.21E+00	2.41E-01	1.41E+00	1.34E+00	2.80E+01
4783	480363.09	3861377.25	2.1574	0.91103	3.19735	2.66276	6.80586	2.16503	0.91932	0.91103	2.21E+01	4.10E-01	8.11E-05	1.38E-01	3.14E+00	2.99E-01	1.59E+00	1.51E+00	2.62E+01
4784	480863.09	3861377.25	2.23684	0.96405	2.87705	2.16393	7.90294	2.14849	0.96587	0.96405	2.29E+01	4.34E-01	7.30E-05	1.12E-01	3.64E+00	2.97E-01	1.67E+00	1.60E+00	2.75E+01
4785	481363.09	3861377.25	2.28077	1.18843	3.11344	2.20683	9.78678	2.30586	1.08749	1.18843	2.34E+01	5.35E-01	7.90E-05	1.14E-01	4.51E+00	3.19E-01	1.88E+00	1.97E+00	2.88E+01
4786	481863.09	3861377.25	2.26391	1.64917	2.63897	2.80327	10.21493	2.46528	1.21762	1.64917	2.32E+01	7.42E-01	6.69E-05	1.45E-01	4.71E+00	3.41E-01	2.10E+00	2.73E+00	2.85E+01
4787	482363.09	3861377.25	2.7241	1.31747	4.38127	3.27561	9.01724	2.66553	0.97161	1.31747	2.79E+01	5.93E-01	1.11E-04	1.70E-01	4.16E+00	3.69E-01	1.68E+00	2.18E+00	3.27E+01
4788	482863.09	3861377.25	3.1719	1.00355	3.63727	3.36328	11.85811	2.86696	1.01256	1.00355	3.25E+01	4.52E-01	9.23E-05	1.74E-01	5.46E+00	3.96E-01	1.75E+00	1.66E+00	3.91E+01
4789	483363.09	3861377.25	3.3809	1.04229	4.77109	3.12775	15.86448	3.08012	1.05202	1.04229	3.47E+01	4.69E-01	1.21E-04	1.62E-01	7.31E+00	4.26E-01	1.82E+00	1.73E+00	4.31E+01
4790	483863.09	3861377.25	3.08546	1.10862	6.3183	2.6501	14.72453	3.17329	1.11744	1.10862	3.16E+01	4.99E-01	1.60E-04	1.37E-01	6.79E+00	4.39E-01	1.93E+00	1.84E+00	3.96E+01
4791	484363.09	3861377.25	2.7931	1.12582	4.71665	2.33866	8.83065	3.12666	1.13524	1.12582	2.86E+01	5.07E-01	1.20E-04	1.21E-01	4.07E+00	4.32E-01	1.96E+00	1.87E+00	3.39E+01
4792	484863.09	3861377.25	2.84159	1.27625	5.5936	2.70137	11.02658	2.70676	1.28349	1.27625	2.91E+01	5.74E-01	1.42E-04	1.40E-01	5.08E+00	3.74E-01	2.22E+00	2.11E+00	3.54E+01
4793	485363.09	3861377.25	2.78399	1.3669	4.85841	3.32964	10.57598	2.80865	1.37362	1.3669	2.85E+01	6.15E-01	1.23E-04	1.72E-01	4.87E+00	3.88E-01	2.37E+00	2.26E+00	3.47E+01
4794	485863.09	3861377.25	2.86285	1.41838	5.36749	3.7391	11.71327	2.96054	1.42551	1.41838	2.94E+01	6.38E-01	1.36E-04	1.94E-01	5.40E+00	4.09E-01	2.46E+00	2.35E+00	3.61E+01
4795	486363.09	3861377.25	3.27956	1.48777	4.9675	3.42216	11.4741	3.4778	1.49453	1.48777	3.36E+01	6.70E-01	1.26E-04	1.77E-01	5.29E+00	4.81E-01	2.58E+00	2.47E+00	4.04E+01
4796	486863.09	3861377.25	4.59843	1.56229	6.35119	3.95659	14.05333	3.00746	1.56889	1.56229	4.72E+01	7.03E-01	1.61E-04	2.05E-01	6.48E+00	4.16E-01	2.71E+00	2.59E+00	5.51E+01
4797	487363.09	3861377.25	5.93094	1.71267	6.26631	4.80366	24.22138	4.49633	1.7293	1.71267	6.08E+01	7.71E-01	1.59E-04	2.49E-01	1.12E+01	6.22E-01	2.99E+00	2.84E+00	7.38E+01
4798	487863.09	3861377.25	7.58449	1.87352	6.79439	4.86405	8.73371	5.08821	1.89267	1.87352	7.78E+01	8.43E-01	1.72E-04	2.52E-01	4.02E+00	7.03E-01	3.27E+00	3.10E+00	8.38E+01
4799	488363.09	3861377.25	13.50629	2.12348	6.38308	4.74681	7.80713	6.95192	2.13582	2.12348	1.38E+02	9.56E-01	1.62E-04	2.46E-01	3.60E+00	9.61E-01	3.69E+00	3.52E+00	1.44E+02
4800	488863.09	3861377.25	15.77988	2.58024	8.60257	7.80724	18.16078	7.62936	2.60011	2.58024	1.62E+02	1.16E+00	2.18E-04	4.04E-01	8.37E+00	1.05E+00	4.49E+00	4.28E+00	1.73E+02
4801	489363.09	3861377.25	13.90043	3.12227	5.78055	11.12576	7.64295	5.49468	3.15209	3.12227	1.43E+02	1.41E+00	1.47E-04	5.76E-01	3.52E+00	7.60E-01	5.44E+00	5.17E+00	1.49E+02
4802	489863.09	3861377.25	9.0254	3.71578	6.04129	5.22326	20.55322	4.45273	3.75507	3.71578	9.25E+01	1.67E+00	1.53E-04	2.70E-01	9.47E+00	6.16E-01	6.48E+00	6.16E+00	1.05E+02
4803	490363.09	3861377.25	5.3778	4.39187	6.17709	4.52873	31.95832	3.39402	4.44477	4.39187	5.51E+01	1.98E+00	1.57E-04	2.34E-01	1.47E+01	4.69E-01	7.67E+00	7.28E+00	7.29E+01
4804	490863.09	3861377.25	4.6355	5.15884	7.85944	4.45773	18.21129	2.77866	5.22602	5.15884	4.75E+01	2.32E+00	1.99E-04	2.31E-01	8.39E+00	3.84E-01	9.02E+00	8.55E+00	5.93E+01
4805	491363.09	3861377.25	4.82722	6.19874	5.10935	4.95988	16.26467	3.61317	6.29006	6.19874	4.95E+01	2.79E+00	1.30E-04	2.57E-01	7.50E+00	5.00E-01	1.09E+01	1.03E+01	6.11E+01
4806	491863.09	3861377.25	5.25158	7.62074	6.29635	5.40697	7.72981	3.6024	7.72922	7.62074	5.38E+01	3.43E+00	1.60E-04	2.80E-01	3.56E+00	4.98E-01	1.33E+01	1.26E+01	6.23E+01
4807	492363.09	3861377.25	5.71404	9.63917	8.33636	5.72917	8.838	3.78965	9.78409	9.63917	5.86E+01	4.34E+00	2.11E-04	2.97E-01	4.07E+00	5.24E-01	1.69E+01	1.60E+01	6.87E+01
4808	492863.09	3861377.25	6.33002	15.1828	11.76829	5.59604	6.97037	4.06996	15.6264	15.1828	6.49E+01	6.83E+00	2.99E-04	2.90E-01	3.21E+00	5.63E-01	2.70E+01	2.52E+01	7.76E+01
4809	493363.09	3861377.25	6.65392	15.49951	11.72828	6.6425	8.25162	5.13873	14.8242	15.49951	6.82E+01	6.98E+00	2.98E-04	3.44E-01	3.80E+00	7.10E-01	2.56E+01	2.57E+01	8.00E+01
4810	493863.09	3861377.25	5.50078	7.11716	8.19709	6.72991	10.12026	5.52617	6.96875	7.11716	5.64E+01	3.20E+00	2.08E-04	3.48E-01	4.66E+00	7.64E-01	1.20E+01	1.18E+01	6.56E+01
4811	494363.09	3861377.25	4.20529	4.79108	6.37093	4.45495	11.36066	5.61053	4.78795	4.79108	4.31E+01	2.16E+00	1.62E-04	2.31E-01	5.24E+00	7.76E-01	8.27E+00	7.94E+00	5.18E+01
4812	494863.09	3861377.25	3.22001	3.72794	5.87781	4.6231	12.81424	6.63468	3.74318	3.72794	3.30E+01	1.68E+00	1.49E-04	2.39E-01	5.91E+00	9.17E-01	6.46E+00	6.18E+00	4.20E+01
4813	495363.09	3861377.25	3.03144	3.15607	4.63069	3.31655	10.9453	8.82965	3.17478	3.15607	3.11E+01	1.42E+00	1.17E-04	1.72E-01	5.04E+00	1.22E+00	5.48E+00	5.23E+00	3.92E+01
4814	495863.09	3861377.25	2.84234	2.83709	4.15105	3.05492	8.22552	8.14446	2.84311	2.83709	2.91E+01	1.28E+00	1.05E-04	1.58E-01	3.79E+00	1.13E+00	4.91E+00	4.70E+00	3.57E+01
4815	496363.09	3861377.25	2.72687	2.50685	4.1408	3.22449	5.45339	7.70139	2.53176	2.50685	2.80E+01	1.13E+00	1.05E-04	1.67E-01	2.51E+00	1.06E+00	4.37E+00	4.15E+00	3.31E+01
4816	496863.09	3861377.25	2.69806	2.1134	4.88022	3.06177	7.76595	6.16526	2.11946	2.1134	2.77E+01	9.51E-01	1.24E-04	1.58E-01	3.58E+00	8.52E-01	3.66E+00	3.50E+00	3.34E+01
4817	497363.09	3861377.25	2.5997	2.08483	4.78868	2.59462	8.58251	5.43883	2.09258	2.08483	2.67E+01	9.38E-01	1.21E-04	1.34E-01	3.96E+00	7.52E-01	3.61E+00	3.45E+00	3.26E+01
4818	497863.09	3861377.25	2.57843	2.05911	4.43783	2.47461	8.19977	4.54714	2.06841	2.05911	2.64E+01	9.27E-01	1.13E-04	1.28E-01	3.78E+00	6.29E-01	3.57E+00	3.41E+00	3.21E+01
4819	498363.09	3861377.25	2.56462	2.03199	3.91393	2.76162	7.60214	3.85937	2.04307	2.03199	2.63E+01	9.14E-01	9.93E-05	1.43E-01	3.50E+00	5.34E-01	3.53E+00	3.37E+00	3.16E+01
4820	471363.09	3861877.25	1.69301	0.63245	1.63542	1.64423	10.38811	1.3171	0.63864	0.63245	1.74E+01	2.85E-01	4.15E-05	8.51E-02	4.79E+00	1.82E-01	1.10E+00	1.05E+00	2.28E+01
4821	471863.09	3861877.25	1.70495	0.64216	1.42919	1.63717	10.44192	1.3265	0.64844	0.64216	1.75E+01	2.89E-01	3.63E-05	8.48E-02	4.81E+00	1.83E-01	1.12E+00	1.06E+00	2.29E+01
4822	472363.09	3861877.25	1.7122	0.66309	1.53119	1.61426	9.91326	1.36915	0.66971	0.66309	1.76E+01	2.98E-01	3.88E-05	8.36E-02	4.57E+00	1.89E-01	1.16E+00	1.10E+00	2.28E+01
4823	472863.09	3861877.25	1.71258	0.68077	1.81675	1.57789	8.8934	1.53385	0.68757	0.68077	1.76E+01	3.06E-01	4.61E-05	8.17E-02	4.10E+00	2.12E-01	1.19E+00	1.13E+00	2.23E+01
4824	473363.09	3861877.25	1.71144	0.67722	1.86631	1.54988	7.3863	1.68853	0.68381	0.67722	1.75E+01	3.05E-01	4.73E-05	8.02E-02	3.40E+00	2.33E-01	1.18E+00	1.12E+00	2.16E+01
4825	473863.09	3861877.25	1.71409	0.65688	2.038	1.53322	5.68508	1.81312	0.6634	0.65688	1.76E+01	2.96E-01	5.17E-05	7.94E-02	2.62E+00	2.51E-01	1.15E+00	1.09E+00	2.09E+01
4826	474363.09	3861877.25	1.70778	0.64134	2.24978	1.51719	4.63016	1.89987	0.64776	0.64134	1.75E+01	2.89E-01	5.71E-05	7.85E-02	2.13E+00	2.63E-01	1.12E+00	1.06E+00	2.03E+01
4827	474863.09	3861877.25	1.70405	0.65758	2.43746	1.60337	5.73225	1.92628	0.66431	0.65758	1.75E+01	2.96E-01	6.18E-05	8.30E-02	2.64E+00	2.66E-01	1.15E+00	1.09E+00	2.08E+01
4828	475363.09	3861877.25	1.70896	0.68316	2.62022	1.83324	7.20226	1.89746	0.6903	0.68316	1.75E+01	3.07E-01	6.65E-05	9.49E-02	3.32E+00	2.62E-01	1.19E+00	1.13E+00	2.16E+01
4829	475863.09	3861877.25	1.74267	0.6965	2.89463	2.10329	8.36684	1.82053	0.70376	0.6965	1.79E+01	3.13E-01	7.34E-05	1.09E-01	3.86E+00	2.52E-01	1.22E+00	1.15E+00	2.25E+01
4830	476363.09	3861877.25	1.79284	0.71616	2.90795	2.42397	8.91798	1.70584	0.72395	0.71616	1.84E+01	3.22E-01	7.38E-05	1.25E-01	4.11E+00	2.36E-01	1.25E+00	1.19E+00	2.32E+01
4831	476863.09	3861877.25	1.86065	0.74971	2.5719	2.73622	9.72678	1.58725	0.75741	0.74971	1.91E+01	3.37E-01	6.52E-05	1.42E-01	4.48E+00	2.19E-01	1.31E+00	1.24E+00	2.43E+01
4832	477363.09	3861877.25	1.92962	0.7476	2.04671	2.94938	9.77469	1.49656	0.75466	0.7476	1.98E+01	3.36E-01	5.19E-05	1.53E-01	4.50E+00	2.07E-01	1.30E+00	1.24E+00	2.51E+01
4833	477863.09	3861877.25	2.11089	0.70664	1.87959	2.54284	7.38249	0.98602	0.72066	0.70664	2.16E+01	3.18E-01	4.77E-05	1.32E-01	3.40E+00	1.36E-01	1.24E+00	1.17E+00	2.57E+01
4834	478363.09	3861877.25	1.72536	0.36663	0.83212	1.34961	4.12997	0.72554	0.36855	0.36663	1.77E+01	1.65E-01	2.11E-05	6.99E-02	1.90E+00	1.00E-01	6.36E-01	6.07E-01	2.00E+01

4835	478863.09	3861877.25	2.17895	0.39707	1.37013	1.37224	4.89745	0.97243	0.39974	0.39707	2.23E+01	1.79E-01	3.48E-05	7.10E-02	2.26E+00	1.34E-01	6.90E-01	6.58E-01	2.50E+01
4836	479363.09	3861877.25	1.88807	0.38073	1.13617	1.09011	4.74365	0.94509	0.38451	0.38073	1.94E+01	1.71E-01	2.88E-05	5.64E-02	2.19E+00	1.31E-01	6.64E-01	6.31E-01	2.19E+01
4837	479863.09	3861877.25	2.22232	0.8121	2.37868	1.93585	7.92515	1.64534	0.82014	0.8121	2.28E+01	3.65E-01	6.03E-05	1.00E-01	3.65E+00	2.27E-01	1.42E+00	1.35E+00	2.72E+01
4838	480363.09	3861877.25	2.09474	0.90971	2.36656	2.28274	7.79325	2.18348	0.91675	0.90971	2.15E+01	4.09E-01	6.00E-05	1.18E-01	3.59E+00	3.02E-01	1.58E+00	1.51E+00	2.60E+01
4839	480863.09	3861877.25	2.00239	0.96863	3.16362	2.66442	9.16433	2.2553	0.96462	0.96863	2.05E+01	4.36E-01	8.03E-05	1.38E-01	4.22E+00	3.12E-01	1.67E+00	1.60E+00	2.57E+01
4840	481363.09	3861877.25	1.8833	1.21497	3.19112	2.87924	8.3951	2.21733	1.07678	1.21497	1.93E+01	5.47E-01	8.10E-05	1.49E-01	3.87E+00	3.07E-01	1.86E+00	2.01E+00	2.40E+01
4841	481863.09	3861877.25	1.77953	1.58292	3.68443	2.80483	8.3032	2.10368	1.15452	1.58292	1.82E+01	7.12E-01	9.35E-05	1.45E-01	3.83E+00	2.91E-01	1.99E+00	2.62E+00	2.26E+01
4842	482363.09	3861877.25	2.75581	1.23651	4.01575	2.59185	11.01202	1.95092	0.91158	1.23651	2.83E+01	5.56E-01	1.02E-04	1.34E-01	5.07E+00	2.70E-01	1.57E+00	2.05E+00	3.38E+01
4843	482863.09	3861877.25	3.20207	0.99108	4.03234	2.19043	14.19702	2.03568	0.80572	0.99108	3.28E+01	4.46E-01	1.02E-04	1.13E-01	6.54E+00	2.81E-01	1.39E+00	1.64E+00	4.00E+01
4844	483363.09	3861877.25	3.34534	0.95871	5.62674	2.01966	13.11335	2.33545	0.86648	0.95871	3.43E+01	4.31E-01	1.43E-04	1.05E-01	6.04E+00	3.23E-01	1.50E+00	1.59E+00	4.11E+01
4845	483863.09	3861877.25	3.0234	0.93968	5.20563	2.21158	7.83117	2.61382	0.93313	0.93968	3.10E+01	4.23E-01	1.32E-04	1.14E-01	3.61E+00	3.61E-01	1.61E+00	1.56E+00	3.56E+01
4846	484363.09	3861877.25	2.6152	1.01477	4.12509	2.46776	10.14485	2.21113	1.02018	1.01477	2.68E+01	4.57E-01	1.05E-04	1.28E-01	4.68E+00	3.06E-01	1.76E+00	1.68E+00	3.25E+01
4847	484863.09	3861877.25	2.59808	1.07195	5.09045	3.21551	10.94256	2.51083	1.07787	1.07195	2.66E+01	4.82E-01	1.29E-04	1.66E-01	5.04E+00	3.47E-01	1.86E+00	1.78E+00	3.28E+01
4848	485363.09	3861877.25	2.59249	1.16903	4.21255	3.16636	9.34553	2.05812	1.17589	1.16903	2.66E+01	5.26E-01	1.07E-04	1.64E-01	4.31E+00	2.85E-01	2.03E+00	1.94E+00	3.20E+01
4849	485863.09	3861877.25	2.77993	1.25374	4.08504	3.06165	9.75603	2.97102	1.26162	1.25374	2.85E+01	5.64E-01	1.04E-04	1.58E-01	4.50E+00	4.11E-01	2.18E+00	2.08E+00	3.42E+01
4850	486363.09	3861877.25	3.02709	1.32965	4.51092	3.4361	10.75497	3.28879	1.33849	1.32965	3.10E+01	5.98E-01	1.14E-04	1.78E-01	4.96E+00	4.55E-01	2.31E+00	2.20E+00	3.73E+01
4851	486863.09	3861877.25	3.22099	1.40992	5.79148	4.09207	15.9207	3.03346	1.41983	1.40992	3.30E+01	6.35E-01	1.47E-04	2.12E-01	7.34E+00	4.19E-01	2.45E+00	2.34E+00	4.17E+01
4852	487363.09	3861877.25	4.89662	1.49446	5.93149	4.09831	22.70318	4.66392	1.50563	1.49446	5.02E+01	6.73E-01	1.50E-04	2.12E-01	1.05E+01	6.45E-01	2.60E+00	2.48E+00	6.23E+01
4853	487863.09	3861877.25	6.09615	1.58653	4.62959	3.67373	7.85883	3.1397	1.59925	1.58653	6.25E+01	7.14E-01	1.17E-04	1.90E-01	3.62E+00	4.34E-01	2.76E+00	2.63E+00	6.76E+01
4854	488363.09	3861877.25	8.58422	1.68524	6.00427	4.84775	6.10944	4.30965	1.6996	1.68524	8.80E+01	7.58E-01	1.52E-04	2.51E-01	2.82E+00	5.96E-01	2.93E+00	2.79E+00	9.26E+01
4855	488863.09	3861877.25	13.11966	1.78887	6.1669	7.49289	14.78131	5.41308	1.80507	1.78887	1.35E+02	8.05E-01	1.56E-04	3.88E-01	6.81E+00	7.48E-01	3.12E+00	2.96E+00	1.43E+02
4856	489363.09	3861877.25	13.21173	2.20954	6.37616	10.98804	10.80849	5.99211	1.92399	2.20954	1.35E+02	9.94E-01	1.62E-04	5.69E-01	4.98E+00	8.28E-01	3.32E+00	3.66E+00	1.43E+02
4857	489863.09	3861877.25	10.83219	2.17368	4.70344	4.81063	8.99818	4.54617	2.04819	2.17368	1.11E+02	9.78E-01	1.19E-04	2.49E-01	4.15E+00	6.29E-01	3.54E+00	3.60E+00	1.17E+02
4858	490363.09	3861877.25	7.05892	2.17037	6.32575	4.04527	24.0969	3.58853	2.19386	2.17037	7.24E+01	9.77E-01	1.60E-04	2.09E-01	1.11E+01	4.96E-01	3.79E+00	3.60E+00	8.54E+01
4859	490863.09	3861877.25	4.32525	2.42187	4.20891	3.38062	25.03496	2.90065	2.44582	2.42187	4.44E+01	1.09E+00	1.07E-04	1.75E-01	1.15E+01	4.01E-01	4.22E+00	4.01E+00	5.78E+01
4860	491363.09	3861877.25	3.6925	2.68345	4.58734	4.13938	16.21823	2.43374	2.69757	2.68345	3.79E+01	1.21E+00	1.16E-04	2.14E-01	7.47E+00	3.36E-01	4.66E+00	4.45E+00	4.73E+01
4861	491863.09	3861877.25	4.00467	3.04293	4.25272	4.05632	12.89842	2.78006	3.07095	3.04293	4.11E+01	1.37E+00	1.08E-04	2.10E-01	5.94E+00	3.84E-01	5.30E+00	5.04E+00	4.92E+01
4862	492363.09	3861877.25	4.38174	3.46583	5.05183	4.49613	6.54501	2.93637	3.50377	3.46583	4.49E+01	1.56E+00	1.28E-04	2.33E-01	3.02E+00	4.06E-01	6.05E+00	5.74E+00	5.05E+01
4863	492863.09	3861877.25	4.83677	4.08227	5.2489	5.04477	7.43476	3.10966	4.11853	4.08227	4.96E+01	1.84E+00	1.33E-04	2.61E-01	3.43E+00	4.30E-01	7.11E+00	6.76E+00	5.59E+01
4864	493363.09	3861877.25	5.32928	5.28785	7.79978	3.94693	6.65894	3.29666	5.34504	5.28785	5.46E+01	2.38E+00	1.98E-04	2.04E-01	3.07E+00	4.56E-01	9.23E+00	8.76E+00	6.12E+01
4865	493863.09	3861877.25	5.80437	10.06257	10.4138	5.46132	5.62058	3.78561	9.18344	10.06257	5.95E+01	4.53E+00	2.64E-04	2.83E-01	2.59E+00	5.23E-01	1.59E+01	1.67E+01	6.66E+01
4866	494363.09	3861877.25	5.59972	12.0175	9.44376	5.36701	8.43647	4.33314	11.6662	12.0175	5.74E+01	5.41E+00	2.40E-04	2.78E-01	3.89E+00	5.99E-01	2.01E+01	1.99E+01	6.78E+01
4867	494863.09	3861877.25	4.68644	22.04924	6.81596	5.02632	8.10374	4.48122	22.6348	22.04924	4.81E+01	9.92E+00	1.73E-04	2.60E-01	3.73E+00	6.20E-01	3.91E+01	3.65E+01	6.51E+01
4868	495363.09	3861877.25	3.67004	15.11709	4.91172	3.65122	10.45415	4.4062	15.1233	15.11709	3.76E+01	6.80E+00	1.25E-04	1.89E-01	4.82E+00	6.09E-01	2.61E+01	2.50E+01	5.11E+01
4869	495863.09	3861877.25	2.886	8.68274	5.0502	3.60406	10.74296	4.75563	8.70945	8.68274	2.96E+01	3.91E+00	1.28E-04	1.87E-01	4.95E+00	6.57E-01	1.50E+01	1.44E+01	3.99E+01
4870	496363.09	3861877.25	2.80505	6.1332	4.40858	3.04449	8.98184	5.59144	6.14967	6.1332	2.88E+01	2.76E+00	1.12E-04	1.58E-01	4.14E+00	7.73E-01	1.06E+01	1.02E+01	3.70E+01
4871	496863.09	3861877.25	3.0002	2.28909	4.37437	2.87828	7.70199	7.05265	2.31225	2.28909	3.08E+01	1.03E+00	1.11E-04	1.49E-01	3.55E+00	9.75E-01	3.99E+00	3.79E+00	3.67E+01
4872	497363.09	3861877.25	2.60674	4.12186	3.63932	2.45302	4.55154	5.39639	4.1403	4.12186	2.67E+01	1.86E+00	9.23E-05	1.27E-01	2.10E+00	7.46E-01	7.15E+00	6.83E+00	3.19E+01
4873	497863.09	3861877.25	2.44219	3.36842	3.22461	2.32546	5.9947	4.73061	3.36965	3.36842	2.50E+01	1.52E+00	8.18E-05	1.20E-01	2.76E+00	6.54E-01	5.82E+00	5.58E+00	3.03E+01
4874	498363.09	3861877.25	2.27893	2.82	3.43627	2.33677	6.85436	4.50669	2.82564	2.82	2.34E+01	1.27E+00	8.72E-05	1.21E-01	3.16E+00	6.23E-01	4.88E+00	4.67E+00	2.87E+01
4875	471363.09	3862377.25	1.50583	0.61896	1.93711	1.34096	7.94424	1.56734	0.62472	0.61896	1.54E+01	2.79E-01	4.91E-05	6.94E-02	3.66E+00	2.17E-01	1.08E+00	1.03E+00	1.97E+01
4876	471863.09	3862377.25	1.5037	0.63149	2.05822	1.33934	6.56156	1.69696	0.63742	0.63149	1.54E+01	2.84E-01	5.22E-05	6.93E-02	3.02E+00	2.35E-01	1.10E+00	1.05E+00	1.91E+01
4877	472363.09	3862377.25	1.53734	0.64903	2.19074	1.33758	4.96535	1.80126	0.65515	0.64903	1.58E+01	2.92E-01	5.56E-05	6.92E-02	2.29E+00	2.49E-01	1.13E+00	1.08E+00	1.87E+01
4878	472863.09	3862377.25	1.58282	0.66547	2.28794	1.48174	3.9968	1.85342	0.67159	0.66547	1.62E+01	2.99E-01	5.80E-05	7.67E-02	1.84E+00	2.56E-01	1.16E+00	1.10E+00	1.88E+01
4879	473363.09	3862377.25	1.6316	0.65945	2.34874	1.68859	4.60198	1.86011	0.66538	0.65945	1.67E+01	2.97E-01	5.96E-05	8.74E-02	2.12E+00	2.57E-01	1.15E+00	1.09E+00	1.95E+01
4880	473863.09	3862377.25	1.67406	0.63457	2.36516	1.92975	5.85875	1.81842	0.64019	0.63457	1.72E+01	2.86E-01	6.00E-05	9.99E-02	2.70E+00	2.51E-01	1.11E+00	1.05E+00	2.06E+01
4881	474363.09	3862377.25	1.71617	0.62579	2.31761	2.20256	6.98141	1.73778	0.63163	0.62579	1.76E+01	2.82E-01	5.88E-05	1.14E-01	3.22E+00	2.40E-01	1.09E+00	1.04E+00	2.15E+01
4882	474863.09	3862377.25	1.75751	0.65046	2.17321	2.48732	7.73176	1.64173	0.65705	0.65046	1.80E+01	2.93E-01	5.51E-05	1.29E-01	3.56E+00	2.27E-01	1.13E+00	1.08E+00	2.23E+01
4883	475363.09	3862377.25	1.71663	0.66212	2.68976	2.70582	7.869	1.55622	0.66845	0.66212	1.76E+01	2.98E-01	6.82E-05	1.40E-01	3.63E+00	2.15E-01	1.15E+00	1.10E+00	2.19E+01
4884	475863.09	3862377.25	1.66499	0.67172	2.67867	2.80723	7.32558	1.55825	0.67791	0.67172	1.71E+01	3.02E-01	6.80E-05	1.45E-01	3.38E+00	2.15E-01	1.17E+00	1.11E+00	2.12E+01
4885	476363.09	3862377.25	1.615	0.68347	2.66123	2.73249	7.28234	1.61314	0.69008	0.68347	1.66E+01	3.08E-01	6.75E-05	1.41E-01	3.36E+00	2.23E-01	1.19E+00	1.13E+00	2.06E+01
4886	476863.09	3862377.25	1.79406	0.70478	2.73538	2.45538	6.84961	1.70453	0.7122	0.70478	1.84E+01	3.17E-01	6.94E-05	1.27E-01	3.16E+00	2.36E-01	1.23E+00	1.17E+00	2.23E+01
4887	477363.09	3862377.25	1.98969	0.75024	2.06693	2.01216	5.74849	1.63465	0.75801	0.75024	2.04E+01	3.38E-01	5.24E-05	1.04E-01	2.65E+00	2.26E-01	1.31E+00	1.24E+00	2.38E+01
4888	477863.09	3862377.25	2.15231	0.71439	1.57307	1.51934	5.77074	1.09511	0.72661	0.71439	2.21E+01	3.22E-01	3.99E-05	7.87E-02	2.66E+00	1.51E-01	1.25E+00	1.18E+00	2.54E+01
4889	478363.09	3862377.25	2.15672	0.66211	1.20726	1.17919	4.63613	1.09467	0.67044	0.66211	2.21E+01	2.98E-01	3.06E-05	6.10E-02	2.14E+00	1.51E-01	1.16E+00	1.10E+00	2.48E+01
4890	478863.09	3862377.25	2.05493	0.60388	1.73782	1.44835	6.03627	1.10924	0.61446	0.60388	2.11E+01	2.72E-01	4.41E-05	7.50E-02	2.78E+00	1.53E-01	1.06E+00	1.00E+00	2.44E+01
4891	479363.09	3862377.25	2.08152	0.7239	1.42523	1.91268	7.03822	1.10641	0.73706	0.7239	2.13E+01	3.26E-01	3.62E-05	9.90E-02	3.24E+00	1.53E-01	1.27E+00	1.20E+00	2.52E+01
4892	479863.09	3862377.25	1.9345	0.82222	2.50543	2.93999	8.71894	1.42963	0.83066	0.82222	1.98E+01	3.70E-01	6.36E-05	1.52E-01	4.02E+00	1.98E-01	1.43E+00	1.36E+00	2.46E+01
4893	480363.09	3862377.25	1.71894	0.89526	2.66092	2.61548	8.50522	1.5443	0.90045	0.89526	1.76E+01	4.03E-01	6.75E-05	1.35E-01	3.92E+00	2.14E-01	1.55E+00	1.48E+00	2.24E+01

4894	480863.09	3862377.25	1.60856	0.94926	3.24724	2.30648	7.22154	1.67505	0.93563	0.94926	1.65E+01	4.27E-01	8.24E-05	1.19E-01	3.33E+00	2.32E-01	1.62E+00	1.57E+00	2.06E+01
4895	481363.09	3862377.25	1.5675	1.23578	2.73101	2.18654	8.46264	1.80486	1.06166	1.23578	1.61E+01	5.56E-01	6.93E-05	1.13E-01	3.90E+00	2.50E-01	1.83E+00	2.05E+00	2.07E+01
4896	481863.09	3862377.25	1.86169	1.49511	3.41593	1.82777	10.19568	1.8951	1.08546	1.49511	1.91E+01	6.73E-01	8.67E-05	9.46E-02	4.70E+00	2.62E-01	1.87E+00	2.48E+00	2.42E+01
4897	482363.09	3862377.25	2.77678	1.15178	4.15951	1.77487	12.68659	1.87523	0.85849	1.15178	2.85E+01	5.18E-01	1.06E-04	9.19E-02	5.85E+00	2.59E-01	1.48E+00	1.91E+00	3.48E+01
4898	482863.09	3862377.25	3.19725	0.95645	5.02478	1.77679	11.68875	2.1052	0.76067	0.95645	3.28E+01	4.30E-01	1.27E-04	9.20E-02	5.39E+00	2.91E-01	1.31E+00	1.58E+00	3.87E+01
4899	483363.09	3862377.25	3.30306	0.93694	3.5905	2.07243	7.34218	2.32358	0.78621	0.93694	3.39E+01	4.22E-01	9.11E-05	1.07E-01	3.38E+00	3.21E-01	1.36E+00	1.55E+00	3.79E+01
4900	483863.09	3862377.25	2.92301	0.90038	4.20346	2.54727	8.81855	1.90929	0.82932	0.90038	3.00E+01	4.05E-01	1.07E-04	1.32E-01	4.06E+00	2.64E-01	1.43E+00	1.49E+00	3.48E+01
4901	484363.09	3862377.25	2.55879	0.92474	3.98436	2.88829	9.92067	1.7052	0.87356	0.92474	2.62E+01	4.16E-01	1.01E-04	1.50E-01	4.57E+00	2.36E-01	1.51E+00	1.53E+00	3.16E+01
4902	484863.09	3862377.25	2.38275	0.94686	3.48239	2.59568	8.53397	1.77949	0.9396	0.94686	2.44E+01	4.26E-01	8.83E-05	1.34E-01	3.93E+00	2.46E-01	1.62E+00	1.57E+00	2.92E+01
4903	485363.09	3862377.25	2.46765	0.983	4.11611	2.8542	9.75203	1.82072	0.98255	0.983	2.53E+01	4.42E-01	1.04E-04	1.48E-01	4.49E+00	2.52E-01	1.70E+00	1.63E+00	3.07E+01
4904	485863.09	3862377.25	2.50407	1.09122	4.15963	3.02824	8.42853	3.09532	1.07999	1.09122	2.57E+01	4.91E-01	1.06E-04	1.57E-01	3.88E+00	4.28E-01	1.86E+00	1.81E+00	3.07E+01
4905	486363.09	3862377.25	3.02306	1.16627	4.21902	3.53784	9.39328	3.12761	1.15647	1.16627	3.10E+01	5.25E-01	1.07E-04	1.83E-01	4.33E+00	4.32E-01	2.00E+00	1.93E+00	3.65E+01
4906	486863.09	3862377.25	2.8675	1.30153	5.17501	3.54294	17.47479	3.06156	1.29087	1.30153	2.94E+01	5.86E-01	1.31E-04	1.83E-01	8.05E+00	4.23E-01	2.23E+00	2.16E+00	3.87E+01
4907	487363.09	3862377.25	3.70955	1.45996	3.87113	3.01859	20.56668	4.35428	1.44971	1.45996	3.80E+01	6.57E-01	9.82E-05	1.56E-01	9.48E+00	6.02E-01	2.50E+00	2.42E+00	4.90E+01
4908	487863.09	3862377.25	5.08726	1.6083	5.3905	3.61279	7.12173	3.00568	1.60031	1.6083	5.22E+01	7.24E-01	1.37E-04	1.87E-01	3.28E+00	4.16E-01	2.76E+00	2.66E+00	5.69E+01
4909	488363.09	3862377.25	6.46212	1.7182	5.59905	5.00564	5.84043	4.01033	1.71461	1.7182	6.63E+01	7.73E-01	1.42E-04	2.59E-01	2.69E+00	5.54E-01	2.96E+00	2.85E+00	7.07E+01
4910	488863.09	3862377.25	9.66786	1.86149	5.57179	8.57863	11.35892	4.50031	1.86025	1.86149	9.91E+01	8.38E-01	1.41E-04	4.44E-01	5.23E+00	6.22E-01	3.21E+00	3.08E+00	1.06E+02
4911	489363.09	3862377.25	12.15652	1.98143	6.27514	11.19214	12.81287	4.95229	1.98862	1.98143	1.25E+02	8.92E-01	1.59E-04	5.79E-01	5.90E+00	6.85E-01	3.43E+00	3.28E+00	1.33E+02
4912	489863.09	3862377.25	11.28532	2.09966	3.93316	4.67761	4.46697	5.03397	2.11301	2.09966	1.16E+02	9.45E-01	9.98E-05	2.42E-01	2.06E+00	6.96E-01	3.65E+00	3.48E+00	1.20E+02
4913	490363.09	3862377.25	8.24108	2.21532	4.75339	3.83028	14.32115	3.96244	2.23564	2.21532	8.45E+01	9.97E-01	1.21E-04	1.98E-01	6.60E+00	5.48E-01	3.86E+00	3.67E+00	9.30E+01
4914	490863.09	3862377.25	6.0267	2.33797	2.82417	3.53319	24.58816	3.0739	2.35735	2.33797	6.18E+01	1.05E+00	7.16E-05	1.83E-01	1.13E+01	4.25E-01	4.07E+00	3.87E+00	7.50E+01
4915	491363.09	3862377.25	3.58907	2.45438	5.4332	2.81078	18.96181	2.59347	2.4778	2.45438	3.68E+01	1.10E+00	1.38E-04	1.46E-01	8.74E+00	3.59E-01	4.28E+00	4.07E+00	4.74E+01
4916	491863.09	3862377.25	3.44815	2.58598	3.97549	3.81967	14.77279	2.29354	2.60885	2.58598	3.54E+01	1.16E+00	1.01E-04	1.98E-01	6.81E+00	3.17E-01	4.50E+00	4.28E+00	4.41E+01
4917	492363.09	3862377.25	3.24591	2.76191	4.05366	3.42011	10.34974	2.31701	2.78742	2.76191	3.33E+01	1.24E+00	1.03E-04	1.77E-01	4.77E+00	3.20E-01	4.81E+00	4.58E+00	4.00E+01
4918	492863.09	3862377.25	3.69021	2.98417	4.48416	3.89745	5.73948	2.61767	3.01281	2.98417	3.78E+01	1.34E+00	1.14E-04	2.02E-01	2.64E+00	3.62E-01	5.20E+00	4.94E+00	4.26E+01
4919	493363.09	3862377.25	4.14482	3.24701	4.26014	4.52411	6.78477	2.51296	3.26512	3.24701	4.25E+01	1.46E+00	1.08E-04	2.34E-01	3.13E+00	3.47E-01	5.64E+00	5.38E+00	4.79E+01
4920	493863.09	3862377.25	4.60545	3.2597	6.06248	3.44092	6.38695	2.78931	3.6054	3.2597	4.72E+01	1.47E+00	1.54E-04	1.78E-01	2.94E+00	3.86E-01	6.22E+00	5.40E+00	5.30E+01
4921	494363.09	3862377.25	5.0624	5.79605	7.8712	4.00001	4.77739	3.05469	5.825	5.79605	5.19E+01	2.61E+00	2.00E-04	2.07E-01	2.20E+00	4.22E-01	1.01E+01	9.60E+00	5.78E+01
4922	494863.09	3862377.25	5.28513	7.67589	9.08726	4.58398	6.71934	3.49631	7.03695	7.67589	5.42E+01	3.45E+00	2.31E-04	2.37E-01	3.10E+00	4.83E-01	1.21E+01	1.27E+01	6.09E+01
4923	495363.09	3862377.25	4.86996	7.89059	7.83718	4.46381	7.63696	3.7425	7.57248	7.89059	4.99E+01	3.55E+00	1.99E-04	2.31E-01	3.52E+00	5.17E-01	1.31E+01	1.31E+01	5.78E+01
4924	495863.09	3862377.25	4.07046	7.80748	5.75419	3.98103	7.76815	3.74365	7.89853	7.80748	4.17E+01	3.51E+00	1.46E-04	2.06E-01	3.58E+00	5.18E-01	1.36E+01	1.29E+01	5.03E+01
4925	496363.09	3862377.25	3.21458	10.79152	4.05668	3.10025	9.37281	3.68557	10.5326	10.79152	3.30E+01	4.86E+00	1.03E-04	1.60E-01	4.32E+00	5.10E-01	1.82E+01	1.79E+01	4.31E+01
4926	496863.09	3862377.25	2.59788	44.6744	4.32966	2.83592	9.21501	3.72348	45.1874	44.6744	2.66E+01	2.01E+01	1.10E-04	1.47E-01	4.25E+00	5.15E-01	7.80E+01	7.40E+01	5.56E+01
4927	497363.09	3862377.25	2.57864	14.73909	4.02533	2.70894	7.58487	4.22148	14.8644	14.73909	2.64E+01	6.63E+00	1.02E-04	1.40E-01	3.50E+00	5.84E-01	2.57E+01	2.44E+01	3.85E+01
4928	497863.09	3862377.25	2.49008	32.91859	3.45665	2.23315	5.73623	4.08763	34.9458	32.91859	2.55E+01	1.48E+01	8.77E-05	1.16E-01	2.64E+00	5.65E-01	6.03E+01	5.45E+01	4.95E+01
4929	498363.09	3862377.25	2.34745	18.11041	2.87814	1.87284	3.66593	3.82697	18.1602	18.11041	2.41E+01	8.15E+00	7.30E-05	9.70E-02	1.69E+00	5.29E-01	3.14E+01	3.00E+01	3.59E+01
4930	471363.09	3862877.25	1.5977	0.60857	1.97959	1.56667	3.48801	1.79651	0.61383	0.60857	1.64E+01	2.74E-01	5.02E-05	8.11E-02	1.61E+00	2.48E-01	1.06E+00	1.01E+00	1.86E+01
4931	471863.09	3862877.25	1.63552	0.61954	1.93487	1.78109	3.91674	1.7875	0.62487	0.61954	1.68E+01	2.79E-01	4.91E-05	9.22E-02	1.80E+00	2.47E-01	1.08E+00	1.03E+00	1.92E+01
4932	472363.09	3862877.25	1.65888	0.63788	1.8576	2.01768	4.80672	1.74284	0.64322	0.63788	1.70E+01	2.87E-01	4.71E-05	1.04E-01	2.22E+00	2.41E-01	1.11E+00	1.06E+00	1.99E+01
4933	472863.09	3862877.25	1.6791	0.65311	1.73912	2.26223	5.82593	1.67045	0.6586	0.65311	1.72E+01	2.94E-01	4.41E-05	1.17E-01	2.68E+00	2.31E-01	1.14E+00	1.08E+00	2.06E+01
4934	473363.09	3862877.25	1.67224	0.64223	1.59669	2.47587	6.61788	1.59261	0.64728	0.64223	1.71E+01	2.89E-01	4.05E-05	1.28E-01	3.05E+00	2.20E-01	1.12E+00	1.06E+00	2.09E+01
4935	473863.09	3862877.25	1.64976	0.61838	1.67686	2.61424	7.0125	1.52166	0.62312	0.61838	1.69E+01	2.78E-01	4.25E-05	1.35E-01	3.23E+00	2.10E-01	1.08E+00	1.02E+00	2.08E+01
4936	474363.09	3862877.25	1.61741	0.61252	1.82605	2.63048	6.8917	1.46656	0.61761	0.61252	1.66E+01	2.76E-01	4.63E-05	1.36E-01	3.18E+00	2.03E-01	1.07E+00	1.01E+00	2.04E+01
4937	474863.09	3862877.25	1.56239	0.62865	2.48775	2.48401	6.33807	1.4342	0.63413	0.62865	1.60E+01	2.83E-01	6.31E-05	1.29E-01	2.92E+00	1.98E-01	1.09E+00	1.04E+00	1.96E+01
4938	475363.09	3862877.25	1.47345	0.64216	2.56526	2.18794	6.48176	1.50234	0.64717	0.64216	1.51E+01	2.89E-01	6.51E-05	1.13E-01	2.99E+00	2.08E-01	1.12E+00	1.06E+00	1.88E+01
4939	475863.09	3862877.25	1.51447	0.65486	2.50771	1.8216	5.95351	1.61917	0.65995	0.65486	1.55E+01	2.95E-01	6.36E-05	9.43E-02	2.74E+00	2.24E-01	1.14E+00	1.09E+00	1.89E+01
4940	476363.09	3862877.25	1.69281	0.66392	2.00538	1.46556	4.85351	1.66182	0.66942	0.66392	1.74E+01	2.99E-01	5.09E-05	7.59E-02	2.24E+00	2.30E-01	1.16E+00	1.10E+00	2.03E+01
4941	476863.09	3862877.25	1.85666	0.68496	1.9967	1.33482	4.67958	1.57301	0.69162	0.68496	1.90E+01	3.08E-01	5.07E-05	6.91E-02	2.16E+00	2.17E-01	1.19E+00	1.13E+00	2.18E+01
4942	477363.09	3862877.25	1.97472	0.71949	2.97914	1.55734	4.67007	1.4634	0.7274	0.71949	2.02E+01	3.24E-01	7.56E-05	8.06E-02	2.15E+00	2.02E-01	1.26E+00	1.19E+00	2.31E+01
4943	477863.09	3862877.25	2.03215	0.73929	2.6361	1.85218	5.86238	1.38748	0.74623	0.73929	2.08E+01	3.33E-01	6.69E-05	9.59E-02	2.70E+00	1.92E-01	1.29E+00	1.22E+00	2.42E+01
4944	478363.09	3862877.25	1.95034	0.70405	1.72136	2.12603	6.76327	1.07714	0.71668	0.70405	2.00E+01	3.17E-01	4.37E-05	1.10E-01	3.12E+00	1.49E-01	1.24E+00	1.17E+00	2.38E+01
4945	478863.09	3862877.25	1.77537	0.70911	1.63439	2.40606	7.16826	1.17282	0.72159	0.70911	1.82E+01	3.19E-01	4.15E-05	1.25E-01	3.30E+00	1.62E-01	1.25E+00	1.17E+00	2.22E+01
4946	479363.09	3862877.25	1.74066	0.72891	1.63056	2.23812	8.96353	1.29401	0.7415	0.72891	1.78E+01	3.28E-01	4.14E-05	1.16E-01	4.13E+00	1.79E-01	1.28E+00	1.21E+00	2.27E+01
4947	479863.09	3862877.25	1.54191	0.84132	2.47204	2.22525	8.30662	1.76125	0.84796	0.84132	1.58E+01	3.79E-01	6.27E-05	1.15E-01	3.83E+00	2.43E-01	1.46E+00	1.39E+00	2.04E+01
4948	480363.09	3862877.25	1.45569	0.86147	2.84862	1.84775	6.44446	1.7967	0.86356	0.86147	1.49E+01	3.88E-01	7.23E-05	9.57E-02	2.97E+00	2.48E-01	1.49E+00	1.43E+00	1.87E+01
4949	480863.09	3862877.25	1.48113	0.95355	3.31333	1.64204	8.53117	1.74419	0.92827	0.95355	1.52E+01	4.29E-01	8.41E-05	8.50E-02	3.93E+00	2.41E-01	1.60E+00	1.58E+00	1.99E+01
4950	481363.09	3862877.25	1.57588	1.23409	3.50427	1.57697	9.47003	1.63509	1.03036	1.23409	1.62E+01	5.55E-01	8.89E-05	8.16E-02	4.36E+00	2.26E-01	1.78E+00	2.04E+00	2.11E+01
4951	481863.09	3862877.25	2.02203	1.48303	3.30664	1.69788	11.58649	1.71543	1.07407	1.48303	2.07E+01	6.67E-01	8.39E-05	8.79E-02	5.34E+00	2.37E-01	1.85E+00	2.46E+00	2.65E+01
4952	482363.09	3862877.25	2.7923	1.0736	4.41553	1.77807	10.44504	1.80595	0.81099	1.0736	2.86E+01	4.83E-01	1.12E-04	9.20E-02	4.81E+00	2.50E-01	1.40E+00	1.78E+00	3.39E+01

4953	482863.09	3862877.25	3.1903	0.92145	3.20668	1.93511	6.83606	1.95109	0.85561	0.92145	3.27E+01	4.15E-01	8.13E-05	1.00E-01	3.15E+00	2.70E-01	1.48E+00	1.53E+00	3.66E+01
4954	483363.09	3862877.25	3.22751	0.93144	3.05884	2.46763	7.44657	1.71764	0.92536	0.93144	3.31E+01	4.19E-01	7.76E-05	1.28E-01	3.43E+00	2.37E-01	1.60E+00	1.54E+00	3.74E+01
4955	483863.09	3862877.25	2.86224	1.01437	3.8349	2.49336	8.27132	1.49357	1.00721	1.01437	2.93E+01	4.57E-01	9.73E-05	1.29E-01	3.81E+00	2.06E-01	1.74E+00	1.68E+00	3.40E+01
4956	484363.09	3862877.25	2.49568	1.09571	3.43176	2.37027	8.5623	1.5629	1.08808	1.09571	2.56E+01	4.93E-01	8.71E-05	1.23E-01	3.95E+00	2.16E-01	1.88E+00	1.82E+00	3.04E+01
4957	484863.09	3862877.25	2.24722	1.17979	3.42004	2.85633	7.69859	1.5853	1.17204	1.17979	2.30E+01	5.31E-01	8.68E-05	1.48E-01	3.55E+00	2.19E-01	2.02E+00	1.95E+00	2.76E+01
4958	485363.09	3862877.25	2.2297	1.25565	3.32417	2.71221	8.48334	1.87755	1.24868	1.25565	2.29E+01	5.65E-01	8.43E-05	1.40E-01	3.91E+00	2.60E-01	2.16E+00	2.08E+00	2.78E+01
4959	485863.09	3862877.25	2.57087	1.32292	3.88036	3.11256	8.82442	3.10623	1.31761	1.32292	2.64E+01	5.95E-01	9.84E-05	1.61E-01	4.07E+00	4.29E-01	2.27E+00	2.19E+00	3.17E+01
4960	486363.09	3862877.25	3.02809	1.39767	4.64693	3.14607	8.15768	3.0573	1.39432	1.39767	3.11E+01	6.29E-01	1.18E-04	1.63E-01	3.76E+00	4.23E-01	2.41E+00	2.32E+00	3.61E+01
4961	486863.09	3862877.25	2.84204	1.45768	4.41618	2.61757	18.69844	3.12692	1.45787	1.45768	2.91E+01	6.56E-01	1.12E-04	1.36E-01	8.62E+00	4.32E-01	2.52E+00	2.42E+00	3.91E+01
4962	487363.09	3862877.25	3.3372	1.51746	3.9957	2.8934	18.2868	3.93829	1.52076	1.51746	3.42E+01	6.83E-01	1.01E-04	1.50E-01	8.43E+00	5.44E-01	2.63E+00	2.51E+00	4.41E+01
4963	487863.09	3862877.25	4.07359	1.56811	4.10289	4.00256	6.48535	3.27423	1.57417	1.56811	4.18E+01	7.06E-01	1.04E-04	2.07E-01	2.99E+00	4.53E-01	2.72E+00	2.60E+00	4.62E+01
4964	488363.09	3862877.25	5.30984	1.61507	3.55419	4.15559	5.55275	3.48073	1.62283	1.61507	5.44E+01	7.27E-01	9.02E-05	2.15E-01	2.56E+00	4.81E-01	2.80E+00	2.68E+00	5.86E+01
4965	488863.09	3862877.25	7.12912	1.66169	3.29499	9.60555	8.61718	3.17533	1.67125	1.66169	7.31E+01	7.48E-01	8.36E-05	4.97E-01	3.97E+00	4.39E-01	2.89E+00	2.75E+00	7.89E+01
4966	489363.09	3862877.25	10.09182	1.7134	5.68191	10.94239	13.04542	3.90563	1.72435	1.7134	1.03E+02	7.71E-01	1.44E-04	5.66E-01	6.01E+00	5.40E-01	2.98E+00	2.84E+00	1.12E+02
4967	489863.09	3862877.25	11.03032	1.7732	3.53584	4.72346	5.11058	4.48912	1.78531	1.7732	1.13E+02	7.98E-01	8.97E-05	2.45E-01	2.36E+00	6.21E-01	3.08E+00	2.94E+00	1.17E+02
4968	490363.09	3862877.25	9.47436	1.92119	3.04289	3.58318	6.79208	4.30216	1.85966	1.92119	9.72E+01	8.65E-01	7.72E-05	1.85E-01	3.13E+00	5.95E-01	3.21E+00	3.18E+00	1.02E+02
4969	490863.09	3862877.25	6.92964	1.93089	2.97607	3.31826	17.90523	3.45925	1.94522	1.93089	7.11E+01	8.69E-01	7.55E-05	1.72E-01	8.25E+00	4.78E-01	3.36E+00	3.20E+00	8.10E+01
4970	491363.09	3862877.25	5.22432	1.99626	3.14417	2.9319	22.26484	2.6782	2.01139	1.99626	5.36E+01	8.98E-01	7.98E-05	1.52E-01	1.03E+01	3.70E-01	3.47E+00	3.31E+00	6.54E+01
4971	491863.09	3862877.25	3.34044	2.15875	3.64604	2.80936	13.54573	2.31895	2.17561	2.15875	3.43E+01	9.72E-01	9.25E-05	1.45E-01	6.24E+00	3.21E-01	3.76E+00	3.58E+00	4.21E+01
4972	492363.09	3862877.25	3.25282	2.3295	3.51087	3.4932	13.25714	2.16092	2.34778	2.3295	3.34E+01	1.05E+00	8.91E-05	1.81E-01	6.11E+00	2.99E-01	4.05E+00	3.86E+00	4.12E+01
4973	492863.09	3862877.25	2.97767	2.57197	3.82601	2.96218	8.42253	1.82503	2.59164	2.57197	3.05E+01	1.16E+00	9.71E-05	1.53E-01	3.88E+00	2.52E-01	4.47E+00	4.26E+00	3.62E+01
4974	493363.09	3862877.25	3.20427	2.92938	4.0982	3.41566	5.07195	2.21999	2.94998	2.92938	3.29E+01	1.32E+00	1.04E-04	1.77E-01	2.34E+00	3.07E-01	5.09E+00	4.85E+00	3.72E+01
4975	493863.09	3862877.25	3.54634	3.42273	3.88654	4.03801	6.2247	2.29849	3.44362	3.42273	3.64E+01	1.54E+00	9.86E-05	2.09E-01	2.87E+00	3.18E-01	5.95E+00	5.67E+00	4.16E+01
4976	494363.09	3862877.25	4.00912	4.06694	4.47134	3.12524	6.07329	2.45399	4.08744	4.06694	4.11E+01	1.83E+00	1.13E-04	1.62E-01	2.80E+00	3.39E-01	7.06E+00	6.74E+00	4.66E+01
4977	494863.09	3862877.25	4.41772	4.19209	5.74255	2.75566	4.30949	2.54695	4.21255	4.19209	4.53E+01	1.89E+00	1.46E-04	1.43E-01	1.99E+00	3.52E-01	7.27E+00	6.95E+00	5.00E+01
4978	495363.09	3862877.25	4.75769	4.62932	7.46959	3.98003	5.0238	2.83746	4.9203	4.62932	4.88E+01	2.08E+00	1.89E-04	2.06E-01	2.32E+00	3.92E-01	8.49E+00	7.67E+00	5.46E+01
4979	495863.09	3862877.25	4.76901	5.9803	7.82749	3.51871	6.76091	3.16317	5.51402	5.9803	4.89E+01	2.69E+00	1.99E-04	1.82E-01	3.12E+00	4.37E-01	9.52E+00	9.91E+00	5.49E+01
4980	496363.09	3862877.25	4.32496	6.00767	6.64016	3.78116	6.40973	3.31802	5.73895	6.00767	4.43E+01	2.70E+00	1.68E-04	1.96E-01	2.95E+00	4.59E-01	9.91E+00	9.95E+00	5.06E+01
4981	496863.09	3862877.25	3.61696	5.63239	5.01989	3.35885	7.61722	3.30443	5.69631	5.63239	3.71E+01	2.53E+00	1.27E-04	1.74E-01	3.51E+00	4.57E-01	9.83E+00	9.33E+00	4.43E+01
4982	497363.09	3862877.25	2.86405	6.31656	3.61628	2.73697	8.43854	3.18125	6.06885	6.31656	2.94E+01	2.84E+00	9.17E-05	1.42E-01	3.89E+00	4.40E-01	1.05E+01	1.05E+01	3.67E+01
4983	497863.09	3862877.25	2.31153	7.61134	3.57786	2.30552	7.76565	2.91775	7.37554	7.61134	2.37E+01	3.43E+00	9.08E-05	1.19E-01	3.58E+00	4.03E-01	1.27E+01	1.26E+01	3.14E+01
4984	498363.09	3862877.25	2.37212	8.03875	3.61786	2.34321	6.52993	3.41184	8.00773	8.03875	2.43E+01	3.62E+00	9.18E-05	1.21E-01	3.01E+00	4.72E-01	1.38E+01	1.33E+01	3.20E+01
4985	471363.09	3863377.25	1.65966	0.59977	1.27568	2.28471	4.88812	1.6072	0.60451	0.59977	1.70E+01	2.70E-01	3.24E-05	1.18E-01	2.25E+00	2.22E-01	1.04E+00	9.94E-01	1.99E+01
4986	471863.09	3863377.25	1.65058	0.61307	1.06282	2.43889	5.67568	1.53892	0.618	0.61307	1.69E+01	2.76E-01	2.70E-05	1.26E-01	2.62E+00	2.13E-01	1.07E+00	1.02E+00	2.02E+01
4987	472363.09	3863377.25	1.617	0.63227	1.21188	2.49957	6.19614	1.4807	0.6373	0.63227	1.66E+01	2.85E-01	3.07E-05	1.29E-01	2.86E+00	2.05E-01	1.10E+00	1.05E+00	2.01E+01
4988	472863.09	3863377.25	1.56055	0.64071	1.42327	2.43541	6.32216	1.43878	0.64537	0.64071	1.60E+01	2.88E-01	3.61E-05	1.26E-01	2.91E+00	1.99E-01	1.11E+00	1.06E+00	1.96E+01
4989	473363.09	3863377.25	1.49209	0.62765	1.82395	2.2471	5.99606	1.41096	0.63161	0.62765	1.53E+01	2.82E-01	4.63E-05	1.16E-01	2.76E+00	1.95E-01	1.09E+00	1.04E+00	1.87E+01
4990	473863.09	3863377.25	1.42693	0.60555	2.19956	1.96867	5.79154	1.38979	0.60926	0.60555	1.46E+01	2.73E-01	5.58E-05	1.02E-01	2.67E+00	1.92E-01	1.05E+00	1.00E+00	1.79E+01
4991	474363.09	3863377.25	1.36462	0.59911	2.33281	1.65177	5.79452	1.41607	0.60289	0.59911	1.40E+01	2.70E-01	5.92E-05	8.55E-02	2.67E+00	1.96E-01	1.04E+00	9.93E-01	1.73E+01
4992	474863.09	3863377.25	1.40265	0.60495	2.17901	1.36544	5.2064	1.44167	0.6078	0.60495	1.44E+01	2.72E-01	5.53E-05	7.07E-02	2.40E+00	1.99E-01	1.05E+00	1.00E+00	1.74E+01
4993	475363.09	3863377.25	1.48003	0.62742	1.91115	1.15075	4.20811	1.4585	0.63098	0.62742	1.52E+01	2.82E-01	4.85E-05	5.96E-02	1.94E+00	2.02E-01	1.09E+00	1.04E+00	1.77E+01
4994	475863.09	3863377.25	1.61505	0.64443	1.77144	1.22299	4.23834	1.41278	0.64874	0.64443	1.66E+01	2.90E-01	4.49E-05	6.33E-02	1.95E+00	1.95E-01	1.12E+00	1.07E+00	1.91E+01
4995	476363.09	3863377.25	1.74923	0.6496	2.12664	1.44027	4.28603	1.43448	0.6539	0.6496	1.79E+01	2.92E-01	5.39E-05	7.46E-02	1.98E+00	1.98E-01	1.13E+00	1.08E+00	2.05E+01
4996	476863.09	3863377.25	1.83652	0.65811	2.76894	1.72696	4.26989	1.50427	0.66268	0.65811	1.88E+01	2.96E-01	7.02E-05	8.94E-02	1.97E+00	2.08E-01	1.14E+00	1.09E+00	2.14E+01
4997	477363.09	3863377.25	1.8542	0.68042	2.74148	2.03262	5.00905	1.5842	0.68635	0.68042	1.90E+01	3.06E-01	6.95E-05	1.05E-01	2.31E+00	2.19E-01	1.18E+00	1.13E+00	2.20E+01
4998	477863.09	3863377.25	1.7992	0.73138	2.04463	2.34915	5.06513	1.65833	0.73925	0.73138	1.84E+01	3.29E-01	5.19E-05	1.22E-01	2.33E+00	2.29E-01	1.28E+00	1.21E+00	2.15E+01
4999	478363.09	3863377.25	1.69167	0.72799	1.67136	2.23229	7.90193	1.7125	0.73421	0.72799	1.73E+01	3.28E-01	4.24E-05	1.16E-01	3.64E+00	2.37E-01	1.27E+00	1.21E+00	2.17E+01
5000	478863.09	3863377.25	1.54493	0.7385	1.55261	2.31767	8.17735	1.70836	0.74484	0.7385	1.58E+01	3.32E-01	3.94E-05	1.20E-01	3.77E+00	2.36E-01	1.29E+00	1.22E+00	2.04E+01
5001	479363.09	3863377.25	1.442	0.78409	2.56258	1.78293	7.78627	1.63869	0.79128	0.78409	1.48E+01	3.53E-01	6.50E-05	9.23E-02	3.59E+00	2.27E-01	1.37E+00	1.30E+00	1.91E+01
5002	479863.09	3863377.25	1.35863	0.78369	3.01075	1.45312	6.47178	1.54299	0.78571	0.78369	1.39E+01	3.53E-01	7.64E-05	7.52E-02	2.98E+00	2.13E-01	1.36E+00	1.30E+00	1.76E+01
5003	480363.09	3863377.25	1.39628	0.82799	2.92904	1.44352	8.28059	1.44948	0.82717	0.82799	1.43E+01	3.73E-01	7.43E-05	7.47E-02	3.82E+00	2.00E-01	1.43E+00	1.37E+00	1.88E+01
5004	480863.09	3863377.25	1.50671	0.94326	2.55931	1.49589	8.84504	1.3905	0.90322	0.94326	1.54E+01	4.25E-01	6.49E-05	7.74E-02	4.08E+00	1.92E-01	1.56E+00	1.56E+00	2.02E+01
5005	481363.09	3863377.25	1.645	1.22528	3.02126	1.51296	10.34462	1.45048	0.9984	1.22528	1.69E+01	5.51E-01	7.66E-05	7.83E-02	4.77E+00	2.01E-01	1.72E+00	2.03E+00	2.22E+01
5006	481863.09	3863377.25	2.06816	1.3259	3.83238	1.59509	9.42699	1.43992	0.96661	1.3259	2.12E+01	5.97E-01	9.72E-05	8.26E-02	4.34E+00	1.99E-01	1.67E+00	2.20E+00	2.59E+01
5007	482363.09	3863377.25	2.81683	1.01354	3.19093	1.99902	6.37349	1.5448	0.97224	1.01354	2.89E+01	4.56E-01	8.09E-05	1.03E-01	2.94E+00	2.14E-01	1.68E+00	1.68E+00	3.26E+01
5008	482863.09	3863377.25	3.15556	1.02882	2.2318	2.31534	6.00349	1.45563	1.02567	1.02882	3.24E+01	4.63E-01	5.66E-05	1.20E-01	2.77E+00	2.01E-01	1.77E+00	1.70E+00	3.60E+01
5009	483363.09	3863377.25	3.14308	1.07356	3.14132	2.10955	7.79706	1.38987	1.07137	1.07356	3.22E+01	4.83E-01	7.97E-05	1.09E-01	3.59E+00	1.92E-01	1.85E+00	1.78E+00	3.67E+01
5010	483863.09	3863377.25	2.78347	1.1157	3.40579	2.32933	8.3488	1.42284	1.11462	1.1157	2.85E+01	5.02E-01	8.64E-05	1.21E-01	3.85E+00	1.97E-01	1.92E+00	1.85E+00	3.33E+01
5011	484363.09	3863377.25	2.41718	1.15987	2.66433	2.86778	7.23933	1.46346	1.15987	1.15987	2.48E+01	5.22E-01	6.76E-05	1.48E-01	3.34E+00	2.02E-01	2.00E+00	1.92E+00	2.91E+01

5012	484863.09	3863377.25	2.19258	1.19493	3.24023	2.45127	8.28522	1.48719	1.19612	1.19493	2.25E+01	5.38E-01	8.22E-05	1.27E-01	3.82E+00	2.06E-01	2.07E+00	1.98E+00	2.73E+01
5013	485363.09	3863377.25	2.24375	1.23563	3.62111	2.76764	6.0122	1.98602	1.23747	1.23563	2.30E+01	5.56E-01	9.19E-05	1.43E-01	2.77E+00	2.75E-01	2.14E+00	2.05E+00	2.68E+01
5014	485863.09	3863377.25	2.64072	1.26587	4.05929	2.8061	8.31078	3.10569	1.2689	1.26587	2.71E+01	5.70E-01	1.03E-04	1.45E-01	3.83E+00	4.29E-01	2.19E+00	2.10E+00	3.21E+01
5015	486363.09	3863377.25	3.00087	1.29231	3.39804	2.38711	7.26904	2.94348	1.296	1.29231	3.08E+01	5.82E-01	8.62E-05	1.24E-01	3.35E+00	4.07E-01	2.24E+00	2.14E+00	3.53E+01
5016	486863.09	3863377.25	2.85861	1.32103	3.85967	2.46238	19.64133	3.27073	1.32542	1.32103	2.93E+01	5.95E-01	9.79E-05	1.27E-01	9.05E+00	4.52E-01	2.29E+00	2.19E+00	3.96E+01
5017	487363.09	3863377.25	3.39304	1.35627	3.61636	3.22608	16.07305	3.58606	1.36127	1.35627	3.48E+01	6.10E-01	9.17E-05	1.67E-01	7.41E+00	4.96E-01	2.35E+00	2.25E+00	4.36E+01
5018	487863.09	3863377.25	3.15951	1.39952	4.0466	3.62431	5.93995	3.35365	1.40511	1.39952	3.24E+01	6.30E-01	1.03E-04	1.88E-01	2.74E+00	4.64E-01	2.43E+00	2.32E+00	3.65E+01
5019	488363.09	3863377.25	4.3555	1.45314	3.84344	4.11841	5.22959	2.81412	1.45958	1.45314	4.47E+01	6.54E-01	9.75E-05	2.13E-01	2.41E+00	3.89E-01	2.52E+00	2.41E+00	4.84E+01
5020	488863.09	3863377.25	5.65086	1.52069	2.50408	10.39725	6.50529	2.74629	1.52788	1.52069	5.79E+01	6.84E-01	6.35E-05	5.38E-01	3.00E+00	3.80E-01	2.64E+00	2.52E+00	6.27E+01
5021	489363.09	3863377.25	7.81464	1.61203	4.96849	10.63906	11.99101	3.39588	1.62015	1.61203	8.01E+01	7.25E-01	1.26E-04	5.51E-01	5.53E+00	4.69E-01	2.80E+00	2.67E+00	8.75E+01
5022	489863.09	3863377.25	9.93767	1.72855	2.81034	4.68089	7.22033	3.31809	1.7377	1.72855	1.02E+02	7.78E-01	7.13E-05	2.42E-01	3.33E+00	4.59E-01	3.00E+00	2.86E+00	1.07E+02
5023	490363.09	3863377.25	9.83619	1.87185	2.97466	3.37839	3.89199	4.05219	1.88108	1.87185	1.01E+02	8.42E-01	7.55E-05	1.75E-01	1.79E+00	5.60E-01	3.25E+00	3.10E+00	1.04E+02
5024	490863.09	3863377.25	7.75215	2.03372	3.61547	3.09494	10.5653	3.76686	2.04335	2.03372	7.95E+01	9.15E-01	9.17E-05	1.60E-01	4.87E+00	5.21E-01	3.53E+00	3.37E+00	8.61E+01
5025	491363.09	3863377.25	6.19336	2.17079	2.13203	2.92753	19.12785	3.03865	2.17998	2.17079	6.35E+01	9.77E-01	5.41E-05	1.52E-01	8.81E+00	4.20E-01	3.76E+00	3.60E+00	7.40E+01
5026	491863.09	3863377.25	4.46884	2.21974	3.95172	2.28238	18.03503	2.31949	2.22769	2.21974	4.58E+01	9.99E-01	1.00E-04	1.18E-01	8.31E+00	3.21E-01	3.85E+00	3.68E+00	5.57E+01
5027	492363.09	3863377.25	3.17435	2.05553	2.93275	2.8342	10.67501	2.11708	2.06108	2.05553	3.25E+01	9.25E-01	7.44E-05	1.47E-01	4.92E+00	2.93E-01	3.56E+00	3.41E+00	3.90E+01
5028	492863.09	3863377.25	3.21548	1.42523	3.33866	3.30789	12.36904	2.07087	1.59487	1.42523	3.30E+01	6.41E-01	8.47E-05	1.71E-01	5.70E+00	2.86E-01	2.75E+00	2.36E+00	4.02E+01
5029	493363.09	3863377.25	3.10096	2.03097	4.09194	2.7975	7.54673	1.75252	2.01728	2.03097	3.18E+01	9.14E-01	1.04E-04	1.45E-01	3.48E+00	2.42E-01	3.48E+00	3.37E+00	3.67E+01
5030	493863.09	3863377.25	3.06612	2.9114	4.24713	3.11497	4.72567	2.02138	2.93772	2.9114	3.14E+01	1.31E+00	1.08E-04	1.61E-01	2.18E+00	2.79E-01	5.07E+00	4.82E+00	3.56E+01
5031	494363.09	3863377.25	3.32704	2.55172	3.64311	3.66014	5.83676	2.83013	2.56634	2.55172	3.41E+01	1.15E+00	9.24E-05	1.89E-01	2.69E+00	3.91E-01	4.43E+00	4.23E+00	3.87E+01
5032	494863.09	3863377.25	3.63291	2.09827	3.41214	3.16487	5.91453	2.0952	2.59466	2.09827	3.73E+01	9.44E-01	8.66E-05	1.64E-01	2.73E+00	2.90E-01	4.48E+00	3.48E+00	4.24E+01
5033	495363.09	3863377.25	4.20507	2.61413	5.507	2.75676	4.27646	2.31214	2.78769	2.61413	4.31E+01	1.18E+00	1.40E-04	1.43E-01	1.97E+00	3.20E-01	4.81E+00	4.33E+00	4.72E+01
5034	495863.09	3863377.25	4.70375	4.48944	7.28028	3.3665	4.02302	2.99785	4.51124	4.48944	4.82E+01	2.02E+00	1.85E-04	1.74E-01	1.85E+00	4.14E-01	7.79E+00	7.44E+00	5.30E+01
5035	496363.09	3863377.25	4.56	4.16399	7.16707	3.57884	5.78632	2.73264	3.97348	4.16399	4.68E+01	1.87E+00	1.82E-04	1.85E-01	2.67E+00	3.78E-01	6.86E+00	6.90E+00	5.18E+01
5036	496863.09	3863377.25	4.31487	4.80798	6.76448	3.10161	6.15097	2.86795	4.47391	4.80798	4.42E+01	2.16E+00	1.72E-04	1.61E-01	2.83E+00	3.97E-01	7.72E+00	7.97E+00	4.96E+01
5037	497363.09	3863377.25	3.85557	4.74109	5.65438	3.21514	5.7074	2.93912	4.51216	4.74109	3.95E+01	2.13E+00	1.43E-04	1.66E-01	2.63E+00	4.06E-01	7.79E+00	7.86E+00	4.48E+01
5038	497863.09	3863377.25	3.23106	4.40294	4.40112	2.89758	7.24569	2.94212	4.41294	4.40294	3.31E+01	1.98E+00	1.12E-04	1.50E-01	3.34E+00	4.07E-01	7.62E+00	7.30E+00	3.93E+01
5039	498363.09	3863377.25	2.59367	4.4065	3.24507	2.45829	7.58377	2.75691	4.29706	4.4065	2.66E+01	1.98E+00	8.23E-05	1.27E-01	3.49E+00	3.81E-01	7.42E+00	7.30E+00	3.27E+01
5040	471363.09	3863877.25	1.52707	0.59156	1.06193	2.25452	5.72541	1.40625	0.59565	0.59156	1.57E+01	2.66E-01	2.69E-05	1.17E-01	2.64E+00	1.94E-01	1.03E+00	9.80E-01	1.89E+01
5041	471863.09	3863877.25	1.48653	0.61057	1.44555	2.05867	5.67881	1.37466	0.61551	0.61057	1.52E+01	2.75E-01	3.67E-05	1.07E-01	2.62E+00	1.90E-01	1.06E+00	1.01E+00	1.85E+01
5042	472363.09	3863877.25	1.41008	0.62524	1.84112	1.79088	5.23429	1.36058	0.62976	0.62524	1.45E+01	2.81E-01	4.67E-05	9.27E-02	2.41E+00	1.88E-01	1.09E+00	1.04E+00	1.75E+01
5043	472863.09	3863877.25	1.34217	0.63205	2.07184	1.51592	5.3175	1.35307	0.63611	0.63205	1.38E+01	2.84E-01	5.26E-05	7.85E-02	2.45E+00	1.87E-01	1.10E+00	1.05E+00	1.68E+01
5044	473363.09	3863877.25	1.28715	0.61242	2.06124	1.2812	5.18395	1.35891	0.61525	0.61242	1.32E+01	2.76E-01	5.23E-05	6.63E-02	2.39E+00	1.88E-01	1.06E+00	1.01E+00	1.62E+01
5045	473863.09	3863877.25	1.35337	0.59346	1.98969	1.10943	4.61607	1.37062	0.59633	0.59346	1.39E+01	2.67E-01	5.05E-05	5.74E-02	2.13E+00	1.89E-01	1.03E+00	9.83E-01	1.66E+01
5046	474363.09	3863877.25	1.40321	0.58661	2.03536	1.04915	3.69066	1.40452	0.58911	0.58661	1.44E+01	2.64E-01	5.16E-05	5.43E-02	1.70E+00	1.94E-01	1.02E+00	9.72E-01	1.66E+01
5047	474863.09	3863877.25	1.42559	0.59396	1.90826	1.10438	3.85059	1.46233	0.59551	0.59396	1.46E+01	2.67E-01	4.84E-05	5.72E-02	1.77E+00	2.02E-01	1.03E+00	9.84E-01	1.70E+01
5048	475363.09	3863877.25	1.54167	0.61771	1.82955	1.37457	4.06642	1.51947	0.62055	0.61771	1.58E+01	2.78E-01	4.64E-05	7.12E-02	1.87E+00	2.10E-01	1.07E+00	1.02E+00	1.83E+01
5049	475863.09	3863877.25	1.65594	0.62326	2.10455	1.52016	3.88885	1.58729	0.62541	0.62326	1.70E+01	2.80E-01	5.34E-05	7.87E-02	1.79E+00	2.19E-01	1.08E+00	1.03E+00	1.94E+01
5050	476363.09	3863877.25	1.73491	0.63219	2.50668	1.69615	4.37812	1.63227	0.635	0.63219	1.78E+01	2.85E-01	6.36E-05	8.78E-02	2.02E+00	2.26E-01	1.10E+00	1.05E+00	2.05E+01
5051	476863.09	3863877.25	1.72775	0.636	2.36999	1.64752	4.63822	1.64742	0.63828	0.636	1.77E+01	2.86E-01	6.01E-05	8.53E-02	2.14E+00	2.28E-01	1.10E+00	1.05E+00	2.05E+01
5052	477363.09	3863877.25	1.65669	0.65331	1.72606	1.7074	5.29511	1.61632	0.6567	0.65331	1.70E+01	2.94E-01	4.38E-05	8.84E-02	2.44E+00	2.23E-01	1.13E+00	1.08E+00	2.01E+01
5053	477863.09	3863877.25	1.5547	0.69111	2.05846	1.72749	7.22465	1.54913	0.69716	0.69111	1.59E+01	3.11E-01	5.22E-05	8.94E-02	3.33E+00	2.14E-01	1.20E+00	1.15E+00	1.99E+01
5054	478363.09	3863877.25	1.4667	0.73951	2.42669	1.59979	8.08669	1.47503	0.74639	0.73951	1.50E+01	3.33E-01	6.16E-05	8.28E-02	3.73E+00	2.04E-01	1.29E+00	1.23E+00	1.94E+01
5055	478863.09	3863877.25	1.35515	0.73127	2.84734	1.47967	6.45891	1.38189	0.7367	0.73127	1.39E+01	3.29E-01	7.22E-05	7.66E-02	2.98E+00	1.91E-01	1.27E+00	1.21E+00	1.75E+01
5056	479363.09	3863877.25	1.31516	0.76724	2.57094	1.38754	6.96564	1.30809	0.77076	0.76724	1.35E+01	3.45E-01	6.52E-05	7.18E-02	3.21E+00	1.81E-01	1.33E+00	1.27E+00	1.74E+01
5057	479863.09	3863877.25	1.34387	0.83214	2.04692	1.44792	8.10739	1.27812	0.83167	0.83214	1.38E+01	3.75E-01	5.19E-05	7.50E-02	3.74E+00	1.77E-01	1.44E+00	1.38E+00	1.82E+01
5058	480363.09	3863877.25	1.42851	0.87572	2.13497	1.42712	8.20537	1.29721	0.87509	0.87572	1.46E+01	3.94E-01	5.42E-05	7.39E-02	3.78E+00	1.79E-01	1.51E+00	1.45E+00	1.91E+01
5059	480863.09	3863877.25	1.57491	0.93868	2.81958	1.43976	9.48508	1.43392	0.9098	0.93868	1.61E+01	4.22E-01	7.15E-05	7.45E-02	4.37E+00	1.98E-01	1.57E+00	1.56E+00	2.12E+01
5060	481363.09	3863877.25	1.73869	1.22682	3.38193	1.5679	8.58642	1.31723	0.97968	1.22682	1.78E+01	5.52E-01	8.58E-05	8.12E-02	3.96E+00	1.82E-01	1.69E+00	2.03E+00	2.23E+01
5061	481863.09	3863877.25	2.1519	1.2461	2.63369	2.04379	5.96014	1.41565	0.97413	1.2461	2.21E+01	5.61E-01	6.68E-05	1.06E-01	2.75E+00	1.96E-01	1.68E+00	2.06E+00	2.53E+01
5062	482363.09	3863877.25	2.8396	0.99307	2.95457	2.18831	5.01552	1.49649	0.99503	0.99307	2.91E+01	4.47E-01	7.50E-05	1.13E-01	2.31E+00	2.07E-01	1.72E+00	1.65E+00	3.23E+01
5063	482863.09	3863877.25	3.13809	1.01809	2.37585	1.77635	7.05779	1.40186	1.02044	1.01809	3.22E+01	4.58E-01	6.03E-05	9.20E-02	3.25E+00	1.94E-01	1.76E+00	1.69E+00	3.62E+01
5064	483363.09	3863877.25	3.06407	1.04087	3.15322	2.40191	7.53924	1.34264	1.04338	1.04087	3.14E+01	4.68E-01	8.00E-05	1.24E-01	3.47E+00	1.86E-01	1.80E+00	1.72E+00	3.57E+01
5065	483863.09	3863877.25	2.71214	1.05948	3.01692	2.8046	6.54158	1.38673	1.06216	1.05948	2.78E+01	4.77E-01	7.65E-05	1.45E-01	3.01E+00	1.92E-01	1.83E+00	1.76E+00	3.17E+01
5066	484363.09	3863877.25	2.36216	1.08961	2.6681	2.22706	6.47277	1.411	1.0923	1.08961	2.42E+01	4.90E-01	6.77E-05	1.15E-01	2.98E+00	1.95E-01	1.89E+00	1.81E+00	2.81E+01
5067	484863.09	3863877.25	2.17529	1.1185	3.3848	2.48296	7.39041	1.46759	1.12115	1.1185	2.23E+01	5.03E-01	8.59E-05	1.29E-01	3.41E+00	2.03E-01	1.94E+00	1.85E+00	2.66E+01
5068	485363.09	3863877.25	2.27292	1.15466	3.64733	2.54309	6.72482	2.11118	1.15747	1.15466	2.33E+01	5.20E-01	9.25E-05	1.32E-01	3.10E+00	2.92E-01	2.00E+00	1.91E+00	2.74E+01
5069	485863.09	3863877.25	2.71421	1.19634	2.32578	2.19778	7.41081	3.11409	1.19911	1.19634	2.78E+01	5.38E-01	5.90E-05	1.14E-01	3.42E+00	4.31E-01	2.07E+00	1.98E+00	3.24E+01
5070	486363.09	3863877.25	2.97315	1.2505	3.60485	2.14619	8.84069	2.87115	1.25342	1.2505	3.05E+01	5.63E-01	9.14E-05	1.11E-01	4.07E+00	3.97E-01	2.16E+00	2.07E+00	3.57E+01

5071	486863.09	3863877.25	2.88397	1.31235	3.46141	2.64696	19.93151	3.3611	1.31532	1.31235	2.96E+01	5.91E-01	8.78E-05	1.37E-01	9.19E+00	4.65E-01	2.27E+00	2.17E+00	4.00E+01
5072	487363.09	3863877.25	3.40883	1.37993	2.99041	3.25646	13.9027	3.28896	1.38304	1.37993	3.50E+01	6.21E-01	7.59E-05	1.69E-01	6.41E+00	4.55E-01	2.39E+00	2.29E+00	4.27E+01
5073	487863.09	3863877.25	3.00954	1.44512	3.1126	3.18417	5.46206	3.21841	1.4482	1.44512	3.09E+01	6.50E-01	7.90E-05	1.65E-01	2.52E+00	4.45E-01	2.50E+00	2.39E+00	3.47E+01
5074	488363.09	3863877.25	3.41602	1.49301	3.59439	4.21782	4.91358	2.3552	1.49592	1.49301	3.50E+01	6.72E-01	9.12E-05	2.18E-01	2.26E+00	3.26E-01	2.58E+00	2.47E+00	3.86E+01
5075	488863.09	3863877.25	4.637	1.4999	2.8074	10.99676	4.77727	2.67436	1.50223	1.4999	4.75E+01	6.75E-01	7.12E-05	5.69E-01	2.20E+00	3.70E-01	2.59E+00	2.49E+00	5.15E+01
5076	489363.09	3863877.25	6.12448	1.43802	4.29669	9.63615	10.25196	2.49993	1.43977	1.43802	6.28E+01	6.47E-01	1.09E-04	4.99E-01	4.72E+00	3.46E-01	2.49E+00	2.38E+00	6.91E+01
5077	489863.09	3863877.25	8.27791	1.29355	2.44229	4.61015	8.79862	3.06938	1.29448	1.29355	8.49E+01	5.82E-01	6.20E-05	2.39E-01	4.05E+00	4.24E-01	2.23E+00	2.14E+00	9.03E+01
5078	490363.09	3863877.25	9.45661	1.22611	2.77395	3.19853	3.14106	2.81844	1.15657	1.22611	9.70E+01	5.52E-01	7.04E-05	1.66E-01	1.45E+00	3.90E-01	2.00E+00	2.03E+00	9.95E+01
5079	490863.09	3863877.25	8.61379	1.57557	3.46057	2.88913	5.34156	3.67132	1.18182	1.57557	8.83E+01	7.09E-01	8.78E-05	1.50E-01	2.46E+00	5.08E-01	2.04E+00	2.61E+00	9.16E+01
5080	491363.09	3863877.25	6.29408	1.62788	1.80902	2.7819	13.48609	3.32754	1.34905	1.62788	6.45E+01	7.33E-01	4.59E-05	1.44E-01	6.21E+00	4.60E-01	2.33E+00	2.70E+00	7.17E+01
5081	491863.09	3863877.25	5.76982	1.43257	2.52994	2.56561	19.24809	2.76044	1.41506	1.43257	5.92E+01	6.45E-01	6.42E-05	1.33E-01	8.87E+00	3.82E-01	2.44E+00	2.37E+00	6.93E+01
5082	492363.09	3863877.25	4.30253	1.44243	4.17742	2.03396	15.58606	2.16841	1.78403	1.44243	4.41E+01	6.49E-01	1.06E-04	1.05E-01	7.18E+00	3.00E-01	3.08E+00	2.39E+00	5.30E+01
5083	492863.09	3863877.25	3.24196	1.43711	2.9821	3.58039	11.60291	2.19314	2.34536	1.43711	3.32E+01	6.47E-01	7.56E-05	1.85E-01	5.35E+00	3.03E-01	4.05E+00	2.38E+00	4.14E+01
5084	493363.09	3863877.25	3.29249	1.56451	3.47609	4.09712	11.37702	2.48507	1.6294	1.56451	3.38E+01	7.04E-01	8.82E-05	2.12E-01	5.24E+00	3.44E-01	2.81E+00	2.59E+00	4.05E+01
5085	493863.09	3863877.25	3.10192	2.06665	3.9708	3.01915	6.35652	1.7577	2.11771	2.06665	3.18E+01	9.30E-01	1.01E-04	1.56E-01	2.93E+00	2.43E-01	3.66E+00	3.42E+00	3.63E+01
5086	494363.09	3863877.25	2.74588	1.95124	3.95687	2.90187	4.25675	2.84364	1.97057	1.95124	2.82E+01	8.78E-01	1.00E-04	1.50E-01	1.96E+00	3.93E-01	3.40E+00	3.23E+00	3.17E+01
5087	494863.09	3863877.25	3.13145	1.8233	3.49056	3.23785	5.41001	2.28805	2.18398	1.8233	3.21E+01	8.21E-01	8.85E-05	1.68E-01	2.49E+00	3.16E-01	3.77E+00	3.02E+00	3.67E+01
5088	495363.09	3863877.25	3.38502	1.84615	3.25368	3.02352	5.53508	2.4391	2.3773	1.84615	3.47E+01	8.31E-01	8.25E-05	1.57E-01	2.55E+00	3.37E-01	4.10E+00	3.06E+00	3.96E+01
5089	495863.09	3863877.25	3.71817	2.04975	4.30007	2.50165	4.33984	2.33018	2.38131	2.04975	3.81E+01	9.22E-01	1.09E-04	1.30E-01	2.00E+00	3.22E-01	4.11E+00	3.40E+00	4.22E+01
5090	496363.09	3863877.25	4.02471	3.16701	5.06505	2.37597	3.6411	2.19632	2.93848	3.16701	4.13E+01	1.43E+00	1.28E-04	1.23E-01	1.68E+00	3.04E-01	5.07E+00	5.25E+00	4.46E+01
5091	496863.09	3863877.25	4.22929	3.35121	6.04652	3.23132	4.67725	2.32962	3.54802	3.35121	4.34E+01	1.51E+00	1.53E-04	1.67E-01	2.16E+00	3.22E-01	6.13E+00	5.55E+00	4.81E+01
5092	497363.09	3863877.25	4.24257	3.74232	6.48604	2.92081	5.73271	2.54334	3.31177	3.74232	4.35E+01	1.68E+00	1.65E-04	1.51E-01	2.64E+00	3.52E-01	5.72E+00	6.20E+00	4.78E+01
5093	497863.09	3863877.25	4.00411	4.0581	6.04799	2.8867	5.37822	2.68543	3.82277	4.0581	4.11E+01	1.83E+00	1.53E-04	1.49E-01	2.48E+00	3.71E-01	6.60E+00	6.72E+00	4.58E+01
5094	498363.09	3863877.25	3.50928	3.98227	4.93886	2.83498	5.83398	2.67417	3.78838	3.98227	3.60E+01	1.79E+00	1.25E-04	1.47E-01	2.69E+00	3.70E-01	6.54E+00	6.60E+00	4.09E+01
5095	471363.09	3864377.25	1.33143	0.5877	1.7999	1.40435	4.68362	1.33611	0.59167	0.5877	1.37E+01	2.64E-01	4.57E-05	7.27E-02	2.16E+00	1.85E-01	1.02E+00	9.74E-01	1.64E+01
5096	471863.09	3864377.25	1.27989	0.60204	1.90536	1.20662	4.88831	1.34476	0.60606	0.60204	1.31E+01	2.71E-01	4.83E-05	6.25E-02	2.25E+00	1.86E-01	1.05E+00	9.98E-01	1.59E+01
5097	472363.09	3864377.25	1.25894	0.61928	1.80507	1.06873	4.69316	1.36859	0.62323	0.61928	1.29E+01	2.79E-01	4.58E-05	5.53E-02	2.16E+00	1.89E-01	1.08E+00	1.03E+00	1.56E+01
5098	472863.09	3864377.25	1.30803	0.62412	1.54245	0.98882	4.11964	1.40665	0.62787	0.62412	1.34E+01	2.81E-01	3.91E-05	5.12E-02	1.90E+00	1.94E-01	1.08E+00	1.03E+00	1.59E+01
5099	473363.09	3864377.25	1.33109	0.6011	1.83663	0.96338	3.34951	1.46285	0.60325	0.6011	1.36E+01	2.71E-01	4.66E-05	4.99E-02	1.54E+00	2.02E-01	1.04E+00	9.96E-01	1.58E+01
5100	473863.09	3864377.25	1.34676	0.57957	1.93995	1.10176	3.6381	1.51873	0.58101	0.57957	1.38E+01	2.61E-01	4.92E-05	5.70E-02	1.68E+00	2.10E-01	1.00E+00	9.60E-01	1.61E+01
5101	474363.09	3864377.25	1.35119	0.57822	1.85017	1.28325	3.87735	1.5624	0.5798	0.57822	1.39E+01	2.60E-01	4.69E-05	6.64E-02	1.79E+00	2.16E-01	1.00E+00	9.58E-01	1.62E+01
5102	474863.09	3864377.25	1.47003	0.58578	1.81782	1.41076	3.59732	1.59139	0.58683	0.58578	1.51E+01	2.64E-01	4.61E-05	7.30E-02	1.66E+00	2.20E-01	1.01E+00	9.71E-01	1.73E+01
5103	475363.09	3864377.25	1.5858	0.60456	2.00312	1.47849	3.92483	1.58143	0.60613	0.60456	1.63E+01	2.72E-01	5.08E-05	7.65E-02	1.81E+00	2.19E-01	1.05E+00	1.00E+00	1.87E+01
5104	475863.09	3864377.25	1.6445	0.6353	2.21124	1.46983	4.23388	1.54247	0.63707	0.6353	1.69E+01	2.86E-01	5.61E-05	7.61E-02	1.95E+00	2.13E-01	1.10E+00	1.05E+00	1.94E+01
5105	476363.09	3864377.25	1.64153	0.66578	2.11944	1.40034	4.28947	1.47541	0.66797	0.66578	1.68E+01	3.00E-01	5.38E-05	7.25E-02	1.98E+00	2.04E-01	1.15E+00	1.10E+00	1.94E+01
5106	476863.09	3864377.25	1.57197	0.6905	2.02353	1.36459	5.58844	1.39625	0.6935	0.6905	1.61E+01	3.11E-01	5.13E-05	7.06E-02	2.58E+00	1.93E-01	1.20E+00	1.14E+00	1.93E+01
5107	477363.09	3864377.25	1.44512	0.72721	2.22018	1.21591	7.06984	1.32254	0.72957	0.72721	1.48E+01	3.27E-01	5.63E-05	6.29E-02	3.26E+00	1.83E-01	1.26E+00	1.20E+00	1.87E+01
5108	477863.09	3864377.25	1.32867	0.75687	2.22908	1.15552	6.82805	1.25492	0.75899	0.75687	1.36E+01	3.41E-01	5.65E-05	5.98E-02	3.15E+00	1.73E-01	1.31E+00	1.25E+00	1.74E+01
5109	478363.09	3864377.25	1.25859	0.78199	2.04538	1.30458	4.92591	1.2355	0.78433	0.78199	1.29E+01	3.52E-01	5.19E-05	6.75E-02	2.27E+00	1.71E-01	1.35E+00	1.30E+00	1.58E+01
5110	478863.09	3864377.25	1.24844	0.80364	1.65342	1.39878	7.06108	1.29656	0.80625	0.80364	1.28E+01	3.62E-01	4.19E-05	7.24E-02	3.25E+00	1.79E-01	1.39E+00	1.33E+00	1.67E+01
5111	479363.09	3864377.25	1.28208	0.8344	1.71093	1.33365	7.69082	1.19181	0.83693	0.8344	1.31E+01	3.76E-01	4.34E-05	6.90E-02	3.54E+00	1.65E-01	1.44E+00	1.38E+00	1.74E+01
5112	479863.09	3864377.25	1.37254	0.85521	1.99414	1.40495	7.67223	1.32291	0.85809	0.85521	1.41E+01	3.85E-01	5.06E-05	7.27E-02	3.54E+00	1.83E-01	1.48E+00	1.42E+00	1.83E+01
5113	480363.09	3864377.25	1.50907	0.87108	2.60875	1.2667	8.72638	1.40188	0.87427	0.87108	1.55E+01	3.92E-01	6.62E-05	6.56E-02	4.02E+00	1.94E-01	1.51E+00	1.44E+00	2.02E+01
5114	480863.09	3864377.25	1.64367	0.93468	2.97502	1.61917	7.84155	1.21213	0.90079	0.93468	1.69E+01	4.21E-01	7.55E-05	8.38E-02	3.61E+00	1.68E-01	1.56E+00	1.55E+00	2.11E+01
5115	481363.09	3864377.25	1.76242	1.2021	2.34959	2.09894	5.59203	1.20288	0.94503	1.2021	1.81E+01	5.41E-01	5.96E-05	1.09E-01	2.58E+00	1.66E-01	1.63E+00	1.99E+00	2.11E+01
5116	481863.09	3864377.25	2.2253	1.17209	2.56646	1.9402	4.52076	1.38747	0.94087	1.17209	2.28E+01	5.27E-01	6.51E-05	1.00E-01	2.08E+00	1.92E-01	1.62E+00	1.94E+00	2.54E+01
5117	482363.09	3864377.25	2.84643	0.96142	2.7214	1.71193	6.18639	1.43346	0.96415	0.96142	2.92E+01	4.33E-01	6.90E-05	8.86E-02	2.85E+00	1.98E-01	1.66E+00	1.59E+00	3.28E+01
5118	482863.09	3864377.25	3.10886	0.9896	2.25841	2.45429	6.4029	1.34637	0.99204	0.9896	3.19E+01	4.45E-01	5.73E-05	1.27E-01	2.95E+00	1.86E-01	1.71E+00	1.64E+00	3.57E+01
5119	483363.09	3864377.25	2.98775	1.02163	3.10395	2.65573	6.7213	1.29989	1.0237	1.02163	3.06E+01	4.60E-01	7.87E-05	1.37E-01	3.10E+00	1.80E-01	1.77E+00	1.69E+00	3.46E+01
5120	483863.09	3864377.25	2.63048	1.05572	2.6347	2.03271	6.13044	1.33582	1.0575	1.05572	2.70E+01	4.75E-01	6.68E-05	1.05E-01	2.83E+00	1.85E-01	1.83E+00	1.75E+00	3.06E+01
5121	484363.09	3864377.25	2.3118	1.09028	3.06599	2.24028	6.99493	1.3728	1.09165	1.09028	2.37E+01	4.91E-01	7.78E-05	1.16E-01	3.22E+00	1.90E-01	1.88E+00	1.81E+00	2.78E+01
5122	484863.09	3864377.25	2.15842	1.11479	3.22092	2.31065	5.54062	1.45815	1.11565	1.11479	2.21E+01	5.02E-01	8.17E-05	1.20E-01	2.55E+00	2.02E-01	1.93E+00	1.85E+00	2.56E+01
5123	485363.09	3864377.25	2.29723	1.12973	2.41448	2.02431	6.99284	2.19784	1.1301	1.12973	2.36E+01	5.08E-01	6.13E-05	1.05E-01	3.22E+00	3.04E-01	1.95E+00	1.87E+00	2.78E+01
5124	485863.09	3864377.25	2.74888	1.12634	1.99822	1.89025	6.69661	3.01182	1.12612	1.12634	2.82E+01	5.07E-01	5.07E-05	9.79E-02	3.09E+00	4.16E-01	1.94E+00	1.87E+00	3.24E+01
5125	486363.09	3864377.25	2.94341	1.09086	3.66274	2.24347	10.37065	2.82434	1.08995	1.09086	3.02E+01	4.91E-01	9.29E-05	1.16E-01	4.78E+00	3.90E-01	1.88E+00	1.81E+00	3.60E+01
5126	486863.09	3864377.25	2.93171	1.01418	2.84437	2.84621	19.81269	3.43045	1.01256	1.01418	3.01E+01	4.56E-01	7.22E-05	1.47E-01	9.13E+00	4.74E-01	1.75E+00	1.68E+00	4.03E+01
5127	487363.09	3864377.25	3.40621	0.89626	3.05624	2.74718	11.97688	3.11675	0.89381	0.89626	3.49E+01	4.03E-01	7.75E-05	1.42E-01	5.52E+00	4.31E-01	1.54E+00	1.49E+00	4.15E+01
5128	487863.09	3864377.25	2.85562	0.88715	2.21075	3.14848	5.05217	2.96316	0.89198	0.88715	2.93E+01	3.99E-01	5.61E-05	1.63E-01	2.33E+00	4.10E-01	1.54E+00	1.47E+00	3.27E+01
5129	488363.09	3864377.25	2.50061	0.89982	2.59803	4.03408	4.59463	2.06979	0.90503	0.89982	2.56E+01	4.05E-01	6.59E-05	2.09E-01	2.12E+00	2.86E-01	1.56E+00	1.49E+00	2.87E+01

5130	488863.09	3864377.25	3.74828	0.98956	3.24688	11.4728	3.4383	2.52099	0.94616	0.98956	3.84E+01	4.45E-01	8.24E-05	5.94E-01	1.58E+00	3.49E-01	1.63E+00	1.64E+00	4.14E+01
5131	489363.09	3864377.25	4.96919	1.05956	3.70237	5.92555	8.28857	2.27307	1.04379	1.05956	5.10E+01	4.77E-01	9.39E-05	3.07E-01	3.82E+00	3.14E-01	1.80E+00	1.76E+00	5.59E+01
5132	489863.09	3864377.25	6.65795	1.09726	2.15384	4.53563	9.56177	2.7243	1.10144	1.09726	6.83E+01	4.94E-01	5.46E-05	2.35E-01	4.41E+00	3.77E-01	1.90E+00	1.82E+00	7.39E+01
5133	490363.09	3864377.25	8.43628	1.02678	1.9564	3.04172	3.70397	2.8539	1.02962	1.02678	8.65E+01	4.62E-01	4.96E-05	1.57E-01	1.71E+00	3.95E-01	1.78E+00	1.70E+00	8.93E+01
5134	490863.09	3864377.25	8.85253	1.23616	2.99792	2.74615	3.42885	2.69845	1.00177	1.23616	9.08E+01	5.56E-01	7.61E-05	1.42E-01	1.58E+00	3.73E-01	1.73E+00	2.05E+00	9.31E+01
5135	491363.09	3864377.25	7.93022	1.50507	2.10742	2.82324	8.66616	4.15559	0.9257	1.50507	8.13E+01	6.77E-01	5.35E-05	1.46E-01	3.99E+00	5.75E-01	1.60E+00	2.49E+00	8.58E+01
5136	491863.09	3864377.25	7.06882	1.11678	1.21349	1.94577	11.8035	1.15245	1.37581	1.11678	7.25E+01	5.03E-01	3.08E-05	1.01E-01	5.44E+00	1.59E-01	2.38E+00	1.85E+00	7.92E+01
5137	492363.09	3864377.25	6.01274	1.35132	2.82884	3.41851	24.58652	2.22826	1.61095	1.35132	6.17E+01	6.08E-01	7.18E-05	1.77E-01	1.13E+01	3.08E-01	2.78E+00	2.24E+00	7.46E+01
5138	492863.09	3864377.25	3.8288	1.01184	1.44221	2.48513	6.748	1.514	1.58892	1.01184	3.93E+01	4.55E-01	3.66E-05	1.29E-01	3.11E+00	2.09E-01	2.74E+00	1.68E+00	4.42E+01
5139	493363.09	3864377.25	3.10217	1.31793	2.70573	3.50718	14.94147	1.94771	1.56953	1.31793	3.18E+01	5.93E-01	6.86E-05	1.82E-01	6.89E+00	2.69E-01	2.71E+00	2.18E+00	4.03E+01
5140	493863.09	3864377.25	3.15891	1.53042	3.26078	3.39606	11.47853	2.26812	1.50996	1.53042	3.24E+01	6.89E-01	8.27E-05	1.76E-01	5.29E+00	3.14E-01	2.61E+00	2.54E+00	3.89E+01
5141	494363.09	3864377.25	3.00891	1.81008	3.72455	2.64052	5.26683	2.63219	1.55548	1.81008	3.09E+01	8.15E-01	9.45E-05	1.37E-01	2.43E+00	3.64E-01	2.69E+00	3.00E+00	3.43E+01
5142	494863.09	3864377.25	2.54956	1.80833	3.71158	2.65425	3.83229	1.58556	1.83487	1.80833	2.61E+01	8.14E-01	9.42E-05	1.37E-01	1.77E+00	2.19E-01	3.17E+00	3.00E+00	2.93E+01
5143	495363.09	3864377.25	2.80179	1.50136	3.35073	2.95712	4.94551	1.8485	2.08878	1.50136	2.87E+01	6.76E-01	8.50E-05	1.53E-01	2.28E+00	2.56E-01	3.61E+00	2.49E+00	3.32E+01
5144	495863.09	3864377.25	3.11689	1.61674	3.16974	2.94042	5.05156	2.32149	2.15551	1.61674	3.20E+01	7.28E-01	8.04E-05	1.52E-01	2.33E+00	3.21E-01	3.72E+00	2.68E+00	3.65E+01
5145	496363.09	3864377.25	3.25819	1.90644	3.07434	2.22013	4.25828	2.09243	2.20878	1.90644	3.34E+01	8.58E-01	7.80E-05	1.15E-01	1.96E+00	2.89E-01	3.81E+00	3.16E+00	3.73E+01
5146	496863.09	3864377.25	3.58001	2.30287	4.4009	2.02944	3.42115	1.95724	2.1056	2.30287	3.67E+01	1.04E+00	1.12E-04	1.05E-01	1.58E+00	2.71E-01	3.64E+00	3.82E+00	3.95E+01
5147	497363.09	3864377.25	3.87173	3.0798	4.86537	2.66352	3.65115	2.08717	3.09382	3.0798	3.97E+01	1.39E+00	1.23E-04	1.38E-01	1.68E+00	2.89E-01	5.34E+00	5.10E+00	4.34E+01
5148	497863.09	3864377.25	4.1627	2.98293	6.33905	2.94873	5.1537	2.2386	3.28653	2.98293	4.27E+01	1.34E+00	1.61E-04	1.53E-01	2.38E+00	3.09E-01	5.67E+00	4.94E+00	4.76E+01
5149	498363.09	3864377.25	3.99896	3.28357	6.02351	2.42789	5.32958	2.39692	2.952	3.28357	4.10E+01	1.48E+00	1.53E-04	1.26E-01	2.46E+00	3.31E-01	5.10E+00	5.44E+00	4.51E+01
5150	471363.09	3864877.25	1.21398	0.5813	1.57531	0.96846	4.23917	1.40815	0.58451	0.5813	1.24E+01	2.62E-01	4.00E-05	5.01E-02	1.95E+00	1.95E-01	1.01E+00	9.63E-01	1.50E+01
5151	471863.09	3864877.25	1.25308	0.59566	1.31194	0.93448	3.68263	1.45183	0.59898	0.59566	1.28E+01	2.68E-01	3.33E-05	4.84E-02	1.70E+00	2.01E-01	1.03E+00	9.87E-01	1.51E+01
5152	472363.09	3864877.25	1.27705	0.61032	1.44238	0.98082	3.0979	1.49411	0.6135	0.61032	1.31E+01	2.75E-01	3.66E-05	5.08E-02	1.43E+00	2.07E-01	1.06E+00	1.01E+00	1.51E+01
5153	472863.09	3864877.25	1.28401	0.61099	1.7369	1.13744	3.50723	1.52395	0.61374	0.61099	1.32E+01	2.75E-01	4.41E-05	5.89E-02	1.62E+00	2.11E-01	1.06E+00	1.01E+00	1.54E+01
5154	473363.09	3864877.25	1.2614	0.58834	1.84759	1.22007	3.70348	1.53544	0.5897	0.58834	1.29E+01	2.65E-01	4.69E-05	6.32E-02	1.71E+00	2.12E-01	1.02E+00	9.75E-01	1.52E+01
5155	473863.09	3864877.25	1.28224	0.60464	1.78436	1.31438	3.51423	1.51725	0.60642	0.60464	1.31E+01	2.72E-01	4.53E-05	6.80E-02	1.62E+00	2.10E-01	1.05E+00	1.00E+00	1.54E+01
5156	474363.09	3864877.25	1.41664	0.63029	1.77346	1.34519	3.7113	1.47129	0.63233	0.63029	1.45E+01	2.84E-01	4.50E-05	6.96E-02	1.71E+00	2.03E-01	1.09E+00	1.04E+00	1.68E+01
5157	474863.09	3864877.25	1.51587	0.65508	1.90112	1.31543	3.82559	1.40784	0.65723	0.65508	1.55E+01	2.95E-01	4.82E-05	6.81E-02	1.76E+00	1.95E-01	1.13E+00	1.09E+00	1.79E+01
5158	475363.09	3864877.25	1.56785	0.67806	2.03963	1.25805	3.85016	1.33675	0.68039	0.67806	1.61E+01	3.05E-01	5.17E-05	6.51E-02	1.77E+00	1.85E-01	1.17E+00	1.12E+00	1.85E+01
5159	475863.09	3864877.25	1.55301	0.70028	1.90183	1.2132	4.4725	1.26704	0.70275	0.70028	1.59E+01	3.15E-01	4.82E-05	6.28E-02	2.06E+00	1.75E-01	1.21E+00	1.16E+00	1.86E+01
5160	476363.09	3864877.25	1.48312	0.7185	1.92939	1.07365	6.08005	1.20407	0.72138	0.7185	1.52E+01	3.23E-01	4.89E-05	5.56E-02	2.80E+00	1.66E-01	1.25E+00	1.19E+00	1.86E+01
5161	476863.09	3864877.25	1.38748	0.72386	1.92502	1.06803	6.98619	1.14635	0.72808	0.72386	1.42E+01	3.26E-01	4.88E-05	5.53E-02	3.22E+00	1.58E-01	1.26E+00	1.20E+00	1.80E+01
5162	477363.09	3864877.25	1.27527	0.74753	1.72376	1.23243	5.97854	1.15799	0.75111	0.74753	1.31E+01	3.36E-01	4.37E-05	6.38E-02	2.76E+00	1.60E-01	1.30E+00	1.24E+00	1.65E+01
5163	477863.09	3864877.25	1.20679	0.76567	1.44005	1.33265	4.83887	1.26195	0.76936	0.76567	1.24E+01	3.45E-01	3.65E-05	6.90E-02	2.23E+00	1.74E-01	1.33E+00	1.27E+00	1.53E+01
5164	478363.09	3864877.25	1.19252	0.78406	1.39723	1.27167	7.07695	1.25454	0.7878	0.78406	1.22E+01	3.53E-01	3.54E-05	6.58E-02	3.26E+00	1.73E-01	1.36E+00	1.30E+00	1.61E+01
5165	478863.09	3864877.25	1.23001	0.80305	1.6247	1.35015	7.23698	1.19664	0.80671	0.80305	1.26E+01	3.61E-01	4.12E-05	6.99E-02	3.34E+00	1.65E-01	1.39E+00	1.33E+00	1.66E+01
5166	479363.09	3864877.25	1.31199	0.82266	1.80612	1.27067	7.14328	1.32516	0.82607	0.82266	1.35E+01	3.70E-01	4.58E-05	6.58E-02	3.29E+00	1.83E-01	1.43E+00	1.36E+00	1.74E+01
5167	479863.09	3864877.25	1.42918	0.84207	2.32966	1.30675	7.98138	1.33307	0.84517	0.84207	1.47E+01	3.79E-01	5.91E-05	6.76E-02	3.68E+00	1.84E-01	1.46E+00	1.40E+00	1.90E+01
5168	480363.09	3864877.25	1.57047	0.8624	2.68842	1.83244	7.23519	1.13795	0.8652	0.8624	1.61E+01	3.88E-01	6.82E-05	9.49E-02	3.33E+00	1.57E-01	1.49E+00	1.43E+00	2.01E+01
5169	480863.09	3864877.25	1.66861	0.94079	2.12533	2.02985	5.26798	1.10426	0.88195	0.94079	1.71E+01	4.23E-01	5.39E-05	1.05E-01	2.43E+00	1.53E-01	1.52E+00	1.56E+00	2.02E+01
5170	481363.09	3864877.25	1.71514	1.17952	1.79744	1.65262	4.04611	1.04806	0.91605	1.17952	1.76E+01	5.31E-01	4.56E-05	8.56E-02	1.86E+00	1.45E-01	1.58E+00	1.95E+00	1.98E+01
5171	481863.09	3864877.25	2.28138	1.09584	2.52682	1.79612	5.25393	1.34737	0.90355	1.09584	2.34E+01	4.93E-01	6.41E-05	9.30E-02	2.42E+00	1.86E-01	1.56E+00	1.82E+00	2.63E+01
5172	482363.09	3864877.25	2.85182	0.90901	2.53233	2.46353	5.99327	1.37486	0.90966	0.90901	2.92E+01	4.09E-01	6.42E-05	1.28E-01	2.76E+00	1.90E-01	1.57E+00	1.51E+00	3.28E+01
5173	482863.09	3864877.25	3.07415	0.90139	2.29559	2.50152	6.54586	1.29616	0.90137	0.90139	3.15E+01	4.06E-01	5.82E-05	1.29E-01	3.02E+00	1.79E-01	1.56E+00	1.49E+00	3.53E+01
5174	483363.09	3864877.25	2.92162	0.87365	3.02384	1.8609	5.44175	1.26917	0.87282	0.87365	3.00E+01	3.93E-01	7.67E-05	9.63E-02	2.51E+00	1.75E-01	1.51E+00	1.45E+00	3.32E+01
5175	483863.09	3864877.25	2.56288	0.82009	2.75533	2.02686	5.46056	1.29918	0.81853	0.82009	2.63E+01	3.69E-01	6.99E-05	1.05E-01	2.52E+00	1.80E-01	1.41E+00	1.36E+00	2.95E+01
5176	484363.09	3864877.25	2.26608	0.77686	2.88016	2.11732	6.42606	1.33738	0.77871	0.77686	2.32E+01	3.50E-01	7.31E-05	1.10E-01	2.96E+00	1.85E-01	1.34E+00	1.29E+00	2.69E+01
5177	484863.09	3864877.25	2.15664	0.78458	1.99766	1.88293	4.81261	1.48284	0.78206	0.78458	2.21E+01	3.53E-01	5.07E-05	9.75E-02	2.22E+00	2.05E-01	1.35E+00	1.30E+00	2.50E+01
5178	485363.09	3864877.25	2.3423	0.78661	1.84733	1.72034	6.65722	2.30511	0.78671	0.78661	2.40E+01	3.54E-01	4.69E-05	8.91E-02	3.07E+00	3.19E-01	1.36E+00	1.30E+00	2.79E+01
5179	485863.09	3864877.25	2.78389	0.79205	1.89453	1.95167	5.64171	2.93642	0.79833	0.79205	2.85E+01	3.56E-01	4.81E-05	1.01E-01	2.60E+00	4.06E-01	1.38E+00	1.31E+00	3.21E+01
5180	486363.09	3864877.25	2.91289	0.81051	3.59663	2.44229	11.78561	2.79452	0.81675	0.81051	2.99E+01	3.65E-01	9.12E-05	1.26E-01	5.43E+00	3.86E-01	1.41E+00	1.34E+00	3.62E+01
5181	486863.09	3864877.25	2.98638	0.83931	2.44831	2.63104	19.2823	3.43697	0.84544	0.83931	3.06E+01	3.78E-01	6.21E-05	1.36E-01	8.89E+00	4.75E-01	1.46E+00	1.39E+00	4.06E+01
5182	487363.09	3864877.25	3.36793	0.87825	2.61015	2.59959	10.21623	2.99397	0.88414	0.87825	3.45E+01	3.95E-01	6.62E-05	1.35E-01	4.71E+00	4.14E-01	1.53E+00	1.46E+00	4.03E+01
5183	487863.09	3864877.25	2.69001	0.91658	2.64071	3.22706	4.67513	2.62821	0.92198	0.91658	2.76E+01	4.13E-01	6.70E-05	1.67E-01	2.15E+00	3.63E-01	1.59E+00	1.52E+00	3.08E+01
5184	488363.09	3864877.25	2.16979	0.92931	1.71146	4.53474	4.29979	1.85872	0.9339	0.92931	2.22E+01	4.18E-01	4.34E-05	2.35E-01	1.98E+00	2.57E-01	1.61E+00	1.54E+00	2.52E+01
5185	488863.09	3864877.25	2.8889	0.9051	3.50409	11.57701	2.4328	2.28304	0.88257	0.9051	2.96E+01	4.07E-01	8.89E-05	5.99E-01	1.12E+00	3.16E-01	1.52E+00	1.50E+00	3.21E+01
5186	489363.09	3864877.25	4.0611	0.90782	3.18729	4.76194	6.67756	2.17968	0.86573	0.90782	4.16E+01	4.09E-01	8.09E-05	2.47E-01	3.08E+00	3.01E-01	1.49E+00	1.50E+00	4.57E+01
5187	489863.09	3864877.25	5.37862	1.02917	1.91158	4.45082	9.48462	2.05811	0.90319	1.02917	5.52E+01	4.63E-01	4.85E-05	2.30E-01	4.37E+00	2.85E-01	1.56E+00	1.71E+00	6.04E+01
5188	490363.09	3864877.25	7.10848	0.97873	1.41571	3.10605	5.19393	2.61625	0.98407	0.97873	7.29E+01	4.40E-01	3.59E-05	1.61E-01	2.39E+00	3.62E-01	1.70E+00	1.62E+00	7.63E+01

5189	490863.09	3864877.25	9.47845	1.57405	2.61724	2.83634	2.84221	4.73311	0.87774	1.57405	9.72E+01	7.08E-01	6.64E-05	1.47E-01	1.31E+00	6.54E-01	1.52E+00	2.61E+00	9.89E+01
5190	491363.09	3864877.25	8.61499	1.22283	2.64888	2.68953	4.8935	3.46957	0.91151	1.22283	8.83E+01	5.50E-01	6.72E-05	1.39E-01	2.26E+00	4.80E-01	1.57E+00	2.03E+00	9.13E+01
5191	491863.09	3864877.25	7.20607	2.20779	1.45689	2.6495	11.62321	3.98349	1.15563	2.20779	7.39E+01	9.94E-01	3.70E-05	1.37E-01	5.36E+00	5.51E-01	2.00E+00	3.66E+00	7.93E+01
5192	492363.09	3864877.25	3.80269	0.69707	1.08965	1.07265	5.85331	1.03674	0.74239	0.69707	3.90E+01	3.14E-01	2.76E-05	5.55E-02	2.70E+00	1.43E-01	1.28E+00	1.16E+00	4.23E+01
5193	492863.09	3864877.25	4.43865	0.82919	1.20914	1.48176	9.04539	1.04938	1.14349	0.82919	4.55E+01	3.73E-01	3.07E-05	7.67E-02	4.17E+00	1.45E-01	1.97E+00	1.37E+00	5.09E+01
5194	493363.09	3864877.25	2.53722	0.88269	1.35515	1.52224	4.59641	1.23668	0.88812	0.88269	2.60E+01	3.97E-01	3.44E-05	7.88E-02	2.12E+00	1.71E-01	1.53E+00	1.46E+00	2.89E+01
5195	493863.09	3864877.25	2.89796	1.20138	2.53258	3.50069	14.44203	1.89542	1.47314	1.20138	2.97E+01	5.41E-01	6.42E-05	1.81E-01	6.66E+00	2.62E-01	2.54E+00	1.99E+00	3.79E+01
5196	494363.09	3864877.25	2.93256	1.4298	3.06007	3.13222	9.19182	2.31997	1.39972	1.4298	3.01E+01	6.43E-01	7.76E-05	1.62E-01	4.24E+00	3.21E-01	2.42E+00	2.37E+00	3.55E+01
5197	494863.09	3864877.25	2.87385	1.67108	3.43192	2.38132	4.3749	1.71569	1.32228	1.67108	2.95E+01	7.52E-01	8.71E-05	1.23E-01	2.02E+00	2.37E-01	2.28E+00	2.77E+00	3.21E+01
5198	495363.09	3864877.25	2.50108	1.65919	3.52021	2.40654	3.46595	1.54522	1.67277	1.65919	2.56E+01	7.47E-01	8.93E-05	1.25E-01	1.60E+00	2.14E-01	2.89E+00	2.75E+00	2.85E+01
5199	495863.09	3864877.25	2.41533	1.38033	3.13078	2.45317	4.50849	1.53759	1.75843	1.38033	2.48E+01	6.21E-01	7.94E-05	1.27E-01	2.08E+00	2.13E-01	3.04E+00	2.29E+00	2.86E+01
5200	496363.09	3864877.25	2.83615	1.4606	3.02923	2.9113	4.59198	2.02921	1.99616	1.4606	2.91E+01	6.57E-01	7.68E-05	1.51E-01	2.12E+00	2.81E-01	3.45E+00	2.42E+00	3.33E+01
5201	496863.09	3864877.25	3.06633	1.76011	2.41616	2.14588	4.16238	2.16743	2.08372	1.76011	3.14E+01	7.92E-01	6.13E-05	1.11E-01	1.92E+00	3.00E-01	3.60E+00	2.92E+00	3.52E+01
5202	497363.09	3864877.25	3.10237	1.73818	3.54703	1.97537	3.13494	1.87164	1.97631	1.73818	3.18E+01	7.82E-01	9.00E-05	1.02E-01	1.44E+00	2.59E-01	3.41E+00	2.88E+00	3.49E+01
5203	497863.09	3864877.25	3.53122	2.65293	4.24932	2.04138	2.87223	1.92371	2.49528	2.65293	3.62E+01	1.19E+00	1.08E-04	1.06E-01	1.32E+00	2.66E-01	4.31E+00	4.40E+00	3.90E+01
5204	498363.09	3864877.25	3.77135	2.8158	5.00816	2.63985	4.23439	1.93311	2.97121	2.8158	3.87E+01	1.27E+00	1.27E-04	1.37E-01	1.95E+00	2.67E-01	5.13E+00	4.67E+00	4.28E+01
5205	471363.09	3865377.25	1.20753	0.57138	1.22681	0.96101	2.86348	1.48294	0.57341	0.57138	1.24E+01	2.57E-01	3.11E-05	4.97E-02	1.32E+00	2.05E-01	9.90E-01	9.47E-01	1.43E+01
5206	471863.09	3865377.25	1.20944	0.58621	1.36266	1.08176	3.32848	1.47659	0.58835	0.58621	1.24E+01	2.64E-01	3.46E-05	5.60E-02	1.53E+00	2.04E-01	1.02E+00	9.71E-01	1.45E+01
5207	472363.09	3865377.25	1.1933	0.59971	1.64915	1.15207	3.58665	1.44878	0.60169	0.59971	1.22E+01	2.70E-01	4.18E-05	5.96E-02	1.65E+00	2.00E-01	1.04E+00	9.94E-01	1.45E+01
5208	472863.09	3865377.25	1.18505	0.60209	1.75507	1.23473	3.50786	1.40006	0.60436	0.60209	1.22E+01	2.71E-01	4.45E-05	6.39E-02	1.62E+00	1.94E-01	1.04E+00	9.98E-01	1.43E+01
5209	473363.09	3865377.25	1.24232	0.62723	1.72737	1.22031	3.5163	1.34372	0.63058	0.62723	1.27E+01	2.82E-01	4.38E-05	6.32E-02	1.62E+00	1.86E-01	1.09E+00	1.04E+00	1.49E+01
5210	473863.09	3865377.25	1.36302	0.64526	1.70806	1.18009	3.55605	1.2779	0.64848	0.64526	1.40E+01	2.90E-01	4.33E-05	6.11E-02	1.64E+00	1.77E-01	1.12E+00	1.07E+00	1.62E+01
5211	474363.09	3865377.25	1.45264	0.66058	1.79853	1.14204	3.60518	1.21376	0.66403	0.66058	1.49E+01	2.97E-01	4.56E-05	5.91E-02	1.66E+00	1.68E-01	1.15E+00	1.09E+00	1.71E+01
5212	474863.09	3865377.25	1.5019	0.67354	1.89852	1.08584	3.72473	1.15548	0.67725	0.67354	1.54E+01	3.03E-01	4.82E-05	5.62E-02	1.72E+00	1.60E-01	1.17E+00	1.12E+00	1.77E+01
5213	475363.09	3865377.25	1.48056	0.68937	1.73383	0.98082	4.89891	1.09482	0.69316	0.68937	1.52E+01	3.10E-01	4.40E-05	5.08E-02	2.26E+00	1.51E-01	1.20E+00	1.14E+00	1.80E+01
5214	475863.09	3865377.25	1.41481	0.70247	1.59314	0.94819	6.34873	1.04506	0.70631	0.70247	1.45E+01	3.16E-01	4.04E-05	4.91E-02	2.93E+00	1.44E-01	1.22E+00	1.16E+00	1.80E+01
5215	476363.09	3865377.25	1.35765	0.65609	1.68998	1.19968	6.82977	1.06291	0.66378	0.65609	1.39E+01	2.95E-01	4.29E-05	6.21E-02	3.15E+00	1.47E-01	1.15E+00	1.09E+00	1.76E+01
5216	476863.09	3865377.25	1.30789	0.70634	1.4975	1.33957	5.61565	1.15047	0.7137	0.70634	1.34E+01	3.18E-01	3.80E-05	6.93E-02	2.59E+00	1.59E-01	1.23E+00	1.17E+00	1.66E+01
5217	477363.09	3865377.25	1.1951	0.70249	1.14573	1.2874	5.51453	1.24307	0.70811	0.70249	1.23E+01	3.16E-01	2.91E-05	6.66E-02	2.54E+00	1.72E-01	1.22E+00	1.16E+00	1.54E+01
5218	477863.09	3865377.25	1.1553	0.75641	1.32215	1.29707	7.11133	1.18577	0.7596	0.75641	1.18E+01	3.40E-01	3.35E-05	6.71E-02	3.28E+00	1.64E-01	1.31E+00	1.25E+00	1.58E+01
5219	478363.09	3865377.25	1.19279	0.76802	1.65293	1.28029	6.81858	1.21359	0.77081	0.76802	1.22E+01	3.46E-01	4.19E-05	6.63E-02	3.14E+00	1.68E-01	1.33E+00	1.27E+00	1.60E+01
5220	478863.09	3865377.25	1.26437	0.77079	1.63371	1.10973	6.68666	1.3087	0.77294	0.77079	1.30E+01	3.47E-01	4.14E-05	5.74E-02	3.08E+00	1.81E-01	1.33E+00	1.28E+00	1.67E+01
5221	479363.09	3865377.25	1.37036	0.76349	2.13301	1.43957	7.37947	1.26567	0.76503	0.76349	1.41E+01	3.44E-01	5.41E-05	7.45E-02	3.40E+00	1.75E-01	1.32E+00	1.27E+00	1.81E+01
5222	479863.09	3865377.25	1.49609	0.75561	2.40152	1.92064	6.67535	1.07539	0.75657	0.75561	1.53E+01	3.40E-01	6.09E-05	9.94E-02	3.08E+00	1.49E-01	1.31E+00	1.25E+00	1.91E+01
5223	480363.09	3865377.25	1.58275	0.77221	1.92063	1.85865	4.96305	1.01868	0.75714	0.77221	1.62E+01	3.48E-01	4.87E-05	9.62E-02	2.29E+00	1.41E-01	1.31E+00	1.28E+00	1.91E+01
5224	480863.09	3865377.25	1.6219	0.94294	1.70452	1.36007	3.59125	0.97332	0.83379	0.94294	1.66E+01	4.24E-01	4.32E-05	7.04E-02	1.65E+00	1.35E-01	1.44E+00	1.56E+00	1.88E+01
5225	481363.09	3865377.25	1.62299	1.14808	1.61637	1.90277	4.38827	1.01484	0.88401	1.14808	1.66E+01	5.17E-01	4.10E-05	9.85E-02	2.02E+00	1.40E-01	1.53E+00	1.90E+00	1.90E+01
5226	481863.09	3865377.25	2.33899	1.03454	2.48096	2.44133	5.63665	1.31801	0.78018	1.03454	2.40E+01	4.66E-01	6.29E-05	1.26E-01	2.60E+00	1.82E-01	1.35E+00	1.71E+00	2.70E+01
5227	482363.09	3865377.25	2.85966	0.82539	2.39219	2.32199	5.94156	1.32572	0.76669	0.82539	2.93E+01	3.71E-01	6.07E-05	1.20E-01	2.74E+00	1.83E-01	1.32E+00	1.37E+00	3.27E+01
5228	482863.09	3865377.25	3.03378	0.76379	2.32997	1.70657	5.27421	1.25067	0.77005	0.76379	3.11E+01	3.44E-01	5.91E-05	8.83E-02	2.43E+00	1.73E-01	1.33E+00	1.27E+00	3.42E+01
5229	483363.09	3865377.25	2.85113	0.76921	2.89264	1.84906	5.23373	1.23639	0.77548	0.76921	2.92E+01	3.46E-01	7.34E-05	9.57E-02	2.41E+00	1.71E-01	1.34E+00	1.27E+00	3.23E+01
5230	483863.09	3865377.25	2.50633	0.77897	2.57081	1.94689	5.97616	1.27291	0.78521	0.77897	2.57E+01	3.51E-01	6.52E-05	1.01E-01	2.75E+00	1.76E-01	1.36E+00	1.29E+00	2.91E+01
5231	484363.09	3865377.25	2.23131	0.79295	1.84343	1.75721	5.08804	1.3137	0.79911	0.79295	2.29E+01	3.57E-01	4.68E-05	9.10E-02	2.34E+00	1.82E-01	1.38E+00	1.31E+00	2.59E+01
5232	484863.09	3865377.25	2.16324	0.81321	2.0093	1.56139	5.48551	1.52901	0.81922	0.81321	2.22E+01	3.66E-01	5.10E-05	8.08E-02	2.53E+00	2.11E-01	1.41E+00	1.35E+00	2.54E+01
5233	485363.09	3865377.25	2.38489	0.83952	1.27118	1.71508	5.87947	2.37721	0.84528	0.83952	2.45E+01	3.78E-01	3.22E-05	8.88E-02	2.71E+00	3.29E-01	1.46E+00	1.39E+00	2.80E+01
5234	485863.09	3865377.25	2.80852	0.86606	2.4044	2.10258	4.44303	2.85971	0.87143	0.86606	2.88E+01	3.90E-01	6.10E-05	1.09E-01	2.05E+00	3.95E-01	1.50E+00	1.44E+00	3.18E+01
5235	486363.09	3865377.25	2.89785	0.87564	3.479	2.45613	13.09247	2.80998	0.88035	0.87564	2.97E+01	3.94E-01	8.83E-05	1.27E-01	6.03E+00	3.88E-01	1.52E+00	1.45E+00	3.67E+01
5236	486863.09	3865377.25	3.04585	0.84833	2.37794	2.25314	18.48625	3.40244	0.85213	0.84833	3.12E+01	3.82E-01	6.03E-05	1.17E-01	8.52E+00	4.70E-01	1.47E+00	1.41E+00	4.08E+01
5237	487363.09	3865377.25	3.318	0.76201	1.62288	2.59038	8.73009	2.94148	0.83224	0.76201	3.40E+01	3.43E-01	4.12E-05	1.34E-01	4.02E+00	4.07E-01	1.44E+00	1.26E+00	3.91E+01
5238	487863.09	3865377.25	2.53261	0.75797	2.52014	3.11968	4.3514	2.31548	0.8153	0.75797	2.60E+01	3.41E-01	6.39E-05	1.61E-01	2.01E+00	3.20E-01	1.41E+00	1.26E+00	2.89E+01
5239	488363.09	3865377.25	1.98842	0.78293	1.38412	5.40424	4.02204	1.65594	0.78699	0.78293	2.04E+01	3.52E-01	3.51E-05	2.80E-01	1.85E+00	2.29E-01	1.36E+00	1.30E+00	2.32E+01
5240	488863.09	3865377.25	2.38783	0.83256	3.62534	10.79713	2.46953	2.04056	0.83675	0.83256	2.45E+01	3.75E-01	9.20E-05	5.59E-01	1.14E+00	2.82E-01	1.44E+00	1.38E+00	2.69E+01
5241	489363.09	3865377.25	3.25406	0.92398	2.77757	4.02035	5.42158	2.10857	0.92818	0.92398	3.34E+01	4.16E-01	7.05E-05	2.08E-01	2.50E+00	2.92E-01	1.60E+00	1.53E+00	3.69E+01
5242	489863.09	3865377.25	4.47267	0.98991	2.16088	4.26362	8.93309	1.71297	0.99344	0.98991	4.59E+01	4.46E-01	5.48E-05	2.21E-01	4.12E+00	2.37E-01	1.72E+00	1.64E+00	5.10E+01
5243	490363.09	3865377.25	6.44308	1.14486	1.65207	3.47941	6.92504	2.82929	0.83091	1.14486	6.61E+01	5.15E-01	4.19E-05	1.80E-01	3.19E+00	3.91E-01	1.43E+00	1.90E+00	6.99E+01
5244	490863.09	3865377.25	8.36328	1.73065	1.71506	2.61189	2.51372	4.65468	0.86617	1.73065	8.58E+01	7.79E-01	4.35E-05	1.35E-01	1.16E+00	6.44E-01	1.50E+00	2.87E+00	8.71E+01
5245	491363.09	3865377.25	9.22406	1.44767	2.9554	1.75266	3.30761	3.78871	0.84824	1.44767	9.46E+01	6.52E-01	7.50E-05	9.07E-02	1.52E+00	5.24E-01	1.46E+00	2.40E+00	9.64E+01
5246	491863.09	3865377.25	8.22231	1.7898	1.82044	2.21087	6.96823	3.84905	0.93023	1.7898	8.43E+01	8.05E-01	4.62E-05	1.14E-01	3.21E+00	5.32E-01	1.61E+00	2.97E+00	8.76E+01
5247	492363.09	3865377.25	6.15752	2.13736	1.18712	2.50539	14.00753	2.21708	1.69776	2.13736	6.31E+01	9.62E-01	3.01E-05	1.30E-01	6.46E+00	3.07E-01	2.93E+00	3.54E+00	7.04E+01

5248	492863.09	3865377.25	6.26797	1.13888	1.32685	1.70977	17.16824	1.136	1.35895	1.13888	6.43E+01	5.13E-01	3.37E-05	8.85E-02	7.91E+00	1.57E-01	2.35E+00	1.89E+00	7.34E+01
5249	493363.09	3865377.25	3.68278	0.77275	1.17565	1.42375	5.5425	1.01518	1.02576	0.77275	3.78E+01	3.48E-01	2.98E-05	7.37E-02	2.55E+00	1.40E-01	1.77E+00	1.28E+00	4.14E+01
5250	493863.09	3865377.25	2.79715	0.98124	1.36736	2.54899	7.26783	1.4514	1.45229	0.98124	2.87E+01	4.42E-01	3.47E-05	1.32E-01	3.35E+00	2.01E-01	2.51E+00	1.63E+00	3.37E+01
5251	494363.09	3865377.25	2.71373	1.09417	2.36431	3.3971	13.24662	1.88539	1.36026	1.09417	2.78E+01	4.92E-01	6.00E-05	1.76E-01	6.10E+00	2.61E-01	2.35E+00	1.81E+00	3.54E+01
5252	494863.09	3865377.25	2.74522	1.35812	2.87354	2.73489	7.78401	2.02808	1.30121	1.35812	2.81E+01	6.11E-01	7.29E-05	1.42E-01	3.59E+00	2.80E-01	2.25E+00	2.25E+00	3.28E+01
5253	495363.09	3865377.25	2.75338	1.54516	3.15207	2.17852	4.00063	1.74134	1.22665	1.54516	2.82E+01	6.95E-01	8.00E-05	1.13E-01	1.84E+00	2.41E-01	2.12E+00	2.56E+00	3.07E+01
5254	495863.09	3865377.25	2.43233	1.57208	3.34091	2.16279	3.14599	1.41907	1.56441	1.57208	2.49E+01	7.08E-01	8.48E-05	1.12E-01	1.45E+00	1.96E-01	2.70E+00	2.60E+00	2.75E+01
5255	496363.09	3865377.25	2.14826	1.4344	3.09513	2.48863	4.17592	1.31704	1.87566	1.4344	2.20E+01	6.46E-01	7.85E-05	1.29E-01	1.92E+00	1.82E-01	3.24E+00	2.38E+00	2.58E+01
5256	496863.09	3865377.25	2.59015	1.3755	3.03216	3.00099	4.18725	1.63592	1.91549	1.3755	2.66E+01	6.19E-01	7.69E-05	1.55E-01	1.93E+00	2.26E-01	3.31E+00	2.28E+00	3.05E+01
5257	497363.09	3865377.25	2.83784	1.62309	2.49623	2.15328	4.01068	2.06464	1.96466	1.62309	2.91E+01	7.30E-01	6.33E-05	1.11E-01	1.85E+00	2.85E-01	3.39E+00	2.69E+00	3.28E+01
5258	497863.09	3865377.25	2.95641	1.56413	2.66908	1.90318	2.86101	1.93849	1.84281	1.56413	3.03E+01	7.04E-01	6.77E-05	9.85E-02	1.32E+00	2.68E-01	3.18E+00	2.59E+00	3.33E+01
5259	498363.09	3865377.25	3.15017	2.40194	3.96101	1.58337	2.8155	1.89006	1.91581	2.40194	3.23E+01	1.08E+00	1.00E-04	8.20E-02	1.30E+00	2.61E-01	3.31E+00	3.98E+00	3.44E+01
5260	471363.09	3865877.25	1.12935	0.57564	1.30757	1.08399	3.44642	1.33971	0.58021	0.57564	1.16E+01	2.59E-01	3.32E-05	5.61E-02	1.59E+00	1.85E-01	1.00E+00	9.54E-01	1.37E+01
5261	471863.09	3865877.25	1.1151	0.59181	1.56439	1.11733	3.37775	1.28391	0.59627	0.59181	1.14E+01	2.66E-01	3.97E-05	5.78E-02	1.56E+00	1.78E-01	1.03E+00	9.81E-01	1.35E+01
5262	472363.09	3865877.25	1.19691	0.59841	1.67538	1.18215	3.40418	1.22139	0.60102	0.59841	1.23E+01	2.69E-01	4.25E-05	6.12E-02	1.57E+00	1.69E-01	1.04E+00	9.92E-01	1.44E+01
5263	472863.09	3865877.25	1.20343	0.61917	1.66485	1.061	3.47926	1.16485	0.62312	0.61917	1.23E+01	2.79E-01	4.22E-05	5.49E-02	1.60E+00	1.61E-01	1.08E+00	1.03E+00	1.45E+01
5264	473363.09	3865877.25	1.31463	0.63258	1.64528	1.03921	3.34121	1.10685	0.63637	0.63258	1.35E+01	2.85E-01	4.17E-05	5.38E-02	1.54E+00	1.53E-01	1.10E+00	1.05E+00	1.56E+01
5265	473863.09	3865877.25	1.39978	0.6429	1.71964	0.97447	3.23113	1.05419	0.64665	0.6429	1.44E+01	2.89E-01	4.36E-05	5.04E-02	1.49E+00	1.46E-01	1.12E+00	1.07E+00	1.64E+01
5266	474363.09	3865877.25	1.43683	0.65249	1.75505	0.89708	3.87321	0.99935	0.65613	0.65249	1.47E+01	2.94E-01	4.45E-05	4.64E-02	1.78E+00	1.38E-01	1.13E+00	1.08E+00	1.70E+01
5267	474863.09	3865877.25	1.42833	0.66075	1.63364	0.91058	5.54122	0.95288	0.6642	0.66075	1.46E+01	2.97E-01	4.14E-05	4.71E-02	2.55E+00	1.32E-01	1.15E+00	1.09E+00	1.77E+01
5268	475363.09	3865877.25	1.36129	0.66665	1.24756	1.10185	6.37802	0.98416	0.66979	0.66665	1.40E+01	3.00E-01	3.16E-05	5.70E-02	2.94E+00	1.36E-01	1.16E+00	1.10E+00	1.74E+01
5269	475863.09	3865877.25	1.27309	0.66965	1.33264	1.22626	5.83537	1.12468	0.6725	0.66965	1.31E+01	3.01E-01	3.38E-05	6.35E-02	2.69E+00	1.55E-01	1.16E+00	1.11E+00	1.63E+01
5270	476363.09	3865877.25	1.24106	0.6376	1.32682	1.27523	4.56388	1.19008	0.64318	0.6376	1.27E+01	2.87E-01	3.37E-05	6.60E-02	2.10E+00	1.65E-01	1.11E+00	1.06E+00	1.54E+01
5271	476863.09	3865877.25	1.21101	0.70431	1.18487	1.29272	6.35091	1.17017	0.71158	0.70431	1.24E+01	3.17E-01	3.01E-05	6.69E-02	2.93E+00	1.62E-01	1.23E+00	1.17E+00	1.60E+01
5272	477363.09	3865877.25	1.16326	0.64121	1.45542	1.31538	7.58647	1.08724	0.64352	0.64121	1.19E+01	2.89E-01	3.69E-05	6.81E-02	3.50E+00	1.50E-01	1.11E+00	1.06E+00	1.60E+01
5273	477863.09	3865877.25	1.16292	0.67604	1.655	1.16105	6.39893	1.23019	0.67845	0.67604	1.19E+01	3.04E-01	4.20E-05	6.01E-02	2.95E+00	1.70E-01	1.17E+00	1.12E+00	1.55E+01
5274	478363.09	3865877.25	1.23109	0.70019	1.493	1.11684	6.30634	1.3067	0.70333	0.70019	1.26E+01	3.15E-01	3.79E-05	5.78E-02	2.91E+00	1.81E-01	1.21E+00	1.16E+00	1.61E+01
5275	478863.09	3865877.25	1.3268	0.71884	2.00193	1.64982	6.88587	1.21894	0.72279	0.71884	1.36E+01	3.24E-01	5.08E-05	8.54E-02	3.17E+00	1.69E-01	1.25E+00	1.19E+00	1.74E+01
5276	479363.09	3865877.25	1.43298	0.731	2.17486	1.90155	6.19652	1.02826	0.73572	0.731	1.47E+01	3.29E-01	5.52E-05	9.84E-02	2.86E+00	1.42E-01	1.27E+00	1.21E+00	1.82E+01
5277	479863.09	3865877.25	1.51222	0.74016	1.76651	1.63929	4.69796	0.94567	0.74555	0.74016	1.55E+01	3.33E-01	4.48E-05	8.49E-02	2.17E+00	1.31E-01	1.29E+00	1.23E+00	1.83E+01
5278	480363.09	3865877.25	1.54848	0.77038	1.54403	1.29626	3.18377	0.91001	0.75228	0.77038	1.59E+01	3.47E-01	3.92E-05	6.71E-02	1.47E+00	1.26E-01	1.30E+00	1.28E+00	1.79E+01
5279	480863.09	3865877.25	1.54783	0.95514	1.29996	1.9936	3.68404	0.91211	0.82765	0.95514	1.59E+01	4.30E-01	3.30E-05	1.03E-01	1.70E+00	1.26E-01	1.43E+00	1.58E+00	1.81E+01
5280	481363.09	3865877.25	1.52959	1.11724	1.56781	2.40162	5.15324	1.03881	0.85534	1.11724	1.57E+01	5.03E-01	3.98E-05	1.24E-01	2.37E+00	1.44E-01	1.48E+00	1.85E+00	1.85E+01
5281	481863.09	3865877.25	2.39357	0.98149	2.42368	2.15015	5.11771	1.29185	0.77196	0.98149	2.45E+01	4.42E-01	6.15E-05	1.11E-01	2.36E+00	1.79E-01	1.33E+00	1.63E+00	2.73E+01
5282	482363.09	3865877.25	2.86805	0.79556	2.29298	1.57303	5.47265	1.2839	0.78341	0.79556	2.94E+01	3.58E-01	5.82E-05	8.14E-02	2.52E+00	1.78E-01	1.35E+00	1.32E+00	3.26E+01
5283	482863.09	3865877.25	2.99779	0.7931	2.36623	1.69324	4.81413	1.21671	0.7991	0.7931	3.07E+01	3.57E-01	6.00E-05	8.77E-02	2.22E+00	1.68E-01	1.38E+00	1.31E+00	3.36E+01
5284	483363.09	3865877.25	2.79108	0.81175	2.75422	1.80194	4.70003	1.21377	0.81753	0.81175	2.86E+01	3.65E-01	6.99E-05	9.33E-02	2.17E+00	1.68E-01	1.41E+00	1.35E+00	3.15E+01
5285	483863.09	3865877.25	2.4617	0.82841	1.84034	1.64794	5.66822	1.2577	0.83381	0.82841	2.52E+01	3.73E-01	4.67E-05	8.53E-02	2.61E+00	1.74E-01	1.44E+00	1.37E+00	2.86E+01
5286	484363.09	3865877.25	2.21398	0.83426	1.33722	1.42367	3.5232	1.31095	0.8391	0.83426	2.27E+01	3.75E-01	3.39E-05	7.37E-02	1.62E+00	1.81E-01	1.45E+00	1.38E+00	2.50E+01
5287	484863.09	3865877.25	2.17294	0.8176	1.81991	1.47702	5.70421	1.58489	0.8217	0.8176	2.23E+01	3.68E-01	4.62E-05	7.65E-02	2.63E+00	2.19E-01	1.42E+00	1.35E+00	2.56E+01
5288	485363.09	3865877.25	2.42686	0.76135	1.96128	1.83317	5.56492	2.42258	0.76451	0.76135	2.49E+01	3.43E-01	4.98E-05	9.49E-02	2.56E+00	3.35E-01	1.32E+00	1.26E+00	2.83E+01
5289	485863.09	3865877.25	2.82456	0.73563	2.02038	2.217	4.57691	2.78934	0.73439	0.73563	2.90E+01	3.31E-01	5.13E-05	1.15E-01	2.11E+00	3.86E-01	1.27E+00	1.22E+00	3.20E+01
5290	486363.09	3865877.25	2.88353	0.73858	3.28163	2.14409	14.13055	2.81921	0.7614	0.73858	2.96E+01	3.32E-01	8.32E-05	1.11E-01	6.51E+00	3.90E-01	1.31E+00	1.22E+00	3.70E+01
5291	486863.09	3865877.25	3.09666	0.73858	2.18909	2.19618	17.44387	3.32079	0.79672	0.73858	3.18E+01	3.32E-01	5.55E-05	1.14E-01	8.04E+00	4.59E-01	1.38E+00	1.22E+00	4.08E+01
5292	487363.09	3865877.25	3.24554	0.73603	1.71974	2.65573	7.44232	2.88772	0.81935	0.73603	3.33E+01	3.31E-01	4.36E-05	1.37E-01	3.43E+00	3.99E-01	1.41E+00	1.22E+00	3.78E+01
5293	487863.09	3865877.25	2.38817	0.79305	2.0455	2.6952	4.07912	2.05572	0.80648	0.79305	2.45E+01	3.57E-01	5.19E-05	1.40E-01	1.88E+00	2.84E-01	1.39E+00	1.31E+00	2.72E+01
5294	488363.09	3865877.25	1.82607	0.87382	1.4346	6.24901	3.75668	1.44889	0.87697	0.87382	1.87E+01	3.93E-01	3.64E-05	3.23E-01	1.73E+00	2.00E-01	1.51E+00	1.45E+00	2.14E+01
5295	488863.09	3865877.25	2.21208	0.88586	3.64344	9.31814	2.53432	1.83047	0.88806	0.88586	2.27E+01	3.99E-01	9.24E-05	4.82E-01	1.17E+00	2.53E-01	1.53E+00	1.47E+00	2.51E+01
5296	489363.09	3865877.25	2.52579	0.8057	2.4595	3.68197	4.30686	2.02392	0.76915	0.8057	2.59E+01	3.63E-01	6.24E-05	1.91E-01	1.98E+00	2.80E-01	1.33E+00	1.33E+00	2.87E+01
5297	489863.09	3865877.25	3.65239	0.83495	2.4084	3.57287	7.86164	1.75699	0.78825	0.83495	3.75E+01	3.76E-01	6.11E-05	1.85E-01	3.62E+00	2.43E-01	1.36E+00	1.38E+00	4.19E+01
5298	490363.09	3865877.25	5.06692	0.93	1.7829	3.55086	7.60155	1.95936	0.8569	0.93	5.20E+01	4.19E-01	4.52E-05	1.84E-01	3.50E+00	2.71E-01	1.48E+00	1.54E+00	5.63E+01
5299	490863.09	3865877.25	6.90534	1.36515	1.07105	2.52567	3.04619	3.54164	0.86698	1.36515	7.08E+01	6.14E-01	2.72E-05	1.31E-01	1.40E+00	4.90E-01	1.50E+00	2.26E+00	7.27E+01
5300	491363.09	3865877.25	8.50791	1.59878	2.89173	1.50051	2.74443	3.99804	0.80036	1.59878	8.72E+01	7.20E-01	7.34E-05	7.77E-02	1.26E+00	5.53E-01	1.38E+00	2.65E+00	8.86E+01
5301	491863.09	3865877.25	8.64561	1.21675	1.78036	1.77083	4.92688	3.17458	0.78708	1.21675	8.87E+01	5.48E-01	4.52E-05	9.17E-02	2.27E+00	4.39E-01	1.36E+00	2.02E+00	9.13E+01
5302	492363.09	3865877.25	7.23791	2.0359	1.59153	2.12802	9.53365	3.17059	1.47211	2.0359	7.42E+01	9.16E-01	4.04E-05	1.10E-01	4.39E+00	4.38E-01	2.54E+00	3.37E+00	7.92E+01
5303	492863.09	3865877.25	6.43492	1.57985	1.03212	2.13442	15.31548	1.44079	1.40665	1.57985	6.60E+01	7.11E-01	2.62E-05	1.10E-01	7.06E+00	1.99E-01	2.43E+00	2.62E+00	7.39E+01
5304	493363.09	3865877.25	5.8501	1.14752	1.35039	1.75052	15.90337	1.2907	1.3847	1.14752	6.00E+01	5.16E-01	3.43E-05	9.06E-02	7.33E+00	1.78E-01	2.39E+00	1.90E+00	6.86E+01
5305	493863.09	3865877.25	4.28849	1.10211	1.64723	2.01902	6.98379	1.63402	1.66322	1.10211	4.40E+01	4.96E-01	4.18E-05	1.05E-01	3.22E+00	2.26E-01	2.87E+00	1.83E+00	4.91E+01
5306	494363.09	3865877.25	2.6894	1.06939	1.76329	2.81606	9.62229	1.69445	1.80132	1.06939	2.76E+01	4.81E-01	4.47E-05	1.46E-01	4.43E+00	2.34E-01	3.11E+00	1.77E+00	3.42E+01

5307	494863.09	3865877.25	2.52813	1.29383	2.18963	3.30462	8.63652	1.76553	1.43707	1.29383	2.59E+01	5.82E-01	5.55E-05	1.71E-01	3.98E+00	2.44E-01	2.48E+00	2.14E+00	3.12E+01
5308	495363.09	3865877.25	2.54065	1.27431	2.68255	2.56204	6.2137	1.91211	1.31141	1.27431	2.61E+01	5.73E-01	6.81E-05	1.33E-01	2.86E+00	2.64E-01	2.26E+00	2.11E+00	3.00E+01
5309	495863.09	3865877.25	2.63379	1.42196	2.8999	2.02001	3.68323	1.74635	1.17977	1.42196	2.70E+01	6.40E-01	7.36E-05	1.05E-01	1.70E+00	2.41E-01	2.04E+00	2.36E+00	2.94E+01
5310	496363.09	3865877.25	2.42195	1.57046	3.13077	2.07399	2.94783	1.33222	1.62036	1.57046	2.48E+01	7.07E-01	7.94E-05	1.07E-01	1.36E+00	1.84E-01	2.80E+00	2.60E+00	2.74E+01
5311	496863.09	3865877.25	1.98303	1.42644	2.79685	2.55017	4.69828	1.31046	1.95781	1.42644	2.03E+01	6.42E-01	7.10E-05	1.32E-01	2.17E+00	1.81E-01	3.38E+00	2.36E+00	2.45E+01
5312	497363.09	3865877.25	2.29903	1.2984	2.82901	2.92326	3.79499	1.45335	1.89436	1.2984	2.36E+01	5.84E-01	7.18E-05	1.51E-01	1.75E+00	2.01E-01	3.27E+00	2.15E+00	2.74E+01
5313	497863.09	3865877.25	2.62988	1.45865	2.6436	2.23785	3.8548	1.85894	1.82493	1.45865	2.70E+01	6.56E-01	6.71E-05	1.16E-01	1.78E+00	2.57E-01	3.15E+00	2.42E+00	3.05E+01
5314	498363.09	3865877.25	2.87538	1.42106	1.75198	2.25236	3.30755	2.03358	1.80218	1.42106	2.95E+01	6.40E-01	4.44E-05	1.17E-01	1.52E+00	2.81E-01	3.11E+00	2.35E+00	3.28E+01
5315	471363.09	3866377.25	1.12279	0.57531	1.48702	1.04435	3.13158	1.11716	0.57942	0.57531	1.15E+01	2.59E-01	3.77E-05	5.41E-02	1.44E+00	1.54E-01	1.00E+00	9.53E-01	1.35E+01
5316	471863.09	3866377.25	1.18967	0.577	1.62396	0.99684	3.41887	1.06338	0.57869	0.577	1.22E+01	2.60E-01	4.12E-05	5.16E-02	1.58E+00	1.47E-01	9.99E-01	9.56E-01	1.43E+01
5317	472363.09	3866377.25	1.2058	0.5858	1.63949	0.95216	3.28155	1.0123	0.5872	0.5858	1.24E+01	2.64E-01	4.16E-05	4.93E-02	1.51E+00	1.40E-01	1.01E+00	9.71E-01	1.44E+01
5318	472863.09	3866377.25	1.27231	0.58759	1.59233	0.87929	3.0941	0.95589	0.5906	0.58759	1.30E+01	2.64E-01	4.04E-05	4.55E-02	1.43E+00	1.32E-01	1.02E+00	9.74E-01	1.50E+01
5319	473363.09	3866377.25	1.35125	0.58374	1.6457	0.82303	3.28469	0.90224	0.58645	0.58374	1.39E+01	2.63E-01	4.17E-05	4.26E-02	1.51E+00	1.25E-01	1.01E+00	9.67E-01	1.58E+01
5320	473863.09	3866377.25	1.38242	0.57281	1.64492	0.86458	4.48895	0.83862	0.57512	0.57281	1.42E+01	2.58E-01	4.17E-05	4.48E-02	2.07E+00	1.16E-01	9.93E-01	9.49E-01	1.67E+01
5321	474363.09	3866377.25	1.36617	0.57048	1.49535	1.04516	5.83222	0.87433	0.57231	0.57048	1.40E+01	2.57E-01	3.79E-05	5.41E-02	2.69E+00	1.21E-01	9.88E-01	9.45E-01	1.72E+01
5322	474863.09	3866377.25	1.31116	0.59564	1.18846	1.17201	6.12403	1.03488	0.59747	0.59564	1.34E+01	2.68E-01	3.01E-05	6.07E-02	2.82E+00	1.43E-01	1.03E+00	9.87E-01	1.68E+01
5323	475363.09	3866377.25	1.22381	0.62386	1.18754	1.18336	5.04134	1.14806	0.62595	0.62386	1.25E+01	2.81E-01	3.01E-05	6.13E-02	2.32E+00	1.59E-01	1.08E+00	1.03E+00	1.54E+01
5324	475863.09	3866377.25	1.14152	0.65063	1.10005	1.1427	3.67482	1.19711	0.65307	0.65063	1.17E+01	2.93E-01	2.79E-05	5.92E-02	1.69E+00	1.66E-01	1.13E+00	1.08E+00	1.40E+01
5325	476363.09	3866377.25	1.13955	0.6618	1.21964	1.28496	6.37866	1.14658	0.665	0.6618	1.17E+01	2.98E-01	3.09E-05	6.65E-02	2.94E+00	1.59E-01	1.15E+00	1.10E+00	1.52E+01
5326	476863.09	3866377.25	1.20802	0.70094	1.2934	1.24126	7.85788	1.0588	0.70781	0.70094	1.24E+01	3.15E-01	3.28E-05	6.43E-02	3.62E+00	1.46E-01	1.22E+00	1.16E+00	1.66E+01
5327	477363.09	3866377.25	1.194	0.68914	1.5913	1.09296	6.76398	1.205	0.6942	0.68914	1.22E+01	3.10E-01	4.04E-05	5.66E-02	3.12E+00	1.67E-01	1.20E+00	1.14E+00	1.60E+01
5328	477863.09	3866377.25	1.21531	0.71057	1.45752	1.38354	6.00342	1.30573	0.71476	0.71057	1.25E+01	3.20E-01	3.70E-05	7.16E-02	2.77E+00	1.81E-01	1.23E+00	1.18E+00	1.59E+01
5329	478363.09	3866377.25	1.28644	0.72341	1.88004	1.77366	6.44438	1.1739	0.72871	0.72341	1.32E+01	3.26E-01	4.77E-05	9.18E-02	2.97E+00	1.62E-01	1.26E+00	1.20E+00	1.68E+01
5330	478863.09	3866377.25	1.38322	0.73025	2.01251	1.80362	5.7958	0.99946	0.73593	0.73025	1.42E+01	3.29E-01	5.11E-05	9.34E-02	2.67E+00	1.38E-01	1.27E+00	1.21E+00	1.75E+01
5331	479363.09	3866377.25	1.46218	0.73591	1.67908	1.41729	4.48504	0.92196	0.74179	0.73591	1.50E+01	3.31E-01	4.26E-05	7.34E-02	2.07E+00	1.27E-01	1.28E+00	1.22E+00	1.77E+01
5332	479863.09	3866377.25	1.50455	0.74218	1.38105	1.41983	3.08183	0.92225	0.7481	0.74218	1.54E+01	3.34E-01	3.50E-05	7.35E-02	1.42E+00	1.28E-01	1.29E+00	1.23E+00	1.74E+01
5333	480363.09	3866377.25	1.50254	0.79288	1.10364	2.10714	3.50301	0.92149	0.76044	0.79288	1.54E+01	3.57E-01	2.80E-05	1.09E-01	1.61E+00	1.27E-01	1.31E+00	1.31E+00	1.76E+01
5334	480863.09	3866377.25	1.46448	0.97728	1.32315	2.37463	4.63881	0.88221	0.83075	0.97728	1.50E+01	4.40E-01	3.36E-05	1.23E-01	2.14E+00	1.22E-01	1.43E+00	1.62E+00	1.77E+01
5335	481363.09	3866377.25	1.64975	1.10199	1.68776	2.01994	4.77794	1.07525	0.83993	1.10199	1.69E+01	4.96E-01	4.28E-05	1.05E-01	2.20E+00	1.49E-01	1.45E+00	1.83E+00	1.95E+01
5336	481863.09	3866377.25	2.45188	0.94004	2.37328	1.45963	5.32336	1.27448	0.80365	0.94004	2.51E+01	4.23E-01	6.02E-05	7.56E-02	2.45E+00	1.76E-01	1.39E+00	1.56E+00	2.81E+01
5337	482363.09	3866377.25	2.87943	0.80383	2.23274	1.55973	4.54073	1.25108	0.80884	0.80383	2.95E+01	3.62E-01	5.66E-05	8.07E-02	2.09E+00	1.73E-01	1.40E+00	1.33E+00	3.23E+01
5338	482863.09	3866377.25	2.97021	0.79103	2.4045	1.67618	4.52615	1.19559	0.7954	0.79103	3.05E+01	3.56E-01	6.10E-05	8.68E-02	2.09E+00	1.65E-01	1.37E+00	1.31E+00	3.32E+01
5339	483363.09	3866377.25	2.74116	0.75182	2.6156	1.54877	5.21011	1.20013	0.7554	0.75182	2.81E+01	3.38E-01	6.64E-05	8.02E-02	2.40E+00	1.66E-01	1.30E+00	1.25E+00	3.12E+01
5340	483863.09	3866377.25	2.4191	0.73078	1.64779	1.29917	4.69003	1.24237	0.68025	0.73078	2.48E+01	3.29E-01	4.18E-05	6.73E-02	2.16E+00	1.72E-01	1.17E+00	1.21E+00	2.75E+01
5341	484363.09	3866377.25	2.18822	0.7378	1.48491	1.38933	4.08887	1.29801	0.69713	0.7378	2.24E+01	3.32E-01	3.77E-05	7.19E-02	1.88E+00	1.79E-01	1.20E+00	1.22E+00	2.49E+01
5342	484863.09	3866377.25	2.19434	0.75012	1.49213	1.61867	5.48008	1.66099	0.70673	0.75012	2.25E+01	3.38E-01	3.79E-05	8.38E-02	2.53E+00	2.30E-01	1.22E+00	1.24E+00	2.57E+01
5343	485363.09	3866377.25	2.47199	0.7343	1.93293	1.96742	4.94461	2.45694	0.70934	0.7343	2.53E+01	3.30E-01	4.90E-05	1.02E-01	2.28E+00	3.40E-01	1.22E+00	1.22E+00	2.84E+01
5344	485863.09	3866377.25	2.82535	0.71929	2.18862	2.07988	5.65025	2.70778	0.72452	0.71929	2.90E+01	3.24E-01	5.55E-05	1.08E-01	2.60E+00	3.74E-01	1.25E+00	1.19E+00	3.24E+01
5345	486363.09	3866377.25	2.8803	0.72497	3.05806	1.97429	14.9221	2.83797	0.75348	0.72497	2.95E+01	3.26E-01	7.76E-05	1.02E-01	6.88E+00	3.92E-01	1.30E+00	1.20E+00	3.73E+01
5346	486863.09	3866377.25	3.14495	0.74871	1.70737	2.21933	16.32265	3.24323	0.79269	0.74871	3.22E+01	3.37E-01	4.33E-05	1.15E-01	7.52E+00	4.48E-01	1.37E+00	1.24E+00	4.08E+01
5347	487363.09	3866377.25	3.25986	0.78459	2.08531	2.70608	6.66722	3.07216	0.87012	0.78459	3.34E+01	3.53E-01	5.29E-05	1.40E-01	3.07E+00	4.25E-01	1.50E+00	1.30E+00	3.76E+01
5348	487863.09	3866377.25	2.3606	0.83662	1.60533	2.88134	3.95373	1.98488	0.90668	0.83662	2.42E+01	3.77E-01	4.07E-05	1.49E-01	1.82E+00	2.74E-01	1.57E+00	1.39E+00	2.70E+01
5349	488363.09	3866377.25	1.775	0.82425	1.94062	7.55169	3.62227	1.28719	0.84935	0.82425	1.82E+01	3.71E-01	4.92E-05	3.91E-01	1.67E+00	1.78E-01	1.47E+00	1.37E+00	2.09E+01
5350	488863.09	3866377.25	2.20478	0.81923	4.00803	7.78324	2.66308	1.86599	0.82732	0.81923	2.26E+01	3.69E-01	1.02E-04	4.03E-01	1.23E+00	2.58E-01	1.43E+00	1.36E+00	2.49E+01
5351	489363.09	3866377.25	2.59408	0.79083	2.44903	4.05277	3.47272	2.33866	0.79697	0.79083	2.66E+01	3.56E-01	6.21E-05	2.10E-01	1.60E+00	3.23E-01	1.38E+00	1.31E+00	2.92E+01
5352	489863.09	3866377.25	3.11288	1.15462	2.70224	2.87203	6.88442	1.87078	0.77604	1.15462	3.19E+01	5.20E-01	6.85E-05	1.49E-01	3.17E+00	2.59E-01	1.34E+00	1.91E+00	3.54E+01
5353	490363.09	3866377.25	4.13202	0.84956	2.16129	3.53537	7.88765	1.31764	0.85259	0.84956	4.24E+01	3.82E-01	5.48E-05	1.83E-01	3.63E+00	1.82E-01	1.47E+00	1.41E+00	4.68E+01
5354	490863.09	3866377.25	5.43348	0.89512	1.46292	2.23103	4.06781	2.27956	0.88891	0.89512	5.57E+01	4.03E-01	3.71E-05	1.15E-01	1.87E+00	3.15E-01	1.53E+00	1.48E+00	5.85E+01
5355	491363.09	3866377.25	7.04123	0.87193	2.56683	2.08121	2.23288	3.6948	0.8728	0.87193	7.22E+01	3.92E-01	6.51E-05	1.08E-01	1.03E+00	5.11E-01	1.51E+00	1.44E+00	7.43E+01
5356	491863.09	3866377.25	8.38743	1.28262	1.77307	1.45511	3.61024	3.33252	0.86644	1.28262	8.60E+01	5.77E-01	4.50E-05	7.53E-02	1.66E+00	4.61E-01	1.50E+00	2.13E+00	8.82E+01
5357	492363.09	3866377.25	7.87269	1.33041	1.75047	1.88539	6.03685	2.9093	1.11595	1.33041	8.07E+01	5.99E-01	4.44E-05	9.76E-02	2.78E+00	4.02E-01	1.93E+00	2.20E+00	8.43E+01
5358	492863.09	3866377.25	6.10685	1.94699	1.25084	2.21307	10.08462	2.34925	1.56628	1.94699	6.26E+01	8.76E-01	3.17E-05	1.15E-01	4.65E+00	3.25E-01	2.70E+00	3.23E+00	6.81E+01
5359	493363.09	3866377.25	5.56537	1.84187	1.60546	2.52743	19.87564	2.08147	1.45062	1.84187	5.71E+01	8.29E-01	4.07E-05	1.31E-01	9.16E+00	2.88E-01	2.50E+00	3.05E+00	6.69E+01
5360	493863.09	3866377.25	5.04872	1.26712	1.67883	2.76188	15.00469	1.99676	1.40193	1.26712	5.18E+01	5.70E-01	4.26E-05	1.43E-01	6.91E+00	2.76E-01	2.42E+00	2.10E+00	6.00E+01
5361	494363.09	3866377.25	3.72623	1.09941	1.88806	2.73178	6.33551	1.63939	1.49189	1.09941	3.82E+01	4.95E-01	4.79E-05	1.41E-01	2.92E+00	2.27E-01	2.58E+00	1.82E+00	4.27E+01
5362	494863.09	3866377.25	2.33201	1.03876	1.83097	2.72111	9.68265	1.61815	1.74311	1.03876	2.39E+01	4.67E-01	4.64E-05	1.41E-01	4.46E+00	2.24E-01	3.01E+00	1.72E+00	3.05E+01
5363	495363.09	3866377.25	2.39711	1.00263	2.05004	2.92933	10.41669	1.67123	1.12394	1.00263	2.46E+01	4.51E-01	5.20E-05	1.52E-01	4.80E+00	2.31E-01	1.94E+00	1.66E+00	3.05E+01
5364	495863.09	3866377.25	2.41064	1.27734	2.53781	2.03669	5.61641	1.62387	1.15299	1.27734	2.47E+01	5.75E-01	6.44E-05	1.05E-01	2.59E+00	2.25E-01	1.99E+00	2.12E+00	2.81E+01
5365	496363.09	3866377.25	2.54144	1.32689	2.59194	1.80355	4.68168	1.58642	1.17939	1.32689	2.61E+01	5.97E-01	6.58E-05	9.34E-02	2.16E+00	2.19E-01	2.04E+00	2.20E+00	2.90E+01

5366	496863.09	3866377.25	2.37978	1.49835	2.74585	2.07184	2.7615	1.14412	1.75652	1.49835	2.44E+01	6.74E-01	6.97E-05	1.07E-01	1.27E+00	1.58E-01	3.03E+00	2.48E+00	2.72E+01
5367	497363.09	3866377.25	1.98138	1.37013	2.45136	2.5614	4.6809	1.26046	1.89465	1.37013	2.03E+01	6.17E-01	6.22E-05	1.33E-01	2.16E+00	1.74E-01	3.27E+00	2.27E+00	2.44E+01
5368	497863.09	3866377.25	2.0289	1.238	2.54519	2.9509	4.48727	1.49142	1.9852	1.238	2.08E+01	5.57E-01	6.46E-05	1.53E-01	2.07E+00	2.06E-01	3.43E+00	2.05E+00	2.52E+01
5369	498363.09	3866377.25	2.45931	1.22119	2.37111	2.49288	5.40061	1.21668	1.65467	1.22119	2.52E+01	5.50E-01	6.01E-05	1.29E-01	2.49E+00	1.68E-01	2.86E+00	2.02E+00	2.94E+01
5370	474494.92	3848334.16	2.81592	25.88271	0.7135	3.02466	6.09634	1.82585	26.0324	25.88271	2.89E+01	1.16E+01	1.81E-05	1.57E-01	2.81E+00	2.52E-01	4.49E+01	4.29E+01	4.58E+01
5371	475167.27	3848920.79	4.19261	24.02565	0.63307	3.50322	7.50324	2.22268	24.1617	24.02565	4.30E+01	1.08E+01	1.61E-05	1.81E-01	3.46E+00	3.07E-01	4.17E+01	3.98E+01	5.97E+01
5372	475297.89	3848997.96	4.0026	18.94848	0.72242	3.52897	7.54343	2.23889	19.0691	18.94848	4.10E+01	8.53E+00	1.83E-05	1.83E-01	3.48E+00	3.10E-01	3.29E+01	3.14E+01	5.51E+01
5373	475439.05	3849062	3.851	16.78137	0.82798	3.63913	7.4852	2.23789	16.9967	16.78137	3.95E+01	7.55E+00	2.10E-05	1.88E-01	3.45E+00	3.09E-01	2.93E+01	2.78E+01	5.25E+01
5374	475486.86	3849061.09	3.82532	12.99272	0.95284	3.6237	7.26852	2.19042	13.0995	12.99272	3.92E+01	5.85E+00	2.42E-05	1.88E-01	3.35E+00	3.03E-01	2.26E+01	2.15E+01	5.00E+01
5375	475538.46	3849075.56	3.63973	13.7643	1.07677	3.59199	7.14523	2.16341	13.9426	13.7643	3.73E+01	6.19E+00	2.73E-05	1.86E-01	3.29E+00	2.99E-01	2.41E+01	2.28E+01	4.86E+01
5376	475751.79	3849137.15	2.88744	21.95753	1.76692	3.2731	6.57453	2.00442	22.2268	21.95753	2.96E+01	9.88E+00	4.48E-05	1.69E-01	3.03E+00	2.77E-01	3.84E+01	3.64E+01	4.50E+01
5377	476303.62	3849223.38	3.05561	21.37128	4.06475	2.00693	3.95247	1.58745	21.4753	21.37128	3.13E+01	9.62E+00	1.03E-04	1.04E-01	1.82E+00	2.19E-01	3.71E+01	3.54E+01	4.48E+01
5378	476304.51	3849238.92	2.95047	28.79311	4.0206	2.08423	4.11219	1.61965	28.9037	28.79311	3.03E+01	1.30E+01	1.02E-04	1.08E-01	1.90E+00	2.24E-01	4.99E+01	4.77E+01	4.76E+01
5379	476365.04	3849247.98	3.08634	26.99247	4.19932	1.94099	3.82727	1.54982	27.1685	26.99247	3.16E+01	1.21E+01	1.07E-04	1.00E-01	1.76E+00	2.14E-01	4.69E+01	4.47E+01	4.81E+01
5380	476444.86	3849267.13	3.28313	27.81379	4.32665	1.78435	3.49405	1.44908	28.1246	27.81379	3.37E+01	1.25E+01	1.10E-04	9.24E-02	1.61E+00	2.00E-01	4.86E+01	4.61E+01	5.06E+01
5381	476550.75	3849300.66	3.45847	31.30441	4.50052	1.64396	3.22223	1.45347	31.9885	31.30441	3.55E+01	1.41E+01	1.14E-04	8.51E-02	1.48E+00	2.01E-01	5.52E+01	5.19E+01	5.47E+01
5382	476656.71	3849346.88	3.50419	31.20644	4.58304	1.56129	3.05579	1.4567	31.7862	31.20644	3.59E+01	1.40E+01	1.16E-04	8.08E-02	1.41E+00	2.01E-01	5.49E+01	5.17E+01	5.48E+01
5383	476873.55	3849454.53	3.53029	29.14478	4.66036	1.46791	2.87388	1.46169	29.3996	29.14478	3.62E+01	1.31E+01	1.18E-04	7.60E-02	1.32E+00	2.02E-01	5.08E+01	4.83E+01	5.34E+01
5384	477700	3849859.7	3.60027	27.43691	3.71855	1.55025	2.51549	1.45594	27.188	27.43691	3.69E+01	1.23E+01	9.43E-05	8.03E-02	1.16E+00	2.01E-01	4.69E+01	4.55E+01	5.22E+01
5385	477743.16	3849856.38	3.76902	20.75872	3.41422	1.6084	2.58877	1.44981	20.6923	20.75872	3.86E+01	9.34E+00	8.66E-05	8.33E-02	1.19E+00	2.00E-01	3.57E+01	3.44E+01	5.08E+01
5386	478477.35	3850216.33	3.68192	21.77521	2.71418	2.38604	3.10638	1.7121	21.3905	21.77521	3.78E+01	9.80E+00	6.89E-05	1.24E-01	1.43E+00	2.37E-01	3.69E+01	3.61E+01	5.02E+01
5387	478485.8	3850201.6	3.8429	18.09329	2.62364	2.5374	3.14346	1.76858	17.8842	18.09329	3.94E+01	8.14E+00	6.66E-05	1.31E-01	1.45E+00	2.45E-01	3.09E+01	3.00E+01	5.03E+01
5388	479113.21	3850501.53	5.05859	16.89404	1.83546	4.05923	3.57953	3.27633	16.6234	16.89404	5.19E+01	7.60E+00	4.66E-05	2.10E-01	1.65E+00	4.53E-01	2.87E+01	2.80E+01	6.25E+01
5389	479108.11	3850382.28	6.27582	10.19244	1.52961	4.30076	4.12333	3.67891	10.1278	10.19244	6.44E+01	4.59E+00	3.88E-05	2.23E-01	1.90E+00	5.09E-01	1.75E+01	1.69E+01	7.22E+01
5390	479689.85	3850674.28	7.29951	9.68096	1.16723	4.25792	5.96408	3.82468	9.59632	9.68096	7.48E+01	4.36E+00	2.96E-05	2.20E-01	2.75E+00	5.29E-01	1.66E+01	1.60E+01	8.32E+01
5391	479952.42	3850774.28	6.72588	8.81348	1.06024	3.64607	6.52006	3.45869	8.74881	8.81348	6.90E+01	3.97E+00	2.69E-05	1.89E-01	3.00E+00	4.78E-01	1.51E+01	1.46E+01	7.71E+01
5392	479911.32	3850884.85	6.72425	16.80669	1.2098	4.51573	5.3514	3.92407	16.3394	16.80669	6.90E+01	7.56E+00	3.07E-05	2.34E-01	2.47E+00	5.43E-01	2.82E+01	2.78E+01	8.01E+01
5393	480500.92	3851178.12	7.9072	16.57362	1.18292	3.44467	6.29248	3.52191	16.3757	16.57362	8.11E+01	7.46E+00	3.00E-05	1.78E-01	2.90E+00	4.87E-01	2.83E+01	2.75E+01	9.29E+01
5394	480738.01	3851289.27	8.31165	15.92262	2.14991	3.02398	6.45383	3.49218	15.8844	15.92262	8.52E+01	7.17E+00	5.45E-05	1.57E-01	2.97E+00	4.83E-01	2.74E+01	2.64E+01	9.70E+01
5395	481055.42	3851443.58	9.32775	22.11285	5.93497	2.83352	6.4139	3.57462	22.7928	22.11285	9.56E+01	9.95E+00	1.51E-04	1.47E-01	2.96E+00	4.94E-01	3.94E+01	3.66E+01	1.12E+02
5396	481110.22	3851443.15	8.66445	18.85593	6.83371	2.69161	6.22625	3.71522	19.5426	18.85593	8.88E+01	8.49E+00	1.73E-04	1.39E-01	2.87E+00	5.14E-01	3.37E+01	3.12E+01	1.03E+02
5397	481111.1	3851417.45	8.11739	16.12044	7.02063	2.62193	6.06685	3.72698	16.8168	16.12044	8.32E+01	7.25E+00	1.78E-04	1.36E-01	2.80E+00	5.15E-01	2.90E+01	2.67E+01	9.63E+01
5398	482248.44	3852605.09	9.67122	21.53235	6.24747	3.87335	8.67593	4.2063	21.4847	21.53235	9.92E+01	9.69E+00	1.58E-04	2.01E-01	4.00E+00	5.82E-01	3.71E+01	3.57E+01	1.15E+02
5399	482273.34	3852632.31	9.81605	21.8849	6.14923	3.90481	8.7359	4.22496	22.0848	21.8849	1.01E+02	9.85E+00	1.56E-04	2.02E-01	4.03E+00	5.84E-01	3.81E+01	3.63E+01	1.17E+02
5400	482665.46	3853038.72	7.72309	18.63922	11.71754	5.01599	9.54642	4.98124	17.2341	18.63922	7.92E+01	8.39E+00	2.97E-04	2.60E-01	4.40E+00	6.89E-01	2.98E+01	3.09E+01	9.18E+01
5401	483077.95	3853844.31	11.23521	11.21456	14.00537	23.39359	12.16668	17.08386	14.171	11.21456	1.15E+02	5.05E+00	3.55E-04	1.21E+00	5.61E+00	2.36E+00	2.45E+01	1.86E+01	1.35E+02
5402	483121.38	3853909.38	11.54957	11.48222	14.09079	41.15044	13.37541	23.98556	15.7149	11.48222	1.18E+02	5.17E+00	3.57E-04	2.13E+00	6.16E+00	3.32E+00	2.71E+01	1.90E+01	1.43E+02
5403	483492.64	3853911.49	7.97051	4.93856	8.86734	11.25735	10.4348	7.12336	5.07197	4.93856	8.17E+01	2.22E+00	2.25E-04	5.83E-01	4.81E+00	9.85E-01	8.76E+00	8.18E+00	9.09E+01
5404	483498.29	3854204.73	10.93144	8.14986	12.06189	53.70769	16.11992	21.28986	9.37828	8.14986	1.12E+02	3.67E+00	3.06E-04	2.78E+00	7.43E+00	2.94E+00	1.62E+01	1.35E+01	1.32E+02
5405	484132.44	3854662.55	12.41762	2.32479	10.58539	59.71181	18.86906	18.26908	16.2484	2.32479	1.27E+02	1.05E+00	2.69E-04	3.09E+00	8.70E+00	2.53E+00	2.81E+01	3.85E+00	1.67E+02
5406	484627.62	3854876.13	13.91034	2.68053	10.68422	61.44141	13.79541	14.40166	17.8987	2.68053	1.43E+02	1.21E+00	2.71E-04	3.18E+00	6.36E+00	1.99E+00	3.09E+01	4.44E+00	1.82E+02
5407	484756.14	3854949.04	13.43976	2.77781	9.02971	60.6403	16.15153	14.35759	15.3466	2.77781	1.38E+02	1.25E+00	2.29E-04	3.14E+00	7.44E+00	1.98E+00	2.65E+01	4.60E+00	1.74E+02
5408	486697.51	3856599.17	10.69626	1.80866	10.87325	57.36382	94.97042	13.20128	8.94658	1.80866	1.10E+02	8.14E-01	2.76E-04	2.97E+00	4.38E+01	1.83E+00	1.54E+01	3.00E+00	1.72E+02
5409	487105.31	3856962.27	10.82175	1.93159	14.62267	49.27553	174.0126	13.17572	7.28329	1.93159	1.11E+02	8.69E-01	3.71E-04	2.55E+00	8.02E+01	1.82E+00	1.26E+01	3.20E+00	2.06E+02
5410	487157.57	3856901.7	9.96769	1.87363	11.60125	20.55333	152.5422	9.24247	6.47104	1.87363	1.02E+02	8.43E-01	2.94E-04	1.06E+00	7.03E+01	1.28E+00	1.12E+01	3.10E+00	1.84E+02
5411	487173.5	3856853.74	9.52283	1.82716	9.72424	16.98956	154.354	8.13309	6.12476	1.82716	9.76E+01	8.22E-01	2.47E-04	8.79E-01	7.11E+01	1.12E+00	1.06E+01	3.03E+00	1.79E+02
5412	487564.41	3856860.83	7.95248	1.73293	7.50038	9.82238	154.9354	5.22559	4.78176	1.73293	8.15E+01	7.80E-01	1.90E-04	5.08E-01	7.14E+01	7.22E-01	8.26E+00	2.87E+00	1.60E+02
5413	487563.31	3856931.58	8.23723	1.82188	8.4814	10.52899	147.2092	5.60316	4.88933	1.82188	8.45E+01	8.20E-01	2.15E-04	5.45E-01	6.78E+01	7.75E-01	8.44E+00	3.02E+00	1.60E+02
5414	487782.7	3856926.85	7.55263	1.76351	7.03195	8.39682	124.4116	5.61661	4.32767	1.76351	7.74E+01	7.94E-01	1.78E-04	4.35E-01	5.73E+01	7.77E-01	7.47E+00	2.92E+00	1.41E+02
5415	487782.39	3856757.07	7.06194	1.98219	8.43356	6.76028	145.5347	4.88742	3.98033	1.98219	7.24E+01	8.92E-01	2.14E-04	3.50E-01	6.71E+01	6.76E-01	6.87E+00	3.28E+00	1.45E+02
5416	487917.26	3856752.41	6.75439	2.06729	7.73659	6.21977	158.9974	4.34133	3.59054	2.06729	6.93E+01	9.30E-01	1.96E-04	3.22E-01	7.33E+01	6.00E-01	6.20E+00	3.43E+00	1.47E+02
5417	487919.57	3856953.35	7.28049	1.83056	8.11445	7.5464	122.12	5.27121	4.04422	1.83056	7.47E+01	8.24E-01	2.06E-04	3.91E-01	5.63E+01	7.29E-01	6.98E+00	3.03E+00	1.37E+02
5418	487932.76	3857000.32	7.40372	1.77756	9.61308	7.82354	128.7495	5.33007	4.10299	1.77756	7.59E+01	8.00E-01	2.44E-04	4.05E-01	5.93E+01	7.37E-01	7.08E+00	2.95E+00	1.41E+02
5419	487960.5	3857044.75	7.47573	1.78818	9.19418	7.97196	141.4602	5.28014	4.11788	1.78818	7.67E+01	8.05E-01	2.33E-04	4.13E-01	6.52E+01	7.30E-01	7.11E+00	2.96E+00	1.48E+02
5420	488016.54	3857089.54	7.47119	1.81233	7.86012	8.01582	147.7084	4.87798	4.06916	1.81233	7.66E+01	8.16E-01	1.99E-04	4.15E-01	6.81E+01	6.74E-01	7.03E+00	3.00E+00	1.51E+02
5421	488114.39	3857165.47	7.42476	1.86017	16.70775	8.22274	151.2983	5.28504	3.98644	1.86017	7.61E+01	8.37E-01	4.24E-04	4.26E-01	6.97E+01	7.31E-01	6.88E+00	3.08E+00	1.52E+02
5422	488171.49	3857234.24	7.42522	1.92363	16.28924	8.5522	147.474	8.29732	3.96723	1.92363	7.61E+01	8.66E-01	4.13E-04	4.43E-01	6.80E+01	1.15E+00	6.85E+00	3.19E+00	1.50E+02
5423	488193.16	3857297.8	7.46908	1.99664	15.53879	9.12353	140.9934	9.91875	3.97815	1.99664	7.66E+01	8.99E-01	3.94E-04	4.72E-01	6.50E+01	1.37E+00	6.87E+00	3.31E+00	1.48E+02
5424	488189.27	3857649.94	8.19605	2.40864	20.20244	13.92616	236.6971	12.41965	4.54187	2.40864	8.40E+01	1.08E+00	5.12E-04	7.21E-01	1.09E+02	1.72E+00	7.84E+00	3.99E+00	2.00E+02

5425	488127.43	3857732.32	9.35956	2.66849	23.75585	17.24853	261.4944	17.14306	4.96168	2.66849	9.60E+01	1.20E+00	6.03E-04	8.93E-01	1.21E+02	2.37E+00	8.57E+00	4.42E+00	2.25E+02
5426	488149.93	3857752.94	9.40397	2.72538	26.50655	17.33184	257.0617	20.11359	4.94719	2.72538	9.64E+01	1.23E+00	6.72E-04	8.97E-01	1.18E+02	2.78E+00	8.54E+00	4.52E+00	2.24E+02
5427	488144.76	3857758.71	9.55213	2.75283	26.64482	17.68085	258.7815	20.43349	4.98867	2.75283	9.79E+01	1.24E+00	6.76E-04	9.15E-01	1.19E+02	2.82E+00	8.61E+00	4.56E+00	2.26E+02
5428	488335.58	3857932.55	9.82158	3.38929	21.32873	19.24719	171.7993	12.57404	4.86636	3.38929	1.01E+02	1.53E+00	5.41E-04	9.96E-01	7.92E+01	1.74E+00	8.40E+00	5.62E+00	1.87E+02
5429	488372.29	3857943.79	9.54962	3.37629	21.69873	17.91386	156.0524	12.20923	4.73435	3.37629	9.79E+01	1.52E+00	5.50E-04	9.27E-01	7.19E+01	1.69E+00	8.17E+00	5.59E+00	1.77E+02
5430	488828.64	3857936.4	7.06355	2.60093	15.64579	12.90006	90.3547	8.73609	3.61288	2.60093	7.24E+01	1.17E+00	3.97E-04	6.68E-01	4.16E+01	1.21E+00	6.24E+00	4.31E+00	1.19E+02
5431	488829.08	3857959.58	7.18927	2.71306	16.53453	13.02864	88.45319	8.76867	3.65933	2.71306	7.37E+01	1.22E+00	4.19E-04	6.74E-01	4.08E+01	1.21E+00	6.32E+00	4.50E+00	1.19E+02
5432	488351.61	3857964.55	10.11669	3.52514	21.81357	19.95977	167.0465	12.67525	4.96846	3.52514	1.04E+02	1.59E+00	5.53E-04	1.03E+00	7.70E+01	1.75E+00	8.58E+00	5.84E+00	1.88E+02
5433	488316.87	3857947.65	10.30717	3.49615	22.56635	20.78001	180.2671	12.967	5.07067	3.49615	1.06E+02	1.57E+00	5.72E-04	1.08E+00	8.31E+01	1.79E+00	8.75E+00	5.79E+00	1.96E+02
5434	488129.1	3857775.77	10.02047	2.84478	26.49477	19.20356	263.6565	21.46791	5.14361	2.84478	1.03E+02	1.28E+00	6.72E-04	9.94E-01	1.22E+02	2.97E+00	8.88E+00	4.71E+00	2.34E+02
5435	488062.53	3857846.13	12.84523	3.31024	27.63356	53.87174	252.4417	25.67299	6.34399	3.31024	1.32E+02	1.49E+00	7.01E-04	2.79E+00	1.16E+02	3.55E+00	1.10E+01	5.48E+00	2.61E+02
5436	488330.41	3858091.34	13.44716	4.07027	20.69352	53.91147	174.2927	22.69653	6.33763	4.07027	1.38E+02	1.83E+00	5.25E-04	2.79E+00	8.03E+01	3.14E+00	1.09E+01	6.74E+00	2.30E+02
5437	488470.87	3858174.45	12.46977	4.34654	20.35112	30.0816	139.7606	16.7863	5.90499	4.34654	1.28E+02	1.96E+00	5.16E-04	1.56E+00	6.44E+01	2.32E+00	1.02E+01	7.20E+00	2.01E+02
5438	488568.9	3858262.31	12.79807	4.8145	18.41008	30.99995	115.5804	16.15091	5.93598	4.8145	1.31E+02	2.17E+00	4.67E-04	1.60E+00	5.33E+01	2.23E+00	1.02E+01	7.98E+00	1.93E+02
5439	488964.27	3858025.71	7.04966	2.84089	14.75778	14.59714	82.09367	8.17321	3.52018	2.84089	7.23E+01	1.28E+00	3.74E-04	7.56E-01	3.78E+01	1.13E+00	6.08E+00	4.71E+00	1.15E+02
5440	489147.25	3857956.64	7.48861	2.4166	14.16472	18.60734	73.35192	7.3735	3.22396	2.4166	7.68E+01	1.09E+00	3.59E-04	9.63E-01	3.38E+01	1.02E+00	5.57E+00	4.00E+00	1.15E+02
5441	489343.52	3857932.45	7.35768	2.44088	13.91834	8.49047	52.14083	6.55649	3.03892	2.44088	7.54E+01	1.10E+00	3.53E-04	4.40E-01	2.40E+01	9.06E-01	5.25E+00	4.04E+00	1.03E+02
5442	489866.19	3857923.19	6.03683	1.78781	9.83075	11.84991	49.9763	5.2154	2.55873	1.78781	6.19E+01	8.05E-01	2.49E-04	6.13E-01	2.30E+01	7.21E-01	4.42E+00	2.96E+00	8.85E+01
5443	489955.65	3857902.27	5.66921	1.69914	9.4943	14.66806	51.98808	4.94659	2.45524	1.69914	5.81E+01	7.65E-01	2.41E-04	7.59E-01	2.40E+01	6.84E-01	4.24E+00	2.82E+00	8.57E+01
5444	490079.44	3857847.9	5.26779	1.61114	8.74053	13.33267	51.75995	4.94634	2.29553	1.61114	5.40E+01	7.25E-01	2.22E-04	6.90E-01	2.39E+01	6.84E-01	3.96E+00	2.67E+00	8.13E+01
5445	490108.49	3857934.13	6.08466	1.67819	8.43323	11.55708	49.66257	4.77001	2.35354	1.67819	6.24E+01	7.55E-01	2.14E-04	5.98E-01	2.29E+01	6.59E-01	4.06E+00	2.78E+00	8.86E+01
5446	489884.48	3858014.17	7.01157	1.93937	10.02434	17.17008	44.2451	5.18226	2.62715	1.93937	7.19E+01	8.73E-01	2.54E-04	8.89E-01	2.04E+01	7.16E-01	4.54E+00	3.21E+00	9.61E+01
5447	489326.56	3858025.86	7.21063	2.44291	16.21426	9.24662	64.60724	6.61213	3.09292	2.44291	7.39E+01	1.10E+00	4.11E-04	4.79E-01	2.98E+01	9.14E-01	5.34E+00	4.05E+00	1.07E+02
5448	489130.38	3858056.71	7.2837	2.76923	14.13143	18.79819	78.76073	7.26778	3.28923	2.76923	7.47E+01	1.25E+00	3.58E-04	9.73E-01	3.63E+01	1.00E+00	5.68E+00	4.59E+00	1.15E+02
5449	488936.49	3858143.93	7.74796	3.43213	14.34022	15.20163	63.27406	9.30557	3.79402	3.43213	7.94E+01	1.54E+00	3.64E-04	7.87E-01	2.92E+01	1.29E+00	6.55E+00	5.69E+00	1.13E+02
5450	488638.08	3858327.45	13.44441	4.91246	18.07097	31.73302	102.4341	16.64778	6.02105	4.91246	1.38E+02	2.21E+00	4.58E-04	1.64E+00	4.72E+01	2.30E+00	1.04E+01	8.14E+00	1.93E+02
5451	488663.79	3858349.57	13.55265	4.93029	17.86777	31.62564	97.80738	16.67471	6.03774	4.93029	1.39E+02	2.22E+00	4.53E-04	1.64E+00	4.51E+01	2.31E+00	1.04E+01	8.17E+00	1.92E+02
5452	488694.56	3858349.5	13.03286	4.87707	17.54802	27.65946	89.07203	15.85189	5.75856	4.87707	1.34E+02	2.19E+00	4.45E-04	1.43E+00	4.10E+01	2.19E+00	9.94E+00	8.08E+00	1.82E+02
5453	488694.35	3858336.75	12.76538	4.81843	17.52374	26.23976	87.4362	15.51374	5.63133	4.81843	1.31E+02	2.17E+00	4.45E-04	1.36E+00	4.03E+01	2.14E+00	9.72E+00	7.98E+00	1.79E+02
5454	488712.81	3858336.38	12.44349	4.76068	17.40017	24.71043	81.97279	15.12625	5.48506	4.76068	1.28E+02	2.14E+00	4.41E-04	1.28E+00	3.78E+01	2.09E+00	9.47E+00	7.89E+00	1.72E+02
5455	488713.23	3858367.46	13.05818	4.88661	17.22808	27.89711	86.04954	15.93071	5.78323	4.88661	1.34E+02	2.20E+00	4.37E-04	1.44E+00	3.97E+01	2.20E+00	9.98E+00	8.10E+00	1.81E+02
5456	488704.63	3858384.05	13.58958	4.91494	16.90989	31.39669	90.47373	16.59116	6.03889	4.91494	1.39E+02	2.21E+00	4.29E-04	1.63E+00	4.17E+01	2.29E+00	1.04E+01	8.14E+00	1.89E+02
5457	488604.15	3858488.29	14.26133	6.5405	16.21333	29.51108	116.5949	14.34147	9.61397	6.5405	1.46E+02	2.94E+00	4.11E-04	1.53E+00	5.37E+01	1.98E+00	1.66E+01	1.08E+01	2.12E+02
5458	488605.66	3858550.47	14.22304	7.30215	16.96507	28.64951	113.9189	10.63018	11.8978	7.30215	1.46E+02	3.29E+00	4.30E-04	1.48E+00	5.25E+01	1.47E+00	2.05E+01	1.21E+01	2.13E+02
5459	488692.68	3858548.71	13.72653	6.7469	16.51436	33.70072	105.1017	15.79709	9.03721	6.7469	1.41E+02	3.04E+00	4.19E-04	1.74E+00	4.84E+01	2.18E+00	1.56E+01	1.12E+01	2.01E+02
5460	488759.93	3858461.81	13.62423	5.4305	14.84831	39.09174	84.95645	19.31406	6.41098	5.4305	1.40E+02	2.44E+00	3.77E-04	2.02E+00	3.92E+01	2.67E+00	1.11E+01	9.00E+00	1.88E+02
5461	488816.57	3858541.79	13.40415	5.96989	14.91686	55.90127	79.77574	23.61905	6.81061	5.96989	1.37E+02	2.69E+00	3.78E-04	2.89E+00	3.68E+01	3.27E+00	1.18E+01	9.89E+00	1.85E+02
5462	488944.63	3858656.77	13.37213	6.57028	14.7031	53.5739	63.55801	23.32669	6.83565	6.57028	1.37E+02	2.96E+00	3.73E-04	2.77E+00	2.93E+01	3.22E+00	1.18E+01	1.09E+01	1.76E+02
5463	489134.91	3858830.7	12.22835	7.79034	19.00291	55.88376	53.88114	23.01785	7.91235	7.79034	1.25E+02	3.51E+00	4.82E-04	2.89E+00	2.48E+01	3.18E+00	1.37E+01	1.29E+01	1.61E+02
5464	489193.99	3858886.05	11.94375	8.19652	20.98816	63.85354	51.47563	23.2125	8.31002	8.19652	1.22E+02	3.69E+00	5.32E-04	3.31E+00	2.37E+01	3.21E+00	1.43E+01	1.36E+01	1.57E+02
5465	489295.2	3858954.34	11.4925	8.57369	20.14583	61.03285	46.4925	20.44506	8.6777	8.57369	1.18E+02	3.86E+00	5.11E-04	3.16E+00	2.14E+01	2.83E+00	1.50E+01	1.42E+01	1.50E+02
5466	489295.64	3858992.74	11.53274	9.01585	26.82267	56.01413	47.76348	32.15477	9.12648	9.01585	1.18E+02	4.06E+00	6.80E-04	2.90E+00	2.20E+01	4.45E+00	1.58E+01	1.49E+01	1.52E+02
5467	489183.74	3858911.72	12.01457	8.54221	25.03684	67.77196	52.66141	36.37772	8.66271	8.54221	1.23E+02	3.84E+00	6.35E-04	3.51E+00	2.43E+01	5.03E+00	1.50E+01	1.42E+01	1.61E+02
5468	488873.37	3858625.59	13.70417	6.62467	16.70559	66.13128	75.65672	30.37725	7.30423	6.62467	1.41E+02	2.98E+00	4.24E-04	3.42E+00	3.49E+01	4.20E+00	1.26E+01	1.10E+01	1.88E+02
5469	488842.84	3858658.69	13.91157	7.23158	19.14436	39.62956	84.59259	18.77225	8.41084	7.23158	1.43E+02	3.25E+00	4.86E-04	2.05E+00	3.90E+01	2.60E+00	1.45E+01	1.20E+01	1.92E+02
5470	488856.39	3858670.93	13.97399	7.31018	19.56488	39.97601	83.07665	18.95863	8.40965	7.31018	1.43E+02	3.29E+00	4.96E-04	2.07E+00	3.83E+01	2.62E+00	1.45E+01	1.21E+01	1.92E+02
5471	488805.7	3858724.5	14.37307	8.5008	14.82981	26.06454	93.99977	10.18553	11.3712	8.5008	1.47E+02	3.83E+00	3.76E-04	1.35E+00	4.33E+01	1.41E+00	1.96E+01	1.41E+01	2.03E+02
5472	488805.87	3858804.16	14.3779	11.41596	18.87024	22.27633	94.45144	10.30226	17.2372	11.41596	1.47E+02	5.14E+00	4.79E-04	1.15E+00	4.35E+01	1.42E+00	2.98E+01	1.89E+01	2.10E+02
5473	488995.78	3858936.96	13.63289	13.78787	20.38616	23.34667	76.69315	9.99982	18.7198	13.78787	1.40E+02	6.21E+00	5.17E-04	1.21E+00	3.53E+01	1.38E+00	3.23E+01	2.28E+01	1.93E+02
5474	489130.76	3859017.38	13.29989	14.4168	21.08922	27.28686	62.03463	9.88301	16.6268	14.4168	1.36E+02	6.49E+00	5.35E-04	1.41E+00	2.86E+01	1.37E+00	2.87E+01	2.39E+01	1.79E+02
5475	489130.92	3859052.24	14.18687	20.41676	26.51828	26.64362	64.46937	8.83311	26.1746	20.41676	1.45E+02	9.19E+00	6.73E-04	1.38E+00	2.97E+01	1.22E+00	4.52E+01	3.38E+01	1.98E+02
5476	489200.33	3859090.6	13.7795	20.49919	29.81553	55.91691	56.78602	9.51475	22.7775	20.49919	1.41E+02	9.23E+00	7.56E-04	2.89E+00	2.62E+01	1.32E+00	3.93E+01	3.40E+01	1.86E+02
5477	489296.07	3859143.7	13.17904	20.63156	35.27832	24.42168	48.77783	10.74088	21.0333	20.63156	1.35E+02	9.29E+00	8.95E-04	1.26E+00	2.25E+01	1.48E+00	3.63E+01	3.42E+01	1.72E+02
5478	489296.43	3858954.74	11.48692	8.57343	20.02681	60.45782	46.41283	20.35404	8.67741	8.57343	1.18E+02	3.86E+00	5.08E-04	3.13E+00	2.14E+01	2.81E+00	1.50E+01	1.42E+01	1.50E+02
5479	489410.33	3859033.19	11.43095	9.06567	15.12748	58.02793	40.86689	22.12198	9.15888	9.06567	1.17E+02	4.08E+00	3.84E-04	3.00E+00	1.88E+01	3.06E+00	1.58E+01	1.50E+01	1.47E+02
5480	489371.37	3859089.8	11.80541	10.38781	33.76492	36.20947	45.75754	16.57037	10.3027	10.38781	1.21E+02	4.67E+00	8.57E-04	1.87E+00	2.11E+01	2.29E+00	1.78E+01	1.72E+01	1.52E+02
5481	489390.52	3859102.82	11.91766	10.50654	34.94784	35.60238	44.95217	16.18311	10.3899	10.50654	1.22E+02	4.73E+00	8.87E-04	1.84E+00	2.07E+01	2.24E+00	1.79E+01	1.74E+01	1.52E+02
5482	489382.3	3859114.53	11.99068	11.35687	34.49466	32.72203	45.75387	15.2276	10.9686	11.35687	1.23E+02	5.11E+00	8.75E-04	1.69E+00	2.11E+01	2.11E+00	1.89E+01	1.88E+01	1.53E+02
5483	489363.04	3859102.45	11.88783	11.26913	34.29706	32.88091	46.54394	15.5078	10.9091	11.26913	1.22E+02	5.07E+00	8.70E-04	1.70E+00	2.14E+01	2.14E+00	1.88E+01	1.87E+01	1.52E+02

5484	489337.52	3859140.71	12.45697	15.57776	27.92905	23.97283	47.91765	12.46331	15.2043	15.57776	1.28E+02	7.01E+00	7.08E-04	1.24E+00	2.21E+01	1.72E+00	2.63E+01	2.58E+01	1.60E+02
5485	489375.14	3859164.55	12.57333	15.97368	29.73506	24.80357	46.76457	12.45937	15.4705	15.97368	1.29E+02	7.19E+00	7.54E-04	1.28E+00	2.16E+01	1.72E+00	2.67E+01	2.65E+01	1.61E+02
5486	489409.3	3859114.5	11.95325	10.57307	35.87618	35.16428	44.12886	15.91508	10.4442	10.57307	1.23E+02	4.76E+00	9.10E-04	1.82E+00	2.03E+01	2.20E+00	1.80E+01	1.75E+01	1.52E+02
5487	489434.87	3859131.81	11.92249	10.74158	36.77288	34.3228	43.08663	15.56833	10.5506	10.74158	1.22E+02	4.83E+00	9.33E-04	1.78E+00	1.99E+01	2.15E+00	1.82E+01	1.78E+01	1.51E+02
5488	489471.87	3859075.75	11.41989	9.35698	20.49327	60.7556	37.96375	23.30195	9.45087	9.35698	1.17E+02	4.21E+00	5.20E-04	3.15E+00	1.75E+01	3.22E+00	1.63E+01	1.55E+01	1.46E+02
5489	489602.62	3859164.69	11.50218	10.04056	17.04104	62.928	31.9172	24.97377	10.1284	10.04056	1.18E+02	4.52E+00	4.32E-04	3.26E+00	1.47E+01	3.45E+00	1.75E+01	1.66E+01	1.45E+02
5490	489558.29	3859232.45	12.73032	12.77966	36.20306	27.95189	38.54364	14.65126	11.8878	12.77966	1.31E+02	5.75E+00	9.18E-04	1.45E+00	1.78E+01	2.03E+00	2.05E+01	2.12E+01	1.57E+02
5491	489620.11	3859273.56	12.92029	13.375	54.18761	26.53615	35.85848	14.92935	12.2868	13.375	1.32E+02	6.02E+00	1.37E-03	1.37E+00	1.65E+01	2.06E+00	2.12E+01	2.22E+01	1.58E+02
5492	489666.06	3859206.42	11.48012	10.41402	39.47828	63.70471	29.04956	24.99923	10.5023	10.41402	1.18E+02	4.69E+00	1.00E-03	3.30E+00	1.34E+01	3.46E+00	1.81E+01	1.73E+01	1.43E+02
5493	489787.9	3859285.65	11.51417	11.2338	61.02345	63.61633	24.0107	24.77658	11.3269	11.2338	1.18E+02	5.06E+00	1.55E-03	3.29E+00	1.11E+01	3.43E+00	1.96E+01	1.86E+01	1.42E+02
5494	489752.17	3859343.13	13.04939	13.15314	110.45415	29.06826	29.57331	17.13348	12.3172	13.15314	1.34E+02	5.92E+00	2.80E-03	1.50E+00	1.36E+01	2.37E+00	2.13E+01	2.18E+01	1.57E+02
5495	489814.94	3859385.33	13.12438	13.82487	130.0519	28.35019	27.14509	15.92349	12.8689	13.82487	1.35E+02	6.22E+00	3.30E-03	1.47E+00	1.25E+01	2.20E+00	2.22E+01	2.29E+01	1.56E+02
5496	489853.42	3859330.74	11.57407	11.792	75.10372	65.84592	21.67913	25.47238	11.889	11.792	1.19E+02	5.31E+00	1.91E-03	3.41E+00	9.99E+00	3.52E+00	2.05E+01	1.95E+01	1.42E+02
5497	489969.5	3859401.91	11.42104	12.8043	65.80283	63.8167	20.10165	23.91917	12.9262	12.8043	1.17E+02	5.76E+00	1.67E-03	3.30E+00	9.26E+00	3.31E+00	2.23E+01	2.12E+01	1.40E+02
5498	490166.91	3859486.96	10.53631	13.96741	37.37352	40.24063	19.13713	21.35156	14.2333	13.96741	1.08E+02	6.29E+00	9.48E-04	2.08E+00	8.82E+00	2.95E+00	2.46E+01	2.31E+01	1.30E+02
5499	490128.86	3859571.46	13.46695	17.9601	38.89466	25.50182	18.15878	15.34617	17.9234	17.9601	1.38E+02	8.08E+00	9.87E-04	1.32E+00	8.37E+00	2.12E+00	3.09E+01	2.98E+01	1.59E+02
5500	490186.65	3859593.65	13.16753	18.46499	37.54271	25.12782	18.20912	16.14577	18.4882	18.46499	1.35E+02	8.31E+00	9.52E-04	1.30E+00	8.39E+00	2.23E+00	3.19E+01	3.06E+01	1.57E+02
5501	490223.74	3859517.48	10.50794	14.45162	37.13637	42.46793	18.67026	22.85125	14.7562	14.45162	1.08E+02	6.50E+00	9.42E-04	2.20E+00	8.60E+00	3.16E+00	2.55E+01	2.39E+01	1.30E+02
5502	490846.34	3859817.22	9.68413	11.91507	19.55872	50.02146	15.71535	20.25338	12.2157	11.91507	9.93E+01	5.36E+00	4.96E-04	2.59E+00	7.24E+00	2.80E+00	2.11E+01	1.97E+01	1.19E+02
5503	490925.65	3859844.59	9.24675	11.77232	18.79686	40.90722	14.87242	18.75162	12.1169	11.77232	9.48E+01	5.30E+00	4.77E-04	2.12E+00	6.85E+00	2.59E+00	2.09E+01	1.95E+01	1.13E+02
5504	491159.29	3859896.28	7.8761	9.6556	17.51151	48.79006	13.18016	17.3654	10.0939	9.6556	8.08E+01	4.35E+00	4.44E-04	2.53E+00	6.07E+00	2.40E+00	1.74E+01	1.60E+01	9.75E+01
5505	491370.69	3859960.89	7.27141	9.04455	14.82126	48.35098	14.93964	20.26294	9.00292	9.04455	7.46E+01	4.07E+00	3.76E-04	2.50E+00	6.88E+00	2.80E+00	1.55E+01	1.50E+01	9.14E+01
5506	491330.28	3860063.17	10.71526	14.6729	15.02672	27.43095	10.57789	16.46012	14.3549	14.6729	1.10E+02	6.60E+00	3.81E-04	1.42E+00	4.87E+00	2.28E+00	2.48E+01	2.43E+01	1.26E+02
5507	491636.45	3860180.75	8.60546	11.01202	14.00341	23.606	12.63472	15.07154	10.6333	11.01202	8.82E+01	4.96E+00	3.55E-04	1.22E+00	5.82E+00	2.08E+00	1.84E+01	1.82E+01	1.02E+02
5508	491617.94	3860203.93	9.89652	12.58386	13.90064	21.82179	11.60383	13.71429	11.5991	12.58386	1.01E+02	5.66E+00	3.53E-04	1.13E+00	5.35E+00	1.90E+00	2.00E+01	2.09E+01	1.15E+02
5509	491805.68	3860271.59	8.43413	10.39737	13.17345	20.18129	12.74491	12.98543	9.46763	10.39737	8.65E+01	4.68E+00	3.34E-04	1.04E+00	5.87E+00	1.80E+00	1.63E+01	1.72E+01	9.90E+01
5510	491654.23	3860414.02	11.73588	29.21154	17.04634	13.08327	10.55465	8.90604	30.5562	29.21154	1.20E+02	1.31E+01	4.32E-04	6.77E-01	4.86E+00	1.23E+00	5.28E+01	4.84E+01	1.45E+02
5511	491592.62	3860510.76	8.26681	9.91141	17.48627	9.54013	11.6568	6.23435	9.70128	9.91141	8.48E+01	4.46E+00	4.44E-04	4.94E-01	5.37E+00	8.62E-01	1.67E+01	1.64E+01	9.63E+01
5512	491475.41	3860368.93	9.48821	16.88725	17.7461	12.35619	11.84431	7.6596	15.8049	16.88725	9.73E+01	7.60E+00	4.50E-04	6.40E-01	5.46E+00	1.06E+00	2.73E+01	2.80E+01	1.11E+02
5513	491445.61	3860337.28	9.94521	18.66587	17.66419	12.98805	11.91528	8.14089	17.3303	18.66587	1.02E+02	8.40E+00	4.48E-04	6.72E-01	5.49E+00	1.13E+00	2.99E+01	3.09E+01	1.17E+02
5514	491399.05	3860300.37	10.35956	19.17462	17.74524	13.68224	12.15154	8.64378	17.9289	19.17462	1.06E+02	8.63E+00	4.50E-04	7.08E-01	5.60E+00	1.20E+00	3.10E+01	3.18E+01	1.22E+02
5515	491228.84	3860235.98	9.39078	12.33006	18.61908	13.02547	13.16489	8.21179	10.6718	12.33006	9.63E+01	5.55E+00	4.72E-04	6.74E-01	6.07E+00	1.14E+00	1.84E+01	2.04E+01	1.08E+02
5516	491228.47	3860174.57	10.56208	18.37292	17.61412	16.24401	13.05274	10.61101	18.117	18.37292	1.08E+02	8.27E+00	4.47E-04	8.41E-01	6.02E+00	1.47E+00	3.13E+01	3.04E+01	1.26E+02
5517	491145.77	3860112.55	11.2911	18.44024	17.38694	18.14115	13.59828	12.18708	18.6764	18.44024	1.16E+02	8.30E+00	4.41E-04	9.39E-01	6.27E+00	1.68E+00	3.22E+01	3.06E+01	1.35E+02
5518	490844.41	3859966.22	11.46393	22.34061	19.75339	20.09787	15.60847	12.75278	20.1136	22.34061	1.18E+02	1.01E+01	5.01E-04	1.04E+00	7.19E+00	1.76E+00	3.47E+01	3.70E+01	1.35E+02
5519	490845.55	3859928.15	12.32077	30.85021	18.2029	25.49797	15.82779	17.5239	27.9235	30.85021	1.26E+02	1.39E+01	4.62E-04	1.32E+00	7.29E+00	2.42E+00	4.82E+01	5.11E+01	1.48E+02
5520	490046.91	3859625.6	12.4588	26.71484	38.65871	17.92854	22.67098	12.64309	21.9769	26.71484	1.28E+02	1.20E+01	9.81E-04	9.28E-01	1.04E+01	1.75E+00	3.79E+01	4.43E+01	1.47E+02
5521	489970.48	3859589.4	12.50347	25.14118	44.06974	16.93919	25.86348	12.2067	20.2431	25.14118	1.28E+02	1.13E+01	1.12E-03	8.77E-01	1.19E+01	1.69E+00	3.49E+01	4.17E+01	1.47E+02
5522	489865.89	3859529.06	13.0001	26.77002	64.12189	17.18981	30.02019	11.4876	21.2028	26.77002	1.33E+02	1.20E+01	1.63E-03	8.90E-01	1.38E+01	1.59E+00	3.66E+01	4.44E+01	1.54E+02
5523	489826.89	3859531.74	12.08823	20.07745	52.33831	16.74508	32.46169	11.14337	16.6441	20.07745	1.24E+02	9.04E+00	1.33E-03	8.67E-01	1.50E+01	1.54E+00	2.87E+01	3.33E+01	1.46E+02
5524	489410.47	3859303.06	12.28327	19.90689	46.58079	16.11055	45.07053	8.6157	16.1742	19.90689	1.26E+02	8.96E+00	1.18E-03	8.34E-01	2.08E+01	1.19E+00	2.79E+01	3.30E+01	1.53E+02
5525	489407.15	3859286.09	12.79485	23.70576	39.01959	16.8107	45.39693	8.97575	17.592	23.70576	1.31E+02	1.07E+01	9.90E-04	8.70E-01	2.09E+01	1.24E+00	3.04E+01	3.93E+01	1.56E+02
5526	488806.07	3858963.62	14.18788	20.59132	17.35609	18.04137	87.9452	10.03847	14.4935	20.59132	1.45E+02	9.27E+00	4.40E-04	9.34E-01	4.05E+01	1.39E+00	2.50E+01	3.41E+01	1.89E+02
5527	488817.64	3859546.3	14.53971	4.318	19.15206	11.84933	37.00802	12.5543	4.32093	4.318	1.49E+02	1.94E+00	4.86E-04	6.13E-01	1.71E+01	1.74E+00	7.46E+00	7.15E+00	1.71E+02
5528	489187.25	3859549.52	10.63549	5.83821	29.17419	43.35529	65.58719	12.98366	6.67328	5.83821	1.09E+02	2.63E+00	7.40E-04	2.24E+00	3.02E+01	1.80E+00	1.15E+01	9.67E+00	1.48E+02
5529	489187.66	3859523.74	10.74441	6.11685	30.92427	43.63798	66.41834	12.79124	6.98275	6.11685	1.10E+02	2.75E+00	7.84E-04	2.26E+00	3.06E+01	1.77E+00	1.21E+01	1.01E+01	1.49E+02
5530	489232.59	3859522.85	10.6516	6.40267	32.84818	35.28764	65.90637	12.03597	7.37556	6.40267	1.09E+02	2.88E+00	8.33E-04	1.83E+00	3.04E+01	1.66E+00	1.27E+01	1.06E+01	1.48E+02
5531	489224.98	3859759.91	12.01108	3.9988	22.82014	38.89019	57.35358	9.75274	4.98612	3.9988	1.23E+02	1.80E+00	5.79E-04	2.01E+00	2.64E+01	1.35E+00	8.61E+00	6.63E+00	1.57E+02
5532	488401.39	3859763.34	18.30271	3.23152	14.12048	7.9873	28.46306	19.62397	2.53984	3.23152	1.88E+02	1.45E+00	3.58E-04	4.13E-01	1.31E+01	2.71E+00	4.39E+00	5.35E+00	2.04E+02
5533	488405.51	3859966.16	19.14791	4.3243	12.12868	7.49826	25.32345	19.4934	4.3238	4.3243	1.96E+02	1.95E+00	3.08E-04	3.88E-01	1.17E+01	2.70E+00	7.47E+00	7.17E+00	2.13E+02
5534	489202.85	3859956.57	10.32609	3.39291	18.94775	63.66903	44.88442	6.98599	3.7201	3.39291	1.06E+02	1.53E+00	4.81E-04	3.30E+00	2.07E+01	9.66E-01	6.42E+00	5.62E+00	1.33E+02
5535	489191.9	3860676.74	18.05878	4.86675	13.01717	53.05352	10.98256	6.1171	4.89616	4.86675	1.85E+02	2.19E+00	3.30E-04	2.75E+00	5.06E+00	8.46E-01	8.45E+00	8.06E+00	1.96E+02
5536	488392.82	3860687.88	22.16219	3.53862	8.96741	7.16347	14.68764	27.49291	3.53518	3.53862	2.27E+02	1.59E+00	2.27E-04	3.71E-01	6.77E+00	3.80E+00	6.10E+00	5.86E+00	2.40E+02
5537	488392.82	3860760.27	22.03861	3.79829	8.87714	6.89525	13.95383	15.60073	3.80531	3.79829	2.26E+02	1.71E+00	2.25E-04	3.57E-01	6.43E+00	2.16E+00	6.57E+00	6.29E+00	2.37E+02
5538	487549.05	3860777.45	8.49201	3.5635	6.42535	4.9165	23.57468	10.42927	3.58032	3.5635	8.71E+01	1.60E+00	1.63E-04	2.55E-01	1.09E+01	1.44E+00	6.18E+00	5.90E+00	1.02E+02
5539	487554.62	3859571.83	20.53412	3.68739	9.11517	7.4302	28.19272	14.6189	2.77903	3.68739	2.11E+02	1.66E+00	2.31E-04	3.85E-01	1.30E+01	2.02E+00	4.80E+00	6.11E+00	2.26E+02
5540	485949.46	3859558.54	6.98749	4.64686	9.4301	4.99117	18.36952	5.91841	4.66854	4.64686	7.16E+01	2.09E+00	2.39E-04	2.58E-01	8.47E+00	8.18E-01	8.06E+00	7.70E+00	8.36E+01
5541	485947.55	3857943.61	16.04275	5.04301	10.23189	5.36961	37.26294	19.45822	3.2242	5.04301	1.65E+02	2.27E+00	2.60E-04	2.78E-01	1.72E+01	2.69E+00	5.57E+00	8.36E+00	1.84E+02
5542	484738.38	3857940.21	9.85744	2.39896	7.05949	4.18328	31.66056	8.6123	2.0047	2.39896	1.01E+02	1.08E+00	1.79E-04	2.17E-01	1.46E+01	1.19E+00	3.46E+00	3.97E+00	1.18E+02

5543	484737.06	3857535.68	12.97858	3.17475	9.96026	4.40703	35.62335	7.34376	2.49358	3.17475	1.33E+02	1.43E+00	2.53E-04	2.28E-01	1.64E+01	1.02E+00	4.31E+00	5.26E+00	1.51E+02
5544	483730.2	3857530.13	5.83321	2.36755	12.56814	3.66095	21.06557	6.8293	1.87348	2.36755	5.98E+01	1.07E+00	3.19E-04	1.90E-01	9.71E+00	9.44E-01	3.23E+00	3.92E+00	7.10E+01
5545	483727.27	3857130.01	10.37317	2.81326	13.40727	3.39131	20.11122	5.13337	2.19825	2.81326	1.06E+02	1.27E+00	3.40E-04	1.76E-01	9.27E+00	7.10E-01	3.80E+00	4.66E+00	1.17E+02
5546	483124.42	3857123.45	7.94892	2.33164	11.10915	3.29895	17.98627	5.26927	1.88133	2.33164	8.15E+01	1.05E+00	2.82E-04	1.71E-01	8.29E+00	7.28E-01	3.25E+00	3.86E+00	9.11E+01
5547	483111.13	3855921.03	9.58481	3.32891	13.44002	2.70273	22.87399	6.32491	1.84585	3.32891	9.83E+01	1.50E+00	3.41E-04	1.40E-01	1.05E+01	8.74E-01	3.19E+00	5.52E+00	1.09E+02
5548	482701.73	3855918.24	8.27209	2.42317	17.1167	2.8443	24.5399	4.52139	1.41857	2.42317	8.48E+01	1.09E+00	4.34E-04	1.47E-01	1.13E+01	6.25E-01	2.45E+00	4.02E+00	9.64E+01
5549	482668.02	3853521.78	11.50631	9.56218	6.90507	11.52031	9.80855	7.25032	8.87044	9.56218	1.18E+02	4.30E+00	1.75E-04	5.96E-01	4.52E+00	1.00E+00	1.53E+01	1.58E+01	1.28E+02
5550	482579.91	3853219.19	10.63262	9.484	7.08118	7.94943	7.42147	6.35578	9.93047	9.484	1.09E+02	4.27E+00	1.80E-04	4.12E-01	3.42E+00	8.79E-01	1.71E+01	1.57E+01	1.19E+02
5551	482434.06	3852961.94	9.85692	14.19239	5.68079	6.37562	8.52402	5.28457	14.4036	14.19239	1.01E+02	6.39E+00	1.44E-04	3.30E-01	3.93E+00	7.31E-01	2.49E+01	2.35E+01	1.14E+02
5552	482332.11	3852832.85	9.44203	16.52301	6.26868	5.68534	8.59255	4.9962	16.7914	16.52301	9.68E+01	7.44E+00	1.59E-04	2.94E-01	3.96E+00	6.91E-01	2.90E+01	2.74E+01	1.11E+02
5553	481334.99	3851818.96	7.80559	11.35002	7.53016	3.28318	7.22009	3.94422	11.4539	11.35002	8.00E+01	5.11E+00	1.91E-04	1.70E-01	3.33E+00	5.45E-01	1.98E+01	1.88E+01	9.02E+01
5554	481127.62	3851646.36	7.26659	15.40747	5.3782	3.19309	6.95213	3.77053	15.4568	15.40747	7.45E+01	6.93E+00	1.36E-04	1.65E-01	3.20E+00	5.21E-01	2.67E+01	2.55E+01	8.65E+01
5555	481025.04	3851591.73	6.97635	15.67827	4.01291	3.38853	6.86338	3.72202	15.7671	15.67827	7.15E+01	7.06E+00	1.02E-04	1.75E-01	3.16E+00	5.15E-01	2.72E+01	2.60E+01	8.37E+01
5556	480513.6	3851335.76	6.14993	15.71262	1.21417	4.50072	6.06674	3.78559	16.1146	15.71262	6.31E+01	7.07E+00	3.08E-05	2.33E-01	2.80E+00	5.23E-01	2.78E+01	2.60E+01	7.55E+01
5557	480523.56	3851317.66	6.28369	18.66457	1.21651	4.32526	6.15311	3.72681	19.126	18.66457	6.44E+01	8.40E+00	3.09E-05	2.24E-01	2.84E+00	5.15E-01	3.30E+01	3.09E+01	7.85E+01
5558	476921.56	3849569.11	2.71686	12.94452	4.92275	1.87566	3.81202	1.46962	12.9812	12.94452	2.79E+01	5.83E+00	1.25E-04	9.71E-02	1.76E+00	2.03E-01	2.24E+01	2.14E+01	3.67E+01
5559	476521.19	3849373.96	2.61706	14.71868	4.42599	2.09287	4.23173	1.626	14.7768	14.71868	2.68E+01	6.62E+00	1.12E-04	1.08E-01	1.95E+00	2.25E-01	2.55E+01	2.44E+01	3.69E+01
5560	476391.45	3849333.38	2.56695	15.18486	4.1169	2.2741	4.63375	1.74354	15.2971	15.18486	2.63E+01	6.83E+00	1.04E-04	1.18E-01	2.14E+00	2.41E-01	2.64E+01	2.52E+01	3.69E+01
5561	476219.41	3849304.29	2.47625	15.14469	3.47145	2.60664	5.39711	1.87642	15.2903	15.14469	2.54E+01	6.82E+00	8.81E-05	1.35E-01	2.49E+00	2.59E-01	2.64E+01	2.51E+01	3.64E+01
5562	475679.11	3849218.47	3.12149	18.2027	1.20424	3.39863	7.42415	2.18813	18.3154	18.2027	3.20E+01	8.19E+00	3.05E-05	1.76E-01	3.42E+00	3.03E-01	3.16E+01	3.02E+01	4.56E+01
5563	475677.71	3849233.88	3.11232	16.02288	1.1486	3.39857	7.48114	2.2056	16.1285	16.02288	3.19E+01	7.21E+00	2.91E-05	1.76E-01	3.45E+00	3.05E-01	2.78E+01	2.65E+01	4.44E+01
5564	475492.74	3849204.66	2.35558	13.38925	0.57944	3.71122	8.0273	2.31457	13.4658	13.38925	2.42E+01	6.03E+00	1.47E-05	1.92E-01	3.70E+00	3.20E-01	2.32E+01	2.22E+01	3.55E+01
5565	475497.64	3849158.75	4.54214	21.39197	0.64679	3.70797	7.87157	2.32099	21.5068	21.39197	4.66E+01	9.63E+00	1.64E-05	1.92E-01	3.63E+00	3.21E-01	3.71E+01	3.54E+01	6.20E+01
5566	475391.35	3849141.94	3.7673	18.21752	0.73747	3.53166	7.91212	2.32002	18.3099	18.21752	3.86E+01	8.20E+00	1.87E-05	1.83E-01	3.65E+00	3.21E-01	3.16E+01	3.02E+01	5.24E+01
5567	475277	3849095.47	3.69396	19.94641	0.92954	3.46289	7.82976	2.28935	20.0664	19.94641	3.79E+01	8.98E+00	2.36E-05	1.79E-01	3.61E+00	3.17E-01	3.46E+01	3.30E+01	5.26E+01
5568	475183.93	3849025.66	3.48521	23.65095	0.8835	3.45483	7.7876	2.27929	23.7196	23.65095	3.57E+01	1.06E+01	2.24E-05	1.79E-01	3.59E+00	3.15E-01	4.10E+01	3.92E+01	5.22E+01
5569	474453.23	3848378.77	4.06981	19.56153	0.55485	3.10407	6.59582	1.9516	20.9012	19.56153	4.17E+01	8.80E+00	1.41E-05	1.61E-01	3.04E+00	2.70E-01	3.61E+01	3.24E+01	5.77E+01
5570	474569.63	3848399.34	2.82911	25.33047	0.71022	3.08638	6.26768	1.87496	25.4833	25.33047	2.90E+01	1.14E+01	1.80E-05	1.60E-01	2.89E+00	2.59E-01	4.40E+01	4.20E+01	4.57E+01
5571	474644.33	3848464.52	2.8425	24.73812	0.71174	3.13647	6.43476	1.9217	24.8916	24.73812	2.91E+01	1.11E+01	1.81E-05	1.62E-01	2.97E+00	2.66E-01	4.30E+01	4.10E+01	4.57E+01
5572	474719.04	3848529.7	2.85715	24.43805	0.70494	3.19381	6.59687	1.96801	24.591	24.43805	2.93E+01	1.10E+01	1.79E-05	1.65E-01	3.04E+00	2.72E-01	4.25E+01	4.05E+01	4.57E+01
5573	474793.74	3848594.88	2.93227	24.6826	0.67674	3.28077	6.76229	2.01774	24.8379	24.6826	3.01E+01	1.11E+01	1.72E-05	1.70E-01	3.12E+00	2.79E-01	4.29E+01	4.09E+01	4.67E+01
5574	474868.45	3848660.07	3.0675	24.46261	0.63402	3.38089	6.92397	2.06569	24.6162	24.46261	3.15E+01	1.10E+01	1.61E-05	1.75E-01	3.19E+00	2.86E-01	4.25E+01	4.05E+01	4.81E+01
5575	474943.15	3848725.25	3.23046	24.51955	0.6107	3.44883	7.08094	2.10923	24.6715	24.51955	3.31E+01	1.10E+01	1.55E-05	1.79E-01	3.26E+00	2.92E-01	4.26E+01	4.06E+01	4.99E+01
5576	475017.86	3848790.43	3.44895	24.82448	0.61294	3.48293	7.2373	2.1516	24.9763	24.82448	3.54E+01	1.12E+01	1.55E-05	1.80E-01	3.34E+00	2.97E-01	4.31E+01	4.11E+01	5.23E+01
5577	475092.56	3848855.61	3.76572	24.20391	0.62575	3.49472	7.37728	2.18942	24.3501	24.20391	3.86E+01	1.09E+01	1.59E-05	1.81E-01	3.40E+00	3.03E-01	4.20E+01	4.01E+01	5.53E+01
5578	475232.58	3848959.38	4.08884	20.88041	0.68038	3.50448	7.51979	2.2294	21.0038	20.88041	4.19E+01	9.40E+00	1.73E-05	1.81E-01	3.47E+00	3.08E-01	3.63E+01	3.46E+01	5.69E+01
5579	475368.47	3849029.98	3.92042	16.77498	0.79143	3.56801	7.51793	2.23859	16.899	16.77498	4.02E+01	7.55E+00	2.01E-05	1.85E-01	3.46E+00	3.09E-01	2.92E+01	2.78E+01	5.31E+01
5580	475609.57	3849096.09	3.3798	15.64382	1.27293	3.52607	6.96842	2.12065	15.8459	15.64382	3.47E+01	7.04E+00	3.23E-05	1.83E-01	3.21E+00	2.93E-01	2.74E+01	2.59E+01	4.68E+01
5581	475680.68	3849116.62	3.01194	19.35622	1.54381	3.36634	6.78229	2.06227	19.594	19.35622	3.09E+01	8.71E+00	3.92E-05	1.74E-01	3.13E+00	2.85E-01	3.38E+01	3.21E+01	4.49E+01
5582	475843.76	3849151.52	2.87417	20.66343	2.19597	3.06256	6.16887	1.85128	20.8743	20.66343	2.95E+01	9.30E+00	5.57E-05	1.59E-01	2.84E+00	2.56E-01	3.60E+01	3.42E+01	4.38E+01
5583	475935.73	3849165.89	2.84443	19.74196	2.69151	2.81689	5.74934	1.80791	19.9014	19.74196	2.92E+01	8.88E+00	6.83E-05	1.46E-01	2.65E+00	2.50E-01	3.44E+01	3.27E+01	4.27E+01
5584	476027.7	3849180.26	2.83382	18.81816	3.15228	2.59336	5.33476	1.84389	18.9247	18.81816	2.91E+01	8.47E+00	8.00E-05	1.34E-01	2.46E+00	2.55E-01	3.27E+01	3.12E+01	4.19E+01
5585	476119.68	3849194.64	2.89388	22.38056	3.4426	2.4414	4.86866	1.76671	22.411	22.38056	2.97E+01	1.01E+01	8.73E-05	1.26E-01	2.24E+00	2.44E-01	3.87E+01	3.71E+01	4.40E+01
5586	476211.65	3849209.01	2.95642	22.86978	3.76987	2.22686	4.401	1.68609	22.9078	22.86978	3.03E+01	1.03E+01	9.56E-05	1.15E-01	2.03E+00	2.33E-01	3.96E+01	3.79E+01	4.46E+01
5587	476497.8	3849283.9	3.3808	29.62063	4.42868	1.71338	3.35733	1.45153	30.099	29.62063	3.47E+01	1.33E+01	1.12E-04	8.87E-02	1.55E+00	2.01E-01	5.20E+01	4.91E+01	5.27E+01
5588	476603.73	3849323.77	3.48216	32.06626	4.55629	1.60586	3.15065	1.45524	32.73	32.06626	3.57E+01	1.44E+01	1.16E-04	8.31E-02	1.45E+00	2.01E-01	5.65E+01	5.31E+01	5.53E+01
5589	476728.99	3849382.76	3.51263	31.19233	4.63071	1.53159	3.00172	1.4587	31.6092	31.19233	3.60E+01	1.40E+01	1.17E-04	7.93E-02	1.38E+00	2.02E-01	5.46E+01	5.17E+01	5.46E+01
5590	476801.27	3849418.65	3.52064	30.10513	4.65901	1.5024	2.94595	1.46037	30.428	30.10513	3.61E+01	1.35E+01	1.18E-04	7.78E-02	1.36E+00	2.02E-01	5.25E+01	4.99E+01	5.39E+01
5591	476956.2	3849495.05	3.53764	27.26118	4.66093	1.4377	2.82505	1.46283	27.448	27.26118	3.63E+01	1.23E+01	1.18E-04	7.44E-02	1.30E+00	2.02E-01	4.74E+01	4.52E+01	5.23E+01
5592	477038.84	3849535.56	3.55195	27.26583	4.59723	1.38614	2.70056	1.46349	27.4643	27.26583	3.64E+01	1.23E+01	1.17E-04	7.18E-02	1.24E+00	2.02E-01	4.74E+01	4.52E+01	5.25E+01
5593	477121.48	3849576.08	3.55972	27.24572	4.5416	1.34817	2.62713	1.46382	27.3839	27.24572	3.65E+01	1.23E+01	1.15E-04	6.98E-02	1.21E+00	2.02E-01	4.73E+01	4.51E+01	5.24E+01
5594	477204.13	3849616.6	3.57043	27.55133	4.42051	1.29905	2.51175	1.46378	27.6305	27.55133	3.66E+01	1.24E+01	1.12E-04	6.72E-02	1.16E+00	2.02E-01	4.77E+01	4.57E+01	5.25E+01
5595	477286.78	3849657.12	3.59607	27.13107	4.21027	1.34053	2.25131	1.46341	27.1602	27.13107	3.69E+01	1.22E+01	1.07E-04	6.94E-02	1.04E+00	2.02E-01	4.69E+01	4.50E+01	5.23E+01
5596	477369.42	3849697.63	3.58333	27.70302	4.20772	1.38189	2.3458	1.4627	27.7008	27.70302	3.67E+01	1.25E+01	1.07E-04	7.15E-02	1.08E+00	2.02E-01	4.78E+01	4.59E+01	5.25E+01
5597	477452.07	3849738.15	3.59299	28.3436	4.06788	1.42435	2.33308	1.46172	28.2407	28.3436	3.68E+01	1.28E+01	1.03E-04	7.37E-02	1.08E+00	2.02E-01	4.88E+01	4.70E+01	5.27E+01
5598	477534.71	3849778.67	3.58605	27.68162	3.99773	1.46588	2.39586	1.4601	27.5392	27.68162	3.68E+01	1.25E+01	1.01E-04	7.59E-02	1.10E+00	2.02E-01	4.75E+01	4.59E+01	5.23E+01
5599	477617.35	3849819.18	3.59788	28.47171	3.83019	1.50905	2.4527	1.45852	28.2375	28.47171	3.69E+01	1.28E+01	9.72E-05	7.81E-02	1.13E+00	2.02E-01	4.88E+01	4.72E+01	5.27E+01
5600	477824.74	3849896.37	3.75163	20.20568	3.29737	1.64887	2.65006	1.44665	20.1302	20.20568	3.85E+01	9.09E+00	8.36E-05	8.54E-02	1.22E+00	2.00E-01	3.48E+01	3.35E+01	5.03E+01
5601	477906.31	3849936.37	3.76579	21.10957	3.26468	1.69494	2.6991	1.44506	20.9616	21.10957	3.86E+01	9.50E+00	8.28E-05	8.77E-02	1.24E+00	2.00E-01	3.62E+01	3.50E+01	5.09E+01

5602	477987.89	3849976.36	3.74358	21.24144	3.2451	1.7357	2.76023	1.44164	21.0734	21.24144	3.84E+01	9.56E+00	8.23E-05	8.99E-02	1.27E+00	1.99E-01	3.64E+01	3.52E+01	5.07E+01
5603	478069.47	3850016.36	3.74251	21.45078	3.17339	1.77933	2.81389	1.439	21.2262	21.45078	3.84E+01	9.65E+00	8.05E-05	9.21E-02	1.30E+00	1.99E-01	3.66E+01	3.55E+01	5.07E+01
5604	478151.04	3850056.35	3.73788	21.72571	3.07773	1.82214	2.86932	1.43599	21.4898	21.72571	3.83E+01	9.78E+00	7.81E-05	9.43E-02	1.32E+00	1.99E-01	3.71E+01	3.60E+01	5.08E+01
5605	478232.62	3850096.35	3.7168	21.83598	2.99906	1.86232	2.92848	1.4424	21.5559	21.83598	3.81E+01	9.83E+00	7.61E-05	9.64E-02	1.35E+00	1.99E-01	3.72E+01	3.62E+01	5.06E+01
5606	478314.2	3850136.34	3.69439	21.85675	2.91307	1.9669	2.9876	1.53101	21.5318	21.85675	3.79E+01	9.84E+00	7.39E-05	1.02E-01	1.38E+00	2.12E-01	3.72E+01	3.62E+01	5.04E+01
5607	478395.77	3850176.34	3.67935	21.81623	2.81846	2.17288	3.04695	1.62155	21.4625	21.81623	3.77E+01	9.82E+00	7.15E-05	1.12E-01	1.40E+00	2.24E-01	3.71E+01	3.61E+01	5.02E+01
5608	478575.43	3850244.45	4.00741	17.82493	2.50361	2.78711	3.20858	1.866	17.602	17.82493	4.11E+01	8.02E+00	6.35E-05	1.44E-01	1.48E+00	2.58E-01	3.04E+01	2.95E+01	5.19E+01
5609	478665.06	3850287.29	4.17527	17.56672	2.37983	3.03396	3.2735	1.95772	17.3304	17.56672	4.28E+01	7.91E+00	6.04E-05	1.57E-01	1.51E+00	2.71E-01	2.99E+01	2.91E+01	5.35E+01
5610	478754.69	3850330.14	4.34334	17.26444	2.26092	3.27108	3.33794	2.03987	17.0157	17.26444	4.45E+01	7.77E+00	5.74E-05	1.69E-01	1.54E+00	2.82E-01	2.94E+01	2.86E+01	5.51E+01
5611	478844.32	3850372.99	4.5092	16.87995	2.15287	3.49209	3.40103	2.14587	16.6768	16.87995	4.62E+01	7.60E+00	5.46E-05	1.81E-01	1.57E+00	2.97E-01	2.88E+01	2.80E+01	5.67E+01
5612	478933.95	3850415.84	4.67275	17.04779	2.05637	3.68448	3.46461	2.54853	16.826	17.04779	4.79E+01	7.67E+00	5.22E-05	1.91E-01	1.60E+00	3.52E-01	2.91E+01	2.82E+01	5.85E+01
5613	479023.58	3850458.68	4.86355	16.98759	1.92694	3.89866	3.52057	2.90674	16.7236	16.98759	4.99E+01	7.65E+00	4.89E-05	2.02E-01	1.62E+00	4.02E-01	2.89E+01	2.81E+01	6.05E+01
5614	479110.66	3850441.9	5.74561	12.51286	1.6764	4.21711	3.85387	3.50996	12.375	12.51286	5.89E+01	5.63E+00	4.25E-05	2.18E-01	1.78E+00	4.85E-01	2.14E+01	2.07E+01	6.77E+01
5615	479191.22	3850423.99	6.42024	10.0862	1.47609	4.33506	4.29221	3.87685	10.0114	10.0862	6.58E+01	4.54E+00	3.74E-05	2.24E-01	1.98E+00	5.36E-01	1.73E+01	1.67E+01	7.37E+01
5616	479274.32	3850465.71	6.58004	10.09004	1.41524	4.37216	4.45903	4.01039	10.0139	10.09004	6.75E+01	4.54E+00	3.59E-05	2.26E-01	2.05E+00	5.54E-01	1.73E+01	1.67E+01	7.54E+01
5617	479357.43	3850507.42	6.75804	10.1905	1.34809	4.41189	4.62328	4.06784	10.1114	10.1905	6.93E+01	4.59E+00	3.42E-05	2.28E-01	2.13E+00	5.62E-01	1.75E+01	1.69E+01	7.74E+01
5618	479440.53	3850549.14	6.94006	10.09763	1.28601	4.42723	5.26536	4.0511	9.98936	10.09763	7.12E+01	4.54E+00	3.26E-05	2.29E-01	2.43E+00	5.60E-01	1.72E+01	1.67E+01	7.94E+01
5619	479523.64	3850590.85	7.10521	9.7417	1.2379	4.40073	5.52674	3.99631	9.62957	9.7417	7.29E+01	4.38E+00	3.14E-05	2.28E-01	2.55E+00	5.52E-01	1.66E+01	1.61E+01	8.11E+01
5620	479606.74	3850632.57	7.23666	9.66581	1.20114	4.33992	5.74442	3.92654	9.59595	9.66581	7.42E+01	4.35E+00	3.05E-05	2.25E-01	2.65E+00	5.43E-01	1.66E+01	1.60E+01	8.25E+01
5621	479777.37	3850707.61	7.1189	9.34915	1.12496	4.08486	6.23159	3.67216	9.26025	9.34915	7.30E+01	4.21E+00	2.85E-05	2.11E-01	2.87E+00	5.08E-01	1.60E+01	1.55E+01	8.13E+01
5622	479864.9	3850740.95	6.67886	9.08577	1.09167	3.87609	6.3959	3.55922	9.01536	9.08577	6.85E+01	4.09E+00	2.77E-05	2.01E-01	2.95E+00	4.92E-01	1.56E+01	1.51E+01	7.67E+01
5623	479931.87	3850829.56	6.74957	11.24146	1.12837	4.12069	6.23917	3.66705	11.0919	11.24146	6.92E+01	5.06E+00	2.86E-05	2.13E-01	2.88E+00	5.07E-01	1.92E+01	1.86E+01	7.84E+01
5624	479995.55	3850926.75	6.85827	16.58995	1.18797	4.39676	5.51848	3.86924	16.2461	16.58995	7.03E+01	7.47E+00	3.01E-05	2.28E-01	2.54E+00	5.35E-01	2.80E+01	2.75E+01	8.17E+01
5625	480079.78	3850968.64	6.99083	16.30561	1.16591	4.27596	5.67726	3.81601	15.9875	16.30561	7.17E+01	7.34E+00	2.96E-05	2.21E-01	2.62E+00	5.28E-01	2.76E+01	2.70E+01	8.30E+01
5626	480164.01	3851010.54	7.12902	16.08519	1.14328	4.1286	5.82418	3.75723	15.7632	16.08519	7.31E+01	7.24E+00	2.90E-05	2.14E-01	2.68E+00	5.19E-01	2.72E+01	2.67E+01	8.43E+01
5627	480248.23	3851052.43	7.2839	15.87942	1.12039	3.96431	5.95844	3.69869	15.5492	15.87942	7.47E+01	7.15E+00	2.84E-05	2.05E-01	2.75E+00	5.11E-01	2.68E+01	2.63E+01	8.58E+01
5628	480332.46	3851094.33	7.49646	15.92955	1.14387	3.79672	6.08154	3.63094	15.6449	15.92955	7.69E+01	7.17E+00	2.90E-05	1.97E-01	2.80E+00	5.02E-01	2.70E+01	2.64E+01	8.82E+01
5629	480416.69	3851136.22	7.74953	16.31194	1.17224	3.62806	6.1959	3.56381	16.065	16.31194	7.95E+01	7.34E+00	2.97E-05	1.88E-01	2.86E+00	4.93E-01	2.77E+01	2.70E+01	9.10E+01
5630	480579.95	3851215.17	8.03559	16.41738	1.17536	3.24703	6.36775	3.49812	16.2728	16.41738	8.24E+01	7.39E+00	2.98E-05	1.68E-01	2.93E+00	4.84E-01	2.81E+01	2.72E+01	9.43E+01
5631	480658.98	3851252.22	8.16518	16.1983	1.49802	3.0464	6.421	3.48631	16.1078	16.1983	8.37E+01	7.29E+00	3.80E-05	1.58E-01	2.96E+00	4.82E-01	2.78E+01	2.68E+01	9.56E+01
5632	480817.36	3851327.85	8.51861	15.95849	2.91953	2.99876	6.47526	3.50602	15.9703	15.95849	8.74E+01	7.18E+00	7.41E-05	1.55E-01	2.98E+00	4.85E-01	2.76E+01	2.64E+01	9.93E+01
5633	480896.71	3851366.42	8.78984	15.97401	3.834	2.95955	6.47465	3.52709	16.0363	15.97401	9.01E+01	7.19E+00	9.73E-05	1.53E-01	2.98E+00	4.88E-01	2.77E+01	2.65E+01	1.02E+02
5634	480976.07	3851405	9.10334	18.58164	4.86376	2.90432	6.45362	3.5532	19.1177	18.58164	9.33E+01	8.36E+00	1.23E-04	1.50E-01	2.97E+00	4.91E-01	3.30E+01	3.08E+01	1.08E+02
5635	481178	3851487.31	8.13122	16.67628	7.49459	2.69151	6.21348	3.82926	17.3501	16.67628	8.34E+01	7.51E+00	1.90E-04	1.39E-01	2.86E+00	5.29E-01	3.00E+01	2.76E+01	9.67E+01
5636	481244.9	3851557.17	8.16046	18.82372	7.9147	2.76498	6.36522	3.88117	19.2882	18.82372	8.37E+01	8.47E+00	2.01E-04	1.43E-01	2.93E+00	5.37E-01	3.33E+01	3.12E+01	9.79E+01
5637	481311.81	3851627.03	8.20207	23.87826	8.2667	2.84384	6.52045	3.90146	24.2201	23.87826	8.41E+01	1.07E+01	2.10E-04	1.47E-01	3.00E+00	5.39E-01	4.18E+01	3.96E+01	1.01E+02
5638	481378.71	3851696.89	8.24937	26.08441	8.54567	2.92616	6.67541	3.88656	26.2256	26.08441	8.46E+01	1.17E+01	2.17E-04	1.51E-01	3.08E+00	5.37E-01	4.53E+01	4.32E+01	1.02E+02
5639	481445.61	3851766.76	8.29018	26.52918	8.75184	3.00847	6.83232	3.8187	26.5534	26.52918	8.50E+01	1.19E+01	2.22E-04	1.56E-01	3.15E+00	5.28E-01	4.58E+01	4.40E+01	1.03E+02
5640	481512.51	3851836.62	8.34165	25.50189	8.8483	3.09729	6.99554	3.77745	25.5561	25.50189	8.55E+01	1.15E+01	2.24E-04	1.60E-01	3.22E+00	5.22E-01	4.41E+01	4.23E+01	1.03E+02
5641	481579.42	3851906.48	8.3919	24.34238	8.83849	3.18829	7.16195	3.82223	24.4241	24.34238	8.61E+01	1.10E+01	2.24E-04	1.65E-01	3.30E+00	5.28E-01	4.22E+01	4.03E+01	1.03E+02
5642	481646.32	3851976.34	8.42714	23.25469	8.72687	3.2787	7.32538	3.8681	23.3587	23.25469	8.64E+01	1.05E+01	2.21E-04	1.70E-01	3.38E+00	5.35E-01	4.03E+01	3.85E+01	1.03E+02
5643	481713.22	3852046.2	8.50158	22.19481	8.4348	3.38587	7.49818	3.91077	22.3142	22.19481	8.72E+01	9.99E+00	2.14E-04	1.75E-01	3.46E+00	5.41E-01	3.85E+01	3.68E+01	1.03E+02
5644	481780.12	3852116.06	8.5203	21.54025	8.14037	3.47032	7.65818	3.9597	21.6674	21.54025	8.74E+01	9.69E+00	2.07E-04	1.80E-01	3.53E+00	5.47E-01	3.74E+01	3.57E+01	1.03E+02
5645	481847.03	3852185.92	8.5129	20.92812	7.83948	3.54139	7.81327	4.00629	21.0598	20.92812	8.73E+01	9.42E+00	1.99E-04	1.83E-01	3.60E+00	5.54E-01	3.64E+01	3.47E+01	1.03E+02
5646	481913.93	3852255.78	8.49302	20.12691	7.54873	3.60245	7.95928	4.04819	20.2696	20.12691	8.71E+01	9.06E+00	1.91E-04	1.86E-01	3.67E+00	5.60E-01	3.50E+01	3.33E+01	1.02E+02
5647	481980.83	3852325.65	8.44976	19.71294	7.37064	3.64469	8.09059	4.08134	19.2094	19.71294	8.66E+01	8.87E+00	1.87E-04	1.89E-01	3.73E+00	5.64E-01	3.32E+01	3.27E+01	1.00E+02
5648	482047.73	3852395.51	8.62077	20.0813	7.01823	3.70942	8.24068	4.11687	19.1096	20.0813	8.84E+01	9.04E+00	1.78E-04	1.92E-01	3.80E+00	5.69E-01	3.30E+01	3.33E+01	1.02E+02
5649	482114.64	3852465.37	8.92365	20.39997	6.87304	3.74616	8.37221	4.13965	19.0382	20.39997	9.15E+01	9.18E+00	1.74E-04	1.94E-01	3.86E+00	5.72E-01	3.29E+01	3.38E+01	1.04E+02
5650	482181.54	3852535.23	9.2961	20.9588	6.44863	3.82161	8.53359	4.17824	20.1998	20.9588	9.53E+01	9.43E+00	1.64E-04	1.98E-01	3.93E+00	5.78E-01	3.49E+01	3.47E+01	1.10E+02
5651	482338.69	3852700.04	10.10386	22.50584	6.10128	3.94188	8.87144	4.2471	23.4347	22.50584	1.04E+02	1.01E+01	1.55E-04	2.04E-01	4.09E+00	5.87E-01	4.05E+01	3.73E+01	1.22E+02
5652	482404.05	3852767.78	10.17461	23.05208	6.11756	4.08993	9.00988	4.27045	24.5707	23.05208	1.04E+02	1.04E+01	1.55E-04	2.12E-01	4.15E+00	5.90E-01	4.24E+01	3.82E+01	1.24E+02
5653	482469.4	3852835.52	9.97181	22.24839	6.70689	4.29238	9.14285	4.2913	24.2067	22.24839	1.02E+02	1.00E+01	1.70E-04	2.22E-01	4.21E+00	5.93E-01	4.18E+01	3.69E+01	1.22E+02
5654	482534.75	3852903.25	9.52722	17.97174	8.64677	4.52495	9.28864	4.48863	19.8538	17.97174	9.77E+01	8.09E+00	2.19E-04	2.34E-01	4.28E+00	6.21E-01	3.43E+01	2.98E+01	1.15E+02
5655	482600.11	3852970.99	8.81543	19.45371	10.46367	4.75775	9.41556	4.74673	17.6817	19.45371	9.04E+01	8.76E+00	2.65E-04	2.46E-01	4.34E+00	6.56E-01	3.05E+01	3.22E+01	1.03E+02
5656	482706.71	3853119.28	7.84002	19.8491	12.37058	5.81828	9.5122	5.21776	14.9983	19.8491	8.04E+01	8.93E+00	3.14E-04	3.01E-01	4.38E+00	7.21E-01	2.59E+01	3.29E+01	8.77E+01
5657	482747.96	3853199.84	7.95685	17.22288	12.79833	6.58971	9.33623	5.4505	15.8839	17.22288	8.16E+01	7.75E+00	3.25E-04	3.41E-01	4.30E+00	7.54E-01	2.74E+01	2.85E+01	9.36E+01
5658	482789.21	3853280.4	8.07112	17.78237	13.01354	7.30357	9.04108	5.70761	17.9929	17.78237	8.28E+01	8.00E+00	3.30E-04	3.78E-01	4.17E+00	7.89E-01	3.11E+01	2.95E+01	9.77E+01
5659	482830.46	3853360.96	8.20674	18.52511	12.99566	7.94922	8.65079	6.04186	18.7658	18.52511	8.42E+01	8.34E+00	3.30E-04	4.12E-01	3.99E+00	8.35E-01	3.24E+01	3.07E+01	9.94E+01
5660	482871.71	3853441.52	8.40705	17.53425	12.64299	8.48207	8.16291	6.45945	18.0914	17.53425	8.62E+01	7.89E+00	3.21E-04	4.39E-01	3.76E+00	8.93E-01	3.12E+01	2.91E+01	1.01E+02

5661	482912.95	3853522.07	8.8601	16.11249	11.74284	9.01247	7.61873	7.09917	17.1079	16.11249	9.09E+01	7.25E+00	2.98E-04	4.67E-01	3.51E+00	9.81E-01	2.95E+01	2.67E+01	1.06E+02
5662	482954.2	3853602.63	9.3533	14.55715	11.04707	10.35791	7.54627	7.9616	15.9126	14.55715	9.59E+01	6.55E+00	2.80E-04	5.36E-01	3.48E+00	1.10E+00	2.75E+01	2.41E+01	1.11E+02
5663	482995.45	3853683.19	9.91028	13.15401	12.1089	12.97781	8.96418	9.29028	14.8017	13.15401	1.02E+02	5.92E+00	3.07E-04	6.72E-01	4.13E+00	1.28E+00	2.56E+01	2.18E+01	1.17E+02
5664	483036.7	3853763.75	10.53116	11.83936	12.89049	16.53962	10.50676	11.46737	13.9213	11.83936	1.08E+02	5.33E+00	3.27E-04	8.56E-01	4.84E+00	1.59E+00	2.40E+01	1.96E+01	1.25E+02
5665	483214.2	3853909.91	11.29178	10.91526	21.73497	21.88058	11.8391	13.85701	12.0328	10.91526	1.16E+02	4.91E+00	5.51E-04	1.13E+00	5.46E+00	1.92E+00	2.08E+01	1.81E+01	1.32E+02
5666	483307.01	3853910.44	10.24288	8.48216	10.80568	14.1607	10.12779	10.50762	9.0952	8.48216	1.05E+02	3.82E+00	2.74E-04	7.33E-01	4.67E+00	1.45E+00	1.57E+01	1.41E+01	1.17E+02
5667	483399.83	3853910.96	8.96766	4.75118	9.21887	11.49952	8.92649	8.44697	5.24836	4.75118	9.20E+01	2.14E+00	2.34E-04	5.95E-01	4.11E+00	1.17E+00	9.06E+00	7.87E+00	1.01E+02
5668	483494.52	3854009.24	8.57519	4.33918	10.26248	11.99384	9.6022	9.93503	5.76039	4.33918	8.79E+01	1.95E+00	2.60E-04	6.21E-01	4.43E+00	1.37E+00	9.95E+00	7.19E+00	9.91E+01
5669	483496.41	3854106.98	9.41854	6.41537	10.93288	16.7238	12.78963	11.05116	7.16009	6.41537	9.66E+01	2.89E+00	2.77E-04	8.66E-01	5.89E+00	1.53E+00	1.24E+01	1.06E+01	1.09E+02
5670	483577.56	3854261.96	10.99661	7.03483	11.01298	52.75974	16.57477	21.79349	8.54586	7.03483	1.13E+02	3.17E+00	2.79E-04	2.73E+00	7.64E+00	3.01E+00	1.48E+01	1.17E+01	1.32E+02
5671	483656.83	3854319.19	11.08735	5.67656	16.56677	53.27913	17.54797	20.8657	8.96985	5.67656	1.14E+02	2.55E+00	4.20E-04	2.76E+00	8.09E+00	2.88E+00	1.55E+01	9.41E+00	1.36E+02
5672	483736.1	3854376.41	11.20055	4.29093	18.00278	53.22692	18.07227	19.77693	9.5256	4.29093	1.15E+02	1.93E+00	4.57E-04	2.76E+00	8.33E+00	2.73E+00	1.64E+01	7.11E+00	1.40E+02
5673	483815.36	3854433.64	11.34218	3.47968	13.37401	54.44565	18.4617	18.72852	10.1581	3.47968	1.16E+02	1.57E+00	3.39E-04	2.82E+00	8.51E+00	2.59E+00	1.75E+01	5.77E+00	1.44E+02
5674	483894.63	3854490.87	11.5369	3.16863	15.1804	55.59109	18.67765	17.59853	10.8762	3.16863	1.18E+02	1.43E+00	3.85E-04	2.88E+00	8.61E+00	2.43E+00	1.88E+01	5.25E+00	1.47E+02
5675	483973.9	3854548.09	11.78602	2.89538	17.85305	55.9664	18.72422	16.59951	12.1902	2.89538	1.21E+02	1.30E+00	4.53E-04	2.90E+00	8.63E+00	2.29E+00	2.10E+01	4.80E+00	1.52E+02
5676	484053.17	3854605.32	12.03145	2.63028	13.80145	59.12606	18.85614	16.49461	14.0118	2.63028	1.23E+02	1.18E+00	3.50E-04	3.06E+00	8.69E+00	2.28E+00	2.42E+01	4.36E+00	1.58E+02
5677	484214.97	3854698.15	12.76082	2.54528	9.13856	55.31371	17.97524	17.14347	15.0045	2.54528	1.31E+02	1.15E+00	2.32E-04	2.86E+00	8.28E+00	2.37E+00	2.59E+01	4.22E+00	1.67E+02
5678	484297.5	3854733.74	12.94843	2.76439	10.17405	58.45538	17.32014	15.75211	14.8338	2.76439	1.33E+02	1.24E+00	2.58E-04	3.03E+00	7.98E+00	2.18E+00	2.56E+01	4.58E+00	1.68E+02
5679	484380.03	3854769.34	13.35676	2.86875	9.21565	61.01369	16.15668	15.05813	15.4985	2.86875	1.37E+02	1.29E+00	2.34E-04	3.16E+00	7.45E+00	2.08E+00	2.68E+01	4.75E+00	1.73E+02
5680	484462.56	3854804.94	13.60104	2.91073	10.0895	63.89521	15.31223	16.79009	15.1322	2.91073	1.39E+02	1.31E+00	2.56E-04	3.31E+00	7.06E+00	2.32E+00	2.61E+01	4.82E+00	1.75E+02
5681	484545.09	3854840.53	13.97291	2.82362	10.31009	63.00676	14.0518	16.55791	15.0891	2.82362	1.43E+02	1.27E+00	2.62E-04	3.26E+00	6.48E+00	2.29E+00	2.61E+01	4.68E+00	1.78E+02
5682	484691.88	3854912.58	13.73756	2.70714	9.62469	65.09845	14.98278	15.38661	15.0975	2.70714	1.41E+02	1.22E+00	2.44E-04	3.37E+00	6.90E+00	2.13E+00	2.61E+01	4.49E+00	1.76E+02
5683	484830.81	3855012.51	13.18378	2.79194	9.8398	70.8204	16.67989	16.47188	16.4919	2.79194	1.35E+02	1.26E+00	2.50E-04	3.67E+00	7.69E+00	2.28E+00	2.85E+01	4.63E+00	1.74E+02
5684	484905.48	3855075.97	12.8882	2.826	11.83937	69.7593	17.24285	18.00013	16.3427	2.826	1.32E+02	1.27E+00	3.00E-04	3.61E+00	7.95E+00	2.49E+00	2.82E+01	4.68E+00	1.71E+02
5685	484980.14	3855139.44	12.68984	2.79901	10.12906	68.7961	18.72864	19.48986	17.7409	2.79901	1.30E+02	1.26E+00	2.57E-04	3.56E+00	8.63E+00	2.69E+00	3.06E+01	4.64E+00	1.72E+02
5686	485054.81	3855202.91	12.59415	2.75075	11.06891	68.42661	20.33762	19.96996	18.164	2.75075	1.29E+02	1.24E+00	2.81E-04	3.54E+00	9.37E+00	2.76E+00	3.14E+01	4.56E+00	1.73E+02
5687	485129.48	3855266.37	12.63519	2.69036	11.03391	66.65678	21.68859	20.03911	18.1854	2.69036	1.30E+02	1.21E+00	2.80E-04	3.45E+00	9.99E+00	2.77E+00	3.14E+01	4.46E+00	1.74E+02
5688	485204.15	3855329.84	12.40825	2.64681	11.84472	66.6096	23.82707	19.35822	17.419	2.64681	1.27E+02	1.19E+00	3.00E-04	3.45E+00	1.10E+01	2.68E+00	3.01E+01	4.39E+00	1.71E+02
5689	485278.82	3855393.31	12.31626	2.59422	14.29067	64.78526	25.72395	18.85692	16.6931	2.59422	1.26E+02	1.17E+00	3.63E-04	3.35E+00	1.19E+01	2.61E+00	2.88E+01	4.30E+00	1.70E+02
5690	485353.48	3855456.77	12.15596	2.5351	14.72148	62.9225	27.91899	18.20613	15.8443	2.5351	1.25E+02	1.14E+00	3.73E-04	3.26E+00	1.29E+01	2.52E+00	2.74E+01	4.20E+00	1.68E+02
5691	485428.15	3855520.24	12.06004	2.48447	13.8218	62.02195	30.06778	17.7266	15.0813	2.48447	1.24E+02	1.12E+00	3.51E-04	3.21E+00	1.39E+01	2.45E+00	2.60E+01	4.12E+00	1.66E+02
5692	485502.82	3855583.71	11.94344	2.43373	15.79159	64.13648	32.39882	17.23969	14.3162	2.43373	1.22E+02	1.10E+00	4.01E-04	3.32E+00	1.49E+01	2.38E+00	2.47E+01	4.03E+00	1.65E+02
5693	485577.49	3855647.17	11.73372	2.36842	16.24712	59.4842	35.06833	16.73229	13.5653	2.36842	1.20E+02	1.07E+00	4.12E-04	3.08E+00	1.62E+01	2.31E+00	2.34E+01	3.92E+00	1.62E+02
5694	485652.16	3855710.64	11.53115	2.29656	17.4697	61.70328	37.22453	16.04129	12.9166	2.29656	1.18E+02	1.03E+00	4.43E-04	3.19E+00	1.72E+01	2.22E+00	2.23E+01	3.81E+00	1.60E+02
5695	485726.83	3855774.1	11.39996	2.24531	17.36539	61.2387	39.86949	15.81163	12.3924	2.24531	1.17E+02	1.01E+00	4.41E-04	3.17E+00	1.84E+01	2.19E+00	2.14E+01	3.72E+00	1.59E+02
5696	485801.49	3855837.57	11.30619	2.20798	16.91739	64.50447	42.65587	15.68894	11.9583	2.20798	1.16E+02	9.94E-01	4.29E-04	3.34E+00	1.97E+01	2.17E+00	2.06E+01	3.66E+00	1.59E+02
5697	485876.16	3855901.04	11.17004	2.16097	16.58303	60.12713	45.69723	15.4419	11.5074	2.16097	1.15E+02	9.73E-01	4.21E-04	3.11E+00	2.11E+01	2.13E+00	1.99E+01	3.58E+00	1.58E+02
5698	485950.83	3855964.5	11.05821	2.12481	14.99101	64.56943	48.90911	15.22054	11.0873	2.12481	1.13E+02	9.56E-01	3.80E-04	3.34E+00	2.25E+01	2.10E+00	1.91E+01	3.52E+00	1.58E+02
5699	486025.5	3856027.97	10.98409	2.10252	14.15904	60.60325	53.49317	14.92531	10.5015	2.10252	1.13E+02	9.46E-01	3.59E-04	3.14E+00	2.47E+01	2.06E+00	1.81E+01	3.48E+00	1.58E+02
5700	486100.17	3856091.44	10.72627	2.02426	14.735	62.57487	56.23874	14.78241	10.3642	2.02426	1.10E+02	9.11E-01	3.74E-04	3.24E+00	2.59E+01	2.04E+00	1.79E+01	3.35E+00	1.57E+02
5701	486174.83	3856154.9	10.66312	2.01422	13.52531	59.70949	60.04422	14.56435	9.97665	2.01422	1.09E+02	9.06E-01	3.43E-04	3.09E+00	2.77E+01	2.01E+00	1.72E+01	3.34E+00	1.57E+02
5702	486249.5	3856218.37	10.71178	2.02644	12.20333	61.47689	64.28842	14.09854	10.0184	2.02644	1.10E+02	9.12E-01	3.10E-04	3.18E+00	2.96E+01	1.95E+00	1.73E+01	3.36E+00	1.59E+02
5703	486324.17	3856281.84	10.72398	2.02483	9.68682	58.06828	66.25241	14.4126	9.81072	2.02483	1.10E+02	9.11E-01	2.46E-04	3.01E+00	3.05E+01	1.99E+00	1.69E+01	3.36E+00	1.60E+02
5704	486398.84	3856345.3	10.70957	1.98099	9.59712	60.45141	71.13695	14.73717	9.67624	1.98099	1.10E+02	8.92E-01	2.43E-04	3.13E+00	3.28E+01	2.04E+00	1.67E+01	3.28E+00	1.62E+02
5705	486473.51	3856408.77	10.75307	1.94857	9.87491	57.60671	75.35101	14.48796	9.53292	1.94857	1.10E+02	8.77E-01	2.51E-04	2.98E+00	3.47E+01	2.00E+00	1.65E+01	3.23E+00	1.64E+02
5706	486548.17	3856472.24	10.73528	1.90245	10.22477	57.74596	81.17007	14.01093	9.59325	1.90245	1.10E+02	8.56E-01	2.59E-04	2.99E+00	3.74E+01	1.94E+00	1.66E+01	3.15E+00	1.67E+02
5707	486622.84	3856535.7	10.71813	1.85722	10.90685	62.68987	87.61537	13.60008	9.49101	1.85722	1.10E+02	8.36E-01	2.77E-04	3.25E+00	4.04E+01	1.88E+00	1.64E+01	3.08E+00	1.70E+02
5708	486765.48	3856659.69	10.6851	1.7565	9.52856	56.37846	104.1056	13.0444	8.28226	1.7565	1.10E+02	7.91E-01	2.42E-04	2.92E+00	4.80E+01	1.80E+00	1.43E+01	2.91E+00	1.74E+02
5709	486833.44	3856720.2	10.71096	1.71192	10.15431	56.36778	111.9645	13.05749	8.0108	1.71192	1.10E+02	7.70E-01	2.58E-04	2.92E+00	5.16E+01	1.81E+00	1.38E+01	2.84E+00	1.78E+02
5710	486901.41	3856780.72	10.72297	1.72959	10.89852	54.52351	121.0272	13.00401	7.82941	1.72959	1.10E+02	7.78E-01	2.76E-04	2.82E+00	5.58E+01	1.80E+00	1.35E+01	2.87E+00	1.82E+02
5711	486969.38	3856841.24	10.75428	1.79311	10.01295	52.60369	131.2309	13.05298	7.6394	1.79311	1.10E+02	8.07E-01	2.54E-04	2.72E+00	6.05E+01	1.80E+00	1.32E+01	2.97E+00	1.86E+02
5712	487037.34	3856901.75	10.78932	1.85711	10.68406	50.82584	151.856	13.12601	7.45482	1.85711	1.11E+02	8.36E-01	2.71E-04	2.63E+00	7.00E+01	1.81E+00	1.29E+01	3.08E+00	1.96E+02
5713	487271.23	3856855.51	9.04214	1.80399	12.23368	14.10833	152.1724	7.09374	5.68852	1.80399	9.27E+01	8.12E-01	3.10E-04	7.30E-01	7.01E+01	9.81E-01	9.82E+00	2.99E+00	1.72E+02
5714	487368.95	3856857.29	8.62978	1.78259	8.58484	12.26848	151.3895	6.34243	5.34854	1.78259	8.85E+01	8.02E-01	2.18E-04	6.35E-01	6.98E+01	8.77E-01	9.23E+00	2.95E+00	1.67E+02
5715	487466.68	3856859.06	8.26377	1.76608	7.86361	10.90529	161.0738	5.73892	5.04327	1.76608	8.47E+01	7.95E-01	1.99E-04	5.65E-01	7.42E+01	7.93E-01	8.71E+00	2.93E+00	1.67E+02
5716	487636.44	3856930	7.99566	1.78757	8.03744	9.7555	145.4915	5.49925	4.6993	1.78757	8.20E+01	8.04E-01	2.04E-04	5.05E-01	6.70E+01	7.60E-01	8.11E+00	2.96E+00	1.56E+02
5717	487709.57	3856928.43	7.76128	1.76508	7.55107	9.04753	135.8664	5.59031	4.5096	1.76508	7.96E+01	7.94E-01	1.92E-04	4.68E-01	6.26E+01	7.73E-01	7.79E+00	2.92E+00	1.49E+02
5718	487782.55	3856841.96	7.29383	1.87115	8.44157	7.58772	135.4505	5.23954	4.17842	1.87115	7.48E+01	8.42E-01	2.14E-04	3.93E-01	6.24E+01	7.24E-01	7.21E+00	3.10E+00	1.43E+02
5719	487849.83	3856754.74	6.91088	2.03063	8.09559	6.36956	151.8397	4.65595	3.77834	2.03063	7.09E+01	9.14E-01	2.05E-04	3.30E-01	7.00E+01	6.44E-01	6.52E+00	3.36E+00	1.46E+02

5720	487918.03	3856819.39	6.91251	1.99269	8.40945	6.69133	146.1382	4.64636	3.75421	1.99269	7.09E+01	8.97E-01	2.13E-04	3.46E-01	6.73E+01	6.42E-01	6.48E+00	3.30E+00	1.43E+02
5721	487918.8	3856886.37	7.08292	1.91123	8.02316	7.16955	132.598	4.98067	3.9041	1.91123	7.26E+01	8.60E-01	2.04E-04	3.71E-01	6.11E+01	6.89E-01	6.74E+00	3.17E+00	1.39E+02
5722	488065.46	3857127.5	7.4476	1.83952	10.30031	8.17409	149.7267	4.57089	4.02702	1.83952	7.64E+01	8.28E-01	2.61E-04	4.23E-01	6.90E+01	6.32E-01	6.95E+00	3.05E+00	1.51E+02
5723	488192.19	3857385.83	7.57544	2.08388	18.30917	10.02781	161.2652	10.47461	4.03082	2.08388	7.77E+01	9.38E-01	4.64E-04	5.19E-01	7.43E+01	1.45E+00	6.96E+00	3.45E+00	1.58E+02
5724	488191.21	3857473.87	7.61641	2.18959	16.61555	11.03539	186.296	10.02246	4.10059	2.18959	7.81E+01	9.85E-01	4.22E-04	5.71E-01	8.59E+01	1.39E+00	7.08E+00	3.63E+00	1.70E+02
5725	488190.24	3857561.9	7.73324	2.27591	21.81813	12.24335	214.7037	8.52917	4.33897	2.27591	7.93E+01	1.02E+00	5.53E-04	6.34E-01	9.89E+01	1.18E+00	7.49E+00	3.77E+00	1.85E+02
5726	488158.35	3857691.13	8.60172	2.51098	18.82548	15.49042	251.3455	14.42329	4.73179	2.51098	8.82E+01	1.13E+00	4.78E-04	8.02E-01	1.16E+02	1.99E+00	8.17E+00	4.16E+00	2.12E+02
5727	488208.37	3857816.66	9.62869	2.98478	22.76336	18.34091	226.8409	16.63172	4.91067	2.98478	9.87E+01	1.34E+00	5.77E-04	9.49E-01	1.05E+02	2.30E+00	8.48E+00	4.95E+00	2.11E+02
5728	488271.97	3857874.6	9.72867	3.18449	25.82738	18.73443	197.682	13.32575	4.87116	3.18449	9.98E+01	1.43E+00	6.55E-04	9.70E-01	9.11E+01	1.84E+00	8.41E+00	5.28E+00	1.98E+02
5729	488463.56	3857942.31	8.58482	3.15391	20.30013	15.41316	110.3978	11.18986	4.42262	3.15391	8.80E+01	1.42E+00	5.15E-04	7.98E-01	5.09E+01	1.55E+00	7.64E+00	5.23E+00	1.45E+02
5730	488554.83	3857940.83	7.98724	2.99594	18.78195	13.62696	79.15633	10.39585	4.19751	2.99594	8.19E+01	1.35E+00	4.76E-04	7.05E-01	3.65E+01	1.44E+00	7.25E+00	4.96E+00	1.24E+02
5731	488646.1	3857939.36	7.63554	2.84853	17.25088	11.99263	87.09215	9.7347	3.99741	2.84853	7.83E+01	1.28E+00	4.38E-04	6.21E-01	4.01E+01	1.35E+00	6.90E+00	4.72E+00	1.24E+02
5732	488737.37	3857937.88	7.32951	2.71799	16.41089	12.32465	90.53722	9.19921	3.80614	2.71799	7.52E+01	1.22E+00	4.16E-04	6.38E-01	4.17E+01	1.27E+00	6.57E+00	4.50E+00	1.22E+02
5733	488733.59	3857960.57	7.41406	2.83316	17.1615	12.44305	86.87488	9.26939	3.85693	2.83316	7.60E+01	1.28E+00	4.35E-04	6.44E-01	4.00E+01	1.28E+00	6.66E+00	4.69E+00	1.21E+02
5734	488638.09	3857961.57	7.74305	2.97214	17.71002	12.55123	81.08193	9.85633	4.05575	2.97214	7.94E+01	1.34E+00	4.49E-04	6.50E-01	3.74E+01	1.36E+00	7.00E+00	4.92E+00	1.22E+02
5735	488542.6	3857962.56	8.12684	3.11876	18.13113	14.33857	77.29989	10.57573	4.26789	3.11876	8.33E+01	1.40E+00	4.60E-04	7.42E-01	3.56E+01	1.46E+00	7.37E+00	5.17E+00	1.25E+02
5736	488447.1	3857963.56	9.01312	3.31282	19.65689	16.3762	122.8743	11.48857	4.52018	3.31282	9.24E+01	1.49E+00	4.99E-04	8.48E-01	5.66E+01	1.59E+00	7.80E+00	5.49E+00	1.55E+02
5737	488254.28	3857890.36	10.20477	3.29403	25.88383	20.20536	204.5602	13.6948	5.07006	3.29403	1.05E+02	1.48E+00	6.57E-04	1.05E+00	9.43E+01	1.89E+00	8.75E+00	5.46E+00	2.07E+02
5738	488191.69	3857833.06	10.10305	3.08822	24.23516	19.76921	232.4825	16.88858	5.09291	3.08822	1.04E+02	1.39E+00	6.15E-04	1.02E+00	1.07E+02	2.33E+00	8.79E+00	5.12E+00	2.19E+02
5739	488129.5	3857907.43	12.97343	3.58647	29.50553	54.9525	231.8885	20.92193	6.27245	3.58647	1.33E+02	1.61E+00	7.48E-04	2.84E+00	1.07E+02	2.89E+00	1.08E+01	5.94E+00	2.52E+02
5740	488196.47	3857968.73	13.12676	3.78381	25.27635	55.28685	209.6398	22.69661	6.28429	3.78381	1.35E+02	1.70E+00	6.41E-04	2.86E+00	9.66E+01	3.14E+00	1.08E+01	6.27E+00	2.43E+02
5741	488263.44	3858030.04	13.28401	3.95158	23.68833	54.82596	190.6893	22.79624	6.30196	3.95158	1.36E+02	1.78E+00	6.01E-04	2.84E+00	8.79E+01	3.15E+00	1.09E+01	6.55E+00	2.36E+02
5742	488400.64	3858132.9	12.92015	4.22258	20.2734	37.36476	157.675	19.21376	6.08047	4.22258	1.32E+02	1.90E+00	5.14E-04	1.93E+00	7.27E+01	2.66E+00	1.05E+01	7.00E+00	2.15E+02
5743	488519.89	3858218.38	12.58529	4.64762	17.61705	30.55471	126.6133	16.05344	5.95065	4.64762	1.29E+02	2.09E+00	4.47E-04	1.58E+00	5.83E+01	2.22E+00	1.03E+01	7.70E+00	1.96E+02
5744	488647.97	3858214.99	10.29274	4.33182	16.74579	20.17835	84.12825	13.03663	4.95341	4.33182	1.06E+02	1.95E+00	4.25E-04	1.04E+00	3.88E+01	1.80E+00	8.55E+00	7.18E+00	1.50E+02
5745	488727.05	3858167.67	8.80725	3.92158	17.53963	15.73905	59.54674	11.16743	4.33719	3.92158	9.03E+01	1.76E+00	4.45E-04	8.15E-01	2.74E+01	1.54E+00	7.49E+00	6.50E+00	1.23E+02
5746	488806.12	3858120.35	7.69358	3.52242	14.81488	14.12411	55.52693	9.78518	3.99874	3.52242	7.89E+01	1.59E+00	3.76E-04	7.31E-01	2.56E+01	1.35E+00	6.90E+00	5.84E+00	1.09E+02
5747	488885.2	3858073.03	7.2578	3.13859	15.52093	14.17741	73.45046	8.59281	3.76675	3.13859	7.44E+01	1.41E+00	3.94E-04	7.34E-01	3.38E+01	1.19E+00	6.50E+00	5.20E+00	1.13E+02
5748	489055.76	3857991.17	7.33496	2.61058	14.15737	14.61819	81.16562	7.77082	3.32333	2.61058	7.52E+01	1.17E+00	3.59E-04	7.57E-01	3.74E+01	1.07E+00	5.74E+00	4.33E+00	1.17E+02
5749	489245.39	3857944.54	7.72428	2.27834	13.52503	13.5644	63.14022	6.87148	3.12483	2.27834	7.92E+01	1.03E+00	3.43E-04	7.02E-01	2.91E+01	9.50E-01	5.40E+00	3.78E+00	1.13E+02
5750	489430.63	3857930.91	6.89074	2.48071	12.2423	8.62845	50.98557	6.24683	2.96511	2.48071	7.07E+01	1.12E+00	3.11E-04	4.47E-01	2.35E+01	8.64E-01	5.12E+00	4.11E+00	9.76E+01
5751	489517.74	3857929.36	6.35057	2.35173	13.1369	9.92471	49.403	5.99388	2.88792	2.35173	6.51E+01	1.06E+00	3.33E-04	5.14E-01	2.28E+01	8.29E-01	4.99E+00	3.90E+00	9.14E+01
5752	489604.85	3857927.82	6.05204	2.08538	11.21069	17.42913	48.00892	5.80089	2.80831	2.08538	6.21E+01	9.39E-01	2.84E-04	9.02E-01	2.21E+01	8.02E-01	4.85E+00	3.46E+00	8.82E+01
5753	489691.97	3857926.28	6.10133	1.90216	16.02186	14.02868	47.78614	5.62948	2.72579	1.90216	6.26E+01	8.56E-01	4.06E-04	7.26E-01	2.20E+01	7.78E-01	4.71E+00	3.15E+00	8.85E+01
5754	489779.08	3857924.73	6.08795	1.84295	11.41648	9.73454	49.07162	5.41193	2.64223	1.84295	6.24E+01	8.29E-01	2.90E-04	5.04E-01	2.26E+01	7.48E-01	4.56E+00	3.05E+00	8.86E+01
5755	490017.55	3857875.08	5.26538	1.6373	9.16565	14.091	52.82714	4.84669	2.37302	1.6373	5.40E+01	7.37E-01	2.33E-04	7.29E-01	2.43E+01	6.70E-01	4.10E+00	2.71E+00	8.19E+01
5756	490033.82	3857960.81	6.57899	1.76001	8.20796	12.97749	48.07182	4.89486	2.44351	1.76001	6.75E+01	7.92E-01	2.08E-04	6.72E-01	2.22E+01	6.77E-01	4.22E+00	2.92E+00	9.31E+01
5757	489959.15	3857987.49	7.10624	1.86126	9.30624	14.91972	44.87853	5.13011	2.53477	1.86126	7.29E+01	8.38E-01	2.36E-04	7.72E-01	2.07E+01	7.09E-01	4.38E+00	3.08E+00	9.72E+01
5758	489791.49	3858016.12	7.1353	2.00726	10.67337	15.58073	44.73831	5.36511	2.71138	2.00726	7.32E+01	9.03E-01	2.71E-04	8.07E-01	2.06E+01	7.42E-01	4.68E+00	3.33E+00	9.76E+01
5759	489698.51	3858018.07	7.23319	2.08513	16.98382	12.46291	46.50944	5.61489	2.79319	2.08513	7.42E+01	9.38E-01	4.31E-04	6.45E-01	2.14E+01	7.76E-01	4.82E+00	3.45E+00	9.93E+01
5760	489605.52	3858020.01	7.29755	2.37351	11.29023	18.60648	47.95572	5.85873	2.87214	2.37351	7.48E+01	1.07E+00	2.86E-04	9.63E-01	2.21E+01	8.10E-01	4.96E+00	3.93E+00	1.01E+02
5761	489512.53	3858021.96	7.31516	2.54486	13.17177	15.34661	48.7081	6.09255	2.94794	2.54486	7.50E+01	1.15E+00	3.34E-04	7.94E-01	2.24E+01	8.42E-01	5.09E+00	4.22E+00	1.01E+02
5762	489419.55	3858023.91	7.2838	2.51256	12.27721	9.60724	55.79114	6.35922	3.02049	2.51256	7.47E+01	1.13E+00	3.11E-04	4.97E-01	2.57E+01	8.79E-01	5.21E+00	4.16E+00	1.04E+02
5763	489228.47	3858041.29	7.26314	2.58259	13.51279	17.04108	74.02382	6.83073	3.17875	2.58259	7.45E+01	1.16E+00	3.43E-04	8.82E-01	3.41E+01	9.44E-01	5.49E+00	4.28E+00	1.13E+02
5764	489065.75	3858085.78	7.44022	2.96964	14.55406	15.86328	77.81888	7.7881	3.441	2.96964	7.63E+01	1.34E+00	3.69E-04	8.21E-01	3.59E+01	1.08E+00	5.94E+00	4.92E+00	1.16E+02
5765	489001.12	3858114.86	7.58936	3.19332	14.24081	15.78471	72.85905	8.53724	3.61787	3.19332	7.78E+01	1.44E+00	3.61E-04	8.17E-01	3.36E+01	1.18E+00	6.25E+00	5.29E+00	1.16E+02
5766	488861.89	3858189.81	8.47925	3.74115	16.38242	15.0023	46.82082	10.50063	4.01911	3.74115	8.69E+01	1.68E+00	4.16E-04	7.77E-01	2.16E+01	1.45E+00	6.94E+00	6.20E+00	1.13E+02
5767	488787.29	3858235.69	9.5913	4.10179	14.78428	16.17425	56.32106	11.79679	4.41656	4.10179	9.83E+01	1.85E+00	3.75E-04	8.37E-01	2.60E+01	1.63E+00	7.63E+00	6.80E+00	1.29E+02
5768	488712.68	3858281.57	11.11461	4.4149	16.51526	20.86398	74.30707	13.79983	5.07032	4.4149	1.14E+02	1.99E+00	4.19E-04	1.08E+00	3.42E+01	1.91E+00	8.75E+00	7.32E+00	1.55E+02
5769	488654.39	3858436.17	14.29322	5.65367	15.84342	53.52137	107.6101	27.22032	7.39081	5.65367	1.47E+02	2.54E+00	4.02E-04	2.77E+00	4.96E+01	3.76E+00	1.28E+01	9.37E+00	2.09E+02
5770	488726.3	3858505.26	13.76828	6.0102	15.91789	52.67571	96.85716	25.49014	7.48352	6.0102	1.41E+02	2.70E+00	4.04E-04	2.73E+00	4.46E+01	3.52E+00	1.29E+01	9.96E+00	1.98E+02
5771	488880.6	3858599.28	13.47351	6.17812	14.87692	54.65723	71.26249	23.47587	6.82402	6.17812	1.38E+02	2.78E+00	3.77E-04	2.83E+00	3.28E+01	3.25E+00	1.18E+01	1.02E+01	1.81E+02
5772	489008.06	3858714.75	12.95699	6.97365	15.7057	55.02063	59.30221	23.27074	7.10596	6.97365	1.33E+02	3.14E+00	3.98E-04	2.85E+00	2.73E+01	3.22E+00	1.23E+01	1.16E+01	1.70E+02
5773	489071.48	3858772.72	12.57248	7.38403	17.26428	53.69557	56.60501	23.11559	7.51098	7.38403	1.29E+02	3.32E+00	4.38E-04	2.78E+00	2.61E+01	3.20E+00	1.30E+01	1.22E+01	1.65E+02
5774	489244.59	3858920.19	11.71138	8.38524	20.9689	67.27405	49.06355	21.23591	8.48973	8.38524	1.20E+02	3.77E+00	5.32E-04	3.48E+00	2.26E+01	2.94E+00	1.47E+01	1.39E+01	1.54E+02
5775	489239.69	3858952.23	11.75981	8.77178	25.21078	64.04157	50.27457	36.14161	8.88667	8.77178	1.21E+02	3.95E+00	6.40E-04	3.32E+00	2.32E+01	5.00E+00	1.53E+01	1.45E+01	1.57E+02
5776	489121.67	3858854.49	12.32672	8.15246	23.10338	78.72158	54.99787	34.40792	8.27665	8.15246	1.26E+02	3.67E+00	5.86E-04	4.08E+00	2.53E+01	4.76E+00	1.43E+01	1.35E+01	1.65E+02
5777	489059.59	3858797.27	12.6857	7.77144	21.27426	74.78106	57.43814	30.90924	7.89876	7.77144	1.30E+02	3.50E+00	5.40E-04	3.87E+00	2.65E+01	4.27E+00	1.36E+01	1.29E+01	1.69E+02
5778	488997.52	3858740.04	13.10054	7.39096	19.57362	72.20878	61.56295	30.33866	7.52256	7.39096	1.34E+02	3.33E+00	4.97E-04	3.74E+00	2.84E+01	4.19E+00	1.30E+01	1.22E+01	1.75E+02

5779	488935.44	3858682.82	13.55224	7.00686	18.06749	67.50743	68.25616	29.81654	7.33151	7.00686	1.39E+02	3.15E+00	4.58E-04	3.49E+00	3.15E+01	4.12E+00	1.27E+01	1.16E+01	1.82E+02
5780	488869.17	3858848.43	14.07151	12.12161	19.46324	22.24182	89.06219	10.35242	17.6341	12.12161	1.44E+02	5.46E+00	4.94E-04	1.15E+00	4.10E+01	1.43E+00	3.04E+01	2.01E+01	2.04E+02
5781	488932.48	3858892.69	13.74793	12.90819	19.71622	22.44543	82.89107	10.25898	18.2059	12.90819	1.41E+02	5.81E+00	5.00E-04	1.16E+00	3.82E+01	1.42E+00	3.14E+01	2.14E+01	1.98E+02
5782	489063.27	3858977.17	13.44636	14.10561	20.81152	23.65092	69.38337	9.66394	17.6077	14.10561	1.38E+02	6.35E+00	5.28E-04	1.22E+00	3.20E+01	1.34E+00	3.04E+01	2.34E+01	1.86E+02
5783	489248.2	3859117.15	13.45678	20.65151	32.4174	31.63302	51.71481	10.11265	21.8238	20.65151	1.38E+02	9.29E+00	8.22E-04	1.64E+00	2.38E+01	1.40E+00	3.77E+01	3.42E+01	1.78E+02
5784	489296.25	3859049.22	11.71904	10.3761	32.74914	34.43532	48.91181	17.15903	10.3021	10.3761	1.20E+02	4.67E+00	8.31E-04	1.78E+00	2.25E+01	2.37E+00	1.78E+01	1.72E+01	1.52E+02
5785	489353.38	3858993.96	11.33668	8.81343	17.81401	58.68058	43.64233	21.54646	8.90956	8.81343	1.16E+02	3.97E+00	4.52E-04	3.04E+00	2.01E+01	2.98E+00	1.54E+01	1.46E+01	1.47E+02
5786	489537.24	3859120.22	11.34359	9.69493	23.88481	61.58846	34.93906	24.208	9.76641	9.69493	1.16E+02	4.36E+00	6.06E-04	3.19E+00	1.61E+01	3.35E+00	1.69E+01	1.61E+01	1.44E+02
5787	489726.98	3859246.04	11.39158	10.80643	48.10312	65.33992	26.45472	24.90211	10.8924	10.80643	1.17E+02	4.86E+00	1.22E-03	3.38E+00	1.22E+01	3.44E+00	1.88E+01	1.79E+01	1.42E+02
5788	489911.46	3859366.33	11.4241	12.10551	65.86669	65.79983	20.38665	24.69738	12.2165	12.10551	1.17E+02	5.45E+00	1.67E-03	3.41E+00	9.40E+00	3.41E+00	2.11E+01	2.01E+01	1.40E+02
5789	490035.3	3859430.26	11.06686	13.2878	53.09734	50.93896	19.90514	20.80263	13.4485	13.2878	1.13E+02	5.98E+00	1.35E-03	2.64E+00	9.17E+00	2.88E+00	2.32E+01	2.20E+01	1.35E+02
5790	490101.11	3859458.61	10.78303	13.65182	43.42978	44.15401	19.60124	20.93723	13.8599	13.65182	1.11E+02	6.14E+00	1.10E-03	2.29E+00	9.03E+00	2.89E+00	2.39E+01	2.26E+01	1.32E+02
5791	490312.68	3859560.3	10.23355	14.96815	33.94768	43.88398	18.61376	22.09795	15.3583	14.96815	1.05E+02	6.74E+00	8.61E-04	2.27E+00	8.58E+00	3.06E+00	2.65E+01	2.48E+01	1.27E+02
5792	490401.63	3859603.12	10.10809	15.33233	27.14947	45.26266	18.42562	20.73429	15.8229	15.33233	1.04E+02	6.90E+00	6.89E-04	2.34E+00	8.49E+00	2.87E+00	2.73E+01	2.54E+01	1.26E+02
5793	490490.57	3859645.94	10.00761	15.44419	24.09441	46.70698	18.09964	20.53162	16.054	15.44419	1.03E+02	6.95E+00	6.11E-04	2.42E+00	8.34E+00	2.84E+00	2.77E+01	2.56E+01	1.25E+02
5794	490579.51	3859688.76	9.92663	15.17041	21.88401	47.72959	17.6816	20.48672	15.872	15.17041	1.02E+02	6.83E+00	5.55E-04	2.47E+00	8.15E+00	2.83E+00	2.74E+01	2.51E+01	1.24E+02
5795	490668.45	3859731.58	9.88174	13.25556	20.7801	47.81737	17.22618	20.17058	14.0334	13.25556	1.01E+02	5.97E+00	5.27E-04	2.48E+00	7.94E+00	2.79E+00	2.42E+01	2.20E+01	1.23E+02
5796	490757.4	3859774.4	9.75678	11.57153	20.65395	49.5406	16.43975	20.37073	12.0316	11.57153	1.00E+02	5.21E+00	5.24E-04	2.56E+00	7.58E+00	2.82E+00	2.08E+01	1.92E+01	1.20E+02
5797	491003.53	3859861.82	8.62187	11.11497	18.66707	37.54728	13.64632	16.44672	11.2785	11.11497	8.84E+01	5.00E+00	4.74E-04	1.94E+00	6.29E+00	2.27E+00	1.95E+01	1.84E+01	1.05E+02
5798	491081.41	3859879.05	8.19761	10.25096	18.18277	44.06275	12.41058	16.12086	10.7159	10.25096	8.41E+01	4.61E+00	4.61E-04	2.28E+00	5.72E+00	2.23E+00	1.85E+01	1.70E+01	1.00E+02
5799	491229.76	3859917.82	7.65899	9.62704	16.88626	50.23094	13.83989	19.97845	9.94248	9.62704	7.85E+01	4.33E+00	4.28E-04	2.60E+00	6.38E+00	2.76E+00	1.72E+01	1.60E+01	9.58E+01
5800	491300.22	3859939.35	7.46223	9.41302	15.79342	48.31982	14.43521	20.80304	9.54393	9.41302	7.65E+01	4.24E+00	4.01E-04	2.50E+00	6.65E+00	2.88E+00	1.65E+01	1.56E+01	9.37E+01
5801	491350.48	3860012.03	9.04556	12.03955	14.36589	34.92077	12.70816	28.95647	12.0933	12.03955	9.28E+01	5.42E+00	3.64E-04	1.81E+00	5.86E+00	4.00E+00	2.09E+01	1.99E+01	1.11E+02
5802	491406.82	3860092.56	10.24281	13.59086	14.76131	25.95468	11.08015	15.88376	13.2284	13.59086	1.05E+02	6.12E+00	3.74E-04	1.34E+00	5.11E+00	2.20E+00	2.28E+01	2.25E+01	1.20E+02
5803	491483.36	3860121.96	9.5904	12.65949	14.49955	24.97217	11.63856	15.5647	12.2687	12.65949	9.83E+01	5.70E+00	3.68E-04	1.29E+00	5.36E+00	2.15E+00	2.12E+01	2.10E+01	1.13E+02
5804	491559.91	3860151.35	9.03073	11.70106	14.14557	24.02378	12.12669	15.16651	11.306	11.70106	9.26E+01	5.27E+00	3.59E-04	1.24E+00	5.59E+00	2.10E+00	1.95E+01	1.94E+01	1.07E+02
5805	491711.81	3860237.76	9.36492	11.65185	15.69571	22.10568	12.89205	13.67286	10.715	11.65185	9.60E+01	5.24E+00	3.98E-04	1.14E+00	5.94E+00	1.89E+00	1.85E+01	1.93E+01	1.09E+02
5806	491755.2	3860319.07	11.33138	12.46144	12.63633	17.54386	10.50868	11.19203	11.4419	12.46144	1.16E+02	5.61E+00	3.21E-04	9.08E-01	4.84E+00	1.55E+00	1.98E+01	2.06E+01	1.28E+02
5807	491704.71	3860366.54	12.33416	16.16289	14.84014	15.48517	9.17343	10.18248	15.0239	16.16289	1.26E+02	7.27E+00	3.76E-04	8.02E-01	4.23E+00	1.41E+00	2.59E+01	2.68E+01	1.39E+02
5808	491623.42	3860462.39	9.86053	20.7747	17.54884	11.60511	11.18629	7.23529	19.2823	20.7747	1.01E+02	9.35E+00	4.45E-04	6.01E-01	5.16E+00	1.00E+00	3.33E+01	3.44E+01	1.16E+02
5809	491534.02	3860439.84	9.06771	10.72368	21.56935	12.02485	12.57796	7.55132	10.4087	10.72368	9.30E+01	4.83E+00	5.47E-04	6.22E-01	5.80E+00	1.04E+00	1.80E+01	1.78E+01	1.05E+02
5810	491313.95	3860268.17	9.69124	14.07575	18.07706	13.36113	12.64696	8.26149	13.3859	14.07575	9.94E+01	6.33E+00	4.59E-04	6.92E-01	5.83E+00	1.14E+00	2.31E+01	2.33E+01	1.13E+02
5811	491187.12	3860143.56	10.90616	18.51803	17.66368	17.21585	13.34997	11.39176	18.526	18.51803	1.12E+02	8.33E+00	4.48E-04	8.91E-01	6.15E+00	1.57E+00	3.20E+01	3.07E+01	1.30E+02
5812	491070.43	3860075.97	11.33212	18.26913	17.9672	18.84293	14.19038	12.53473	16.4441	18.26913	1.16E+02	8.22E+00	4.56E-04	9.75E-01	6.54E+00	1.73E+00	2.84E+01	3.03E+01	1.32E+02
5813	490995.09	3860039.38	11.3172	19.07293	18.34896	19.17586	14.66512	12.61514	17.071	19.07293	1.16E+02	8.58E+00	4.65E-04	9.93E-01	6.76E+00	1.74E+00	2.95E+01	3.16E+01	1.32E+02
5814	490919.75	3860002.8	11.27052	20.1384	18.86043	19.47447	15.0929	12.61983	18.0655	20.1384	1.16E+02	9.06E+00	4.78E-04	1.01E+00	6.96E+00	1.74E+00	3.12E+01	3.34E+01	1.32E+02
5815	490756.81	3859894.53	12.51532	30.65651	18.64172	23.76276	16.17222	16.5781	27.9438	30.65651	1.28E+02	1.38E+01	4.73E-04	1.23E+00	7.45E+00	2.29E+00	4.82E+01	5.08E+01	1.51E+02
5816	490668.07	3859860.92	12.63472	29.75848	18.17385	22.65178	16.2067	16.76333	27.1273	29.75848	1.30E+02	1.34E+01	4.61E-04	1.17E+00	7.47E+00	2.32E+00	4.68E+01	4.93E+01	1.51E+02
5817	490579.34	3859827.3	12.77672	30.06279	20.83651	23.66217	16.12793	16.08892	27.4214	30.06279	1.31E+02	1.35E+01	5.29E-04	1.22E+00	7.43E+00	2.22E+00	4.73E+01	4.98E+01	1.53E+02
5818	490490.6	3859793.68	12.85143	29.18105	24.11799	21.85486	16.52199	15.89011	26.5499	29.18105	1.32E+02	1.31E+01	6.12E-04	1.13E+00	7.61E+00	2.20E+00	4.58E+01	4.84E+01	1.53E+02
5819	490401.86	3859760.07	12.91995	28.73028	28.14662	19.61735	16.83162	15.22009	26.0191	28.73028	1.32E+02	1.29E+01	7.14E-04	1.02E+00	7.76E+00	2.10E+00	4.49E+01	4.76E+01	1.54E+02
5820	490313.12	3859726.45	12.99053	28.92511	33.26753	18.81211	16.90705	14.53546	26.0564	28.92511	1.33E+02	1.30E+01	8.44E-04	9.74E-01	7.79E+00	2.01E+00	4.50E+01	4.79E+01	1.54E+02
5821	490224.39	3859692.83	12.98328	29.20489	38.77041	19.55891	16.69127	13.87635	26.1034	29.20489	1.33E+02	1.31E+01	9.84E-04	1.01E+00	7.69E+00	1.92E+00	4.51E+01	4.84E+01	1.54E+02
5822	490135.65	3859659.22	12.81716	29.3274	42.88803	19.21249	18.9048	13.30732	25.7679	29.3274	1.31E+02	1.32E+01	1.09E-03	9.95E-01	8.71E+00	1.84E+00	4.45E+01	4.86E+01	1.52E+02
5823	489918.18	3859559.23	12.79955	26.10595	52.16746	16.82472	27.96312	11.92215	20.8315	26.10595	1.31E+02	1.17E+01	1.32E-03	8.71E-01	1.29E+01	1.65E+00	3.60E+01	4.33E+01	1.51E+02
5824	489743.61	3859486	12.1146	20.08168	61.15319	17.45421	35.64503	10.43704	15.4469	20.08168	1.24E+02	9.04E+00	1.55E-03	9.04E-01	1.64E+01	1.44E+00	2.67E+01	3.33E+01	1.45E+02
5825	489660.32	3859440.27	12.14121	20.01281	88.31123	18.06018	38.61516	9.82377	14.9463	20.01281	1.24E+02	9.01E+00	2.24E-03	9.35E-01	1.78E+01	1.36E+00	2.58E+01	3.32E+01	1.46E+02
5826	489577.04	3859394.53	12.17858	20.03034	58.30569	18.19258	41.31373	9.4066	15.5157	20.03034	1.25E+02	9.01E+00	1.48E-03	9.42E-01	1.90E+01	1.30E+00	2.68E+01	3.32E+01	1.49E+02
5827	489493.75	3859348.8	12.20019	19.87369	57.89932	17.4237	43.45288	9.03199	15.8324	19.87369	1.25E+02	8.94E+00	1.47E-03	9.02E-01	2.00E+01	1.25E+00	2.73E+01	3.29E+01	1.51E+02
5828	489321.28	3859240.02	12.9954	23.17113	33.91964	20.16494	49.9004	8.31226	17.7999	23.17113	1.33E+02	1.04E+01	8.60E-04	1.04E+00	2.30E+01	1.15E+00	3.07E+01	3.84E+01	1.61E+02
5829	489235.41	3859193.96	13.18663	23.17186	31.85462	36.16578	58.67374	8.43976	17.3468	23.17186	1.35E+02	1.04E+01	8.08E-04	1.87E+00	2.70E+01	1.17E+00	2.99E+01	3.84E+01	1.67E+02
5830	489149.54	3859147.89	13.32957	22.26193	27.5908	26.10298	66.67452	8.80876	15.2696	22.26193	1.37E+02	1.00E+01	7.00E-04	1.35E+00	3.07E+01	1.22E+00	2.64E+01	3.69E+01	1.69E+02
5831	489063.68	3859101.82	13.51799	22.01732	25.09405	20.05098	74.71774	9.13809	14.9046	22.01732	1.39E+02	9.91E+00	6.37E-04	1.04E+00	3.44E+01	1.26E+00	2.57E+01	3.65E+01	1.75E+02
5832	488977.81	3859055.75	13.74651	21.79091	22.69846	18.68862	81.68024	9.43759	14.9519	21.79091	1.41E+02	9.81E+00	5.76E-04	9.67E-01	3.76E+01	1.30E+00	2.58E+01	3.61E+01	1.80E+02
5833	488891.94	3859009.69	14.0069	21.00185	19.51194	18.24742	85.81707	9.74647	15.0795	21.00185	1.44E+02	9.45E+00	4.95E-04	9.45E-01	3.95E+01	1.35E+00	2.60E+01	3.48E+01	1.86E+02
5834	488808	3859060.73	13.97527	10.41548	21.44665	15.93726	80.76985	10.65226	9.94068	10.41548	1.43E+02	4.69E+00	5.44E-04	8.25E-01	3.72E+01	1.47E+00	1.72E+01	1.73E+01	1.87E+02
5835	488809.93	3859157.85	13.69107	6.97265	14.38581	13.61034	72.05949	12.13491	7.55518	6.97265	1.40E+02	3.14E+00	3.65E-04	7.05E-01	3.32E+01	1.68E+00	1.30E+01	1.16E+01	1.81E+02
5836	488811.85	3859254.96	13.32337	5.77442	12.94031	12.56177	62.61038	12.98047	6.09113	5.77442	1.37E+02	2.60E+00	3.28E-04	6.50E-01	2.89E+01	1.79E+00	1.05E+01	9.57E+00	1.71E+02
5837	488813.78	3859352.07	13.12573	5.1563	13.84493	12.62073	53.27309	17.66037	5.1326	5.1563	1.35E+02	2.32E+00	3.51E-04	6.53E-01	2.46E+01	2.44E+00	8.86E+00	8.54E+00	1.65E+02

5838	488815.71	3859449.19	13.8578	4.96279	14.43916	12.45509	44.73679	16.19865	4.96752	4.96279	1.42E+02	2.23E+00	3.66E-04	6.45E-01	2.06E+01	2.24E+00	8.58E+00	8.22E+00	1.68E+02
5839	488910.04	3859547.1	11.63564	4.61752	21.42988	13.12034	47.24476	12.93665	4.62822	4.61752	1.19E+02	2.08E+00	5.44E-04	6.79E-01	2.18E+01	1.79E+00	7.99E+00	7.65E+00	1.46E+02
5840	489002.45	3859547.91	11.21349	4.9687	24.85472	14.99495	56.44384	14.08706	5.00202	4.9687	1.15E+02	2.24E+00	6.31E-04	7.76E-01	2.60E+01	1.95E+00	8.64E+00	8.23E+00	1.46E+02
5841	489094.85	3859548.71	10.88529	5.37786	28.19919	19.35333	63.03742	14.17275	5.80668	5.37786	1.12E+02	2.42E+00	7.15E-04	1.00E+00	2.91E+01	1.96E+00	1.00E+01	8.91E+00	1.47E+02
5842	489230.05	3859601.87	10.63524	5.363	32.85584	35.54922	63.92505	12.71005	6.45453	5.363	1.09E+02	2.41E+00	8.33E-04	1.84E+00	2.95E+01	1.76E+00	1.11E+01	8.89E+00	1.47E+02
5843	489227.52	3859680.89	11.51765	4.31326	26.62964	37.11616	61.10098	11.93477	5.66066	4.31326	1.18E+02	1.94E+00	6.76E-04	1.92E+00	2.82E+01	1.65E+00	9.77E+00	7.15E+00	1.54E+02
5844	489133.47	3859760.29	12.0088	3.77762	22.38647	22.56491	52.01361	9.76608	4.39449	3.77762	1.23E+02	1.70E+00	5.68E-04	1.17E+00	2.40E+01	1.35E+00	7.59E+00	6.26E+00	1.53E+02
5845	489041.96	3859760.67	12.64369	3.65742	21.76869	16.46354	44.24815	9.27293	3.89804	3.65742	1.30E+02	1.65E+00	5.52E-04	8.52E-01	2.04E+01	1.28E+00	6.73E+00	6.06E+00	1.54E+02
5846	488950.45	3859761.05	14.57596	3.52073	20.8383	13.58975	35.26421	8.35392	3.49121	3.52073	1.49E+02	1.58E+00	5.29E-04	7.03E-01	1.63E+01	1.15E+00	6.03E+00	5.83E+00	1.69E+02
5847	488858.94	3859761.43	15.85816	3.31697	21.33831	11.80776	26.40441	7.37244	3.20758	3.31697	1.63E+02	1.49E+00	5.41E-04	6.11E-01	1.22E+01	1.02E+00	5.54E+00	5.50E+00	1.78E+02
5848	488767.43	3859761.82	16.43713	3.06042	19.0343	10.44411	18.87541	8.84563	3.03979	3.06042	1.69E+02	1.38E+00	4.83E-04	5.41E-01	8.70E+00	1.22E+00	5.25E+00	5.07E+00	1.81E+02
5849	488675.92	3859762.2	16.95481	2.99457	17.37077	9.4446	24.91761	9.82283	2.90543	2.99457	1.74E+02	1.35E+00	4.41E-04	4.89E-01	1.15E+01	1.36E+00	5.02E+00	4.96E+00	1.89E+02
5850	488584.41	3859762.58	17.42085	3.0406	15.73305	8.66523	28.91772	10.74331	2.76862	3.0406	1.79E+02	1.37E+00	3.99E-04	4.49E-01	1.33E+01	1.49E+00	4.78E+00	5.04E+00	1.95E+02
5851	488492.9	3859762.96	17.86866	3.12409	15.36095	8.17968	30.096	12.45828	2.65548	3.12409	1.83E+02	1.41E+00	3.90E-04	4.23E-01	1.39E+01	1.72E+00	4.58E+00	5.18E+00	2.00E+02
5852	488402.76	3859830.95	18.53522	3.24786	13.81512	7.70583	27.51431	19.9408	2.99563	3.24786	1.90E+02	1.46E+00	3.50E-04	3.99E-01	1.27E+01	2.76E+00	5.17E+00	5.38E+00	2.07E+02
5853	488404.14	3859898.55	18.83296	3.62322	13.03238	7.45563	26.34025	19.3436	3.61797	3.62322	1.93E+02	1.63E+00	3.31E-04	3.86E-01	1.21E+01	2.67E+00	6.25E+00	6.00E+00	2.10E+02
5854	488505.18	3859964.96	16.56733	4.045	13.6613	8.15116	27.7358	11.71569	4.04228	4.045	1.70E+02	1.82E+00	3.47E-04	4.22E-01	1.28E+01	1.62E+00	6.98E+00	6.70E+00	1.87E+02
5855	488604.84	3859963.76	15.47699	3.75804	14.22608	8.94303	27.60073	10.01433	3.75317	3.75804	1.59E+02	1.69E+00	3.61E-04	4.63E-01	1.27E+01	1.38E+00	6.48E+00	6.23E+00	1.75E+02
5856	488704.51	3859962.56	14.97758	3.47183	15.08023	9.90388	24.47237	9.07177	3.46488	3.47183	1.54E+02	1.56E+00	3.83E-04	5.13E-01	1.13E+01	1.25E+00	5.98E+00	5.75E+00	1.68E+02
5857	488804.18	3859961.37	14.51193	3.19678	15.41743	11.0841	19.01113	8.4467	3.18887	3.19678	1.49E+02	1.44E+00	3.91E-04	5.74E-01	8.76E+00	1.17E+00	5.51E+00	5.30E+00	1.61E+02
5858	488903.85	3859960.17	14.0051	3.03369	17.25998	12.5968	19.62684	7.68928	3.04267	3.03369	1.44E+02	1.37E+00	4.38E-04	6.52E-01	9.04E+00	1.06E+00	5.25E+00	5.03E+00	1.56E+02
5859	489003.52	3859958.97	13.23878	3.14458	14.42894	14.77236	27.78436	6.47671	3.15755	3.14458	1.36E+02	1.42E+00	3.66E-04	7.65E-01	1.28E+01	8.95E-01	5.45E+00	5.21E+00	1.52E+02
5860	489103.18	3859957.77	11.93113	3.25909	16.10339	19.09932	36.55262	6.27031	3.31747	3.25909	1.22E+02	1.47E+00	4.09E-04	9.89E-01	1.68E+01	8.67E-01	5.73E+00	5.40E+00	1.43E+02
5861	489201.48	3860046.59	11.38849	3.12061	17.05217	62.41109	39.36677	5.52222	3.35161	3.12061	1.17E+02	1.40E+00	4.33E-04	3.23E+00	1.81E+01	7.63E-01	5.79E+00	5.17E+00	1.41E+02
5862	489200.11	3860136.61	12.97891	3.97604	17.97471	60.67231	33.92201	5.5049	3.97066	3.97604	1.33E+02	1.79E+00	4.56E-04	3.14E+00	1.56E+01	7.61E-01	6.86E+00	6.59E+00	1.55E+02
5863	489198.74	3860226.63	14.24208	5.14893	16.97296	61.795	28.88222	5.72964	5.1534	5.14893	1.46E+02	2.32E+00	4.31E-04	3.20E+00	1.33E+01	7.92E-01	8.90E+00	8.53E+00	1.66E+02
5864	489197.38	3860316.66	15.24792	6.04241	17.27688	59.49552	24.25017	6.05852	6.06281	6.04241	1.56E+02	2.72E+00	4.38E-04	3.08E+00	1.12E+01	8.38E-01	1.05E+01	1.00E+01	1.75E+02
5865	489196.01	3860406.68	16.08167	6.11961	16.21199	57.98903	20.20607	6.21387	6.1582	6.11961	1.65E+02	2.75E+00	4.11E-04	3.00E+00	9.31E+00	8.59E-01	1.06E+01	1.01E+01	1.81E+02
5866	489194.64	3860496.7	16.78949	5.2614	13.65777	55.082	16.56778	6.22516	5.3116	5.2614	1.72E+02	2.37E+00	3.46E-04	2.85E+00	7.64E+00	8.61E-01	9.17E+00	8.72E+00	1.86E+02
5867	489193.27	3860586.72	17.4422	4.61815	13.61885	54.49416	13.54477	6.1902	4.62592	4.61815	1.79E+02	2.08E+00	3.45E-04	2.82E+00	6.24E+00	8.56E-01	7.99E+00	7.65E+00	1.91E+02
5868	489092.02	3860678.13	18.70583	4.7429	11.92866	18.55677	11.5298	6.33302	4.77558	4.7429	1.92E+02	2.13E+00	3.03E-04	9.61E-01	5.31E+00	8.76E-01	8.25E+00	7.86E+00	2.01E+02
5869	488992.13	3860679.53	19.33287	4.58724	12.72721	12.24766	15.82229	7.10863	4.622	4.58724	1.98E+02	2.06E+00	3.23E-04	6.34E-01	7.29E+00	9.83E-01	7.98E+00	7.60E+00	2.10E+02
5870	488892.24	3860680.92	20.05949	4.40086	11.47766	8.8241	19.53041	8.16709	4.438	4.40086	2.06E+02	1.98E+00	2.91E-04	4.57E-01	9.00E+00	1.13E+00	7.66E+00	7.29E+00	2.19E+02
5871	488792.36	3860682.31	20.77174	4.2042	9.85854	7.87518	21.7336	9.5691	4.2414	4.2042	2.13E+02	1.89E+00	2.50E-04	4.08E-01	1.00E+01	1.32E+00	7.32E+00	6.97E+00	2.27E+02
5872	488692.48	3860683.7	21.33843	3.98694	9.62155	7.47585	22.07964	11.62159	4.02445	3.98694	2.19E+02	1.79E+00	2.44E-04	3.87E-01	1.02E+01	1.61E+00	6.95E+00	6.61E+00	2.33E+02
5873	488592.59	3860685.09	21.7028	3.78089	9.28174	7.26536	20.51086	14.58164	3.8173	3.78089	2.23E+02	1.70E+00	2.35E-04	3.76E-01	9.45E+00	2.02E+00	6.59E+00	6.26E+00	2.36E+02
5874	488492.71	3860686.49	21.97406	3.54233	9.18396	7.19812	17.895	20.39099	3.56931	3.54233	2.25E+02	1.59E+00	2.33E-04	3.73E-01	8.25E+00	2.82E+00	6.16E+00	5.87E+00	2.39E+02
5875	488299.07	3860762.18	22.15361	3.76807	8.88873	6.84715	11.24593	13.65234	3.77672	3.76807	2.27E+02	1.70E+00	2.25E-04	3.54E-01	5.18E+00	1.89E+00	6.52E+00	6.24E+00	2.37E+02
5876	488205.32	3860764.09	21.65852	3.79827	9.69922	6.71928	9.11923	13.90132	3.80861	3.79827	2.22E+02	1.71E+00	2.46E-04	3.48E-01	4.20E+00	1.92E+00	6.58E+00	6.29E+00	2.31E+02
5877	488111.56	3860766	20.81629	3.81926	9.12362	6.51604	9.66406	14.33787	3.83143	3.81926	2.13E+02	1.72E+00	2.31E-04	3.37E-01	4.45E+00	1.98E+00	6.62E+00	6.33E+00	2.22E+02
5878	488017.81	3860767.91	19.58212	3.8008	8.37847	6.26881	9.58018	18.46588	3.81287	3.8008	2.01E+02	1.71E+00	2.13E-04	3.25E-01	4.41E+00	2.55E+00	6.58E+00	6.30E+00	2.10E+02
5879	487924.06	3860769.81	17.25501	3.75149	7.42451	5.98515	10.10336	13.76168	3.76485	3.75149	1.77E+02	1.69E+00	1.88E-04	3.10E-01	4.66E+00	1.90E+00	6.50E+00	6.22E+00	1.86E+02
5880	487830.31	3860771.72	12.67384	3.695	7.94853	5.68109	11.79992	12.57846	3.70958	3.695	1.30E+02	1.66E+00	2.02E-04	2.94E-01	5.44E+00	1.74E+00	6.40E+00	6.12E+00	1.39E+02
5881	487736.55	3860773.63	10.2159	3.64173	7.8721	5.38829	15.14146	10.01963	3.65644	3.64173	1.05E+02	1.64E+00	2.00E-04	2.79E-01	6.98E+00	1.39E+00	6.31E+00	6.03E+00	1.15E+02
5882	487642.8	3860775.54	9.22574	3.60346	7.30119	5.13362	19.92917	10.45446	3.61817	3.60346	9.46E+01	1.62E+00	1.85E-04	2.66E-01	9.18E+00	1.45E+00	6.25E+00	5.97E+00	1.07E+02
5883	487549.48	3860684.71	9.05705	3.51691	6.24393	4.84602	24.01323	10.89661	3.52394	3.51691	9.29E+01	1.58E+00	1.58E-04	2.51E-01	1.11E+01	1.51E+00	6.08E+00	5.83E+00	1.08E+02
5884	487549.91	3860591.97	9.70906	3.21149	5.73439	4.77874	24.39637	10.78761	3.20682	3.21149	9.96E+01	1.45E+00	1.45E-04	2.47E-01	1.12E+01	1.49E+00	5.54E+00	5.32E+00	1.14E+02
5885	487550.34	3860499.23	10.47905	3.17928	7.24568	4.83968	24.8697	11.15913	3.20337	3.17928	1.07E+02	1.43E+00	1.84E-04	2.51E-01	1.15E+01	1.54E+00	5.53E+00	5.27E+00	1.22E+02
5886	487550.76	3860406.49	11.34428	3.59758	8.46595	5.1923	25.36539	11.23957	3.61719	3.59758	1.16E+02	1.62E+00	2.15E-04	2.69E-01	1.17E+01	1.55E+00	6.25E+00	5.96E+00	1.32E+02
5887	487551.19	3860313.75	12.26009	3.62106	8.24437	5.48286	25.75422	10.58223	3.62992	3.62106	1.26E+02	1.63E+00	2.09E-04	2.84E-01	1.19E+01	1.46E+00	6.27E+00	6.00E+00	1.41E+02
5888	487551.62	3860221.01	13.23433	3.27077	7.21785	5.68762	26.14939	14.51614	3.27062	3.27077	1.36E+02	1.47E+00	1.83E-04	2.94E-01	1.21E+01	2.01E+00	5.65E+00	5.42E+00	1.52E+02
5889	487552.05	3860128.27	14.25642	4.25747	7.57823	5.86086	26.65545	14.1953	4.29487	4.25747	1.46E+02	1.92E+00	1.92E-04	3.03E-01	1.23E+01	1.96E+00	7.42E+00	7.05E+00	1.63E+02
5890	487552.48	3860035.53	15.32965	5.02371	9.73599	5.98222	27.0757	11.6125	5.05729	5.02371	1.57E+02	2.26E+00	2.47E-04	3.10E-01	1.25E+01	1.61E+00	8.73E+00	8.32E+00	1.74E+02
5891	487552.91	3859942.79	16.3026	5.28474	8.6347	6.00233	27.24643	11.55006	5.30886	5.28474	1.67E+02	2.38E+00	2.19E-04	3.11E-01	1.26E+01	1.60E+00	9.17E+00	8.76E+00	1.84E+02
5892	487553.33	3859850.05	17.31588	4.97654	9.29182	5.98798	27.61894	11.83701	4.98896	4.97654	1.78E+02	2.24E+00	2.36E-04	3.10E-01	1.27E+01	1.64E+00	8.61E+00	8.25E+00	1.95E+02
5893	487553.76	3859757.31	18.35493	4.28995	9.13935	5.67983	27.80497	12.096	4.29313	4.28995	1.88E+02	1.93E+00	2.32E-04	2.94E-01	1.28E+01	1.67E+00	7.41E+00	7.11E+00	2.05E+02
5894	487554.19	3859664.57	19.5566	3.49553	9.5083	6.39486	27.94729	12.77141	3.48764	3.49553	2.01E+02	1.57E+00	2.41E-04	3.31E-01	1.29E+01	1.77E+00	6.02E+00	5.79E+00	2.17E+02
5895	487460.2	3859571.05	20.67102	3.53942	8.83228	7.48809	26.48841	13.99112	2.95869	3.53942	2.12E+02	1.59E+00	2.24E-04	3.88E-01	1.22E+01	1.93E+00	5.11E+00	5.86E+00	2.27E+02
5896	487365.78	3859570.27	20.69583	3.3823	10.20661	7.63569	23.83775	17.10416	3.12985	3.3823	2.12E+02	1.52E+00	2.59E-04	3.95E-01	1.10E+01	2.36E+00	5.40E+00	5.60E+00	2.27E+02

5897	487271.36	3859569.48	20.4438	3.31026	9.94683	7.733	20.694	14.81105	3.3085	3.31026	2.10E+02	1.49E+00	2.52E-04	4.00E-01	9.54E+00	2.05E+00	5.71E+00	5.48E+00	2.23E+02
5898	487176.94	3859568.7	19.50461	3.49154	12.43307	7.77744	18.19272	16.87352	3.49013	3.49154	2.00E+02	1.57E+00	3.15E-04	4.03E-01	8.38E+00	2.33E+00	6.03E+00	5.79E+00	2.13E+02
5899	487082.51	3859567.92	17.5318	3.66939	10.00185	7.77409	18.28493	14.26037	3.66878	3.66939	1.80E+02	1.65E+00	2.54E-04	4.02E-01	8.43E+00	1.97E+00	6.33E+00	6.08E+00	1.92E+02
5900	486988.09	3859567.14	15.01973	3.84315	8.23809	7.6814	17.58752	13.80897	3.84408	3.84315	1.54E+02	1.73E+00	2.09E-04	3.98E-01	8.11E+00	1.91E+00	6.64E+00	6.37E+00	1.66E+02
5901	486893.67	3859566.36	12.47079	4.00913	11.91975	7.4986	17.3725	13.35892	4.01158	4.00913	1.28E+02	1.80E+00	3.02E-04	3.88E-01	8.01E+00	1.85E+00	6.93E+00	6.64E+00	1.40E+02
5902	486799.25	3859565.58	10.09821	4.16438	13.82579	7.21722	17.80294	12.19971	4.16833	4.16438	1.04E+02	1.87E+00	3.51E-04	3.74E-01	8.20E+00	1.69E+00	7.20E+00	6.90E+00	1.16E+02
5903	486704.83	3859564.79	8.71928	4.30423	10.59514	6.8561	17.63356	10.94885	4.31029	4.30423	8.94E+01	1.94E+00	2.69E-04	3.55E-01	8.13E+00	1.51E+00	7.44E+00	7.13E+00	1.02E+02
5904	486610.41	3859564.01	8.32369	4.42619	13.10936	6.43498	16.89888	9.84176	4.43388	4.42619	8.54E+01	1.99E+00	3.33E-04	3.33E-01	7.79E+00	1.36E+00	7.66E+00	7.33E+00	9.71E+01
5905	486515.99	3859563.23	8.16057	4.53144	11.5128	5.94858	16.63304	8.86831	4.54173	4.53144	8.37E+01	2.04E+00	2.92E-04	3.08E-01	7.67E+00	1.23E+00	7.84E+00	7.51E+00	9.53E+01
5906	486421.57	3859562.45	8.02546	4.6118	12.26242	5.46987	17.23327	8.10857	4.62392	4.6118	8.23E+01	2.08E+00	3.11E-04	2.83E-01	7.94E+00	1.12E+00	7.98E+00	7.64E+00	9.41E+01
5907	486327.14	3859561.67	7.88653	4.66588	12.07087	5.01777	17.43623	7.5175	4.68036	4.66588	8.09E+01	2.10E+00	3.06E-04	2.60E-01	8.04E+00	1.04E+00	8.08E+00	7.73E+00	9.27E+01
5908	486232.72	3859560.89	7.70958	4.69929	9.63878	4.6252	17.15254	6.99501	4.7156	4.69929	7.91E+01	2.11E+00	2.45E-04	2.39E-01	7.90E+00	9.67E-01	8.14E+00	7.79E+00	9.06E+01
5909	486138.3	3859560.1	7.50742	4.70595	9.62671	4.78054	16.45773	6.57615	4.72413	4.70595	7.70E+01	2.12E+00	2.44E-04	2.47E-01	7.58E+00	9.09E-01	8.16E+00	7.80E+00	8.82E+01
5910	486043.88	3859559.32	7.26797	4.68846	9.09845	4.9022	15.98643	6.22002	4.70845	4.68846	7.45E+01	2.11E+00	2.31E-04	2.54E-01	7.37E+00	8.60E-01	8.13E+00	7.77E+00	8.55E+01
5911	485949.35	3859463.54	7.29829	4.54449	10.24342	5.44013	21.29346	5.86875	4.55807	4.54449	7.48E+01	2.05E+00	2.60E-04	2.82E-01	9.81E+00	8.11E-01	7.87E+00	7.53E+00	8.81E+01
5912	485949.24	3859368.55	7.60267	4.1266	9.39306	5.38725	23.97322	6.92594	4.13298	4.1266	7.80E+01	1.86E+00	2.38E-04	2.79E-01	1.10E+01	9.58E-01	7.14E+00	6.84E+00	9.24E+01
5913	485949.12	3859273.55	7.90341	3.54336	11.62559	5.37836	26.30283	8.56783	3.54523	3.54336	8.10E+01	1.59E+00	2.95E-04	2.78E-01	1.21E+01	1.18E+00	6.12E+00	5.87E+00	9.65E+01
5914	485949.01	3859178.56	8.19584	2.96016	12.43331	6.07785	28.15874	8.86988	2.96095	2.96016	8.40E+01	1.33E+00	3.15E-04	3.15E-01	1.30E+01	1.23E+00	5.11E+00	4.90E+00	1.00E+02
5915	485948.9	3859083.56	8.49744	2.49565	11.9935	6.47822	29.63683	7.8089	2.49829	2.49565	8.71E+01	1.12E+00	3.04E-04	3.35E-01	1.37E+01	1.08E+00	4.31E+00	4.14E+00	1.04E+02
5916	485948.79	3858988.56	8.78802	2.43587	12.34277	6.34023	30.51789	8.02638	2.23293	2.43587	9.01E+01	1.10E+00	3.13E-04	3.28E-01	1.41E+01	1.11E+00	3.86E+00	4.04E+00	1.07E+02
5917	485948.67	3858893.57	9.07988	2.56046	12.56845	5.72421	30.86128	8.30051	2.17594	2.56046	9.31E+01	1.15E+00	3.19E-04	2.96E-01	1.42E+01	1.15E+00	3.76E+00	4.24E+00	1.09E+02
5918	485948.56	3858798.57	9.39428	2.66628	12.00433	5.49568	30.81382	9.20781	2.29404	2.66628	9.63E+01	1.20E+00	3.05E-04	2.84E-01	1.42E+01	1.27E+00	3.96E+00	4.42E+00	1.13E+02
5919	485948.45	3858703.58	9.68575	2.72907	15.00728	5.23213	29.86177	9.97886	2.47026	2.72907	9.93E+01	1.23E+00	3.81E-04	2.71E-01	1.38E+01	1.38E+00	4.26E+00	4.52E+00	1.16E+02
5920	485948.34	3858608.58	10.00627	2.77496	13.55268	4.76149	28.46231	10.60366	2.59569	2.77496	1.03E+02	1.25E+00	3.44E-04	2.46E-01	1.31E+01	1.47E+00	4.48E+00	4.60E+00	1.19E+02
5921	485948.22	3858513.59	10.33383	2.79533	14.97339	5.16619	26.37208	11.38825	2.57031	2.79533	1.06E+02	1.26E+00	3.80E-04	2.67E-01	1.22E+01	1.57E+00	4.44E+00	4.63E+00	1.21E+02
5922	485948.11	3858418.59	10.66927	2.79201	16.76513	5.03499	24.80005	12.51019	2.38932	2.79201	1.09E+02	1.26E+00	4.25E-04	2.61E-01	1.14E+01	1.73E+00	4.13E+00	4.63E+00	1.24E+02
5923	485948	3858323.59	11.04843	3.02671	17.75136	4.59845	25.30688	13.04466	2.35952	3.02671	1.13E+02	1.36E+00	4.50E-04	2.38E-01	1.17E+01	1.80E+00	4.07E+00	5.02E+00	1.27E+02
5924	485947.89	3858228.6	11.49429	3.47701	17.1431	4.82758	28.74146	14.56795	2.46752	3.47701	1.18E+02	1.56E+00	4.35E-04	2.50E-01	1.32E+01	2.01E+00	4.26E+00	5.76E+00	1.33E+02
5925	485947.77	3858133.6	12.16568	3.95197	14.27332	4.74102	32.17115	14.77911	2.56678	3.95197	1.25E+02	1.78E+00	3.62E-04	2.45E-01	1.48E+01	2.04E+00	4.43E+00	6.55E+00	1.42E+02
5926	485947.66	3858038.61	13.51922	4.48398	8.13846	4.87002	34.99878	16.90884	2.91398	4.48398	1.39E+02	2.02E+00	2.06E-04	2.52E-01	1.61E+01	2.34E+00	5.03E+00	7.43E+00	1.57E+02
5927	485854.54	3857943.35	13.10424	4.51564	10.08407	5.12468	36.29989	17.42607	3.03571	4.51564	1.34E+02	2.03E+00	2.56E-04	2.65E-01	1.67E+01	2.41E+00	5.24E+00	7.48E+00	1.54E+02
5928	485761.52	3857943.09	12.64809	4.00122	9.65768	4.96182	35.62467	15.73788	2.88072	4.00122	1.30E+02	1.80E+00	2.45E-04	2.57E-01	1.64E+01	2.18E+00	4.97E+00	6.63E+00	1.49E+02
5929	485668.51	3857942.83	12.62038	3.46617	9.52458	4.82266	34.87975	14.44923	2.73001	3.46617	1.29E+02	1.56E+00	2.42E-04	2.50E-01	1.61E+01	2.00E+00	4.71E+00	5.74E+00	1.48E+02
5930	485575.5	3857942.56	12.52535	3.27084	9.46957	4.67009	33.81613	13.37324	2.56524	3.27084	1.28E+02	1.47E+00	2.40E-04	2.42E-01	1.56E+01	1.85E+00	4.43E+00	5.42E+00	1.47E+02
5931	485482.48	3857942.3	12.33257	3.34115	8.7219	4.53985	32.61438	12.50773	2.41841	3.34115	1.26E+02	1.50E+00	2.21E-04	2.35E-01	1.50E+01	1.73E+00	4.18E+00	5.54E+00	1.44E+02
5932	485389.47	3857942.04	12.02544	3.31629	8.30971	4.41202	31.12805	11.7726	2.37292	3.31629	1.23E+02	1.49E+00	2.11E-04	2.28E-01	1.43E+01	1.63E+00	4.10E+00	5.49E+00	1.40E+02
5933	485296.46	3857941.78	11.66824	3.17564	7.94919	4.28964	29.91394	11.14305	2.32843	3.17564	1.20E+02	1.43E+00	2.02E-04	2.22E-01	1.38E+01	1.54E+00	4.02E+00	5.26E+00	1.35E+02
5934	485203.45	3857941.52	11.36183	3.07994	7.49538	4.18244	30.4137	10.59816	2.29297	3.07994	1.17E+02	1.39E+00	1.90E-04	2.17E-01	1.40E+01	1.47E+00	3.96E+00	5.10E+00	1.32E+02
5935	485110.43	3857941.26	11.10779	3.06812	8.16247	4.06632	30.73206	10.11562	2.24618	3.06812	1.14E+02	1.38E+00	2.07E-04	2.10E-01	1.42E+01	1.40E+00	3.88E+00	5.08E+00	1.30E+02
5936	485017.42	3857940.99	10.86608	2.9464	9.10243	3.95061	30.9469	9.68563	2.19129	2.9464	1.11E+02	1.33E+00	2.31E-04	2.05E-01	1.43E+01	1.34E+00	3.78E+00	4.88E+00	1.27E+02
5937	484924.41	3857940.73	10.59186	2.71493	7.58028	3.94768	31.13295	9.29596	2.13036	2.71493	1.09E+02	1.22E+00	1.92E-04	2.04E-01	1.43E+01	1.29E+00	3.68E+00	4.50E+00	1.25E+02
5938	484831.39	3857940.47	10.26294	2.39375	6.03241	4.05457	31.35115	8.94155	2.06844	2.39375	1.05E+02	1.08E+00	1.53E-04	2.10E-01	1.44E+01	1.24E+00	3.57E+00	3.97E+00	1.22E+02
5939	484738.12	3857859.3	10.43502	2.39477	8.37327	3.89281	34.68645	8.81054	2.10555	2.39477	1.07E+02	1.08E+00	2.12E-04	2.02E-01	1.60E+01	1.22E+00	3.64E+00	3.97E+00	1.25E+02
5940	484737.85	3857778.4	11.02971	2.50955	10.28027	4.08391	37.09365	8.58406	2.1768	2.50955	1.13E+02	1.13E+00	2.61E-04	2.11E-01	1.71E+01	1.19E+00	3.76E+00	4.16E+00	1.32E+02
5941	484737.59	3857697.49	11.64122	2.71538	10.58884	4.30529	38.28154	8.3908	2.20918	2.71538	1.19E+02	1.22E+00	2.69E-04	2.23E-01	1.76E+01	1.16E+00	3.81E+00	4.50E+00	1.39E+02
5942	484737.32	3857616.59	12.28291	2.94847	10.00023	4.42404	37.86075	8.27264	2.27429	2.94847	1.26E+02	1.33E+00	2.54E-04	2.29E-01	1.74E+01	1.14E+00	3.93E+00	4.89E+00	1.45E+02
5943	484645.53	3857535.18	12.71583	2.83016	10.11927	4.3453	34.1359	7.3933	2.3768	2.83016	1.30E+02	1.27E+00	2.57E-04	2.25E-01	1.57E+01	1.02E+00	4.10E+00	4.69E+00	1.48E+02
5944	484553.99	3857534.67	12.39485	2.65046	10.08565	4.27427	32.54776	7.3873	2.2457	2.65046	1.27E+02	1.19E+00	2.56E-04	2.21E-01	1.50E+01	1.02E+00	3.88E+00	4.39E+00	1.44E+02
5945	484462.46	3857534.17	12.00937	2.57328	12.23714	4.21124	31.08036	7.32899	2.13532	2.57328	1.23E+02	1.16E+00	3.10E-04	2.18E-01	1.43E+01	1.01E+00	3.69E+00	4.26E+00	1.39E+02
5946	484370.93	3857533.66	11.50576	2.4989	9.88331	4.14333	29.57908	7.23777	2.12052	2.4989	1.18E+02	1.12E+00	2.51E-04	2.14E-01	1.36E+01	1.00E+00	3.66E+00	4.14E+00	1.33E+02
5947	484279.4	3857533.16	10.76104	2.42958	8.8534	4.07656	28.1253	7.16886	2.10324	2.42958	1.10E+02	1.09E+00	2.25E-04	2.11E-01	1.30E+01	9.91E-01	3.63E+00	4.03E+00	1.25E+02
5948	484187.86	3857532.65	9.48704	2.36308	11.95563	4.00592	26.65746	7.06421	2.08045	2.36308	9.73E+01	1.06E+00	3.03E-04	2.07E-01	1.23E+01	9.77E-01	3.59E+00	3.92E+00	1.11E+02
5949	484096.33	3857532.15	7.46728	2.36223	13.68678	3.94051	25.29872	7.01222	2.05582	2.36223	7.66E+01	1.06E+00	3.47E-04	2.04E-01	1.17E+01	9.69E-01	3.55E+00	3.91E+00	9.01E+01
5950	484004.8	3857531.64	5.93869	2.36029	10.79822	3.86774	23.88088	6.85854	2.02067	2.36029	6.09E+01	1.06E+00	2.74E-04	2.00E-01	1.10E+01	9.48E-01	3.49E+00	3.91E+00	7.37E+01
5951	483913.27	3857531.14	5.58063	2.4003	12.73714	3.78883	22.42651	6.85643	1.97324	2.4003	5.72E+01	1.08E+00	3.23E-04	1.96E-01	1.03E+01	9.48E-01	3.41E+00	3.98E+00	6.92E+01
5952	483821.73	3857530.63	5.65694	2.44226	11.57571	3.71782	21.35893	6.86081	1.92272	2.44226	5.80E+01	1.10E+00	2.94E-04	1.92E-01	9.84E+00	9.49E-01	3.32E+00	4.05E+00	6.94E+01
5953	483729.61	3857450.11	6.35532	2.41754	12.67054	3.70014	19.66044	6.72628	1.94801	2.41754	6.52E+01	1.09E+00	3.21E-04	1.92E-01	9.06E+00	9.30E-01	3.36E+00	4.01E+00	7.58E+01
5954	483729.03	3857370.08	6.82117	2.52982	13.1498	3.67544	17.76101	6.28495	1.98891	2.52982	6.99E+01	1.14E+00	3.34E-04	1.90E-01	8.19E+00	8.69E-01	3.43E+00	4.19E+00	7.96E+01
5955	483728.44	3857290.06	7.20852	2.63185	11.68148	3.56488	16.18055	5.51275	1.98113	2.63185	7.39E+01	1.18E+00	2.96E-04	1.85E-01	7.46E+00	7.62E-01	3.42E+00	4.36E+00	8.26E+01

5956	483727.86	3857210.03	9.25108	2.72676	12.77299	3.39967	18.45562	5.03216	2.01405	2.72676	9.49E+01	1.23E+00	3.24E-04	1.76E-01	8.51E+00	6.96E-01	3.48E+00	4.52E+00	1.04E+02
5957	483641.15	3857129.07	9.91973	2.69891	11.46592	3.37394	19.85201	5.0117	2.10966	2.69891	1.02E+02	1.21E+00	2.91E-04	1.75E-01	9.15E+00	6.93E-01	3.64E+00	4.47E+00	1.12E+02
5958	483555.03	3857128.14	9.49227	2.3818	11.29565	3.34615	19.52386	4.89944	2.00733	2.3818	9.73E+01	1.07E+00	2.87E-04	1.73E-01	9.00E+00	6.77E-01	3.47E+00	3.95E+00	1.08E+02
5959	483468.91	3857127.2	9.10967	2.33069	12.03365	3.2944	19.07598	4.6805	1.89307	2.33069	9.34E+01	1.05E+00	3.05E-04	1.71E-01	8.79E+00	6.47E-01	3.27E+00	3.86E+00	1.03E+02
5960	483382.78	3857126.26	8.77107	2.33278	12.99176	3.2966	18.83755	4.65668	1.89715	2.33278	8.99E+01	1.05E+00	3.30E-04	1.71E-01	8.68E+00	6.44E-01	3.28E+00	3.87E+00	9.99E+01
5961	483296.66	3857125.32	8.46793	2.33512	12.02276	3.28303	18.51415	4.86683	1.89511	2.33512	8.68E+01	1.05E+00	3.05E-04	1.70E-01	8.53E+00	6.73E-01	3.27E+00	3.87E+00	9.67E+01
5962	483210.54	3857124.39	8.19459	2.33693	10.95182	3.26555	18.16114	5.07652	1.88762	2.33693	8.40E+01	1.05E+00	2.78E-04	1.69E-01	8.37E+00	7.02E-01	3.26E+00	3.87E+00	9.37E+01
5963	483123.4	3857030.96	8.32212	2.30538	10.78205	3.33597	18.6182	4.39409	1.84778	2.30538	8.53E+01	1.04E+00	2.74E-04	1.73E-01	8.58E+00	6.07E-01	3.19E+00	3.82E+00	9.51E+01
5964	483122.38	3856938.46	8.61724	2.21502	10.9669	3.54075	18.36693	4.43404	1.94098	2.21502	8.84E+01	9.97E-01	2.78E-04	1.83E-01	8.46E+00	6.13E-01	3.35E+00	3.67E+00	9.83E+01
5965	483121.35	3856845.97	8.73821	2.27969	11.94414	3.82018	21.78528	4.83699	2.11894	2.27969	8.96E+01	1.03E+00	3.03E-04	1.98E-01	1.00E+01	6.69E-01	3.66E+00	3.78E+00	1.01E+02
5966	483120.33	3856753.47	8.80664	2.48406	13.98122	4.05612	24.23012	4.87879	2.20446	2.48406	9.03E+01	1.12E+00	3.55E-04	2.10E-01	1.12E+01	6.75E-01	3.81E+00	4.12E+00	1.03E+02
5967	483119.31	3856660.98	8.88045	2.65921	12.75484	4.2054	25.40093	4.98751	2.20871	2.65921	9.11E+01	1.20E+00	3.24E-04	2.18E-01	1.17E+01	6.90E-01	3.81E+00	4.41E+00	1.04E+02
5968	483118.29	3856568.49	8.89478	2.81022	13.47533	4.22355	25.48063	4.97185	2.14144	2.81022	9.12E+01	1.26E+00	3.42E-04	2.19E-01	1.17E+01	6.87E-01	3.70E+00	4.66E+00	1.04E+02
5969	483117.26	3856475.99	8.91806	2.94407	15.05152	4.09053	25.01967	4.54896	2.0163	2.94407	9.14E+01	1.32E+00	3.82E-04	2.12E-01	1.15E+01	6.29E-01	3.48E+00	4.88E+00	1.04E+02
5970	483116.24	3856383.5	9.24251	3.028	15.80137	3.82636	22.73906	4.08424	1.85544	3.028	9.48E+01	1.36E+00	4.01E-04	1.98E-01	1.05E+01	5.65E-01	3.20E+00	5.02E+00	1.06E+02
5971	483115.22	3856291.01	9.61976	3.01134	14.68115	3.51731	21.4287	4.09418	1.68144	3.01134	9.86E+01	1.36E+00	3.72E-04	1.82E-01	9.88E+00	5.66E-01	2.90E+00	4.99E+00	1.09E+02
5972	483114.2	3856198.51	9.9414	2.85318	14.36383	3.21283	22.28535	4.8143	1.5163	2.85318	1.02E+02	1.28E+00	3.64E-04	1.66E-01	1.03E+01	6.66E-01	2.62E+00	4.73E+00	1.12E+02
5973	483113.17	3856106.02	9.99357	2.63942	13.58515	2.99144	24.84461	5.03645	1.36567	2.63942	1.02E+02	1.19E+00	3.45E-04	1.55E-01	1.14E+01	6.96E-01	2.36E+00	4.37E+00	1.14E+02
5974	483112.15	3856013.52	9.79221	2.525	13.68505	2.81754	25.10556	4.87693	1.47804	2.525	1.00E+02	1.14E+00	3.47E-04	1.46E-01	1.16E+01	6.74E-01	2.55E+00	4.18E+00	1.12E+02
5975	483029.25	3855920.47	9.63564	2.89658	14.0899	2.73455	23.51923	5.4049	1.65587	2.89658	9.88E+01	1.30E+00	3.57E-04	1.42E-01	1.08E+01	7.47E-01	2.86E+00	4.80E+00	1.10E+02
5976	482947.37	3855919.91	9.51998	2.46812	18.46676	2.75702	23.9418	4.63193	1.46551	2.46812	9.76E+01	1.11E+00	4.68E-04	1.43E-01	1.10E+01	6.40E-01	2.53E+00	4.09E+00	1.09E+02
5977	482865.49	3855919.36	9.1179	2.35943	13.98893	2.77756	24.20577	4.67675	1.29385	2.35943	9.35E+01	1.06E+00	3.55E-04	1.44E-01	1.12E+01	6.47E-01	2.23E+00	3.91E+00	1.05E+02
5978	482783.61	3855918.8	8.67722	2.39582	16.21303	2.81212	24.45144	4.63766	1.29446	2.39582	8.90E+01	1.08E+00	4.11E-04	1.46E-01	1.13E+01	6.41E-01	2.23E+00	3.97E+00	1.00E+02
5979	482700.33	3855818.39	8.84794	2.50632	17.93245	2.71564	22.3795	4.48003	1.44402	2.50632	9.07E+01	1.13E+00	4.55E-04	1.41E-01	1.03E+01	6.19E-01	2.49E+00	4.15E+00	1.01E+02
5980	482698.92	3855718.54	9.9185	2.96388	16.5271	2.65301	18.17547	4.88758	1.67631	2.96388	1.02E+02	1.33E+00	4.19E-04	1.37E-01	8.38E+00	6.76E-01	2.89E+00	4.91E+00	1.10E+02
5981	482697.52	3855618.68	9.71346	3.77355	19.01845	2.62225	12.95309	6.15104	2.01829	3.77355	9.96E+01	1.70E+00	4.82E-04	1.36E-01	5.97E+00	8.50E-01	3.48E+00	6.25E+00	1.05E+02
5982	482696.11	3855518.83	9.74719	4.4862	16.24362	2.64015	11.37807	7.05962	2.3303	4.4862	9.99E+01	2.02E+00	4.12E-04	1.37E-01	5.24E+00	9.76E-01	4.02E+00	7.43E+00	1.05E+02
5983	482694.71	3855418.98	9.97176	4.82205	19.77577	2.66682	11.41861	7.50182	2.49982	4.82205	1.02E+02	2.17E+00	5.02E-04	1.38E-01	5.26E+00	1.04E+00	4.32E+00	7.99E+00	1.07E+02
5984	482693.3	3855319.13	10.11997	4.90185	21.16335	2.70312	12.33284	7.73525	2.55639	4.90185	1.04E+02	2.21E+00	5.37E-04	1.40E-01	5.68E+00	1.07E+00	4.41E+00	8.12E+00	1.09E+02
5985	482691.9	3855219.27	10.2262	4.82327	26.911	2.80906	12.24661	7.80631	2.53201	4.82327	1.05E+02	2.17E+00	6.83E-04	1.45E-01	5.64E+00	1.08E+00	4.37E+00	7.99E+00	1.10E+02
5986	482690.49	3855119.42	10.2795	6.00891	31.71725	2.97216	13.18603	6.99997	2.39352	6.00891	1.05E+02	2.70E+00	8.05E-04	1.54E-01	6.08E+00	9.68E-01	4.13E+00	9.96E+00	1.09E+02
5987	482689.09	3855019.57	10.33446	7.84191	30.10971	3.12488	13.08638	8.35005	2.22613	7.84191	1.06E+02	3.53E+00	7.64E-04	1.62E-01	6.03E+00	1.15E+00	3.84E+00	1.30E+01	1.08E+02
5988	482687.68	3854919.71	10.33311	8.92681	20.20665	3.08667	11.84702	11.11388	2.81954	8.92681	1.06E+02	4.02E+00	5.13E-04	1.60E-01	5.46E+00	1.54E+00	4.87E+00	1.48E+01	1.07E+02
5989	482686.28	3854819.86	10.31729	9.43035	18.10765	3.20854	9.87017	15.44556	3.382	9.43035	1.06E+02	4.24E+00	4.59E-04	1.66E-01	4.55E+00	2.14E+00	5.84E+00	1.56E+01	1.07E+02
5990	482684.88	3854720.01	10.228	9.77229	31.16901	3.82286	9.54263	16.09318	3.73611	9.77229	1.05E+02	4.40E+00	7.91E-04	1.98E-01	4.40E+00	2.22E+00	6.45E+00	1.62E+01	1.06E+02
5991	482683.47	3854620.16	10.12862	10.50769	31.50488	4.47668	11.52881	18.48062	3.97279	10.50769	1.04E+02	4.73E+00	7.99E-04	2.32E-01	5.31E+00	2.55E+00	6.86E+00	1.74E+01	1.06E+02
5992	482682.07	3854520.31	9.95512	9.88573	33.15881	4.88537	12.79734	21.86005	3.98773	9.88573	1.02E+02	4.45E+00	8.41E-04	2.53E-01	5.90E+00	3.02E+00	6.88E+00	1.64E+01	1.06E+02
5993	482680.66	3854420.45	9.7287	10.49745	34.7066	5.11715	13.13522	21.06084	3.89295	10.49745	9.98E+01	4.72E+00	8.80E-04	2.65E-01	6.05E+00	2.91E+00	6.72E+00	1.74E+01	1.03E+02
5994	482679.26	3854320.6	9.45084	9.94935	18.55358	5.21279	12.48724	21.52694	3.76802	9.94935	9.69E+01	4.48E+00	4.71E-04	2.70E-01	5.75E+00	2.98E+00	6.51E+00	1.65E+01	1.00E+02
5995	482677.85	3854220.75	9.87953	14.2507	7.90886	5.36186	13.96293	23.29082	4.19217	14.2507	1.01E+02	6.41E+00	2.01E-04	2.78E-01	6.43E+00	3.22E+00	7.24E+00	2.36E+01	1.01E+02
5996	482676.45	3854120.9	10.19425	11.91819	6.41896	5.43523	15.88212	22.77543	4.78992	11.91819	1.05E+02	5.36E+00	1.63E-04	2.81E-01	7.32E+00	3.15E+00	8.27E+00	1.97E+01	1.09E+02
5997	482675.04	3854021.04	10.50135	12.50599	8.30467	5.93711	16.97671	25.15045	5.06461	12.50599	1.08E+02	5.63E+00	2.11E-04	3.07E-01	7.82E+00	3.48E+00	8.74E+00	2.07E+01	1.13E+02
5998	482673.64	3853921.19	10.76233	11.80676	9.73956	7.01356	17.01087	19.55553	7.00302	11.80676	1.10E+02	5.31E+00	2.47E-04	3.63E-01	7.84E+00	2.70E+00	1.21E+01	1.96E+01	1.19E+02
5999	482672.23	3853821.34	11.02241	10.69738	9.50104	10.44012	16.14478	12.08513	12.753	10.69738	1.13E+02	4.81E+00	2.41E-04	5.40E-01	7.44E+00	1.67E+00	2.20E+01	1.77E+01	1.32E+02
6000	482670.83	3853721.48	11.24148	9.97689	7.90069	16.71606	14.45143	12.00889	11.3174	9.97689	1.15E+02	4.49E+00	2.00E-04	8.65E-01	6.66E+00	1.66E+00	1.95E+01	1.65E+01	1.32E+02
6001	482669.42	3853621.63	11.40487	9.60882	6.10957	16.22469	12.2172	9.6234	8.55372	9.60882	1.17E+02	4.32E+00	1.55E-04	8.40E-01	5.63E+00	1.33E+00	1.48E+01	1.59E+01	1.28E+02
6002	482645.99	3853446.13	11.44381	9.26008	7.01022	10.91229	8.32344	6.6131	9.6247	9.26008	1.17E+02	4.17E+00	1.78E-04	5.65E-01	3.84E+00	9.14E-01	1.66E+01	1.53E+01	1.28E+02
6003	482623.96	3853370.48	11.28177	9.04819	7.06997	9.53934	6.93891	6.85913	9.97985	9.04819	1.16E+02	4.07E+00	1.79E-04	4.94E-01	3.20E+00	9.48E-01	1.72E+01	1.50E+01	1.27E+02
6004	482601.94	3853294.84	11.00106	9.11047	7.09212	8.57413	6.7148	6.7337	9.98797	9.11047	1.13E+02	4.10E+00	1.80E-04	4.44E-01	3.09E+00	9.31E-01	1.72E+01	1.51E+01	1.24E+02
6005	482531.29	3853133.44	10.34166	9.73045	5.79084	7.48009	7.87529	5.96687	9.7654	9.73045	1.06E+02	4.38E+00	1.47E-04	3.87E-01	3.63E+00	8.25E-01	1.69E+01	1.61E+01	1.16E+02
6006	482482.68	3853047.69	10.08388	11.53684	5.40602	6.98572	8.25847	5.62323	11.6911	11.53684	1.03E+02	5.19E+00	1.37E-04	3.62E-01	3.81E+00	7.77E-01	2.02E+01	1.91E+01	1.15E+02
6007	482383.08	3852897.4	9.63997	15.24985	5.97225	6.02599	8.56854	5.13303	15.4861	15.24985	9.88E+01	6.86E+00	1.52E-04	3.12E-01	3.95E+00	7.10E-01	2.67E+01	2.53E+01	1.12E+02
6008	482265.64	3852765.26	9.18025	16.04857	6.79657	5.45798	8.52449	4.91781	16.3101	16.04857	9.41E+01	7.22E+00	1.72E-04	2.83E-01	3.93E+00	6.80E-01	2.82E+01	2.66E+01	1.08E+02
6009	482199.16	3852697.66	8.99621	15.66625	7.33237	5.25033	8.45612	4.84137	15.9231	15.66625	9.22E+01	7.05E+00	1.86E-04	2.72E-01	3.90E+00	6.69E-01	2.75E+01	2.60E+01	1.06E+02
6010	482132.69	3852630.07	8.85689	15.30321	7.83415	5.05834	8.38853	4.76609	15.5587	15.30321	9.08E+01	6.89E+00	1.99E-04	2.62E-01	3.87E+00	6.59E-01	2.69E+01	2.54E+01	1.04E+02
6011	482066.21	3852562.48	8.73382	14.81861	8.36299	4.87124	8.311	4.68741	15.068	14.81861	8.96E+01	6.67E+00	2.12E-04	2.52E-01	3.83E+00	6.48E-01	2.60E+01	2.46E+01	1.02E+02
6012	481999.74	3852494.89	8.61761	14.22933	8.88206	4.68019	8.22364	4.60556	14.4692	14.22933	8.84E+01	6.40E+00	2.25E-04	2.42E-01	3.79E+00	6.37E-01	2.50E+01	2.36E+01	1.01E+02
6013	481933.26	3852427.29	8.50938	13.56902	9.30055	4.49692	8.13303	4.52491	13.7962	13.56902	8.73E+01	6.11E+00	2.36E-04	2.33E-01	3.75E+00	6.26E-01	2.38E+01	2.25E+01	9.93E+01
6014	481866.79	3852359.7	8.42735	13.19956	9.50825	4.33656	8.04852	4.4514	13.4218	13.19956	8.64E+01	5.94E+00	2.41E-04	2.24E-01	3.71E+00	6.15E-01	2.32E+01	2.19E+01	9.82E+01

6015	481800.31	3852292.11	8.35445	12.8716	9.59396	4.18254	7.9629	4.37852	13.0906	12.8716	8.57E+01	5.79E+00	2.43E-04	2.17E-01	3.67E+00	6.05E-01	2.26E+01	2.13E+01	9.72E+01
6016	481733.84	3852224.52	8.28093	12.51318	9.58056	4.02962	7.87073	4.30501	12.7311	12.51318	8.49E+01	5.63E+00	2.43E-04	2.09E-01	3.63E+00	5.95E-01	2.20E+01	2.07E+01	9.62E+01
6017	481667.36	3852156.92	8.22891	12.29202	9.41228	3.88881	7.78076	4.2991	12.5145	12.29202	8.44E+01	5.53E+00	2.39E-04	2.01E-01	3.59E+00	5.94E-01	2.16E+01	2.04E+01	9.55E+01
6018	481600.89	3852089.33	8.13538	11.74898	9.21543	3.73682	7.66949	4.33859	11.8894	11.74898	8.34E+01	5.29E+00	2.34E-04	1.93E-01	3.53E+00	6.00E-01	2.05E+01	1.95E+01	9.41E+01
6019	481534.41	3852021.74	8.03444	11.34455	8.92755	3.58861	7.55391	4.2856	11.5596	11.34455	8.24E+01	5.11E+00	2.26E-04	1.86E-01	3.48E+00	5.92E-01	2.00E+01	1.88E+01	9.29E+01
6020	481467.94	3851954.15	7.94613	11.13293	8.53452	3.45081	7.44101	4.20137	11.2651	11.13293	8.15E+01	5.01E+00	2.17E-04	1.79E-01	3.43E+00	5.81E-01	1.94E+01	1.84E+01	9.17E+01
6021	481401.46	3851886.55	7.88862	11.37956	8.03528	3.34809	7.33525	4.12398	11.5201	11.37956	8.09E+01	5.12E+00	2.04E-04	1.73E-01	3.38E+00	5.70E-01	1.99E+01	1.89E+01	9.12E+01
6022	481265.87	3851761.43	7.56486	12.28617	6.84766	3.24886	7.12634	3.86451	12.379	12.28617	7.76E+01	5.53E+00	1.74E-04	1.68E-01	3.28E+00	5.34E-01	2.14E+01	2.04E+01	8.81E+01
6023	481196.74	3851703.89	7.40057	13.62818	6.10486	3.22283	7.03964	3.81598	13.7032	13.62818	7.59E+01	6.13E+00	1.55E-04	1.67E-01	3.24E+00	5.28E-01	2.37E+01	2.26E+01	8.70E+01
6024	481076.33	3851619.04	7.09339	15.49709	4.6897	3.27308	6.90951	3.74788	15.5655	15.49709	7.27E+01	6.97E+00	1.19E-04	1.69E-01	3.18E+00	5.18E-01	2.69E+01	2.57E+01	8.48E+01
6025	480939.8	3851549.07	6.8326	15.79422	2.95297	3.60222	6.77697	3.68111	15.9309	15.79422	7.01E+01	7.11E+00	7.49E-05	1.86E-01	3.12E+00	5.09E-01	2.75E+01	2.62E+01	8.23E+01
6026	480854.56	3851506.41	6.70142	15.80804	2.09971	3.80634	6.66641	3.65757	15.9967	15.80804	6.87E+01	7.11E+00	5.33E-05	1.97E-01	3.07E+00	5.06E-01	2.76E+01	2.62E+01	8.10E+01
6027	480769.32	3851463.75	6.58119	15.89367	1.42372	4.0048	6.54107	3.64028	16.1368	15.89367	6.75E+01	7.15E+00	3.61E-05	2.07E-01	3.01E+00	5.03E-01	2.79E+01	2.63E+01	7.99E+01
6028	480684.08	3851421.08	6.45661	15.97326	1.25747	4.19446	6.3989	3.65648	16.274	15.97326	6.62E+01	7.19E+00	3.19E-05	2.17E-01	2.95E+00	5.06E-01	2.81E+01	2.65E+01	7.87E+01
6029	480598.84	3851378.42	6.3047	15.82789	1.24432	4.35574	6.23812	3.7099	16.1804	15.82789	6.46E+01	7.12E+00	3.16E-05	2.25E-01	2.87E+00	5.13E-01	2.79E+01	2.62E+01	7.71E+01
6030	480435.71	3851275.01	6.0682	18.5271	1.19543	4.48965	5.97806	3.81746	19.0678	18.5271	6.22E+01	8.34E+00	3.03E-05	2.32E-01	2.75E+00	5.28E-01	3.29E+01	3.07E+01	7.63E+01
6031	480347.85	3851232.36	5.89255	18.24032	1.22864	4.62235	5.78974	3.92475	18.846	18.24032	6.04E+01	8.21E+00	3.12E-05	2.39E-01	2.67E+00	5.43E-01	3.25E+01	3.02E+01	7.44E+01
6032	480260	3851189.72	5.72461	18.00334	1.26394	4.73084	5.59147	4.04595	18.6624	18.00334	5.87E+01	8.10E+00	3.21E-05	2.45E-01	2.58E+00	5.59E-01	3.22E+01	2.98E+01	7.26E+01
6033	480172.15	3851147.07	5.5553	17.8272	1.30192	4.8117	5.38632	4.16411	18.5335	17.8272	5.70E+01	8.02E+00	3.30E-05	2.49E-01	2.48E+00	5.76E-01	3.20E+01	2.95E+01	7.08E+01
6034	480084.29	3851104.42	5.38703	17.7615	1.34193	4.8638	5.17623	4.2718	18.5123	17.7615	5.52E+01	7.99E+00	3.40E-05	2.52E-01	2.39E+00	5.91E-01	3.20E+01	2.94E+01	6.90E+01
6035	479996.44	3851061.77	5.2202	17.82265	1.38414	4.88581	4.96177	4.36089	18.6207	17.82265	5.35E+01	8.02E+00	3.51E-05	2.53E-01	2.29E+00	6.03E-01	3.21E+01	2.95E+01	6.73E+01
6036	479908.58	3851019.13	5.08701	18.59226	1.4118	4.91727	4.74428	4.38042	19.4807	18.59226	5.22E+01	8.37E+00	3.58E-05	2.55E-01	2.19E+00	6.06E-01	3.36E+01	3.08E+01	6.64E+01
6037	479820.73	3850976.48	4.90707	18.66738	1.46491	4.86835	4.52295	4.41437	19.5664	18.66738	5.03E+01	8.40E+00	3.72E-05	2.52E-01	2.08E+00	6.10E-01	3.38E+01	3.09E+01	6.45E+01
6038	479732.88	3850933.83	4.72438	18.73184	1.52678	4.78257	4.30261	4.39732	19.6175	18.73184	4.84E+01	8.43E+00	3.87E-05	2.48E-01	1.98E+00	6.08E-01	3.39E+01	3.10E+01	6.25E+01
6039	479645.02	3850891.18	4.53744	18.7403	1.60116	4.66053	4.0845	4.31893	19.6037	18.7403	4.65E+01	8.43E+00	4.06E-05	2.41E-01	1.88E+00	5.97E-01	3.38E+01	3.11E+01	6.05E+01
6040	479557.17	3850848.54	4.34593	18.64523	1.6922	4.49246	3.86902	4.17368	19.4835	18.64523	4.46E+01	8.39E+00	4.29E-05	2.33E-01	1.78E+00	5.77E-01	3.36E+01	3.09E+01	5.83E+01
6041	479469.32	3850805.89	4.22643	18.83482	1.77527	4.33016	3.65716	3.93772	19.6641	18.83482	4.33E+01	8.48E+00	4.50E-05	2.24E-01	1.69E+00	5.44E-01	3.40E+01	3.12E+01	5.70E+01
6042	479381.46	3850763.24	4.01841	18.58988	1.89658	4.10406	3.59764	3.66408	19.401	18.58988	4.12E+01	8.37E+00	4.81E-05	2.12E-01	1.66E+00	5.07E-01	3.35E+01	3.08E+01	5.46E+01
6043	479293.61	3850720.59	3.7779	17.92139	2.04751	3.83717	3.54453	3.35321	18.6895	17.92139	3.87E+01	8.07E+00	5.19E-05	1.99E-01	1.63E+00	4.64E-01	3.23E+01	2.97E+01	5.17E+01
6044	479205.76	3850677.95	3.58615	17.24777	2.19943	3.57384	3.49019	3.0063	17.9428	17.24777	3.68E+01	7.76E+00	5.58E-05	1.85E-01	1.61E+00	4.16E-01	3.10E+01	2.86E+01	4.91E+01
6045	479117.9	3850635.3	3.39312	16.47454	2.36502	3.32637	3.41877	2.65463	17.0806	16.47454	3.48E+01	7.41E+00	6.00E-05	1.72E-01	1.58E+00	3.67E-01	2.95E+01	2.73E+01	4.65E+01
6046	479030.05	3850592.65	3.43094	16.04855	2.51984	3.09171	3.34319	2.30081	16.5994	16.04855	3.52E+01	7.22E+00	6.39E-05	1.60E-01	1.54E+00	3.18E-01	2.87E+01	2.66E+01	4.65E+01
6047	478942.19	3850550	3.46967	16.23392	2.6341	2.87097	3.30014	1.93056	16.7686	16.23392	3.56E+01	7.31E+00	6.68E-05	1.49E-01	1.52E+00	2.67E-01	2.90E+01	2.69E+01	4.69E+01
6048	478854.34	3850507.36	3.43474	17.44593	2.69769	2.67106	3.21229	1.85598	18.0158	17.44593	3.52E+01	7.85E+00	6.84E-05	1.38E-01	1.48E+00	2.57E-01	3.11E+01	2.89E+01	4.71E+01
6049	478766.49	3850464.71	3.25304	17.77219	2.81036	2.43391	3.13997	1.76335	18.3272	17.77219	3.34E+01	8.00E+00	7.13E-05	1.26E-01	1.45E+00	2.44E-01	3.16E+01	2.94E+01	4.54E+01
6050	478678.63	3850422.06	3.22351	17.83106	2.9327	2.20136	3.0707	1.66644	18.3652	17.83106	3.31E+01	8.02E+00	7.44E-05	1.14E-01	1.42E+00	2.30E-01	3.17E+01	2.95E+01	4.50E+01
6051	478590.78	3850379.41	3.2089	18.00132	3.04181	1.97431	3.00112	1.56673	18.5153	18.00132	3.29E+01	8.10E+00	7.72E-05	1.02E-01	1.38E+00	2.17E-01	3.20E+01	2.98E+01	4.48E+01
6052	478502.93	3850336.77	3.18811	17.97199	3.15152	1.8724	2.93175	1.47363	18.4604	17.97199	3.27E+01	8.09E+00	7.99E-05	9.69E-02	1.35E+00	2.04E-01	3.19E+01	2.98E+01	4.45E+01
6053	478415.07	3850294.12	3.15745	17.8805	3.25088	1.8245	2.86343	1.45619	18.3365	17.8805	3.24E+01	8.05E+00	8.25E-05	9.44E-02	1.32E+00	2.01E-01	3.17E+01	2.96E+01	4.41E+01
6054	478327.22	3850251.47	3.13496	18.05169	3.31863	1.77685	2.79377	1.45955	18.4953	18.05169	3.21E+01	8.12E+00	8.42E-05	9.20E-02	1.29E+00	2.02E-01	3.19E+01	2.99E+01	4.39E+01
6055	478239.36	3850208.82	3.10061	18.09175	3.37162	1.72804	2.72528	1.46246	18.5175	18.09175	3.18E+01	8.14E+00	8.55E-05	8.95E-02	1.26E+00	2.02E-01	3.20E+01	3.00E+01	4.35E+01
6056	478151.51	3850166.18	3.05346	18.02885	3.40669	1.67862	2.65682	1.46501	18.4306	18.02885	3.13E+01	8.11E+00	8.64E-05	8.69E-02	1.22E+00	2.03E-01	3.18E+01	2.99E+01	4.29E+01
6057	478063.66	3850123.53	2.99772	17.87152	3.42034	1.62899	2.59021	1.46728	18.2897	17.87152	3.07E+01	8.04E+00	8.68E-05	8.43E-02	1.19E+00	2.03E-01	3.16E+01	2.96E+01	4.22E+01
6058	477975.8	3850080.88	2.88766	17.49231	3.65956	1.57672	2.53498	1.46857	17.8486	17.49231	2.96E+01	7.87E+00	9.28E-05	8.16E-02	1.17E+00	2.03E-01	3.08E+01	2.90E+01	4.08E+01
6059	477887.95	3850038.23	2.87705	17.13898	3.89231	1.52664	2.56267	1.47011	17.4687	17.13898	2.95E+01	7.71E+00	9.87E-05	7.90E-02	1.18E+00	2.03E-01	3.02E+01	2.84E+01	4.04E+01
6060	477800.1	3849995.59	2.86007	16.44973	4.13317	1.4763	2.78649	1.4711	16.7442	16.44973	2.93E+01	7.40E+00	1.05E-04	7.64E-02	1.28E+00	2.03E-01	2.89E+01	2.73E+01	3.99E+01
6061	477712.24	3849952.94	2.8495	16.05964	4.31956	1.42802	2.92145	1.47237	16.3251	16.05964	2.92E+01	7.23E+00	1.10E-04	7.39E-02	1.35E+00	2.04E-01	2.82E+01	2.66E+01	3.96E+01
6062	477624.39	3849910.29	2.83745	15.63018	4.48815	1.45092	3.05215	1.47339	15.8652	15.63018	2.91E+01	7.03E+00	1.14E-04	7.51E-02	1.41E+00	2.04E-01	2.74E+01	2.59E+01	3.93E+01
6063	477536.54	3849867.64	2.82149	15.08727	4.64338	1.50925	3.52424	1.47396	15.2882	15.08727	2.89E+01	6.79E+00	1.18E-04	7.81E-02	1.62E+00	2.04E-01	2.64E+01	2.50E+01	3.90E+01
6064	477448.68	3849825	2.80938	14.80506	4.75969	1.56512	3.297	1.47457	14.978	14.80506	2.88E+01	6.66E+00	1.21E-04	8.10E-02	1.52E+00	2.04E-01	2.59E+01	2.45E+01	3.86E+01
6065	477360.83	3849782.35	2.79489	14.48142	4.85583	1.62104	3.40142	1.47474	14.6283	14.48142	2.87E+01	6.52E+00	1.23E-04	8.39E-02	1.57E+00	2.04E-01	2.53E+01	2.40E+01	3.83E+01
6066	477272.97	3849739.7	2.77887	14.08933	4.90941	1.67641	3.5053	1.47454	14.2104	14.08933	2.85E+01	6.34E+00	1.25E-04	8.68E-02	1.62E+00	2.04E-01	2.45E+01	2.33E+01	3.79E+01
6067	477185.12	3849697.05	2.75966	13.58676	4.96014	1.73167	3.62165	1.47382	13.6833	13.58676	2.83E+01	6.11E+00	1.26E-04	8.96E-02	1.67E+00	2.04E-01	2.36E+01	2.25E+01	3.75E+01
6068	477097.27	3849654.41	2.74361	13.24727	4.9931	1.78443	3.70508	1.47289	13.322	13.24727	2.81E+01	5.96E+00	1.27E-04	9.24E-02	1.71E+00	2.04E-01	2.30E+01	2.19E+01	3.71E+01
6069	477009.41	3849611.76	2.73431	13.24265	4.96402	1.82881	3.73213	1.47168	13.2975	13.24265	2.80E+01	5.96E+00	1.26E-04	9.47E-02	1.72E+00	2.03E-01	2.30E+01	2.19E+01	3.70E+01
6070	476841.49	3849530.08	2.69594	12.51613	4.87468	1.92196	3.91349	1.46728	12.5438	12.51613	2.76E+01	5.63E+00	1.24E-04	9.95E-02	1.80E+00	2.03E-01	2.17E+01	2.07E+01	3.63E+01
6071	476761.41	3849491.05	2.6729	12.16695	4.80986	1.96836	4.02093	1.52378	12.1943	12.16695	2.74E+01	5.48E+00	1.22E-04	1.02E-01	1.85E+00	2.11E-01	2.11E+01	2.02E+01	3.59E+01
6072	476681.34	3849452.02	2.65328	12.31865	4.71208	2.01062	4.10211	1.56733	12.3554	12.31865	2.72E+01	5.54E+00	1.20E-04	1.04E-01	1.89E+00	2.17E-01	2.13E+01	2.04E+01	3.59E+01
6073	476601.26	3849412.99	2.63469	13.13703	4.58672	2.05175	4.17412	1.60323	13.1873	13.13703	2.70E+01	5.91E+00	1.16E-04	1.06E-01	1.92E+00	2.22E-01	2.28E+01	2.18E+01	3.62E+01

6074	476456.32	3849353.67	2.59924	15.56849	4.24427	2.18797	4.402	1.66612	15.6526	15.56849	2.67E+01	7.01E+00	1.08E-04	1.13E-01	2.03E+00	2.30E-01	2.70E+01	2.58E+01	3.73E+01
6075	476305.43	3849318.83	2.52268	14.8774	3.81836	2.44392	5.02153	1.82688	15.0255	14.8774	2.59E+01	6.70E+00	9.69E-05	1.27E-01	2.31E+00	2.53E-01	2.59E+01	2.47E+01	3.65E+01
6076	476129.36	3849289.99	2.44868	15.52051	3.09348	2.75667	5.77949	1.90093	15.6573	15.52051	2.51E+01	6.98E+00	7.85E-05	1.43E-01	2.66E+00	2.63E-01	2.70E+01	2.57E+01	3.65E+01
6077	476039.31	3849275.68	2.42706	15.33891	2.70208	2.88144	6.12518	1.88339	15.4639	15.33891	2.49E+01	6.90E+00	6.85E-05	1.49E-01	2.82E+00	2.60E-01	2.67E+01	2.54E+01	3.63E+01
6078	475949.26	3849261.38	2.4261	16.33468	2.25839	3.09286	6.53129	1.94166	16.4513	16.33468	2.49E+01	7.35E+00	5.73E-05	1.60E-01	3.01E+00	2.68E-01	2.84E+01	2.71E+01	3.70E+01
6079	475859.21	3849247.08	2.61668	16.94962	1.89206	3.1959	6.84487	2.02824	17.0518	16.94962	2.68E+01	7.63E+00	4.80E-05	1.65E-01	3.15E+00	2.80E-01	2.94E+01	2.81E+01	3.94E+01
6080	475769.16	3849232.77	2.90772	17.89562	1.52921	3.29719	7.13776	2.11087	17.9819	17.89562	2.98E+01	8.05E+00	3.88E-05	1.71E-01	3.29E+00	2.92E-01	3.10E+01	2.97E+01	4.30E+01
6081	475585.22	3849219.27	2.50713	16.80936	0.58438	3.77698	7.87834	2.30438	16.9155	16.80936	2.57E+01	7.56E+00	1.48E-05	1.96E-01	3.63E+00	3.19E-01	2.92E+01	2.79E+01	3.88E+01
6082	475444.49	3849150.34	4.03152	19.41855	0.62245	3.57697	7.89754	2.32688	19.498	19.41855	4.13E+01	8.74E+00	1.58E-05	1.85E-01	3.64E+00	3.22E-01	3.37E+01	3.22E+01	5.57E+01
6083	475334.17	3849118.71	3.7869	19.42803	0.85411	3.49767	7.87908	2.30289	19.5361	19.42803	3.88E+01	8.74E+00	2.17E-05	1.81E-01	3.63E+00	3.18E-01	3.37E+01	3.22E+01	5.32E+01
6084	475230.46	3849060.57	3.46929	21.52585	0.9018	3.46601	7.82324	2.28822	21.6544	21.52585	3.56E+01	9.69E+00	2.29E-05	1.79E-01	3.61E+00	3.16E-01	3.74E+01	3.57E+01	5.11E+01
6085	475110.86	3848960.97	3.60024	19.86788	0.8119	3.44156	7.71575	2.26774	20.0982	19.86788	3.69E+01	8.94E+00	2.06E-05	1.78E-01	3.56E+00	3.14E-01	3.47E+01	3.29E+01	5.17E+01
6086	475037.79	3848896.28	4.23195	17.76377	0.71976	3.46512	7.66048	2.25673	17.9476	17.76377	4.34E+01	7.99E+00	1.83E-05	1.79E-01	3.53E+00	3.12E-01	3.10E+01	2.94E+01	5.70E+01
6087	474964.72	3848831.59	4.61326	17.15268	0.63959	3.48581	7.579	2.23214	17.3127	17.15268	4.73E+01	7.72E+00	1.62E-05	1.80E-01	3.49E+00	3.09E-01	2.99E+01	2.84E+01	6.05E+01
6088	474891.65	3848766.9	4.677	16.70501	0.59193	3.4605	7.46319	2.20053	16.9498	16.70501	4.80E+01	7.52E+00	1.50E-05	1.79E-01	3.44E+00	3.04E-01	2.93E+01	2.77E+01	6.10E+01
6089	474818.58	3848702.22	4.64687	16.79336	0.55743	3.41985	7.33367	2.16552	18.1164	16.79336	4.76E+01	7.56E+00	1.41E-05	1.77E-01	3.38E+00	2.99E-01	3.13E+01	2.78E+01	6.25E+01
6090	474745.51	3848637.53	4.32862	16.21222	0.57918	3.2605	7.13522	2.1026	17.6126	16.21222	4.44E+01	7.30E+00	1.47E-05	1.69E-01	3.29E+00	2.91E-01	3.04E+01	2.69E+01	5.90E+01
6091	474672.44	3848572.84	4.19371	16.62672	0.5627	3.19129	6.98482	2.0428	17.9821	16.62672	4.30E+01	7.48E+00	1.43E-05	1.65E-01	3.22E+00	2.82E-01	3.10E+01	2.75E+01	5.76E+01
6092	474599.37	3848508.15	4.17696	17.89849	0.54148	3.1713	6.86944	2.02716	19.2679	17.89849	4.28E+01	8.06E+00	1.37E-05	1.64E-01	3.17E+00	2.80E-01	3.33E+01	2.97E+01	5.81E+01
6093	474526.3	3848443.46	4.09959	18.69865	0.55171	3.12554	6.73075	1.98783	20.0502	18.69865	4.20E+01	8.42E+00	1.40E-05	1.62E-01	3.10E+00	2.75E-01	3.46E+01	3.10E+01	5.76E+01

			CO								Rates (g/s):	1.03E+01	4.50E-01	2.54E-05	5.18E-02	4.61E-01	1.38E-01	1.73E+00	1.66E+00	
			8 hr									Unmitigated								
			Concentration [ug/m^3] at 1 g/s									Concentration [ug/m^3]								
	X	Y	Equipment	Rail Hauling	Rail Idling	Off-Site	Solar	33kV	S Main	Remove Ex Main		Equipment	Rail Hauling	Rail Idling	Off-Site	Solar	33kV	S Main	Remove Ex M	Total
1	485973.61	3854936.51	1.29012	0.38498	0.78066	0.9958	2.5622	0.56091	0.69022	0.38498		13.2378021	0.173258579	1.98E-05	5.16E-02	1.18E+00	7.76E-02	1.191672	0.6378884	15.27561
2	486023.61	3854936.51	1.28485	0.40265	0.74298	0.97002	2.24771	0.53528	0.64806	0.40265		13.1837271	0.181210886	1.885E-05	0.050248	1.036532	0.074053	1.118882	0.66716651	14.97751
3	486073.61	3854936.51	1.26679	0.42094	0.72036	0.94677	1.95605	0.51685	0.61029	0.42094		12.9984151	0.189442221	1.827E-05	0.049044	0.902033	0.071504	1.053672	0.69747192	14.56666
4	486123.61	3854936.51	1.24827	0.43567	0.66764	0.88985	1.59452	0.47603	0.55634	0.43567		12.8083831	0.196071394	1.694E-05	0.046095	0.735313	0.065856	0.960527	0.72187864	14.09038
5	486173.61	3854936.51	1.23631	0.45439	0.66427	0.87404	1.94594	0.47	0.52664	0.45439		12.6856626	0.204496248	1.685E-05	0.045276	0.897371	0.065022	0.909249	0.75289654	14.0542
6	486223.61	3854936.51	1.21538	0.47155	0.63509	0.83038	2.11379	0.44386	0.48288	0.47155		12.4709018	0.212219032	1.611E-05	0.043015	0.974775	0.061406	0.833697	0.78132961	13.8147
7	486273.61	3854936.51	1.19523	0.48659	0.62595	0.79401	2.25967	0.42505	0.49531	0.48659		12.2641446	0.218987719	1.588E-05	0.041131	1.042048	0.058804	0.855158	0.80624997	13.67404
8	486323.61	3854936.51	1.17584	0.49987	0.66592	0.75982	2.35069	0.40951	0.50824	0.49987		12.0651856	0.224964325	1.689E-05	0.03936	1.084022	0.056654	0.877482	0.82825412	13.51943
9	485973.61	3854986.51	1.31177	0.40931	0.9008	1.00091	2.88549	0.60509	0.76139	0.40931		13.4599507	0.18420819	2.285E-05	0.051849	1.330645	0.083711	1.314548	0.67820172	15.74673
10	486023.61	3854986.51	1.30692	0.38692	0.83847	0.98592	2.59287	0.58483	0.72691	0.38692		13.4101853	0.174131668	2.127E-05	0.051072	1.195703	0.080908	1.255017	0.64110286	15.52594
11	486073.61	3854986.51	1.29921	0.38834	0.72366	0.95664	2.26533	0.55673	0.68693	0.38834		13.3310737	0.174770732	1.836E-05	0.049555	1.044658	0.077021	1.185992	0.64345571	15.21963
12	486123.61	3854986.51	1.28916	0.40588	0.59787	0.92099	1.93719	0.52909	0.64519	0.40588		13.2279516	0.182664533	1.517E-05	0.047709	0.893336	0.073197	1.113927	0.67251842	14.86628
13	486173.61	3854986.51	1.26241	0.42436	0.5604	0.8968	1.91719	0.51389	0.61	0.42436		12.9534723	0.190981377	1.422E-05	0.046455	0.884113	0.071094	1.053171	0.70313866	14.49616
14	486223.61	3854986.51	1.24207	0.44009	0.65707	0.85383	2.12595	0.4857	0.56589	0.44009		12.7447655	0.198060595	1.667E-05	0.04423	0.980383	0.067194	0.977015	0.72920231	14.28246
15	486273.61	3854986.51	1.21813	0.45683	0.75869	0.80525	2.2354	0.45528	0.51946	0.45683		12.4991193	0.20559436	1.925E-05	0.041713	1.030856	0.062986	0.896853	0.75693947	13.9802
16	486323.61	3854986.51	1.20487	0.47367	0.83535	0.79397	2.50778	0.45532	0.49384	0.47367		12.3630597	0.213173129	2.119E-05	0.041129	1.156464	0.062991	0.85262	0.78484232	13.90462
17	485973.61	3855036.51	1.34844	0.43649	1.05852	0.97419	3.31512	0.62554	0.80024	0.43649		13.8362182	0.196440431	2.685E-05	0.050464	1.528769	0.08654	1.381622	0.72323733	16.35684
18	486023.61	3855036.51	1.32894	0.41806	0.91702	0.9586	2.92879	0.60399	0.77138	0.41806		13.6361305	0.188146089	2.326E-05	0.049657	1.350613	0.083559	1.331795	0.69269994	15.94722
19	486073.61	3855036.51	1.321	0.39403	0.75419	0.92558	2.57978	0.5716	0.73553	0.39403		13.5546589	0.177331492	1.913E-05	0.047946	1.189666	0.079078	1.2699	0.65288369	15.66572
20	486123.61	3855036.51	1.31092	0.37822	0.63616	0.89504	2.25409	0.54635	0.70062	0.37822		13.451229	0.17021627	1.614E-05	0.046364	1.039474	0.075585	1.209628	0.62668749	15.36582
21	486173.61	3855036.51	1.29966	0.3925	0.77468	0.87579	1.96101	0.53299	0.6699	0.3925		13.3356911	0.176642922	1.965E-05	0.045367	0.90432	0.073737	1.156589	0.65034858	15.04202
22	486223.61	3855036.51	1.2663	0.40877	0.86287	0.82776	2.05998	0.50023	0.62636	0.40877		12.9933873	0.183965165	2.189E-05	0.042879	0.949961	0.069204	1.081417	0.67730698	14.64353
23	486273.61	3855036.51	1.24951	0.42727	0.91146	0.80964	2.37967	0.49115	0.5953	0.42727		12.8211066	0.19229101	2.312E-05	0.04194	1.097386	0.067948	1.027791	0.70796035	14.54053
24	486323.61	3855036.51	1.228	0.44315	0.89485	0.77087	2.5191	0.4689	0.5555	0.44315		12.6003945	0.199437735	2.27E-05	0.039932	1.161684	0.06487	0.959076	0.73427254	14.29114
25	485973.61	3855086.51	1.40253	0.45399	1.04884	1.06241	3.72393	0.61802	0.79799	0.45399		14.3912307	0.20431623	2.661E-05	0.055034	1.717292	0.0855	1.377738	0.75223376	17.0789
26	486023.61	3855086.51	1.38137	0.44243	0.89484	0.98429	3.37848	0.6041	0.77944	0.44243		14.1741099	0.199113702	2.27E-05	0.050988	1.557987	0.083574	1.345711	0.73307954	16.67843
27	486073.61	3855086.51	1.35946	0.4231	0.7686	0.89879	2.9302	0.57166	0.75163	0.4231		13.9492934	0.19041432	1.95E-05	0.046559	1.351263	0.079086	1.297697	0.70105091	16.21328
28	486123.61	3855086.51	1.3384	0.40502	0.89887	0.87849	2.62608	0.55413	0.72746	0.40502		13.7331987	0.182277494	2.28E-05	0.045507	1.211018	0.076661	1.255967	0.67109345	15.83356
29	486173.61	3855086.51	1.32126	0.38056	0.96626	0.83486	2.27089	0.52419	0.69467	0.38056		13.5573267	0.171269377	2.451E-05	0.043247	1.047222	0.072519	1.199355	0.63056473	15.4604
30	486223.61	3855086.51	1.30755	0.37863	0.97648	0.80606	2.04799	0.5062	0.66499	0.37863		13.4166497	0.170400789	2.477E-05	0.041755	0.944431	0.07003	1.148112	0.62736683	15.16404
31	485973.61	3855136.51	1.44568	0.46521	0.90169	1.20286	4.16338	0.68033	0.77108	0.46521		14.8339889	0.209365742	2.287E-05	0.06231	1.919944	0.09412	1.331277	0.77082462	17.6802
32	486023.61	3855136.51	1.42824	0.45731	0.92109	1.13535	3.81129	0.63417	0.75715	0.45731		14.6550386	0.205810382	2.337E-05	0.058813	1.757578	0.087734	1.307227	0.7577348	17.31449
33	486073.61	3855136.51	1.40984	0.4454	1.02912	1.05663	3.40495	0.5883	0.74082	0.4454		14.4662379	0.200450338	2.611E-05	0.054735	1.570194	0.081388	1.279033	0.73800065	16.91406
34	486123.61	3855136.51	1.388	0.43083	1.06771	0.9751	2.99581	0.54769	0.72114	0.43083		14.2421397	0.193893173	2.709E-05	0.050512	1.381519	0.07577	1.245056	0.71385905	16.47506
35	486173.61	3855136.51	1.36646	0.41198	1.03052	0.89613	2.63359	0.51835	0.69692	0.41198		14.0211198	0.185409812	2.614E-05	0.046421	1.214481	0.071711	1.203239	0.68262575	16.05978
36	486223.61	3855136.51	1.3456	0.39094	0.93474	0.83925	2.29279	0.49573	0.67149	0.39094		13.8070772	0.175940851	2.371E-05	0.043474	1.057321	0.068582	1.159334	0.64776375	15.66399
37	485973.61	3855186.51	1.48249	0.46779	1.08424	1.33908	4.56158	0.74417	0.74659	0.46779		15.2116929	0.21052686	2.75E-05	0.069366	2.103574	0.102952	1.288995	0.77509952	18.21204
38	486023.61	3855186.51	1.46625	0.46567	1.1642	1.25199	4.27244	0.72091	0.73309	0.46567		15.0450557	0.209572763	2.953E-05	0.064855	1.970237	0.099734	1.265687	0.77158681	17.88358
39	486073.61	3855186.51	1.45148	0.45769	1.14992	1.17789	3.85726	0.67167	0.7165	0.45769		14.8935021	0.205981399	2.917E-05	0.061016	1.778777	0.092922	1.237045	0.75836443	17.51091
40	486123.61	3855186.51	1.43446	0.44634	1.05914	1.12304	3.40847	0.62044	0.69802	0.44634		14.7188615	0.200873381	2.687E-05	0.058175	1.571817	0.085835	1.205139	0.73955818	17.10117
41	486173.61	3855186.51	1.41281	0.43347	0.91942	1.04299	2.98686	0.57698	0.68013	0.43347		14.4967128	0.195081293	2.332E-05	0.054028	1.377392	0.079822	1.174251	0.71823337	16.65908
42	486223.61	3855186.51	1.39133	0.41723	0.8156	0.96751	2.63021	0.53459	0.65969	0.41723		14.2763085	0.187772552	2.069E-05	0.050118	1.212922	0.073958	1.138961	0.69132468	16.24874
43	486273.61	3855186.51	1.37041	0.39719	0.87851	0.89356	2.27256	0.49085	0.63524	0.39719		14.0616504	0.178753637	2.229E-05	0.046288	1.047992	0.067907	1.096748	0.65811962	15.84124
44	486323.61	3855186.51	1.3521	0.38222	0.94008	0.85193	2.69652	0.47209	0.62517	0.38222		13.8737731	0.172016453	2.385E-05	0.044131	1.243501	0.065311	1.079362	0.63331524	15.8448
45	485973.61	3855236.51	1.51522	0.46172	1.28228	1.44844	4.87436	0.80729	0.73657	0.46172		15.5475324	0.207795083	3.253E-05	0.075031	2.247813	0.111685	1.271696	0.7650419	18.69654
46	486023.61	3855236.51	1.50423	0.46293	1.21077	1.36134	4.62572	0.759	0.71782	0.46293		15.434765	0.208339638	3.071E-05	0.070519	2.133152	0.105004	1.239324	0.76704679	18.42409
47	486073.61	3855236.51	1.4914	0.46007	1.06305	1.27255	4.25447	0.74616	0.69623	0.46007		15.3031176	0.207052508	2.697E-05	0.06592	1.96195	0.103228	1.202048	0.76230795	18.08104
48	486123.61	3855236.51	1.47395	0.45545	0.88515	1.20132	3.86162	0.70037	0.67938	0.45545		15.1240647	0.204973297	2.245E-05	0.06223	1.780787	0.096893	1.172956	0.75465289	17.68727
49	486173.61	3855236.51	1.45534	0.44779	0.94002	1.16669	3.44147	0.65606	0.66452	0.44779		14.9331092	0.201525947	2.385E-05	0.060436	1.587035	0.090763	1.147301	0.74196074	17.27823
50	486223.61	3855236.51	1.43539	0.43604	0.9818	1.10047	2.99272	0.60982	0.64582	0.43604		14.7284041	0.196237911	2.491E-05	0.057006	1.380094	0.084366	1.115015	0.7224917	16.83866
51	486273.61	3855236.51	1.41336	0.41736	0.97482	1.02165	2.56548	0.55369	0.616	0.41736		14.5023563	0.187831058	2.473E-05	0.052923	1.183072	0.0766	1.06353	0.69154008	16.3748
52	486323.61	3855236.51	1.39437	0.41047	0.98737	0.9771	2.60885	0.54009	0.62035	0.41047		14.3075017	0.184730243	2.505E-05	0.050615	1.203072	0.074719	1.071041	0.68012377	16.21158
53	485973.61	3855286.51	1.54564	0.44901	1.24238	1.49949	5.08247	0.87051	0.78813	0.44901		15.8596692	0.202075003	3.152E-05	0.077676	2.343783	0.120431	1.360714	0.7439822	19.2204

54	486023.61	3855286.51	1.53839	0.45381	1.03828	1.42658	4.93315	0.81353	0.74555	0.45381	15.7852776	0.204235222	2.634E-05	0.073899	2.274924	0.112548	1.2872	0.75193551	18.98617
55	486073.61	3855286.51	1.52577	0.45668	1.02459	1.35157	4.66745	0.7687	0.69897	0.45668	15.655785	0.205526853	2.599E-05	0.070013	2.152396	0.106346	1.206779	0.75669093	18.64018
56	486123.61	3855286.51	1.51195	0.45582	1.07202	1.27276	4.28332	0.76112	0.69674	0.45582	15.5139792	0.205139814	2.719E-05	0.065931	1.975255	0.105297	1.202929	0.75526596	18.31329
57	486173.61	3855286.51	1.49522	0.45211	1.07919	1.20685	3.85469	0.71896	0.6617	0.45211	15.3423142	0.203470144	2.738E-05	0.062517	1.777592	0.099465	1.142432	0.74911871	17.8787
58	486223.61	3855286.51	1.47583	0.44682	1.05326	1.17521	3.43857	0.67907	0.63558	0.44682	15.1433552	0.201089403	2.672E-05	0.060878	1.585698	0.093946	1.097335	0.74035351	17.44197
59	486123.61	3855336.51	1.54861	0.44897	1.1637	1.31401	4.67413	0.77289	0.73985	0.44897	15.8901441	0.202057001	2.952E-05	0.068068	2.155477	0.106926	1.277359	0.74391593	18.95614
60	486173.61	3855336.51	1.53102	0.45119	1.09192	1.25083	4.31792	0.75838	0.69101	0.45119	15.7096547	0.203056102	2.77E-05	0.064795	1.99121	0.104918	1.193036	0.74759433	18.5191
61	486223.61	3855336.51	1.51357	0.44972	0.98839	1.18786	3.88863	0.72769	0.65377	0.44972	15.5306019	0.202394535	2.507E-05	0.061533	1.793243	0.100672	1.128741	0.74515863	18.07205
62	486123.61	3855386.51	1.58275	0.43662	1.09133	1.33551	5.02625	0.80446	0.82453	0.43662	16.2404515	0.196498937	2.768E-05	0.069181	2.317857	0.111293	1.423559	0.72345273	19.63542
63	486173.61	3855386.51	1.5663	0.44269	0.95275	1.27483	4.73769	0.76763	0.78635	0.44269	16.0716595	0.199230714	2.417E-05	0.066038	2.184787	0.106198	1.357641	0.73351035	19.25207
64	486223.61	3855386.51	1.54831	0.44656	0.93496	1.21064	4.36993	0.74386	0.7432	0.44656	15.8870658	0.200972391	2.372E-05	0.062713	2.015195	0.102909	1.283142	0.7399227	18.8121
65	486533.18	3855443.15	1.47421	0.42589	0.84171	0.97552	3.71447	0.58655	0.59213	0.42589	15.1267326	0.191669947	2.135E-05	0.050533	1.712929	0.081146	1.022318	0.70567377	17.47968
66	486583.18	3855443.15	1.45746	0.41269	0.77228	0.94878	3.90552	0.55685	0.55015	0.41269	14.9548624	0.185729344	1.959E-05	0.049148	1.801032	0.077037	0.94984	0.68380218	17.33387
67	486633.18	3855443.15	1.43842	0.39649	0.8506	0.91724	3.96979	0.5284	0.52503	0.39649	14.7594947	0.178438605	2.158E-05	0.047514	1.83067	0.073102	0.90647	0.65695976	17.13875
68	486683.18	3855443.15	1.4195	0.3792	0.92792	0.88929	3.99269	0.5045	0.50666	0.3792	14.5653583	0.170657315	2.354E-05	0.046066	1.84123	0.069795	0.874754	0.62831129	16.93957
69	486533.18	3855493.15	1.50875	0.43541	1.08259	0.96517	3.67117	0.60171	0.67872	0.43541	15.4811443	0.195954382	2.746E-05	0.049997	1.692961	0.083244	1.171817	0.72144783	17.9537
70	486583.18	3855493.15	1.49167	0.42752	1.13796	0.93155	3.96916	0.57395	0.63665	0.42752	15.305888	0.192403521	2.887E-05	0.048256	1.83038	0.079403	1.099183	0.70837458	17.84717
71	486633.18	3855493.15	1.47476	0.41616	1.16596	0.90799	4.12388	0.54759	0.593	0.41616	15.1323761	0.187291003	2.958E-05	0.047035	1.901729	0.075756	1.023821	0.68955176	17.67849
72	486683.18	3855493.15	1.45653	0.4019	1.17141	0.88305	4.14731	0.524	0.5501	0.4019	14.9453197	0.180873352	2.972E-05	0.045743	1.912533	0.072493	0.949753	0.6659238	17.44082
73	486533.18	3855543.15	1.54129	0.43858	1.36922	0.9752	3.62595	0.61533	0.76235	0.43858	15.8150342	0.197381026	3.473E-05	0.050517	1.672108	0.085128	1.316205	0.72670033	18.40971
74	486583.18	3855543.15	1.52695	0.43375	1.31666	0.92687	3.90358	0.5804	0.71994	0.43375	15.6678928	0.195207306	3.34E-05	0.048013	1.800137	0.080296	1.242984	0.71869731	18.31587
75	486633.18	3855543.15	1.5095	0.42749	1.26628	0.89158	4.16374	0.55438	0.67917	0.42749	15.48884	0.19239002	3.212E-05	0.046185	1.92011	0.076696	1.172594	0.70832487	18.18852
76	486683.18	3855543.15	1.49356	0.41619	1.17416	0.87182	4.16267	0.53837	0.63123	0.41619	15.3252811	0.187304504	2.979E-05	0.045161	1.919617	0.074481	1.089825	0.68960146	17.9521
77	486533.18	3855593.15	1.57475	0.43412	1.3534	0.98324	3.66008	0.63583	0.81485	0.43412	16.1583642	0.195373823	3.433E-05	0.050933	1.687847	0.087964	1.406847	0.71931038	18.86805
78	486583.18	3855593.15	1.55994	0.43439	1.2282	0.93489	3.8676	0.59504	0.79194	0.43439	16.0064002	0.195495335	3.116E-05	0.048429	1.783545	0.082321	1.367292	0.71975775	18.76376
79	486633.18	3855593.15	1.54373	0.43201	1.10271	0.90405	4.16539	0.57792	0.75753	0.43201	15.8400709	0.194424226	2.797E-05	0.046831	1.920871	0.079952	1.307883	0.71581424	18.67425
80	486683.18	3855593.15	1.52579	0.42741	0.98564	0.87807	4.39068	0.56606	0.72013	0.42741	15.6559902	0.192354016	2.5E-05	0.045485	2.024764	0.078312	1.243312	0.70819232	18.53205
81	486533.18	3855643.15	1.60659	0.42445	1.06272	1.00149	4.19074	0.66651	0.82981	0.42445	16.4850715	0.191021881	2.696E-05	0.051879	1.932561	0.092208	1.432675	0.70328778	19.48216
82	486583.18	3855643.15	1.59165	0.42873	1.05189	0.94996	3.78757	0.62388	0.82155	0.42873	16.3317735	0.192948077	2.668E-05	0.049209	1.746639	0.086311	1.418414	0.71037948	19.11494
83	486633.18	3855643.15	1.5762	0.43055	1.07866	0.9166	4.16039	0.58235	0.81064	0.43055	16.1732425	0.19376716	2.736E-05	0.047481	1.918565	0.080565	1.399578	0.71339511	19.09983
84	486683.18	3855643.15	1.55931	0.42983	1.09829	0.89517	4.43706	0.58108	0.78675	0.42983	15.9999358	0.193443127	2.786E-05	0.046371	2.046152	0.08039	1.358332	0.71220211	19.01245
85	486533.18	3855693.15	1.63419	0.41168	1.41106	1.04049	4.77985	0.70432	0.82595	0.41168	16.7682726	0.185274798	3.58E-05	0.053899	2.20423	0.097439	1.426011	0.68212867	20.05303
86	486583.18	3855693.15	1.62442	0.41752	1.35333	0.97	4.18336	0.65063	0.82211	0.41752	16.6680235	0.187903065	3.433E-05	0.050247	1.929158	0.090011	1.419381	0.69180519	19.65295
87	486633.18	3855693.15	1.61323	0.42138	1.28134	0.91699	3.94568	0.59605	0.82804	0.42138	16.5532039	0.189640241	3.25E-05	0.047501	1.819552	0.082461	1.429619	0.69820098	19.42381
88	486683.18	3855693.15	1.59227	0.42598	1.26732	0.90408	4.4253	0.57805	0.8169	0.42598	16.3381353	0.191710451	3.215E-05	0.046833	2.040729	0.07997	1.410386	0.7058229	19.40197
89	486733.18	3855693.15	1.56827	0.42926	1.26783	0.8937	4.91743	0.56763	0.79834	0.42926	16.0918735	0.193186601	3.216E-05	0.046295	2.267675	0.078529	1.378342	0.71125766	19.34468
90	486783.18	3855693.15	1.54265	0.43026	1.27109	0.88345	5.34028	0.5565	0.77488	0.43026	15.8289891	0.193636647	3.224E-05	0.045764	2.462672	0.076989	1.337838	0.7129146	19.23301
91	486533.18	3855743.15	1.66374	0.39582	1.49205	1.08749	5.3346	0.7359	0.80823	0.39582	17.0714824	0.178137074	3.785E-05	0.056334	2.460053	0.101808	1.395417	0.65584962	20.60742
92	486583.18	3855743.15	1.65907	0.40254	1.33325	0.99556	4.68602	0.67053	0.80875	0.40254	17.0235639	0.181161381	3.382E-05	0.051571	2.16096	0.092765	1.396315	0.66698425	20.23939
93	486633.18	3855743.15	1.64511	0.40959	1.22234	0.93062	4.12308	0.62461	0.80922	0.40959	16.8803217	0.184334203	3.101E-05	0.048207	1.90136	0.086412	1.397127	0.67866567	19.81913
94	486683.18	3855743.15	1.62107	0.41777	1.17125	0.91027	4.45831	0.60414	0.8068	0.41777	16.6336494	0.188015576	2.971E-05	0.047153	2.055951	0.08358	1.392948	0.69221943	19.70911
95	486733.18	3855743.15	1.6007	0.42306	1.09441	0.89812	4.90556	0.57733	0.80321	0.42306	16.4246348	0.190396318	2.776E-05	0.046524	2.262201	0.079871	1.38675	0.70098463	19.68942
96	486783.18	3855743.15	1.5715	0.42838	1.13816	0.89506	5.52147	0.57286	0.7928	0.42838	16.1250163	0.192790561	2.887E-05	0.046365	2.546228	0.079252	1.368777	0.70979955	19.64866
97	486533.18	3855793.15	1.69125	0.37915	1.37641	1.14883	5.88566	0.76706	0.78461	0.37915	17.3537599	0.170634813	3.492E-05	0.059511	2.714174	0.106119	1.354637	0.62822844	21.13064
98	486583.18	3855793.15	1.69584	0.38548	1.20126	1.02559	5.16042	0.68327	0.78609	0.38548	17.4008575	0.173483602	3.047E-05	0.053127	2.37973	0.094527	1.357192	0.63871687	20.82023
99	486633.18	3855793.15	1.67101	0.39631	1.1816	0.98753	4.75181	0.6606	0.7905	0.39631	17.1460792	0.178357596	2.997E-05	0.051155	2.191299	0.091391	1.364806	0.65666152	20.36646
100	486683.18	3855793.15	1.64601	0.40635	1.16147	0.95264	4.47556	0.63916	0.79292	0.40635	16.8895565	0.182876055	2.946E-05	0.049348	2.063906	0.088425	1.368984	0.67329718	19.96983
101	486733.18	3855793.15	1.6241	0.41441	1.12231	0.91236	5.0682	0.61358	0.79358	0.41441	16.66474	0.186503423	2.847E-05	0.047262	2.337202	0.084886	1.370124	0.68665211	20.00409
102	486783.18	3855793.15	1.60063	0.42097	1.11707	0.89921	5.59184	0.59386	0.79152	0.42097	16.4239165	0.189455722	2.834E-05	0.04658	2.578679	0.082158	1.366567	0.69752163	19.98986
103	486533.18	3855843.15	1.72635	0.36211	1.33075	1.19554	6.30164	0.78005	0.7613	0.36211	17.7139178	0.162966035	3.376E-05	0.061931	2.906004	0.107916	1.314392	0.5999942	21.66717
104	486583.18	3855843.15	1.7237	0.3699	1.21094	1.08492	5.73623	0.71207	0.76156	0.3699	17.6867264	0.16647189	3.072E-05	0.0562	2.645265	0.098511	1.314841	0.61290176	21.35514
105	486633.18	3855843.15	1.69759	0.38109	1.2054	1.04455	5.36696	0.69043	0.76652	0.38109	17.4188141	0.171507901	3.058E-05	0.054109	2.474976	0.095518	1.323405	0.6314429	20.90692
106	486683.18	3855843.15	1.6722	0.39178	1.1962	1.00494	4.94286	0.66777	0.7711	0.39178	17.1582896	0.176318889	3.035E-05	0.052057	2.279402	0.092383	1.331312	0.64915558	20.44064
107	486733.18	3855843.15	1.64767	0.40172	1.1812	0.96482	5.08939	0.64462	0.77481	0.40172	16.9065896	0.180792343	2.996E-05	0.049979	2.346974	0.08918	1.337717	0.66562556	20.24564
108	486783.18	3855843.15	1.6249	0.41016	1.15489	0.92358	5.69562	0.62082	0.77722	0.41016	16.6729487	0.184590729	2.93E-05	0.047843	2.626537	0.085887	1.341878	0.67961012	20.2801
109	486533.18	3855893.15	1.77283	0.34573	1.23118	1.21467	6.51437	0.76801	0.74095	0.34573	18.1908448	0.155594287	3.123E-05	0.062922	3.004104	0.10625	1.279258	0.57285354	22.22615
110	486583.18	3855893.15	1.74665	0.35548	1.18344	1.15918	6.32181	0.74515	0.74109	0.35548	17.9222142	0.159982232	3.002E-05	0.060047	2.915305	0.103088	1.279499	0.58900869	21.85116

111	486633.18	3855893.15	1.72286	0.36563	1.13761	1.10589	5.982	0.7179	0.7436	0.36563	17.6781072	0.164550195	2.886E-05	0.057287	2.758601	0.099318	1.283833	0.60582663	21.4359
112	486683.18	3855893.15	1.69711	0.37629	1.09699	1.06215	5.58273	0.69429	0.74761	0.37629	17.4138889	0.169347682	2.783E-05	0.055021	2.574478	0.096052	1.290756	0.6234896	20.97608
113	486733.18	3855893.15	1.67224	0.38671	1.08744	1.01814	5.12619	0.66949	0.75224	0.38671	17.1587001	0.174037158	2.759E-05	0.052741	2.363944	0.092621	1.29875	0.6407549	20.50007
114	486783.18	3855893.15	1.64567	0.39635	1.10198	0.97941	5.7561	0.64956	0.75613	0.39635	16.8860678	0.178375598	2.795E-05	0.050735	2.654428	0.089863	1.305466	0.65672779	20.50824
115	486533.18	3855943.15	1.80353	0.33332	1.50913	1.2871	6.79576	0.78515	0.73513	0.33332	18.5058546	0.15000922	3.828E-05	0.066674	3.133867	0.108622	1.269209	0.55229092	22.68198
116	486583.18	3855943.15	1.76789	0.34232	1.45735	1.2494	6.84246	0.77849	0.73018	0.34232	18.1401559	0.154059631	3.697E-05	0.064721	3.155403	0.1077	1.260663	0.56720338	22.31554
117	486633.18	3855943.15	1.74661	0.35113	1.39535	1.17953	6.57243	0.74521	0.72627	0.35113	17.9218038	0.158024533	3.54E-05	0.061101	3.030878	0.103096	1.253913	0.58180101	21.94705
118	486683.18	3855943.15	1.71755	0.36105	1.34245	1.1376	6.26804	0.72616	0.72725	0.36105	17.6236218	0.162488986	3.406E-05	0.058929	2.890509	0.100461	1.255604	0.59823784	21.49341
119	486733.18	3855943.15	1.69517	0.37084	1.28698	1.08154	5.80016	0.69478	0.72958	0.37084	17.3939827	0.166894933	3.265E-05	0.056025	2.674746	0.096119	1.259627	0.61445928	21.03297
120	486783.18	3855943.15	1.66696	0.38101	1.23904	1.04053	5.70096	0.67461	0.73309	0.38101	17.1045225	0.171471898	3.143E-05	0.053901	2.629	0.093329	1.265687	0.63131035	20.68663
121	486533.18	3855993.15	1.82615	0.32463	1.7193	1.40435	7.01156	0.82283	0.7535	0.32463	18.7379564	0.146098323	4.361E-05	0.072747	3.233383	0.113835	1.300925	0.53789212	23.0671
122	486583.18	3855993.15	1.79579	0.33132	1.66181	1.33559	7.1784	0.80249	0.73439	0.33132	18.4264352	0.149109129	4.216E-05	0.069185	3.310322	0.111021	1.267932	0.54897705	22.78507
123	486633.18	3855993.15	1.7692	0.33884	1.60051	1.27008	7.10343	0.77665	0.72167	0.33884	18.1535977	0.152493472	4.06E-05	0.065792	3.275749	0.107446	1.245971	0.56143723	22.43965
124	486683.18	3855993.15	1.73982	0.34756	1.54179	1.22124	6.89806	0.756	0.71529	0.34756	17.8521322	0.15641787	3.911E-05	0.063262	3.181043	0.104589	1.234955	0.57588574	22.01655
125	486733.18	3855993.15	1.71574	0.35646	1.51359	1.16234	6.5054	0.72514	0.71233	0.35646	17.6050496	0.160423277	3.84E-05	0.060211	2.999968	0.10032	1.229845	0.59063249	21.56522
126	486783.18	3855993.15	1.6897	0.36595	1.51763	1.11075	6.04622	0.69818	0.7127	0.36595	17.3378555	0.16469421	3.85E-05	0.057538	2.788217	0.09659	1.230484	0.60635685	21.06906
127	486533.18	3856043.15	1.85214	0.31892	1.8053	1.53156	6.99195	0.86481	0.79542	0.31892	19.0046374	0.143528563	4.58E-05	0.079337	3.22434	0.119642	1.373301	0.528431	23.4164
128	486583.18	3856043.15	1.81739	0.3244	1.80099	1.4574	7.43419	0.8478	0.76292	0.3244	18.6480708	0.145994813	4.569E-05	0.075495	3.428279	0.117289	1.317189	0.53751103	23.19485
129	486633.18	3856043.15	1.79222	0.32989	1.76906	1.37071	7.52526	0.81472	0.7364	0.32989	18.3898038	0.148465563	4.488E-05	0.071005	3.470276	0.112713	1.271402	0.54660762	22.9171
130	486683.18	3856043.15	1.76056	0.33715	1.76821	1.32059	7.47838	0.79509	0.72001	0.33715	18.0649434	0.151732895	4.486E-05	0.068408	3.448658	0.109997	1.243105	0.558637	22.52825
131	486733.18	3856043.15	1.7376	0.34423	1.73791	1.24991	7.17028	0.75895	0.70777	0.34423	17.829353	0.154919218	4.409E-05	0.064747	3.306577	0.104997	1.221972	0.57036813	22.11224
132	486783.18	3856043.15	1.70715	0.35286	1.73975	1.20566	6.81154	0.73587	0.70013	0.35286	17.5169084	0.158803112	4.413E-05	0.062455	3.141144	0.101804	1.208782	0.58466751	21.60527
133	486533.18	3856093.15	1.87471	0.31733	1.75407	1.72443	6.75	0.93059	0.86618	0.31733	19.236226	0.14281299	4.45E-05	0.089328	3.112765	0.128743	1.495469	0.52579647	23.67959
134	486583.18	3856093.15	1.84289	0.32021	1.73217	1.60447	7.457	0.89863	0.81617	0.32021	18.909724	0.144109121	4.394E-05	0.083114	3.438798	0.124321	1.409126	0.53056845	23.57867
135	486633.18	3856093.15	1.8144	0.32406	1.70204	1.50143	7.81766	0.86595	0.77564	0.32406	18.6173907	0.145841797	4.318E-05	0.077776	3.605117	0.1198	1.33915	0.53694767	23.36817
136	486683.18	3856093.15	1.78348	0.32932	1.66863	1.42939	7.94044	0.8411	0.74502	0.32932	18.3001234	0.148209037	4.233E-05	0.074044	3.661737	0.116362	1.286285	0.54566317	23.04114
137	486733.18	3856093.15	1.75767	0.33507	1.62643	1.35429	7.7994	0.80626	0.72108	0.33507	18.0352894	0.1507968	4.126E-05	0.070154	3.596696	0.111542	1.244952	0.55519057	22.65428
138	486783.18	3856093.15	1.72881	0.34232	1.61185	1.29588	7.52045	0.77708	0.7045	0.34232	17.7391596	0.154059631	4.089E-05	0.067128	3.468058	0.107505	1.216326	0.56720338	22.18507
139	486533.18	3856143.15	1.90496	0.31868	1.57269	2.0218	6.16432	1.00388	0.95182	0.31868	19.5466185	0.143420552	3.99E-05	0.104732	2.842678	0.138882	1.643327	0.52803334	23.89166
140	486583.18	3856143.15	1.87408	0.31944	1.5758	1.77293	7.1861	0.95409	0.88537	0.31944	19.2297617	0.143762586	3.997E-05	0.09184	3.313873	0.131994	1.5286	0.52929261	23.91058
141	486633.18	3856143.15	1.83926	0.32243	1.57616	1.647	7.90128	0.92598	0.83393	0.32243	18.8724769	0.145108223	3.998E-05	0.085317	3.643678	0.128105	1.439789	0.53424686	23.78027
142	486683.18	3856143.15	1.80883	0.32584	1.56715	1.54914	8.25179	0.89299	0.78975	0.32584	18.5602374	0.146642879	3.976E-05	0.080248	3.805316	0.123541	1.363511	0.53989702	23.53964
143	486733.18	3856143.15	1.78005	0.33015	1.55068	1.46426	8.3188	0.8586	0.75366	0.33015	18.2649285	0.148582575	3.934E-05	0.075851	3.836218	0.118783	1.301202	0.54703843	23.19857
144	486783.18	3856143.15	1.74574	0.33632	1.53236	1.40638	8.23609	0.83606	0.72649	0.33632	17.9128768	0.151359357	3.887E-05	0.072852	3.798076	0.115665	1.254292	0.55726174	22.7479
145	486533.18	3856193.15	1.93631	0.32317	1.31019	2.4167	5.30181	1.16177	1.05749	0.32317	19.8682979	0.145441257	3.324E-05	0.125188	2.444932	0.160725	1.825767	0.53547299	24.03491
146	486583.18	3856193.15	1.90502	0.32194	1.33529	2.11933	6.62856	1.04295	0.97792	0.32194	19.5472341	0.1448877	3.387E-05	0.109784	3.056763	0.144287	1.688389	0.53343496	24.15794
147	486633.18	3856193.15	1.86804	0.32363	1.36049	1.88018	7.7071	0.99099	0.91408	0.32363	19.1677858	0.145648278	3.451E-05	0.097396	3.554132	0.137099	1.578168	0.53623519	24.14403
148	486683.18	3856193.15	1.83	0.32685	1.38152	1.70425	8.43613	0.96552	0.86376	0.32685	18.7774609	0.147097425	3.505E-05	0.088283	3.890324	0.133575	1.49129	0.54157053	23.9865
149	486733.18	3856193.15	1.80205	0.32904	1.38955	1.59167	8.72835	0.92193	0.81352	0.32904	18.4906685	0.148083025	3.525E-05	0.082451	4.025082	0.127545	1.404551	0.54519923	23.73322
150	486783.18	3856193.15	1.76667	0.33401	1.39649	1.51614	8.83262	0.89461	0.7735	0.33401	18.1276376	0.150319752	3.543E-05	0.078538	4.073166	0.123765	1.335456	0.55343421	23.33548
151	486533.18	3856243.15	1.97702	0.3281	1.11578	2.8876	5.20892	1.32945	1.16462	0.3281	20.2860195	0.147659982	2.83E-05	0.149582	2.402095	0.183923	2.010728	0.5436417	24.63639
152	486583.18	3856243.15	1.93601	0.32765	1.09302	2.51635	5.77235	1.20758	1.08326	0.32765	19.8652197	0.147457461	2.773E-05	0.13035	2.661921	0.167063	1.870259	0.54289608	24.2994
153	486633.18	3856243.15	1.89834	0.32783	1.10012	2.21698	7.19879	1.09789	1.00961	0.32783	19.4786913	0.147538469	2.791E-05	0.114843	3.319725	0.151888	1.743102	0.54319433	24.41262
154	486683.18	3856243.15	1.86115	0.32925	1.13844	1.96538	8.28593	1.0264	0.94631	0.32925	19.0970881	0.148177534	2.888E-05	0.101809	3.82106	0.141997	1.633814	0.54554718	24.39843
155	486733.18	3856243.15	1.82447	0.33181	1.17276	1.77978	8.97535	0.99185	0.88958	0.33181	18.720718	0.149329651	2.975E-05	0.092195	4.138986	0.137218	1.535869	0.54978895	24.22456
156	486783.18	3856243.15	1.79324	0.33411	1.1985	1.65888	9.26285	0.95903	0.83589	0.33411	18.4002699	0.150364756	3.04E-05	0.085932	4.271567	0.132677	1.443173	0.55359991	23.93041
157	486533.18	3856293.15	2.02314	0.33379	1.18177	3.59589	6.53172	1.50464	1.27694	0.33379	20.7592526	0.150220742	2.998E-05	0.186272	3.012105	0.20816	2.20465	0.55306969	25.96762
158	486583.18	3856293.15	1.97728	0.33299	1.12195	3.06927	5.86024	1.36552	1.19025	0.33299	20.2886873	0.149860705	2.846E-05	0.158992	2.702452	0.188913	2.054979	0.55174413	24.99217
159	486633.18	3856293.15	1.93412	0.33314	1.1205	2.65729	6.31547	1.24915	1.11202	0.33314	19.8458266	0.149928212	2.842E-05	0.137651	2.912381	0.172814	1.919914	0.55199268	24.58655
160	486683.18	3856293.15	1.89418	0.33381	1.13188	2.32453	7.80923	1.14558	1.0406	0.33381	19.4360059	0.150229742	2.871E-05	0.120414	3.601229	0.158485	1.796606	0.55310282	24.7099
161	486733.18	3856293.15	1.85307	0.33608	1.1592	2.05119	8.92977	1.08178	0.9781	0.33608	19.01418	0.151251346	2.941E-05	0.106255	4.117967	0.149659	1.6887	0.55686408	24.67118
162	486783.18	3856293.15	1.82002	0.33717	1.16272	1.83889	9.54568	1.02729	0.91511	0.33717	18.675057	0.151741896	2.95E-05	0.095257	4.401994	0.142121	1.579947	0.55867014	24.48748
163	486783.18	3856343.15	1.84715	0.34318	1.19938	2.1582	9.6145	1.12799	1.01033	0.34318	18.9534354	0.15444667	3.043E-05	0.111798	4.43373	0.156052	1.744345	0.56862834	24.98521
164	486833.18	3856343.15	1.8116	0.34456	1.15722	1.89295	10.212	1.06636	0.94383	0.34456	18.5886602	0.155067733	2.936E-05	0.098057	4.709244	0.147526	1.629532	0.57091492	24.7572
165	486883.18	3856343.15	1.77738	0.34617	1.11608	1.71859	10.4365	1.00764	0.88057	0.34617	18.2375319	0.155792307	2.831E-05	0.089025	4.8128	0.139402	1.520313	0.57358259	24.38131
166	486783.18	3856393.15	1.88658	0.34752	1.29777	2.51688	9.23904	1.2198	1.09723	0.34752	19.358023	0.156399868	3.292E-05	0.130378	4.260587	0.168753	1.894379	0.57581946	25.39273
167	486833.18	3856393.15	1.84692	0.34875	1.27428	2.21343	10.3022	1.14308	1.03037	0.34875	18.9510754	0.156953425	3.233E-05	0.114659	4.750872	0.15814	1.778944	0.57785749	25.33282

168	486883.18	3856393.15	1.81307	0.34893	1.24462	1.95564	10.8205	1.0785	0.96375	0.34893
169	487208.74	3856886.11	1.99299	0.38198	1.44397	3.25572	25.2368	1.67186	1.19724	0.38198
170	487258.74	3856886.11	1.9341	0.38116	1.86208	2.8769	24.0142	1.51661	1.13875	0.38116
171	487308.74	3856886.11	1.87799	0.38094	1.37663	2.57375	25.4111	1.37809	1.08187	0.38094
172	487358.74	3856886.11	1.82583	0.38058	1.13954	2.32517	26.0922	1.30853	1.03064	0.38058
173	487208.74	3856936.11	2.0621	0.38594	1.61986	3.7999	29.6188	1.83343	1.24642	0.38594
174	487258.74	3856936.11	1.99664	0.38434	1.97355	3.2749	27.4298	1.66628	1.18389	0.38434
175	487308.74	3856936.11	1.93463	0.38358	1.46713	2.88988	25.0342	1.50358	1.12614	0.38358
176	487358.74	3856936.11	1.87684	0.38292	1.1551	2.58946	24.6617	1.3765	1.0734	0.38292
177	487208.74	3856986.11	2.13831	0.39139	1.896	4.70104	31.7957	2.02271	1.3066	0.39139
178	487258.74	3856986.11	2.0648	0.38951	2.11147	3.81532	29.6836	1.84351	1.23421	0.38951
179	487308.74	3856986.11	1.99762	0.38713	1.55795	3.28811	27.8741	1.6563	1.17363	0.38713
180	487358.74	3856986.11	1.9329	0.38623	1.05609	2.8978	25.7132	1.50641	1.11599	0.38623
181	487208.74	3857036.11	2.22279	0.39841	2.2092	6.65665	32.9349	2.24438	1.38191	0.39841
182	487258.74	3857036.11	2.14142	0.39508	2.21726	4.77091	30.9109	2.0369	1.29741	0.39508
183	487308.74	3857036.11	2.06555	0.39266	1.67418	3.84109	28.833	1.83763	1.22443	0.39266
184	487358.74	3857036.11	1.99475	0.39041	1.14168	3.28767	26.8242	1.66357	1.16214	0.39041
185	487427.14	3856878.23	1.74815	0.3817	1.07031	1.99919	25.9716	1.23297	0.95498	0.3817
186	487477.14	3856878.23	1.7003	0.38265	1.02632	1.82031	25.4175	1.17274	0.90916	0.38265
187	487527.14	3856878.23	1.65498	0.38351	0.97957	1.66104	25.7883	1.15936	0.86618	0.38351
188	487427.14	3856928.23	1.7937	0.38317	1.14292	2.21612	25.0951	1.30848	0.99826	0.38317
189	487477.14	3856928.23	1.7438	0.38321	1.11802	2.02203	24.8984	1.24724	0.95274	0.38321
190	487527.14	3856928.23	1.69483	0.38415	1.0872	1.84405	24.2448	1.21411	0.90854	0.38415
191	487577.14	3856928.23	1.64806	0.3851	1.15183	1.68327	24.7465	1.20969	0.86677	0.3851
192	487627.14	3856928.23	1.60459	0.3856	1.03681	1.53964	26.614	1.2057	0.82817	0.3856
193	487677.14	3856928.23	1.56042	0.38891	0.97134	1.40476	28.0638	1.22514	0.79059	0.38891
194	487727.14	3856928.23	1.5175	0.39462	0.93107	1.29969	29.3379	1.3006	0.75558	0.39462
195	487777.14	3856928.23	1.47755	0.39831	0.96351	1.23629	30.6171	1.36554	0.72397	0.39831
196	487427.14	3856978.23	1.84413	0.38459	1.1048	2.46363	23.7152	1.34802	1.04025	0.38459
197	487477.14	3856978.23	1.789	0.38476	1.11322	2.23612	23.8016	1.32136	0.99268	0.38476
198	487527.14	3856978.23	1.73666	0.38511	1.11214	2.04173	23.6449	1.28254	0.94754	0.38511
199	487577.14	3856978.23	1.68721	0.38558	1.22195	1.86837	23.3313	1.26765	0.90517	0.38558
200	487627.14	3856978.23	1.6411	0.38583	1.08323	1.71362	24.0196	1.25933	0.86584	0.38583
201	487677.14	3856978.23	1.59474	0.38992	1.05976	1.5672	25.6301	1.27147	0.82698	0.38992
202	487727.14	3856978.23	1.55438	0.38954	1.02661	1.43968	27.484	1.31345	0.79303	0.38954
203	487777.14	3856978.23	1.50696	0.39938	0.99773	1.31043	28.2332	1.42331	0.75573	0.39938
204	487427.14	3857028.23	1.89696	0.38755	1.06108	2.73808	23.8197	1.449	1.0808	0.38755
205	487477.14	3857028.23	1.83749	0.38659	1.00891	2.47143	22.5079	1.37434	1.03182	0.38659
206	487527.14	3857028.23	1.78191	0.38593	1.21914	2.24868	22.6681	1.35492	0.98637	0.38593
207	487577.14	3857028.23	1.72864	0.38528	1.27395	2.06008	22.453	1.33619	0.9428	0.38528
208	487627.14	3857028.23	1.67974	0.38613	1.06451	1.89521	23.1807	1.31738	0.90299	0.38613
209	487677.14	3857028.23	1.63117	0.38939	1.06709	1.73841	24.153	1.31933	0.86345	0.38939
210	487727.14	3857028.23	1.58343	0.3948	1.06314	1.59185	25.7588	1.39803	0.82476	0.3948
211	487777.14	3857028.23	1.5387	0.39868	1.05126	1.45992	27.24	1.47515	0.78921	0.39868
212	487427.14	3857078.23	1.95482	0.40032	1.14331	3.07619	25.0008	1.59808	1.12549	0.40032
213	487477.14	3857078.23	1.89038	0.39892	1.11095	2.74755	23.0848	1.48435	1.0739	0.39892
214	487527.14	3857078.23	1.82942	0.39855	1.35212	2.48261	21.2967	1.40369	1.0255	0.39855
215	487577.14	3857078.23	1.77248	0.39728	1.29944	2.26145	21.3025	1.38774	0.98086	0.39728
216	487627.14	3857078.23	1.71921	0.39469	0.97805	2.07649	22.1918	1.39181	0.93931	0.39469
217	487677.14	3857078.23	1.66769	0.39371	0.98928	1.91001	23.4271	1.39555	0.89888	0.39371
218	487727.14	3857078.23	1.61814	0.39403	1.00979	1.75589	24.0946	1.45603	0.86019	0.39403
219	487777.14	3857078.23	1.57199	0.39644	1.02149	1.61723	25.4842	1.52259	0.8242	0.39644
220	487427.14	3857128.23	2.01719	0.41481	1.13339	3.54232	26.1383	1.7603	1.1765	0.41481
221	487477.14	3857128.23	1.94666	0.41239	1.15833	3.0892	24.4276	1.62241	1.12025	0.41239
222	487527.14	3857128.23	1.88098	0.41001	1.47287	2.75958	22.6341	1.50954	1.0693	0.41001
223	487577.14	3857128.23	1.81885	0.40935	1.28927	2.4952	20.695	1.45297	1.02168	0.40935
224	487627.14	3857128.23	1.76049	0.40868	1.06963	2.27479	20.3648	1.43887	0.97715	0.40868

18.6037437	0.157034433	3.157E-05	0.101305	4.989868	0.149205	1.663924	0.57815574	25.08696
20.4498862	0.171908442	3.663E-05	0.168651	11.63795	0.231294	2.067047	0.63291758	34.09386
19.8456213	0.171539405	4.724E-05	0.149027	11.07413	0.209816	1.966063	0.63155889	32.78469
19.2698818	0.171440395	3.492E-05	0.133324	11.71836	0.190652	1.86786	0.63119436	32.72035
18.7346729	0.171278378	2.891E-05	0.120447	12.03241	0.181029	1.77941	0.63059786	32.38868
21.1590175	0.173690623	4.109E-05	0.19684	13.6587	0.253646	2.151957	0.63947906	36.95441
20.4873385	0.17297055	5.006E-05	0.169644	12.64927	0.230522	2.043998	0.63682795	35.11697
19.8510596	0.172628515	3.722E-05	0.1497	11.54453	0.208013	1.944292	0.63556868	33.23469
19.2580818	0.172331485	2.93E-05	0.134138	11.37277	0.190432	1.853236	0.6344751	32.34654
21.9410013	0.176143372	4.81E-05	0.24352	14.66261	0.279832	2.255858	0.64850938	38.9105
21.186722	0.175297286	5.356E-05	0.197639	13.68858	0.255041	2.130876	0.64539433	36.98882
20.4973942	0.174226177	3.952E-05	0.170329	12.85417	0.229141	2.026284	0.64145081	35.31013
19.8333083	0.173821136	2.679E-05	0.15011	11.85766	0.208404	1.926768	0.63995957	33.51014
22.8078427	0.179302692	5.604E-05	0.344824	15.18794	0.310499	2.385882	0.66014109	40.55621
21.9729127	0.17780404	5.625E-05	0.24714	14.25459	0.281795	2.239992	0.65462348	38.51967
21.1944176	0.17671493	4.247E-05	0.198974	13.29634	0.254227	2.113991	0.65061369	36.5841
20.4679454	0.175702327	2.896E-05	0.170306	12.37	0.230147	2.006446	0.64688557	34.77369
17.9376056	0.171782429	2.715E-05	0.103561	11.97681	0.170575	1.648783	0.63245364	31.37669
17.4466212	0.172209973	2.604E-05	0.094295	11.7213	0.162243	1.569674	0.63402773	30.53234
16.9815968	0.172597012	2.485E-05	0.086044	11.89227	0.160392	1.495469	0.6354527	30.15294
18.4049899	0.172443996	2.899E-05	0.114798	11.57261	0.181022	1.723506	0.63488934	31.53451
17.8929706	0.172461998	2.836E-05	0.104744	11.48191	0.17255	1.644915	0.63495561	30.83462
17.390494	0.172885041	2.758E-05	0.095524	11.18051	0.167966	1.568604	0.63651314	29.9395
16.9105913	0.173312584	2.922E-05	0.087196	11.41187	0.167355	1.496487	0.63808723	29.60875
16.4645497	0.173537607	2.63E-05	0.079756	12.27303	0.166803	1.429844	0.6389157	29.94863
16.0113254	0.175027258	2.464E-05	0.072769	12.94162	0.169492	1.364962	0.64440017	30.09082
15.5709272	0.177597019	2.362E-05	0.067326	13.52919	0.179932	1.304517	0.65386129	30.17565
15.161004	0.179257688	2.444E-05	0.064042	14.11906	0.188916	1.249942	0.65997539	30.30227
18.9224475	0.173083061	2.803E-05	0.127619	10.93629	0.186492	1.796002	0.63724219	31.50472
18.3567637	0.173159569	2.824E-05	0.115834	10.97611	0.182804	1.713872	0.63752387	30.88104
17.8197078	0.173317085	2.821E-05	0.105764	10.90385	0.177433	1.635937	0.6381038	30.17794
17.3123059	0.173528606	3.1E-05	0.096784	10.75922	0.175373	1.562785	0.63888256	29.44115
16.8391754	0.173641118	2.748E-05	0.088768	11.07663	0.174222	1.494882	0.63929679	29.20805
16.3634797	0.175481805	2.688E-05	0.081183	11.81931	0.175902	1.427789	0.64607367	29.3971
15.9493495	0.175310787	2.604E-05	0.074577	12.67423	0.181709	1.369174	0.64544404	29.77894
15.4627773	0.179739237	2.531E-05	0.067882	13.01975	0.196908	1.304776	0.66174832	29.57011
19.4645312	0.174415196	2.692E-05	0.141836	10.98447	0.200462	1.866012	0.64214673	32.18961
18.8543151	0.173983153	2.559E-05	0.128024	10.37951	0.190133	1.781448	0.64055607	30.86688
18.2840138	0.173686122	3.093E-05	0.116485	10.45341	0.187447	1.702978	0.63946249	30.27859
17.7374153	0.173393593	3.232E-05	0.106715	10.35423	0.184855	1.627754	0.63838548	29.54601
17.2356569	0.173776132	2.7E-05	0.098175	10.68977	0.182253	1.559021	0.63979388	29.29888
16.7372846	0.17524328	2.707E-05	0.090052	11.13817	0.182523	1.490755	0.6451955	29.16886
16.2474289	0.177678027	2.697E-05	0.08246	11.87867	0.193411	1.423957	0.65415954	29.34947
15.7884585	0.179424205	2.667E-05	0.075626	12.56172	0.20408	1.362579	0.66058846	29.51133
20.0582273	0.180162279	2.9E-05	0.159351	11.52913	0.221087	1.94317	0.66330584	33.42785
19.3970145	0.179532216	2.818E-05	0.142327	10.64555	0.205353	1.854099	0.66098613	31.76292
18.7715095	0.179365699	3.43E-05	0.128603	9.820981	0.194194	1.770536	0.66037306	30.20485
18.1872535	0.178794141	3.296E-05	0.117146	9.823674	0.191987	1.693465	0.65826875	29.53408
17.6406549	0.177628522	2.481E-05	0.107565	10.23377	0.19255	1.621728	0.65397727	29.31994
17.112013	0.177187478	2.51E-05	0.098941	10.8034	0.193068	1.551925	0.65235347	29.28421
16.603585	0.177331492	2.562E-05	0.090958	11.11123	0.201435	1.485127	0.65288369	29.01681
16.1300441	0.178416102	2.591E-05	0.083775	11.75205	0.210643	1.42299	0.65687692	29.12107
20.6982002	0.186683441	2.875E-05	0.183497	12.05367	0.243529	2.031239	0.68731489	34.70954
19.9744983	0.185594331	2.938E-05	0.160025	11.26481	0.224452	1.934123	0.6833051	33.06023
19.3005619	0.184523222	3.736E-05	0.14295	10.43774	0.208837	1.846157	0.67936158	31.44145
18.6630517	0.184226192	3.271E-05	0.129255	9.543484	0.201011	1.763941	0.678268	29.80673
18.0642252	0.183924661	2.713E-05	0.117837	9.39123	0.199061	1.687059	0.67715785	28.96621

225	487677.14	3857128.23	1.70641	0.40571	1.03387	2.08713	22.1323	1.44161	0.93634	0.40571
226	487727.14	3857128.23	1.65297	0.407	0.9964	1.91763	23.1698	1.46934	0.89574	0.407
227	487777.14	3857128.23	1.60419	0.40435	0.95321	1.77312	23.8693	1.58262	0.85889	0.40435
228	488049.44	3856539.39	1.14325	0.40487	1.06115	0.95358	14.8931	0.62596	0.5485	0.40487
229	488099.44	3856539.39	1.1331	0.39869	1.07954	0.99595	13.1294	0.61315	0.54143	0.39869
230	488149.44	3856539.39	1.1206	0.39213	1.03098	1.04361	11.7178	0.60602	0.53276	0.39213
231	488049.44	3856589.39	1.15429	0.41049	1.04127	0.98086	14.8781	0.64588	0.54618	0.41049
232	488099.44	3856589.39	1.14264	0.40572	1.10099	1.02719	12.9323	0.63433	0.53962	0.40572
233	488149.44	3856589.39	1.13016	0.40015	1.09109	1.07345	11.9656	0.62551	0.53213	0.40015
234	488199.44	3856589.39	1.11873	0.39341	1.00922	1.10871	11.3422	0.61577	0.52476	0.39341
235	488249.44	3856589.39	1.10155	0.38715	0.87702	1.1743	10.5948	0.62289	0.51402	0.38715
236	488049.44	3856639.39	1.16699	0.41465	0.99653	1.00513	14.4017	0.66557	0.546	0.41465
237	488099.44	3856639.39	1.15421	0.41111	1.09488	1.05309	12.8428	0.65416	0.53931	0.41111
238	488149.44	3856639.39	1.14111	0.40669	1.12732	1.10013	12.0417	0.64495	0.53239	0.40669
239	488199.44	3856639.39	1.12613	0.402	1.08665	1.15306	11.4399	0.64252	0.5246	0.402
240	488249.44	3856639.39	1.11186	0.39602	0.97699	1.19988	11.5219	0.64446	0.51623	0.39602
241	488299.44	3856639.39	1.0974	0.38919	0.81848	1.25	11.3889	0.66236	0.50727	0.38919
242	488349.44	3856639.39	1.0843	0.38132	0.77602	1.29625	11.1409	0.70301	0.49825	0.38132
243	488399.44	3856639.39	1.06799	0.37282	0.76324	1.3709	10.7117	0.7849	0.48608	0.37282
244	488099.44	3856689.39	1.16573	0.41554	1.06333	1.08372	12.6911	0.67751	0.53889	0.41554
245	488149.44	3856689.39	1.15202	0.41202	1.13797	1.13152	12.5925	0.66789	0.53175	0.41202
246	488199.44	3856689.39	1.13655	0.40811	1.13987	1.1856	12.4259	0.66645	0.52357	0.40811
247	488249.44	3856689.39	1.12301	0.40278	1.06465	1.22488	12.1527	0.66988	0.51638	0.40278
248	488299.44	3856689.39	1.1063	0.39716	0.92796	1.28669	11.6268	0.70544	0.50663	0.39716
249	488349.44	3856689.39	1.09246	0.39021	0.87557	1.33433	11.1477	0.76478	0.49834	0.39021
250	488399.44	3856689.39	1.08105	0.38248	0.8461	1.37044	10.7248	0.83422	0.49132	0.38248
251	488099.44	3856739.39	1.17776	0.41885	1.03776	1.11711	13.4197	0.7043	0.54026	0.41885
252	488149.44	3856739.39	1.16415	0.41579	1.12072	1.16121	13.2427	0.69197	0.53282	0.41579
253	488199.44	3856739.39	1.14683	0.41329	1.16747	1.2245	12.626	0.69639	0.52316	0.41329
254	488249.44	3856739.39	1.13256	0.40873	1.13491	1.26588	12.0765	0.70862	0.51584	0.40873
255	488299.44	3856739.39	1.12051	0.40321	1.02637	1.29079	11.5878	0.74193	0.50984	0.40321
256	488349.44	3856739.39	1.10191	0.39816	0.95462	1.36893	10.8721	0.8364	0.49897	0.39816
257	488399.44	3856739.39	1.08405	0.39287	0.97713	1.45027	10.2651	0.94357	0.48906	0.39287
258	487999.44	3856789.39	1.23804	0.41787	1.13224	1.02893	17.4475	0.84011	0.56894	0.41787
259	488049.44	3856789.39	1.21158	0.41894	1.10133	1.07659	15.7083	0.72953	0.55696	0.41894
260	488099.44	3856789.39	1.19281	0.42027	1.07058	1.1401	14.5669	0.72673	0.54533	0.42027
261	488149.44	3856789.39	1.17699	0.41866	1.07697	1.19183	14.0024	0.71853	0.53581	0.41866
262	488199.44	3856789.39	1.15987	0.41707	1.16687	1.25131	13.4875	0.7253	0.52625	0.41707
263	488249.44	3856789.39	1.14423	0.41386	1.18069	1.29819	13.0485	0.75243	0.51776	0.41386
264	488299.44	3856789.39	1.1303	0.40908	1.11312	1.3314	12.5362	0.80973	0.51024	0.40908
265	488349.44	3856789.39	1.11118	0.40634	0.9761	1.41094	12.1902	0.92335	0.50052	0.40634
266	488399.44	3856789.39	1.09406	0.40183	1.31622	1.48303	11.9985	1.01932	0.49152	0.40183
267	487949.44	3856839.39	1.29922	0.41438	1.19578	1.01915	22.4163	1.05069	0.59758	0.41438
268	487999.44	3856839.39	1.26223	0.41701	1.1823	1.05621	18.2648	0.89636	0.58152	0.41701
269	488049.44	3856839.39	1.22814	0.41865	1.16557	1.10208	17.0914	0.75418	0.56725	0.41865
270	488099.44	3856839.39	1.20924	0.42021	1.14657	1.16016	16.262	0.74802	0.5541	0.42021
271	488149.44	3856839.39	1.19069	0.42096	1.12525	1.22234	15.6315	0.74812	0.54214	0.42096
272	488199.44	3856839.39	1.1727	0.42051	1.13808	1.2841	15.0661	0.76582	0.53126	0.42051
273	487949.44	3856889.39	1.3259	0.41178	1.14629	1.04666	24.1146	1.10411	0.61704	0.41178
274	487999.44	3856889.39	1.28614	0.41681	1.15203	1.09094	19.7409	0.96046	0.5973	0.41681
275	488049.44	3856889.39	1.24955	0.41753	1.15196	1.12663	18.9156	0.77761	0.58129	0.41753
276	488099.44	3856889.39	1.22493	0.42082	1.14973	1.1883	18.0526	0.77829	0.56538	0.42082
277	488635.86	3857895.05	1.33577	0.56365	3.86942	2.85181	13.4092	1.75618	0.8039	0.56365
278	489137.64	3857804.15	1.18024	0.43917	3.00344	2.40912	9.29099	1.31446	0.5534	0.43917
279	488617.32	3857859.41	1.31077	0.55213	3.7767	2.76982	14.3971	1.75259	0.7924	0.55213
280	488667.32	3857859.41	1.29784	0.54143	3.70499	2.80604	14.2758	1.69524	0.76983	0.54143
281	488717.32	3857859.41	1.29121	0.52848	3.66782	2.85302	14.0596	1.64441	0.74784	0.52848

17.5093153	0.182588026	2.623E-05	0.108116	10.20631	0.19944	1.616601	0.67223674	29.15016
16.9609724	0.183168584	2.528E-05	0.099336	10.68475	0.203276	1.546504	0.67437419	29.00366
16.4604453	0.181975963	2.418E-05	0.09185	11.00731	0.218948	1.482882	0.66998331	28.77346
11.7307826	0.182209987	2.692E-05	0.049397	6.867935	0.086599	0.946991	0.67084491	19.1931
11.6266344	0.179428705	2.739E-05	0.051592	6.054609	0.084826	0.934784	0.66060503	18.2713
11.498373	0.176476405	2.615E-05	0.05406	5.403672	0.08384	0.919816	0.64973551	17.48653
11.844063	0.184739244	2.641E-05	0.05081	6.861032	0.089354	0.942985	0.68015691	19.29285
11.7245234	0.182592526	2.793E-05	0.05321	5.963716	0.087756	0.931659	0.67225331	18.27123
11.5964673	0.180085772	2.768E-05	0.055606	5.517922	0.086536	0.918728	0.66302416	17.69235
11.4791851	0.177052464	2.56E-05	0.057433	5.230455	0.085189	0.906003	0.65185639	17.28349
11.3029027	0.174235178	2.225E-05	0.06083	4.885773	0.086174	0.887461	0.64148395	16.75591
11.9743765	0.186611434	2.528E-05	0.052067	6.64134	0.092078	0.942675	0.68704978	19.20212
11.8432421	0.185018272	2.777E-05	0.054552	5.922457	0.0905	0.931124	0.68118421	18.34574
11.7088242	0.18302907	2.86E-05	0.056988	5.553044	0.089226	0.919177	0.67386054	17.83646
11.5551158	0.180918356	2.757E-05	0.05973	5.275491	0.088889	0.905727	0.6660895	17.39981
11.4086927	0.178227083	2.478E-05	0.062155	5.313305	0.089158	0.891276	0.656181	17.28666
11.26032	0.175153271	2.076E-05	0.064752	5.252014	0.091634	0.875807	0.64486411	17.07484
11.1259021	0.171611412	1.969E-05	0.067148	5.137612	0.097258	0.860234	0.631824	16.82796
10.9585467	0.167786024	1.936E-05	0.071015	4.939686	0.108587	0.839222	0.61774002	16.46712
11.9614478	0.187011974	2.697E-05	0.056138	5.852501	0.09373	0.930399	0.68852445	18.39273
11.8207707	0.185427814	2.887E-05	0.058614	5.807041	0.092399	0.918072	0.68269203	18.19966
11.6620345	0.183668135	2.892E-05	0.061416	5.730199	0.0922	0.903949	0.6762134	17.95728
11.5231018	0.181269392	2.701E-05	0.06345	5.604213	0.092675	0.891535	0.66738191	17.68889
11.3516421	0.178740135	2.354E-05	0.066652	5.361698	0.097594	0.874702	0.65806991	17.27298
11.2096311	0.175612318	2.221E-05	0.06912	5.140784	0.105804	0.860389	0.64655419	16.91481
11.0925541	0.172133465	2.146E-05	0.070991	4.945745	0.11541	0.848269	0.63374605	16.61138
12.0848865	0.188501626	2.633E-05	0.057868	6.188476	0.097436	0.932764	0.69400892	18.85595
11.9452356	0.187124486	2.843E-05	0.060152	6.106885	0.095731	0.919919	0.68893869	18.62614
11.7675166	0.185999372	2.962E-05	0.063431	5.822503	0.096342	0.903241	0.68479634	18.15427
11.6210935	0.183947163	2.879E-05	0.065574	5.569082	0.098034	0.890603	0.6772407	17.75112
11.4974495	0.181462911	2.604E-05	0.066865	5.343704	0.102642	0.880244	0.66809439	17.4043
11.3065967	0.179190181	2.422E-05	0.070912	5.013654	0.115712	0.861477	0.65972685	16.88784
11.1233369	0.176809439	2.479E-05	0.075126	4.733736	0.130538	0.844367	0.65096165	16.43298
12.703414	0.188060581	2.872E-05	0.0533	8.045916	0.116225	0.982281	0.69238512	21.39684
12.4319104	0.18854213	2.794E-05	0.055769	7.243884	0.100927	0.961597	0.69415805	20.2885
12.2393132	0.18914069	2.716E-05	0.059059	6.717536	0.10054	0.941518	0.69636178	19.55077
12.0769856	0.188416117	2.732E-05	0.061738	6.457212	0.099405	0.925081	0.6936941	19.11517
11.9013189	0.187700544	2.96E-05	0.06482	6.219765	0.100342	0.908576	0.69105957	18.69149
11.7408383	0.186255898	2.995E-05	0.067248	6.017311	0.104095	0.893918	0.6857408	18.32396
11.5979038	0.184104679	2.824E-05	0.068968	5.781073	0.112022	0.880935	0.67782063	17.94721
11.4017153	0.182871554	2.476E-05	0.073089	5.621492	0.127741	0.864153	0.67328061	17.59781
11.2260485	0.180841848	3.339E-05	0.076823	5.533131	0.141018	0.848614	0.66580782	17.3407
13.3311763	0.186489921	3.033E-05	0.052793	10.33728	0.145358	1.031728	0.6866024	24.39826
12.9516254	0.187673542	2.999E-05	0.054713	8.422838	0.124007	1.004	0.69096015	22.05393
12.601831	0.188411616	2.957E-05	0.057089	7.881701	0.104337	0.979363	0.69367753	21.11908
12.4078999	0.189113688	2.909E-05	0.060098	7.499246	0.103485	0.956659	0.69626236	20.52027
12.21756	0.189451222	2.855E-05	0.063319	7.208458	0.103499	0.93601	0.69750506	20.02082
12.0329663	0.189248701	2.887E-05	0.066518	6.947751	0.105947	0.917226	0.69675944	19.56293
13.6049374	0.185319803	2.908E-05	0.054218	11.12047	0.152748	1.065326	0.68229436	25.50076
13.1969637	0.187583532	2.922E-05	0.056512	9.103537	0.132875	1.031245	0.69062877	23.01812
12.8215171	0.187907565	2.922E-05	0.058361	8.722922	0.107579	1.003603	0.69182176	22.2101
12.5688935	0.189388216	2.917E-05	0.061556	8.324972	0.107673	0.976134	0.69727309	21.53137
13.7062125	0.253668237	9.816E-05	0.147728	6.183676	0.242959	1.387941	0.9339337	20.98835
12.1103336	0.197646553	7.619E-05	0.124796	4.284543	0.181849	0.955451	0.72767792	17.12702
13.4496898	0.248483711	9.581E-05	0.143481	6.639246	0.242462	1.368087	0.91484576	21.1767
13.3170163	0.243668223	9.399E-05	0.145357	6.5833	0.234528	1.329119	0.89711651	20.95597
13.2489865	0.237840132	9.304E-05	0.14779	6.483599	0.227496	1.291153	0.87565915	20.7613

282	488767.32	3857859.41	1.29328	0.50881	3.59785	2.93905	13.7053	1.60155	0.72485	0.50881	13.2702265	0.228987733	9.127E-05	0.152247	6.320209	0.221567	1.251461	0.84306716	20.60172
283	488617.32	3857909.41	1.35463	0.58005	3.85038	2.86903	12.9016	1.78657	0.82137	0.58005	13.8997332	0.261048986	9.768E-05	0.14862	5.949577	0.247163	1.418104	0.9611075	20.96324
284	488667.32	3857909.41	1.34023	0.55839	3.67746	2.91299	13.0069	1.72706	0.79701	0.55839	13.7519762	0.251300997	9.329E-05	0.150897	5.998118	0.23893	1.376046	0.9252182	20.84214
285	488717.32	3857909.41	1.33604	0.55329	3.51845	2.93806	13.0843	1.67283	0.77468	0.55329	13.708983	0.249005764	8.926E-05	0.152196	6.033843	0.231428	1.337493	0.91676781	20.79627
286	488767.32	3857909.41	1.34172	0.53843	3.34548	3.0108	12.9683	1.62472	0.75201	0.53843	13.7672649	0.242318086	8.487E-05	0.155964	5.980313	0.224772	1.298353	0.89214569	20.77692
287	488417.32	3857959.41	1.50803	0.67828	3.98891	3.13043	17.0817	2.14165	0.9804	0.67828	15.4737565	0.305256972	0.0001012	0.162161	7.877218	0.296287	1.692671	1.12386862	24.68358
288	488467.32	3857959.41	1.47574	0.66658	3.72402	3.02905	14.0139	2.04186	0.94285	0.66658	15.1424317	0.299991437	9.447E-05	0.156909	6.462515	0.282481	1.62784	1.10448243	22.86778
289	488517.32	3857959.41	1.44822	0.64401	3.47455	2.99254	11.0041	1.952	0.91042	0.64401	14.8600516	0.289833907	8.814E-05	0.155018	5.074545	0.27005	1.571849	1.06708532	21.15435
290	488567.32	3857959.41	1.42409	0.62277	3.29939	2.98605	10.3885	1.87047	0.88067	0.62277	14.6124559	0.280274937	8.37E-05	0.154682	4.790674	0.25877	1.520486	1.03189193	20.58553
291	488617.32	3857959.41	1.40298	0.60877	3.20669	2.98854	11.0158	1.80033	0.85337	0.60877	14.3958481	0.273974298	8.135E-05	0.154811	5.079936	0.249067	1.473352	1.00869479	20.61837
292	488667.32	3857959.41	1.38859	0.597	3.11149	3.00383	11.4622	1.73739	0.82752	0.597	14.2481937	0.26867726	7.893E-05	0.155603	5.285807	0.240359	1.428722	0.98919261	20.63825
293	488717.32	3857959.41	1.38872	0.58534	3.01324	3.04092	11.7329	1.67879	0.80429	0.58534	14.2495276	0.263429728	7.644E-05	0.157524	5.410608	0.232252	1.388615	0.9698727	20.73216
294	488767.32	3857959.41	1.39759	0.5743	3.00327	3.09357	11.8848	1.62508	0.78074	0.5743	14.3405418	0.258461224	7.619E-05	0.160251	5.480661	0.224822	1.347956	0.9515801	20.86119
295	488417.32	3858009.41	1.62093	0.7186	4.51783	3.45934	17.9541	2.30941	1.02925	0.7186	16.6322129	0.323402813	0.0001146	0.179199	8.279517	0.319496	1.777011	1.1906764	26.32028
296	488467.32	3858009.41	1.53907	0.7019	4.42765	3.27399	15.1759	2.20084	0.98696	0.7019	15.792255	0.31588705	0.0001123	0.169597	6.998349	0.304475	1.703996	1.16300552	24.12167
297	488517.32	3858009.41	1.50804	0.67817	4.33606	3.18837	12.3238	2.09673	0.95125	0.67817	15.4738591	0.305207467	0.00011	0.165162	5.68312	0.290072	1.642343	1.12368636	22.43619
298	488567.32	3858009.41	1.48021	0.66513	4.24421	3.15114	9.59027	1.99765	0.91972	0.66513	15.188298	0.299338871	0.0001077	0.163233	4.422556	0.276365	1.587906	1.10207987	20.83573
299	488617.32	3858009.41	1.45619	0.65001	4.14881	3.12525	8.92334	1.90071	0.88926	0.65001	14.941831	0.292534181	0.0001052	0.161892	4.115001	0.262954	1.535316	1.07702695	20.23261
300	488667.32	3858009.41	1.44401	0.63627	4.05303	3.12083	9.62186	1.80817	0.86066	0.63627	14.8168531	0.286350553	0.0001028	0.161663	4.437124	0.250151	1.485938	1.05426061	20.38392
301	488717.32	3858009.41	1.45169	0.62418	3.95903	3.14063	10.1478	1.72411	0.83541	0.62418	14.8956569	0.280909501	0.0001004	0.162689	4.679648	0.238522	1.442344	1.03422822	20.66564
302	488767.32	3858009.41	1.45989	0.61124	3.86592	3.18224	10.5252	1.65267	0.81122	0.61124	14.9797964	0.275085911	9.807E-05	0.164844	4.853681	0.228639	1.40058	1.01278743	20.88994
303	488417.32	3858059.41	1.75456	0.75876	4.79964	3.95707	18.5547	2.52812	1.0854	0.75876	18.003378	0.341476647	0.0001218	0.204982	8.556511	0.349753	1.873954	1.25721907	28.07296
304	488467.32	3858059.41	1.64238	0.73608	4.62412	3.61561	16.1115	2.36223	1.03945	0.73608	16.8523094	0.331269611	0.0001173	0.187294	7.429806	0.326803	1.794621	1.2196397	25.70258
305	488517.32	3858059.41	1.5734	0.7195	4.46335	3.44644	13.4894	2.23722	0.99783	0.7195	16.144512	0.323807854	0.0001132	0.17853	6.220642	0.309508	1.722764	1.19216765	23.70771
306	488567.32	3858059.41	1.54156	0.70845	4.31379	3.35542	10.8574	2.12352	0.96083	0.70845	15.8178047	0.318834849	0.0001094	0.173815	5.006908	0.293779	1.658883	1.17385847	22.09628
307	488617.32	3858059.41	1.51507	0.69445	4.17365	3.30358	8.6182	2.01863	0.92643	0.69445	15.5459932	0.31253421	0.0001059	0.17113	3.974286	0.279268	1.599491	1.15066132	20.73215
308	488667.32	3858059.41	1.50983	0.67768	4.03908	3.27138	7.69035	1.91719	0.89538	0.67768	15.4922261	0.304986944	0.0001025	0.169462	3.546408	0.265234	1.545883	1.12287446	20.20143
309	488417.32	3858109.41	1.92366	0.78943	3.35622	4.8811	18.9887	3.02527	1.15811	0.78943	19.7384975	0.355279547	8.514E-05	0.252848	8.756627	0.418531	1.999489	1.3080374	30.21332
310	488467.32	3858109.41	1.78374	0.7715	3.28003	4.08662	16.8766	2.61021	1.09291	0.7715	18.3027913	0.347210228	8.321E-05	0.211693	7.782659	0.36111	1.88692	1.27832848	27.61414
311	488517.32	3858109.41	1.66477	0.7615	3.20946	3.79752	14.4926	2.38296	1.04757	0.7615	17.0820511	0.342709772	8.142E-05	0.196717	6.683286	0.329671	1.80864	1.26175909	25.1814
312	488567.32	3858109.41	1.60907	0.74985	3.13764	3.62114	12.0202	2.25369	1.00317	0.74985	16.5105186	0.33746674	7.96E-05	0.18758	5.543106	0.311787	1.731983	1.24245575	23.38007
313	488617.32	3858109.41	1.5829	0.7348	3.07011	3.51855	9.59295	2.13398	0.96307	0.7348	16.2419906	0.330693553	7.788E-05	0.182266	4.423792	0.295226	1.66275	1.21751881	21.91928
314	488667.32	3858109.41	1.59163	0.71684	2.99198	3.44639	8.06805	2.02432	0.92872	0.71684	16.3315683	0.322610732	7.59E-05	0.178528	3.720584	0.280055	1.603444	1.18776019	21.24911
315	488769.93	3858449.27	2.12647	1.01697	1.89863	6.19684	10.1142	3.55256	1.20599	1.01697	21.8195121	0.457682937	4.816E-05	0.321005	4.664144	0.491479	2.082154	1.68505731	28.15097
316	488819.93	3858449.27	2.00242	0.96762	1.82109	5.42402	8.47935	3.11156	1.13008	0.96762	20.5466465	0.435473184	4.62E-05	0.280972	3.910255	0.430469	1.951095	1.60328736	25.95167
317	488819.93	3858499.27	2.05734	1.07136	1.8963	6.46865	9.26422	3.62529	1.2137	1.07136	21.1101756	0.482160921	4.811E-05	0.335085	4.272198	0.501541	2.095465	1.77517822	27.0215
318	488869.93	3858499.27	1.96123	1.02375	1.79855	5.66838	8.02948	3.16341	1.13669	1.02375	20.1239998	0.460734247	4.563E-05	0.29363	3.702798	0.437642	1.962507	1.69629135	25.28506
319	488869.93	3858549.27	2.02825	1.11478	1.84519	6.7579	8.49572	3.69663	1.22175	1.11478	20.8116858	0.501701903	4.681E-05	0.350069	3.917804	0.511411	2.109364	1.84712252	26.35496
320	489438.17	3859571.48	1.45897	1.46965	5.28639	2.37171	6.70137	1.39041	1.4777	1.46965	14.9703563	0.661409607	0.0001341	0.122858	3.090339	0.192356	2.551264	2.43512048	19.1536
321	489488.17	3859571.48	1.44389	1.55427	4.78421	2.33627	6.10486	1.29027	1.56212	1.55427	14.8156218	0.699492471	0.0001214	0.121022	2.815258	0.178503	2.697016	2.57533066	18.7517
322	489538.17	3859571.48	1.43241	1.64984	6.15559	2.30036	5.46527	1.27734	1.65777	1.64984	14.6978266	0.742503335	0.0001562	0.119162	2.520311	0.176714	2.862157	2.73368432	18.38515
323	489588.17	3859571.48	1.42451	1.75337	7.15784	2.26372	4.91568	1.34035	1.76095	1.75337	14.6167655	0.789096563	0.0001816	0.117264	2.266868	0.185431	3.040298	2.90522722	18.11068
324	489438.17	3859621.48	1.53261	1.34132	3.93013	2.2732	6.88223	1.5372	1.35441	1.34132	15.7259696	0.603655247	9.97E-05	0.117755	3.173743	0.212664	2.338403	2.22248549	19.9498
325	489488.17	3859621.48	1.48916	1.41124	4.69926	2.24642	6.34377	1.43158	1.42584	1.41124	15.2801331	0.63512244	0.0001192	0.116368	2.925432	0.198052	2.461727	2.33833867	19.27861
326	489538.17	3859621.48	1.45146	1.48996	5.82656	2.22467	5.75356	1.33431	1.50676	1.48996	14.8932969	0.670550035	0.0001478	0.115241	2.653256	0.184595	2.601436	2.46877291	18.64975
327	489588.17	3859621.48	1.41979	1.58026	7.5351	2.20579	5.14329	1.27941	1.59916	1.58026	14.568334	0.711189158	0.0001911	0.114263	2.37183	0.177	2.760966	2.6183945	18.08538
328	489238.17	3859671.48	1.82313	1.00775	3.69526	4.29733	7.71565	1.77861	1.04588	1.00775	18.7069684	0.453533516	9.374E-05	0.222608	3.558075	0.246062	1.805722	1.66978033	23.32328
329	489288.17	3859671.48	1.75448	1.04704	3.70376	2.68249	7.73377	1.7713	1.10087	1.04704	18.0025571	0.47121581	9.396E-05	0.138957	3.566431	0.245051	1.900663	1.73488146	22.59009
330	489338.17	3859671.48	1.68054	1.09123	3.05159	2.29995	7.62341	1.74639	1.15321	1.09123	17.2438656	0.491103328	7.741E-05	0.119141	3.515538	0.241605	1.991029	1.8081016	21.79426
331	489388.17	3859671.48	1.62109	1.14064	3.41248	2.18654	7.39765	1.72611	1.20171	1.14064	16.6338547	0.513340084	8.657E-05	0.113266	3.411429	0.238799	2.074764	1.88997096	21.09557
332	489438.17	3859671.48	1.57118	1.19085	3.47559	2.13162	7.01959	1.64121	1.231	1.19085	16.1217328	0.535936877	8.817E-05	0.110421	3.237086	0.227053	2.125334	1.97316587	20.38449
333	489488.17	3859671.48	1.52798	1.2485	4.73514	2.11963	6.57607	1.57285	1.26105	1.2485	15.6784616	0.561882009	0.0001201	0.1098	3.032557	0.217596	2.177216	2.06868841	19.70894
334	489538.17	3859671.48	1.48824	1.3096	5.94887	2.11337	6.04391	1.48577	1.32287	1.3096	15.2706931	0.589379799	0.0001509	0.109476	2.787151	0.205549	2.283948	2.16992738	19.07642
335	489588.17	3859671.48	1.45245	1.37633	5.05576	2.10561	5.46702	1.39983	1.39153	1.37633	14.9034552	0.619411346	0.0001283	0.109074	2.521118	0.19366	2.402491	2.28049492	18.46884
336	489238.17	3859721.48	1.84481	0.90083	2.90575	4.28804	7.46554	1.72641	0.97622	0.90083	18.9294249	0.405414634	7.371E-05	0.222126	3.442736	0.23884	1.685454	1.49262041	23.43145
337	489288.17	3859721.48	1.75761	0.93493	3.03488	2.69258	7.59956	1.70555	1.03622	0.93493	18.0346738	0.420761191	7.699E-05	0.139479	3.50454	0.235954	1.789044	1.54912203	22.57541
338	489338.17	3859721.48	1.67161	0.97035	2.80913	2.15138	7.57374	1.73038	1.08926	0.97035	17.1522357	0.436701808	7.126E-05	0.111444	3.492633	0.23939	1.880618	1.60781081	21.70528

339	489388.17	3859721.48	1.6042	1.00842	2.63245	1.99934	7.41061	1.72971	1.13544	1.00842
340	489438.17	3859721.48	1.54931	1.0491	3.82852	1.94216	7.11814	1.69067	1.17131	1.0491
341	489488.17	3859721.48	1.50679	1.09483	4.74548	1.93	6.75438	1.66732	1.20805	1.09483
342	489538.17	3859721.48	1.47065	1.14281	3.99438	1.93039	6.28947	1.61577	1.23309	1.14281
343	489588.17	3859721.48	1.43855	1.19458	4.22385	1.93126	5.75908	1.55623	1.25134	1.19458
344	489238.17	3859771.48	1.88709	0.8033	2.71885	4.29823	7.18747	1.69963	0.91642	0.8033
345	489288.17	3859771.48	1.81521	0.83095	2.27747	2.68401	7.39705	1.64323	0.97335	0.83095
346	489338.17	3859771.48	1.72967	0.8588	2.61747	2.08828	7.44145	1.60322	1.0238	0.8588
347	489388.17	3859771.48	1.6481	0.88982	3.18906	1.87719	7.37123	1.65003	1.07431	0.88982
348	489438.17	3859771.48	1.5738	0.92211	3.81189	1.73726	7.15796	1.65205	1.11514	0.92211
349	489488.17	3859771.48	1.51297	0.95924	3.66681	1.7035	6.88605	1.70051	1.16114	0.95924
350	489538.17	3859771.48	1.46296	0.99959	3.56211	1.70015	6.50121	1.72063	1.19528	0.99959
351	489588.17	3859771.48	1.42144	1.04046	4.81307	1.69904	6.01201	1.67955	1.21625	1.04046
352	489238.17	3859821.48	1.7804	0.71678	1.94918	4.28106	6.87044	1.58868	0.86332	0.71678
353	489288.17	3859821.48	1.77596	0.7399	2.67823	2.67284	7.15012	1.58843	0.91782	0.7399
354	489338.17	3859821.48	1.73816	0.76238	2.80605	2.03916	7.2773	1.53879	0.9689	0.76238
355	489388.17	3859821.48	1.68143	0.78717	3.18432	1.81782	7.28548	1.52157	1.02056	0.78717
356	489438.17	3859821.48	1.62015	0.81483	3.26466	1.68829	7.19511	1.60981	1.07364	0.81483
357	489488.17	3859821.48	1.56037	0.84521	3.47588	1.59777	6.98312	1.67905	1.11933	0.84521
358	489538.17	3859821.48	1.50651	0.87871	3.80246	1.53297	6.66768	1.77597	1.15517	0.87871
359	489588.17	3859821.48	1.45868	0.90982	4.63453	1.54618	6.23881	1.76944	1.17809	0.90982
360	489238.17	3859871.48	1.64404	0.66289	2.63521	4.27319	6.54294	1.45031	0.8208	0.66289
361	489288.17	3859871.48	1.65707	0.68208	2.69615	2.65798	6.86185	1.47936	0.86937	0.68208
362	489338.17	3859871.48	1.6601	0.70324	2.69849	2.03392	7.07008	1.47933	0.92062	0.70324
363	489388.17	3859871.48	1.64596	0.72845	3.06151	1.77744	7.17704	1.48446	0.97539	0.72845
364	489438.17	3859871.48	1.61729	0.75625	3.18426	1.63544	7.19065	1.50466	1.0302	0.75625
365	489488.17	3859871.48	1.57962	0.77777	3.67288	1.53581	7.09303	1.68676	1.0741	0.77777
366	489538.17	3859871.48	1.53397	0.80188	4.06904	1.49954	6.80489	1.7457	1.10655	0.80188
367	489588.17	3859871.48	1.49001	0.82488	4.05203	1.55441	6.44624	1.79192	1.12903	0.82488
368	489238.17	3859921.48	1.51913	0.64856	2.61812	4.25354	6.21296	1.32169	0.78701	0.64856
369	489288.17	3859921.48	1.53975	0.66797	2.34694	2.65307	6.60063	1.38514	0.83477	0.66797
370	489338.17	3859921.48	1.55541	0.6864	2.91617	2.03427	6.87269	1.4426	0.88238	0.6864
371	489388.17	3859921.48	1.565	0.7066	2.9344	1.72435	7.06394	1.45694	0.9334	0.7066
372	489438.17	3859921.48	1.56468	0.72041	3.67036	1.5482	7.17135	1.486	0.98025	0.72041
373	489488.17	3859921.48	1.55031	0.73521	3.76527	1.44264	7.10659	1.49355	1.01886	0.73521
374	489538.17	3859921.48	1.52571	0.75279	3.925	1.49285	6.90675	1.59784	1.05106	0.75279
375	489588.17	3859921.48	1.49728	0.76617	3.45599	1.559	6.63593	1.69434	1.07276	0.76617
376	489238.17	3859971.48	1.40711	0.63499	2.04713	4.21224	5.8778	1.23722	0.75681	0.63499
377	489288.17	3859971.48	1.43009	0.64951	2.70264	2.63893	6.28977	1.28865	0.79736	0.64951
378	489338.17	3859971.48	1.45152	0.66521	2.8887	2.02518	6.63404	1.34366	0.84152	0.66521
379	489388.17	3859971.48	1.47124	0.67638	3.33622	1.68271	6.91143	1.43373	0.88616	0.67638
380	489438.17	3859971.48	1.48721	0.68115	3.50547	1.47261	7.10652	1.48853	0.92533	0.68115
381	489488.17	3859971.48	1.49706	0.73723	3.55489	1.40052	7.20623	1.5056	1.00369	0.73723
382	489538.17	3859971.48	1.4953	0.72021	3.40468	1.46851	7.13214	1.46116	1.04638	0.72021
383	489588.17	3859971.48	1.48468	0.7141	3.34192	1.57998	6.92611	1.45513	1.08907	0.7141
384	483577.7	3854071	1.60544	0.60787	0.86195	2.30214	1.24107	1.5486	0.86162	0.60787
385	483627.7	3854071	1.55912	0.59168	0.45633	2.03457	1.24814	1.42134	0.81322	0.59168
386	483677.7	3854071	1.51764	0.61088	0.87935	1.8638	1.35824	1.34812	0.7675	0.61088
387	483727.7	3854071	1.47944	0.64576	1.43629	1.69688	1.46003	1.24269	0.73049	0.64576
388	483777.7	3854071	1.45093	0.66032	1.64992	1.53532	1.54947	1.13121	0.73783	0.66032
389	483577.7	3854121	1.66886	0.59825	0.89461	2.67539	1.45098	1.82569	1.05393	0.59825
390	483627.7	3854121	1.62078	0.57363	0.62726	2.32279	1.32032	1.63544	0.96203	0.57363
391	483677.7	3854121	1.58027	0.54293	1.24775	2.06646	1.24267	1.43346	0.8807	0.54293
392	483727.7	3854121	1.54573	0.56614	1.69201	1.82141	1.35605	1.2439	0.80452	0.56614
393	483777.7	3854121	1.50923	0.60243	1.61002	1.63902	1.57038	1.0863	0.74924	0.60243
394	483577.7	3854171	1.74876	0.66118	1.07007	3.34215	1.67099	2.04826	1.22634	0.66118
395	483627.7	3854171	1.70155	0.53054	0.95925	2.73466	1.53727	1.76833	1.10606	0.53054

16.4605479	0.453835047	6.678E-05	0.103569	3.417405	0.239297	1.960349	1.67089048	20.96418
15.8973267	0.472142904	9.712E-05	0.100607	3.282533	0.233896	2.022279	1.73829476	20.27059
15.4610329	0.492723492	0.0001204	0.099977	3.114785	0.230666	2.085711	1.81406658	19.67095
15.0902037	0.514316683	0.0001013	0.099997	2.900391	0.223534	2.128942	1.89356652	19.06392
14.7608286	0.537615547	0.0001071	0.100042	2.655802	0.215297	2.160451	1.97934625	18.4508
19.3632561	0.36152168	6.897E-05	0.222654	3.314504	0.235135	1.582208	1.33101914	23.74833
18.625702	0.373965443	5.777E-05	0.139035	3.411152	0.227333	1.680499	1.3768335	23.08091
17.747984	0.386499215	6.64E-05	0.108176	3.431627	0.221798	1.767601	1.42297926	22.24077
16.9110018	0.400459631	8.09E-05	0.097241	3.399245	0.228274	1.854807	1.47437751	21.41673
16.1486163	0.414991605	9.67E-05	0.089992	3.300896	0.228553	1.925301	1.52788007	20.58057
15.5244453	0.431701801	9.302E-05	0.088244	3.175504	0.235257	2.00472	1.58940222	19.87056
15.0112973	0.449861143	9.036E-05	0.08807	2.998035	0.238041	2.063663	1.65625971	19.1928
14.5852645	0.46825451	0.0001221	0.088013	2.772441	0.232358	2.099868	1.72397881	18.52234
18.2685198	0.32258373	4.945E-05	0.221765	3.168306	0.219786	1.490531	1.18766077	22.50388
18.2229614	0.332988785	6.794E-05	0.138457	3.29728	0.219752	1.584626	1.2259692	22.57016
17.8350991	0.343105812	7.118E-05	0.105631	3.35593	0.212884	1.672816	1.26321719	22.26232
17.2529978	0.354262444	8.078E-05	0.094166	3.359702	0.210502	1.762007	1.30429271	21.72942
16.6242094	0.366710707	8.282E-05	0.087456	3.318028	0.222709	1.85365	1.35012365	21.12272
16.0108124	0.380383094	8.818E-05	0.082767	3.220268	0.232288	1.932535	1.40046146	20.45868
15.4581599	0.395459624	9.646E-05	0.07941	3.074803	0.245697	1.994413	1.45596891	19.79207
14.9673807	0.409460544	0.0001176	0.080094	2.877029	0.244793	2.033984	1.50751629	19.10534
16.8693425	0.298330769	6.685E-05	0.221357	3.017279	0.200643	1.41712	1.09836833	20.92577
17.0030421	0.306967145	6.84E-05	0.137687	3.164345	0.204662	1.500976	1.13016499	21.18758
17.0341327	0.316490111	6.845E-05	0.10536	3.26037	0.204658	1.58946	1.16522582	21.34531
16.8890434	0.327835763	7.766E-05	0.092074	3.309695	0.205368	1.684021	1.20699725	21.30112
16.5948632	0.340347032	8.078E-05	0.084718	3.315971	0.208162	1.778651	1.25306016	21.06973
16.2083348	0.350032015	9.317E-05	0.079557	3.270953	0.233355	1.854445	1.28871749	20.70805
15.7399244	0.360882616	0.0001032	0.077678	3.138077	0.241509	1.91047	1.32866629	20.13998
15.2888549	0.371233666	0.0001028	0.080521	2.972686	0.247903	1.949282	1.36677588	19.54381
15.5876525	0.291881615	6.642E-05	0.220339	2.865109	0.182849	1.358781	1.07462439	19.43205
15.7992324	0.300617001	5.954E-05	0.137433	3.043883	0.191627	1.441239	1.10678558	19.80731
15.9599183	0.308911342	7.398E-05	0.105378	3.169343	0.199577	1.523438	1.13732296	20.12932
16.0583204	0.318002265	7.444E-05	0.089324	3.257538	0.201561	1.611525	1.17079313	20.36555
16.0550369	0.324217395	9.311E-05	0.080199	3.307071	0.205581	1.692412	1.19367546	20.47093
15.9075876	0.330878071	9.552E-05	0.074731	3.277207	0.206625	1.759072	1.21819816	20.338
15.6551693	0.338789874	9.957E-05	0.077332	3.18505	0.221053	1.814666	1.24732715	20.04483
15.3634517	0.344811485	8.767E-05	0.080758	3.060162	0.234404	1.852131	1.26949699	19.66631
14.4382257	0.285774495	5.193E-05	0.2182	2.71055	0.171163	1.30664	1.05213973	18.07847
14.6740213	0.292309158	6.856E-05	0.1367	2.90053	0.178278	1.37665	1.07619848	18.48236
14.8939126	0.299374875	7.328E-05	0.104907	3.05929	0.185889	1.452893	1.10221243	18.89413
15.0962577	0.304401885	8.463E-05	0.087167	3.187208	0.19835	1.529964	1.12072044	19.28271
15.2601244	0.306548603	8.893E-05	0.076283	3.277174	0.205931	1.597592	1.12862403	19.59512
15.3611943	0.331787163	9.018E-05	0.072549	3.323156	0.208292	1.732881	1.22154518	19.8084
15.3431351	0.324127386	8.637E-05	0.076071	3.288989	0.202144	1.806586	1.19334407	19.84779
15.2341643	0.321377607	8.478E-05	0.081845	3.193978	0.20131	1.88029	1.18322018	19.72983
16.4732715	0.273569257	2.187E-05	0.119254	0.57232	0.214241	1.487596	1.00720354	18.13307
15.9979862	0.266283017	1.158E-05	0.105394	0.57558	0.196635	1.404033	0.9803777	17.56554
15.5723638	0.274923894	2.231E-05	0.096547	0.626353	0.186506	1.325097	1.01219093	17.06962
15.1803971	0.290621487	3.644E-05	0.087901	0.673293	0.17192	1.261198	1.06998496	16.59538
14.8878586	0.297174152	4.185E-05	0.079532	0.714539	0.156497	1.273871	1.09410999	16.3154
17.1240182	0.269239817	2.269E-05	0.138589	0.66912	0.252575	1.819621	0.99126379	19.28192
16.6306738	0.258159693	1.591E-05	0.120324	0.608866	0.226255	1.660955	0.95046995	18.55478
16.2150044	0.244343291	3.165E-05	0.107046	0.573058	0.198312	1.520537	0.89960192	17.95873
15.8605927	0.254788851	4.292E-05	0.094352	0.625343	0.172087	1.389012	0.93805947	17.45816
15.4860695	0.271121008	4.084E-05	0.084904	0.724181	0.150284	1.29357	0.99818979	17.01198
17.9438647	0.297561191	2.715E-05	0.173128	0.770578	0.283367	2.117288	1.09553496	20.49028
17.4594473	0.238767226	2.433E-05	0.141659	0.708913	0.24464	1.909624	0.87907244	19.824

396	483677.7	3854171	1.65497	0.50514	1.62475	2.30982	1.4014	1.55593	1.00294	0.50514	16.9814942	0.227336066	4.122E-05	0.119652	0.646256	0.215255	1.731586	0.83698619	19.08463
397	483727.7	3854171	1.61063	0.51072	1.81069	1.99277	1.27346	1.38604	0.91519	0.51072	16.5265256	0.229847321	4.593E-05	0.103228	0.587257	0.191752	1.580085	0.84623191	18.37251
398	483777.7	3854171	1.57289	0.5293	1.3516	1.81088	1.43306	1.225	0.8351	0.5293	16.1392789	0.238209169	3.429E-05	0.093806	0.660856	0.169473	1.441809	0.87701784	17.86645
399	483827.7	3854171	1.54945	0.5521	0.67763	1.73243	1.598	1.04713	0.75248	0.5521	15.8987632	0.24847021	1.719E-05	0.089742	0.736918	0.144865	1.299164	0.91479605	17.50314
400	483877.7	3854171	1.51824	0.57587	1.26024	1.54292	1.74761	0.92661	0.81091	0.57587	15.5785203	0.259167795	3.197E-05	0.079925	0.805911	0.128192	1.400044	0.95418149	17.29761
401	483727.7	3854221	1.68078	0.46744	1.67474	2.36959	1.38096	1.46975	1.0024	0.46744	17.2463282	0.210369344	4.248E-05	0.122748	0.63683	0.203333	1.730654	0.77451959	19.37579
402	483777.7	3854221	1.63997	0.49047	0.9415	2.02454	1.26014	1.29698	0.90671	0.49047	16.8275806	0.220733896	2.388E-05	0.104874	0.581114	0.179431	1.565444	0.8126789	18.66652
403	483827.7	3854221	1.59091	0.5112	1.29759	1.90803	1.42775	1.19064	0.85166	0.5112	16.3241805	0.230063342	3.292E-05	0.098839	0.658407	0.164719	1.4704	0.84702724	18.09961
404	483877.7	3854221	1.56335	0.52509	1.9139	1.85681	1.59636	1.03835	0.78766	0.52509	16.0413899	0.236314477	4.855E-05	0.096185	0.736162	0.143651	1.359903	0.87004213	17.74361
405	489150.19	3858726.45	1.80045	1.15458	1.71123	8.80145	6.0138	2.86317	1.09332	1.15458	18.474251	0.519613721	4.341E-05	0.455927	2.773266	0.396106	1.887628	1.91306869	22.59377
406	489200.19	3858726.45	1.72395	1.10893	1.67784	14.39362	5.33114	2.61902	1.03542	1.10893	17.6892916	0.499069136	4.256E-05	0.74561	2.458457	0.362329	1.787663	1.83742942	21.70503
407	489150.19	3858776.45	1.84739	1.22506	1.56059	9.69463	6.34538	3.16264	1.16869	1.22506	18.955898	0.551332939	3.959E-05	0.502195	2.926174	0.437536	2.017755	2.02984975	23.36108
408	489200.19	3858776.45	1.77924	1.18466	1.60139	15.11927	5.75733	2.80613	1.09918	1.18466	18.2566172	0.533151094	4.062E-05	0.783199	2.654995	0.388214	1.897745	1.96290942	22.55105
409	488919.6	3856400.76	0.93412	0.33478	1.05881	1.05419	7.66659	0.46315	0.35913	0.33478	9.58491898	0.150666287	2.686E-05	0.054609	3.535451	0.064075	0.620042	0.55471006	13.45508
410	488919.6	3856450.76	0.9392	0.33154	1.04869	1.11703	7.74161	0.47244	0.35766	0.33154	9.63704439	0.149208139	2.66E-05	0.057864	3.570046	0.06536	0.617504	0.54934157	13.54771
411	488969.6	3856450.76	0.93481	0.33067	0.89697	0.95139	7.55893	0.46631	0.35618	0.33067	9.59199901	0.148816599	2.275E-05	0.049283	3.485803	0.064512	0.614948	0.54790004	13.40749
412	488919.6	3856500.76	0.94469	0.32788	0.94377	1.18402	7.7736	0.48485	0.3544	0.32788	9.69337678	0.147560972	2.394E-05	0.061334	3.584798	0.067077	0.611875	0.54327718	13.62277
413	488969.6	3856500.76	0.93964	0.32822	0.89079	1.00993	7.59776	0.48467	0.35385	0.32822	9.64155919	0.147713987	2.26E-05	0.052316	3.50371	0.067052	0.610926	0.54384054	13.47946
414	488919.6	3856550.76	0.94959	0.32265	0.86736	1.26095	7.79812	0.5026	0.34963	0.32265	9.74365522	0.145207233	2.2E-05	0.065319	3.596106	0.069532	0.60364	0.53461138	13.68887
415	488969.6	3856550.76	0.94598	0.32409	0.99755	1.06822	7.64338	0.50256	0.35023	0.32409	9.70661335	0.145855299	2.531E-05	0.055335	3.524747	0.069527	0.604676	0.53699738	13.56978
416	488819.6	3856600.76	0.96884	0.3086	1.04153	1.7123	8.17148	0.52955	0.37195	0.3086	9.9411777	0.138884091	2.642E-05	0.0887	3.768281	0.073261	0.642175	0.51133139	14.14117
417	488869.6	3856600.76	0.96245	0.31249	0.91977	1.54349	8.00072	0.51863	0.35765	0.31249	9.8756105	0.140634769	2.333E-05	0.079955	3.689535	0.07175	0.617486	0.51777688	13.95722
418	488919.6	3856600.76	0.95663	0.31585	0.94545	1.33357	7.83682	0.51886	0.34397	0.31585	9.81589201	0.142146922	2.398E-05	0.069081	3.613952	0.071782	0.593868	0.5233442	13.7834
419	488819.6	3856650.76	0.97529	0.29897	0.83974	1.78648	8.20147	0.54112	0.38667	0.29897	10.0073605	0.134550152	2.13E-05	0.092542	3.782111	0.074861	0.66759	0.49537507	14.26366
420	488869.6	3856650.76	0.96931	0.30352	0.92588	1.62501	8.04895	0.53518	0.37361	0.30352	9.94600032	0.136597859	2.349E-05	0.084178	3.711776	0.07404	0.645041	0.50291414	14.09474
421	488819.6	3856700.76	0.98221	0.30879	0.90885	1.86096	8.73028	0.55707	0.39862	0.30879	10.078366	0.1389696	2.306E-05	0.0964	4.025972	0.077068	0.688221	0.51164621	14.59337
422	488869.6	3856700.76	0.97698	0.2992	1.11866	1.70692	8.75165	0.55383	0.38667	0.2992	10.0247015	0.134653662	2.838E-05	0.088421	4.035827	0.07662	0.66759	0.49575616	14.53208
423	488819.6	3856750.76	0.99087	0.32311	1.14964	1.92744	10.0244	0.57326	0.40976	0.32311	10.1672255	0.145414254	2.916E-05	0.099844	4.622774	0.079308	0.707455	0.53537358	15.28668
424	488869.6	3856750.76	0.98497	0.31396	1.31103	1.79172	9.91736	0.57536	0.39864	0.31396	10.1066861	0.141296336	3.326E-05	0.092814	4.573394	0.079598	0.688256	0.52021258	15.16187
425	488819.6	3857050.76	1.04803	0.38655	1.14559	2.31057	11.7214	0.81899	0.43682	0.38655	10.753739	0.173965151	2.906E-05	0.119691	5.405332	0.113303	0.754174	0.64048979	16.67974
426	488869.6	3857050.76	1.04425	0.38069	1.25474	2.27594	11.4016	0.87051	0.42863	0.38069	10.7149527	0.171327883	3.183E-05	0.117897	5.257829	0.120431	0.740034	0.63078013	16.49172
427	488919.6	3857050.76	1.04279	0.37451	1.44497	2.12018	11.1147	0.86095	0.42156	0.37451	10.6999718	0.168546601	3.666E-05	0.109828	5.125529	0.119108	0.727828	0.62054024	16.33031
428	488819.6	3857100.76	1.05765	0.3914	1.45096	2.36533	11.597	0.91232	0.4394	0.3914	10.8524489	0.176147872	3.681E-05	0.122527	5.347942	0.126215	0.758629	0.64852594	16.73542
429	488869.6	3857100.76	1.05493	0.38643	1.60944	2.3455	11.2593	0.89764	0.43208	0.38643	10.8245392	0.173911145	4.083E-05	0.1215	5.192212	0.124184	0.745991	0.64029096	16.54209
430	488919.6	3857100.76	1.05321	0.38131	1.6768	2.21123	10.9001	0.8392	0.42466	0.38131	10.8068905	0.171606911	4.254E-05	0.114545	5.02659	0.116099	0.73318	0.63180743	16.33715
431	488819.6	3857150.76	1.06672	0.3963	1.75857	2.41768	11.8904	0.93802	0.44493	0.3963	10.9455153	0.178353096	4.461E-05	0.125239	5.483262	0.12977	0.768176	0.65664495	16.97372
432	488869.6	3857150.76	1.06401	0.39218	1.76028	2.41846	11.3982	0.87105	0.43696	0.39218	10.9177083	0.176498908	4.465E-05	0.12528	5.256266	0.120506	0.754416	0.64981836	16.7009
433	488919.6	3857150.76	1.06337	0.38744	1.66455	2.3	10.9489	0.78875	0.42945	0.38744	10.9111413	0.174365691	4.223E-05	0.119143	5.04908	0.10912	0.74145	0.64196447	16.46238
434	488969.6	3857150.76	1.06412	0.38233	1.50101	2.06215	10.5156	0.7921	0.42215	0.38233	10.918837	0.172065958	3.808E-05	0.106822	4.849254	0.109583	0.728846	0.63349751	16.25195
435	488819.6	3857200.76	1.07496	0.40082	1.80009	2.46864	12.1002	0.90314	0.4519	0.40082	11.0300652	0.180387302	4.566E-05	0.127879	5.579989	0.124945	0.78021	0.66413431	17.15939
436	488869.6	3857200.76	1.07257	0.39733	1.63968	2.48696	11.6103	0.82765	0.44318	0.39733	11.0055416	0.178816643	4.16E-05	0.128828	5.354094	0.114501	0.765155	0.65835159	16.88863
437	488919.6	3857200.76	1.07224	0.3932	1.42507	2.3893	11.1654	0.82365	0.43507	0.3932	11.0021555	0.176957954	3.615E-05	0.123769	5.148928	0.113948	0.751153	0.65150843	16.66544
438	488969.6	3857200.76	1.07387	0.38844	1.35609	2.16234	10.7605	0.78913	0.42745	0.38844	11.0188808	0.174815737	3.44E-05	0.112012	4.962185	0.109172	0.737997	0.64362141	16.47148
439	488819.6	3857250.76	1.08278	0.40485	1.55987	2.51502	12.0349	0.86748	0.46039	0.40485	11.1103055	0.182200986	3.957E-05	0.130282	5.54988	0.120012	0.794868	0.67081177	17.21678
440	488869.6	3857250.76	1.08105	0.40179	1.44478	2.5492	11.5675	0.85189	0.45092	0.40179	11.0925541	0.180823847	3.665E-05	0.132052	5.334352	0.117855	0.778518	0.66574154	16.97045
441	488919.6	3857250.76	1.08107	0.39824	1.43854	2.47384	11.1251	0.80888	0.44205	0.39824	11.0927594	0.179226184	3.649E-05	0.128148	5.130348	0.111905	0.763204	0.65985941	16.74577
442	488969.6	3857250.76	1.08268	0.39421	1.38923	2.26429	10.7046	0.7918	0.43372	0.39421	11.1092794	0.1774125	3.524E-05	0.117293	4.93643	0.109542	0.748822	0.65318194	16.54563
443	488819.6	3857300.76	1.08961	0.40895	1.53906	2.56203	11.6323	0.88054	0.47025	0.40895	11.1803875	0.184046174	3.904E-05	0.132717	5.364221	0.121818	0.811891	0.67760522	17.11751
444	488869.6	3857300.76	1.0884	0.40631	1.48531	2.61067	11.2193	0.84318	0.45985	0.40631	11.1679718	0.182858053	3.768E-05	0.135236	5.173798	0.11665	0.793936	0.67323091	16.89726
445	488919.6	3857300.76	1.08868	0.4034	1.39205	2.55714	10.8548	0.83016	0.45005	0.4034	11.1708449	0.18154842	3.531E-05	0.132463	5.0057	0.114849	0.777016	0.66840921	16.71405
446	488819.6	3857450.76	1.11035	0.41826	1.87377	2.69073	12.2477	1.03004	0.51001	0.41826	11.3931987	0.188236099	4.753E-05	0.139384	5.648031	0.142501	0.880537	0.69303133	17.6989
447	488869.6	3857450.76	1.11081	0.41666	1.88016	2.77607	11.7249	1.01261	0.49615	0.41666	11.3979187	0.187516026	4.77E-05	0.143804	5.406933	0.14009	0.856608	0.69038023	17.44254
448	488919.6	3857450.76	1.11247	0.41529	1.86603	2.78829	11.153	1.02394	0.48284	0.41529	11.4149519	0.186899463	4.734E-05	0.144437	5.143215	0.141657	0.833628	0.68811022	17.17673
449	488819.6	3857500.76	1.11947	0.41877	1.99117	2.729	12.1225	1.09277	0.52762	0.41877	11.4867782	0.188465622	5.051E-05	0.141366	5.590286	0.151179	0.910941	0.69387637	17.77519
450	488869.6	3857500.76	1.12011	0.41791	1.89436	2.82925	11.7136	1.1143	0.51185	0.41791	11.4933452	0.188078583	4.806E-05	0.146559	5.401745	0.154158	0.883714	0.6924514	17.5752
451	488919.6	3857500.76	1.12251	0.41674	1.88593	2.86073	11.2901	1.12391	0.49728	0.41674	11.5179714	0.187552029	4.784E-05	0.14819	5.206434	0.155487	0.858559	0.69051278	17.38373
452	488819.6	3857550.76	1.13057	0.41827	2.31396	2.77124	11.5518	1.20368	0.54849	0.41827	11.6006743	0.188240599	5.87E-05	0.143554	5.327126	0.166523	0.946974	0.6930479	17.6801

453	488869.6	3857550.76	1.13211	0.41747	2.55894	2.88168	11.2815	1.198	0.53154	0.41747	11.6164761	0.187880563	6.491E-05	0.149275	5.202445	0.165737	0.917709	0.69172235	17.54787
454	488919.6	3857550.76	1.1348	0.41668	2.75701	2.92669	10.9768	1.18239	0.51537	0.41668	11.6440779	0.187525026	6.994E-05	0.151607	5.061969	0.163578	0.889792	0.69041336	17.4082
455	489663.71	3860900.05	1.11733	0.68008	1.27735	0.93999	3.37297	0.78036	0.72106	0.68008	11.4648199	0.306067054	3.24E-05	0.048693	1.555446	0.107959	1.244917	1.12685111	13.60108
456	489813.71	3860900.05	0.99248	0.68551	1.133	0.83863	4.18544	0.70472	0.71976	0.68551	10.1837456	0.308510802	2.874E-05	0.043442	1.930117	0.097495	1.242673	1.13584829	12.67016
457	489863.71	3860900.05	0.98458	0.68574	1.04699	0.81828	4.37614	0.68174	0.71607	0.68574	10.1026844	0.308614312	2.656E-05	0.042388	2.018059	0.094315	1.236302	1.13622938	12.66616
458	489913.71	3860900.05	0.9769	0.68796	0.96886	0.80628	4.53982	0.67156	0.71544	0.68796	10.0238806	0.309613414	2.458E-05	0.041766	2.09354	0.092907	1.235214	1.13990779	12.65704
459	489963.71	3860900.05	0.96886	0.68799	0.78593	0.79147	4.63179	0.6577	0.71152	0.68799	9.94138291	0.309626915	1.994E-05	0.040999	2.135952	0.09099	1.228446	1.1399575	12.60746
460	490013.71	3860900.05	0.96212	0.69008	0.95596	0.7826	4.69179	0.64683	0.70992	0.69008	9.8722244	0.310567511	2.425E-05	0.04054	2.163621	0.089486	1.225684	1.1434205	12.55873
461	490063.71	3860900.05	0.95592	0.69733	1.15634	0.77127	4.68651	0.63475	0.70681	0.69733	9.80860677	0.313830342	2.933E-05	0.039953	2.161186	0.087815	1.220315	1.15543331	12.4763
462	489663.71	3860950.05	1.16131	0.70568	1.2255	0.9443	3.14966	0.79355	0.74851	0.70568	11.9160946	0.317588223	3.109E-05	0.048916	1.452467	0.109784	1.29231	1.16926875	13.96792
463	489813.71	3860950.05	0.99004	0.71884	1.0935	0.8301	3.98633	0.72353	0.75548	0.71884	10.1587089	0.323510824	2.774E-05	0.043	1.838298	0.100097	1.304344	1.19107407	12.57691
464	489863.71	3860950.05	0.9522	0.7207	1.00714	0.80879	4.19414	0.69737	0.75433	0.7207	9.77043619	0.324347909	2.555E-05	0.041896	1.934129	0.096478	1.302358	1.19415597	12.27552
465	489913.71	3860950.05	0.94895	0.72596	0.94127	0.79529	4.37636	0.67615	0.75576	0.72596	9.73708824	0.326715149	2.388E-05	0.041197	2.01816	0.093542	1.304827	1.20287147	12.31868
466	489963.71	3860950.05	0.94446	0.72916	0.77907	0.78149	4.50147	0.65614	0.75455	0.72916	9.69101677	0.328155295	1.976E-05	0.040482	2.075855	0.090774	1.302738	1.20817368	12.32087
467	490013.71	3860950.05	0.9397	0.73254	0.88698	0.77101	4.583	0.64263	0.75496	0.73254	9.64217485	0.329676449	2.25E-05	0.039939	2.113452	0.088905	1.303446	1.21377413	12.30384
468	490063.71	3860950.05	0.93499	0.73596	1.09437	0.76127	4.61332	0.63222	0.75505	0.73596	9.59384597	0.331215605	2.776E-05	0.039435	2.127434	0.087465	1.303601	1.21944086	12.26358
469	489513.71	3861000.05	1.52337	0.71809	1.08188	1.2028	2.03263	0.84792	0.73792	0.71809	15.6311588	0.323173289	2.744E-05	0.062307	0.937348	0.117306	1.274026	1.18983136	17.15551
470	489563.71	3861000.05	1.41419	0.72031	1.15778	1.09801	2.32501	0.83539	0.74556	0.72031	14.5108729	0.324172391	2.937E-05	0.056878	1.072179	0.115572	1.287217	1.19350977	16.17341
471	489613.71	3861000.05	1.30762	0.72546	1.25396	1.01841	2.63074	0.82223	0.75283	0.72546	13.417368	0.326490126	3.181E-05	0.052755	1.213167	0.113751	1.299769	1.202043	15.22129
472	489663.71	3861000.05	1.20426	0.72845	1.17803	0.94953	2.93562	0.80547	0.7592	0.72845	12.3568006	0.327835763	2.988E-05	0.049187	1.353762	0.111433	1.310766	1.20699725	14.30282
473	489713.71	3861000.05	1.11046	0.73072	0.99809	0.88917	3.23032	0.78506	0.76467	0.73072	11.3943274	0.328857366	2.532E-05	0.04606	1.489663	0.108609	1.320211	1.2107585	13.47699
474	489763.71	3861000.05	1.06129	0.73425	1.07471	0.84279	3.5143	0.76333	0.76923	0.73425	10.8897986	0.330446027	2.726E-05	0.043658	1.620621	0.105603	1.328083	1.2166075	13.10163
475	489813.71	3861000.05	1.01355	0.74244	1.058	0.82315	3.78681	0.74244	0.77342	0.74244	10.3999429	0.334131901	2.684E-05	0.04264	1.746289	0.102713	1.335317	1.23017783	12.73088
476	489863.71	3861000.05	0.96492	0.7425	0.97153	0.80119	4.0104	0.71706	0.77619	0.7425	9.90095494	0.334158904	2.465E-05	0.041503	1.849397	0.099202	1.3401	1.23027725	12.33506
477	489913.71	3861000.05	0.91771	0.74835	0.91775	0.78709	4.21245	0.69565	0.77904	0.74835	9.41653749	0.336791671	2.328E-05	0.040772	1.942573	0.09624	1.34502	1.23997034	11.93799
478	489963.71	3861000.05	0.91184	0.75131	0.77049	0.77187	4.3576	0.67381	0.78089	0.75131	9.35630596	0.338123806	1.955E-05	0.039984	2.009509	0.093218	1.348215	1.24487488	11.9405
479	490013.71	3861000.05	0.91098	0.75704	0.82264	0.76123	4.46658	0.65701	0.78313	0.75704	9.34748158	0.340702568	2.087E-05	0.039433	2.059765	0.090894	1.352082	1.25436914	11.97601
480	490063.71	3861000.05	0.90916	0.76309	1.03214	0.75104	4.52362	0.64371	0.78518	0.76309	9.32880673	0.343425344	2.618E-05	0.038905	2.086069	0.089054	1.355621	1.26439362	11.97751
481	489513.71	3861050.05	1.55507	0.74836	1.08241	1.21385	1.85726	0.85204	0.75067	0.74836	15.9564295	0.336796172	2.746E-05	0.062879	0.856476	0.117876	1.296039	1.23998691	17.38654
482	489563.71	3861050.05	1.45128	0.75292	1.14829	1.1067	2.13636	0.84113	0.75415	0.75292	14.8914499	0.33884838	2.913E-05	0.057329	0.985183	0.116366	1.302048	1.24754255	16.44371
483	489613.71	3861050.05	1.3481	0.75944	1.22174	1.02677	2.43558	0.83156	0.76163	0.75944	13.8327295	0.341782678	3.099E-05	0.053188	1.123169	0.115042	1.314962	1.25834579	15.52256
484	489663.71	3861050.05	1.2458	0.76192	1.14136	0.95263	2.72702	0.8154	0.76474	0.76192	12.7830387	0.342898791	2.895E-05	0.049348	1.257566	0.112807	1.320331	1.262455	14.60356
485	489713.71	3861050.05	1.14684	0.76571	0.96779	0.89115	3.0184	0.79752	0.7675	0.76571	11.7676192	0.344604464	2.455E-05	0.046163	1.391936	0.110333	1.325097	1.2687348	13.71704
486	489763.71	3861050.05	1.08229	0.77127	1.03708	0.84132	3.30565	0.77889	0.77288	0.77127	11.1052777	0.347106718	2.631E-05	0.043582	1.524402	0.107756	1.334385	1.27794738	13.18459
487	489813.71	3861050.05	1.03432	0.77726	1.02064	0.81435	3.57888	0.75903	0.77921	0.77726	10.6130619	0.349802491	2.589E-05	0.042184	1.650402	0.105008	1.345314	1.28787245	12.81793
488	489863.71	3861050.05	0.98612	0.78238	0.93732	0.79381	3.82093	0.73658	0.78336	0.78238	10.1184862	0.352106725	2.378E-05	0.04112	1.762023	0.101902	1.352479	1.29635597	12.43179
489	489913.71	3861050.05	0.93838	0.78788	0.89147	0.77746	4.03335	0.71468	0.78873	0.78788	9.62863045	0.354581976	2.261E-05	0.040274	1.859981	0.098872	1.36175	1.30546914	12.03864
490	489963.71	3861050.05	0.89078	0.7926	0.76163	0.76334	4.20582	0.69365	0.79373	0.7926	9.14021125	0.356706192	1.932E-05	0.039542	1.939515	0.095963	1.370383	1.31328989	11.62905
491	490013.71	3861050.05	0.87468	0.80071	0.76292	0.75355	4.34471	0.67655	0.80224	0.80071	8.97501064	0.360356062	1.935E-05	0.039035	2.003565	0.093597	1.385075	1.32672767	11.52993
492	490063.71	3861050.05	0.87671	0.80636	0.97198	0.74278	4.42678	0.6609	0.80776	0.80636	8.99584028	0.36289882	2.466E-05	0.038477	2.041411	0.091432	1.394606	1.33608937	11.5886
493	489513.71	3861100.05	1.58145	0.76924	1.08414	1.21592	1.69744	0.85793	0.77255	0.76924	16.2271123	0.346193125	2.75E-05	0.062986	0.782775	0.11869	1.333815	1.2745838	17.59702
494	489563.71	3861100.05	1.48419	0.77485	1.13658	1.11151	1.95733	0.84577	0.77741	0.77485	15.2291364	0.348717881	2.883E-05	0.057578	0.902623	0.117008	1.342206	1.28387922	16.71342
495	489613.71	3861100.05	1.38381	0.77677	1.17723	1.01815	2.22814	0.83214	0.78038	0.77677	14.1991465	0.349581969	2.986E-05	0.052742	1.027508	0.115122	1.347334	1.28706055	15.8044
496	489663.71	3861100.05	1.28469	0.78344	1.106	0.9492	2.51709	0.82087	0.78675	0.78344	13.1820854	0.352583774	2.806E-05	0.04917	1.160757	0.113563	1.358332	1.29811233	14.91841
497	489713.71	3861100.05	1.18744	0.7902	0.93756	0.89091	2.80852	0.80744	0.79352	0.7902	12.1842121	0.355626082	2.378E-05	0.04615	1.29515	0.111705	1.37002	1.30931324	14.05357
498	489763.71	3861100.05	1.10048	0.79696	0.9981	0.84061	3.09416	0.79155	0.80024	0.79696	11.2919236	0.358668391	2.532E-05	0.043545	1.426873	0.109507	1.381622	1.32051415	13.29165
499	489813.71	3861100.05	1.05264	0.80416	0.98489	0.80592	3.37105	0.77442	0.80768	0.80416	10.8010418	0.36190872	2.498E-05	0.041748	1.554561	0.107137	1.394468	1.33244411	12.92844
500	489863.71	3861100.05	1.00538	0.81328	0.90701	0.78826	3.63287	0.75657	0.81599	0.81328	10.3161113	0.366013136	2.301E-05	0.040833	1.675299	0.104668	1.408815	1.34755539	12.56421
501	489913.71	3861100.05	0.95703	0.81814	0.8673	0.76942	3.85199	0.73455	0.82124	0.81814	9.81999638	0.368200358	2.2E-05	0.039857	1.776347	0.101621	1.417879	1.35560812	12.16831
502	489963.71	3861100.05	0.90943	0.82523	0.75196	0.75549	4.04484	0.71438	0.82827	0.82523	9.33157718	0.371391182	1.908E-05	0.039135	1.865279	0.098831	1.430017	1.36735581	11.76889
503	490013.71	3861100.05	0.86164	0.83072	0.70434	0.74227	4.19231	0.69446	0.83334	0.83072	8.8412084	0.373861932	1.787E-05	0.038451	1.933285	0.096075	1.43877	1.37645241	11.34522
504	490063.71	3861100.05	0.83722	0.83904	0.9108	0.73219	4.30263	0.67795	0.84201	0.83904	8.59063704	0.377606312	2.311E-05	0.037928	1.984159	0.093791	1.453739	1.39023814	11.14765
505	489713.71	3861150.05	1.22652	0.80481	0.9088	0.89143	2.60695	0.81672	0.80781	0.80481	12.5852084	0.362201249	2.305E-05	0.046177	1.202196	0.112989	1.394692	1.33352112	14.36997
506	489763.71	3861150.05	1.1334	0.81328	0.96405	0.84179	2.89147	0.80413	0.81656	0.81328	11.6297126	0.366013136	2.446E-05	0.043606	1.333402	0.111247	1.409799	1.34755539	13.54625
507	489813.71	3861150.05	1.06915	0.82234	0.95345	0.79944	3.16945	0.78961	0.82627	0.82234	10.9704493	0.37009055	2.419E-05	0.041412	1.461593	0.109239	1.426564	1.36256726	13.0168
508	489863.71	3861150.05	1.02143	0.8305	0.87144	0.77885	3.42943	0.77241	0.83388	0.8305	10.4807988	0.373762922	2.211E-05	0.040346	1.581483	0.106859	1.439702	1.37608788	12.64689
509	489913.71	3861150.05	0.97365	0.83746	0.84268	0.76105	3.66445	0.75329	0.84054	0.83746	9.99053266	0.37689524	2.138E-05	0.039423	1.689862	0.104214	1.451201	1.38762018	12.26453

510	489963.71	3861150.05	0.9259	0.8453	0.73835	0.74559	3.8681	0.73322	0.84786	0.8453	9.50057432	0.380423598	1.873E-05	0.038623	1.783776	0.101437	1.463839	1.40061058	11.86808
511	490013.71	3861150.05	0.8784	0.852	0.65043	0.7326	4.03671	0.71367	0.85575	0.852	9.01318121	0.383438904	0.0000165	0.03795	1.86153	0.098733	1.477461	1.41171207	11.4606
512	490063.71	3861150.05	0.83165	0.86263	0.85269	0.7233	4.17342	0.69694	0.865	0.86263	8.53348379	0.388222889	2.163E-05	0.037468	1.924574	0.096418	1.493431	1.42932533	11.04429
513	489613.71	3861200.05	1.44609	0.7904	1.12115	1.01874	1.86895	0.84047	0.79425	0.7904	14.8381958	0.355716091	2.844E-05	0.052772	0.861867	0.116275	1.371281	1.30964463	16.28649
514	489663.71	3861200.05	1.35559	0.79956	1.04203	0.9504	2.13713	0.83352	0.80327	0.79956	13.9095837	0.35983851	2.643E-05	0.049232	0.985538	0.115313	1.386854	1.32482219	15.48156
515	489713.71	3861200.05	1.26366	0.80892	0.88129	0.8925	2.41405	0.82528	0.81248	0.80892	12.9662985	0.364050937	2.236E-05	0.046233	1.11324	0.114173	1.402755	1.34033114	14.66644
516	489763.71	3861200.05	1.17215	0.81813	0.93119	0.84237	2.69366	0.81503	0.82191	0.81813	12.0273228	0.368195858	2.362E-05	0.043636	1.242182	0.112755	1.419036	1.35559155	13.85756
517	489813.71	3861200.05	1.0835	0.82756	0.92293	0.79903	2.97015	0.80295	0.83154	0.82756	11.1176934	0.372439788	2.341E-05	0.041391	1.369686	0.111084	1.435662	1.37121648	13.07676
518	489863.71	3861200.05	1.03686	0.83772	0.84301	0.77348	3.23818	0.78924	0.84183	0.83772	10.6391246	0.377012252	2.139E-05	0.040067	1.493288	0.109187	1.453428	1.38805098	12.72408
519	489913.71	3861200.05	0.98951	0.84644	0.82116	0.75488	3.4807	0.77185	0.85041	0.84644	10.1532707	0.38093665	2.083E-05	0.039104	1.605126	0.106782	1.468241	1.40249949	12.35098
520	489963.71	3861200.05	0.94216	0.8547	0.72735	0.73853	3.69541	0.75269	0.85888	0.8547	9.66741668	0.384654027	1.845E-05	0.038257	1.70414	0.104131	1.482865	1.41618581	11.9653
521	490013.71	3861200.05	0.89551	0.86388	0.60146	0.72616	3.88469	0.73427	0.86853	0.86388	9.18874534	0.388785447	1.526E-05	0.037616	1.791426	0.101583	1.499526	1.43139651	11.5763
522	490063.71	3861200.05	0.84899	0.87308	0.7968	0.71473	4.03447	0.71566	0.87734	0.87308	8.71140792	0.392925867	2.021E-05	0.037024	1.860497	0.099008	1.514736	1.44664035	11.16898
523	489513.71	3861250.05	1.61771	0.76166	1.03901	1.20153	1.24364	0.85644	0.76594	0.76166	16.5991728	0.342781779	2.636E-05	0.062241	0.573505	0.118484	1.322403	1.2620242	17.75659
524	489563.71	3861250.05	1.54918	0.77181	1.08202	1.10525	1.46783	0.85174	0.77617	0.77181	15.8959928	0.347349742	2.745E-05	0.057253	0.67689	0.117834	1.340065	1.27884213	17.15657
525	489613.71	3861250.05	1.47113	0.78171	1.09525	1.02296	1.70961	0.84659	0.78587	0.78171	15.095129	0.351805195	2.778E-05	0.052991	0.788387	0.117122	1.356813	1.29524583	16.46703
526	489663.71	3861250.05	1.38633	0.79086	1.01227	0.95215	1.96396	0.84004	0.79535	0.79086	14.225004	0.355923112	2.568E-05	0.049323	0.905681	0.116215	1.37318	1.31040682	15.71494
527	489713.71	3861250.05	1.2983	0.80065	0.85505	0.89349	2.23109	0.83323	0.8052	0.80065	13.3217363	0.360329059	2.169E-05	0.046284	1.028868	0.115273	1.390186	1.32662825	14.93607
528	489763.71	3861250.05	1.20928	0.81063	0.90101	0.84306	2.50361	0.82492	0.81518	0.81063	12.4083103	0.364820515	2.286E-05	0.043672	1.154541	0.114124	1.407417	1.3431645	14.14974
529	489813.71	3861250.05	1.12108	0.82073	0.89427	0.79907	2.77578	0.81464	0.82527	0.82073	11.5032983	0.369365976	2.269E-05	0.041393	1.280052	0.112701	1.424837	1.35989959	13.37177
530	489863.71	3861250.05	1.05046	0.83087	0.81215	0.76577	3.04112	0.80217	0.83546	0.83087	10.778673	0.373929439	2.06E-05	0.039668	1.402414	0.110976	1.44243	1.37670095	12.77141
531	489913.71	3861250.05	1.00472	0.84142	0.79941	0.74859	3.29436	0.78799	0.84583	0.84142	10.3093391	0.378677421	2.028E-05	0.038778	1.519195	0.109015	1.460334	1.39418166	12.42118
532	489963.71	3861250.05	0.95879	0.85159	0.71784	0.73333	3.52423	0.77136	0.85624	0.85159	9.83805557	0.383254385	1.821E-05	0.037988	1.6252	0.106714	1.478307	1.41103273	12.0585
533	490013.71	3861250.05	0.91297	0.86147	0.58905	0.71992	3.72528	0.75318	0.86655	0.86147	9.36790079	0.387700837	1.494E-05	0.037293	1.717914	0.104199	1.496107	1.42740328	11.68373
534	490063.71	3861250.05	0.86718	0.87091	0.74375	0.70706	3.88787	0.73359	0.87576	0.87091	8.89805383	0.391949268	1.887E-05	0.036627	1.792893	0.101489	1.512009	1.44304479	11.28999
535	489528.13	3861308.47	1.60621	0.73842	1.02605	1.17	1.15857	0.86074	0.74299	0.73842	16.4811724	0.332322718	2.603E-05	0.060608	0.534275	0.119079	1.28278	1.22351693	17.58675
536	489578.13	3861308.47	1.54391	0.74851	1.07014	1.07723	1.37003	0.85527	0.7532	0.74851	15.8419178	0.336863679	2.715E-05	0.055802	0.63179	0.118322	1.300407	1.24023545	17.04489
537	489628.13	3861308.47	1.47235	0.75856	1.04687	0.9992	1.59943	0.8501	0.76336	0.75856	15.1076473	0.341386637	2.656E-05	0.05176	0.737578	0.117607	1.317949	1.25688769	16.41707
538	489678.13	3861308.47	1.39375	0.76873	0.93997	0.93429	1.84543	0.84529	0.77371	0.76873	14.3011399	0.345963602	2.385E-05	0.048398	0.851021	0.116942	1.335818	1.27373876	15.72557
539	489728.13	3861308.47	1.31053	0.77904	0.82089	0.87829	2.10287	0.83951	0.78405	0.77904	13.4472272	0.350603573	2.082E-05	0.045497	0.969739	0.116142	1.35367	1.2908218	14.99208
540	489778.13	3861308.47	1.22495	0.78937	0.87411	0.82897	2.36596	0.83175	0.79448	0.78937	12.5690987	0.355252544	2.217E-05	0.042942	1.091063	0.115069	1.371678	1.30793798	14.23719
541	489678.13	3861358.47	1.41736	0.73628	0.91223	0.93346	1.68888	0.85029	0.74137	0.73628	14.5434	0.33135962	2.314E-05	0.048355	0.778828	0.117633	1.279983	1.21997108	15.87961
542	489728.13	3861358.47	1.3393	0.74659	0.79501	0.87702	1.93456	0.84471	0.7518	0.74659	13.7424335	0.335999591	2.017E-05	0.045431	0.892123	0.116861	1.29799	1.23705413	15.1938
543	489528.13	3861408.47	1.60995	0.66627	0.99249	1.16916	0.93787	0.87375	0.67135	0.66627	16.5195482	0.299851923	2.518E-05	0.060564	0.432499	0.120879	1.159093	1.10396878	17.48849
544	489578.13	3861408.47	1.56039	0.67604	1.02629	1.07591	1.12071	0.86621	0.68108	0.67604	16.0110176	0.304248869	2.603E-05	0.055734	0.516816	0.119836	1.175892	1.12015708	17.06341
545	489628.13	3861408.47	1.50335	0.68553	0.99408	1.00162	1.32539	0.86183	0.69065	0.68553	15.4257354	0.308519803	2.522E-05	0.051885	0.611204	0.11923	1.192414	1.13588143	16.57313
546	489678.13	3861408.47	1.43725	0.69561	0.88608	0.93357	1.54321	0.85522	0.70133	0.69561	14.7474894	0.313056263	2.248E-05	0.04836	0.711652	0.118316	1.210853	1.15258337	15.99717
547	489728.13	3861408.47	1.3645	0.706	0.77059	0.87568	1.77519	0.84873	0.71169	0.706	14.0010084	0.317732237	1.955E-05	0.045361	0.81863	0.117418	1.22874	1.16979897	15.35911
548	489528.13	3861458.47	1.60985	0.62139	0.9769	1.17287	0.8428	0.88266	0.62635	0.62139	16.5185221	0.279653874	2.478E-05	0.060756	0.388658	0.122112	1.0814	1.02960536	17.42152
549	489578.13	3861458.47	1.56511	0.6306	1.00578	1.0779	1.01211	0.87352	0.63565	0.6306	16.0594491	0.283798795	2.551E-05	0.055837	0.466735	0.120847	1.097456	1.04486577	17.03928
550	489628.13	3861458.47	1.51307	0.6399	0.96691	0.99863	1.20024	0.86576	0.64528	0.6399	15.5254714	0.287984219	2.453E-05	0.05173	0.553491	0.119774	1.114082	1.0602753	16.59228
551	489678.13	3861458.47	1.45319	0.64981	0.86	0.93125	1.40566	0.85847	0.65514	0.64981	14.9110483	0.292444172	2.182E-05	0.04824	0.648221	0.118765	1.131106	1.07669556	16.07315
552	489728.13	3861458.47	1.38589	0.66017	0.74557	0.87238	1.62369	0.85039	0.66588	0.66017	14.2204892	0.297106645	1.891E-05	0.045191	0.748765	0.117647	1.149649	1.09386145	15.485
553	489528.13	3861508.47	1.60861	0.57367	0.96	1.17194	0.75572	0.89128	0.57856	0.57367	16.5057985	0.258177695	2.435E-05	0.060708	0.348501	0.123304	0.99889	0.95053623	17.34487
554	489578.13	3861508.47	1.56741	0.58255	0.98374	1.07465	0.91095	0.87936	0.58758	0.58255	16.0830491	0.2621741	2.496E-05	0.055668	0.420085	0.121655	1.014463	0.96524984	16.99187
555	489628.13	3861508.47	1.52004	0.59173	0.94041	0.99508	1.08519	0.86926	0.59689	0.59173	15.59699	0.26630552	2.386E-05	0.051547	0.500436	0.120258	1.030537	0.98046054	16.58564
556	489678.13	3861508.47	1.46557	0.60137	0.83412	0.92811	1.27639	0.8601	0.6067	0.60137	15.0380783	0.27064396	2.116E-05	0.048077	0.588608	0.118991	1.047474	0.99643344	16.11546
557	489728.13	3861508.47	1.40422	0.61141	0.72338	0.87116	1.48353	0.8517	0.6169	0.61141	14.4085716	0.275162418	1.835E-05	0.045127	0.68413	0.117829	1.065084	1.01306911	15.58285
558	489628.13	3861558.47	1.52573	0.5415	0.9167	0.99694	0.98109	0.87428	0.54649	0.5415	15.6553745	0.243699726	2.325E-05	0.051643	0.45243	0.120952	0.943521	0.8972325	16.57041
559	489678.13	3861558.47	1.47679	0.5493	0.81285	0.93169	1.16238	0.86483	0.55427	0.5493	15.1532057	0.247210082	2.062E-05	0.048263	0.536032	0.119645	0.956953	0.91015662	16.15117
560	489728.13	3861558.47	1.42057	0.55854	0.70755	0.87529	1.35813	0.85497	0.56373	0.55854	14.5763375	0.251368504	1.795E-05	0.045341	0.626302	0.118281	0.973286	0.92546674	15.66547
561	489357.08	3861015.81	1.82662	0.71577	0.99579	1.7814	1.18111	0.87766	0.71794	0.71577	18.742779	0.322129184	2.526E-05	0.092279	0.544669	0.12142	1.239531	1.18598726	19.87685
562	489407.08	3861015.81	1.74786	0.71888	0.86591	1.52002	1.4086	0.86704	0.72024	0.71888	17.9346299	0.323528826	2.197E-05	0.078739	0.649576	0.119951	1.243502	1.19114035	19.15881
563	489457.08	3861015.81	1.65243	0.72192	0.92259	1.34422	1.66137	0.85799	0.72554	0.72192	16.9554315	0.324896964	2.34E-05	0.069632	0.766141	0.118699	1.252652	1.19617744	18.2913
564	489357.08	3861065.81	1.81658	0.73821	0.91947	1.7971	1.05838	0.87898	0.741	0.73821	18.6397595	0.332228208	2.332E-05	0.093092	0.488072	0.121603	1.279344	1.22316898	19.73095
565	489407.08	3861065.81	1.75169	0.74276	0.80625	1.53831	1.26915	0.86821	0.74501	0.74276	17.9739292	0.334275916	2.045E-05	0.079687	0.585269	0.120113	1.286267	1.23070805	19.14885
566	489457.08	3861065.81	1.67024	0.74766	0.93813	1.35809	1.50545	0.85979	0.74985	0.74766	17.1381783	0.33648114	2.38E-05	0.070351	0.694239	0.118948	1.294624	1.23882705	18.41402

567	489357.08	3861115.81	1.80445	0.751	0.86978	1.79377	0.94538	0.88065	0.7545	0.751	18.5152947	0.337984292	2.206E-05	0.09292	0.435962	0.121834	1.302652	1.24436123	19.56231
568	489407.08	3861115.81	1.75039	0.75793	0.78484	1.54865	1.14335	0.87176	0.76121	0.75793	17.96059	0.341103109	1.991E-05	0.080222	0.527256	0.120604	1.314237	1.25584382	19.08819
569	489457.08	3861115.81	1.68154	0.76483	0.95343	1.3697	1.36408	0.86392	0.76823	0.76483	17.2541265	0.344208424	2.419E-05	0.070952	0.629046	0.119519	1.326357	1.26727669	18.47696
570	489407.08	3861165.81	1.74579	0.76195	0.80743	1.53928	1.02713	0.87619	0.76579	0.76195	17.9133898	0.342912292	2.048E-05	0.079737	0.473661	0.121217	1.322144	1.26250471	18.99058
571	489457.08	3861165.81	1.68645	0.76989	0.96231	1.36792	1.22983	0.86643	0.77366	0.76989	17.3045076	0.346485655	2.441E-05	0.07086	0.567137	0.119866	1.335732	1.27566081	18.46895
572	489407.08	3861215.81	1.73656	0.75475	0.81781	1.54839	0.91271	0.87485	0.75842	0.75475	17.8186817	0.339671963	2.075E-05	0.080209	0.420897	0.121031	1.30942	1.25057475	18.83936
573	489457.08	3861215.81	1.68543	0.7629	0.96138	1.36802	1.10038	0.86552	0.76706	0.7629	17.2940415	0.343339836	2.439E-05	0.070865	0.507441	0.11974	1.324337	1.2640788	18.39571
574	489407.08	3861265.81	1.7267	0.73588	0.82579	1.51101	0.80998	0.87524	0.74018	0.73588	17.7175091	0.331179602	2.095E-05	0.078272	0.373523	0.121085	1.277928	1.21930831	18.68021
575	489457.08	3861265.81	1.68181	0.74557	0.95881	1.34922	0.98287	0.86655	0.74986	0.74557	17.256897	0.335540544	2.432E-05	0.069891	0.453251	0.119883	1.294641	1.23536405	18.29476
576	489309.86	3861110.14	1.84679	0.74353	1.05561	2.12539	0.90823	0.88961	0.74675	0.74353	18.9497415	0.334622451	2.678E-05	0.110098	0.418831	0.123073	1.289271	1.23198389	19.99368
577	489407.08	3861315.81	1.71866	0.71069	0.83782	1.50904	0.7442	0.88314	0.71509	0.71069	17.6350114	0.319842952	2.125E-05	0.07817	0.343188	0.122178	1.23461	1.17757001	18.55545
578	489457.08	3861315.81	1.67809	0.72056	0.95974	1.34911	0.88038	0.8733	0.72504	0.72056	17.2187264	0.324284902	2.435E-05	0.069886	0.405988	0.120817	1.251789	1.193924	18.19759
579	488906.03	3861006.75	2.18834	0.66909	1.2276	2.0884	2.45982	1.10676	0.6715	0.66909	22.4543545	0.301121052	3.114E-05	0.108182	1.134347	0.153115	1.159352	1.10864135	24.20186
580	488956.03	3861006.75	2.15991	0.67173	1.25838	2.51645	2.34338	1.06385	0.67436	0.67173	22.1626369	0.302309173	3.192E-05	0.130356	1.080651	0.147178	1.164289	1.11301567	23.87444
581	488904.24	3861051.87	2.16912	0.65581	1.24232	2.04847	2.51378	1.12853	0.65905	0.65581	22.2571398	0.295144446	3.151E-05	0.106114	1.159231	0.156127	1.137857	1.0866372	24.02501
582	488954.24	3861051.87	2.1353	0.67412	1.31191	2.48811	2.37365	1.0812	0.67737	0.67412	21.9101159	0.303384782	3.328E-05	0.128888	1.09461	0.149579	1.169486	1.11697575	23.63912
583	489004.24	3861051.87	2.10751	0.67101	1.39962	2.89671	2.23129	1.04063	0.67432	0.67101	21.6249653	0.30198514	3.551E-05	0.150054	1.02896	0.143966	1.16422	1.11182267	23.30236
584	488804.24	3861101.87	2.16949	0.66143	1.23334	1.15886	2.51742	1.24181	0.6647	0.66143	22.2609364	0.297673702	3.129E-05	0.060031	1.160909	0.171798	1.147611	1.0959492	24.00304
585	488854.24	3861101.87	2.1531	0.66232	1.20193	1.58419	2.5298	1.19512	0.66567	0.66232	22.0927601	0.298074243	3.049E-05	0.082063	1.166618	0.165339	1.149286	1.09742387	23.85675
586	488904.24	3861101.87	2.1221	0.68591	1.15901	2.00876	2.43677	1.13721	0.68912	0.68591	21.774672	0.30869082	2.94E-05	0.104057	1.123717	0.157327	1.189773	1.13651106	23.52176
587	488954.24	3861101.87	2.09468	0.6949	1.25806	2.28595	2.32743	1.08424	0.69824	0.6949	21.4933179	0.312736731	3.191E-05	0.118415	1.073295	0.149999	1.205518	1.15140695	23.20191
588	489004.24	3861101.87	2.06641	0.70124	1.25802	2.75733	2.18763	1.04177	0.70462	0.70124	21.203242	0.31559002	3.191E-05	0.142834	1.008826	0.144124	1.216534	1.16191194	22.86927
589	488804.24	3861151.87	2.12348	0.67232	1.0988	1.17483	2.42008	1.21696	0.67543	0.67232	21.788832	0.3025747	2.787E-05	0.060858	1.116021	0.16836	1.166137	1.11399326	23.48882
590	488854.24	3861151.87	2.10465	0.67927	1.05915	1.39426	2.42586	1.17843	0.68252	0.67927	21.5956191	0.305702517	2.687E-05	0.072225	1.118686	0.16303	1.178378	1.12550899	23.30816
591	489129.49	3861187.55	1.9444	0.71429	1.17485	5.64739	1.74333	0.96977	0.71783	0.71429	19.9513087	0.321463116	2.98E-05	0.292543	0.803937	0.134163	1.239341	1.18353499	21.55925
592	489179.49	3861187.55	1.91104	0.72166	1.25399	10.4065	1.53061	0.94162	0.7252	0.72166	19.6090048	0.324779953	3.181E-05	0.539071	0.705841	0.130269	1.252065	1.19574664	21.36532
593	488804.24	3861201.87	2.09195	0.66131	1.05882	1.17475	2.37867	1.20566	0.66439	0.66131	21.4653056	0.297619697	2.686E-05	0.060854	1.096925	0.166797	1.147076	1.09575036	23.13885
594	488854.24	3861201.87	2.07234	0.66724	1.06512	1.35779	2.38641	1.17323	0.67048	0.66724	21.2640892	0.300288468	2.702E-05	0.070335	1.100494	0.162311	1.157591	1.10557601	22.94956
595	489129.49	3861237.55	1.92723	0.70076	1.18794	5.65593	1.78405	0.98859	0.70453	0.70076	19.7751289	0.315373998	3.014E-05	0.292985	0.822715	0.136767	1.216378	1.16111661	21.39826
596	489179.49	3861237.55	1.8944	0.70839	1.21795	10.4407	1.57352	0.95533	0.71215	0.70839	19.4382633	0.318807847	3.09E-05	0.540843	0.725629	0.132165	1.229534	1.17375905	21.21151
597	488804.24	3861251.87	2.06306	0.64028	1.00412	1.17337	2.3394	1.1928	0.64332	0.64028	21.168868	0.288155237	2.547E-05	0.060782	1.078815	0.165018	1.110699	1.06090494	22.81146
598	488854.24	3861251.87	2.04389	0.64909	1.0965	1.31784	2.35527	1.16801	0.65238	0.64909	20.9721664	0.292120139	2.782E-05	0.068266	1.086134	0.161588	1.126341	1.07550257	22.63114
599	488804.24	3861301.87	2.03281	0.61294	1.01868	1.17356	2.28879	1.17408	0.61614	0.61294	20.8584755	0.275850988	2.584E-05	0.060792	1.055476	0.162428	1.063772	1.01560422	22.46122
600	488854.24	3861301.87	2.01686	0.62209	1.10602	1.2762	2.32139	1.15866	0.62546	0.62209	20.6948141	0.279968906	2.806E-05	0.066109	1.07051	0.160295	1.079863	1.03076521	22.32082
601	490943.5	3860181.97	1.19823	1.59951	2.48232	1.7019	1.70316	1.30222	1.26837	1.59951	12.2949273	0.719852537	6.297E-05	0.088161	0.785413	0.180156	2.189854	2.65029058	13.60814
602	490993.5	3860181.97	1.22218	1.71564	2.41247	1.70695	1.68513	1.33337	1.40617	1.71564	12.540676	0.77211634	6.12E-05	0.088422	0.777098	0.184465	2.427767	2.84271091	13.9479
603	491043.5	3860181.97	1.24818	1.83295	2.43877	1.74378	1.71336	1.38458	1.54628	1.83295	12.8074596	0.824911196	6.187E-05	0.09033	0.790117	0.19155	2.669668	3.03708643	14.33701
604	491093.5	3860181.97	1.27649	1.9418	2.41461	1.75079	1.71583	1.49299	1.67775	1.9418	13.0979459	0.873898667	6.125E-05	0.090693	0.791256	0.206548	2.896652	3.21744425	14.73961
605	490943.5	3860231.97	1.14644	1.37586	2.48781	1.68049	1.69646	1.1851	1.09129	1.37586	11.7635149	0.619199825	6.311E-05	0.087052	0.782323	0.163953	1.884123	2.27971616	13.02051
606	490993.5	3860231.97	1.17389	1.50659	2.45887	1.65116	1.67631	1.22203	1.17831	1.50659	12.0451768	0.678034294	6.238E-05	0.085532	0.773031	0.169062	2.034364	2.49632781	13.28894
607	491043.5	3860231.97	1.20314	1.61086	2.3479	1.62282	1.64653	1.24382	1.30071	1.61086	12.3453083	0.724960555	5.956E-05	0.084064	0.759298	0.172076	2.245689	2.66909684	13.66236
608	491093.5	3860231.97	1.23524	1.70196	2.38827	1.63071	1.67263	1.26886	1.41227	1.70196	12.6746835	0.765959715	6.059E-05	0.084473	0.771334	0.175541	2.438298	2.82004399	14.09031
609	490943.5	3860281.97	1.12283	1.16859	2.29732	1.63841	1.6642	1.08491	1.01488	1.16859	11.5212549	0.52591886	5.828E-05	0.084872	0.767446	0.150092	1.752201	1.93628241	12.86556
610	490993.5	3860281.97	1.14093	1.27999	2.39089	1.63002	1.66689	1.11489	1.07853	1.27999	11.7069773	0.576053947	6.065E-05	0.084437	0.768687	0.15424	1.862093	2.12086542	13.03168
611	491043.5	3860281.97	1.16893	1.37908	2.38277	1.5916	1.64292	1.13778	1.13499	1.37908	11.9942827	0.620648972	6.045E-05	0.082447	0.757633	0.157406	1.959572	2.28505151	13.287
612	491093.5	3860281.97	1.19596	1.47443	2.294	1.54257	1.60557	1.15997	1.19208	1.47443	12.271635	0.663560826	5.819E-05	0.079907	0.740409	0.160476	2.058138	2.44304065	13.53114
613	490943.5	3860331.97	1.10052	0.9886	1.99377	1.56426	1.60722	0.99308	0.94731	0.9886	11.292334	0.444915142	5.058E-05	0.081031	0.74117	0.137388	1.63554	1.63804995	12.69438
614	490993.5	3860331.97	1.10234	1.07718	2.1526	1.57667	1.62863	1.01315	0.99026	1.07718	11.3110089	0.484780186	5.461E-05	0.081674	0.751043	0.140164	1.709694	1.78482161	12.6936
615	491043.5	3860331.97	1.11479	1.17059	2.25358	1.56442	1.62867	1.03428	1.0375	1.17059	11.4387572	0.526818952	5.717E-05	0.081039	0.751062	0.143088	1.791254	1.93959628	12.79248
616	491093.5	3860331.97	1.13326	1.26613	2.28392	1.53384	1.60816	1.05622	1.08915	1.26613	11.6282761	0.569816314	5.794E-05	0.079455	0.741604	0.146123	1.880429	2.09790024	12.94786
617	490086.72	3859935.12	1.24401	1.01516	2.996	1.95681	3.7675	1.40162	1.1338	1.01516	12.7646716	0.456868354	7.6E-05	0.101365	1.737384	0.193907	1.957517	1.68205825	15.52973
618	490136.72	3859935.12	1.23673	1.04908	2.90873	1.95827	3.5261	1.44418	1.19146	1.04908	12.6899722	0.472133903	7.379E-05	0.101441	1.626062	0.199795	2.057068	1.73826162	15.40828
619	490186.72	3859935.12	1.23427	1.08586	2.61526	1.95655	3.25272	1.48976	1.23292	1.08586	12.6647304	0.488686583	6.634E-05	0.101352	1.499993	0.206101	2.128649	1.79920384	15.29037
620	490236.72	3859935.12	1.23658	1.11939	2.70997	1.95786	2.9584	1.53895	1.26295	1.11939	12.6884331	0.503776614	6.875E-05	0.10142	1.364267	0.212906	2.180496	1.854761	15.19661
621	490286.72	3859935.12	1.24326	1.24045	2.90692	1.9538	2.64986	1.58883	1.27933	1.24045	12.756976	0.558259142	7.374E-05	0.10121	1.221984	0.219807	2.208776	2.05535005	15.01174
622	490336.72	3859935.12	1.25419	1.38152	2.78025	1.98432	2.34108	1.64157	1.28563	1.38152	12.8691277	0.621747083	7.053E-05	0.102791	1.07959	0.227103	2.219653	2.28909444	14.83099
623	490386.72	3859935.12	1.26943	1.55033	2.83938	2.12228	2.04361	1.70178	1.27657	1.55033	13.0255039	0.697719291	7.203E-05	0.109937	0.942411	0.235433	2.204011	2.56880232	14.64629

624	490436.72	3859935.12	1.28725	1.73777	2.93771	2.22917	1.79404	1.76462	1.27497	1.73777
625	490486.72	3859935.12	1.30705	1.94411	3.19218	2.29378	1.87067	1.83619	1.50007	1.94411
626	490536.72	3859935.12	1.3298	2.19295	3.23212	2.33074	1.92637	1.93807	1.7791	2.19295
627	490586.72	3859935.12	1.37451	2.46653	3.24919	2.39614	1.9547	2.05663	2.08678	2.46653
628	490636.72	3859935.12	1.42135	2.70915	3.23048	2.57981	1.94765	2.17032	2.36456	2.70915
629	490686.72	3859935.12	1.47326	3.05425	3.06753	2.83268	1.92238	2.33071	2.73899	3.05425
630	490736.72	3859935.12	1.52312	3.35929	2.70644	3.09083	1.96805	2.49421	3.07289	3.35929
631	490086.72	3859985.12	1.24342	0.93856	2.37907	1.86268	3.85172	1.26826	1.01324	0.93856
632	490136.72	3859985.12	1.23081	0.96362	2.66227	1.87081	3.64936	1.30108	1.08091	0.96362
633	490186.72	3859985.12	1.22244	0.99767	2.74902	1.87688	3.41477	1.33688	1.13731	0.99767
634	490236.72	3859985.12	1.21854	1.03601	2.52128	1.88596	3.15255	1.37569	1.18149	1.03601
635	490286.72	3859985.12	1.21773	1.05634	2.53083	1.88284	2.86119	1.41492	1.20818	1.05634
636	490336.72	3859985.12	1.22082	1.12793	2.73641	1.87698	2.56074	1.45547	1.2232	1.12793
637	490386.72	3859985.12	1.22706	1.24351	2.62618	1.85635	2.25624	1.49404	1.22058	1.24351
638	490436.72	3859985.12	1.23763	1.38296	2.60689	1.94181	1.96639	1.53851	1.20556	1.38296
639	490486.72	3859985.12	1.25133	1.54515	2.69782	2.058	1.74941	1.58906	1.18028	1.54515
640	490536.72	3859985.12	1.26759	1.73417	3.01511	2.14409	1.82885	1.65126	1.29342	1.73417
641	490586.72	3859985.12	1.28487	1.94564	3.14776	2.19244	1.88314	1.72528	1.52426	1.94564
642	490636.72	3859985.12	1.32936	2.1767	3.08454	2.20696	1.91159	1.8103	1.77698	2.1767
643	490686.72	3859985.12	1.38311	2.45088	3.09994	2.30406	1.91806	1.90304	2.07159	2.45088
644	490736.72	3859985.12	1.43447	2.66325	3.00834	2.42348	1.8845	1.99501	2.29965	2.66325
645	490786.72	3859985.12	1.48299	2.88087	2.75408	2.53541	1.90968	2.09859	2.52568	2.88087
646	490086.72	3860035.12	1.24426	0.87442	2.5659	1.77163	3.89376	1.23648	0.97109	0.87442
647	490136.72	3860035.12	1.22984	0.89619	2.28977	1.79582	3.73935	1.20735	0.96811	0.89619
648	490186.72	3860035.12	1.21788	0.92173	2.42736	1.80755	3.54034	1.21324	1.03358	0.92173
649	490236.72	3860035.12	1.20859	0.94916	2.54579	1.8124	3.30468	1.24362	1.08644	0.94916
650	490286.72	3860035.12	1.20199	0.96981	2.35499	1.81057	3.03753	1.27479	1.12383	0.96981
651	490336.72	3860035.12	1.20008	0.99203	2.36006	1.82146	2.76099	1.31018	1.15381	0.99203
652	490386.72	3860035.12	1.19974	1.02256	2.53451	1.81177	2.46412	1.34233	1.16268	1.02256
653	490436.72	3860035.12	1.20358	1.12678	2.46499	1.80928	2.17363	1.37773	1.16181	1.12678
654	490486.72	3860035.12	1.21104	1.24841	2.40152	1.81522	1.89527	1.41758	1.14935	1.24841
655	490536.72	3860035.12	1.22197	1.3935	2.48322	1.92936	1.70924	1.46468	1.13033	1.3935
656	490586.72	3860035.12	1.23414	1.55227	2.80921	2.02084	1.78651	1.51566	1.10325	1.55227
657	490636.72	3860035.12	1.26049	1.70902	2.96725	2.05622	1.83407	1.5666	1.27272	1.70902
658	490686.72	3860035.12	1.30237	1.8971	2.9866	2.06924	1.86216	1.63624	1.48056	1.8971
659	490736.72	3860035.12	1.34763	2.12791	2.8988	2.11599	1.87158	1.72362	1.7386	2.12791
660	490786.72	3860035.12	1.38715	2.29718	2.8052	2.17777	1.84155	1.79957	1.9479	2.29718
661	490836.72	3860035.12	1.42505	2.45289	2.6806	2.22919	1.85065	1.8828	2.15021	2.45289
662	490086.72	3860085.12	1.24312	0.83344	2.70061	1.7082	3.92472	1.33323	0.96307	0.83344
663	490136.72	3860085.12	1.22653	0.83849	2.14409	1.72559	3.78843	1.25622	0.96131	0.83849
664	490186.72	3860085.12	1.2152	0.86532	2.14578	1.76058	3.64188	1.23626	0.95063	0.86532
665	490236.72	3860085.12	1.20389	0.88637	2.38869	1.77284	3.43861	1.21039	0.9915	0.88637
666	490286.72	3860085.12	1.19451	0.90699	2.34092	1.77977	3.20101	1.18187	1.04113	0.90699
667	490336.72	3860085.12	1.18699	0.91987	2.2152	1.78105	2.93543	1.18897	1.076	0.91987
668	490386.72	3860085.12	1.18253	0.92789	2.18783	1.78361	2.65734	1.21645	1.09907	0.92789
669	490436.72	3860085.12	1.18122	0.93029	2.35848	1.78211	2.37424	1.24549	1.1108	0.93029
670	490486.72	3860085.12	1.18258	1.01701	2.30371	1.7714	2.09282	1.27497	1.10889	1.01701
671	490536.72	3860085.12	1.18807	1.12379	2.21597	1.76877	1.82773	1.31062	1.10052	1.12379
672	490586.72	3860085.12	1.19588	1.24386	2.27623	1.81839	1.66799	1.34917	1.07946	1.24386
673	490636.72	3860085.12	1.20433	1.37049	2.58627	1.90465	1.74165	1.3879	1.04832	1.37049
674	490686.72	3860085.12	1.22776	1.51599	2.80618	1.95712	1.79422	1.43532	1.11538	1.51599
675	490736.72	3860085.12	1.26139	1.67788	2.89568	1.9763	1.82287	1.49095	1.30059	1.67788
676	490786.72	3860085.12	1.29631	1.84658	2.83778	1.96463	1.82578	1.55173	1.49579	1.84658
677	490836.72	3860085.12	1.3289	1.99555	2.61903	1.94969	1.79754	1.607	1.6683	1.99555
678	490086.72	3860135.12	1.22604	0.76566	2.36883	1.59597	3.83636	1.27792	0.93738	0.76566
679	490136.72	3860135.12	1.216	0.7858	2.33974	1.65761	3.79095	1.27277	0.94483	0.7858
680	490186.72	3860135.12	1.20625	0.80811	1.78389	1.70674	3.68973	1.26025	0.94505	0.80811

13.2083533	0.78207585	7.452E-05	0.115474	0.827322	0.244127	2.201249	2.87937897	14.4993
13.4115192	0.874938272	8.098E-05	0.118821	0.86266	0.254028	2.589886	3.22127178	14.89066
13.6449549	0.986927635	8.199E-05	0.120736	0.888346	0.268123	3.071634	3.63358449	15.34722
14.1037201	1.110051127	8.242E-05	0.124123	0.901411	0.284525	3.602847	4.08688988	16.03987
14.584341	1.219241205	8.195E-05	0.133638	0.898159	0.300253	4.082437	4.48889643	16.72925
15.1169847	1.374551963	7.782E-05	0.146737	0.886506	0.322442	4.728894	5.0607061	17.51549
15.6285935	1.511833892	6.866E-05	0.160109	0.907567	0.345062	5.305376	5.56613879	18.29247
12.7586177	0.422394857	6.035E-05	0.096489	1.776222	0.175458	1.749369	1.55513672	15.42347
12.6292277	0.433673001	6.754E-05	0.096911	1.682904	0.179998	1.866202	1.59665961	15.29232
12.5433439	0.448997056	6.974E-05	0.097225	1.574722	0.184951	1.963577	1.65307838	15.15981
12.5033263	0.466251806	6.396E-05	0.097695	1.4538	0.19032	2.039854	1.71660543	15.03471
12.495015	0.475401235	6.42E-05	0.097534	1.319439	0.195747	2.085935	1.750291	14.91884
12.5267212	0.507620004	6.942E-05	0.09723	1.180886	0.201357	2.111867	1.86891126	14.75684
12.5907492	0.559636281	6.662E-05	0.096162	1.040466	0.206693	2.107344	2.06042028	14.5407
12.699207	0.622395149	6.613E-05	0.100588	0.906801	0.212845	2.081412	2.29148043	14.33183
12.8397815	0.695388055	6.844E-05	0.106607	0.806741	0.219839	2.037765	2.56021937	14.14597
13.0066238	0.780455686	7.649E-05	0.111067	0.843375	0.228444	2.233103	2.87341399	14.32973
13.1839323	0.875626842	7.985E-05	0.113571	0.868411	0.238684	2.63165	3.2238069	14.68815
13.6404401	0.979614393	7.825E-05	0.114324	0.88153	0.250446	3.067974	3.60665923	15.32775
14.1919639	1.103007912	7.864E-05	0.119354	0.884514	0.263276	3.576621	4.06095878	16.07786
14.7189641	1.19858411	7.632E-05	0.12554	0.869038	0.276	3.970369	4.41284293	16.74573
15.2168233	1.296523047	6.987E-05	0.131338	0.88065	0.29033	4.360612	4.773426	17.40292
12.7672369	0.393528928	6.509E-05	0.091773	1.795609	0.171061	1.676597	1.44886065	15.44701
12.6192746	0.403326422	5.809E-05	0.093026	1.724403	0.167031	1.671452	1.48493221	15.19364
12.4965541	0.414820588	6.158E-05	0.093634	1.632629	0.167846	1.784486	1.52725043	15.06278
12.4012303	0.427165341	6.458E-05	0.093885	1.523954	0.172049	1.87575	1.57270027	14.9214
12.3335083	0.436458784	5.974E-05	0.09379	1.400758	0.176361	1.940304	1.60691606	14.77432
12.31391	0.446458798	5.987E-05	0.094354	1.273232	0.181257	1.992065	1.64373325	14.6576
12.3104213	0.460198692	6.43E-05	0.093852	1.13633	0.185705	2.007379	1.6943196	14.49963
12.3498231	0.507102451	6.253E-05	0.093723	1.00237	0.190602	2.005877	1.86700578	14.28255
12.4263695	0.561841505	6.092E-05	0.094031	0.874004	0.196115	1.984364	2.06853928	14.06825
12.5385212	0.62713863	6.299E-05	0.099944	0.788217	0.202631	1.951526	2.30894457	13.8991
12.6633965	0.69859238	7.126E-05	0.104682	0.82385	0.209684	1.904772	2.57201678	13.83303
12.9337714	0.769137037	7.527E-05	0.106515	0.845782	0.216731	2.197364	2.83174198	14.23763
13.3634982	0.853781626	7.576E-05	0.10719	0.858736	0.226366	2.556202	3.14337907	14.82247
13.8279069	0.957656665	7.354E-05	0.109611	0.86308	0.238454	3.001711	3.52581718	15.47268
14.2334179	1.033835894	7.116E-05	0.112812	0.849231	0.248962	3.363069	3.80628725	16.03511
14.6223063	1.103912504	6.8E-05	0.115475	0.853428	0.260476	3.712359	4.06428923	16.60374
12.7555394	0.375086057	6.851E-05	0.088487	1.809886	0.184446	1.66275	1.38095928	15.4953
12.585311	0.377358787	5.439E-05	0.089388	1.747036	0.173792	1.659711	1.38932682	15.24332
12.4690549	0.389433512	5.443E-05	0.091201	1.679454	0.171031	1.641272	1.4337825	15.00772
12.353004	0.398906974	6.06E-05	0.091836	1.585716	0.167452	1.711835	1.46866107	14.84015
12.2567567	0.408186915	5.938E-05	0.092195	1.476147	0.163506	1.797521	1.50282715	14.69154
12.1795947	0.413983503	5.619E-05	0.092261	1.353675	0.164488	1.857725	1.52416852	14.53761
12.133831	0.417592869	5.55E-05	0.092393	1.225433	0.16829	1.897555	1.53745718	14.39769
12.1203892	0.418672979	5.983E-05	0.092316	1.094882	0.172307	1.917807	1.54143383	14.275
12.1343441	0.457700939	5.844E-05	0.091761	0.965105	0.176386	1.91451	1.68512358	14.05474
12.1906765	0.505756815	5.621E-05	0.091625	0.842858	0.181318	1.900059	1.86205154	13.8503
12.2708142	0.559793797	5.774E-05	0.094195	0.769194	0.186651	1.863699	2.06100021	13.6834
12.3575188	0.616783079	6.561E-05	0.098664	0.803163	0.192009	1.809935	2.2708184	13.60732
12.5979319	0.682264723	7.119E-05	0.101382	0.827405	0.19857	1.925715	2.51190303	13.82144
12.9430062	0.755122616	7.346E-05	0.102375	0.840617	0.206266	2.245482	2.7801449	14.3128
13.3013171	0.831045319	7.199E-05	0.101771	0.841959	0.214674	2.582497	3.05967051	14.81366
13.6357201	0.898088621	6.644E-05	0.100997	0.828936	0.222321	2.880337	3.30650472	15.25996
12.5802831	0.344581962	6.009E-05	0.082673	1.769139	0.176794	1.618396	1.26865195	15.30328
12.4772636	0.353645881	5.935E-05	0.085867	1.748198	0.176082	1.631259	1.30202271	15.17035
12.3772198	0.3636864	4.525E-05	0.088412	1.70152	0.174349	1.631638	1.33898902	14.99788

681	490236.72	3860135.12	1.19565	0.82543	1.94576	1.73132	3.5269	1.23868	0.94221	0.82543	12.2684541	0.371481191	4.936E-05	0.089685	1.626431	0.171365	1.626735	1.3676872	14.78651
682	490286.72	3860135.12	1.18632	0.84575	2.26897	1.74832	3.32737	1.2126	0.94813	0.84575	12.1727199	0.380626119	5.756E-05	0.090565	1.534418	0.167757	1.636956	1.4013562	14.58174
683	490336.72	3860135.12	1.17807	0.86361	2.12365	1.75526	3.09391	1.18201	0.99622	0.86361	12.0880674	0.388663934	5.387E-05	0.090925	1.426758	0.163525	1.719984	1.43094913	14.44703
684	490386.72	3860135.12	1.171	0.87366	2.07295	1.75032	2.8345	1.1477	1.03047	0.87366	12.0155228	0.393186893	5.259E-05	0.090669	1.307131	0.158779	1.779117	1.44760137	14.29686
685	490436.72	3860135.12	1.1657	0.87761	2.03924	1.73409	2.56083	1.13114	1.05157	0.87761	11.96114	0.394964574	5.173E-05	0.089828	1.180928	0.156488	1.815546	1.45414628	14.1448
686	490486.72	3860135.12	1.16342	0.88455	2.1954	1.71376	2.28719	1.15555	1.06336	0.88455	11.9377451	0.39808789	5.569E-05	0.088775	1.054738	0.159865	1.835902	1.46564544	14.00952
687	490536.72	3860135.12	1.16456	0.91675	2.16969	1.69528	2.0217	1.18392	1.06712	0.91675	11.9494425	0.412579361	5.504E-05	0.087818	0.932308	0.16379	1.842393	1.51899888	13.86939
688	490586.72	3860135.12	1.16763	1.00819	2.1037	1.67124	1.76349	1.21243	1.05632	1.00819	11.9809435	0.453731536	5.337E-05	0.086573	0.813234	0.167734	1.823747	1.67050938	13.65551
689	490636.72	3860135.12	1.17266	1.11173	2.08937	1.71987	1.62766	1.24213	1.03562	1.11173	12.0325559	0.500329264	5.3E-05	0.089092	0.750596	0.171843	1.788008	1.84206885	13.49041
690	490686.72	3860135.12	1.17891	1.22718	2.38471	1.80828	1.70022	1.27332	1.00822	1.22718	12.0966865	0.552287036	6.049E-05	0.093671	0.784057	0.176158	1.740702	2.03336246	13.41026
691	490736.72	3860135.12	1.18626	1.35749	2.61534	1.86054	1.75147	1.30988	1.01573	1.35749	12.1721042	0.610932486	6.635E-05	0.096379	0.807691	0.181215	1.753668	2.24927819	13.37278
692	490786.72	3860135.12	1.20934	1.50644	2.74987	1.88193	1.78069	1.35476	1.12137	1.50644	12.408926	0.677966787	6.976E-05	0.097487	0.821166	0.187424	1.936057	2.49607926	13.63302
693	490836.72	3860135.12	1.2337	1.64149	2.72632	1.85788	1.77955	1.39303	1.26914	1.64149	12.6588817	0.738745454	6.916E-05	0.096241	0.82064	0.192719	2.191183	2.71984888	13.97863
694	490086.72	3860185.12	1.20547	0.72015	2.15343	1.51927	3.74392	1.24672	0.87417	0.72015	12.3692163	0.324100384	5.463E-05	0.0787	1.72651	0.172478	1.509263	1.19324466	14.98708
695	490136.72	3860185.12	1.1986	0.74102	2.32618	1.5949	3.75518	1.25353	0.89685	0.74102	12.2987238	0.333492837	5.901E-05	0.082618	1.731703	0.17342	1.548421	1.22782498	14.94061
696	490186.72	3860185.12	1.19109	0.76027	2.0096	1.6535	3.70111	1.25069	0.91167	0.76027	12.2216644	0.342156216	5.098E-05	0.085654	1.706768	0.173027	1.574007	1.25972105	14.84361
697	490236.72	3860185.12	1.1826	0.7759	1.71026	1.68778	3.58448	1.23837	0.92064	0.7759	12.1345493	0.349190429	4.339E-05	0.087429	1.652984	0.171322	1.589494	1.28561901	14.69939
698	490286.72	3860185.12	1.17438	0.79209	1.94078	1.7051	3.42094	1.21952	0.92491	0.79209	12.0502046	0.356476668	4.923E-05	0.088327	1.577568	0.168715	1.596866	1.31244485	14.52576
699	490336.72	3860185.12	1.16651	0.81665	2.12556	1.70648	3.21899	1.19551	0.92659	0.81665	11.9694513	0.36752979	5.392E-05	0.088398	1.484438	0.165393	1.599767	1.35313928	14.32189
700	490386.72	3860185.12	1.15941	0.84061	1.91572	1.69631	2.98712	1.16808	0.95331	0.84061	11.8965989	0.378312884	4.86E-05	0.087871	1.377511	0.161598	1.645899	1.39283954	14.155
701	490436.72	3860185.12	1.15336	0.86089	1.93447	1.67717	2.73531	1.13884	0.98768	0.86089	11.8345204	0.38743981	4.907E-05	0.08688	1.261389	0.157553	1.70524	1.42644226	14.00663
702	490486.72	3860185.12	1.14882	0.87656	1.91149	1.65015	2.47156	1.10904	1.01004	0.87656	11.7879358	0.394492026	4.849E-05	0.08548	1.139761	0.15343	1.743844	1.45240649	13.85259
703	490536.72	3860185.12	1.14655	0.88481	2.05934	1.62393	2.20863	1.08208	1.02306	0.88481	11.7646436	0.398204902	5.224E-05	0.084122	1.018511	0.1497	1.766323	1.46607624	13.71548
704	490586.72	3860185.12	1.14706	0.88768	2.04069	1.6042	1.95252	1.10378	1.02827	0.88768	11.7698766	0.399496533	5.177E-05	0.0831	0.900405	0.152703	1.775319	1.47083166	13.61012
705	490636.72	3860185.12	1.14826	0.91892	2.00214	1.57717	1.70026	1.12636	1.01726	0.91892	11.7821897	0.41355596	5.079E-05	0.0817	0.784076	0.155826	1.75631	1.52259443	13.45111
706	490686.72	3860185.12	1.15206	1.01472	1.93054	1.63729	1.59021	1.15342	1.0001	1.01472	11.8211812	0.456670334	4.897E-05	0.084814	0.733326	0.15957	1.726683	1.68132919	13.30096
707	490736.72	3860185.12	1.15601	1.11421	2.19737	1.72157	1.65986	1.17748	0.9707	1.11421	11.8617118	0.501445377	5.574E-05	0.08918	0.765445	0.162899	1.675923	1.84617806	13.21048
708	490786.72	3860185.12	1.16166	1.22887	2.43195	1.77491	1.71088	1.20845	0.99847	1.22887	11.9196859	0.553047613	6.169E-05	0.091943	0.788973	0.167183	1.723869	2.03616269	13.2086
709	490836.72	3860185.12	1.16688	1.34934	2.57893	1.78954	1.73704	1.24063	1.05463	1.34934	11.9732478	0.607264614	6.542E-05	0.092701	0.801037	0.171635	1.820829	2.23577414	13.23101
710	490086.72	3860235.12	1.1831	0.68431	2.0098	1.45378	3.62855	1.19041	0.85117	0.68431	12.1396798	0.307970747	5.098E-05	0.075308	1.673307	0.164687	1.469554	1.13385996	14.6967
711	490136.72	3860235.12	1.17688	0.70002	2.1431	1.52474	3.679	1.20744	0.83984	0.70002	12.0758569	0.315040964	5.437E-05	0.078984	1.696572	0.167043	1.449992	1.15989047	14.62365
712	490186.72	3860235.12	1.1709	0.7166	2.12759	1.58527	3.67264	1.21693	0.84518	0.7166	12.0144967	0.322502721	5.397E-05	0.082119	1.693639	0.168356	1.459212	1.18736252	14.55302
713	490236.72	3860235.12	1.16438	0.73091	1.64873	1.62495	3.60435	1.21798	0.86759	0.73091	11.9475956	0.328942875	4.182E-05	0.084175	1.662147	0.168502	1.497903	1.21107332	14.47823
714	490286.72	3860235.12	1.15777	0.74426	1.60667	1.64455	3.48297	1.21197	0.88445	0.74426	11.879771	0.334950984	4.076E-05	0.08519	1.606173	0.16767	1.527012	1.23319346	14.36761
715	490336.72	3860235.12	1.15146	0.76404	1.90593	1.64826	3.3189	1.20039	0.89697	0.76404	11.8150246	0.343852888	4.835E-05	0.085382	1.530512	0.166068	1.548628	1.26596771	14.22355
716	490386.72	3860235.12	1.14536	0.79775	1.98289	1.63871	3.1182	1.18385	0.90707	0.79775	11.7524331	0.359023927	5.03E-05	0.084887	1.437959	0.16378	1.566066	1.32182313	14.04238
717	490436.72	3860235.12	1.13997	0.82762	1.74096	1.62268	2.89164	1.16417	0.91691	0.82762	11.6971268	0.372466791	4.416E-05	0.084057	1.333481	0.161057	1.583054	1.3713159	13.85997
718	490486.72	3860235.12	1.13489	0.85352	1.81403	1.5981	2.64383	1.14091	0.94979	0.85352	11.6450014	0.384122974	4.602E-05	0.082784	1.219203	0.157839	1.639822	1.41423062	13.71459
719	490536.72	3860235.12	1.13143	0.87328	1.80257	1.57577	2.38983	1.11759	0.97373	0.87328	11.6094987	0.393015876	4.573E-05	0.081627	1.102071	0.154613	1.681155	1.44697173	13.57505
720	490586.72	3860235.12	1.1296	0.88478	1.93944	1.5548	2.13516	1.09475	0.9885	0.88478	11.5907212	0.398191401	4.92E-05	0.080541	0.98463	0.151453	1.706655	1.46602653	13.44621
721	490636.72	3860235.12	1.12904	0.88983	1.91413	1.53433	1.88365	1.07275	0.99201	0.88983	11.5849751	0.400464132	4.856E-05	0.07948	0.868646	0.14841	1.712715	1.47439408	13.32035
722	490686.72	3860235.12	1.13019	0.89208	1.9103	1.52013	1.64273	1.05562	0.98463	0.89208	11.5967751	0.401476734	4.846E-05	0.078745	0.757546	0.14604	1.699974	1.47812219	13.20248
723	490736.72	3860235.12	1.13239	0.92933	1.81075	1.56126	1.55309	1.07811	0.96585	0.92933	11.6193491	0.418240935	4.593E-05	0.080875	0.716208	0.149151	1.66755	1.53984317	13.11158
724	490786.72	3860235.12	1.1355	1.02241	2.03292	1.64591	1.62277	1.10115	0.94064	1.02241	11.6512606	0.460131185	5.157E-05	0.08526	0.748341	0.152339	1.624024	1.69407106	13.02734
725	490086.72	3860285.12	1.16162	0.64997	1.84146	1.38066	3.5078	1.11992	0.83005	0.64997	11.9192755	0.292516179	4.671E-05	0.07152	1.617623	0.154935	1.43309	1.07696068	14.41205
726	490136.72	3860285.12	1.15567	0.6636	1.98524	1.4469	3.57259	1.14755	0.81906	0.6636	11.8582231	0.298650301	5.036E-05	0.074951	1.647501	0.158758	1.414115	1.09954475	14.3527
727	490186.72	3860285.12	1.14952	0.67571	2.08862	1.50201	3.60681	1.16844	0.80546	0.67571	11.7951185	0.304100354	5.298E-05	0.077806	1.663282	0.161648	1.390635	1.11961029	14.27303
728	490236.72	3860285.12	1.14411	0.68936	1.85275	1.54794	3.58946	1.1835	0.79467	0.68936	11.739607	0.310243478	4.7E-05	0.080185	1.655281	0.163731	1.372006	1.1422275	14.17887
729	490286.72	3860285.12	1.13811	0.69906	1.38188	1.57191	3.50993	1.19052	0.81147	0.69906	11.6780415	0.314608921	3.506E-05	0.081427	1.618605	0.164703	1.401011	1.15829981	14.10013
730	490336.72	3860285.12	1.13261	0.70915	1.54985	1.58195	3.38401	1.19127	0.83573	0.70915	11.6216065	0.319149881	3.932E-05	0.081947	1.560537	0.164806	1.442896	1.17501833	14.01596
731	490386.72	3860285.12	1.12797	0.72605	1.84532	1.58378	3.22176	1.18707	0.85666	0.72605	11.5739959	0.326755653	4.681E-05	0.082042	1.485716	0.164225	1.479032	1.2030206	13.90879
732	490436.72	3860285.12	1.12321	0.76719	1.84123	1.57326	3.02189	1.17678	0.87553	0.76719	11.525154	0.345270532	4.671E-05	0.081497	1.393546	0.162802	1.511611	1.27118707	13.74874
733	490486.72	3860285.12	1.11909	0.80455	1.60067	1.55882	2.79852	1.16228	0.89243	0.80455	11.4828791	0.362084237	4.061E-05	0.080749	1.290539	0.160796	1.540789	1.33309031	13.58479
734	490536.72	3860285.12	1.11517	0.83796	1.7028	1.53751	2.55608	1.14331	0.91505	0.83796	11.4426563	0.377120263	4.32E-05	0.079645	1.178737	0.158171	1.579843	1.38844865	13.42777
735	490586.72	3860285.12	1.11234	0.86301	1.69558	1.51611	2.30757	1.12254	0.93893	0.86301	11.4136179	0.388393907	4.301E-05	0.078537	1.064137	0.155298	1.621072	1.42995497	13.29114
736	490636.72	3860285.12	1.11086	0.87959	1.81946	1.49654	2.06008	1.10135	0.95361	0.87959	11.3984318	0.395855664	4.616E-05	0.077523	0.950007	0.152366	1.646417	1.45742702	13.16322
737	490686.72	3860285.12	1.11089	0.88963	1.79959	1.48072	1.81841	1.08072	0.95862	0.88963	11.3987396	0.400374122	4.565E-05	0.076703	0.83856	0.149512	1.655067	1.47406269	13.04494

738	490736.72	3860285.12	1.1116	0.89545	1.81375	1.46508	1.5852	1.05995	0.95185	0.89545
739	490786.72	3860285.12	1.11369	0.89977	1.70429	1.49369	1.51814	1.04212	0.93826	0.89977
740	490086.72	3860335.12	1.1437	0.61685	1.67758	1.30188	3.71539	1.04555	0.8088	0.61685
741	490136.72	3860335.12	1.13755	0.62882	1.89326	1.36305	3.43586	1.08056	0.80009	0.62882
742	490186.72	3860335.12	1.13085	0.63836	1.93817	1.41588	3.51139	1.11029	0.78706	0.63836
743	490236.72	3860335.12	1.12512	0.65023	1.93171	1.46586	3.53918	1.13567	0.77621	0.65023
744	490286.72	3860335.12	1.11891	0.6589	1.55694	1.49881	3.50405	1.15377	0.7631	0.6589
745	490336.72	3860335.12	1.11328	0.668	1.33124	1.51917	3.41837	1.16547	0.7522	0.668
746	490386.72	3860335.12	1.10855	0.67893	1.56473	1.52976	3.29098	1.17124	0.77459	0.67893
747	490436.72	3860335.12	1.10436	0.6899	1.76277	1.53013	3.12536	1.1708	0.80298	0.6899
748	490486.72	3860335.12	1.10055	0.7236	1.70168	1.52146	2.92771	1.16427	0.83024	0.7236
749	490536.72	3860335.12	1.0977	0.76879	1.52941	1.51039	2.70997	1.15355	0.85557	0.76879
750	490586.72	3860335.12	1.09473	0.80931	1.60207	1.48898	2.47298	1.13686	0.88406	0.80931
751	490636.72	3860335.12	1.0929	0.84187	1.60423	1.46801	2.23207	1.11771	0.90842	0.84187
752	490686.72	3860335.12	1.09203	0.8664	1.71768	1.44623	1.99153	1.09616	0.92321	0.8664
753	490736.72	3860335.12	1.09211	0.88355	1.69535	1.42542	1.75637	1.07302	0.92871	0.88355
754	490786.72	3860335.12	1.09383	0.89705	1.73289	1.41516	1.53444	1.05156	0.92857	0.89705
755	490086.72	3860385.12	1.12953	0.6744	1.53566	1.22588	3.91156	1.06507	0.78914	0.6744
756	490136.72	3860385.12	1.12335	0.65698	1.78377	1.28268	3.53049	1.03387	0.78307	0.65698
757	490186.72	3860385.12	1.11582	0.64575	1.84458	1.33234	3.38477	1.044	0.77053	0.64575
758	490236.72	3860385.12	1.10914	0.63453	1.88617	1.3838	3.45095	1.07514	0.75904	0.63453
759	490286.72	3860385.12	1.10229	0.62744	1.69808	1.42551	3.4605	1.10091	0.74592	0.62744
760	490336.72	3860385.12	1.09604	0.63315	1.38388	1.4576	3.41888	1.12112	0.73444	0.63315
761	490386.72	3860385.12	1.09043	0.64356	1.26339	1.47734	3.32948	1.13507	0.72469	0.64356
762	490436.72	3860385.12	1.08571	0.6549	1.54976	1.48631	3.19885	1.14291	0.71818	0.6549
763	490486.72	3860385.12	1.08203	0.66677	1.67495	1.48709	3.03514	1.1451	0.73665	0.66677
764	490536.72	3860385.12	1.07886	0.67635	1.57564	1.47797	2.84055	1.14079	0.78103	0.67635
765	490586.72	3860385.12	1.0763	0.71752	1.45918	1.4617	2.62458	1.13083	0.82266	0.71752
766	490636.72	3860385.12	1.07413	0.76561	1.5106	1.43797	2.39395	1.11532	0.85517	0.76561
767	490686.72	3860385.12	1.07321	0.80705	1.52273	1.41483	2.1608	1.09703	0.88069	0.80705
768	490736.72	3860385.12	1.07249	0.83983	1.62313	1.38435	1.92509	1.07417	0.89571	0.83983
769	490786.72	3860385.12	1.07293	0.86568	1.60604	1.35668	1.69727	1.05052	0.90316	0.86568
770	490136.72	3860435.12	1.11064	0.74664	1.66159	1.20577	3.71843	1.05922	0.76428	0.74664
771	490186.72	3860435.12	1.10411	0.72649	1.79436	1.25896	3.34289	1.0326	0.75622	0.72649
772	490236.72	3860435.12	1.09694	0.70888	1.75756	1.3097	3.33691	1.0061	0.74495	0.70888
773	490286.72	3860435.12	1.08952	0.6939	1.74472	1.35575	3.38648	1.0353	0.73275	0.6939
774	490336.72	3860435.12	1.08203	0.68283	1.47705	1.39229	3.3825	1.05981	0.71965	0.68283
775	490386.72	3860435.12	1.07554	0.67165	1.24778	1.42116	3.33524	1.08011	0.70968	0.67165
776	490436.72	3860435.12	1.06972	0.66206	1.26833	1.43754	3.24207	1.09476	0.70226	0.66206
777	490486.72	3860435.12	1.0648	0.65458	1.51561	1.44216	3.10993	1.10357	0.698	0.65458
778	490536.72	3860435.12	1.06097	0.64798	1.58009	1.43782	2.9459	1.10705	0.70785	0.64798
779	490586.72	3860435.12	1.05765	0.65705	1.45184	1.42166	2.75234	1.10403	0.75437	0.65705
780	490636.72	3860435.12	1.05505	0.66948	1.38684	1.3968	2.53914	1.09528	0.7943	0.66948
781	490686.72	3860435.12	1.05361	0.70657	1.42423	1.36792	2.31656	1.08291	0.82816	0.70657
782	490736.72	3860435.12	1.05324	0.75599	1.44541	1.33546	2.09072	1.06768	0.85538	0.75599
783	490786.72	3860435.12	1.05296	0.79967	1.53863	1.2922	1.86246	1.04785	0.87188	0.79967
784	490136.72	3860485.12	1.09928	0.85053	1.55776	1.14359	3.90579	1.06448	0.85071	0.85053
785	490186.72	3860485.12	1.09323	0.83127	1.72276	1.19197	3.53802	1.05077	0.83079	0.83127
786	490236.72	3860485.12	1.08626	0.81288	1.74065	1.23923	3.19675	1.02847	0.81188	0.81288
787	490286.72	3860485.12	1.0794	0.79157	1.70613	1.2875	3.28523	0.99886	0.79013	0.79157
788	490336.72	3860485.12	1.07168	0.77426	1.5571	1.32691	3.32027	0.98879	0.77218	0.77426
789	490386.72	3860485.12	1.06456	0.75445	1.38048	1.36044	3.31267	1.01297	0.7531	0.75445
790	490436.72	3860485.12	1.0583	0.73427	1.11089	1.38549	3.2633	1.03397	0.73376	0.73427
791	490486.72	3860485.12	1.05174	0.72079	1.28812	1.39174	3.1626	1.04853	0.72073	0.72079
792	490536.72	3860485.12	1.04598	0.70826	1.46904	1.3847	3.02454	1.05797	0.70925	0.70826
793	490586.72	3860485.12	1.04129	0.69474	1.48101	1.36662	2.85681	1.06236	0.69343	0.69474
794	490636.72	3860485.12	1.03807	0.6854	1.33926	1.34111	2.66856	1.06297	0.73012	0.6854

11.4060249	0.402993388	4.601E-05	0.075893	0.731016	0.146639	1.643379	1.48370607	12.92228
11.4274702	0.404937585	4.323E-05	0.077375	0.700091	0.144172	1.619915	1.49086405	12.88314
11.7354	0.277610667	4.256E-05	0.067439	1.713353	0.144647	1.396401	1.02208285	14.31281
11.6722954	0.282997713	4.803E-05	0.070608	1.584448	0.14949	1.381363	1.04191641	14.09933
11.6035473	0.287291149	4.917E-05	0.073345	1.619279	0.153603	1.358867	1.05772361	14.03826
11.5447523	0.292633191	4.9E-05	0.075934	1.632094	0.157114	1.340134	1.07739148	13.96532
11.4810321	0.296535087	3.95E-05	0.07764	1.615894	0.159618	1.3175	1.09175714	13.8565
11.4232632	0.300630502	3.377E-05	0.078695	1.576383	0.161237	1.298681	1.10683529	13.73209
11.3747291	0.305549501	3.969E-05	0.079244	1.517637	0.162035	1.337337	1.12494563	13.65163
11.3317359	0.310486502	4.472E-05	0.079263	1.441261	0.161974	1.386353	1.14312225	13.568
11.2926418	0.325653041	4.317E-05	0.078814	1.350115	0.161071	1.433418	1.1989611	13.44279
11.2633982	0.345990605	3.88E-05	0.07824	1.249704	0.159588	1.47715	1.27383817	13.30027
11.2329234	0.364226455	4.064E-05	0.077131	1.140416	0.157279	1.526339	1.34097734	13.15738
11.2141459	0.378879942	4.07E-05	0.076045	1.02932	0.15463	1.568396	1.39492728	13.02653
11.2052189	0.389919562	4.357E-05	0.074917	0.918395	0.151648	1.593931	1.43557199	12.8985
11.2060398	0.397637845	4.301E-05	0.073839	0.809951	0.148447	1.603427	1.4639885	12.7754
11.2236885	0.403713461	4.396E-05	0.073307	0.707608	0.145478	1.603186	1.48635718	12.67067
11.5900029	0.303510795	3.896E-05	0.063502	1.803817	0.147347	1.362458	1.1174397	14.15324
11.5265905	0.295670999	4.525E-05	0.066445	1.628087	0.143031	1.351978	1.08857582	13.92327
11.4493259	0.290616986	4.679E-05	0.069017	1.560888	0.144432	1.330328	1.06996839	13.77469
11.380783	0.285567474	4.785E-05	0.071683	1.591407	0.14874	1.31049	1.05137754	13.73734
11.3104958	0.28237665	4.308E-05	0.073843	1.595811	0.152306	1.287838	1.03962984	13.66308
11.2463651	0.284946411	3.511E-05	0.075506	1.576618	0.155101	1.268018	1.04909096	13.5575
11.1888014	0.289631386	3.205E-05	0.076528	1.535391	0.157031	1.251185	1.0663397	13.43226
11.14037	0.294734904	3.931E-05	0.076993	1.475151	0.158116	1.239945	1.08512938	13.30022
11.1026098	0.300076946	4.249E-05	0.077033	1.399656	0.158419	1.271834	1.10479725	13.20487
11.0700827	0.304388384	3.997E-05	0.076561	1.309921	0.157823	1.348456	1.12067073	13.1466
11.0438148	0.322916763	3.702E-05	0.075718	1.210326	0.156445	1.420331	1.18888691	13.0407
11.0215487	0.344559459	3.832E-05	0.074489	1.103971	0.154299	1.47646	1.26856911	12.9068
11.0121086	0.363209352	3.863E-05	0.07329	0.996454	0.151769	1.52052	1.33723266	12.78016
11.0047208	0.377961848	4.118E-05	0.071711	0.887756	0.148606	1.546452	1.39154712	12.6457
11.0092356	0.389595529	4.074E-05	0.070278	0.782697	0.145334	1.559315	1.434379	12.52212
11.3961744	0.336022093	4.215E-05	0.062461	1.714755	0.146538	1.319537	1.23713697	13.73839
11.3291707	0.326953673	4.552E-05	0.065216	1.541575	0.142855	1.305621	1.20374965	13.50769
11.2556	0.319028369	4.459E-05	0.067844	1.538817	0.139189	1.286164	1.17457095	13.43212
11.179464	0.312286685	4.426E-05	0.07023	1.561676	0.143229	1.2651	1.14975001	13.38228
11.1026098	0.307304679	3.747E-05	0.072123	1.559841	0.14662	1.242483	1.13140769	13.29961
11.0360165	0.302273169	3.165E-05	0.073618	1.538047	0.149428	1.22527	1.11288311	13.2118
10.9762981	0.297957231	3.217E-05	0.074467	1.495082	0.151455	1.212459	1.09699307	13.11076
10.9258144	0.294590889	3.845E-05	0.074706	1.434145	0.152674	1.205104	1.08459916	13.00247
10.8865151	0.291620588	4.008E-05	0.074481	1.358503	0.153155	1.22211	1.07366337	12.91276
10.8524489	0.295702502	3.683E-05	0.073644	1.269243	0.152737	1.302427	1.0886918	12.85755
10.8257705	0.30129657	3.518E-05	0.072356	1.170925	0.151527	1.371367	1.10928756	12.78399
10.8109948	0.317988763	3.613E-05	0.07086	1.068282	0.149815	1.429827	1.17074343	12.67706
10.8071983	0.34023002	3.667E-05	0.069179	0.964136	0.147708	1.476822	1.25262935	12.55268
10.8043252	0.359888015	3.903E-05	0.066938	0.858874	0.144965	1.50531	1.32500445	12.41533
11.2796105	0.382777337	3.952E-05	0.05924	1.801156	0.147266	1.468759	1.40927637	13.72957
11.217532	0.374109458	4.37E-05	0.061746	1.631559	0.145369	1.434367	1.37736373	13.48736
11.1460135	0.365833118	4.416E-05	0.064194	1.474182	0.142284	1.401719	1.34689262	13.24738
11.0756236	0.356242645	4.328E-05	0.066694	1.514985	0.138187	1.364167	1.31158324	13.20436
10.9964094	0.348452354	3.95E-05	0.068736	1.531144	0.136794	1.333177	1.28290163	13.13185
10.9233518	0.33953695	3.502E-05	0.070473	1.527639	0.140139	1.300235	1.25007767	13.05133
10.8591185	0.330455028	2.818E-05	0.07177	1.504872	0.143045	1.266844	1.21664064	12.95949
10.7918069	0.324388413	3.268E-05	0.072094	1.458434	0.145059	1.244348	1.1943051	12.84186
10.7327041	0.318749341	3.727E-05	0.071729	1.394768	0.146365	1.224527	1.17354365	12.71534
10.6845804	0.312664723	3.757E-05	0.070793	1.317419	0.146972	1.197214	1.15114184	12.57854
10.6515403	0.308461297	3.397E-05	0.069471	1.230607	0.147057	1.26056	1.13566603	12.53206

795	490686.72	3860485.12	1.03522	0.67603	1.32061	1.30106	2.45863	1.0574	0.76961	0.67603
796	490736.72	3860485.12	1.03389	0.68689	1.3449	1.25571	2.24228	1.04904	0.80417	0.68689
797	490786.72	3860485.12	1.03329	0.71136	1.37064	1.20073	2.02105	1.03661	0.83067	0.71136
798	490136.72	3860535.12	1.08632	0.94803	1.45834	1.08445	4.07145	1.04802	0.94868	0.94803
799	490186.72	3860535.12	1.0826	0.93171	1.65406	1.13489	3.73563	1.04833	0.93119	0.93171
800	490236.72	3860535.12	1.07574	0.92253	1.71563	1.17321	3.35851	1.03839	0.92194	0.92253
801	490286.72	3860535.12	1.06927	0.90722	1.6454	1.21523	3.15543	1.02099	0.90601	0.90722
802	490336.72	3860535.12	1.06273	0.88751	1.58831	1.25606	3.23083	0.99627	0.88656	0.88751
803	490386.72	3860535.12	1.0562	0.86422	1.44719	1.29197	3.26443	0.96495	0.86393	0.86422
804	490436.72	3860535.12	1.04941	0.84131	1.2665	1.31666	3.25092	0.96501	0.84158	0.84131
805	490486.72	3860535.12	1.04254	0.8204	1.03617	1.32672	3.19058	0.9854	0.82086	0.8204
806	490536.72	3860535.12	1.03782	0.79107	1.31144	1.33202	3.10447	1.00507	0.79258	0.79107
807	490586.72	3860535.12	1.02936	0.78452	1.41673	1.29622	2.94457	1.0121	0.78391	0.78452
808	490636.72	3860535.12	1.02407	0.76569	1.39099	1.26038	2.77617	1.01874	0.76464	0.76569
809	490686.72	3860535.12	1.02022	0.74821	1.2367	1.21513	2.58858	1.02182	0.748	0.74821
810	490736.72	3860535.12	1.01704	0.73359	1.2598	1.15708	2.38282	1.01947	0.74791	0.73359
811	490786.72	3860535.12	1.01546	0.72495	1.27291	1.09483	2.17162	1.01428	0.78226	0.72495
812	490136.72	3860585.12	1.07257	1.00047	1.37798	1.03204	4.23474	1.01247	1.00224	1.00047
813	490186.72	3860585.12	1.06566	1.01269	1.53709	1.05636	3.86255	1.02052	1.01343	1.01269
814	490236.72	3860585.12	1.0623	1.01	1.65864	1.09978	3.5295	1.0254	1.01068	1.01
815	490286.72	3860585.12	1.05817	1.00354	1.65991	1.14064	3.18454	1.02205	1.00442	1.00354
816	490336.72	3860585.12	1.05285	0.9949	1.55049	1.17537	3.11542	1.01013	0.99583	0.9949
817	490386.72	3860585.12	1.04677	0.98331	1.43866	1.20354	3.1776	0.99037	0.98438	0.98331
818	490436.72	3860585.12	1.0423	0.95865	1.37271	1.23359	3.21663	0.96539	0.9599	0.95865
819	490486.72	3860585.12	1.03729	0.93104	1.15551	1.24944	3.20798	0.93358	0.93233	0.93104
820	490536.72	3860585.12	1.02961	0.91597	1.08423	1.23805	3.13322	0.94061	0.91696	0.91597
821	490586.72	3860585.12	1.01956	0.91038	1.26432	1.19665	2.99743	0.95117	0.90966	0.91038
822	490636.72	3860585.12	1.01354	0.88651	1.35122	1.16075	2.86067	0.96473	0.88811	0.88651
823	490686.72	3860585.12	1.00816	0.86417	1.30111	1.1129	2.69531	0.97395	0.86535	0.86417
824	490736.72	3860585.12	1.00378	0.84182	1.14122	1.05757	2.51007	0.97912	0.84284	0.84182
825	490786.72	3860585.12	1.00014	0.81992	1.20071	0.99689	2.30852	0.97937	0.82192	0.81992
826	490136.72	3860635.12	1.05788	0.97953	1.31192	0.97996	4.39522	0.96029	0.98357	0.97953
827	490186.72	3860635.12	1.05252	1.01131	1.48054	1.00324	4.05464	0.97999	1.01501	1.01131
828	490236.72	3860635.12	1.04744	1.03202	1.59934	1.02539	3.69897	0.99289	1.03538	1.03202
829	490286.72	3860635.12	1.04392	1.04865	1.64066	1.05378	3.35699	1.00072	1.05192	1.04865
830	490336.72	3860635.12	1.04049	1.05751	1.57365	1.082	3.01932	1.00195	1.06066	1.05751
831	490386.72	3860635.12	1.03632	1.06203	1.45542	1.10453	3.07379	0.99534	1.06486	1.06203
832	490436.72	3860635.12	1.03105	1.06349	1.39745	1.11751	3.12538	0.98059	1.06612	1.06349
833	490486.72	3860635.12	1.02549	1.05944	1.25546	1.12207	3.1377	0.95903	1.06159	1.05944
834	490536.72	3860635.12	1.02017	1.04793	1.00969	1.11831	3.11494	0.93178	1.04992	1.04793
835	490586.72	3860635.12	1.01245	1.04105	1.07599	1.09201	3.03207	0.89638	1.04227	1.04105
836	490636.72	3860635.12	1.00609	1.02491	1.24235	1.06143	2.92571	0.9055	1.02712	1.02491
837	490686.72	3860635.12	0.99973	1.00667	1.29003	1.0214	2.78552	0.91946	1.00844	1.00667
838	490736.72	3860635.12	0.99348	0.98395	1.21463	0.9746	2.6163	0.92874	0.98574	0.98395
839	490786.72	3860635.12	0.98873	0.95952	1.06691	0.9299	2.43394	0.93601	0.95866	0.95952
840	490136.72	3860685.12	1.03823	0.90411	1.2295	0.90845	4.4849	0.89534	0.91068	0.90411
841	490186.72	3860685.12	1.03793	0.92834	1.42535	0.94038	4.24101	0.92263	0.93488	0.92834
842	490236.72	3860685.12	1.0325	0.97747	1.55307	0.95149	3.88551	0.94541	0.98405	0.97747
843	490286.72	3860685.12	1.02698	1.0187	1.60061	0.95726	3.51624	0.95963	1.02498	1.0187
844	490336.72	3860685.12	1.02557	1.04561	1.5919	0.97948	3.19645	0.97316	1.05157	1.04561
845	490386.72	3860685.12	1.023	1.07097	1.47462	0.99476	2.94797	0.97868	1.07662	1.07097
846	490436.72	3860685.12	1.01904	1.0942	1.37695	1.00189	3.02594	0.97583	1.09915	1.0942
847	490486.72	3860685.12	1.01431	1.11312	1.32089	1.0027	3.06337	0.96548	1.11708	1.11312
848	490536.72	3860685.12	1.00965	1.12552	1.13618	0.99998	3.06825	0.94916	1.12924	1.12552
849	490586.72	3860685.12	1.00427	1.13301	0.88042	0.98928	3.03163	0.92594	1.13664	1.13301
850	490636.72	3860685.12	0.9987	1.13501	1.07938	0.9729	2.95963	0.89719	1.13823	1.13501
851	490686.72	3860685.12	0.99308	1.13137	1.21074	0.95155	2.85414	0.8637	1.13416	1.13137

10.6222967	0.304244369	3.35E-05	0.067397	1.133798	0.146286	1.328739	1.12014051	12.48265
10.6086497	0.309131865	3.412E-05	0.065048	1.034028	0.14513	1.388408	1.13813486	12.41229
10.6024932	0.320144482	3.477E-05	0.062199	0.932008	0.14341	1.43416	1.17868016	12.31577
11.1466291	0.426656789	3.699E-05	0.056176	1.877551	0.144988	1.637906	1.57082793	13.71912
11.1084585	0.419312044	4.196E-05	0.058789	1.722687	0.145031	1.607709	1.54378668	13.51824
11.0380687	0.415180625	4.352E-05	0.060774	1.548778	0.143656	1.591739	1.52857598	13.26966
10.9716806	0.408290426	4.174E-05	0.062951	1.455128	0.141249	1.564235	1.50320825	13.10037
10.9045743	0.399420026	4.029E-05	0.065066	1.489898	0.137829	1.530655	1.47054998	13.05693
10.8375706	0.388938462	3.671E-05	0.066926	1.505393	0.133496	1.491584	1.43195987	12.99198
10.767899	0.378627916	3.213E-05	0.068205	1.499163	0.133504	1.452996	1.39399939	12.90643
10.6974066	0.369217461	2.629E-05	0.068726	1.471337	0.136325	1.417223	1.3593528	12.80091
10.6489751	0.356017622	3.327E-05	0.069	1.431627	0.139047	1.368397	1.31075478	12.70234
10.5621678	0.353069823	3.594E-05	0.067146	1.35789	0.140019	1.353429	1.29990182	12.53385
10.5078876	0.344595463	3.529E-05	0.065289	1.280232	0.140938	1.320159	1.26870166	12.39043
10.4683831	0.336728665	3.137E-05	0.062945	1.193725	0.141364	1.29143	1.23973837	12.25487
10.4357534	0.330148997	3.196E-05	0.059938	1.098838	0.141039	1.291274	1.21551392	12.14151
10.4195412	0.326260603	3.229E-05	0.056714	1.001443	0.140321	1.35058	1.20119797	12.09369
11.0055416	0.450257184	3.496E-05	0.053461	1.952852	0.14007	1.730378	1.65771781	13.67488
10.9346388	0.455756742	3.899E-05	0.054721	1.781216	0.141184	1.749697	1.67796561	13.43929
10.9001621	0.454546119	4.208E-05	0.05697	1.62763	0.141859	1.744949	1.67350844	13.25265
10.8577846	0.451638824	4.211E-05	0.059087	1.468552	0.141396	1.734141	1.66280462	13.04984
10.8031965	0.447750429	3.933E-05	0.060886	1.436677	0.139747	1.719311	1.64848866	12.95912
10.7408102	0.4425344	3.65E-05	0.062345	1.465351	0.137013	1.699542	1.62928474	12.91835
10.694944	0.431436274	3.482E-05	0.063902	1.48335	0.133557	1.657277	1.58842462	12.87608
10.6435368	0.419010513	2.931E-05	0.064723	1.479361	0.129156	1.609677	1.54267653	12.80282
10.564733	0.412228325	2.75E-05	0.064133	1.444886	0.130129	1.583141	1.51770646	12.68157
10.4616109	0.40971257	3.207E-05	0.061988	1.382266	0.13159	1.570537	1.50844417	12.50929
10.3998403	0.39896998	3.428E-05	0.060128	1.319199	0.133466	1.533331	1.46889304	12.37608
10.3446366	0.38891596	3.301E-05	0.05765	1.242943	0.134741	1.494036	1.43187702	12.23108
10.2996938	0.378857439	2.895E-05	0.054784	1.15752	0.135456	1.455172	1.39484443	12.08667
10.2623441	0.369001439	3.046E-05	0.05164	1.064575	0.135491	1.419053	1.35855747	11.94358
10.8548089	0.440833227	3.328E-05	0.050763	2.026857	0.132851	1.698144	1.62302151	13.58127
10.7998104	0.455135679	3.756E-05	0.051969	1.869799	0.135577	1.752425	1.67567903	13.38907
10.747685	0.464456124	4.057E-05	0.053117	1.705781	0.137361	1.787594	1.70999424	13.18604
10.7115666	0.471940384	4.162E-05	0.054587	1.548077	0.138445	1.816151	1.73754914	13.00326
10.6763717	0.475927788	3.992E-05	0.056049	1.392361	0.138615	1.83124	1.75222962	12.81837
10.6335837	0.477961995	3.692E-05	0.057216	1.417479	0.1377	1.838492	1.75971898	12.80275
10.5795088	0.478619061	3.545E-05	0.057889	1.44127	0.13566	1.840667	1.76213811	12.77151
10.5224581	0.476796376	3.185E-05	0.058125	1.446951	0.132677	1.832846	1.75542751	12.71446
10.4678701	0.471616351	2.561E-05	0.05793	1.436456	0.128907	1.812698	1.73635614	12.63915
10.3886559	0.468520037	2.73E-05	0.056568	1.39824	0.12401	1.79949	1.7249564	12.51055
10.3233965	0.4612563	3.152E-05	0.054984	1.349192	0.125271	1.773333	1.6982134	12.38925
10.2581371	0.453047467	3.273E-05	0.05291	1.284544	0.127203	1.741082	1.66799083	12.24896
10.1940065	0.442822429	3.081E-05	0.050486	1.206508	0.128487	1.70189	1.63034518	12.09388
10.1452671	0.431827814	2.707E-05	0.04817	1.122412	0.129492	1.655136	1.58986616	11.94247
10.6531821	0.406890784	3.119E-05	0.047059	2.068213	0.123866	1.572298	1.49805517	13.37349
10.6501038	0.41779539	3.616E-05	0.048713	1.955743	0.127641	1.61408	1.5382028	13.27591
10.5943871	0.439906133	3.94E-05	0.049289	1.791804	0.130793	1.698972	1.61960821	13.08558
10.5377469	0.458461516	4.06E-05	0.049587	1.621515	0.13276	1.769638	1.68792381	12.88183
10.523279	0.470572245	4.038E-05	0.050738	1.474044	0.134632	1.815546	1.73251204	12.73634
10.4969084	0.481985403	3.741E-05	0.05153	1.359457	0.135396	1.858795	1.77453202	12.60958
10.4562753	0.492439963	3.493E-05	0.051899	1.395413	0.135001	1.897694	1.81302271	12.61573
10.4077412	0.500954827	3.351E-05	0.051941	1.412674	0.133569	1.92865	1.844372	12.59119
10.3599253	0.506535394	2.882E-05	0.0518	1.414925	0.131312	1.949644	1.86491804	12.54925
10.3047217	0.509906236	2.233E-05	0.051246	1.398037	0.128099	1.96242	1.87732851	12.47712
10.2475684	0.510806327	2.738E-05	0.050398	1.364834	0.124122	1.965166	1.88064239	12.38228
10.1899021	0.509168161	3.071E-05	0.049292	1.316188	0.119489	1.958139	1.87461113	12.2676

852	490736.72	3860685.12	0.9866	1.12311	1.22616	0.92284	2.71104	0.87553	1.12496	1.12311	10.1234114	0.505450784	3.111E-05	0.047804	1.250197	0.121125	1.942255	1.86092482	12.12935
853	490786.72	3860685.12	0.98174	1.10842	1.14717	0.89731	2.55414	0.88986	1.10959	1.10842	10.0735434	0.498839613	2.91E-05	0.046482	1.177843	0.123108	1.915718	1.83658438	11.99898
854	490136.72	3860735.12	1.01542	0.78651	1.22571	0.82054	4.51289	0.82192	0.79441	0.78651	10.4191308	0.353965414	3.109E-05	0.042505	2.081121	0.113709	1.371557	1.30319913	13.07882
855	490186.72	3860735.12	1.01205	0.83116	1.29471	0.83219	4.25301	0.85104	0.83954	0.83116	10.3845515	0.374059953	3.284E-05	0.043109	1.961277	0.117737	1.449474	1.37718146	12.95306
856	490236.72	3860735.12	1.00987	0.87444	1.44508	0.84501	3.97009	0.8791	0.88292	0.87444	10.3621827	0.393537929	3.666E-05	0.043773	1.830808	0.121619	1.52437	1.44889378	12.82743
857	490286.72	3860735.12	1.00845	0.91686	1.55169	0.85824	3.66926	0.90456	0.92542	0.91686	10.3476122	0.412628866	3.936E-05	0.044458	1.692081	0.125141	1.597747	1.51918114	12.70053
858	490336.72	3860735.12	1.00714	0.95935	1.5768	0.87019	3.35254	0.9255	0.96763	0.95935	10.3341705	0.431751306	0.00004	0.045077	1.546025	0.128038	1.670623	1.58958448	12.56614
859	490386.72	3860735.12	1.00631	0.99919	1.51365	0.88356	3.03653	0.94199	1.00766	0.99919	10.3256539	0.449681125	3.84E-05	0.04577	1.400297	0.13032	1.739735	1.65559693	12.4359
860	490436.72	3860735.12	1.00622	1.03426	1.37714	0.89988	2.92793	0.95378	1.04225	1.03426	10.3247304	0.465464226	3.494E-05	0.046615	1.350216	0.131951	1.799455	1.71370578	12.40476
861	490486.72	3860735.12	1.00282	1.07511	1.34858	0.90411	2.99141	0.95489	1.08282	1.07511	10.2898433	0.483848592	3.421E-05	0.046834	1.37949	0.132104	1.8695	1.78139174	12.42026
862	490536.72	3860735.12	0.99787	1.11249	1.22836	0.90245	3.00757	0.94739	1.11997	1.11249	10.2390518	0.500671299	3.116E-05	0.046748	1.386942	0.131067	1.93364	1.84332813	12.39482
863	490586.72	3860735.12	0.99366	1.14329	1.01606	0.90317	2.99973	0.93525	1.15005	1.14329	10.1958534	0.514532705	2.578E-05	0.046785	1.383327	0.129387	1.985573	1.89436185	12.36112
864	490636.72	3860735.12	0.98907	1.1686	0.88851	0.90102	2.95682	0.91694	1.17491	1.1686	10.1487559	0.525923361	2.254E-05	0.046674	1.363539	0.126854	2.028494	1.93629898	12.30396
865	490686.72	3860735.12	0.98479	1.18932	1.07046	0.89772	2.88635	0.89391	1.19422	1.18932	10.1048392	0.535248307	2.716E-05	0.046503	1.331041	0.123668	2.061833	1.97063075	12.23253
866	490736.72	3860735.12	0.98011	1.20348	1.17133	0.88967	2.78231	0.86541	1.20783	1.20348	10.0568181	0.541620953	2.971E-05	0.046086	1.283063	0.119725	2.085331	1.99409301	12.13858
867	490136.72	3860785.12	0.99367	0.73444	1.23499	0.76357	4.53967	0.75343	0.73562	0.73444	10.195956	0.330531536	3.133E-05	0.039554	2.09347	0.104233	1.270055	1.21692232	12.81691
868	490186.72	3860785.12	0.99081	0.73426	1.21237	0.74139	4.32462	0.77925	0.73494	0.73426	10.1666098	0.330450528	3.076E-05	0.038405	1.9943	0.107805	1.268881	1.21662407	12.68986
869	490236.72	3860785.12	0.98873	0.73293	1.36083	0.74924	4.07122	0.80927	0.73877	0.73293	10.1452671	0.329851967	3.452E-05	0.038812	1.877445	0.111959	1.275494	1.21442034	12.56444
870	490286.72	3860785.12	0.98748	0.77443	1.48202	0.75834	3.79228	0.83838	0.78398	0.77443	10.132441	0.348528862	3.76E-05	0.039283	1.748811	0.115986	1.353549	1.28318331	12.45545
871	490336.72	3860785.12	0.98665	0.82144	1.54025	0.76851	3.49284	0.86493	0.83101	0.82144	10.1239245	0.369685509	3.907E-05	0.03981	1.610724	0.119659	1.434747	1.36107601	12.33751
872	490386.72	3860785.12	0.98711	0.86586	1.52652	0.78439	3.19529	0.88989	0.87595	0.86586	10.1286445	0.389676537	3.872E-05	0.040632	1.473509	0.123112	1.512337	1.43467725	12.23327
873	490436.72	3860785.12	0.98654	0.91503	1.42023	0.79849	2.88095	0.90831	0.92506	0.91503	10.1227958	0.411805282	3.603E-05	0.041363	1.328551	0.12566	1.597125	1.51614894	12.11119
874	490486.72	3860785.12	0.98663	0.96139	1.31953	0.81725	2.88192	0.92277	0.97137	0.96139	10.1237192	0.432669399	3.347E-05	0.042335	1.328998	0.127661	1.67708	1.59296463	12.13953
875	490536.72	3860785.12	0.98442	1.01254	1.28244	0.83024	2.93786	0.92808	1.02273	1.01254	10.1010426	0.455689235	3.253E-05	0.043008	1.354795	0.128395	1.765754	1.67771707	12.171
876	490586.72	3860785.12	0.98067	1.06231	1.12375	0.83866	2.94732	0.92505	1.07144	1.06231	10.0625642	0.478088007	2.851E-05	0.043444	1.359158	0.127976	1.849852	1.76018292	12.16093
877	490636.72	3860785.12	0.97744	1.10642	0.90024	0.84835	2.9324	0.91762	1.1152	1.10642	10.0294215	0.497939521	2.284E-05	0.043946	1.352277	0.126948	1.925404	1.8332705	12.14269
878	490686.72	3860785.12	0.97412	1.14804	0.90185	0.85565	2.88773	0.90482	1.15641	1.14804	9.99535529	0.516670422	2.288E-05	0.044324	1.331678	0.125177	1.996554	1.90223231	12.10755
879	490736.72	3860785.12	0.97076	1.18764	1.05335	0.85934	2.81454	0.88682	1.19478	1.18764	9.96087864	0.53449223	2.672E-05	0.044515	1.297926	0.122687	2.0628	1.96784709	12.05548
880	490086.72	3860835.12	0.97777	0.74878	1.26965	0.77557	4.69872	0.70058	0.75302	0.74878	10.0328076	0.336985191	3.221E-05	0.040176	2.166816	0.096922	1.300097	1.24068282	12.73315
881	490136.72	3860835.12	0.97378	0.75722	1.24129	0.75952	4.57386	0.71107	0.76101	0.75722	9.99186658	0.340783576	3.149E-05	0.039344	2.109237	0.098373	1.313891	1.25466739	12.63886
882	490186.72	3860835.12	0.97015	0.76711	1.13722	0.73621	4.38316	0.72269	0.77053	0.76711	9.95461948	0.345234528	2.885E-05	0.038137	2.021296	0.099981	1.330328	1.27105452	12.51857
883	490236.72	3860835.12	0.96769	0.77523	1.27948	0.70936	4.15715	0.73995	0.77779	0.77523	9.92937765	0.348888899	3.246E-05	0.036746	1.917071	0.102368	1.342862	1.28450886	12.39284
884	490286.72	3860835.12	0.96647	0.78067	1.41059	0.68083	3.9057	0.76995	0.78303	0.78067	9.91685934	0.351337147	3.578E-05	0.035268	1.801115	0.106519	1.351909	1.29352261	12.26952
885	490336.72	3860835.12	0.96558	0.78587	1.49245	0.68477	3.62384	0.79857	0.78717	0.78587	9.90772714	0.353677384	3.786E-05	0.035472	1.671135	0.110478	1.359057	1.30213869	12.13545
886	490386.72	3860835.12	0.96542	0.7886	1.50675	0.70098	3.32884	0.82596	0.78946	0.7886	9.90608539	0.354906009	3.822E-05	0.036312	1.535096	0.114268	1.363011	1.30666214	12.00305
887	490436.72	3860835.12	0.96612	0.7886	1.44937	0.72266	3.03308	0.85178	0.78936	0.7886	9.91326803	0.354906009	3.677E-05	0.037435	1.398706	0.11784	1.362838	1.30666214	11.87837
888	490486.72	3860835.12	0.96667	0.80563	1.32198	0.74639	2.74193	0.87321	0.81655	0.80563	9.91891153	0.362570287	3.354E-05	0.038664	1.264442	0.120804	1.409782	1.33487981	11.78033
889	490536.72	3860835.12	0.96655	0.85836	1.28486	0.76988	2.83177	0.88889	0.86936	0.85836	9.91768022	0.386301195	3.259E-05	0.039881	1.305872	0.122974	1.500959	1.4222502	11.85145
890	490586.72	3860835.12	0.96535	0.91403	1.19759	0.79047	2.87973	0.89776	0.92507	0.91403	9.90536713	0.411355237	3.038E-05	0.040947	1.327989	0.124201	1.597143	1.514492	11.89254
891	490636.72	3860835.12	0.96357	0.96874	1.01715	0.80798	2.89167	0.90053	0.97998	0.96874	9.88710271	0.435977235	2.58E-05	0.041854	1.333495	0.124584	1.691945	1.60514314	11.90984
892	490686.72	3860835.12	0.96174	1.02228	0.7935	0.82286	2.87462	0.89834	1.03316	1.02228	9.86832525	0.460072679	2.013E-05	0.042625	1.325632	0.124281	1.783761	1.69385565	11.91086
893	490736.72	3860835.12	0.95983	1.0759	0.91202	0.83369	2.82912	0.89097	1.08615	1.0759	9.84872692	0.484204128	2.314E-05	0.043186	1.30465	0.123261	1.875249	1.78270073	11.8966
894	490086.72	3860885.12	0.95912	0.72064	1.22629	0.76834	4.67802	0.64202	0.7267	0.72064	9.84144167	0.324320906	3.111E-05	0.039801	2.157271	0.08882	1.254655	1.19405656	12.51228
895	490136.72	3860885.12	0.95421	0.73725	1.23273	0.75279	4.57732	0.65032	0.74305	0.73725	9.79106062	0.331796164	3.127E-05	0.038996	2.110833	0.089969	1.282883	1.22157832	12.42399
896	490186.72	3860885.12	0.95026	0.75356	1.10209	0.73299	4.42448	0.66124	0.75975	0.75356	9.75053003	0.339136409	2.796E-05	0.03797	2.040351	0.091479	1.311716	1.24860299	12.32261
897	490236.72	3860885.12	0.94746	0.76917	1.20247	0.70948	4.23074	0.67674	0.77478	0.76917	9.72179949	0.346161622	3.05E-05	0.036752	1.951007	0.093624	1.337666	1.27446781	12.21257
898	490286.72	3860885.12	0.94559	0.78398	1.3345	0.68231	4.00119	0.70386	0.78885	0.78398	9.70261159	0.352826798	3.385E-05	0.035345	1.84515	0.097376	1.361958	1.29900708	12.09629
899	490336.72	3860885.12	0.94441	0.79807	1.43347	0.65281	3.73976	0.73171	0.80253	0.79807	9.69050372	0.359167942	3.636E-05	0.033816	1.724592	0.101228	1.385576	1.32235335	11.97257
900	490386.72	3860885.12	0.94443	0.80974	1.4813	0.64103	3.46611	0.76082	0.81359	0.80974	9.69070894	0.364419974	3.758E-05	0.033206	1.598398	0.105256	1.404671	1.34168983	11.85501
901	490436.72	3860885.12	0.94521	0.81991	1.4612	0.66653	3.1816	0.78935	0.82352	0.81991	9.69871245	0.368996939	3.707E-05	0.034527	1.467196	0.109203	1.421816	1.3585409	11.74195
902	490486.72	3860885.12	0.94603	0.82944	1.36964	0.69387	2.88687	0.81511	0.83244	0.82944	9.70712639	0.373285874	3.474E-05	0.035943	1.331281	0.112766	1.437216	1.37433153	11.62332
903	490536.72	3860885.12	0.94673	0.8379	1.24852	0.72178	2.70976	0.83722	0.84006	0.8379	9.71430903	0.37709326	3.167E-05	0.037389	1.249607	0.115825	1.450372	1.38834923	11.55628
904	490586.72	3860885.12	0.94701	0.84425	1.2305	0.74811	2.78707	0.8546	0.84667	0.84425	9.71718208	0.37995105	3.122E-05	0.038753	1.285258	0.11823	1.461784	1.39887079	11.60232
905	490636.72	3860885.12	0.94678	0.84862	1.10554	0.77111	2.82828	0.86668	0.8496	0.84862	9.71482207	0.38191775	2.805E-05	0.039945	1.304262	0.119901	1.466843	1.40611162	11.62161
906	490686.72	3860885.12	0.94629	0.85017	0.91198	0.79043	2.83733	0.87386	0.85994	0.85017	9.70979423	0.382615321	2.313E-05	0.040945	1.308436	0.120894	1.484695	1.40867987	11.63872
907	490736.72	3860885.12	0.94534	0.90469	0.75691	0.80433	2.81381	0.87553	0.91621	0.90469	9.70004637	0.40715181	1.92E-05	0.041665	1.297589	0.121125	1.581846	1.49901619	11.65043
908	490086.72	3860935.12	0.93916	0.72516	1.174	0.75843	4.62267	0.62734	0.74168	0.72516	9.63663396	0.326355112	2.978E-05	0.039288	2.131746	0.086789	1.280518	1.20154592	12.29981

909	490136.72	3860935.12	0.93412	0.72601	1.21116	0.74307	4.54791	0.61796	0.73879	0.72601
910	490186.72	3860935.12	0.93037	0.72779	1.1203	0.7274	4.43699	0.61841	0.73763	0.72779
911	490236.72	3860935.12	0.9274	0.72904	1.12455	0.7074	4.27882	0.62219	0.73669	0.72904
912	490286.72	3860935.12	0.92538	0.74248	1.2579	0.6837	4.08177	0.6451	0.74988	0.74248
913	490336.72	3860935.12	0.9238	0.76315	1.36824	0.65549	3.84318	0.66979	0.77014	0.76315
914	490386.72	3860935.12	0.92362	0.78162	1.44116	0.62841	3.59096	0.6975	0.78851	0.78162
915	490436.72	3860935.12	0.92415	0.79966	1.45375	0.62292	3.32038	0.72583	0.8062	0.79966
916	490486.72	3860935.12	0.92484	0.81806	1.39692	0.65135	3.03389	0.75291	0.82427	0.81806
917	490536.72	3860935.12	0.92604	0.83528	1.28446	0.68127	2.74573	0.77881	0.84104	0.83528
918	490586.72	3860935.12	0.92699	0.85224	1.2256	0.70958	2.67724	0.80138	0.85764	0.85224
919	490636.72	3860935.12	0.92784	0.8671	1.16085	0.7355	2.74521	0.82032	0.8718	0.8671
920	490686.72	3860935.12	0.92859	0.88031	1.01014	0.75828	2.78148	0.83542	0.88415	0.88031
921	490736.72	3860935.12	0.92889	0.89126	0.81136	0.77579	2.78383	0.84557	0.89438	0.89126
922	490786.72	3860935.12	0.9287	0.90026	0.77064	0.78742	2.75405	0.85056	0.90309	0.90026
923	490836.72	3860935.12	0.92849	0.91071	0.90047	0.79465	2.69892	0.85126	0.91143	0.91071
924	490086.72	3860985.12	0.91616	0.75945	1.12063	0.74962	4.55801	0.63533	0.77897	0.75945
925	490136.72	3860985.12	0.91282	0.76406	1.18717	0.73706	4.52357	0.62795	0.7801	0.76406
926	490186.72	3860985.12	0.90995	0.76883	1.13141	0.72371	4.44712	0.62596	0.7816	0.76883
927	490236.72	3860985.12	0.90699	0.77303	1.05009	0.70436	4.31051	0.62577	0.78247	0.77303
928	490286.72	3860985.12	0.90482	0.77609	1.17789	0.68234	4.13659	0.62985	0.78353	0.77609
929	490336.72	3860985.12	0.90338	0.77943	1.297	0.65737	3.92951	0.6371	0.78522	0.77943
930	490386.72	3860985.12	0.90279	0.78406	1.38617	0.63095	3.69631	0.64716	0.78721	0.78406
931	490436.72	3860985.12	0.90333	0.78872	1.42958	0.60574	3.44822	0.66601	0.79087	0.78872
932	490486.72	3860985.12	0.90384	0.79145	1.40616	0.61513	3.17423	0.69206	0.79237	0.79145
933	490536.72	3860985.12	0.90471	0.7923	1.32353	0.64385	2.89048	0.71787	0.79315	0.7923
934	490586.72	3860985.12	0.90598	0.80881	1.19681	0.67263	2.6067	0.74288	0.81681	0.80881
935	490636.72	3860985.12	0.9077	0.83119	1.18222	0.70099	2.64625	0.76666	0.83886	0.83119
936	490686.72	3860985.12	0.90909	0.85322	1.08144	0.72542	2.70615	0.78681	0.86025	0.85322
937	490736.72	3860985.12	0.91027	0.8743	0.9138	0.74561	2.73318	0.8033	0.88092	0.8743
938	490786.72	3860985.12	0.91141	0.89403	0.71731	0.76155	2.73077	0.81621	0.89982	0.89403
939	490836.72	3860985.12	0.91239	0.91335	0.78021	0.77262	2.69976	0.82507	0.91881	0.91335
940	490086.72	3861035.12	0.88713	0.79565	1.06458	0.74021	4.47331	0.64967	0.79714	0.79565
941	490136.72	3861035.12	0.88664	0.80082	1.15475	0.72935	4.47442	0.64024	0.80263	0.80082
942	490186.72	3861035.12	0.88555	0.80544	1.12918	0.71631	4.4224	0.63443	0.80622	0.80544
943	490236.72	3861035.12	0.88442	0.81112	1.00008	0.70128	4.32653	0.63316	0.81226	0.81112
944	490286.72	3861035.12	0.88301	0.81427	1.10081	0.68093	4.17831	0.63394	0.8137	0.81427
945	490336.72	3861035.12	0.88196	0.81778	1.22079	0.65779	3.99518	0.6383	0.81798	0.81778
946	490386.72	3861035.12	0.88188	0.82505	1.32524	0.63421	3.79198	0.64737	0.82533	0.82505
947	490436.72	3861035.12	0.88234	0.83432	1.39036	0.60937	3.56245	0.65845	0.83336	0.83432
948	490486.72	3861035.12	0.88289	0.8379	1.39785	0.58333	3.30476	0.66921	0.83845	0.8379
949	490536.72	3861035.12	0.88376	0.84065	1.34741	0.61048	3.03254	0.67998	0.84052	0.84065
950	490586.72	3861035.12	0.88499	0.84363	1.2481	0.63854	2.75474	0.69058	0.84318	0.84363
951	490636.72	3861035.12	0.88657	0.84551	1.16956	0.66599	2.52832	0.70941	0.84499	0.84551
952	490686.72	3861035.12	0.88836	0.84677	1.12219	0.69172	2.61131	0.73239	0.84513	0.84677
953	490736.72	3861035.12	0.89028	0.84831	0.99559	0.7146	2.66421	0.75336	0.8494	0.84831
954	490786.72	3861035.12	0.89237	0.8529	0.82088	0.73417	2.68847	0.77205	0.85272	0.8529
955	490836.72	3861035.12	0.8943	0.8601	0.66548	0.74878	2.6819	0.78726	0.86886	0.8601
956	490086.72	3861085.12	0.85144	0.83404	1.00798	0.73129	4.37433	0.66655	0.8359	0.83404
957	490136.72	3861085.12	0.8546	0.84264	1.11827	0.72255	4.41237	0.65596	0.84453	0.84264
958	490186.72	3861085.12	0.85685	0.8534	1.12402	0.7131	4.40308	0.64928	0.85355	0.8534
959	490236.72	3861085.12	0.85775	0.85675	1.02201	0.69791	4.32738	0.64341	0.85835	0.85675
960	490286.72	3861085.12	0.85825	0.86238	1.02817	0.68013	4.20987	0.64148	0.86343	0.86238
961	490336.72	3861085.12	0.85853	0.86757	1.14692	0.65893	4.0525	0.64278	0.86966	0.86757
962	490386.72	3861085.12	0.85929	0.8766	1.25803	0.63695	3.87225	0.64888	0.87761	0.8766
963	490436.72	3861085.12	0.85998	0.884	1.33658	0.61186	3.65624	0.65622	0.88484	0.884
964	490486.72	3861085.12	0.8609	0.89146	1.36982	0.5862	3.41705	0.66507	0.89211	0.89146
965	490536.72	3861085.12	0.86242	0.90064	1.35363	0.57946	3.16583	0.67583	0.90006	0.90064

9.58491898	0.326737651	3.072E-05	0.038492	2.09727	0.085492	1.275528	1.20295432	12.20552
9.54644058	0.327538732	2.842E-05	0.03768	2.04612	0.085554	1.273526	1.20590367	12.11098
9.51596569	0.328101289	2.853E-05	0.036644	1.973179	0.086077	1.271903	1.20797485	12.00392
9.49523865	0.334149903	3.191E-05	0.035417	1.88231	0.089246	1.294675	1.23024411	11.90082
9.47902642	0.343452347	3.471E-05	0.033955	1.772284	0.092662	1.329655	1.26449304	11.78658
9.47717945	0.35176469	3.656E-05	0.032553	1.655972	0.096496	1.361371	1.2950967	11.68028
9.48261774	0.359883514	3.688E-05	0.032268	1.531194	0.100415	1.391912	1.32498788	11.57334
9.48969776	0.368164354	3.544E-05	0.033741	1.399079	0.104161	1.423111	1.35547556	11.46251
9.50201085	0.375914141	3.258E-05	0.035291	1.266194	0.107745	1.452064	1.38400805	11.35524
9.51175871	0.383546915	3.109E-05	0.036757	1.23461	0.110867	1.480724	1.41210974	11.34619
9.52048048	0.390234594	2.945E-05	0.0381	1.265955	0.113487	1.505172	1.43673185	11.39673
9.52817617	0.396179697	2.563E-05	0.03928	1.282681	0.115576	1.526494	1.45862002	11.42979
9.53125444	0.401107697	2.058E-05	0.040187	1.283764	0.11698	1.544156	1.4767635	11.44071
9.52930487	0.405158108	1.955E-05	0.040789	1.270031	0.117671	1.559194	1.49167595	11.43049
9.52715007	0.409861085	2.284E-05	0.041164	1.244608	0.117768	1.573593	1.50899096	11.40518
9.40063308	0.341787178	2.843E-05	0.038831	2.101928	0.087895	1.3449	1.25836236	12.05764
9.36636165	0.343861889	3.012E-05	0.038181	2.086046	0.086874	1.346851	1.26600085	12.0022
9.33691285	0.346008606	2.87E-05	0.037489	2.050791	0.086599	1.34944	1.27390445	11.93336
9.30654056	0.347898798	2.664E-05	0.036487	1.987793	0.086572	1.350942	1.28086359	11.8354
9.28427439	0.349275938	2.988E-05	0.035346	1.90759	0.087137	1.352772	1.28593383	11.73049
9.26949869	0.35077909	3.29E-05	0.034053	1.812095	0.08814	1.35569	1.291468	11.61882
9.26344475	0.352862802	3.516E-05	0.032684	1.704555	0.089531	1.359126	1.29913963	11.5031
9.26898564	0.354960015	3.627E-05	0.031378	1.590148	0.092139	1.365445	1.30686097	11.39623
9.2742187	0.356188639	3.567E-05	0.031865	1.463797	0.095743	1.368035	1.31138441	11.2785
9.28314569	0.356571178	3.358E-05	0.033352	1.332946	0.099314	1.369382	1.31279281	11.16195
9.29617705	0.364001432	3.036E-05	0.034843	1.202081	0.102774	1.410231	1.34014887	11.06999
9.31382581	0.374073454	2.999E-05	0.036312	1.220319	0.106064	1.4483	1.37723117	11.12169
9.32808847	0.38398796	2.743E-05	0.037578	1.247942	0.108851	1.48523	1.41373354	11.17797
9.34019634	0.393474922	2.318E-05	0.038624	1.260407	0.111133	1.520917	1.44866181	11.21611
9.35189377	0.402354323	1.82E-05	0.039449	1.259296	0.112919	1.553548	1.48135322	11.23813
9.36194946	0.411049205	1.979E-05	0.040023	1.244995	0.114144	1.586335	1.51336528	11.24515
9.10275894	0.358078831	2.701E-05	0.038344	2.062869	0.089879	1.37627	1.31834356	11.70988
9.09773109	0.360405567	2.929E-05	0.037781	2.06338	0.088574	1.385749	1.32690993	11.70674
9.0865467	0.362484778	2.864E-05	0.037106	2.039391	0.08777	1.391947	1.33456499	11.67071
9.07495188	0.365041037	2.537E-05	0.036327	1.995181	0.087595	1.402375	1.3439764	11.61752
9.060484	0.366458681	2.793E-05	0.035273	1.926829	0.087702	1.404861	1.34919576	11.53244
9.04971005	0.368038342	3.097E-05	0.034074	1.842379	0.088306	1.412251	1.35501162	11.43978
9.04888917	0.371310174	3.362E-05	0.032853	1.748673	0.08956	1.424941	1.36705756	11.3492
9.05360919	0.375482097	3.527E-05	0.031566	1.642825	0.091093	1.438804	1.38241739	11.251
9.05925269	0.37709326	3.546E-05	0.030217	1.523991	0.092582	1.447592	1.38834923	11.14242
9.06817968	0.378330886	3.418E-05	0.031624	1.398457	0.094072	1.451166	1.39290581	11.02896
9.0808006	0.379672022	3.166E-05	0.033077	1.270349	0.095538	1.455759	1.39784349	10.91738
9.09701283	0.380518108	2.967E-05	0.034499	1.165936	0.098143	1.458884	1.40095854	10.83406
9.11537985	0.381085165	2.847E-05	0.035832	1.204207	0.101323	1.459126	1.40304628	10.89393
9.1350808	0.381778236	2.526E-05	0.037017	1.228601	0.104224	1.466498	1.40559797	10.94763
9.15652609	0.383843945	2.082E-05	0.038031	1.239789	0.106809	1.47223	1.41320332	10.98405
9.17632964	0.387084274	1.688E-05	0.038788	1.236759	0.108914	1.500096	1.42513328	11.02285
8.73654715	0.375356084	2.557E-05	0.037882	2.017224	0.092214	1.44319	1.38195345	11.32048
8.76897161	0.379226477	2.837E-05	0.037429	2.034766	0.090749	1.45809	1.39620312	11.37306
8.79205866	0.384068968	2.851E-05	0.03694	2.030482	0.089825	1.473663	1.41403179	11.39303
8.80129347	0.385576621	2.593E-05	0.036153	1.995573	0.089013	1.48195	1.41958253	11.37
8.80642393	0.388110378	2.608E-05	0.035232	1.941383	0.088746	1.490721	1.4289111	11.32173
8.80929698	0.390446115	2.909E-05	0.034133	1.868812	0.088925	1.501477	1.43751061	11.25561
8.81709527	0.394510027	3.191E-05	0.032995	1.785689	0.089769	1.515203	1.45247277	11.18282
8.8241753	0.397840365	3.391E-05	0.031695	1.686076	0.090785	1.527685	1.46473412	11.09356
8.83361533	0.401197706	3.475E-05	0.030366	1.575774	0.092009	1.540237	1.47709489	10.99614
8.84921191	0.405329125	3.434E-05	0.030017	1.459924	0.093498	1.553963	1.49230559	10.89967

966	490586.72	3861085.12	0.86372	0.90488	1.28215	0.6063	2.89614	0.68487	0.90629	0.90488
967	490636.72	3861085.12	0.86509	0.90556	1.1702	0.63235	2.62106	0.69277	0.90562	0.90556
968	490686.72	3861085.12	0.86707	0.9092	1.13268	0.65845	2.50153	0.70098	0.91072	0.9092
969	490736.72	3861085.12	0.86949	0.91611	1.05249	0.6833	2.57868	0.70875	0.91556	0.91611
970	490786.72	3861085.12	0.87205	0.92195	0.90897	0.70515	2.62648	0.72198	0.92135	0.92195
971	490836.72	3861085.12	0.87456	0.92917	0.73262	0.72267	2.64361	0.74132	0.92902	0.92917
972	490086.72	3861135.12	0.81	0.86093	0.95123	0.72212	4.25913	0.6845	0.86358	0.86093
973	490136.72	3861135.12	0.81648	0.87135	1.0753	0.71351	4.32253	0.67144	0.8745	0.87135
974	490186.72	3861135.12	0.82177	0.88132	1.10523	0.70469	4.34062	0.66179	0.88397	0.88132
975	490236.72	3861135.12	0.82592	0.89107	1.03451	0.69326	4.30754	0.65486	0.89282	0.89107
976	490286.72	3861135.12	0.82905	0.89907	0.95775	0.67841	4.22395	0.65053	0.90147	0.89907
977	490336.72	3861135.12	0.83145	0.90641	1.07375	0.65956	4.09521	0.64886	0.90949	0.90641
978	490386.72	3861135.12	0.83364	0.91564	1.18643	0.63862	3.93412	0.65105	0.91861	0.91564
979	490436.72	3861135.12	0.83551	0.92387	1.27649	0.61467	3.73893	0.65525	0.92611	0.92387
980	490486.72	3861135.12	0.83742	0.93342	1.33094	0.58989	3.52015	0.66174	0.93461	0.93342
981	490536.72	3861135.12	0.83937	0.94233	1.33884	0.56526	3.28107	0.66946	0.94411	0.94233
982	490586.72	3861135.12	0.84128	0.95101	1.29661	0.57514	3.02543	0.67713	0.95114	0.95101
983	490636.72	3861135.12	0.8431	0.95548	1.21026	0.6007	2.75935	0.68386	0.95795	0.95548
984	490686.72	3861135.12	0.8455	0.96408	1.11596	0.62711	2.49717	0.69137	0.96468	0.96408
985	490736.72	3861135.12	0.84824	0.97306	1.08312	0.65284	2.48058	0.69837	0.97344	0.97306
986	490786.72	3861135.12	0.85112	0.98157	0.97754	0.67623	2.55013	0.70381	0.98337	0.98157
987	490836.72	3861135.12	0.85398	0.99009	0.82357	0.69591	2.58933	0.70712	0.99104	0.99009
988	490086.72	3861185.12	0.82255	0.87574	0.89535	0.71322	4.13209	0.70269	0.88022	0.87574
989	490136.72	3861185.12	0.77631	0.88462	1.02843	0.70287	4.21188	0.68635	0.88861	0.88462
990	490186.72	3861185.12	0.78193	0.89525	1.07884	0.69419	4.25448	0.67384	0.89934	0.89525
991	490236.72	3861185.12	0.78889	0.90659	1.03508	0.68468	4.25275	0.66444	0.91011	0.90659
992	490286.72	3861185.12	0.79501	0.91884	0.9114	0.67388	4.21009	0.65885	0.92172	0.91884
993	490336.72	3861185.12	0.79944	0.92554	0.99554	0.6555	4.10025	0.65252	0.92927	0.92554
994	490386.72	3861185.12	0.80374	0.93665	1.10848	0.63706	3.96777	0.65166	0.93999	0.93665
995	490436.72	3861185.12	0.8077	0.9496	1.20983	0.61659	3.80535	0.65414	0.95238	0.9496
996	490486.72	3861185.12	0.81101	0.95929	1.27955	0.59266	3.60587	0.65738	0.96332	0.95929
997	490536.72	3861185.12	0.81468	0.97412	1.31572	0.57043	3.39477	0.66446	0.97699	0.97412
998	490586.72	3861185.12	0.81738	0.98378	1.2978	0.5468	3.14997	0.66925	0.98642	0.98378
999	490636.72	3861185.12	0.81964	0.98979	1.23364	0.57042	2.88872	0.6729	0.99236	0.98979
1000	490686.72	3861185.12	0.82254	0.99938	1.14153	0.59609	2.63245	0.67858	1.00167	0.99938
1001	490736.72	3861185.12	0.826	1.0132	1.08702	0.62272	2.38185	0.68515	1.01582	1.0132
1002	490786.72	3861185.12	0.82939	1.02536	1.0234	0.64745	2.4598	0.68994	1.02779	1.02536
1003	490836.72	3861185.12	0.83274	1.03641	0.89975	0.6692	2.52146	0.69264	1.0385	1.03641
1004	490086.72	3861235.12	0.84064	0.87723	0.8405	0.70401	3.99278	0.71965	0.88154	0.87723
1005	490136.72	3861235.12	0.79566	0.88714	0.98179	0.69438	4.09849	0.70242	0.89163	0.88714
1006	490186.72	3861235.12	0.75167	0.89924	1.05049	0.68645	4.16758	0.68806	0.90334	0.89924
1007	490236.72	3861235.12	0.74849	0.90854	1.02931	0.67612	4.18383	0.67461	0.91358	0.90854
1008	490386.72	3861235.12	0.77021	0.9425	1.03126	0.63453	3.98484	0.65233	0.94707	0.9425
1009	490436.72	3861235.12	0.77577	0.9535	1.13287	0.61446	3.83908	0.64996	0.95782	0.9535
1010	490486.72	3861235.12	0.78086	0.9654	1.21456	0.59247	3.66467	0.65024	0.97003	0.9654
1011	490536.72	3861235.12	0.78636	0.98404	1.27281	0.57277	3.48178	0.65573	0.98839	0.98404
1012	490586.72	3861235.12	0.79119	0.99888	1.2865	0.55102	3.26745	0.66083	1.00229	0.99888
1013	490636.72	3861235.12	0.79406	1.00429	1.24148	0.54185	3.00889	0.66025	1.00867	1.00429
1014	490686.72	3861235.12	0.79794	1.01629	1.17197	0.56683	2.76228	0.66415	1.02032	1.01629
1015	490736.72	3861235.12	0.80213	1.03182	1.07876	0.59309	2.51722	0.66912	1.03595	1.03182
1016	490786.72	3861235.12	0.80636	1.0471	1.04515	0.61883	2.35647	0.67339	1.05102	1.0471
1017	490836.72	3861235.12	0.81026	1.06018	0.95683	0.64179	2.43773	0.67518	1.06381	1.06018
1018	490086.72	3861285.12	0.86031	0.86594	0.78899	0.69745	3.85356	0.73677	0.87108	0.86594
1019	490136.72	3861285.12	0.81733	0.87832	0.93764	0.69024	3.99144	0.72052	0.88373	0.87832
1020	490186.72	3861285.12	0.77365	0.88812	1.01889	0.67954	4.07075	0.70203	0.89379	0.88812
1021	490236.72	3861285.12	0.73098	0.89903	1.01969	0.67007	4.11402	0.68634	0.90443	0.89903
1022	490386.72	3861285.12	0.7341	0.93403	0.95894	0.63287	3.99367	0.65414	0.9395	0.93403

8.86255109	0.407237319	3.253E-05	0.031407	1.335556	0.094748	1.564719	1.49933101	10.79692
8.87660853	0.40754335	2.969E-05	0.032757	1.208703	0.095841	1.563562	1.50045773	10.68459
8.89692513	0.409181516	2.873E-05	0.034109	1.153581	0.096977	1.572367	1.50648899	10.65668
8.92175653	0.412291332	2.67E-05	0.035396	1.189159	0.098052	1.580724	1.51793843	10.71947
8.94802445	0.414919598	2.306E-05	0.036528	1.211202	0.099882	1.59072	1.52761496	10.77368
8.97377933	0.418168928	1.858E-05	0.037435	1.219102	0.102558	1.603962	1.53957806	10.81545
8.31133514	0.387457812	2.413E-05	0.037407	1.964099	0.094697	1.49098	1.42650854	10.85949
8.37782582	0.392147288	2.728E-05	0.036961	1.993336	0.09289	1.509833	1.44377384	10.95925
8.43210602	0.396634243	2.804E-05	0.036504	2.001678	0.091555	1.526183	1.46029352	11.0244
8.47468878	0.401022188	2.624E-05	0.035912	1.986424	0.090597	1.541463	1.47644868	11.05368
8.50680543	0.404622553	2.43E-05	0.035143	1.947876	0.089998	1.556397	1.48970419	11.05116
8.5314316	0.407925889	2.724E-05	0.034166	1.888508	0.089767	1.570244	1.50186613	11.0202
8.55390299	0.41207981	3.01E-05	0.033081	1.814221	0.09007	1.585989	1.51715967	10.97221
8.57309089	0.415783686	3.238E-05	0.031841	1.724209	0.090651	1.598938	1.53079628	10.90375
8.59268922	0.420081622	3.376E-05	0.030557	1.623318	0.091548	1.613614	1.54662005	10.82522
8.61269799	0.424091529	3.396E-05	0.029281	1.513067	0.092617	1.630015	1.56138338	10.74042
8.63229633	0.427997925	3.289E-05	0.029793	1.395178	0.093678	1.642153	1.57576561	10.64536
8.65097118	0.430009629	3.07E-05	0.031117	1.272475	0.094609	1.65391	1.58317212	10.54995
8.67559736	0.433880022	2.831E-05	0.032485	1.151571	0.095648	1.66553	1.5974218	10.45732
8.70371224	0.437921432	2.748E-05	0.033818	1.14392	0.096616	1.680654	1.61230111	10.48437
8.73326366	0.441751321	2.48E-05	0.03503	1.175993	0.097369	1.697798	1.62640166	10.55483
8.76260985	0.44558571	2.089E-05	0.036049	1.19407	0.097827	1.711041	1.64051879	10.60668
8.44010953	0.394122988	2.271E-05	0.036946	1.905515	0.097214	1.519709	1.4510478	10.94259
7.96564516	0.398119394	2.609E-05	0.03641	1.94231	0.094953	1.534194	1.46576142	10.5059
8.02331146	0.402903379	2.737E-05	0.03596	1.961955	0.093222	1.55272	1.48337469	10.58672
8.09472738	0.408006897	2.626E-05	0.035467	1.961157	0.091922	1.571314	1.50216437	10.66046
8.15752413	0.413519956	2.312E-05	0.034908	1.941485	0.091149	1.591359	1.52246188	10.70751
8.20297995	0.416535262	2.525E-05	0.033956	1.890832	0.090273	1.604394	1.53356337	10.70543
8.24710185	0.421535269	2.812E-05	0.033001	1.829739	0.090154	1.622902	1.55197196	10.69249
8.28773505	0.427363361	3.069E-05	0.03194	1.754839	0.090497	1.644294	1.57342932	10.66327
8.32169865	0.431724303	3.246E-05	0.030701	1.662848	0.090945	1.663182	1.58948506	10.61165
8.35935618	0.43839848	3.338E-05	0.029549	1.565499	0.091925	1.686783	1.61405747	10.55749
8.38706063	0.442745921	3.292E-05	0.028325	1.45261	0.092587	1.703064	1.6300635	10.47636
8.41025029	0.445450696	3.129E-05	0.029549	1.332134	0.093092	1.71332	1.6400217	10.38381
8.44000692	0.449766634	2.896E-05	0.030878	1.213955	0.093878	1.729393	1.65591175	10.302
8.47550966	0.455986265	2.758E-05	0.032258	1.098391	0.094787	1.753824	1.67881065	10.23197
8.51029413	0.46145882	2.596E-05	0.033539	1.134338	0.09545	1.77449	1.69895903	10.31064
8.54466817	0.466431825	2.282E-05	0.034665	1.162772	0.095823	1.792981	1.7172682	10.3801
8.62572934	0.394793556	2.132E-05	0.036469	1.841272	0.09956	1.521988	1.45351664	11.06632
8.16419372	0.399253509	2.491E-05	0.03597	1.89002	0.097176	1.539408	1.46993691	10.65611
7.7128164	0.404699061	2.665E-05	0.035559	1.921881	0.09519	1.559626	1.48998587	10.23981
7.68018671	0.408884486	2.611E-05	0.035024	1.929375	0.093329	1.577305	1.50539541	10.21873
7.90305362	0.424168037	2.616E-05	0.03287	1.83761	0.090247	1.635126	1.56166506	10.36144
7.96010427	0.429118539	2.874E-05	0.03183	1.770393	0.089919	1.653686	1.57989139	10.35519
8.01233229	0.434474082	3.081E-05	0.030691	1.689964	0.089958	1.674767	1.59960896	10.33261
8.06876728	0.442862933	3.229E-05	0.02967	1.605624	0.090717	1.706465	1.6304943	10.31364
8.11832746	0.449541611	3.264E-05	0.028544	1.506786	0.091423	1.730464	1.65508328	10.27003
8.14777627	0.451976358	3.149E-05	0.028069	1.387551	0.091342	1.741479	1.66404732	10.18418
8.18758859	0.457376906	2.973E-05	0.029363	1.273826	0.091882	1.761593	1.68393059	10.11773
8.23058179	0.464366115	2.737E-05	0.030723	1.160817	0.092569	1.788578	1.70966285	10.058
8.27398543	0.471242813	2.651E-05	0.032056	1.086687	0.09316	1.814597	1.73498088	10.03677
8.31400297	0.47712941	2.427E-05	0.033246	1.12416	0.093408	1.836679	1.75665364	10.122
8.8275614	0.389712541	2.001E-05	0.036129	1.777071	0.101929	1.503928	1.4348098	11.20154
8.38654759	0.395284106	2.379E-05	0.035755	1.840654	0.09968	1.525769	1.45532271	10.82839
7.93835115	0.399694553	2.585E-05	0.035201	1.877228	0.097122	1.543137	1.47156071	10.4192
7.50051822	0.404604552	2.587E-05	0.034711	1.897182	0.094952	1.561508	1.48963792	10.00386
7.53253225	0.42035615	2.433E-05	0.032784	1.841682	0.090497	1.622056	1.54763078	9.992301

1023	490436.72	3861285.12	0.74178	0.94762	1.0641	0.61603	3.88	0.64931	0.95344	0.94762	7.61133602	0.42647227	2.699E-05	0.031911	1.789263	0.089829	1.646124	1.57014858	10.02481
1024	490486.72	3861285.12	0.74848	0.959	1.1522	0.59494	3.72442	0.64546	0.96498	0.959	7.6800841	0.43159379	2.923E-05	0.030819	1.717518	0.089296	1.666048	1.58900455	10.02638
1025	490536.72	3861285.12	0.75482	0.97249	1.21666	0.57313	3.54571	0.6446	0.9785	0.97249	7.74513826	0.437664906	3.086E-05	0.029689	1.635105	0.089177	1.68939	1.61135666	10.01484
1026	490586.72	3861285.12	0.76085	0.98774	1.24785	0.55117	3.34632	0.64588	0.9936	0.98774	7.80701153	0.444528102	3.166E-05	0.028551	1.543157	0.089354	1.71546	1.63662498	9.991469
1027	490636.72	3861285.12	0.76575	0.9968	1.23246	0.52667	3.11437	0.64522	1.00171	0.9968	7.85728998	0.448605516	3.126E-05	0.027282	1.436193	0.089263	1.729462	1.65163685	9.93649
1028	490686.72	3861285.12	0.77087	1.01015	1.18592	0.53835	2.88034	0.6472	1.01456	1.01015	7.90982582	0.454613626	3.008E-05	0.027887	1.32827	0.089537	1.751648	1.67375698	9.888055
1029	490736.72	3861285.12	0.77647	1.02987	1.11526	0.56517	2.64915	0.65188	1.03527	1.02987	7.96728691	0.463488526	2.829E-05	0.029277	1.221656	0.090184	1.787404	1.70643182	9.852894
1030	490786.72	3861285.12	0.78122	1.04306	1.04222	0.5896	2.40523	0.65348	1.04874	1.04306	8.01602622	0.469424628	2.644E-05	0.030542	1.109173	0.090406	1.81066	1.72828685	9.797971
1031	490836.72	3861285.12	0.7856	1.05479	0.99091	0.6122	2.33366	0.6533	1.05813	1.05479	8.06096899	0.474703664	2.514E-05	0.031713	1.076168	0.090381	1.826872	1.74772274	9.813109
1032	490061.24	3859716.13	1.4086	2.1474	4.00011	2.64028	3.16767	1.65075	2.16888	2.1474	14.4535144	0.966428055	0.0001015	0.13677	1.460772	0.228373	3.744593	3.55811092	17.43244
1033	490111.24	3859716.13	1.45055	2.44255	4.41844	2.76153	2.81644	1.71629	2.357	2.44255	14.8839595	1.099259032	0.0001121	0.143051	1.298802	0.23744	4.069384	4.04715648	17.68485
1034	490161.24	3859716.13	1.51115	2.92283	3.66856	2.99871	2.46406	1.84506	2.55759	2.92283	15.5057705	1.315406963	9.306E-05	0.155337	1.136302	0.255255	4.415705	4.84295117	17.94092
1035	490211.24	3859716.13	1.59987	3.41155	4.6056	3.25862	2.1225	1.97212	2.95665	3.41155	16.4161182	1.535353279	0.0001168	0.168801	0.978792	0.272833	5.104686	5.65273042	18.82397
1036	490061.24	3859766.13	1.33445	1.74978	3.41687	2.50802	3.39258	1.64294	1.75314	1.74978	13.6926681	0.787480899	8.668E-05	0.129919	1.564489	0.227293	3.026814	2.89927881	16.52947
1037	490111.24	3859766.13	1.35817	1.86725	3.56975	2.62014	3.05444	1.69364	1.87144	1.86725	13.9360568	0.840347763	9.056E-05	0.135727	1.408556	0.234307	3.23106	3.09391944	16.69223
1038	490161.24	3859766.13	1.38816	2.08428	3.98775	2.73131	2.70729	1.74276	1.99635	2.08428	14.2437815	0.938021173	0.0001012	0.141486	1.248468	0.241102	3.446719	3.45352493	16.80615
1039	490211.24	3859766.13	1.42769	2.42602	3.60365	2.85781	2.36792	1.79927	2.14333	2.42602	14.6493951	1.091819777	9.142E-05	0.148039	1.091967	0.24892	3.700481	4.01976728	16.91095
1040	490061.24	3859816.13	1.2879	1.43595	3.49569	2.2849	3.5813	1.62587	1.42504	1.43595	13.2150229	0.646243068	8.868E-05	0.118361	1.651518	0.224931	2.460346	2.37928163	15.93723
1041	490111.24	3859816.13	1.29863	1.51895	3.2351	2.39664	3.26666	1.67945	1.50783	1.51895	13.3251224	0.683596858	8.207E-05	0.124149	1.506421	0.232344	2.603284	2.51680757	15.95819
1042	490161.24	3859816.13	1.31593	1.61248	3.38882	2.5213	2.93862	1.73899	1.6003	1.61248	13.5026361	0.725689629	8.597E-05	0.130607	1.355146	0.240581	2.762934	2.67178108	16.0459
1043	490211.24	3859816.13	1.33862	1.81075	3.56992	2.65439	2.60504	1.80154	1.70063	1.81075	13.7354561	0.814920183	9.056E-05	0.137501	1.201315	0.249234	2.936155	3.00030239	16.07437
1044	490061.24	3859866.13	1.26149	1.18129	3.60494	2.10367	3.73102	1.5549	1.272	1.18129	12.9440323	0.53163444	9.145E-05	0.108973	1.720561	0.215113	2.196121	1.95732553	15.7592
1045	490111.24	3859866.13	1.26262	1.24388	3.0507	2.10622	3.45389	1.61029	1.31798	1.24388	12.9556271	0.559802798	7.739E-05	0.109105	1.592763	0.222776	2.275506	2.06103335	15.65462
1046	490161.24	3859866.13	1.26928	1.31461	3.03977	2.13564	3.15181	1.67115	1.35528	1.31461	13.0239648	0.591634528	7.711E-05	0.110629	1.453458	0.231195	2.339905	2.17822865	15.57264
1047	490211.24	3859866.13	1.28157	1.4231	3.20609	2.25685	2.83432	1.73667	1.38088	1.4231	13.1500713	0.640459982	8.133E-05	0.116908	1.307048	0.24026	2.384103	2.35798996	15.48094
1048	490061.24	3859916.13	1.25007	1.02881	3.04628	1.98689	3.83801	1.43193	1.14494	1.02881	12.8268527	0.463011478	7.728E-05	0.102924	1.7699	0.198101	1.976751	1.70467547	15.63294
1049	490111.24	3859916.13	1.24357	1.06895	3.01663	1.99765	3.60631	1.47859	1.20775	1.06895	12.7601568	0.481076311	7.653E-05	0.103481	1.663051	0.204556	2.085193	1.771185	15.52641
1050	490161.24	3859916.13	1.24159	1.10904	2.76568	1.99749	3.33521	1.52783	1.25333	1.10904	12.7398402	0.499118641	7.016E-05	0.103473	1.538033	0.211368	2.163887	1.83761169	15.41818
1051	490211.24	3859916.13	1.2442	1.14584	2.81767	1.99494	3.03785	1.57959	1.28317	1.14584	12.7666212	0.515680321	7.148E-05	0.103341	1.400906	0.218529	2.215406	1.89858704	15.32197
1052	490229.25	3859815.26	1.35005	1.91592	3.608	2.71956	2.48468	1.83023	1.7541	1.91592	13.8527383	0.862251485	9.153E-05	0.140877	1.145811	0.253203	3.028471	3.17456267	16.10888
1053	490279.25	3859815.26	1.38113	2.19061	3.22444	2.86443	2.15924	1.89622	1.86632	2.19061	14.1716473	0.985874528	8.18E-05	0.148381	0.995734	0.262333	3.22222	3.62970725	16.15657
1054	490329.25	3859815.26	1.41878	2.49254	3.45052	3.02272	1.9268	1.967	2.0234	2.49254	14.5579705	1.121756815	8.753E-05	0.156581	0.888545	0.272125	3.493421	4.12998686	16.3605
1055	490379.25	3859815.26	1.47991	2.83072	3.85944	3.23607	2.00019	2.06537	2.41151	2.83072	15.1852197	1.273953257	9.791E-05	0.167633	0.922388	0.285734	4.163496	4.69033051	17.30819
1056	490429.25	3859815.26	1.54527	3.20232	3.90729	3.51348	2.04511	2.19467	2.83111	3.20232	15.8558726	1.441190225	9.912E-05	0.182003	0.943103	0.303622	4.88794	5.30604906	18.30778
1057	490229.25	3859865.26	1.28809	1.4903	3.15839	2.31197	2.71459	1.76373	1.39865	1.4903	13.2169724	0.67070305	8.012E-05	0.119763	1.251834	0.244003	2.414783	2.46933627	15.4488
1058	490279.25	3859865.26	1.30667	1.67899	3.26405	2.44343	2.39145	1.83411	1.47914	1.67899	13.4076201	0.755622166	8.28E-05	0.126573	1.102818	0.25374	2.55375	2.7819841	15.41822
1059	490329.25	3859865.26	1.32981	1.89993	3.06998	2.58724	2.07818	1.91032	1.56837	1.89993	13.6450575	0.855055255	7.788E-05	0.134023	0.958353	0.264283	2.707807	3.14806821	15.41659
1060	490379.25	3859865.26	1.35764	2.15622	3.32435	2.7598	1.88077	2.00249	1.68454	2.15622	13.9306186	0.970397458	8.433E-05	0.142961	0.867318	0.277035	2.908375	3.57272512	15.52406
1061	490429.25	3859865.26	1.38897	2.43212	3.36444	2.96487	1.95304	2.1133	1.99972	2.43212	14.2520928	1.094565056	8.535E-05	0.153584	0.900645	0.292365	3.452537	4.02987461	16.116
1062	490229.25	3859915.26	1.24727	1.19523	2.85826	1.99982	2.92533	1.60334	1.29517	1.19523	12.7981222	0.537908077	7.251E-05	0.103593	1.349017	0.221814	2.236124	1.98042326	15.26623
1063	490279.25	3859915.26	1.25631	1.32702	2.9497	1.99217	2.61025	1.658	1.30832	1.32702	12.8908808	0.597219595	7.483E-05	0.103197	1.203718	0.229376	2.258828	2.19879126	15.0845
1064	490329.25	3859915.26	1.27022	1.48591	2.94068	2.10172	2.30008	1.71942	1.31509	1.48591	13.03361	0.66872735	7.46E-05	0.108872	1.060683	0.237873	2.270516	2.46206231	14.91829
1065	490379.25	3859915.26	1.28817	1.67363	2.88153	2.233	2.00143	1.78838	1.31188	1.67363	13.2177933	0.753209921	7.31E-05	0.115673	0.92296	0.247414	2.264974	2.7731029	14.74899
1066	490429.25	3859915.26	1.30884	1.88145	3.11491	2.32736	1.83378	1.86281	1.41476	1.88145	13.4298863	0.846738411	7.902E-05	0.12056	0.845648	0.257711	2.442597	3.11744798	14.82577
1067	490451.43	3859872.59	1.39219	2.45467	3.35539	2.94523	1.96051	2.13455	2.03337	2.45467	14.2851329	1.104713585	8.512E-05	0.152567	0.90409	0.295305	3.510634	4.06723858	16.18529
1068	490501.43	3859872.59	1.44596	2.74781	3.56217	3.2076	1.99634	2.284	2.36778	2.74781	14.8368619	1.236639971	9.036E-05	0.166158	0.920613	0.31598	4.087996	4.55295369	17.01139
1069	490551.43	3859872.59	1.50186	3.10757	3.47355	3.56091	2.00704	2.48779	2.76268	3.10757	15.4104467	1.398548398	8.812E-05	0.18446	0.925547	0.344174	4.769795	5.14905409	17.88401
1070	490601.43	3859872.59	1.5569	3.51822	3.12444	3.9824	1.98697	2.73849	3.19653	3.51822	15.975207	1.583359649	7.926E-05	0.206294	0.916292	0.378857	5.518841	5.82947611	18.74945
1071	490451.43	3859922.59	1.30878	1.90978	3.16102	2.3184	1.85063	1.85628	1.45171	1.90978	13.4292706	0.859488205	8.019E-05	0.120096	0.853419	0.256807	2.506392	3.16438906	14.86116
1072	490501.43	3859922.59	1.3311	2.13866	3.26136	2.35777	1.91455	1.94642	1.71075	2.13866	13.6582941	0.962494656	8.273E-05	0.122136	0.882895	0.269278	2.953627	3.54362927	15.30518
1073	490551.43	3859922.59	1.36758	2.40254	3.22486	2.47655	1.95403	2.06692	2.00881	2.40254	14.032612	1.081252705	8.181E-05	0.128289	0.901102	0.285948	3.468231	3.98086235	15.91665
1074	490601.43	3859922.59	1.41769	2.69806	3.34383	2.70247	1.96654	2.21028	2.33924	2.69806	14.5467861	1.214250199	8.483E-05	0.139992	0.906871	0.305781	4.038722	4.47052098	16.68197
1075	482129.67	3852241.07	0.94402	1.8819	0.73939	0.40992	0.86555	0.43856	1.80903	1.8819	9.68650197	0.846940932	1.876E-05	0.021234	0.399149	0.060673	3.123309	3.1181936	11.01963
1076	482029.67	3852291.07	1.03728	2.361	0.79077	0.43869	0.97785	0.48436	2.3664	2.361	10.6434342	1.062557808	2.006E-05	0.022725	0.450936	0.067009	4.085614	3.9120331	12.42026
1077	482079.67	3852291.07	1.02324	2.20996	0.74451	0.424	0.95263	0.46698	2.07508	2.20996	10.4993711	0.994582911	1.889E-05	0.021964	0.439306	0.064604	3.582647	3.66176903	11.94072
1078	482129.67	3852291.07	0.98925	2.03691	0.73291	0.41466	0.92077	0.45226	1.9158	2.03691	10.1506028	0.91670251	1.859E-05	0.02148	0.424613	0.062568	3.307648	3.37503572	11.5086
1079	482179.67	3852291.07	0.93587	1.85129	0.7495	0.41344	0.88324	0.44303	1.83302	1.85129	9.60287557	0.833165034	1.901E-05	0.021417	0.407306	0.061291	3.164728	3.0674747	11.02333

1080	482229.67	3852291.07	0.87588	1.56635	0.78607	0.42064	0.84041	0.45112	1.57978	1.56635	8.98732373	0.704929023	1.994E-05	0.02179	0.387555	0.06241	2.727506	2.59534648	10.29619
1081	482029.67	3852341.07	1.06854	2.67262	0.84535	0.45684	1.00917	0.5049	2.68453	2.67262	10.9641902	1.202801037	2.144E-05	0.023665	0.465379	0.06985	4.634868	4.42836845	12.93241
1082	482079.67	3852341.07	1.05809	2.39945	0.77158	0.44023	0.99295	0.48569	2.33651	2.39945	10.8569637	1.079862064	1.957E-05	0.022805	0.457899	0.067193	4.034008	3.97574241	12.54301
1083	482129.67	3852341.07	1.03357	2.21144	0.73972	0.42485	0.96872	0.46819	2.06024	2.21144	10.6053662	0.995248979	1.877E-05	0.022008	0.446726	0.064772	3.557025	3.6642213	12.02694
1084	482179.67	3852341.07	0.98565	2.04622	0.74017	0.41643	0.93794	0.45371	1.97283	2.04622	10.1136636	0.920892435	1.878E-05	0.021572	0.432531	0.062769	3.406111	3.39046183	11.5671
1085	482259.06	3852400.14	0.93051	1.85426	0.79855	0.41123	0.93979	0.47268	1.87234	1.85426	9.54787711	0.834501669	2.026E-05	0.021302	0.433384	0.065393	3.232614	3.0723958	11.0627
1086	482309.06	3852400.14	0.86064	1.53688	0.82808	0.42008	0.90366	0.60467	1.57021	1.53688	8.8309475	0.691666177	2.101E-05	0.021761	0.416723	0.083653	2.710983	2.54651649	10.20924
1087	482209.06	3852450.14	1.06904	2.36214	0.77733	0.43019	1.01447	0.47883	2.24353	2.36214	10.9693206	1.06307086	1.972E-05	0.022284	0.467823	0.066244	3.873477	3.91392201	12.54832
1088	482259.06	3852450.14	0.99594	2.11842	0.78362	0.41773	0.99005	0.47001	2.10209	2.11842	10.2192483	0.953385732	1.988E-05	0.021639	0.456562	0.065024	3.62928	3.51009282	11.83507
1089	482309.06	3852450.14	0.91256	1.75992	0.80867	0.41714	0.96038	0.56465	1.81976	1.75992	9.36369382	0.792044362	2.051E-05	0.021608	0.44288	0.078117	3.141834	2.91608017	10.92412
1090	482209.06	3852500.14	1.13279	2.62516	0.78773	0.4516	1.04683	0.49911	2.45023	2.62516	11.6234535	1.18144187	1.998E-05	0.023394	0.482746	0.069049	4.230347	4.34973012	13.26072
1091	482259.06	3852500.14	1.06944	2.38874	0.77243	0.43229	1.03194	0.48036	2.32661	2.38874	10.973425	1.075042075	1.959E-05	0.022393	0.47588	0.066455	4.016916	3.95799659	12.67213
1092	482309.06	3852500.14	0.97889	2.05824	0.7896	0.42151	1.00965	0.50382	2.09551	2.05824	10.0442998	0.926301984	2.003E-05	0.021835	0.4656	0.069701	3.617919	3.41037823	11.7353
1093	482283.91	3852513.62	1.04709	2.32392	0.77656	0.42924	1.03209	0.47694	2.30211	2.32392	10.7440937	1.045870115	1.97E-05	0.022235	0.475949	0.065982	3.974616	3.8505938	12.47817
1094	482333.91	3852513.62	0.94843	1.93864	0.80854	0.41984	1.00756	0.56034	2.00456	1.93864	9.73175257	0.872476522	2.051E-05	0.021748	0.464637	0.07752	3.460893	3.21220832	11.41684
1095	482283.91	3852563.62	1.12932	2.62722	0.78054	0.4477	1.06359	0.49565	2.55396	2.62722	11.5878481	1.182368964	1.98E-05	0.023191	0.490475	0.068571	4.409438	4.35314341	13.40877
1096	482333.91	3852563.62	1.02601	2.29	0.79866	0.42861	1.04785	0.55506	2.32612	2.29	10.5277938	1.030604566	2.026E-05	0.022203	0.483216	0.07679	4.01607	3.79439043	12.36231
1097	482383.91	3852563.62	0.91446	1.84159	0.84349	0.41865	1.02311	0.65889	1.9021	1.84159	9.38318954	0.828799591	2.14E-05	0.021687	0.471808	0.091154	3.283995	3.05140239	11.02925
1098	482283.91	3852613.62	1.2194	2.95734	0.7707	0.4778	1.08706	0.51996	2.82232	2.95734	12.5121507	1.330938038	1.955E-05	0.024751	0.501298	0.071934	4.872764	4.90013213	14.41372
1099	482333.91	3852613.62	1.12143	2.64537	0.78595	0.44869	1.07972	0.54916	2.63901	2.64537	11.5068896	1.190537293	1.994E-05	0.023243	0.497913	0.075974	4.556278	4.38321686	13.46764
1100	482383.91	3852613.62	0.99462	2.19496	0.82635	0.42773	1.0636	0.667	2.28301	2.19496	10.2057039	0.987832226	2.096E-05	0.022157	0.49048	0.092276	3.94164	3.63691494	12.10319
1101	482602.38	3852600.87	1.35366	2.53812	1.10358	0.53617	0.88938	0.65122	1.64005	2.53812	13.8897801	1.142269896	2.8E-05	0.027774	0.410138	0.090093	2.831563	4.20551014	14.18614
1102	482652.38	3852600.87	1.33971	2.19607	1.05905	0.51501	0.83329	0.63128	1.49075	2.19607	13.7466405	0.988331777	2.687E-05	0.026678	0.384272	0.087334	2.573795	3.63875414	14.16832
1103	482702.38	3852600.87	1.31449	1.40573	1.48392	0.53433	0.77479	0.636	1.26839	1.40573	13.4878604	0.632642689	3.764E-05	0.027679	0.357295	0.087987	2.189888	2.32920893	14.45418
1104	482552.38	3852650.87	1.33151	2.47176	1.22642	0.54804	1.00313	0.7533	1.71578	2.47176	13.662501	1.112404866	3.111E-05	0.028389	0.462594	0.104215	2.962312	4.09555567	14.23689
1105	482602.38	3852650.87	1.38252	2.58677	1.17739	0.55248	0.95918	0.67214	1.77635	2.58677	14.1859099	1.164164617	2.987E-05	0.028619	0.442326	0.092987	3.066886	4.28612023	14.6948
1106	482652.38	3852650.87	1.365	2.26994	1.01716	0.53365	0.90789	0.62826	1.61099	2.26994	14.0061388	1.02157665	2.58E-05	0.027644	0.418674	0.086917	2.781391	3.76115223	14.58121
1107	482702.38	3852650.87	1.31708	1.61323	1.46358	0.51125	0.85118	0.63508	1.29641	1.61323	13.5144361	0.726027163	3.713E-05	0.026483	0.392522	0.08786	2.238265	2.67302379	14.31261
1108	482552.38	3852700.87	1.35991	2.58985	1.2416	0.54457	1.05889	0.75789	1.83948	2.58985	13.9539108	1.165550758	3.15E-05	0.028209	0.488308	0.10485	3.175881	4.2912236	14.62552
1109	482602.38	3852700.87	1.41656	2.67189	1.23514	0.56279	1.02208	0.69724	1.82278	2.67189	14.5351912	1.202472504	3.133E-05	0.029153	0.471333	0.09646	3.147048	4.42715888	15.05453
1110	482652.38	3852700.87	1.38997	2.32293	1.09436	0.54395	0.9744	0.66546	1.63677	2.32293	14.2623537	1.04542457	2.776E-05	0.028177	0.449345	0.092063	2.8259	3.84895343	14.85434
1111	482702.38	3852700.87	1.33752	1.72044	1.43944	0.52236	0.92471	0.66155	1.35676	1.72044	13.7241691	0.774276559	3.652E-05	0.027059	0.42643	0.091522	2.34246	2.85066422	14.53529
1112	482452.38	3852750.87	1.09541	2.68032	0.86218	0.48135	1.12679	0.80824	2.81667	2.68032	11.2399008	1.206266389	2.187E-05	0.024935	0.51962	0.111816	4.863009	4.44112688	13.52444
1113	482521.29	3852749.74	1.29987	2.49607	1.15335	0.47462	1.11424	0.8143	2.00578	2.49607	13.3378459	1.123345476	2.926E-05	0.024586	0.513832	0.112654	3.463	4.13583586	14.43946
1114	482571.29	3852749.74	1.42769	2.85094	1.26994	0.54651	1.09305	0.75959	2.02005	2.85094	14.6493951	1.28305318	3.222E-05	0.02831	0.50406	0.105086	3.487637	4.72383382	15.33374
1115	482521.29	3852799.74	1.3231	2.60517	1.11896	0.48015	1.13998	0.84979	2.24601	2.60517	13.5762068	1.172445458	2.839E-05	0.024872	0.525702	0.117564	3.877759	4.31660791	14.97797
1116	482571.29	3852799.74	1.47025	3.06193	1.27058	0.522	1.13017	0.79289	2.219	3.06193	15.0860994	1.378008314	3.223E-05	0.02704	0.521178	0.109692	3.831126	5.07343139	15.87975
1117	482621.29	3852799.74	1.51148	3.03914	1.30064	0.57409	1.11072	0.72313	2.08444	3.03914	15.5091566	1.367751774	3.299E-05	0.029739	0.512209	0.100041	3.598807	5.03566975	16.08207
1118	482571.29	3852849.74	1.51972	3.30032	1.26382	0.49002	1.15661	0.82748	2.45964	3.30032	15.5937065	1.4852947	3.206E-05	0.025384	0.533371	0.114478	4.246593	5.46842909	16.53043
1119	482621.29	3852849.74	1.57732	3.31037	1.34079	0.57008	1.14951	0.74823	2.28697	3.31037	16.1847347	1.489817658	3.401E-05	0.029531	0.530097	0.103514	3.948477	5.48508133	16.80112
1120	482577.42	3852901.55	1.58677	3.65494	1.2668	0.51962	1.17187	0.85575	2.79492	3.65494	16.2817003	1.644889892	3.214E-05	0.026917	0.540408	0.118389	4.825458	6.05601282	17.38178
1121	482627.42	3852901.55	1.65568	3.60492	1.37608	0.55972	1.17658	0.7675	2.50437	3.60492	16.9887795	1.622378608	3.491E-05	0.028994	0.54258	0.10618	4.32382	5.97313272	17.63963
1122	482629.96	3852955.85	1.74588	3.99025	1.39795	0.53377	1.1891	0.79681	2.81903	3.99025	17.9143133	1.795794703	3.546E-05	0.02765	0.548354	0.110235	4.867084	6.61160105	18.65186
1123	482679.96	3852955.85	1.65627	3.53164	1.39563	0.61482	1.19591	0.72635	2.43175	3.53164	16.9948334	1.589399262	3.54E-05	0.031849	0.551494	0.100487	4.198441	5.85171223	17.61483
1124	482781.63	3853034.48	1.50618	1.98569	1.68135	0.67958	1.22673	0.76237	1.99956	1.98569	15.4547738	0.893651171	4.265E-05	0.035203	0.565707	0.10547	3.452261	3.2901673	17.21694
1125	482831.63	3853034.48	1.4037	1.77894	2.22512	0.65095	1.22082	0.81869	1.79282	1.77894	14.403236	0.80060423	5.645E-05	0.03372	0.562982	0.113262	3.095322	2.94759516	16.06159
1126	482881.63	3853034.48	1.32915	1.59205	2.68009	0.60875	1.20274	0.864	1.60634	1.59205	13.6382853	0.716495196	6.799E-05	0.031534	0.554644	0.11953	2.773362	2.63792982	15.19599
1127	482781.63	3853084.48	1.56884	2.17647	1.59663	0.70247	1.23785	0.76472	2.20479	2.17647	16.0977222	0.979510882	4.05E-05	0.036389	0.570835	0.105795	3.806592	3.60627814	17.99061
1128	482831.63	3853084.48	1.44969	1.93457	2.1523	0.69054	1.24601	0.82495	1.95449	1.93457	14.8751351	0.870644837	5.46E-05	0.035771	0.574598	0.114128	3.374447	3.20546458	16.63931
1129	482881.63	3853084.48	1.36243	1.74408	2.6477	0.647	1.24122	0.88354	1.76116	1.74408	13.9797683	0.784915638	6.717E-05	0.033516	0.572389	0.122233	3.040661	2.88983426	15.64372
1130	482781.63	3853134.48	1.64213	2.18385	1.5197	0.70568	1.23179	0.7664	2.22383	2.18385	16.8497442	0.982832219	3.855E-05	0.036555	0.56804	0.106028	3.839465	3.61850635	18.7642
1131	482831.63	3853134.48	1.50196	2.00414	2.08594	0.72457	1.25414	0.8239	2.03612	2.00414	15.4114727	0.901954513	5.292E-05	0.037534	0.578347	0.113983	3.515382	3.32073783	17.23799
1132	482881.63	3853134.48	1.39882	1.84052	2.61918	0.68482	1.26294	0.89042	1.86607	1.84052	14.3531627	0.828318042	6.644E-05	0.035475	0.582405	0.123185	3.221789	3.04962946	16.09477
1133	482831.63	3853184.48	1.56407	1.95926	2.01559	0.74912	1.24487	0.8217	1.99113	1.95926	16.0487777	0.881756464	5.113E-05	0.038805	0.574072	0.113678	3.437706	3.24637441	17.84847
1134	482881.63	3853184.48	1.44287	1.84401	2.58345	0.72635	1.26823	0.88881	1.87243	1.84401	14.8051557	0.829888701	6.554E-05	0.037626	0.584845	0.122963	3.232769	3.05541218	16.5579
1135	484154.84	3854250.98	1.51465	0.43056	1.21476	1.5125	2.09288	0.9732	1.13337	0.43056	15.5416837	0.19377166	3.082E-05	0.07835	0.965132	0.134637	1.956775	0.71341168	18.15697
1136	484204.84	3854250.98	1.50265	0.41216	1.26682	1.56454	2.07616	0.94584	1.05203	0.41216	15.4185528	0.18549082	3.214E-05	0.081045	0.957422	0.130852	1.81634	0.682924	17.90681

1137	484154.84	3854300.98	1.58815	0.45076	1.24943	1.47788	2.06199	0.98098	1.18046	0.45076
1138	484204.84	3854300.98	1.56551	0.41511	1.64114	1.60231	2.09937	0.99276	1.14401	0.41511
1139	484074.19	3854519.8	1.92823	0.36644	1.99498	2.85948	1.55768	1.32849	1.30627	0.36644
1140	484124.19	3854519.8	1.91588	0.38775	1.84297	2.51291	1.30627	1.32712	1.11156	0.38775
1141	484074.19	3854569.8	2.0118	0.32248	1.78569	4.15413	1.90741	1.51249	1.40558	0.32248
1142	484124.19	3854569.8	2.01008	0.34934	2.05193	2.90863	1.61545	1.33489	1.35127	0.34934
1143	485205.11	3855188.89	1.87129	0.37236	1.43747	3.13951	2.92546	1.65874	1.60049	0.37236
1144	485255.11	3855188.89	1.8296	0.3403	1.36984	2.64307	2.95479	1.50665	1.45358	0.3403
1145	485205.11	3855238.89	1.98214	0.38513	1.31272	4.13965	2.8128	1.72909	1.7448	0.38513
1146	485255.11	3855238.89	1.91239	0.36673	1.282	3.26483	2.95849	1.53563	1.56177	0.36673
1147	485205.11	3855288.89	2.04201	0.39807	1.56395	6.74659	2.62751	2.26604	2.05046	0.39807
1148	485255.11	3855288.89	1.97367	0.38861	1.49469	4.57339	2.86311	1.8264	1.73915	0.38861
1149	485255.11	3855338.89	2.05352	0.39861	1.62574	7.43496	2.70838	2.38635	2.10262	0.39861
1150	485305.11	3855338.89	1.98098	0.38833	1.62205	5.01637	2.89764	1.89855	1.76672	0.38833
1151	485852.5	3855635.28	1.79261	0.33789	2.0548	2.43891	3.69717	1.38009	1.09615	0.33789
1152	485902.5	3855635.28	1.77908	0.33542	1.85482	2.17126	3.52014	1.26459	1.0074	0.33542
1153	485852.5	3855685.28	1.84513	0.33868	2.16735	2.85709	3.88041	1.50441	1.23966	0.33868
1154	485902.5	3855685.28	1.82588	0.33405	2.31195	2.46338	3.80202	1.34841	1.10434	0.33405
1155	485852.5	3855735.28	1.90442	0.34174	3.09489	3.7192	3.92522	1.64396	1.4307	0.34174
1156	485902.5	3855735.28	1.87188	0.33791	2.99988	3.02492	3.98843	1.47108	1.27036	0.33791
1157	485852.5	3855785.28	1.9656	0.35142	3.10292	4.88749	4.12553	1.90483	1.65319	0.35142
1158	485902.5	3855785.28	1.93421	0.34097	2.64771	3.89171	4.01494	1.6104	1.46173	0.34097
1159	486809.46	3856465.28	1.92608	0.35464	1.31856	2.92133	8.94451	1.37904	1.18926	0.35464
1160	486859.46	3856465.28	1.8841	0.35528	1.26787	2.57401	10.5139	1.26228	1.11764	0.35528
1161	486909.46	3856465.28	1.84742	0.35503	1.21111	2.28132	11.4196	1.15326	1.04799	0.35503
1162	486809.46	3856515.28	1.9775	0.35777	1.42419	3.3959	9.60854	1.51383	1.27559	0.35777
1163	486859.46	3856515.28	1.92844	0.35945	1.41048	2.95778	9.85647	1.38467	1.19492	0.35945
1164	486909.46	3856515.28	1.88582	0.35998	1.38445	2.6128	11.4221	1.26919	1.12199	0.35998
1165	486980.94	3856357.95	1.72913	0.34897	1.38969	1.5214	10.2554	0.9855	0.7943	0.34897
1166	487030.94	3856357.95	1.69882	0.35105	1.42417	1.41919	9.75452	0.98571	0.74837	0.35105
1167	486980.94	3856407.95	1.75628	0.35212	1.46366	1.64891	11.1055	1.04146	0.86446	0.35212
1168	487030.94	3856407.95	1.72509	0.35306	1.55369	1.53441	10.7766	1.04125	0.8097	0.35306
1169	487447.18	3856437.45	1.46898	0.38342	0.98771	1.01845	15.9261	0.80828	0.61691	0.38342
1170	487497.18	3856437.45	1.43641	0.39008	0.96217	0.98064	16.2314	0.81499	0.61234	0.39008
1171	487547.18	3856437.45	1.40346	0.39639	0.93701	0.95074	16.9424	0.81898	0.60951	0.39639
1172	487447.18	3856487.45	1.48918	0.37749	1.01202	1.06455	17.6636	0.83778	0.63154	0.37749
1173	487497.18	3856487.45	1.45632	0.38414	0.99727	1.02133	17.9894	0.84351	0.61993	0.38414
1174	487547.18	3856487.45	1.42245	0.39124	0.98224	0.98274	18.535	0.84986	0.61111	0.39124
1175	487447.18	3856537.45	1.51125	0.37292	1.02324	1.1143	18.6546	0.86858	0.65108	0.37292
1176	487497.18	3856537.45	1.47793	0.3781	0.99426	1.06635	18.9056	0.87288	0.63375	0.3781
1177	487547.18	3856537.45	1.44242	0.38616	0.98193	1.02539	19.2927	0.88272	0.61992	0.38616
1178	489285.89	3858826.54	1.70883	1.17746	1.47045	6.06294	5.05159	2.55939	1.09739	1.17746
1179	489335.89	3858826.54	1.64975	1.13776	1.51026	5.04406	4.3964	2.35789	1.04073	1.13776
1180	489385.89	3858826.54	1.59276	1.09423	1.52576	4.35068	3.75245	2.19692	0.98789	1.09423
1181	489435.89	3858826.54	1.53748	1.04745	1.52004	3.86831	3.4643	2.06708	0.94736	1.04745
1182	489485.89	3858826.54	1.48456	1.00272	1.49432	3.50165	3.50871	1.95837	0.92102	1.00272
1183	489535.89	3858826.54	1.43462	0.95676	3.07115	3.20972	3.50848	1.86421	0.89729	0.95676
1184	489585.89	3858826.54	1.38742	0.91373	3.44537	2.97581	3.44138	1.78198	0.87572	0.91373
1185	489635.89	3858826.54	1.34317	0.87602	3.14919	2.7831	3.3191	1.70956	0.8477	0.87602
1186	489685.89	3858826.54	1.30139	0.84666	2.62027	2.62136	3.14941	1.64448	0.81423	0.84666
1187	489735.89	3858826.54	1.26161	0.81649	3.89441	2.4824	3.37746	1.58554	0.78999	0.81649
1188	489785.89	3858826.54	1.22288	0.78715	2.26311	2.36535	3.6533	1.53408	0.7691	0.78715
1189	489835.89	3858826.54	1.18656	0.75986	1.85339	2.25953	3.89183	1.48096	0.74811	0.75986
1190	489885.89	3858826.54	1.15058	0.73897	2.93314	2.16546	4.07578	1.43384	0.72969	0.73897
1191	489935.89	3858826.54	1.1162	0.71775	2.66933	2.08197	4.21312	1.39471	0.71118	0.71775
1192	489985.89	3858826.54	1.08332	0.69626	1.45766	2.03213	4.30407	1.37462	0.69187	0.69626
1193	490035.89	3858826.54	1.0528	0.67198	1.59839	1.99186	4.44804	1.34812	0.67048	0.67198

16.2958604	0.202862583	3.17E-05	0.076556	0.950887	0.135714	2.038076	0.74688185	18.95311
16.0635534	0.186818455	4.163E-05	0.083002	0.968125	0.137343	1.975145	0.68781197	18.72622
19.7853898	0.164914732	5.061E-05	0.148125	0.718325	0.18379	2.255288	0.60716875	22.64871
19.6586676	0.174505205	4.675E-05	0.130172	0.602387	0.183601	1.91912	0.64247812	22.02602
20.6428939	0.145130725	4.53E-05	0.21519	0.879603	0.209246	2.426748	0.53432971	23.98453
20.6252451	0.157218952	5.205E-05	0.150671	0.744965	0.184676	2.332981	0.57883509	23.61697
19.2011337	0.167579003	3.647E-05	0.162631	1.349077	0.229479	2.763262	0.61697783	23.25622
18.7733565	0.153150539	3.475E-05	0.136915	1.362602	0.208438	2.509621	0.56385636	22.58026
20.3385553	0.173326086	3.33E-05	0.21444	1.297124	0.239211	3.012415	0.63813694	24.63697
19.622857	0.165045246	3.252E-05	0.169123	1.364309	0.212447	2.696412	0.60764926	23.62258
20.9528759	0.179149677	3.967E-05	0.349483	1.211677	0.313496	3.54014	0.65957773	25.88728
20.2516455	0.174892245	3.792E-05	0.236908	1.320324	0.252674	3.00266	0.64390308	24.59524
21.0709789	0.179392701	4.124E-05	0.385141	1.24897	0.33014	3.630195	0.66047248	26.18439
20.3266527	0.174766232	4.115E-05	0.259855	1.336248	0.262655	3.05026	0.64343914	24.76704
18.3938055	0.152065929	5.213E-05	0.126339	1.704951	0.190929	1.892514	0.55986314	21.90079
18.2549754	0.150954316	4.705E-05	0.112474	1.623314	0.17495	1.739286	0.5557705	21.50023
18.9327084	0.152421465	5.498E-05	0.148001	1.789452	0.208128	2.140286	0.56117212	22.80988
18.7351859	0.150337753	5.865E-05	0.127607	1.753303	0.186546	1.906654	0.55350049	22.30619
19.5410776	0.153798605	7.851E-05	0.19266	1.810117	0.227434	2.470118	0.56624235	23.82904
19.2071877	0.15207493	7.61E-05	0.156695	1.839266	0.203517	2.193289	0.55989627	23.19221
20.1688399	0.158155047	7.871E-05	0.253179	1.90249	0.263524	2.854249	0.58228152	25.01823
19.84675	0.153452069	6.717E-05	0.201596	1.851491	0.222791	2.523692	0.56496651	24.23487
19.7633289	0.159604194	3.345E-05	0.151329	4.124764	0.190783	2.053269	0.58761687	25.8555
19.332576	0.159892223	3.216E-05	0.133337	4.848489	0.17463	1.929617	0.58867731	25.9899
18.9562059	0.159779711	3.072E-05	0.118176	5.266134	0.159548	1.809365	0.58826307	25.88098
20.2909447	0.161012837	3.613E-05	0.175912	4.430982	0.209431	2.202319	0.59280308	26.87783
19.7875446	0.161768913	3.578E-05	0.153217	4.545315	0.191562	2.063041	0.59558674	26.3069
19.3502247	0.162007437	3.512E-05	0.135347	5.267306	0.175586	1.937127	0.59646492	26.43117
17.7424431	0.157052435	3.525E-05	0.078811	4.729268	0.136339	1.371367	0.57822202	23.63709
17.431435	0.15798853	3.613E-05	0.073516	4.4983	0.136368	1.292068	0.58166845	23.00804
18.0210268	0.158470079	3.713E-05	0.085416	5.121315	0.144081	1.492499	0.58344138	24.4394
17.700989	0.158893121	3.941E-05	0.079485	4.969647	0.144052	1.397955	0.5849989	23.86606
15.073068	0.172556508	2.506E-05	0.052757	7.344322	0.111822	1.065101	0.63530357	23.18435
14.7388703	0.175553812	2.441E-05	0.050799	7.485097	0.11275	1.057211	0.64633879	22.97397
14.4007733	0.1783936	2.377E-05	0.04925	7.812989	0.113302	1.052325	0.65679407	22.95026
15.2803383	0.169887737	2.567E-05	0.055145	8.145557	0.115903	1.09036	0.62547792	24.23174
14.9431649	0.172880541	2.53E-05	0.052906	8.295832	0.116695	1.070315	0.63649657	24.01532
14.595628	0.176075865	2.492E-05	0.050907	8.547403	0.117574	1.055088	0.64826083	23.89444
15.5067966	0.167831028	2.596E-05	0.057722	8.602571	0.120164	1.124096	0.61790571	24.9613
15.1649031	0.170162265	2.522E-05	0.055238	8.718343	0.120759	1.094176	0.62648866	24.69712
14.8005383	0.173789633	2.491E-05	0.053117	8.896836	0.12212	1.070298	0.63984358	24.47688
17.5341467	0.529910765	3.73E-05	0.314069	2.329543	0.354079	1.894655	1.95097946	21.00546
16.9279323	0.512043953	3.831E-05	0.261289	2.027401	0.326203	1.796831	1.88519897	19.96654
16.3431632	0.492453465	3.871E-05	0.225371	1.730444	0.303933	1.705602	1.81307242	18.98793
15.7759402	0.471400329	3.856E-05	0.200384	1.597563	0.28597	1.635627	1.73556081	18.23136
15.232933	0.451269786	3.791E-05	0.18139	1.618043	0.270931	1.59015	1.66144593	17.68331
14.7205032	0.430585688	7.791E-05	0.166268	1.617937	0.257904	1.54918	1.58529301	17.15716
14.2361884	0.411220223	8.74E-05	0.154151	1.586994	0.246528	1.511939	1.51399492	16.63311
13.7821432	0.394249001	7.989E-05	0.144168	1.530604	0.236509	1.463563	1.45151175	16.0998
13.3534425	0.38103566	6.647E-05	0.13579	1.452352	0.227506	1.405776	1.40286402	15.5531
12.9452636	0.367457783	9.879E-05	0.128592	1.557517	0.219352	1.363926	1.35287417	15.22933
12.5478587	0.354253443	5.741E-05	0.122528	1.684721	0.212232	1.327859	1.30425957	14.94525
12.1751825	0.341971697	4.702E-05	0.117047	1.794719	0.204884	1.291619	1.25904171	14.66643
11.805995	0.332570243	7.441E-05	0.112174	1.879547	0.198365	1.259817	1.22442825	14.36411
11.453225	0.323020274	6.772E-05	0.107849	1.942882	0.192951	1.227859	1.189268	14.05859
11.1158464	0.313348793	3.698E-05	0.105267	1.984823	0.190172	1.194521	1.15366038	13.75035
10.8026835	0.302421684	4.055E-05	0.103181	2.051215	0.186506	1.157591	1.1134299	13.49021

1194	489285.89	3858876.54	1.73512	1.25863	1.52196	6.8542	5.44267	2.78281	1.21292	1.25863	17.803906	0.566440972	3.861E-05	0.355057	2.509889	0.384988	2.094119	2.0854732	21.62897
1195	489335.89	3858876.54	1.68366	1.20658	1.56638	5.57264	4.83321	2.50231	1.14109	1.20658	17.2758796	0.543016095	3.974E-05	0.288671	2.228837	0.346182	1.970103	1.99922952	20.6535
1196	489385.89	3858876.54	1.63128	1.16444	1.38395	4.74376	4.20135	2.29726	1.07962	1.16444	16.7384133	0.524051171	3.511E-05	0.245733	1.937454	0.317815	1.863975	1.92940611	19.69807
1197	489435.89	3858876.54	1.57909	1.12504	1.40224	4.15035	3.57805	2.13728	1.02466	1.12504	16.2028965	0.506319372	3.557E-05	0.214994	1.650019	0.295682	1.769086	1.86412271	18.77491
1198	489485.89	3858876.54	1.52789	1.08147	1.43298	3.71632	3.3654	2.00766	0.97686	1.08147	15.6775381	0.486710882	3.635E-05	0.192511	1.551955	0.27775	1.686559	1.79192988	18.08113
1199	489535.89	3858876.54	1.47837	1.03255	2.53363	3.38297	3.39772	1.89889	0.93452	1.03255	15.1694179	0.464694648	6.427E-05	0.175243	1.56686	0.262702	1.613458	1.71087242	17.54157
1200	489585.89	3858876.54	1.43134	0.9788	3.67644	3.11363	3.41394	1.80306	0.90352	0.9788	14.6868474	0.440504694	9.326E-05	0.16129	1.57434	0.249445	1.559936	1.62181194	17.05064
1201	489635.89	3858876.54	1.38553	0.93355	3.52956	2.89565	3.36005	1.72276	0.89852	0.93355	14.2167953	0.420140128	8.954E-05	0.149999	1.549488	0.238335	1.551304	1.54683545	16.57932
1202	489685.89	3858876.54	1.34241	0.89579	2.41654	2.71331	3.25245	1.65599	0.87402	0.89579	13.7743449	0.403146404	6.13E-05	0.140553	1.499868	0.229098	1.509004	1.48426943	16.07181
1203	489735.89	3858876.54	1.30177	0.86401	3.92749	2.55882	3.09866	1.60203	0.83802	0.86401	13.3573417	0.388843953	9.963E-05	0.13255	1.428948	0.221633	1.44685	1.43161191	15.54465
1204	489785.89	3858876.54	1.26209	0.83487	2.19997	2.4284	3.1456	1.55427	0.8118	0.83487	12.9501888	0.375729622	5.581E-05	0.125795	1.450595	0.215026	1.401581	1.38332871	15.13564
1205	489835.89	3858876.54	1.22487	0.80483	2.32355	2.31235	3.42841	1.50676	0.78736	0.80483	12.5682779	0.36221025	5.894E-05	0.119783	1.581013	0.208453	1.359385	1.33355426	14.86563
1206	489885.89	3858876.54	1.18778	0.7847	3.34455	2.21655	3.66303	1.46743	0.76735	0.7847	12.1877008	0.353150831	8.484E-05	0.11482	1.689208	0.203012	1.324838	1.30020007	14.57261
1207	489935.89	3858876.54	1.15373	0.75932	2.59249	2.12622	3.86594	1.41745	0.74591	0.75932	11.8383169	0.341728672	6.577E-05	0.110141	1.78278	0.196097	1.287821	1.25814696	14.2988
1208	489985.89	3858876.54	1.12127	0.73309	1.21249	2.03548	4.02524	1.40406	0.72298	0.73309	11.5052478	0.329923974	3.076E-05	0.105441	1.856241	0.194245	1.248232	1.21468545	14.02468
1209	490035.89	3858876.54	1.08979	0.70927	2.4168	2.00826	4.13687	1.36206	0.70104	0.70927	11.1822345	0.319203887	6.131E-05	0.104031	1.907719	0.188434	1.210353	1.17521716	13.73682
1210	489285.89	3858926.54	1.74367	1.379	2.02597	8.65084	5.75627	3.31753	1.34184	1.379	17.8916367	0.620612968	5.139E-05	0.448126	2.654506	0.458964	2.3167	2.28491895	22.10568
1211	489335.89	3858926.54	1.70089	1.30034	1.66079	6.4715	5.211	2.85227	1.25383	1.30034	17.4526751	0.585212376	4.213E-05	0.335233	2.403055	0.394598	2.16475	2.15458413	21.18098
1212	489385.89	3858926.54	1.6562	1.24163	1.77154	5.27167	4.62476	2.59114	1.17837	1.24163	16.9941151	0.558790195	4.494E-05	0.27308	2.13271	0.358472	2.034468	2.05730523	20.29437
1213	489435.89	3858926.54	1.60958	1.19365	1.41425	4.49732	4.01509	2.38304	1.11427	1.19365	16.5157516	0.537197005	3.588E-05	0.232967	1.85156	0.329682	1.923798	1.9778053	19.41319
1214	489485.89	3858926.54	1.56251	1.15334	1.35202	3.94446	3.41754	2.21098	1.0564	1.15334	16.0327707	0.519055664	3.43E-05	0.204329	1.576	0.305878	1.823885	1.91101409	18.55094
1215	489535.89	3858926.54	1.51573	1.11334	1.8022	3.53209	3.27302	2.06421	1.00565	1.11334	15.5527654	0.501053837	4.572E-05	0.182967	1.509354	0.285573	1.736265	1.84473652	17.92329
1216	489585.89	3858926.54	1.46979	1.0617	3.61173	3.21269	3.29362	1.93126	0.9584	1.0617	15.0813793	0.477813479	9.162E-05	0.166422	1.518854	0.26718	1.654687	1.75917219	17.40726
1217	489635.89	3858926.54	1.42496	1.00668	3.85814	2.97477	3.3169	1.80361	0.91725	1.00668	14.6213829	0.453051967	9.787E-05	0.154097	1.52959	0.249521	1.583641	1.6680074	16.92337
1218	489685.89	3858926.54	1.38218	0.9543	2.76979	2.77739	3.28147	1.73638	0.90539	0.9543	14.1824212	0.429478575	7.026E-05	0.143873	1.513251	0.24022	1.563165	1.58121694	16.49126
1219	489735.89	3858926.54	1.33994	0.91914	3.91035	2.61351	3.18386	1.68188	0.88363	0.91914	13.7490005	0.41365497	9.92E-05	0.135383	1.468238	0.23268	1.525596	1.52295896	16.00169
1220	489785.89	3858926.54	1.29929	0.88767	2.10422	2.4749	3.03806	1.63243	0.86101	0.88767	13.3318946	0.399492033	5.338E-05	0.128203	1.401002	0.225839	1.486542	1.47081509	15.50221
1221	489835.89	3858926.54	1.2615	0.85649	2.92427	2.35256	2.92578	1.58406	0.84084	0.85649	12.9441349	0.385459609	7.418E-05	0.121866	1.349224	0.219147	1.451719	1.41915173	15.05247
1222	489885.89	3858926.54	1.22438	0.82895	3.71422	2.24796	3.204	1.54134	0.81428	0.82895	12.56325	0.373065352	9.422E-05	0.116447	1.477526	0.213237	1.405863	1.37351963	14.77596
1223	489935.89	3858926.54	1.18935	0.80333	2.34449	2.15274	3.45253	1.49932	0.78779	0.80333	12.2038104	0.361535182	5.947E-05	0.111515	1.592135	0.207424	1.360127	1.33106885	14.50554
1224	489985.89	3858926.54	1.15664	0.77525	1.90866	2.06518	3.66834	1.44806	0.7634	0.77525	11.8681761	0.3488979	4.842E-05	0.106979	1.691656	0.200332	1.318018	1.284542	14.24957
1225	490035.89	3858926.54	1.1266	0.74102	3.2256	2.00071	3.85079	1.42871	0.7329	0.74102	11.5599385	0.333492837	8.183E-05	0.10364	1.775793	0.197655	1.265359	1.22782498	14.00814
1226	489335.89	3858976.54	1.70873	1.45692	2.18465	8.99681	5.52716	3.73043	1.3777	1.45692	17.5331206	0.655680526	5.542E-05	0.466047	2.548852	0.516087	2.378613	2.41402764	21.68443
1227	489385.89	3858976.54	1.66965	1.36028	2.00682	6.34342	4.99943	3.12402	1.28578	1.36028	17.1321243	0.612188113	5.091E-05	0.328598	2.305489	0.432193	2.219912	2.25390105	20.77665
1228	489435.89	3858976.54	1.62798	1.28558	1.9658	5.16121	4.41878	2.77254	1.20949	1.28558	16.7045523	0.578569702	4.987E-05	0.267358	2.037722	0.383567	2.088197	2.13012771	19.92989
1229	489485.89	3858976.54	1.58627	1.22411	1.65092	4.4084	3.83661	2.51363	1.14271	1.22411	16.2765699	0.550905395	4.188E-05	0.228361	1.769254	0.347748	1.9729	2.02827566	19.11751
1230	489535.89	3858976.54	1.54413	1.18834	1.52716	3.8725	3.26784	2.31216	1.08228	1.18834	15.8441752	0.534807262	3.874E-05	0.200601	1.506966	0.319876	1.868567	1.96900695	18.30602
1231	489585.89	3858976.54	1.50074	1.14013	3.1394	3.47338	3.18279	2.14901	1.03076	1.14013	15.3989544	0.513110561	7.964E-05	0.179926	1.467745	0.297305	1.779618	1.88912592	17.74761
1232	489635.89	3858976.54	1.45831	1.09167	4.05305	3.163	3.19017	2.00106	0.98328	1.09167	14.9635841	0.491301348	0.0001028	0.163848	1.471148	0.276837	1.697643	1.80883065	17.25563
1233	489685.89	3858976.54	1.41679	1.03479	3.36828	2.91395	3.22596	1.85928	0.93553	1.03479	14.5375512	0.465702751	8.545E-05	0.150947	1.487653	0.257222	1.615202	1.71458396	16.79978
1234	489735.89	3858976.54	1.37547	0.9868	3.82539	2.71	3.19717	1.75966	0.89813	0.9868	14.1135705	0.444105059	9.704E-05	0.140382	1.474376	0.24344	1.550631	1.63506746	16.33153
1235	489785.89	3858976.54	1.33464	0.94833	1.95331	2.53993	3.10999	1.70589	0.86843	0.94833	13.6946177	0.426791803	4.955E-05	0.131572	1.434173	0.236002	1.499353	1.57132501	15.85123
1236	489835.89	3858976.54	1.29563	0.91517	3.67554	2.3956	2.97869	1.65614	0.85116	0.91517	13.2943397	0.411868289	9.324E-05	0.124095	1.373624	0.229119	1.469536	1.51638091	15.38629
1237	489885.89	3858976.54	1.25994	0.87862	3.94714	2.26989	2.81858	1.60604	0.85909	0.87862	12.9281279	0.39541912	0.0001001	0.117583	1.299789	0.222188	1.483228	1.45581979	14.99062
1238	489935.89	3858976.54	1.22496	0.84457	1.89355	2.16073	3.00278	1.56065	0.83184	0.84457	12.5692013	0.380095065	4.804E-05	0.111929	1.384733	0.215908	1.43618	1.39940101	14.69869
1239	489985.89	3858976.54	1.19105	0.8175	3.02924	2.07764	3.2562	1.51816	0.80712	0.8175	12.221254	0.367912329	7.685E-05	0.107625	1.501598	0.21003	1.393501	1.35454767	14.44745
1240	490035.89	3858976.54	1.16576	0.76025	3.59621	2.0005	3.51693	1.459	0.75988	0.76025	11.9617556	0.342147215	9.123E-05	0.103629	1.621834	0.201846	1.311941	1.25968791	14.28355
1241	489385.89	3859026.54	1.73635	1.60274	2.33158	10.60617	5.31312	4.91771	1.49394	1.60274	17.8165269	0.721306184	5.915E-05	0.549414	2.450147	0.680341	2.579303	2.65564249	22.14145
1242	489435.89	3859026.54	1.66894	1.43765	2.43956	6.79876	4.79127	3.44863	1.31669	1.43765	17.1248391	0.647008146	6.189E-05	0.352185	2.209496	0.477101	2.273279	2.38209843	20.70187
1243	489485.89	3859026.54	1.61291	1.34711	2.11673	5.20356	4.23775	3.02947	1.23582	1.34711	16.5499204	0.606261012	5.37E-05	0.269552	1.95424	0.419112	2.133656	2.23207917	19.70072
1244	489535.89	3859026.54	1.56776	1.27203	2.06328	4.38441	3.67238	2.70967	1.16723	1.27203	16.0866405	0.572471584	5.234E-05	0.227119	1.693519	0.37487	2.015234	2.10767618	18.86223
1245	489585.89	3859026.54	1.52666	1.22137	2.24963	3.84271	3.12626	2.46192	1.10513	1.22137	15.6649172	0.54967227	5.707E-05	0.199058	1.441676	0.340595	1.908018	2.02373565	18.08026
1246	489635.89	3859026.54	1.48583	1.16588	3.98558	3.44401	3.09848	2.26359	1.05101	1.16588	15.2459643	0.524699237	0.0001011	0.178405	1.428865	0.313157	1.814579	1.9317921	17.57398
1247	489685.89	3859026.54	1.4457	1.11318	4.12179	3.13453	3.09211	2.08693	1.0033	1.11318	14.8341941	0.50098183	0.0001046	0.162373	1.425928	0.288717	1.732208	1.84447141	17.10003
1248	489735.89	3859026.54	1.40549	1.05435	3.6454	2.88793	3.12938	1.92953	0.96357	1.05435	14.421603	0.474505644	9.248E-05	0.149599	1.443115	0.266941	1.663613	1.74699369	16.67248
1249	489785.89	3859026.54	1.36608	1.00963	1.89607	2.68557	3.10944	1.80925	0.92754	1.00963	14.0172206	0.454379602	4.81E-05	0.139116	1.433919	0.250301	1.601407	1.67289537	16.2235
1250	489835.89	3859026.54	1.32935	0.97525	4.57178	2.51562	3.04644	1.72939	0.88383	0.97525	13.6403375	0.438907032	0.000116	0.130313	1.404867	0.239253	1.525941	1.61592981	15.7638

1251	489885.89	3859026.54	1.29285	0.93677	3.89664	2.37107	2.93249	1.67412	0.85785	0.93677	13.2658144	0.421589275	9.885E-05	0.122825	1.352319	0.231606	1.481087	1.55217079	15.32317
1252	489935.89	3859026.54	1.25816	0.89551	2.26049	2.24549	2.78246	1.62208	0.86893	0.89551	12.9098635	0.403020391	5.734E-05	0.11632	1.283132	0.224407	1.500216	1.48380549	14.95321
1253	489985.89	3859026.54	1.22471	0.86086	4.04788	2.12932	2.8125	1.57395	0.84808	0.86086	12.5666361	0.387426309	0.0001027	0.110302	1.296985	0.217748	1.464219	1.42639255	14.61703
1254	490035.89	3859026.54	1.20111	0.78958	3.04882	2.03542	3.11296	1.49796	0.78895	0.78958	12.3244787	0.355347054	7.734E-05	0.105438	1.435543	0.207235	1.36213	1.30828594	14.48196
1255	489485.89	3859076.54	1.70269	1.57669	2.98873	8.51794	4.59995	3.9974	1.44777	1.57669	17.4711447	0.709582495	7.582E-05	0.441241	2.121269	0.553021	2.49959	2.61247923	21.18344
1256	489535.89	3859076.54	1.62461	1.41923	2.5616	5.64552	4.06358	3.24662	1.27216	1.41923	16.6699731	0.638718305	6.498E-05	0.292446	1.873921	0.449154	2.196397	2.35157761	19.7691
1257	489585.89	3859076.54	1.56565	1.3309	2.46226	4.50218	3.52159	2.8941	1.19755	1.3309	16.0649899	0.598965772	6.246E-05	0.233219	1.623982	0.400385	2.067582	2.20522018	18.78397
1258	489635.89	3859076.54	1.51676	1.25686	3.52001	3.86902	3.01253	2.621	1.13569	1.25686	15.5633342	0.565644391	8.93E-05	0.200421	1.389229	0.362603	1.96078	2.08254042	17.95956
1259	489685.89	3859076.54	1.47344	1.18868	5.03878	3.44433	3.0123	2.39255	1.08106	1.18868	15.1188317	0.534960278	0.0001278	0.178421	1.389123	0.330998	1.866461	1.96957031	17.44935
1260	489735.89	3859076.54	1.43307	1.12088	3.33942	3.12722	2.98988	2.18473	1.03287	1.12088	14.7045988	0.504447182	8.471E-05	0.161994	1.378784	0.302247	1.783261	1.85722984	16.97819
1261	489785.89	3859076.54	1.39436	1.06151	2.58647	2.87663	3.03702	2.01296	0.98918	1.06151	14.3073991	0.477727971	6.561E-05	0.149013	1.400523	0.278483	1.707829	1.75885737	16.56218
1262	489835.89	3859076.54	1.35773	1.03277	5.55169	2.67177	3.03385	1.89275	0.94754	1.03277	13.931542	0.464793658	0.0001408	0.138401	1.399061	0.261853	1.635937	1.71123694	16.12049
1263	489885.89	3859076.54	1.32233	1.00262	3.40137	2.50099	2.9804	1.79287	0.90614	1.00262	13.5683059	0.451224782	8.629E-05	0.129555	1.374413	0.248035	1.56446	1.66128023	15.6748
1264	489935.89	3859076.54	1.2874	0.9687	3.85134	2.35563	2.87867	1.71721	0.86839	0.9687	13.2098924	0.435959233	9.77E-05	0.122025	1.3275	0.237568	1.499284	1.60507686	15.22725
1265	489985.89	3859076.54	1.25487	0.91927	4.14006	2.22643	2.74435	1.65522	0.86922	0.91927	12.8761051	0.413713476	0.000105	0.115332	1.265558	0.228992	1.500717	1.52317436	14.87735
1266	490035.89	3859076.54	1.23018	0.84222	3.14106	2.09249	2.65976	1.55962	0.82662	0.84222	12.6227633	0.379037458	7.968E-05	0.108394	1.226549	0.215766	1.427168	1.39550721	14.58425
1267	489585.89	3859126.54	1.64289	1.54792	3.50765	6.76273	3.89427	3.45767	1.41435	1.54792	16.8575424	0.696634681	8.898E-05	0.350319	1.795844	0.478352	2.44189	2.5648091	20.05586
1268	489635.89	3859126.54	1.57169	1.40489	3.97864	4.92096	3.36406	3.05068	1.26052	1.40489	16.1269658	0.63226465	0.0001009	0.254913	1.551337	0.422047	2.176301	2.3278171	18.83611
1269	489685.89	3859126.54	1.5161	1.31238	6.08497	4.03279	2.92404	2.7525	1.18691	1.31238	15.556562	0.590630926	0.0001544	0.208904	1.348422	0.380795	2.049212	2.17453367	17.96015
1270	489735.89	3859126.54	1.46853	1.22368	4.26901	3.50549	2.93096	2.49607	1.12417	1.22368	15.0684506	0.550711876	0.0001083	0.181589	1.351613	0.345319	1.940891	2.02756318	17.41112
1271	489785.89	3859126.54	1.42586	1.14288	3.59545	3.14784	2.89592	2.26516	1.07065	1.14288	14.6306177	0.514348186	9.121E-05	0.163063	1.335455	0.313374	1.848488	1.8936825	16.91175
1272	489835.89	3859126.54	1.38715	1.08285	6.37362	2.88091	2.95451	2.09764	1.02033	1.08285	14.2334179	0.487331945	0.0001617	0.149235	1.362473	0.290198	1.76161	1.79421645	16.49021
1273	489885.89	3859126.54	1.3512	1.05937	2.57584	2.6689	2.96339	1.97806	0.97214	1.05937	13.8645383	0.476764873	6.534E-05	0.138253	1.366568	0.273655	1.67841	1.75531152	16.04294
1274	489935.89	3859126.54	1.31582	1.02454	5.02341	2.49534	2.91722	1.87422	0.93255	1.02454	13.5015074	0.461089783	0.0001274	0.129262	1.345277	0.259289	1.610057	1.69760034	15.60901
1275	489985.89	3859126.54	1.28553	0.97788	3.27772	2.3355	2.84303	1.79068	0.9026	0.97788	13.1907045	0.440090652	8.315E-05	0.120982	1.311064	0.247732	1.558348	1.62028756	15.24872
1276	490035.89	3859126.54	1.25666	0.90765	4.53565	2.21327	2.72872	1.66941	0.87469	0.90765	12.8944721	0.408483945	0.0001151	0.11465	1.25835	0.230955	1.510161	1.50392073	14.91327
1277	489585.89	3859176.54	1.81423	1.95573	4.3732	10.58374	4.24444	6.94767	1.83681	1.95573	18.6156464	0.880167803	0.0001109	0.548253	1.957325	0.961176	3.171271	3.24052541	22.89342
1278	489635.89	3859176.54	1.71044	1.73066	4.63388	8.94075	3.73099	4.15334	1.61049	1.73066	17.5506668	0.778876026	0.0001176	0.463143	1.720547	0.574594	2.780527	2.86759814	21.00087
1279	489685.89	3859176.54	1.61358	1.52652	6.97951	5.68896	3.21918	3.18361	1.40335	1.52652	16.5567952	0.687003704	0.0001771	0.294696	1.484526	0.440437	2.422898	2.5293506	19.35718
1280	489735.89	3859176.54	1.54715	1.38563	6.00083	4.39121	2.83795	2.85556	1.26775	1.38563	15.8751632	0.623596771	0.0001522	0.227471	1.308722	0.395053	2.188783	2.29590446	18.32304
1281	489785.89	3859176.54	1.48685	1.27625	5.08237	3.69616	2.85338	2.56208	1.19145	1.27625	15.2564304	0.574370776	0.0001289	0.191466	1.315837	0.354451	2.057051	2.11466846	17.63507
1282	489835.89	3859176.54	1.43092	1.17919	6.44376	3.23186	2.8131	2.3251	1.12101	1.17919	14.6825379	0.530689344	0.0001635	0.167415	1.297262	0.321666	1.935435	1.95384596	16.98132
1283	489885.89	3859176.54	1.3849	1.11487	4.80287	2.91805	2.87641	2.17279	1.06102	1.11487	14.2103309	0.501742407	0.0001218	0.151159	1.326458	0.300595	1.831862	1.84727164	16.475
1284	489935.89	3859176.54	1.3465	1.07543	4.11015	2.68536	2.88832	2.05862	1.01169	1.07543	13.8163121	0.483992606	0.0001043	0.139105	1.33195	0.2848	1.746693	1.78192196	16.02104
1285	489985.89	3859176.54	1.31438	1.05635	5.34305	2.49346	2.86931	1.94657	0.94461	1.05635	13.4867317	0.475405735	0.0001355	0.129165	1.323183	0.269298	1.630879	1.75030757	15.56449
1286	490035.89	3859176.54	1.28028	1.01386	3.70154	2.33789	2.78825	1.86152	0.91212	1.01386	13.1368348	0.456283295	9.39E-05	0.121106	1.285802	0.257532	1.574784	1.67990423	15.15253
1287	489685.89	3859226.54	1.75434	1.94163	9.00345	11.8143	3.57794	5.28277	1.85297	1.94163	18.0011206	0.873822159	0.0002284	0.611997	1.649968	0.730845	3.199171	3.21716257	21.84999
1288	489735.89	3859226.54	1.64263	1.71058	8.8961	6.93693	3.08248	3.56476	1.61519	1.71058	16.8548746	0.769839109	0.0002257	0.359343	1.421487	0.493167	2.788642	2.8343268	19.85325
1289	489785.89	3859226.54	1.55579	1.49528	7.1834	4.962	2.76074	2.9433	1.39449	1.49528	15.9638174	0.672944278	0.0001822	0.257039	1.273116	0.407191	2.407601	2.47758782	18.5043
1290	489835.89	3859226.54	1.48964	1.32759	4.79121	4.06348	2.78246	2.59718	1.2567	1.32759	15.2850584	0.597476121	0.0001215	0.210494	1.283132	0.359307	2.169705	2.19973571	17.70556
1291	489885.89	3859226.54	1.43872	1.22495	5.49592	3.49296	2.74944	2.38113	1.17301	1.22495	14.7625729	0.551283434	0.0001394	0.18094	1.267905	0.329418	2.025214	2.02966749	17.08781
1292	489935.89	3859226.54	1.39067	1.15784	6.22776	3.08901	2.80076	2.2318	1.10327	1.15784	14.2695363	0.521080869	0.000158	0.160015	1.291571	0.308759	1.904807	1.91847031	16.53746
1293	489985.89	3859226.54	1.3527	1.1243	4.86666	2.7689	2.84258	2.07642	1.02024	1.1243	13.8799297	0.505986338	0.0001235	0.143433	1.310857	0.287263	1.761455	1.86289658	16.02615
1294	490035.89	3859226.54	1.31368	1.08091	6.56696	2.53809	2.8099	1.99976	0.97798	1.08091	13.4795491	0.486458857	0.0001666	0.131477	1.295786	0.276657	1.688492	1.79100199	15.56758
1295	489735.89	3859276.54	1.81548	2.18352	13.95067	10.06976	3.42848	6.75938	2.12449	2.18352	18.6284725	0.982683704	0.0003539	0.521628	1.581045	0.935127	3.667954	3.61795956	22.6993
1296	489785.89	3859276.54	1.70881	1.92367	9.29488	9.32307	2.95734	4.24996	1.85834	1.92367	17.5339415	0.865739339	0.0002358	0.482948	1.363778	0.587961	3.208443	3.18740394	20.85564
1297	489835.89	3859276.54	1.59493	1.67494	5.49742	5.83111	2.69017	3.1885	1.60285	1.67494	16.3654293	0.753799481	0.0001395	0.30206	1.240573	0.441113	2.767337	2.77527349	19.09518
1298	489885.89	3859276.54	1.51844	1.4479	6.92544	4.56091	2.71225	2.6481	1.37024	1.4479	15.5805725	0.651621114	0.0001757	0.236262	1.250755	0.366352	2.365733	2.39908205	18.05239
1299	489935.89	3859276.54	1.46158	1.27957	7.06677	3.81798	2.68862	2.43726	1.21474	1.27957	14.9971373	0.575864928	0.0001793	0.197777	1.239858	0.337183	2.097261	2.1201695	17.32509
1300	489985.89	3859276.54	1.41215	1.19805	8.85136	3.24384	2.7516	2.22218	1.11183	1.19805	14.4899406	0.539177205	0.0002245	0.168035	1.268901	0.307428	1.919586	1.98509583	16.7082
1301	490035.89	3859276.54	1.36038	1.14457	7.34109	2.95323	2.76242	2.13862	1.07673	1.14457	13.9587334	0.515108763	0.0001862	0.152981	1.273891	0.295868	1.858985	1.89648273	16.15927
1302	490458.06	3859590.74	1.37345	1.50612	4.73136	5.61057	2.31497	2.76945	1.4943	1.50612	14.0928435	0.677822773	0.00012	0.290635	1.067549	0.38314	2.579924	2.49554904	16.59649
1303	490508.06	3859590.74	1.31133	1.39478	4.16042	4.50446	2.27614	2.466	1.36143	1.39478	13.4554359	0.627714689	0.0001055	0.233337	1.049643	0.341159	2.350523	2.31106545	15.74685
1304	490558.06	3859590.74	1.26088	1.25694	3.62296	3.89443	2.20745	2.24783	1.2301	1.25694	12.9377731	0.565680395	9.191E-05	0.201737	1.017966	0.310976	2.12378	2.08267297	15.07533
1305	490608.06	3859590.74	1.21879	1.13712	3.38567	3.49821	2.11513	2.02225	1.11002	1.13712	12.5058915	0.511755923	8.589E-05	0.181212	0.975393	0.279768	1.916461	1.88413853	14.48643
1306	490658.06	3859590.74	1.18272	1.07282	3.40502	3.25186	2.00268	1.8624	1.0436	1.07282	12.1357806	0.482817987	8.638E-05	0.168451	0.923537	0.257654	1.801786	1.77759735	13.99252
1307	490708.06	3859590.74	1.15089	1.00759	3.39008	2.81653	1.87331	1.68609	0.97982	1.00759	11.8091759	0.453461509	8.6E-05	0.1459	0.863878	0.233262	1.691669	1.66951522	13.52792

1308	490758.06	3859590.74	1.12321	0.92291	3.34042	2.40637	2.0495	1.53514	0.9225	0.92291	11.525154	0.415351642	8.474E-05	0.124653	0.945128	0.212379	1.592706	1.52920562	13.28625
1309	490808.06	3859590.74	1.09609	0.86737	3.27099	2.05529	2.22929	1.43517	0.87798	0.86737	11.2468782	0.390356106	8.298E-05	0.106467	1.028038	0.198549	1.515841	1.43717922	13.04903
1310	490858.06	3859590.74	1.07199	0.81403	3.17676	1.79455	2.39588	1.34176	0.83315	0.81403	10.9995903	0.36635067	8.059E-05	0.09296	1.104861	0.185626	1.438442	1.3487981	12.83911
1311	490458.06	3859640.74	1.58103	2.22599	4.64499	11.86502	2.26657	4.01725	2.26815	2.22599	16.2228027	1.001797143	0.0001178	0.614625	1.04523	0.555767	3.915984	3.68832976	19.66799
1312	490508.06	3859640.74	1.44323	1.74713	4.51282	7.66116	2.26338	3.13924	1.8224	1.74713	14.8088496	0.786288278	0.0001145	0.396859	1.043759	0.434298	3.146392	2.89488792	17.72167
1313	490558.06	3859640.74	1.35375	1.56207	4.22258	5.59383	2.22933	2.74981	1.5789	1.56207	13.8907036	0.703002827	0.0001071	0.289768	1.028056	0.380423	2.725987	2.58825478	16.42979
1314	490608.06	3859640.74	1.29125	1.38953	3.89071	4.55175	2.17269	2.44393	1.41636	1.38953	13.2493969	0.625351949	9.87E-05	0.235787	1.001937	0.338106	2.44536	2.30236652	15.59367
1315	490658.06	3859640.74	1.24264	1.25574	3.52909	4.07713	2.09167	2.18756	1.26468	1.25574	12.7506142	0.56514034	8.953E-05	0.211201	0.964574	0.302638	2.183483	2.08068464	14.89706
1316	490708.06	3859640.74	1.20113	1.13469	3.16898	3.7096	1.98538	1.98492	1.14715	1.13469	12.3246839	0.510662312	8.039E-05	0.192162	0.915559	0.274604	1.980566	1.88011217	14.31821
1317	490758.06	3859640.74	1.16615	1.02974	2.89381	3.20398	1.86358	1.76469	1.04464	1.02974	11.9657574	0.46343002	7.341E-05	0.165971	0.859391	0.244136	1.803582	1.70621642	13.79612
1318	490808.06	3859640.74	1.13251	0.96335	2.84855	2.82181	1.92809	1.64052	0.98829	0.96335	11.6205804	0.433551489	7.226E-05	0.146174	0.889139	0.226958	1.706293	1.59621223	13.42656
1319	490858.06	3859640.74	1.10194	0.91834	2.85657	2.45227	2.10376	1.53648	0.9388	0.91834	11.3069045	0.413294933	7.246E-05	0.127031	0.97015	0.212564	1.620848	1.52163341	13.12923
1320	490608.06	3859690.74	1.43653	1.77863	3.69403	7.61428	2.19377	3.14267	1.80485	1.77863	14.7401016	0.800464716	9.371E-05	0.39443	1.011658	0.434773	3.116092	2.9470815	17.55053
1321	490658.06	3859690.74	1.34366	1.53293	3.58566	5.48775	2.1445	2.71522	1.57188	1.53293	13.7871711	0.689888497	9.096E-05	0.284273	0.988937	0.375637	2.713867	2.53997158	16.29989
1322	490708.06	3859690.74	1.27799	1.40086	3.41284	4.69332	2.06686	2.37282	1.42626	1.40086	13.1133373	0.630450966	8.658E-05	0.243121	0.953133	0.328268	2.462452	2.32113964	15.40971
1323	490758.06	3859690.74	1.228	1.21178	3.19555	4.12034	1.96908	2.10293	1.24569	1.21178	12.6003945	0.545356332	8.106E-05	0.213439	0.908042	0.29093	2.150696	2.0078456	14.70109
1324	490808.06	3859690.74	1.1851	1.08621	2.96225	3.63198	1.84971	1.91571	1.15393	1.08621	12.1602016	0.488844099	7.515E-05	0.188142	0.852994	0.265029	1.992272	1.79978377	14.14777
1325	490858.06	3859690.74	1.14396	1.03437	2.74113	3.32247	1.80891	1.80027	1.10662	1.03437	11.7380678	0.465513732	6.954E-05	0.172109	0.834179	0.249059	1.910591	1.71388805	13.6557
1326	490708.06	3859740.74	1.43262	1.71866	2.97934	7.47089	2.11042	3.13848	1.78039	1.71866	14.6999814	0.773475478	7.558E-05	0.387003	0.973221	0.434193	3.073861	2.84771487	17.4941
1327	490758.06	3859740.74	1.33079	1.58202	2.97436	5.66429	2.03172	2.78043	1.62194	1.58202	13.6551132	0.711981238	7.545E-05	0.293418	0.936928	0.384659	2.800296	2.62131072	16.16116
1328	490808.06	3859740.74	1.26052	1.4269	2.91354	4.9079	1.93579	2.45327	1.46307	1.4269	12.9340792	0.642170155	7.391E-05	0.254236	0.89269	0.339398	2.526005	2.36428633	15.22437
1329	490858.06	3859740.74	1.20505	1.3083	2.81364	4.56278	1.82021	2.20267	1.36322	1.3083	12.3649067	0.58879474	7.138E-05	0.236358	0.83939	0.304729	2.353613	2.16777336	14.52009
1330	490786.56	3859749.39	1.31028	1.5579	2.87099	5.50937	1.98948	2.7156	1.59822	1.5579	13.444662	0.701126137	7.283E-05	0.285393	0.917449	0.37569	2.759343	2.58134535	15.90239
1331	490836.56	3859749.39	1.24374	1.40933	2.81434	4.86017	1.88714	2.40829	1.45136	1.40933	12.7619012	0.634262853	7.139E-05	0.251764	0.870255	0.333175	2.505788	2.33517391	15.02204
1332	490786.56	3859799.39	1.54215	2.20982	2.57562	11.66666	2.03259	3.83548	2.26775	2.20982	15.8238586	0.994519905	6.534E-05	0.604349	0.93733	0.53062	3.915293	3.66153705	19.1445
1333	490836.56	3859799.39	1.39271	1.84259	2.5241	7.20036	1.95674	3.09557	1.89454	1.84259	14.2904686	0.829249637	6.403E-05	0.372989	0.902351	0.428257	3.270943	3.05305933	17.04126
1334	492307.84	3854508.36	0.42789	0.18744	0.3901	0.23259	1.86536	0.19648	0.24814	0.18744	4.39053974	0.084356559	9.896E-06	0.012048	0.860211	0.027182	0.428416	0.31057666	5.492188
1335	486445.7	3854753.6	1.06855	0.5269	0.7143	0.5058	1.85037	0.29656	0.53693	0.5269	10.9642928	0.237129059	1.812E-05	0.026201	0.853299	0.041028	0.927015	0.87304119	12.17594
1336	472599.75	3877830.11	0.07973	0.04968	0.0726	0.06526	0.22206	0.08643	0.0499	0.04968	0.81810216	0.022358268	1.842E-06	0.003381	0.102403	0.011957	0.086153	0.08231673	0.962039
1337	493107.48	3866840.19	0.75303	0.22097	0.16994	0.26389	1.19741	0.27995	0.18935	0.22097	7.72677123	0.09944659	4.311E-06	0.01367	0.552186	0.03873	0.326915	0.36613382	8.391589
1338	495815.79	3861662.87	0.39456	0.90964	0.57557	0.5105	1.25504	0.92532	0.91057	0.90964	4.04854369	0.409379536	1.46E-05	0.026445	0.578762	0.128013	1.572108	1.50721804	5.256048
1339	480272.33	3841389.2	0.15607	0.03797	0.05797	0.0535	0.13157	0.08738	0.03937	0.03797	1.60141985	0.017088234	1.471E-06	0.002771	0.060674	0.012089	0.067973	0.06291398	1.699102
1340	497005.18	3862813.64	0.40588	1.11221	0.53827	0.38568	1.03982	0.415	1.13868	1.11221	4.16469717	0.500545286	1.365E-05	0.019979	0.479513	0.057413	1.965943	1.84286418	5.34524
1341	493677.33	3860302.55	0.54002	0.44759	1.07685	0.84437	1.84177	1.00767	0.46651	0.44759	5.54109531	0.201435938	2.732E-05	0.04374	0.849333	0.139406	0.805434	0.74162935	6.838842
1342	493727.33	3860302.55	0.53887	0.44301	1.07358	0.81667	1.77304	0.9912	0.46001	0.44301	5.52929527	0.199374729	2.723E-05	0.042305	0.817638	0.137128	0.794212	0.73404057	6.785939
1343	493777.33	3860302.55	0.5383	0.43691	1.06794	0.79322	1.70277	0.96921	0.45263	0.43691	5.52344655	0.19662945	2.709E-05	0.04109	0.785233	0.134085	0.78147	0.72393324	6.738048
1344	493827.33	3860302.55	0.53783	0.42926	1.06036	0.78083	1.63054	0.94556	0.44346	0.42926	5.51862392	0.193186601	2.69E-05	0.040448	0.751924	0.130814	0.765638	0.71125766	6.689404
1345	493877.33	3860302.55	0.53632	0.42492	1.05203	0.77322	1.55431	0.93067	0.4377	0.42492	5.50312995	0.191233403	2.669E-05	0.040054	0.716771	0.128754	0.755693	0.70406654	6.631595
1346	493927.33	3860302.55	0.53428	0.42198	1.04266	0.76156	1.47587	0.91796	0.43341	0.42198	5.4821977	0.189910268	2.645E-05	0.03945	0.680598	0.126995	0.748287	0.69919514	6.568269
1347	493977.33	3860302.55	0.53669	0.41192	1.02701	0.77148	1.40701	0.8606	0.42221	0.41192	5.50692649	0.185382809	2.605E-05	0.039964	0.648843	0.11906	0.72895	0.68252633	6.546626
1348	494027.33	3860302.55	0.53694	0.40545	1.01174	0.77112	1.33296	0.82635	0.41475	0.40545	5.50949171	0.182471014	2.567E-05	0.039945	0.614695	0.114321	0.71607	0.67180594	6.505214
1349	493677.33	3860352.55	0.51489	0.4352	1.01699	0.91894	1.91612	1.07901	0.45871	0.4352	5.2832387	0.195859872	2.58E-05	0.047602	0.883619	0.149276	0.791967	0.72109988	6.63049
1350	493727.33	3860352.55	0.50995	0.43164	1.02334	0.88429	1.85383	1.06881	0.45222	0.43164	5.23254982	0.19425771	2.596E-05	0.045807	0.854894	0.147865	0.780762	0.71520117	6.540961
1351	493777.33	3860352.55	0.50826	0.42728	1.02726	0.85117	1.78787	1.05688	0.44527	0.42728	5.21520888	0.192295511	2.606E-05	0.044092	0.824477	0.146214	0.768763	0.70797692	6.4831
1352	493827.33	3860352.55	0.50729	0.42344	1.02884	0.82084	1.72125	1.03751	0.43986	0.42344	5.2052558	0.190567335	2.61E-05	0.042521	0.793755	0.143534	0.759423	0.70161427	6.433468
1353	493877.33	3860352.55	0.50705	0.41886	1.02842	0.79418	1.65401	1.00848	0.43445	0.41886	5.20279319	0.188506126	2.609E-05	0.04114	0.762747	0.139518	0.750082	0.69402549	6.390787
1354	493927.33	3860352.55	0.5079	0.41258	1.02574	0.79508	1.58737	0.96624	0.42658	0.41258	5.21151496	0.185679839	2.602E-05	0.041186	0.732016	0.133675	0.736495	0.68361991	6.356973
1355	493977.33	3860352.55	0.50948	0.401	1.02048	0.78528	1.52065	0.91389	0.41404	0.401	5.22772719	0.180468311	2.589E-05	0.040679	0.701248	0.126432	0.714844	0.66443256	6.326992
1356	494027.33	3860352.55	0.50851	0.39682	1.01545	0.76095	1.44622	0.89005	0.4084	0.39682	5.21777411	0.17858712	2.576E-05	0.039418	0.666925	0.123134	0.705107	0.65750655	6.273464
1357	493677.33	3860402.55	0.51685	0.44748	0.93763	0.98734	1.9707	1.14606	0.4543	0.44748	5.30335008	0.201386433	2.379E-05	0.051146	0.908789	0.158552	0.784354	0.74144709	6.666153
1358	493727.33	3860402.55	0.51042	0.43615	0.9433	0.95654	1.91057	1.12572	0.44689	0.43615	5.23737244	0.196287416	2.393E-05	0.04955	0.88106	0.155738	0.77156	0.72267397	6.568918
1359	493777.33	3860402.55	0.50727	0.42459	0.95138	0.93442	1.86536	1.10605	0.44115	0.42459	5.20505059	0.191084888	2.413E-05	0.048404	0.860211	0.153017	0.76165	0.70351975	6.515922
1360	493827.33	3860402.55	0.50014	0.41244	0.96168	0.90252	1.80169	1.09204	0.43446	0.41244	5.13189031	0.185616833	2.44E-05	0.046752	0.83085	0.151078	0.7501	0.68338794	6.412923
1361	493877.33	3860402.55	0.49436	0.40769	0.96882	0.8736	1.73824	1.07189	0.42742	0.40769	5.07258227	0.183479116	2.458E-05	0.045254	0.80159	0.148291	0.737945	0.67551748	6.313648
1362	493927.33	3860402.55	0.49135	0.40338	0.97371	0.84839	1.68074	1.04175	0.42114	0.40338	5.04169694	0.181539419	2.47E-05	0.043948	0.775074	0.144121	0.727102	0.66837607	6.24513
1363	493977.33	3860402.55	0.48937	0.39532	0.97598	0.85256	1.62243	0.97994	0.41091	0.39532	5.02138034	0.177912051	2.476E-05	0.044164	0.748184	0.13557	0.70944	0.65502115	6.181654
1364	494027.33	3860402.55	0.48344	0.39204	0.97945	0.81892	1.55034	0.96183	0.4069	0.39204	4.96053316	0.176435901	2.485E-05	0.042421	0.71494	0.133064	0.702517	0.64958639	6.08035

1365	493677.33	3860452.55	0.52109	0.47123	0.9688	0.96757	2.0517	1.32161	0.46602	0.47123	5.34685633	0.212075017	2.458E-05	0.050121	0.946142	0.182838	0.804588	0.78079939	6.761847
1366	493727.33	3860452.55	0.51259	0.46294	0.94298	0.94955	1.97505	1.30921	0.45714	0.46294	5.25963861	0.208344139	2.392E-05	0.049188	0.910795	0.181123	0.789257	0.76706336	6.631306
1367	493777.33	3860452.55	0.50663	0.45128	0.92847	0.93375	1.9043	1.27728	0.44485	0.45128	5.19848361	0.203096606	2.355E-05	0.04837	0.878169	0.176705	0.768038	0.74774346	6.525142
1368	493827.33	3860452.55	0.50272	0.43675	0.92181	0.91862	1.85984	1.23014	0.43082	0.43675	5.15836346	0.196557443	2.338E-05	0.047586	0.857666	0.170184	0.743815	0.72366813	6.450527
1369	493877.33	3860452.55	0.49831	0.42394	0.91136	0.90483	1.81091	1.17665	0.42526	0.42394	5.11311285	0.190792358	2.312E-05	0.046871	0.835102	0.162784	0.734216	0.70244274	6.380458
1370	493927.33	3860452.55	0.49638	0.41389	0.89335	0.90718	1.7657	1.11736	0.41905	0.41389	5.0933093	0.186269399	2.266E-05	0.046993	0.814253	0.154581	0.723494	0.6857905	6.333133
1371	493977.33	3860452.55	0.49109	0.40531	0.90419	0.88284	1.70454	1.08548	0.41283	0.40531	5.0390291	0.182408007	2.294E-05	0.045732	0.786049	0.150171	0.712755	0.67157397	6.244594
1372	494027.33	3860452.55	0.48576	0.39686	0.91352	0.85856	1.64036	1.05308	0.40664	0.39686	4.98433846	0.178605121	2.317E-05	0.044475	0.756453	0.145688	0.702068	0.65757283	6.154078
1373	493677.33	3860502.55	0.52489	0.49001	0.96415	0.89303	2.11066	1.64865	0.48708	0.49001	5.38584778	0.220526875	2.446E-05	0.04626	0.973332	0.228083	0.840949	0.8119167	6.883105
1374	493727.33	3860502.55	0.51701	0.48105	0.94751	0.89365	2.04669	1.52006	0.47751	0.48105	5.30499183	0.216494466	2.404E-05	0.046292	0.943832	0.210293	0.824426	0.79707053	6.749283
1375	493777.33	3860502.55	0.51087	0.46946	0.93812	0.89188	1.98397	1.40742	0.46535	0.46946	5.24198985	0.211278437	2.38E-05	0.046201	0.914908	0.19471	0.803431	0.77786661	6.634676
1376	493827.33	3860502.55	0.50514	0.45785	0.92865	0.88746	1.91912	1.36293	0.45321	0.45785	5.18319485	0.206053406	2.356E-05	0.045972	0.885003	0.188555	0.782472	0.75862954	6.532643
1377	493877.33	3860502.55	0.50122	0.44391	0.92597	0.88127	1.86035	1.31857	0.43866	0.44391	5.1429721	0.19977977	2.349E-05	0.045651	0.857901	0.182418	0.757351	0.73553181	6.450564
1378	493927.33	3860502.55	0.49833	0.42962	0.92525	0.879	1.82255	1.27083	0.42408	0.42962	5.11331807	0.193348617	2.347E-05	0.045533	0.84047	0.175813	0.732178	0.71185416	6.388831
1379	493977.33	3860502.55	0.49246	0.42046	0.9102	0.8666	1.76849	1.2305	0.41411	0.42046	5.05308654	0.189226199	2.309E-05	0.044891	0.81554	0.170234	0.714965	0.69667659	6.291289
1380	494027.33	3860502.55	0.48763	0.41069	0.89816	0.85609	1.71395	1.18211	0.40594	0.41069	5.00352636	0.184829253	2.278E-05	0.044347	0.790389	0.163539	0.70086	0.6804883	6.207024
1381	493627.33	3860552.55	0.53644	0.5169	0.9327	0.98383	2.18981	2.3443	0.51686	0.5169	5.50436126	0.232628603	2.366E-05	0.050964	1.009832	0.324322	0.892364	0.8564718	7.158024
1382	493677.33	3860552.55	0.52783	0.50858	0.92507	0.94892	2.14128	2.19051	0.50785	0.50858	5.41601485	0.228884223	2.347E-05	0.049155	0.987452	0.303046	0.876808	0.84268606	7.018698
1383	493727.33	3860552.55	0.52008	0.49953	0.91892	0.91356	2.08994	2.01352	0.49851	0.49953	5.33649281	0.22481131	2.331E-05	0.047324	0.963777	0.278561	0.860683	0.82769076	6.88398
1384	493777.33	3860552.55	0.51426	0.48683	0.91944	0.88073	2.04038	1.82377	0.4852	0.48683	5.27677433	0.21909573	2.332E-05	0.045623	0.940922	0.25231	0.837703	0.80664764	6.765803
1385	493827.33	3860552.55	0.50982	0.47164	0.92369	0.84915	1.99167	1.63847	0.46945	0.47164	5.2312159	0.212259536	2.343E-05	0.043987	0.918459	0.226674	0.81051	0.78147873	6.661651
1386	493877.33	3860552.55	0.50337	0.4619	0.91547	0.8157	1.9285	1.49463	0.45905	0.4619	5.16503305	0.207876091	2.322E-05	0.042254	0.889328	0.206775	0.792554	0.76534015	6.538504
1387	493927.33	3860552.55	0.49919	0.44837	0.91564	0.81301	1.87042	1.41786	0.44498	0.44837	5.12214245	0.201786974	2.323E-05	0.042115	0.862545	0.196154	0.768262	0.74292176	6.450107
1388	493977.33	3860552.55	0.49559	0.43557	0.91642	0.8148	1.81922	1.34563	0.43151	0.43557	5.08520319	0.196026389	2.325E-05	0.042208	0.838934	0.186161	0.745006	0.72171294	6.371849
1389	494027.33	3860552.55	0.48991	0.42652	0.90542	0.81329	1.77116	1.29362	0.42158	0.42652	5.02692123	0.191953476	2.297E-05	0.04213	0.816771	0.178966	0.727862	0.70671764	6.277909
1390	493627.33	3860602.55	0.54259	0.52601	0.89227	0.99516	2.19274	3.16197	0.52827	0.52601	5.56746584	0.236728519	2.263E-05	0.051551	1.011183	0.437443	0.912064	0.87156651	7.344891
1391	493727.33	3860602.55	0.52362	0.51714	0.85976	0.94539	2.10904	2.61986	0.51842	0.51714	5.37281642	0.232736614	2.181E-05	0.048973	0.972585	0.362445	0.895057	0.85686946	7.027765
1392	493777.33	3860602.55	0.51897	0.49921	0.88167	0.92705	2.0795	2.42268	0.50037	0.49921	5.3251032	0.224667295	2.237E-05	0.048022	0.958962	0.335166	0.863894	0.82716054	6.928677
1393	493827.33	3860602.55	0.5127	0.48759	0.88544	0.90138	2.03498	2.19647	0.4885	0.48759	5.26076731	0.219437764	2.246E-05	0.046693	0.938432	0.303871	0.8434	0.80790691	6.804716
1394	493877.33	3860602.55	0.5083	0.47249	0.89459	0.87748	1.99181	1.96862	0.47184	0.47249	5.21561932	0.212642075	2.269E-05	0.045455	0.918524	0.272349	0.814637	0.78288713	6.696361
1395	493927.33	3860602.55	0.50316	0.46036	0.8976	0.84998	1.94001	1.76569	0.4592	0.46036	5.16287826	0.207183021	2.277E-05	0.04403	0.894636	0.244275	0.792813	0.76278846	6.58305
1396	493977.33	3860602.55	0.49856	0.44818	0.90047	0.82227	1.88513	1.57855	0.44675	0.44818	5.11567808	0.201701465	2.284E-05	0.042595	0.869328	0.218385	0.771318	0.74260694	6.476422
1397	494027.33	3860602.55	0.49218	0.44021	0.89239	0.79277	1.81861	1.4827	0.43793	0.44021	5.05021349	0.198114601	2.264E-05	0.041067	0.838653	0.205124	0.756091	0.72940114	6.359884
1398	493627.33	3860652.55	0.54976	0.54053	0.90588	0.93361	2.16951	4.91478	0.53672	0.54053	5.64103655	0.243263182	2.298E-05	0.048362	1.00047	0.679936	0.926653	0.89562527	7.644118
1399	493727.33	3860652.55	0.52986	0.53078	0.85615	0.92461	2.11346	3.60916	0.5297	0.53078	5.43684449	0.238875237	2.172E-05	0.047896	0.974623	0.49931	0.914532	0.87947011	7.232632
1400	493777.33	3860652.55	0.52367	0.51624	0.84523	0.91975	2.09215	3.23548	0.51427	0.51624	5.37332947	0.232331573	2.144E-05	0.047644	0.964796	0.447613	0.887892	0.85537822	7.09825
1401	493827.33	3860652.55	0.51797	0.50266	0.83309	0.91067	2.06457	2.92914	0.49968	0.50266	5.3148423	0.226219953	2.113E-05	0.047174	0.952077	0.405232	0.862703	0.83287698	6.975392
1402	493877.33	3860652.55	0.51315	0.4869	0.84828	0.89991	2.03292	2.66546	0.48345	0.4869	5.26538472	0.219127233	2.152E-05	0.046617	0.937482	0.368753	0.834681	0.80676362	6.865303
1403	493927.33	3860652.55	0.50725	0.47569	0.85674	0.88225	1.98982	2.38529	0.47154	0.47569	5.20484537	0.214082221	2.173E-05	0.045702	0.917606	0.329993	0.814119	0.78818934	6.73818
1404	493977.33	3860652.55	0.50152	0.46581	0.86186	0.86179	1.94033	2.14101	0.46037	0.46581	5.14605037	0.20963577	2.186E-05	0.044642	0.894784	0.296198	0.794833	0.77181878	6.614347
1405	494027.33	3860652.55	0.49722	0.45116	0.87059	0.84156	1.89233	1.90374	0.44736	0.45116	5.10192846	0.203042601	2.208E-05	0.043594	0.872649	0.263373	0.772372	0.74754462	6.509436
1406	494311.06	3858401.99	0.55641	0.11631	0.24458	0.33984	1.54229	0.264	0.12024	0.11631	5.70927158	0.052344811	6.204E-06	0.017604	0.711228	0.036523	0.207596	0.19271858	6.541854
1407	494361.06	3858401.99	0.55082	0.11713	0.24144	0.33723	1.52539	0.26214	0.11934	0.11713	5.65191311	0.052713848	6.125E-06	0.017469	0.703434	0.036266	0.206042	0.19407727	6.473766
1408	494411.06	3858401.99	0.54664	0.11787	0.23844	0.33639	1.50799	0.266	0.11919	0.11787	5.60902252	0.053046882	6.049E-06	0.017425	0.69541	0.0368	0.205783	0.19530341	6.42219
1409	494461.06	3858401.99	0.54394	0.11854	0.23555	0.33747	1.49034	0.27041	0.11987	0.11854	5.58131807	0.053348413	5.975E-06	0.017481	0.687271	0.03741	0.206957	0.19641356	6.387378
1410	494511.06	3858401.99	0.53958	0.11912	0.23209	0.33592	1.47176	0.27592	0.11971	0.11912	5.53658051	0.053609439	5.888E-06	0.017401	0.678703	0.038172	0.206681	0.19737458	6.333778
1411	494561.06	3858401.99	0.53681	0.11961	0.22877	0.3364	1.45294	0.28068	0.1203	0.11961	5.5081578	0.053829962	5.803E-06	0.017426	0.670024	0.038831	0.207699	0.19818648	6.297787
1412	494611.06	3858401.99	0.35173	0.12001	0.22502	0.33428	1.43327	0.28657	0.12041	0.12001	3.60906902	0.05400998	5.708E-06	0.017316	0.660953	0.039646	0.207889	0.19884926	4.390039
1413	494661.06	3858401.99	0.35094	0.12032	0.15892	0.33258	0.7519	0.2927	0.12064	0.12032	3.6009629	0.054149494	4.031E-06	0.017228	0.346739	0.040494	0.208286	0.19936291	4.0685
1414	494711.06	3858401.99	0.34999	0.12053	0.15177	0.32867	0.73556	0.29939	0.12078	0.12053	3.59121504	0.054244004	3.85E-06	0.017026	0.339204	0.041419	0.208528	0.19971086	4.051928
1415	494761.06	3858401.99	0.34926	0.12066	0.15239	0.32717	0.72992	0.30563	0.12085	0.12066	3.58372458	0.05430251	3.866E-06	0.016948	0.336603	0.042282	0.208649	0.19992627	4.042587
1416	494811.06	3858401.99	0.34841	0.1207	0.15219	0.32397	0.71845	0.31284	0.12082	0.1207	3.57500281	0.054320511	3.861E-06	0.016782	0.331313	0.04328	0.208597	0.19999254	4.029307
1417	494861.06	3858401.99	0.34757	0.12065	0.15188	0.32095	0.7086	0.32014	0.12071	0.12065	3.56638365	0.054298009	3.853E-06	0.016626	0.326771	0.04429	0.208407	0.1999097	4.016869
1418	494911.06	3858401.99	0.34674	0.12051	0.15131	0.3177	0.69872	0.32803	0.12052	0.12051	3.55786709	0.054235003	3.838E-06	0.016457	0.322215	0.045381	0.208079	0.19967773	4.004561
1419	494961.06	3858401.99	0.3459	0.12028	0.15041	0.31398	0.68792	0.3361	0.12024	0.12028	3.54924793	0.054131492	3.816E-06	0.016265	0.317235	0.046498	0.207596	0.19929663	3.991679
1420	495011.06	3858401.99	0.34494	0.11995	0.14883	0.30889	0.67301	0.34525	0.12004	0.11995	3.53939746	0.053982977	3.775E-06	0.016001	0.310359	0.047764	0.20725	0.19874984	3.976008
1421	495061.06	3858401.99	0.34406	0.11954	0.14745	0.3047	0.66216	0.35453	0.11943	0.11954	3.53036786	0.053798458	3.74E-06	0.015784	0.305355	0.049047	0.206197	0.19807049	3.962483

1422	495111.06	3858401.99	0.34292	0.11904	0.14456	0.29698	0.63829	0.36763	0.11888	0.11904	3.51867043	0.053573436	3.667E-06	0.015384	0.294348	0.05086	0.205248	0.19724202	3.940844
1423	495161.06	3858401.99	0.34224	0.11848	0.14372	0.29491	0.6358	0.38014	0.11843	0.11848	3.51169301	0.05332141	3.646E-06	0.015277	0.293199	0.052591	0.204471	0.19631414	3.934241
1424	495211.06	3858401.99	0.34114	0.11794	0.14082	0.28799	0.61574	0.40023	0.11759	0.11794	3.50040601	0.053078385	3.572E-06	0.014918	0.283949	0.05537	0.20302	0.19541939	3.915326
1425	495261.06	3858401.99	0.34026	0.11708	0.13884	0.28373	0.60578	0.41557	0.11683	0.11708	3.49137641	0.052691346	3.522E-06	0.014698	0.279356	0.057492	0.201708	0.19399442	3.90333
1426	495311.06	3858401.99	0.33937	0.11627	0.13662	0.27923	0.5952	0.43104	0.116	0.11627	3.4822442	0.052326809	3.466E-06	0.014465	0.274477	0.059632	0.200275	0.1926523	3.890771
1427	495361.06	3858401.99	0.33856	0.11539	0.13467	0.27568	0.58821	0.44386	0.11509	0.11539	3.47393287	0.051930769	3.416E-06	0.014281	0.271253	0.061406	0.198704	0.1911942	3.880317
1428	495411.06	3858401.99	0.33782	0.11444	0.13434	0.27303	0.58449	0.45374	0.11413	0.11444	3.4663398	0.051503226	3.408E-06	0.014143	0.269538	0.062773	0.197047	0.18962011	3.871727
1429	495461.06	3858401.99	0.33711	0.11343	0.13579	0.27065	0.58179	0.46219	0.11309	0.11343	3.45905455	0.051048679	3.445E-06	0.01402	0.268293	0.063942	0.195251	0.1879466	3.863666
1430	495511.06	3858401.99	0.33638	0.11257	0.13701	0.26792	0.57765	0.47138	0.1121	0.11257	3.45156409	0.05066164	3.476E-06	0.013879	0.266384	0.065213	0.193542	0.18652163	3.854725
1431	495561.06	3858401.99	0.33567	0.11122	0.13813	0.26371	0.55635	0.47959	0.11084	0.11122	3.44427885	0.050054079	3.504E-06	0.013661	0.256561	0.066349	0.191366	0.18428476	3.837989
1432	495611.06	3858401.99	0.33492	0.11002	0.13914	0.26119	0.55157	0.49676	0.10962	0.11002	3.43658317	0.049514024	3.53E-06	0.01353	0.254357	0.068724	0.18926	0.18229643	3.829675
1433	495661.06	3858401.99	0.33416	0.10876	0.14012	0.26045	0.56646	0.51744	0.10835	0.10876	3.42878488	0.048946966	3.555E-06	0.013492	0.261223	0.071585	0.187067	0.18020869	3.830894
1434	494311.06	3858451.99	0.57067	0.11403	0.24003	0.32324	1.58685	0.26365	0.1225	0.11403	5.85559213	0.051318707	6.089E-06	0.016744	0.731776	0.036475	0.211497	0.18894076	6.714469
1435	494361.06	3858451.99	0.56579	0.115	0.23564	0.3222	1.57466	0.26345	0.12238	0.115	5.8055189	0.051755251	5.978E-06	0.01669	0.726155	0.036447	0.21129	0.19054799	6.657315
1436	494411.06	3858451.99	0.56143	0.11609	0.23104	0.32175	1.56181	0.26862	0.12248	0.11609	5.76078134	0.052245801	5.861E-06	0.016667	0.720229	0.037162	0.211463	0.19235405	6.606201
1437	494461.06	3858451.99	0.55743	0.11672	0.22663	0.32177	1.54824	0.27374	0.12272	0.11672	5.71973771	0.05252933	5.749E-06	0.016668	0.713971	0.037871	0.211877	0.19339793	6.559262
1438	494511.06	3858451.99	0.55439	0.11747	0.22236	0.32314	1.53404	0.27834	0.12347	0.11747	5.68854455	0.052866864	5.641E-06	0.016739	0.707423	0.038507	0.213172	0.19464063	6.522618
1439	494561.06	3858451.99	0.54974	0.1183	0.21757	0.32193	1.51872	0.28446	0.12301	0.1183	5.64083133	0.053240402	5.519E-06	0.016676	0.700358	0.039354	0.212378	0.19601589	6.466828
1440	494611.06	3858451.99	0.54586	0.11868	0.21292	0.32165	1.50293	0.29028	0.12293	0.11868	5.60101901	0.053411419	5.401E-06	0.016662	0.693077	0.040159	0.21224	0.19664553	6.419928
1441	494661.06	3858451.99	0.5418	0.11917	0.20818	0.32087	1.48648	0.29643	0.12258	0.11917	5.55935972	0.053631942	5.281E-06	0.016622	0.685491	0.04101	0.211636	0.19745743	6.370297
1442	494711.06	3858451.99	0.53706	0.11975	0.2033	0.31873	1.46932	0.30348	0.12157	0.11975	5.51072302	0.053892968	5.157E-06	0.016511	0.677577	0.041985	0.209892	0.19841845	6.312168
1443	494761.06	3858451.99	0.53233	0.11986	0.19845	0.31627	1.45144	0.31114	0.12033	0.11986	5.46218893	0.053942473	5.034E-06	0.016383	0.669332	0.043045	0.207751	0.19860071	6.254047
1444	494811.06	3858451.99	0.35198	0.12008	0.19375	0.31451	1.43323	0.31846	0.12047	0.12008	3.61163425	0.054041483	4.915E-06	0.016292	0.660935	0.044057	0.207993	0.19896524	4.395992
1445	494861.06	3858451.99	0.35115	0.12021	0.1532	0.31194	0.73526	0.32596	0.12051	0.12021	3.6031177	0.054099989	3.886E-06	0.016159	0.339065	0.045095	0.208062	0.19918064	4.066422
1446	494911.06	3858451.99	0.35038	0.12044	0.15108	0.3076	0.70925	0.3334	0.12049	0.12044	3.5952168	0.0542035	3.833E-06	0.015934	0.327071	0.046124	0.208027	0.19956174	4.047019
1447	494961.06	3858451.99	0.34934	0.12019	0.14847	0.30459	0.70744	0.34316	0.12037	0.12019	3.58454545	0.054090988	3.766E-06	0.015778	0.326236	0.047475	0.20782	0.1991475	4.036802
1448	495011.06	3858451.99	0.3484	0.12005	0.14571	0.30014	0.69221	0.35273	0.12017	0.12005	3.5749002	0.054027982	3.696E-06	0.015548	0.319213	0.048798	0.207475	0.19891553	4.02105
1449	495061.06	3858451.99	0.34768	0.11983	0.14407	0.29831	0.68791	0.36177	0.11991	0.11983	3.56751235	0.053928972	3.655E-06	0.015453	0.31723	0.050049	0.207026	0.19855101	4.012652
1450	495111.06	3858451.99	0.34672	0.11967	0.14497	0.29348	0.67308	0.37237	0.11954	0.11967	3.55766187	0.053856964	3.678E-06	0.015203	0.310391	0.051516	0.206387	0.1982859	3.996733
1451	495161.06	3858451.99	0.34572	0.11911	0.14556	0.28778	0.65603	0.38502	0.1191	0.11911	3.54740097	0.053604939	3.693E-06	0.014907	0.302528	0.053266	0.205627	0.19735801	3.97998
1452	495211.06	3858451.99	0.34476	0.1189	0.1461	0.28247	0.64018	0.39716	0.11886	0.1189	3.5375505	0.053510429	3.706E-06	0.014632	0.295219	0.054945	0.205213	0.19701005	3.964064
1453	495261.06	3858451.99	0.34392	0.11806	0.14687	0.27882	0.63112	0.40963	0.11812	0.11806	3.52893133	0.053132391	3.726E-06	0.014443	0.291041	0.05667	0.203935	0.19561822	3.952539
1454	495311.06	3858451.99	0.34313	0.11742	0.1476	0.27556	0.6241	0.42215	0.1173	0.11742	3.52082522	0.052844362	3.744E-06	0.014274	0.287804	0.058402	0.20252	0.19455778	3.942116
1455	495361.06	3858451.99	0.34237	0.11671	0.14829	0.27258	0.61849	0.43454	0.11656	0.11671	3.51302693	0.052524829	3.762E-06	0.01412	0.285217	0.060116	0.201242	0.19338136	3.93287
1456	495411.06	3858451.99	0.3417	0.11592	0.1491	0.27061	0.617	0.44768	0.11575	0.11592	3.50615212	0.052169293	3.782E-06	0.014018	0.28453	0.061934	0.199844	0.19207237	3.926578
1457	495461.06	3858451.99	0.34103	0.11519	0.14983	0.26872	0.61615	0.46228	0.11486	0.11519	3.49927731	0.05184076	3.801E-06	0.01392	0.284138	0.063954	0.198307	0.19086281	3.920578
1458	495511.06	3858451.99	0.3402	0.11426	0.14998	0.26497	0.60817	0.47856	0.11403	0.11426	3.49076076	0.051422217	3.805E-06	0.013726	0.280458	0.066206	0.196874	0.18932186	3.910129
1459	495561.06	3858451.99	0.33963	0.11314	0.15069	0.26384	0.61042	0.49506	0.11289	0.11314	3.48491204	0.050918166	3.823E-06	0.013667	0.281495	0.068489	0.194906	0.18746608	3.906925
1460	495611.06	3858451.99	0.33873	0.11207	0.15045	0.25947	0.59986	0.5143	0.1118	0.11207	3.47567722	0.050436617	3.817E-06	0.013441	0.276626	0.071151	0.193024	0.18569316	3.894666
1461	495661.06	3858451.99	0.33807	0.11095	0.15074	0.25755	0.59889	0.53515	0.11066	0.11095	3.46890502	0.049932566	3.824E-06	0.013341	0.276178	0.074035	0.191056	0.18383739	3.889615
1462	494311.06	3858501.99	0.58081	0.11682	0.22806	0.30665	1.60367	0.26362	0.12206	0.11682	5.95963773	0.052574334	5.785E-06	0.015885	0.739533	0.036471	0.210738	0.19356362	6.82128
1463	494361.06	3858501.99	0.57694	0.11276	0.22296	0.30738	1.59688	0.26823	0.12271	0.11276	5.91992802	0.050747149	5.656E-06	0.015923	0.736402	0.037108	0.21186	0.18683645	6.785137
1464	494411.06	3858501.99	0.57274	0.1138	0.21771	0.30761	1.58909	0.27349	0.12306	0.1138	5.8768322	0.051215196	5.523E-06	0.015935	0.732809	0.037836	0.212464	0.18855966	6.738538
1465	494461.06	3858501.99	0.56946	0.11459	0.21267	0.30918	1.58042	0.27819	0.12399	0.11459	5.84317643	0.051570732	5.395E-06	0.016016	0.728811	0.038486	0.21407	0.18986865	6.702267
1466	494511.06	3858501.99	0.5644	0.11547	0.20713	0.30801	1.57056	0.28447	0.1237	0.11547	5.79125624	0.051966773	5.254E-06	0.015955	0.724264	0.039355	0.213569	0.19132675	6.645046
1467	494561.06	3858501.99	0.56289	0.1165	0.20253	0.31218	1.56056	0.28829	0.12569	0.1165	5.77576227	0.05243032	5.138E-06	0.016171	0.719653	0.039884	0.217005	0.1930334	6.627877
1468	494611.06	3858501.99	0.55832	0.11723	0.19712	0.31153	1.54914	0.29487	0.12555	0.11723	5.72886992	0.052758853	5.001E-06	0.016138	0.714386	0.040794	0.216763	0.19424296	6.575472
1469	494661.06	3858501.99	0.55474	0.11789	0.19179	0.31223	1.53703	0.30069	0.12596	0.11789	5.69213587	0.053055883	4.865E-06	0.016174	0.708802	0.041599	0.217471	0.19533654	6.533906
1470	494711.06	3858501.99	0.54978	0.11825	0.18639	0.31056	1.52385	0.30838	0.12528	0.11825	5.64124177	0.0532179	4.728E-06	0.016087	0.702724	0.042663	0.216297	0.19593304	6.476303
1471	494761.06	3858501.99	0.54439	0.11872	0.181	0.30813	1.50992	0.31681	0.12414	0.11872	5.58593548	0.053429421	4.592E-06	0.015962	0.6963	0.043829	0.214329	0.1967118	6.413077
1472	494811.06	3858501.99	0.53929	0.1191	0.17579	0.30591	1.49533	0.32503	0.12305	0.1191	5.53360485	0.053600438	4.459E-06	0.015847	0.689572	0.044966	0.212447	0.19734144	6.3527
1473	494861.06	3858501.99	0.53529	0.11941	0.17088	0.30501	1.48024	0.33314	0.12255	0.11941	5.49256122	0.053739953	4.335E-06	0.0158	0.682613	0.046088	0.211584	0.19785509	6.304536
1474	494911.06	3858501.99	0.35346	0.11962	0.16579	0.30029	1.46407	0.34285	0.12014	0.11962	3.62682039	0.053834462	4.206E-06	0.015555	0.675156	0.047432	0.207423	0.19820305	4.428022
1475	494961.06	3858501.99	0.35269	0.11975	0.16029	0.29887	0.72393	0.35157	0.12018	0.11975	3.61891949	0.053892968	4.066E-06	0.015482	0.333841	0.048638	0.207492	0.19841845	4.079851
1476	495011.06	3858501.99	0.35173	0.11979	0.16043	0.29461	0.71568	0.36139	0.12014	0.11979	3.60906902	0.05391097	4.07E-06	0.015261	0.330036	0.049997	0.207423	0.19848473	4.067216
1477	495061.06	3858501.99	0.35105	0.11975	0.16116	0.29366	0.70716	0.37086	0.12023	0.11975	3.6020916	0.053892968	4.088E-06	0.015212	0.326107	0.051307	0.207578	0.19841845	4.057774
1478	495111.06	3858501.99	0.34995	0.1196	0.16065	0.28731	0.6984	0.38269	0.12002	0.1196	3.59080461	0.053825461	4.075E-06	0.014883	0.322067	0.052943	0.207216	0.19816991	4.043574

1479	495161.06	3858501.99	0.34905	0.11938	0.16056	0.2835	0.68943	0.3951	0.11957	0.11938	3.58156979	0.053726451	4.073E-06	0.014686	0.317931	0.05466	0.206439	0.19780538	4.03121
1480	495211.06	3858501.99	0.34816	0.11923	0.16033	0.27952	0.68023	0.40808	0.11938	0.11923	3.57243758	0.053658944	4.067E-06	0.01448	0.313688	0.056456	0.206111	0.19755684	4.019278
1481	495261.06	3858501.99	0.34739	0.11868	0.16023	0.27668	0.67088	0.42167	0.11878	0.11868	3.56453668	0.053411419	4.065E-06	0.014332	0.309377	0.058336	0.205075	0.19664553	4.008426
1482	495311.06	3858501.99	0.34669	0.11822	0.16029	0.27496	0.66135	0.43454	0.11828	0.11822	3.55735405	0.053204398	4.066E-06	0.014243	0.304982	0.060116	0.204212	0.19588333	3.998232
1483	495361.06	3858501.99	0.346	0.11798	0.16024	0.27311	0.65168	0.44842	0.11786	0.11798	3.55027402	0.053096387	4.065E-06	0.014147	0.300522	0.062037	0.203486	0.19548567	3.988082
1484	495411.06	3858501.99	0.34536	0.11706	0.16018	0.27162	0.64523	0.4626	0.11736	0.11706	3.54370704	0.052682345	4.063E-06	0.01407	0.297548	0.063998	0.202623	0.19396129	3.980672
1485	495461.06	3858501.99	0.34472	0.11636	0.15999	0.26993	0.64474	0.47815	0.11632	0.11636	3.53714006	0.052367313	4.059E-06	0.013983	0.297322	0.06615	0.200828	0.19280143	3.974992
1486	495511.06	3858501.99	0.34401	0.11559	0.15954	0.26743	0.64141	0.49579	0.11552	0.11559	3.52985482	0.052020778	4.047E-06	0.013853	0.295786	0.06859	0.199446	0.19152558	3.96803
1487	495561.06	3858501.99	0.34345	0.11475	0.15942	0.26664	0.64541	0.51429	0.11465	0.11475	3.52410871	0.05164274	4.044E-06	0.013812	0.297631	0.07115	0.197944	0.19013376	3.966159
1488	495611.06	3858501.99	0.34286	0.11384	0.15897	0.26299	0.61381	0.53564	0.11372	0.11384	3.51805477	0.051233198	4.033E-06	0.013623	0.283059	0.074103	0.196339	0.18862594	3.94779
1489	495661.06	3858501.99	0.34201	0.11285	0.158	0.26112	0.63779	0.55996	0.1127	0.11285	3.509333	0.050787653	4.008E-06	0.013526	0.294117	0.077468	0.194578	0.18698557	3.952828
1490	494311.06	3858551.99	0.58733	0.13166	0.21147	0.28948	1.59253	0.27035	0.13142	0.13166	6.02653885	0.059253012	5.365E-06	0.014995	0.734396	0.037402	0.226898	0.2181526	6.881335
1491	494361.06	3858551.99	0.58684	0.12513	0.21428	0.29515	1.59192	0.27329	0.12488	0.12513	6.021511	0.056314214	5.436E-06	0.015289	0.734114	0.037808	0.215607	0.20733278	6.873316
1492	494411.06	3858551.99	0.58519	0.11839	0.21603	0.30071	1.58965	0.2778	0.12439	0.11839	6.0045805	0.053280906	5.48E-06	0.015577	0.733068	0.038432	0.214761	0.19616501	6.86354
1493	494461.06	3858551.99	0.58262	0.11222	0.21739	0.30355	1.58647	0.28215	0.12596	0.11222	5.97820997	0.050504124	5.515E-06	0.015724	0.731601	0.039034	0.217471	0.1859417	6.846609
1494	494511.06	3858551.99	0.5789	0.11325	0.21799	0.30466	1.58205	0.28744	0.12677	0.11325	5.9400394	0.050967671	5.53E-06	0.015782	0.729563	0.039766	0.21887	0.18764835	6.807345
1495	494561.06	3858551.99	0.57549	0.11422	0.21834	0.30625	1.57674	0.29263	0.12774	0.11422	5.9050497	0.051404216	5.539E-06	0.015864	0.727114	0.040484	0.220544	0.18925558	6.771211
1496	494611.06	3858551.99	0.57138	0.1151	0.21811	0.30668	1.57021	0.29874	0.12818	0.1151	5.86287737	0.051800256	5.533E-06	0.015886	0.724103	0.041329	0.221304	0.19071368	6.726592
1497	494661.06	3858551.99	0.56751	0.11591	0.21766	0.30746	1.56282	0.305	0.12872	0.11591	5.82316766	0.052164793	5.522E-06	0.015927	0.720695	0.042195	0.222236	0.19205581	6.684336
1498	494711.06	3858551.99	0.56206	0.11704	0.17646	0.30557	1.5542	0.31342	0.12794	0.11704	5.76724571	0.052673344	4.476E-06	0.015829	0.71672	0.04336	0.22089	0.19392815	6.622794
1499	494761.06	3858551.99	0.55665	0.11726	0.17665	0.30363	1.54478	0.32232	0.12716	0.11726	5.7117342	0.052772354	4.481E-06	0.015728	0.712376	0.044591	0.219543	0.19429267	6.562457
1500	494811.06	3858551.99	0.55205	0.11782	0.1769	0.30274	1.53467	0.3307	0.12685	0.11782	5.66453403	0.05302438	4.488E-06	0.015682	0.707714	0.045751	0.219008	0.19522056	6.510497
1501	494861.06	3858551.99	0.54665	0.11829	0.17667	0.30044	1.52361	0.34047	0.12585	0.11829	5.60912513	0.053235901	4.482E-06	0.015563	0.702613	0.047102	0.217281	0.19599932	6.448926
1502	494911.06	3858551.99	0.54071	0.11885	0.17607	0.29724	1.51167	0.35988	0.12432	0.11885	5.54817534	0.053487927	4.467E-06	0.015397	0.697107	0.049788	0.21464	0.19692721	6.381673
1503	494961.06	3858551.99	0.53567	0.11896	0.17557	0.29514	1.49915	0.36106	0.12326	0.11896	5.49646036	0.053537432	4.454E-06	0.015289	0.691334	0.049951	0.21281	0.19710947	6.322276
1504	495011.06	3858551.99	0.52973	0.11917	0.17454	0.29135	1.48577	0.37173	0.1213	0.11917	5.43551057	0.053631942	4.428E-06	0.015092	0.685163	0.051427	0.209426	0.19745743	6.252798
1505	495061.06	3858551.99	0.35411	0.11931	0.17396	0.2899	1.472	0.38194	0.12042	0.11931	3.63348998	0.053694948	4.413E-06	0.015017	0.678813	0.05284	0.207906	0.1976894	4.444076
1506	495111.06	3858551.99	0.35307	0.11934	0.1724	0.28436	0.72892	0.39404	0.11982	0.11934	3.62281864	0.053708449	4.373E-06	0.01473	0.336142	0.054514	0.20687	0.19773911	4.091048
1507	495161.06	3858551.99	0.35222	0.11948	0.1713	0.28128	0.72162	0.40633	0.11971	0.11948	3.61409687	0.053771456	4.346E-06	0.014571	0.332775	0.056214	0.206681	0.19797108	4.080142
1508	495211.06	3858551.99	0.35139	0.11917	0.17019	0.27853	0.714	0.41979	0.11953	0.11917	3.60558031	0.053631942	4.317E-06	0.014428	0.329261	0.058076	0.20637	0.19745743	4.069894
1509	495261.06	3858551.99	0.35066	0.11896	0.16924	0.27684	0.70614	0.43308	0.11927	0.11896	3.59808985	0.053537432	4.293E-06	0.014341	0.325637	0.059914	0.205921	0.19710947	4.060335
1510	495311.06	3858551.99	0.35007	0.11868	0.16849	0.2764	0.69799	0.44711	0.11894	0.11868	3.59203591	0.053411419	4.274E-06	0.014318	0.321878	0.061855	0.205351	0.19664553	4.052209
1511	495361.06	3858551.99	0.34942	0.11831	0.16756	0.27535	0.68965	0.46211	0.11852	0.11831	3.58536633	0.053244902	4.251E-06	0.014264	0.318032	0.063931	0.204626	0.19603246	4.043436
1512	495411.06	3858551.99	0.34885	0.11786	0.16673	0.27501	0.68106	0.47715	0.11803	0.11786	3.57951761	0.053042382	4.23E-06	0.014246	0.314071	0.066011	0.20378	0.19528684	4.035386
1513	495461.06	3858551.99	0.34822	0.11733	0.16565	0.27373	0.67229	0.49516	0.11746	0.11733	3.57305324	0.052803858	4.202E-06	0.01418	0.310027	0.068503	0.202796	0.19440866	4.026958
1514	495511.06	3858551.99	0.34764	0.11672	0.16464	0.27295	0.66859	0.51434	0.11682	0.11672	3.56710191	0.05252933	4.177E-06	0.014139	0.308321	0.071156	0.201691	0.19339793	4.021545
1515	495561.06	3858551.99	0.34699	0.11603	0.16336	0.27115	0.66817	0.53623	0.11626	0.11603	3.56043232	0.052218798	4.144E-06	0.014046	0.308127	0.074185	0.200724	0.19225464	4.017482
1516	495611.06	3858551.99	0.3463	0.11527	0.16192	0.26875	0.6658	0.56031	0.11531	0.11527	3.55335229	0.051876763	4.108E-06	0.013922	0.307034	0.077516	0.199084	0.19099536	4.011793
1517	495661.06	3858551.99	0.34558	0.11458	0.16033	0.26592	0.66204	0.58699	0.11459	0.11458	3.54596444	0.051566232	4.067E-06	0.013775	0.3053	0.081207	0.197841	0.18985208	4.005806
1518	494311.06	3858601.99	0.58159	0.14044	0.18605	0.26606	1.55209	0.28143	0.14045	0.14044	5.96764124	0.063204413	4.72E-06	0.013782	0.715747	0.038934	0.242488	0.23270052	6.809102
1519	494361.06	3858601.99	0.59376	0.14179	0.22504	0.28553	1.55932	0.2809	0.14182	0.14179	6.09251648	0.063811974	5.709E-06	0.014791	0.719081	0.038861	0.244854	0.23493739	6.938983
1520	494411.06	3858601.99	0.59849	0.13921	0.22722	0.30067	1.5639	0.28173	0.13926	0.13921	6.14105057	0.062650857	5.764E-06	0.015575	0.721193	0.038976	0.240434	0.23066249	6.989223
1521	494461.06	3858601.99	0.5956	0.13075	0.22632	0.30302	1.56604	0.28626	0.13077	0.13075	6.11139655	0.05884347	5.741E-06	0.015697	0.72218	0.039603	0.225776	0.21664478	6.956856
1522	494511.06	3858601.99	0.59153	0.12156	0.22477	0.30139	1.56694	0.29129	0.12825	0.12156	6.06963466	0.054707551	5.702E-06	0.015612	0.722595	0.040299	0.221425	0.20141751	6.922861
1523	494561.06	3858601.99	0.58867	0.1142	0.22315	0.30605	1.56678	0.29659	0.13005	0.1142	6.04028846	0.051395215	5.661E-06	0.015854	0.722521	0.041032	0.224533	0.18922244	6.906406
1524	494611.06	3858601.99	0.58369	0.11317	0.22056	0.30515	1.5653	0.30376	0.13005	0.11317	5.98918914	0.050931668	5.595E-06	0.015807	0.721839	0.042024	0.224533	0.18751579	6.856813
1525	494661.06	3858601.99	0.57949	0.11388	0.21804	0.30551	1.563	0.31028	0.13054	0.11388	5.94609333	0.0512512	5.531E-06	0.015826	0.720778	0.042926	0.225379	0.18869222	6.813566
1526	494711.06	3858601.99	0.57418	0.11471	0.21489	0.30402	1.55948	0.31852	0.13021	0.11471	5.89160791	0.051624738	5.451E-06	0.015749	0.719155	0.044066	0.224809	0.19006748	6.756949
1527	494761.06	3858601.99	0.56886	0.1155	0.21158	0.3025	1.5549	0.32744	0.12983	0.1155	5.83701988	0.051980274	5.367E-06	0.01567	0.717043	0.0453	0.224153	0.19137646	6.699794
1528	494811.06	3858601.99	0.56195	0.11639	0.18995	0.29835	1.54906	0.33882	0.12816	0.11639	5.76611701	0.052380815	4.819E-06	0.015455	0.71435	0.046874	0.22127	0.19285114	6.6236
1529	494861.06	3858601.99	0.5573	0.11683	0.18888	0.29777	1.54283	0.34828	0.12798	0.11683	5.71840379	0.052578835	4.791E-06	0.015425	0.711477	0.048183	0.220959	0.19358019	6.57345
1530	494911.06	3858601.99	0.55068	0.11738	0.18695	0.29384	1.53531	0.38277	0.12639	0.11738	5.65047658	0.05282636	4.743E-06	0.015221	0.708009	0.052954	0.218214	0.19449151	6.503214
1531	494961.06	3858601.99	0.54546	0.11784	0.18534	0.29209	1.52716	0.3712	0.12563	0.11784	5.59691465	0.053033381	4.702E-06	0.015131	0.70425	0.051354	0.216901	0.1952537	6.442335
1532	495011.06	3858601.99	0.5401	0.11822	0.18353	0.28999	1.5182	0.38262	0.12462	0.11822	5.54191618	0.053204398	4.656E-06	0.015022	0.700118	0.052934	0.215158	0.19588333	6.382474
1533	495061.06	3858601.99	0.53456	0.11852	0.18152	0.28742	1.50848	0.39417	0.12337	0.11852	5.48507075	0.053339412	4.605E-06	0.014889	0.695636	0.054531	0.213	0.19638042	6.32009
1534	495111.06	3858601.99	0.35586	0.11872	0.17874	0.28196	1.4976	0.40653	0.12063	0.11872	3.65144657	0.053429421	4.534E-06	0.014606	0.690619	0.056241	0.208269	0.1967118	4.477904
1535	495161.06	3858601.99	0.35509	0.11886	0.17678	0.28019	0.7434	0.41982	0.11956	0.11886	3.64354567	0.053492427	4.485E-06	0.014514	0.342819	0.05808	0.206422	0.19694378	4.121934

1536	495211.06	3858601.99	0.35445	0.11892	0.17507	0.27971	0.73767	0.43321	0.11952	0.11892	3.63697869	0.05351943	4.441E-06	0.014489	0.340177	0.059932	0.206352	0.19704319	4.11441
1537	495261.06	3858601.99	0.35376	0.11889	0.17317	0.27855	0.73163	0.44735	0.11943	0.11889	3.62989866	0.053505929	4.393E-06	0.014429	0.337391	0.061889	0.206197	0.19699348	4.106322
1538	495311.06	3858601.99	0.35312	0.11878	0.17138	0.27801	0.72524	0.46287	0.11926	0.11878	3.62333168	0.053456424	4.348E-06	0.014401	0.334445	0.064036	0.205904	0.19681122	4.098767
1539	495361.06	3858601.99	0.35256	0.11858	0.16973	0.27826	0.71857	0.47859	0.11901	0.11858	3.61758557	0.053366415	4.306E-06	0.014414	0.331369	0.066211	0.205472	0.19647983	4.091942
1540	495411.06	3858601.99	0.352	0.11831	0.168	0.27822	0.71158	0.49601	0.11868	0.11831	3.61183947	0.053244902	4.262E-06	0.014412	0.328145	0.068621	0.204902	0.19603246	4.085137
1541	495461.06	3858601.99	0.35145	0.11795	0.16626	0.27818	0.70433	0.51566	0.11828	0.11795	3.60619597	0.053082886	4.218E-06	0.01441	0.324802	0.071339	0.204212	0.19543596	4.07861
1542	495511.06	3858601.99	0.35078	0.1175	0.16415	0.27641	0.69679	0.53714	0.11779	0.1175	3.59932116	0.052880365	4.164E-06	0.014318	0.321325	0.074311	0.203366	0.19469034	4.070835
1543	495561.06	3858601.99	0.35025	0.11699	0.16243	0.27642	0.68906	0.56196	0.11724	0.11699	3.59388288	0.052650842	4.12E-06	0.014319	0.31776	0.077744	0.202416	0.1938453	4.064932
1544	495611.06	3858601.99	0.34952	0.11638	0.16011	0.27363	0.68107	0.588	0.11659	0.11638	3.58639242	0.052376314	4.062E-06	0.014174	0.314076	0.081347	0.201294	0.19283457	4.056829
1545	495661.06	3858601.99	0.34896	0.11571	0.15859	0.27268	0.67869	0.61962	0.11605	0.11571	3.58064631	0.052074784	4.023E-06	0.014125	0.312978	0.085721	0.200362	0.19172442	4.054187
1546	494311.06	3858651.99	0.58687	0.15724	0.19938	0.26025	1.489	0.289	0.15752	0.15724	6.02181883	0.07076518	5.058E-06	0.013481	0.686653	0.039982	0.27196	0.2605371	6.844128
1547	494361.06	3858651.99	0.5993	0.15886	0.22456	0.27881	1.50156	0.28864	0.15916	0.15886	6.14936191	0.071494254	5.697E-06	0.014443	0.692445	0.039932	0.274791	0.26322134	6.979251
1548	494411.06	3858651.99	0.6093	0.15977	0.22703	0.30055	1.51286	0.28657	0.16011	0.15977	6.25197099	0.071903795	5.759E-06	0.015569	0.697656	0.039646	0.276432	0.26472915	7.088453
1549	494461.06	3858651.99	0.60695	0.15177	0.2244	0.30525	1.52014	0.29152	0.15208	0.15177	6.22785785	0.06830343	5.693E-06	0.015812	0.701013	0.04033	0.262568	0.25147364	7.064417
1550	494511.06	3858651.99	0.60299	0.14215	0.22075	0.30567	1.52612	0.29717	0.14241	0.14215	6.18722466	0.063973991	5.6E-06	0.015834	0.703771	0.041112	0.245872	0.23553389	7.02226
1551	494561.06	3858651.99	0.5996	0.13334	0.21719	0.30723	1.53124	0.30239	0.13357	0.13334	6.15244018	0.060009089	5.51E-06	0.015915	0.706132	0.041834	0.23061	0.22093625	6.986009
1552	494611.06	3858651.99	0.59567	0.12454	0.21326	0.30784	1.53519	0.30849	0.13215	0.12454	6.11211482	0.056048687	5.41E-06	0.015947	0.707953	0.042678	0.228158	0.20635519	6.95655
1553	494661.06	3858651.99	0.59084	0.11557	0.20893	0.30684	1.53781	0.327	0.13223	0.11557	6.06255463	0.052011777	5.3E-06	0.015895	0.709162	0.045239	0.228296	0.19149245	6.921671
1554	494711.06	3858651.99	0.58506	0.1126	0.20508	0.30435	1.53913	0.32515	0.13165	0.1126	6.00324659	0.050675142	5.202E-06	0.015766	0.70977	0.044983	0.227295	0.18657134	6.86517
1555	494761.06	3858651.99	0.58001	0.11375	0.20211	0.30327	1.53973	0.38292	0.13157	0.11375	5.951429	0.051192694	5.127E-06	0.01571	0.710047	0.052975	0.227157	0.18847682	6.820039
1556	494811.06	3858651.99	0.57359	0.11432	0.19797	0.29991	1.53901	0.34504	0.13051	0.11432	5.88555398	0.05144922	5.022E-06	0.015536	0.709715	0.047735	0.225327	0.18942127	6.745899
1557	494861.06	3858651.99	0.56748	0.11509	0.19482	0.2971	1.53733	0.35651	0.12963	0.11509	5.82285983	0.051795755	4.942E-06	0.01539	0.70894	0.049321	0.223808	0.19069712	6.681423
1558	494911.06	3858651.99	0.56089	0.11598	0.19186	0.29356	1.53464	0.40978	0.12826	0.11598	5.75524045	0.052196296	4.867E-06	0.015207	0.7077	0.056691	0.221442	0.19217179	6.61631
1559	494961.06	3858651.99	0.55471	0.1166	0.18893	0.29065	1.53115	0.38205	0.12711	0.1166	5.69182804	0.052475324	4.793E-06	0.015056	0.70609	0.052855	0.219457	0.19319909	6.544567
1560	495011.06	3858651.99	0.54947	0.11717	0.18623	0.28902	1.52691	0.3945	0.12656	0.11717	5.63806089	0.05273185	4.724E-06	0.014972	0.704135	0.054577	0.218507	0.19414355	6.488845
1561	495061.06	3858651.99	0.54379	0.11742	0.18328	0.2867	1.52169	0.40672	0.12559	0.11742	5.57977893	0.052844362	4.649E-06	0.014851	0.701728	0.056268	0.216832	0.19455778	6.42775
1562	495111.06	3858651.99	0.53738	0.11798	0.18035	0.2833	1.5154	0.42006	0.12403	0.11798	5.51400651	0.053096387	4.575E-06	0.014675	0.698827	0.058113	0.214139	0.19548567	6.357377
1563	495161.06	3858651.99	0.53269	0.1181	0.17889	0.28216	1.50866	0.43346	0.12346	0.1181	5.46588286	0.053150393	4.538E-06	0.014616	0.695719	0.059967	0.213155	0.1956845	6.306811
1564	495211.06	3858651.99	0.52749	0.11832	0.17732	0.28008	1.50096	0.44789	0.12234	0.11832	5.41252614	0.053249403	4.498E-06	0.014509	0.692168	0.061963	0.211221	0.19604903	6.249592
1565	495261.06	3858651.99	0.5248	0.11847	0.17691	0.28138	1.49299	0.46316	0.12279	0.11847	5.3849243	0.05331691	4.488E-06	0.014576	0.688493	0.064076	0.211998	0.19629757	6.221091
1566	495311.06	3858651.99	0.356	0.11871	0.17624	0.28136	1.48406	0.47983	0.12259	0.11871	3.6528831	0.053424921	4.471E-06	0.014575	0.684375	0.066382	0.211653	0.19669523	4.486602
1567	495361.06	3858651.99	0.35548	0.11851	0.17589	0.28216	1.47455	0.49816	0.12277	0.11851	3.64754742	0.053334911	4.462E-06	0.014616	0.679989	0.068918	0.211964	0.19636385	4.48001
1568	495411.06	3858651.99	0.355	0.11841	0.17569	0.28326	1.46435	0.51872	0.12307	0.11841	3.64262219	0.053289907	4.457E-06	0.014673	0.675286	0.071762	0.212482	0.19619815	4.473921
1569	495461.06	3858651.99	0.35456	0.11823	0.17566	0.28477	1.45364	0.54236	0.12357	0.11823	3.63810739	0.053208899	4.456E-06	0.014751	0.670347	0.075033	0.213345	0.1958999	4.468897
1570	495511.06	3858651.99	0.35389	0.11796	0.17508	0.28328	1.44186	0.56597	0.12264	0.11796	3.63123258	0.053087386	4.441E-06	0.014674	0.664914	0.078299	0.211739	0.19545253	4.458499
1571	495561.06	3858651.99	0.35329	0.1176	0.17473	0.28234	0.71483	0.59367	0.12196	0.1176	3.62507604	0.05292537	4.433E-06	0.014626	0.329644	0.082131	0.210565	0.19485603	4.120116
1572	495611.06	3858651.99	0.35256	0.11716	0.1742	0.27983	0.70843	0.62142	0.12052	0.11716	3.61758557	0.05272735	4.419E-06	0.014496	0.326693	0.08597	0.208079	0.19412698	4.111428
1573	495661.06	3858651.99	0.35203	0.11666	0.17416	0.27947	0.70181	0.65744	0.12014	0.11666	3.61214729	0.052502327	4.418E-06	0.014477	0.32364	0.090954	0.207423	0.19329851	4.107849
1574	494311.06	3858701.99	0.59827	0.17971	0.21463	0.26493	1.40553	0.29507	0.1803	0.17971	6.13879318	0.080877706	5.445E-06	0.013724	0.648161	0.040821	0.31129	0.29776852	6.935903
1575	494361.06	3858701.99	0.61438	0.18465	0.22074	0.28994	1.42388	0.29316	0.18528	0.18465	6.3040964	0.083100932	5.6E-06	0.015019	0.656623	0.040557	0.319888	0.3059538	7.113336
1576	494411.06	3858701.99	0.61972	0.18211	0.22841	0.30586	1.43913	0.29966	0.18275	0.18211	6.35888964	0.081957816	5.794E-06	0.015844	0.663655	0.041456	0.31552	0.30174517	7.175584
1577	494461.06	3858701.99	0.61709	0.17302	0.22922	0.30853	1.45139	0.30395	0.17361	0.17302	6.33190346	0.0778669	5.815E-06	0.015982	0.669309	0.04205	0.299739	0.28668359	7.150173
1578	494511.06	3858701.99	0.61339	0.16388	0.24433	0.3109	1.46226	0.30525	0.16442	0.16388	6.2939381	0.073753483	6.198E-06	0.016105	0.674322	0.04223	0.283873	0.27153917	7.112688
1579	494561.06	3858701.99	0.60949	0.15403	0.24276	0.31121	1.47216	0.30924	0.15452	0.15403	6.25392056	0.069320533	6.158E-06	0.016121	0.678887	0.042782	0.26678	0.25521832	7.072599
1580	494611.06	3858701.99	0.60314	0.14257	0.2377	0.30688	1.48027	0.31846	0.143	0.14257	6.1887638	0.06416301	6.03E-06	0.015897	0.682627	0.044057	0.246891	0.2362298	7.006175
1581	494661.06	3858701.99	0.60031	0.13428	0.23735	0.30948	1.48841	0.34779	0.13468	0.13428	6.15972543	0.060432132	6.021E-06	0.016031	0.686381	0.048115	0.232526	0.22249378	6.980724
1582	494711.06	3858701.99	0.58912	0.12046	0.22701	0.29687	1.49338	0.3394	0.12889	0.12046	6.04490587	0.0542125	5.759E-06	0.015378	0.688673	0.046954	0.22253	0.19959488	6.873064
1583	494761.06	3858701.99	0.58854	0.11458	0.22881	0.30325	1.49999	0.46975	0.13191	0.11458	6.03895454	0.051566232	5.804E-06	0.015709	0.691721	0.064988	0.227744	0.18985208	6.900836
1584	494811.06	3858701.99	0.58208	0.11221	0.22422	0.2996	1.50413	0.35534	0.13086	0.11221	5.97266908	0.050499624	5.688E-06	0.01552	0.69363	0.04916	0.225931	0.18592513	6.82149
1585	494861.06	3858701.99	0.57638	0.1131	0.22062	0.29742	1.50752	0.36685	0.13036	0.1131	5.91418191	0.050900164	5.597E-06	0.015407	0.695193	0.050752	0.225068	0.18739981	6.764108
1586	494911.06	3858701.99	0.57111	0.11393	0.21748	0.29598	1.50999	0.4426	0.13012	0.11393	5.86010693	0.051273702	5.517E-06	0.015332	0.696332	0.061232	0.224653	0.18877507	6.720161
1587	494961.06	3858701.99	0.56276	0.11467	0.21191	0.28969	1.51083	0.39327	0.12779	0.11467	5.77442835	0.051606736	5.376E-06	0.015006	0.69672	0.054407	0.220631	0.1900012	6.622803
1588	495011.06	3858701.99	0.55664	0.11574	0.20855	0.28701	1.51118	0.40673	0.12677	0.11574	5.71163159	0.052088285	5.29E-06	0.014868	0.696881	0.056269	0.21887	0.19177413	6.558839
1589	495061.06	3858701.99	0.55276	0.11601	0.20696	0.28771	1.51107	0.41984	0.12727	0.11601	5.67181927	0.052209797	5.25E-06	0.014904	0.69683	0.058083	0.219733	0.1922215	6.521363
1590	495111.06	3858701.99	0.54597	0.11654	0.2035	0.28378	1.50943	0.43475	0.12578	0.11654	5.60214771	0.052448321	5.162E-06	0.0147	0.696074	0.060146	0.21716	0.19309968	6.449582
1591	495161.06	3858701.99	0.54159	0.11723	0.20175	0.28357	1.50743	0.44906	0.12575	0.11723	5.55720493	0.052758853	5.118E-06	0.014689	0.695152	0.062125	0.217109	0.19424296	6.404801
1592	495211.06	3858701.99	0.53632	0.1174	0.1996	0.28193	1.50429	0.46469	0.12504	0.1174	5.50312995	0.052835361	5.063E-06	0.014604	0.693704	0.064288	0.215883	0.19452464	6.349924

1593	495261.06	3858701.99	0.53358	0.11772	0.19889	0.28384	1.50073	0.48193	0.12587	0.11772	5.47501506	0.052979375	5.045E-06	0.014703	0.692062	0.066673	0.217316	0.19505487	6.323699
1594	495311.06	3858701.99	0.53088	0.11796	0.1982	0.28566	1.49631	0.50103	0.12663	0.11796	5.44731061	0.053087386	5.028E-06	0.014798	0.690024	0.069315	0.218628	0.19545253	6.297715
1595	495361.06	3858701.99	0.52763	0.11811	0.19726	0.28647	1.49102	0.52167	0.1269	0.11811	5.41396266	0.053154893	5.004E-06	0.01484	0.687584	0.07217	0.219094	0.19570107	6.26511
1596	495411.06	3858701.99	0.52537	0.11837	0.1968	0.2886	1.48504	0.54487	0.12775	0.11837	5.39077301	0.053271905	4.992E-06	0.01495	0.684827	0.07538	0.220562	0.19613188	6.243636
1597	495461.06	3858701.99	0.52245	0.11817	0.19605	0.2895	1.47813	0.57103	0.128	0.11817	5.36081116	0.053181896	4.973E-06	0.014997	0.68164	0.078999	0.220993	0.19580049	6.214827
1598	495511.06	3858701.99	0.51904	0.11807	0.19511	0.28934	1.47042	0.59866	0.12776	0.11807	5.32582147	0.053136891	4.95E-06	0.014988	0.678085	0.082822	0.220579	0.19563479	6.179802
1599	495561.06	3858701.99	0.51535	0.11788	0.19409	0.28837	1.46196	0.62983	0.12714	0.11788	5.28795872	0.053051383	4.924E-06	0.014938	0.674183	0.087134	0.219508	0.19531998	6.141459
1600	495611.06	3858701.99	0.51166	0.11761	0.19315	0.28709	1.45271	0.66471	0.12635	0.11761	5.25009597	0.05292987	4.9E-06	0.014872	0.669918	0.091959	0.218145	0.1948726	6.103051
1601	495661.06	3858701.99	0.50871	0.11727	0.19252	0.28669	1.44292	0.7058	0.12595	0.11727	5.21982629	0.052776855	4.884E-06	0.014851	0.665403	0.097644	0.217454	0.19430924	6.073651
1602	494311.06	3858751.99	0.61119	0.20345	0.24113	0.2723	1.30506	0.30073	0.20435	0.20345	6.2713641	0.09156179	6.117E-06	0.014106	0.601829	0.041605	0.352812	0.33710425	7.036179
1603	494361.06	3858751.99	0.62706	0.20957	0.24943	0.3024	1.32765	0.30155	0.21053	0.20957	6.4342047	0.094316069	6.327E-06	0.015665	0.612246	0.041718	0.363482	0.34724472	7.214394
1604	494411.06	3858751.99	0.6298	0.20503	0.25749	0.31525	1.34669	0.32147	0.20597	0.20503	6.46231959	0.092272862	6.532E-06	0.01633	0.621027	0.044474	0.355609	0.33972221	7.252317
1605	494461.06	3858751.99	0.62695	0.19574	0.25891	0.31746	1.3632	0.33104	0.19662	0.19574	6.433076	0.088091938	6.568E-06	0.016445	0.62864	0.045798	0.339466	0.32432925	7.227194
1606	494511.06	3858751.99	0.62359	0.18689	0.27784	0.32061	1.3785	0.33883	0.18771	0.18689	6.39859936	0.084109034	7.048E-06	0.016608	0.635696	0.046875	0.324083	0.30966534	7.196313
1607	494561.06	3858751.99	0.61946	0.17589	0.27302	0.31798	1.39276	0.33934	0.17665	0.17589	6.35622181	0.079158532	6.926E-06	0.016472	0.642272	0.046946	0.304988	0.29143901	7.154626
1608	494611.06	3858751.99	0.61352	0.16449	0.26948	0.31411	1.40547	0.33549	0.16518	0.16449	6.29527202	0.074028011	6.836E-06	0.016271	0.648133	0.046413	0.285185	0.2725499	7.09276
1609	494661.06	3858751.99	0.60942	0.15437	0.2631	0.31403	1.41793	0.3575	0.155	0.15437	6.25320229	0.069473549	6.674E-06	0.016267	0.653879	0.049458	0.267609	0.25578168	7.054114
1610	494711.06	3858751.99	0.60227	0.14245	0.25862	0.30773	1.42839	0.37583	0.14301	0.14245	6.17983681	0.064109005	6.561E-06	0.015941	0.658703	0.051994	0.246908	0.23603097	6.981467
1611	494761.06	3858751.99	0.5974	0.13322	0.25962	0.30786	1.43834	0.59108	0.13373	0.13322	6.12986619	0.059955083	6.586E-06	0.015948	0.663291	0.081773	0.230886	0.22073742	6.960988
1612	494811.06	3858751.99	0.59063	0.12261	0.25406	0.30295	1.44704	0.4072	0.13191	0.12261	6.06039984	0.055180099	6.445E-06	0.015693	0.667303	0.056334	0.227744	0.2031573	6.879503
1613	494861.06	3858751.99	0.58428	0.11295	0.2493	0.29916	1.45491	0.37945	0.13091	0.11295	5.99524308	0.050832658	6.324E-06	0.015497	0.670932	0.052495	0.226017	0.18715127	6.823872
1614	494911.06	3858751.99	0.57736	0.11182	0.24423	0.29485	1.46174	0.47654	0.1296	0.11182	5.9242376	0.050324106	6.196E-06	0.015274	0.674082	0.065927	0.223756	0.18527892	6.768327
1615	494961.06	3858751.99	0.57172	0.1127	0.24054	0.29273	1.46787	0.4044	0.12916	0.1127	5.86636608	0.050720146	6.102E-06	0.015164	0.676909	0.055947	0.222996	0.18673703	6.701371
1616	495011.06	3858751.99	0.56713	0.11354	0.23791	0.29237	1.47324	0.41798	0.12939	0.11354	5.81926851	0.051098184	6.035E-06	0.015145	0.679385	0.057825	0.223393	0.18812886	6.657993
1617	495061.06	3858751.99	0.56133	0.11431	0.23426	0.29012	1.4775	0.43279	0.12879	0.11431	5.75975525	0.05144472	5.943E-06	0.015029	0.68135	0.059874	0.222357	0.1894047	6.600411
1618	495111.06	3858751.99	0.55485	0.11541	0.23025	0.28685	1.48059	0.44899	0.12758	0.11541	5.69326457	0.05193977	5.841E-06	0.014859	0.682775	0.062116	0.220268	0.19122734	6.534
1619	495161.06	3858751.99	0.55021	0.11563	0.22783	0.2864	1.48309	0.46495	0.12759	0.11563	5.64565396	0.05203878	5.78E-06	0.014836	0.683927	0.064324	0.220285	0.19159186	6.489479
1620	495211.06	3858751.99	0.54485	0.11639	0.22498	0.28474	1.48457	0.48244	0.1271	0.11639	5.59065549	0.052380815	5.707E-06	0.01475	0.68461	0.066743	0.219439	0.19285114	6.435733
1621	495261.06	3858751.99	0.54181	0.11666	0.22376	0.28656	1.48562	0.50169	0.12803	0.11666	5.55946233	0.052502327	5.676E-06	0.014844	0.685094	0.069406	0.221045	0.19329851	6.409062
1622	495311.06	3858751.99	0.53901	0.11707	0.22269	0.2887	1.48573	0.52294	0.12905	0.11707	5.53073179	0.052686846	5.649E-06	0.014955	0.685145	0.072346	0.222806	0.19397785	6.384699
1623	495361.06	3858751.99	0.5357	0.11739	0.22128	0.28991	1.48484	0.54607	0.12964	0.11739	5.49676819	0.05283086	5.613E-06	0.015018	0.684734	0.075546	0.223825	0.19450808	6.35422
1624	495411.06	3858751.99	0.53356	0.11823	0.22059	0.29294	1.4834	0.57205	0.13095	0.11823	5.47480985	0.053208899	5.596E-06	0.015175	0.68407	0.07914	0.226087	0.1958999	6.336596
1625	495461.06	3858751.99	0.53046	0.11779	0.21932	0.29423	1.48088	0.6011	0.1315	0.11779	5.44300103	0.053010879	5.564E-06	0.015242	0.682908	0.083159	0.227036	0.19517085	6.309192
1626	495511.06	3858751.99	0.52686	0.11785	0.21778	0.2945	1.47738	0.63381	0.13157	0.11785	5.40606177	0.053037881	5.525E-06	0.015256	0.681294	0.087685	0.227157	0.19527027	6.275226
1627	495561.06	3858751.99	0.52307	0.11784	0.21618	0.29424	1.47299	0.66924	0.13136	0.11784	5.36717293	0.053033381	5.484E-06	0.015242	0.67927	0.092586	0.226794	0.1952537	6.23885
1628	495611.06	3858751.99	0.51929	0.11792	0.21465	0.29377	1.46787	0.71064	0.13102	0.11792	5.32838669	0.053069384	5.445E-06	0.015218	0.676909	0.098314	0.226207	0.19538625	6.202723
1629	495661.06	3858751.99	0.51589	0.11756	0.21336	0.2936	1.46201	0.75894	0.13078	0.11756	5.29349961	0.052907368	5.412E-06	0.015209	0.674206	0.104996	0.225793	0.19478975	6.171827
1630	494311.06	3858801.99	0.62611	0.22927	0.27122	0.28944	1.19201	0.31897	0.23051	0.22927	6.42445684	0.103181969	6.88E-06	0.014993	0.549696	0.044128	0.397978	0.37988642	7.154554
1631	494361.06	3858801.99	0.63735	0.23231	0.28096	0.31529	1.21725	0.33684	0.23359	0.23231	6.53978944	0.104550108	7.127E-06	0.016332	0.561335	0.0466	0.403296	0.38492351	7.286987
1632	494411.06	3858801.99	0.63723	0.22563	0.288	0.3226	1.23888	0.34579	0.22686	0.22563	6.53855813	0.101543803	7.306E-06	0.016711	0.57131	0.047838	0.391676	0.37385516	7.29379
1633	494461.06	3858801.99	0.63545	0.21745	0.29469	0.3271	1.25929	0.3595	0.21862	0.21745	6.52029372	0.097862429	7.476E-06	0.016944	0.580722	0.049735	0.37745	0.3603014	7.282713
1634	494511.06	3858801.99	0.63223	0.209	0.31213	0.33061	1.27827	0.3725	0.21011	0.209	6.4872536	0.094059543	7.918E-06	0.017126	0.589475	0.051534	0.362757	0.34630026	7.255912
1635	494561.06	3858801.99	0.62846	0.19902	0.31152	0.33091	1.29637	0.37845	0.20006	0.19902	6.44856997	0.089568088	7.903E-06	0.017142	0.597821	0.052357	0.345406	0.32976401	7.221107
1636	494611.06	3858801.99	0.62388	0.18841	0.30905	0.3294	1.31337	0.37924	0.18937	0.18841	6.40157502	0.084793103	7.84E-06	0.017063	0.605661	0.052466	0.326949	0.31218389	7.176332
1637	494661.06	3858801.99	0.61808	0.1769	0.30414	0.32526	1.32907	0.38254	0.17778	0.1769	6.34206175	0.079613078	7.715E-06	0.016849	0.612901	0.052923	0.306939	0.29311252	7.118182
1638	494711.06	3858801.99	0.61167	0.16499	0.29819	0.31977	1.34367	0.44026	0.1658	0.16499	6.27628934	0.074253034	7.564E-06	0.016565	0.619634	0.060908	0.286255	0.27337837	7.060533
1639	494761.06	3858801.99	0.6046	0.15281	0.29126	0.31303	1.35727	0.69705	0.15354	0.15281	6.20374472	0.068771478	7.389E-06	0.016215	0.625906	0.096433	0.265088	0.25319686	7.022969
1640	494811.06	3858801.99	0.59725	0.14085	0.28428	0.30636	1.36996	0.53212	0.14151	0.14085	6.12832705	0.063388932	7.212E-06	0.01587	0.631758	0.073616	0.244318	0.23337987	6.923905
1641	494861.06	3858801.99	0.59207	0.13108	0.28058	0.30428	1.38232	0.42717	0.13217	0.13108	6.07517555	0.058991985	7.118E-06	0.015762	0.637457	0.059097	0.228193	0.21719157	6.857492
1642	494911.06	3858801.99	0.5854	0.12078	0.27509	0.2996	1.39345	0.52295	0.13092	0.12078	6.00673529	0.054356515	6.978E-06	0.01552	0.64259	0.072348	0.226035	0.2001251	6.817466
1643	494961.06	3858801.99	0.57979	0.1118	0.27102	0.29718	1.40405	0.41843	0.13045	0.1118	5.9491716	0.050315105	6.875E-06	0.015394	0.647478	0.057888	0.225223	0.18524579	6.760231
1644	495011.06	3858801.99	0.57393	0.11149	0.26677	0.29455	1.41362	0.43351	0.12984	0.11149	5.88904268	0.050175591	6.767E-06	0.015258	0.651891	0.059974	0.22417	0.18473213	6.705786
1645	495061.06	3858801.99	0.56933	0.11259	0.26384	0.29407	1.42247	0.44745	0.13008	0.11259	5.84184251	0.050670641	6.693E-06	0.015233	0.655973	0.061903	0.224584	0.18655477	6.663658
1646	495111.06	3858801.99	0.56237	0.11339	0.25861	0.28986	1.42993	0.46451	0.12877	0.11339	5.77042659	0.051030678	6.56E-06	0.015015	0.659413	0.064263	0.222323	0.18788032	6.594597
1647	495161.06	3858801.99	0.55664	0.11414	0.25476	0.28773	1.43678	0.4821	0.12824	0.11414	5.71163159	0.051368212	6.463E-06	0.014905	0.662572	0.066696	0.221408	0.18912302	6.539464
1648	495211.06	3858801.99	0.55257	0.11466	0.25238	0.28813	1.44299	0.50069	0.12868	0.11466	5.6698697	0.051602236	6.402E-06	0.014926	0.665435	0.069268	0.222167	0.18998463	6.50329
1649	495261.06	3858801.99	0.54952	0.1153	0.25082	0.29012	1.44847	0.52144	0.12977	0.1153	5.63857393	0.051890265	6.363E-06	0.015029	0.667962	0.072139	0.224049	0.19104507	6.478604

1650	495311.06	3858801.99	0.54679	0.11586	0.24947	0.29262	1.4532	0.54428	0.13107	0.11586	5.61056165	0.05214229	6.329E-06	0.015158	0.670144	0.075298	0.226294	0.19197296	6.457631
1651	495361.06	3858801.99	0.54349	0.11653	0.24763	0.2942	1.45684	0.57034	0.1319	0.11653	5.57670066	0.052443821	6.282E-06	0.01524	0.671822	0.078904	0.227727	0.19308311	6.42976
1652	495411.06	3858801.99	0.54169	0.11717	0.24694	0.29821	1.45989	0.59697	0.1338	0.11717	5.55823102	0.05273185	6.264E-06	0.015448	0.673229	0.082588	0.231007	0.19414355	6.419097
1653	495461.06	3858801.99	0.53824	0.11708	0.24493	0.2994	1.4617	0.62911	0.13441	0.11708	5.52283089	0.052691346	6.213E-06	0.015509	0.674063	0.087034	0.23206	0.19399442	6.390201
1654	495511.06	3858801.99	0.53425	0.11753	0.24255	0.29956	1.46252	0.66553	0.1345	0.11753	5.48188987	0.052893867	6.153E-06	0.015518	0.674442	0.092073	0.232216	0.19474005	6.354298
1655	495561.06	3858801.99	0.5306	0.11746	0.24045	0.30013	1.4625	0.70693	0.13474	0.11746	5.44443756	0.052862363	6.1E-06	0.015547	0.674432	0.0978	0.23263	0.19462406	6.323092
1656	495611.06	3858801.99	0.52625	0.11753	0.23794	0.2993	1.46153	0.75692	0.13437	0.11753	5.39980261	0.052893867	6.036E-06	0.015504	0.673985	0.104716	0.231991	0.19474005	6.284159
1657	495661.06	3858801.99	0.52301	0.11774	0.2362	0.30018	1.45997	0.81151	0.13471	0.11774	5.36655727	0.052988376	5.992E-06	0.01555	0.673266	0.112268	0.232578	0.195088	6.258126
1658	494311.06	3858851.99	0.6467	0.25845	0.31074	0.32163	1.07286	0.40865	0.26009	0.25845	6.63572893	0.116314301	7.883E-06	0.016661	0.49475	0.056535	0.449048	0.4282359	7.340809
1659	494361.06	3858851.99	0.64991	0.25486	0.32408	0.33688	1.09889	0.39895	0.25648	0.25486	6.66866644	0.114698637	8.221E-06	0.017451	0.506754	0.055193	0.442815	0.42228749	7.383298
1660	494411.06	3858851.99	0.6463	0.24636	0.32523	0.33735	1.1219	0.3845	0.2479	0.24636	6.63162457	0.110873249	8.25E-06	0.017475	0.517365	0.053194	0.428002	0.4082035	7.350338
1661	494461.06	3858851.99	0.64345	0.23798	0.32801	0.33984	1.14462	0.38915	0.23944	0.23798	6.60238098	0.107101867	8.321E-06	0.017604	0.527842	0.053837	0.413396	0.39431836	7.327852
1662	494511.06	3858851.99	0.6394	0.22956	0.34641	0.34113	1.16607	0.40272	0.23095	0.22956	6.5608243	0.103312482	8.788E-06	0.017671	0.537734	0.055714	0.398738	0.38036693	7.293635
1663	494561.06	3858851.99	0.63526	0.21972	0.3453	0.34041	1.18699	0.41076	0.22102	0.21972	6.51834415	0.098884033	8.76E-06	0.017634	0.547381	0.056827	0.381593	0.36406265	7.256609
1664	494611.06	3858851.99	0.63024	0.20906	0.34192	0.33747	1.20676	0.41455	0.21027	0.20906	6.46683439	0.094086546	8.674E-06	0.017481	0.556498	0.057351	0.363033	0.34639968	7.208893
1665	494661.06	3858851.99	0.62463	0.19781	0.33716	0.3333	1.22564	0.42529	0.19894	0.19781	6.4092707	0.089023532	8.553E-06	0.017265	0.565204	0.058837	0.343472	0.32775911	7.155322
1666	494711.06	3858851.99	0.61762	0.18542	0.32975	0.32622	1.24342	0.46678	0.18645	0.18542	6.33734174	0.083447467	8.365E-06	0.016899	0.573404	0.064577	0.321908	0.30722964	7.090355
1667	494761.06	3858851.99	0.61062	0.17302	0.32267	0.31935	1.26046	0.77813	0.17396	0.17302	6.26551538	0.0778669	8.185E-06	0.016543	0.581262	0.10765	0.300344	0.28668359	7.062505
1668	494811.06	3858851.99	0.60434	0.16135	0.31688	0.31416	1.27694	0.75046	0.16222	0.16135	6.20107688	0.072614868	8.039E-06	0.016274	0.588861	0.103822	0.280074	0.26734712	6.995385
1669	494861.06	3858851.99	0.59926	0.15096	0.31304	0.3118	1.29311	0.49099	0.15176	0.15096	6.14895147	0.067938893	7.941E-06	0.016152	0.596318	0.067926	0.262015	0.25013152	6.909178
1670	494911.06	3858851.99	0.59313	0.14012	0.30759	0.30753	1.30809	0.57533	0.14085	0.14012	6.08605211	0.063060398	7.803E-06	0.01593	0.603226	0.079594	0.243179	0.2321703	6.85888
1671	494961.06	3858851.99	0.5874	0.13005	0.3028	0.30429	1.3223	0.45847	0.1323	0.13005	6.02725711	0.058528438	7.681E-06	0.015763	0.609779	0.063427	0.228417	0.21548492	6.787694
1672	495011.06	3858851.99	0.58225	0.1209	0.2988	0.30226	1.33593	0.45811	0.13208	0.1209	5.97441344	0.054410521	7.58E-06	0.015657	0.616065	0.063377	0.228037	0.20032393	6.751644
1673	495061.06	3858851.99	0.57653	0.11192	0.29414	0.29939	1.34863	0.46566	0.13147	0.11192	5.91572104	0.050369111	7.462E-06	0.015509	0.621921	0.064422	0.226984	0.18544462	6.709489
1674	495111.06	3858851.99	0.56794	0.11114	0.28657	0.29222	1.35976	0.48347	0.12907	0.11114	5.82757985	0.050018075	7.27E-06	0.015137	0.627054	0.066886	0.222841	0.18415221	6.625371
1675	495161.06	3858851.99	0.56227	0.11201	0.28223	0.28995	1.3707	0.50167	0.1286	0.11201	5.7694005	0.050409615	7.16E-06	0.01502	0.632099	0.069404	0.222029	0.18559374	6.572775
1676	495211.06	3858851.99	0.56012	0.11309	0.28135	0.29328	1.38159	0.52198	0.13036	0.11309	5.74733955	0.050895664	7.137E-06	0.015192	0.637121	0.072213	0.225068	0.18738324	6.560453
1677	495261.06	3858851.99	0.5569	0.11367	0.27932	0.29499	1.39133	0.54465	0.13143	0.11367	5.71429943	0.05115669	7.086E-06	0.015281	0.641612	0.07535	0.226915	0.18834426	6.536277
1678	495311.06	3858851.99	0.55432	0.11439	0.27784	0.29781	1.40031	0.56919	0.13294	0.11439	5.68782629	0.051480723	7.048E-06	0.015427	0.645753	0.078745	0.229522	0.18953726	6.519224
1679	495361.06	3858851.99	0.55126	0.11503	0.27582	0.29988	1.40831	0.59688	0.13412	0.11503	5.65642791	0.051768753	6.997E-06	0.015534	0.649443	0.082575	0.23156	0.1905977	6.496718
1680	495411.06	3858851.99	0.5482	0.11558	0.27373	0.30196	1.41539	0.62755	0.13526	0.11558	5.62502953	0.052016278	6.944E-06	0.015642	0.652708	0.086818	0.233528	0.19150902	6.47424
1681	495461.06	3858851.99	0.54528	0.11607	0.27176	0.30432	1.4216	0.66054	0.13648	0.11607	5.59506768	0.0522368	6.894E-06	0.015764	0.655571	0.091382	0.235634	0.19232092	6.453343
1682	495511.06	3858851.99	0.54252	0.11649	0.26816	0.30513	1.42717	0.69244	0.13737	0.11649	5.56674758	0.052425819	6.803E-06	0.015806	0.65814	0.095796	0.237171	0.19301683	6.433076
1683	495561.06	3858851.99	0.53659	0.11698	0.26518	0.30381	1.43084	0.75258	0.13669	0.11698	5.5059004	0.052646342	6.727E-06	0.015738	0.659832	0.104116	0.235997	0.19382873	6.380407
1684	495611.06	3858851.99	0.532	0.11699	0.2618	0.303	1.43403	0.80992	0.13648	0.11699	5.45880283	0.052650842	6.641E-06	0.015696	0.661303	0.112048	0.235634	0.1938453	6.342297
1685	495661.06	3858851.99	0.52913	0.11738	0.25982	0.30502	1.43676	0.91007	0.13741	0.11738	5.42935403	0.05282636	6.591E-06	0.0158	0.662562	0.125904	0.23724	0.19449151	6.329202
1686	494311.06	3858901.99	0.6562	0.27567	0.34728	0.33898	1.01725	0.50761	0.27761	0.27567	6.73320755	0.124064088	8.81E-06	0.01756	0.469105	0.070225	0.479296	0.45676839	7.436699
1687	494361.06	3858901.99	0.65694	0.27081	0.35986	0.35055	1.15139	0.49568	0.27271	0.27081	6.74080062	0.121876866	9.129E-06	0.018159	0.530964	0.068575	0.470837	0.44871566	7.502505
1688	494411.06	3858901.99	0.65387	0.26363	0.36281	0.35279	1.16105	0.48363	0.26546	0.26363	6.70929964	0.118645538	9.204E-06	0.018275	0.535419	0.066908	0.458319	0.43681884	7.470056
1689	494461.06	3858901.99	0.65024	0.2569	0.38271	0.35531	1.21823	0.47219	0.25865	0.2569	6.67205254	0.115616731	9.709E-06	0.018406	0.561787	0.065325	0.446562	0.42566764	7.454091
1690	494511.06	3858901.99	0.6467	0.24852	0.38363	0.35623	1.20248	0.4576	0.25019	0.24852	6.63572893	0.111845348	9.732E-06	0.018453	0.554524	0.063307	0.431956	0.41178249	7.404041
1691	494561.06	3858901.99	0.6417	0.2391	0.38021	0.35291	1.13325	0.44735	0.24067	0.2391	6.58442439	0.107605918	9.645E-06	0.018281	0.522599	0.061889	0.415519	0.39617413	7.314154
1692	494611.06	3858901.99	0.63522	0.2283	0.37281	0.34553	1.09096	0.4478	0.22976	0.2283	6.51793371	0.102745425	9.457E-06	0.017899	0.503097	0.061951	0.396683	0.37827919	7.222039
1693	494661.06	3858901.99	0.63018	0.21796	0.36919	0.34248	1.11241	0.46161	0.21934	0.21796	6.46621874	0.098091953	9.366E-06	0.017741	0.512988	0.063861	0.378693	0.36114644	7.176457
1694	494711.06	3858901.99	0.6237	0.20633	0.36222	0.33594	1.13265	0.48595	0.2076	0.20633	6.39972805	0.092857921	9.189E-06	0.017402	0.522322	0.067229	0.358424	0.34187623	7.116095
1695	494761.06	3858901.99	0.61634	0.19382	0.35383	0.3279	1.15215	0.84551	0.19498	0.19382	6.32420778	0.08722785	8.976E-06	0.016986	0.531314	0.116972	0.336635	0.32114793	7.092204
1696	494811.06	3858901.99	0.61075	0.18259	0.34904	0.32414	1.17169	1.06776	0.18366	0.18259	6.2668493	0.082173837	8.854E-06	0.016791	0.540325	0.147719	0.317091	0.3025405	7.068418
1697	494861.06	3858901.99	0.60584	0.17196	0.34532	0.3217	1.19079	0.61917	0.17296	0.17196	6.21646825	0.077389852	8.76E-06	0.016665	0.549133	0.085659	0.298617	0.28492724	6.959014
1698	494911.06	3858901.99	0.59832	0.15944	0.33709	0.3138	1.20836	0.63592	0.16035	0.15944	6.13930622	0.07175528	8.551E-06	0.016255	0.557236	0.087976	0.276846	0.26418236	6.885201
1699	494961.06	3858901.99	0.59299	0.14896	0.33251	0.31081	1.226	0.54852	0.1498	0.14896	6.08461558	0.067038802	8.435E-06	0.0161	0.56537	0.075885	0.258631	0.24681764	6.820832
1700	495011.06	3858901.99	0.58769	0.13887	0.32793	0.30811	1.24286	0.55563	0.13966	0.13887	6.03023277	0.062497841	8.319E-06	0.015961	0.573145	0.076869	0.241124	0.23009913	6.769739
1701	495061.06	3858901.99	0.58106	0.12831	0.32159	0.30317	1.25864	0.48895	0.13191	0.12831	5.96220296	0.057745359	8.158E-06	0.015705	0.580422	0.067644	0.227744	0.21260185	6.698869
1702	495111.06	3858901.99	0.5724	0.11707	0.31317	0.29518	1.27322	0.50492	0.12934	0.11707	5.8733435	0.052686846	7.944E-06	0.015291	0.587146	0.069853	0.223307	0.19397785	6.627657
1703	495161.06	3858901.99	0.56812	0.10992	0.30999	0.29483	1.28811	0.52453	0.12969	0.10992	5.82942681	0.049469019	7.864E-06	0.015273	0.594012	0.072566	0.223911	0.18213074	6.602535
1704	495211.06	3858901.99	0.56688	0.11093	0.31005	0.29953	1.30291	0.54861	0.13203	0.11093	5.81670329	0.049923565	7.865E-06	0.015516	0.600837	0.075898	0.227951	0.18380425	6.603033
1705	495261.06	3858901.99	0.56402	0.11185	0.30818	0.3017	1.31658	0.57377	0.13336	0.11185	5.78735709	0.050337607	7.818E-06	0.015628	0.607141	0.079378	0.230247	0.18532863	6.584769
1706	495311.06	3858901.99	0.56063	0.11293	0.30561	0.3031	1.32924	0.60097	0.13435	0.11293	5.75257261	0.050823657	7.753E-06	0.015701	0.61298	0.083141	0.231957	0.18711813	6.560064

1707	495361.06	3858901.99	0.55742	0.11348	0.30313	0.30483	1.34112	0.63219	0.13546	0.11348	5.7196351	0.051071182	7.69E-06	0.015791	0.618458	0.08746	0.233873	0.18802944	6.538267
1708	495411.06	3858901.99	0.55497	0.1142	0.30142	0.30801	1.35247	0.67434	0.13713	0.1142	5.69449588	0.051395215	7.646E-06	0.015955	0.623692	0.093292	0.236756	0.18922244	6.526372
1709	495461.06	3858901.99	0.55125	0.11482	0.29822	0.30895	1.3625	0.73823	0.13786	0.11482	5.6563253	0.051674243	7.565E-06	0.016004	0.628317	0.102131	0.238017	0.19024974	6.502226
1710	495511.06	3858901.99	0.54682	0.11536	0.29425	0.30861	1.37149	0.76731	0.13807	0.11536	5.61086948	0.051917268	7.464E-06	0.015986	0.632463	0.106154	0.238379	0.19114449	6.464632
1711	495561.06	3858901.99	0.54278	0.11605	0.29069	0.30895	1.37979	0.80599	0.1385	0.11605	5.56941541	0.052227799	7.374E-06	0.016004	0.636291	0.111505	0.239122	0.19228778	6.432284
1712	495611.06	3858901.99	0.53814	0.11618	0.28656	0.30819	1.38716	0.92356	0.13847	0.11618	5.5218048	0.052286305	7.269E-06	0.015965	0.639689	0.12777	0.23907	0.19250318	6.404089
1713	495661.06	3858901.99	0.53539	0.11673	0.28427	0.31075	1.39396	1.05467	0.13973	0.11673	5.49358731	0.05253383	7.211E-06	0.016097	0.642825	0.145908	0.241245	0.1934145	6.39879
1714	494311.06	3858951.99	0.66616	0.28806	0.39236	0.36226	1.35686	0.6699	0.2903	0.28806	6.83540619	0.129640153	9.953E-06	0.018766	0.625716	0.092677	0.501206	0.47729786	7.726124
1715	494361.06	3858951.99	0.6639	0.28242	0.39859	0.36757	1.42568	0.64619	0.2846	0.28242	6.81221654	0.127101896	1.011E-05	0.019041	0.657453	0.089397	0.491365	0.46795273	7.728631
1716	494411.06	3858951.99	0.65933	0.27639	0.39693	0.36572	1.38586	0.63391	0.27843	0.27639	6.76532419	0.124388121	1.007E-05	0.018945	0.63909	0.087698	0.480712	0.45796138	7.658206
1717	494461.06	3858951.99	0.65566	0.27077	0.41643	0.36853	1.45355	0.61667	0.27276	0.27077	6.72766666	0.121858864	1.056E-05	0.01909	0.670305	0.085313	0.470923	0.44864939	7.646518
1718	494511.06	3858951.99	0.65142	0.26339	0.41532	0.36755	1.4206	0.60197	0.26531	0.26339	6.68416041	0.118537527	1.054E-05	0.01904	0.65511	0.08328	0.45806	0.43642118	7.581777
1719	494561.06	3858951.99	0.64648	0.25536	0.41174	0.36424	1.35399	0.59174	0.25718	0.25536	6.63347153	0.11492366	1.044E-05	0.018868	0.624393	0.081864	0.444024	0.42311596	7.494439
1720	494611.06	3858951.99	0.6407	0.24639	0.40548	0.35827	1.25324	0.58627	0.2481	0.24639	6.57416348	0.110886751	1.029E-05	0.018559	0.577932	0.081108	0.428347	0.40825321	7.382753
1721	494661.06	3858951.99	0.635	0.23666	0.39961	0.35295	1.16212	0.58011	0.23827	0.23666	6.51567631	0.106507806	1.014E-05	0.018283	0.535912	0.080255	0.411376	0.3921312	7.275889
1722	494711.06	3858951.99	0.62802	0.22555	0.3907	0.34449	1.03397	0.57806	0.22704	0.22555	6.44405518	0.101507799	9.911E-06	0.017845	0.476816	0.079972	0.391987	0.3737226	7.13847
1723	494761.06	3858951.99	0.62196	0.21448	0.38434	0.33887	1.03678	0.90724	0.21587	0.21448	6.38187408	0.096525794	9.75E-06	0.017554	0.478111	0.125512	0.372702	0.35538029	7.116909
1724	494811.06	3858951.99	0.61679	0.20379	0.37997	0.33562	1.05842	1.49775	0.20509	0.20379	6.32882518	0.091714805	9.639E-06	0.017386	0.488091	0.207206	0.35409	0.33766761	7.149655
1725	494861.06	3858951.99	0.6116	0.19298	0.37543	0.3324	1.07957	0.79114	0.19418	0.19298	6.27557107	0.086849812	9.524E-06	0.017219	0.497844	0.10945	0.335254	0.3197561	7.002441
1726	494911.06	3858951.99	0.60523	0.18126	0.36862	0.32678	1.09975	0.72132	0.18237	0.18126	6.21020909	0.081575277	9.351E-06	0.016928	0.50715	0.099791	0.314864	0.30033677	6.930189
1727	494961.06	3858951.99	0.60059	0.17095	0.36493	0.3249	1.12	0.7283	0.17198	0.17095	6.16259848	0.076935306	9.257E-06	0.01683	0.516488	0.100757	0.296925	0.28325373	6.88729
1728	495011.06	3858951.99	0.59209	0.15777	0.35455	0.31478	1.13842	0.66714	0.1587	0.15777	6.07538077	0.071003704	8.994E-06	0.016306	0.524983	0.092296	0.273997	0.26141527	6.79256
1729	495061.06	3858951.99	0.58362	0.14506	0.34503	0.30581	1.1563	0.55471	0.14591	0.14506	5.98847088	0.065283624	8.753E-06	0.015841	0.533228	0.076741	0.251915	0.24035558	6.691134
1730	495111.06	3858951.99	0.57632	0.13381	0.33776	0.29968	1.17401	0.5341	0.13459	0.13381	5.91356625	0.06022061	8.568E-06	0.015524	0.541395	0.07389	0.232371	0.22171501	6.615261
1731	495161.06	3858951.99	0.57591	0.12771	0.33928	0.30578	1.19298	0.57821	0.1329	0.12771	5.90935928	0.057475332	8.607E-06	0.01584	0.550143	0.079993	0.229453	0.21160769	6.630664
1732	495211.06	3858951.99	0.57309	0.12031	0.33755	0.3078	1.21051	0.61938	0.13416	0.12031	5.88042352	0.054144994	8.563E-06	0.015944	0.558227	0.085688	0.231629	0.19934634	6.626719
1733	495261.06	3858951.99	0.57019	0.11322	0.33556	0.30979	1.22736	0.63084	0.13542	0.11322	5.85066689	0.05095417	8.512E-06	0.016048	0.565998	0.087274	0.233804	0.18759864	6.617154
1734	495311.06	3858951.99	0.56542	0.11071	0.33095	0.30838	1.24305	0.7286	0.1354	0.11071	5.80172236	0.049824555	8.395E-06	0.015975	0.573233	0.100798	0.233769	0.18343972	6.591891
1735	495361.06	3858951.99	0.56276	0.11163	0.32899	0.31098	1.25844	0.83101	0.13686	0.11163	5.77442835	0.050238597	8.346E-06	0.016109	0.58033	0.114966	0.23629	0.18496411	6.587407
1736	495411.06	3858951.99	0.56041	0.11248	0.32733	0.31431	1.27316	0.90788	0.13859	0.11248	5.75031521	0.050621136	8.304E-06	0.016282	0.587118	0.125601	0.239277	0.1863725	6.58285
1737	495461.06	3858951.99	0.5569	0.11325	0.32402	0.31547	1.28691	0.93726	0.13949	0.11325	5.71429943	0.050967671	8.22E-06	0.016342	0.593459	0.129665	0.240831	0.18764835	6.557924
1738	495511.06	3858951.99	0.55404	0.11419	0.32147	0.31798	1.30007	0.97211	0.14087	0.11419	5.68495323	0.051390714	8.155E-06	0.016472	0.599528	0.134487	0.243213	0.18920587	6.540846
1739	495561.06	3858951.99	0.54841	0.11479	0.31534	0.3149	1.31147	0.94471	0.14019	0.11479	5.62718432	0.051660742	7.999E-06	0.016312	0.604785	0.130696	0.242039	0.19020003	6.482486
1740	495611.06	3858951.99	0.54402	0.11532	0.31083	0.31438	1.32257	1.06695	0.14039	0.11532	5.58213894	0.051899266	7.885E-06	0.016285	0.609904	0.147607	0.242385	0.19107821	6.459149
1741	495661.06	3858951.99	0.54129	0.11558	0.30821	0.31709	1.3334	1.22306	0.14179	0.11558	5.55412666	0.052016278	7.819E-06	0.016426	0.614898	0.169204	0.244802	0.19150902	6.459972
1742	494311.06	3859001.99	0.67285	0.29252	0.43212	0.38023	1.6158	0.91559	0.29503	0.29252	6.90405166	0.131647357	1.096E-05	0.019696	0.745127	0.126667	0.509372	0.48468781	7.951885
1743	494361.06	3859001.99	0.66902	0.28843	0.43295	0.38125	1.63038	0.90917	0.29086	0.28843	6.86475239	0.12980667	1.098E-05	0.019749	0.75185	0.125779	0.502173	0.47791093	7.916211
1744	494411.06	3859001.99	0.66458	0.28506	0.44932	0.38195	1.67786	0.90477	0.28741	0.28506	6.81919396	0.128290016	1.14E-05	0.019786	0.773746	0.125171	0.496216	0.47232705	7.890086
1745	494461.06	3859001.99	0.66032	0.27983	0.44803	0.38131	1.66078	0.89243	0.28204	0.27983	6.77548249	0.125936278	1.137E-05	0.019752	0.765869	0.123463	0.486945	0.46366125	7.833799
1746	494511.06	3859001.99	0.65604	0.27403	0.44653	0.38051	1.63862	0.87599	0.27618	0.27403	6.73156581	0.123326013	1.133E-05	0.019711	0.75565	0.121189	0.476828	0.45405101	7.77423
1747	494561.06	3859001.99	0.65031	0.26815	0.43995	0.37489	1.5445	0.8717	0.27024	0.26815	6.67277081	0.120679744	1.116E-05	0.01942	0.712247	0.120595	0.466572	0.44430821	7.667988
1748	494611.06	3859001.99	0.64479	0.26107	0.43396	0.36982	1.45763	0.86333	0.26298	0.26107	6.6161306	0.117493421	1.101E-05	0.019157	0.672187	0.119437	0.454038	0.43257708	7.565877
1749	494661.06	3859001.99	0.63873	0.25284	0.42632	0.36309	1.34838	0.85992	0.25468	0.25284	6.5539495	0.113789545	1.081E-05	0.018809	0.621806	0.118966	0.439708	0.41894047	7.448097
1750	494711.06	3859001.99	0.63201	0.2433	0.41709	0.35478	1.22144	0.86013	0.24501	0.2433	6.4849962	0.10949611	1.058E-05	0.018378	0.563267	0.118995	0.423012	0.40313327	7.315022
1751	494761.06	3859001.99	0.62664	0.23354	0.41172	0.35046	1.14625	0.9417	0.23514	0.23354	6.42989512	0.105103664	1.044E-05	0.018154	0.528594	0.13028	0.405972	0.38696155	7.231047
1752	494811.06	3859001.99	0.62216	0.22388	0.40857	0.3486	1.10145	2.03849	0.22539	0.22388	6.38392626	0.100756223	1.036E-05	0.018058	0.507934	0.282015	0.389138	0.37095551	7.310883
1753	494861.06	3859001.99	0.61648	0.21318	0.4024	0.34374	1.01987	1.03327	0.21459	0.21318	6.3256443	0.095940734	1.021E-05	0.017806	0.470313	0.142948	0.370492	0.35322627	7.069928
1754	494911.06	3859001.99	0.61055	0.20203	0.39572	0.3385	0.98523	0.85176	0.20333	0.20203	6.26479712	0.090922725	1.004E-05	0.017535	0.454339	0.117837	0.351051	0.3347514	6.961741
1755	494961.06	3859001.99	0.60444	0.19061	0.38886	0.33313	1.00652	0.83606	0.19181	0.19061	6.20210297	0.085783204	9.865E-06	0.017257	0.464157	0.115665	0.331162	0.31582915	6.900307
1756	495011.06	3859001.99	0.59223	0.1744	0.37173	0.31523	1.02552	0.72032	0.17547	0.1744	6.07681729	0.078487963	9.43E-06	0.016329	0.472919	0.099653	0.302951	0.28897017	6.758196
1757	495061.06	3859001.99	0.58765	0.16419	0.3679	0.31339	1.04663	0.77545	0.16518	0.16419	6.02982234	0.073892997	9.333E-06	0.016234	0.482654	0.10728	0.285185	0.27205282	6.723024
1758	495111.06	3859001.99	0.58073	0.15247	0.36052	0.3074	1.06643	0.73613	0.15337	0.15247	5.95881686	0.068618462	9.146E-06	0.015924	0.491785	0.10184	0.264795	0.2526335	6.649154
1759	495161.06	3859001.99	0.5814	0.1467	0.36422	0.31569	1.08795	0.92059	0.14757	0.1467	5.96569166	0.066021699	9.239E-06	0.016353	0.501709	0.127359	0.254781	0.24307296	6.688852
1760	495211.06	3859001.99	0.57789	0.13808	0.36148	0.31614	1.10779	0.91321	0.13889	0.13808	5.92967588	0.062142305	9.17E-06	0.016376	0.510858	0.126338	0.239795	0.22879014	6.656405
1761	495261.06	3859001.99	0.57515	0.13035	0.35978	0.31832	1.12719	1.00098	0.13754	0.13035	5.90156099	0.058663452	9.127E-06	0.016489	0.519804	0.138481	0.237464	0.21598201	6.65649
1762	495311.06	3859001.99	0.57143	0.12227	0.35636	0.31852	1.14563	1.05728	0.13814	0.12227	5.86339042	0.055027083	9.04E-06	0.0165	0.528308	0.14627	0.2385	0.20259394	6.64541
1763	495361.06	3859001.99	0.56858	0.11519	0.35415	0.32068	1.16392	1.10412	0.13941	0.11519	5.83414683	0.05184076	8.984E-06	0.016612	0.536742	0.15275	0.240693	0.19086281	6.64193

1764	495411.06	3859001.99	0.56528	0.11055	0.3511	0.32198	1.18137	1.12668	0.14039	0.11055	5.80028583	0.049752548	8.907E-06	0.016679	0.544789	0.155871	0.242385	0.18317461	6.626596
1765	495461.06	3859001.99	0.56217	0.11146	0.34821	0.32379	1.19809	1.1518	0.14153	0.11146	5.76837441	0.050162089	8.833E-06	0.016773	0.5525	0.159346	0.244353	0.18468243	6.606834
1766	495511.06	3859001.99	0.55729	0.11226	0.34241	0.32175	1.2137	1.12866	0.14132	0.11226	5.71830118	0.050522126	8.686E-06	0.016667	0.559698	0.156145	0.24399	0.18600798	6.559324
1767	495561.06	3859001.99	0.55335	0.11302	0.33803	0.32185	1.22889	1.1976	0.14184	0.11302	5.67787321	0.050864161	8.575E-06	0.016672	0.566703	0.165682	0.244888	0.18726725	6.535424
1768	495611.06	3859001.99	0.54926	0.1137	0.33337	0.32165	1.24322	1.31883	0.14224	0.1137	5.63590609	0.051170192	8.457E-06	0.016662	0.573311	0.182454	0.245579	0.18839397	6.516697
1769	495661.06	3859001.99	0.54743	0.11434	0.33189	0.32638	1.25757	1.46644	0.14439	0.11434	5.61712863	0.051458221	8.419E-06	0.016907	0.579929	0.202875	0.249291	0.18945441	6.528142
1770	494311.06	3859051.99	0.67795	0.29215	0.46731	0.39469	1.78844	1.19327	0.29483	0.29215	6.95638229	0.13148084	1.185E-05	0.020445	0.82474	0.165083	0.509027	0.48407474	8.123096
1771	494361.06	3859051.99	0.6737	0.29062	0.4837	0.3965	1.86276	1.23046	0.29327	0.29062	6.91277343	0.13079227	1.227E-05	0.020539	0.859012	0.170228	0.506334	0.48153963	8.118152
1772	494411.06	3859051.99	0.66896	0.28802	0.48014	0.39478	1.84369	1.27085	0.29053	0.28802	6.86413673	0.129622152	1.218E-05	0.02045	0.850218	0.175816	0.501603	0.47723159	8.064627
1773	494461.06	3859051.99	0.66402	0.2851	0.47569	0.39222	1.80816	1.30931	0.28753	0.2851	6.81344785	0.128308018	1.207E-05	0.020318	0.833834	0.181137	0.496423	0.47239332	8.001086
1774	494511.06	3859051.99	0.65865	0.28163	0.4697	0.38826	1.74713	1.34666	0.28397	0.28163	6.75834677	0.12674636	1.192E-05	0.020112	0.80569	0.186304	0.490277	0.46664374	7.920844
1775	494561.06	3859051.99	0.65361	0.27704	0.4648	0.38512	1.69704	1.36794	0.27929	0.27704	6.7066318	0.12468065	1.179E-05	0.01995	0.782591	0.189248	0.482197	0.45903839	7.846271
1776	494611.06	3859051.99	0.64798	0.27204	0.4578	0.37993	1.61471	1.38781	0.2741	0.27204	6.64886289	0.122430422	1.161E-05	0.019681	0.744624	0.191997	0.473236	0.4507537	7.750089
1777	494661.06	3859051.99	0.64213	0.26594	0.45017	0.37405	1.52137	1.39983	0.26795	0.26594	6.58883658	0.119685143	1.142E-05	0.019376	0.70158	0.19366	0.462618	0.44064637	7.645121
1778	494711.06	3859051.99	0.63647	0.25859	0.44316	0.36867	1.43467	1.4026	0.26051	0.25859	6.53075984	0.116377308	1.124E-05	0.019098	0.661599	0.194043	0.449773	0.42846787	7.543193
1779	494761.06	3859051.99	0.63072	0.25021	0.43588	0.36295	1.34353	1.40864	0.25202	0.25021	6.47175963	0.112605925	1.106E-05	0.018801	0.619569	0.194878	0.435115	0.41458272	7.438158
1780	494811.06	3859051.99	0.62568	0.24124	0.43072	0.35933	1.28161	2.44236	0.24295	0.24124	6.42004465	0.108569016	1.093E-05	0.018614	0.591015	0.337889	0.419456	0.39971998	7.495878
1781	494861.06	3859051.99	0.62056	0.23172	0.42532	0.3556	1.21649	1.41986	0.23332	0.23172	6.36750881	0.104284581	1.079E-05	0.018421	0.560985	0.196431	0.402829	0.38394592	7.266524
1782	494911.06	3859051.99	0.61422	0.22101	0.41683	0.34874	1.1107	1.39508	0.22249	0.22101	6.30245465	0.099464592	1.057E-05	0.018065	0.5122	0.193002	0.384131	0.3662001	7.143128
1783	494961.06	3859051.99	0.6058	0.20841	0.40445	0.33766	0.95859	1.3649	0.20976	0.20841	6.21605781	0.093794016	1.026E-05	0.017491	0.442054	0.188827	0.362153	0.34532267	6.975065
1784	495011.06	3859051.99	0.59848	0.19617	0.39532	0.32988	0.91137	1.30673	0.19741	0.19617	6.14094797	0.088285458	1.003E-05	0.017088	0.420279	0.18078	0.34083	0.32504173	6.863179
1785	495061.06	3859051.99	0.5926	0.18483	0.38903	0.32512	0.93308	1.19004	0.18597	0.18483	6.08061383	0.08318194	9.869E-06	0.016842	0.43029	0.164636	0.321079	0.30625204	6.790401
1786	495111.06	3859051.99	0.58823	0.17468	0.38522	0.32352	0.95507	1.23166	0.17574	0.17468	6.03577366	0.078613976	9.772E-06	0.016759	0.440431	0.170394	0.303417	0.28943411	6.755964
1787	495161.06	3859051.99	0.58696	0.16704	0.38661	0.32844	0.97758	1.36386	0.16805	0.16704	6.02274231	0.075175627	9.807E-06	0.017014	0.450811	0.188683	0.29014	0.2767751	6.767801
1788	495211.06	3859051.99	0.58228	0.15699	0.38183	0.32623	0.99854	1.28593	0.15792	0.15699	5.97472126	0.070652668	9.686E-06	0.016899	0.460477	0.177902	0.27265	0.26012286	6.71319
1789	495261.06	3859051.99	0.58013	0.14911	0.38135	0.32955	1.02008	1.36504	0.14998	0.14911	5.95266031	0.067106309	9.674E-06	0.017071	0.47041	0.188847	0.258942	0.24706618	6.70798
1790	495311.06	3859051.99	0.57615	0.14011	0.3774	0.32894	1.04045	1.35221	0.14093	0.14011	5.9118219	0.063055898	9.574E-06	0.01704	0.479804	0.187072	0.243317	0.23215373	6.669966
1791	495361.06	3859051.99	0.57292	0.13201	0.37461	0.33005	1.0605	1.40101	0.14171	0.13201	5.87867917	0.059410528	9.503E-06	0.017097	0.48905	0.193823	0.244664	0.21873252	6.664
1792	495411.06	3859051.99	0.57018	0.12462	0.37253	0.33235	1.08038	1.51016	0.14298	0.12462	5.85056428	0.05608469	9.45E-06	0.017216	0.498218	0.208923	0.246856	0.20648774	6.671384
1793	495461.06	3859051.99	0.56734	0.11753	0.37013	0.33459	1.09962	1.63163	0.14424	0.11753	5.8214233	0.052893867	9.389E-06	0.017332	0.50709	0.225728	0.249032	0.19474005	6.678769
1794	495511.06	3859051.99	0.5624	0.11036	0.36373	0.33189	1.11746	1.65272	0.14385	0.11036	5.77073442	0.049667039	9.227E-06	0.017192	0.515317	0.228646	0.248358	0.18285979	6.647065
1795	495561.06	3859051.99	0.55802	0.11124	0.35828	0.33053	1.13501	1.74339	0.1439	0.11124	5.72579165	0.050063079	9.089E-06	0.017122	0.52341	0.241189	0.248445	0.1843179	6.621712
1796	495611.06	3859051.99	0.55386	0.11206	0.35315	0.32975	1.15208	1.82422	0.14411	0.11206	5.68310627	0.050432117	8.959E-06	0.017082	0.531282	0.252372	0.248807	0.18567659	6.597414
1797	495661.06	3859051.99	0.55176	0.11283	0.35141	0.33398	1.16916	2.01249	0.14607	0.11283	5.66155836	0.050778652	8.915E-06	0.017301	0.539159	0.278418	0.252191	0.18695243	6.612462
1798	494311.06	3859101.99	0.68246	0.29102	0.51631	0.4088	1.98614	1.33	0.29397	0.29102	7.00265898	0.130972289	1.31E-05	0.021176	0.915909	0.183999	0.507542	0.4822024	8.280069
1799	494361.06	3859101.99	0.67767	0.29029	0.51211	0.40745	1.95935	1.4257	0.29309	0.29029	6.95350924	0.130643755	1.299E-05	0.021106	0.903555	0.197239	0.506023	0.48099284	8.231096
1800	494411.06	3859101.99	0.67318	0.28855	0.5089	0.40685	1.94835	1.52893	0.29127	0.28855	6.90743776	0.129860676	1.291E-05	0.021075	0.898482	0.21152	0.502881	0.47810976	8.19316
1801	494461.06	3859101.99	0.66797	0.28662	0.50302	0.4042	1.92525	1.65536	0.2892	0.28662	6.85397843	0.128992088	1.276E-05	0.020938	0.88783	0.229011	0.499307	0.47491187	8.145157
1802	494511.06	3859101.99	0.6621	0.28465	0.4936	0.39925	1.86293	1.8108	0.28716	0.28465	6.79374691	0.128105498	1.252E-05	0.020682	0.859091	0.250515	0.495785	0.4716477	8.07629
1803	494561.06	3859101.99	0.65684	0.28176	0.48708	0.3957	1.81774	1.97205	0.28416	0.28176	6.73977453	0.126804866	1.236E-05	0.020498	0.838251	0.272823	0.490605	0.46685915	8.02191
1804	494611.06	3859101.99	0.65064	0.27936	0.47696	0.38896	1.71952	2.17476	0.28169	0.27936	6.6761569	0.125724756	1.21E-05	0.020149	0.792957	0.300867	0.486341	0.46288249	7.939325
1805	494661.06	3859101.99	0.64545	0.27469	0.47083	0.38537	1.66805	2.346	0.27692	0.27469	6.62290279	0.123623043	1.194E-05	0.019963	0.769222	0.324558	0.478105	0.45514459	7.883241
1806	494711.06	3859101.99	0.63876	0.27011	0.45973	0.37713	1.54562	2.55217	0.2722	0.27011	6.55425732	0.121561834	1.166E-05	0.019536	0.712763	0.35308	0.469956	0.44755581	7.78361
1807	494761.06	3859101.99	0.63464	0.26319	0.45698	0.37636	1.53187	2.57859	0.26521	0.26319	6.51198238	0.118447518	1.159E-05	0.019496	0.706422	0.356735	0.457888	0.43608979	7.734893
1808	494811.06	3859101.99	0.62918	0.25591	0.44984	0.37151	1.4566	2.66544	0.2578	0.25591	6.45595783	0.115171185	1.141E-05	0.019245	0.671712	0.368751	0.445094	0.42402727	7.651914
1809	494861.06	3859101.99	0.62399	0.24768	0.44355	0.36735	1.39031	2.64382	0.24945	0.24768	6.40270372	0.11146731	1.125E-05	0.019029	0.641142	0.36576	0.430678	0.41039066	7.5604
1810	494911.06	3859101.99	0.61774	0.23837	0.43427	0.36025	1.28389	2.73461	0.24002	0.23837	6.33857305	0.107277384	1.102E-05	0.018661	0.592066	0.37832	0.414397	0.39496456	7.454342
1811	494961.06	3859101.99	0.60939	0.22696	0.42042	0.34839	1.11582	2.93074	0.22848	0.22696	6.25289447	0.102142363	1.067E-05	0.018047	0.514561	0.405454	0.394473	0.37605889	7.311523
1812	495011.06	3859101.99	0.60007	0.21395	0.40641	0.33582	0.9497	2.87294	0.21533	0.21395	6.15726281	0.096287269	1.031E-05	0.017396	0.437954	0.397457	0.371769	0.35450211	7.123635
1813	495061.06	3859101.99	0.59737	0.20509	0.40587	0.33761	0.95768	2.83786	0.20639	0.20509	6.12955836	0.092299865	1.03E-05	0.017489	0.441634	0.392604	0.356334	0.33982163	7.090109
1814	495111.06	3859101.99	0.59276	0.19481	0.40147	0.33541	0.91707	2.7536	0.19601	0.19481	6.08225557	0.087673395	1.018E-05	0.017375	0.422907	0.380947	0.338413	0.3227883	7.006793
1815	495161.06	3859101.99	0.59129	0.18675	0.40298	0.33989	0.95012	2.706	0.18789	0.18675	6.06717204	0.084046027	1.022E-05	0.017607	0.438148	0.374362	0.324394	0.30943337	6.996306
1816	495211.06	3859101.99	0.5869	0.17669	0.39858	0.33812	0.90974	2.59681	0.17774	0.17669	6.02212666	0.079518568	1.011E-05	0.017515	0.419527	0.359256	0.30687	0.29276456	6.912059
1817	495261.06	3859101.99	0.58421	0.16796	0.39735	0.3401	0.90919	2.49416	0.16895	0.16796	5.99452481	0.075589669	1.008E-05	0.017618	0.419273	0.345055	0.291694	0.27829948	6.865465
1818	495311.06	3859101.99	0.58153	0.15906	0.39335	0.3405	0.93137	2.68113	0.15999	0.15906	5.96702558	0.071584263	9.978E-06	0.017638	0.429502	0.370921	0.276224	0.26355273	6.869353
1819	495361.06	3859101.99	0.57823	0.15071	0.39322	0.34303	0.95274	2.83989	0.15158	0.15071	5.93316459	0.067826382	9.975E-06	0.017769	0.439356	0.392885	0.261704	0.24971728	6.862999
1820	495411.06	3859101.99	0.57506	0.14234	0.39052	0.34417	0.97379	2.9708	0.14613	0.14234	5.90063751	0.0640595	9.907E-06	0.017828	0.449064	0.410996	0.252295	0.2358487	6.859041

1821	495461.06	3859101.99	0.57176	0.13381	0.38334	0.34364	0.99465	3.07368	0.14646	0.13381	5.86677652	0.06022061	9.725E-06	0.017801	0.458683	0.425229	0.252865	0.22171501	6.859869
1822	495511.06	3859101.99	0.56823	0.12587	0.37969	0.34401	1.01482	3.15408	0.14703	0.12587	5.83055551	0.056647247	9.632E-06	0.01782	0.467985	0.436352	0.253849	0.20855892	6.854659
1823	495561.06	3859101.99	0.56315	0.1175	0.37636	0.34216	1.03375	3.16144	0.14679	0.1175	5.7784301	0.052880365	9.547E-06	0.017724	0.476714	0.43737	0.253434	0.19469034	6.821872
1824	495611.06	3859101.99	0.5587	0.11115	0.37044	0.34047	1.05273	3.1781	0.14671	0.11115	5.73276906	0.050022575	9.397E-06	0.017637	0.485467	0.439675	0.253296	0.18416878	6.794707
1825	495661.06	3859101.99	0.55587	0.11158	0.36751	0.34263	1.07178	3.27908	0.14791	0.11158	5.70373069	0.050216095	9.323E-06	0.017749	0.494252	0.453645	0.255368	0.18488126	6.790088
1826	494311.06	3859151.99	0.68689	0.28508	0.54271	0.42096	2.07956	1.13024	0.28834	0.28508	7.0481148	0.128299017	1.377E-05	0.021806	0.95899	0.156363	0.497822	0.47236018	8.339049
1827	494361.06	3859151.99	0.68239	0.28504	0.53909	0.42054	2.08095	1.21619	0.28817	0.28504	7.00194072	0.128281016	1.368E-05	0.021785	0.959631	0.168254	0.497528	0.47229391	8.305139
1828	494411.06	3859151.99	0.67675	0.28639	0.53008	0.41666	2.043	1.32883	0.28895	0.28639	6.9440692	0.128888577	1.345E-05	0.021584	0.94213	0.183837	0.498875	0.47453077	8.244866
1829	494461.06	3859151.99	0.67113	0.28626	0.52194	0.413	1.99788	1.46379	0.28905	0.28626	6.8864029	0.128830071	1.324E-05	0.021394	0.921323	0.202508	0.499048	0.47431537	8.185204
1830	494511.06	3859151.99	0.66497	0.28641	0.51166	0.40759	1.92862	1.63711	0.28908	0.28641	6.82319571	0.128897578	1.298E-05	0.021114	0.889384	0.226486	0.4991	0.47456391	8.113626
1831	494561.06	3859151.99	0.65991	0.28426	0.50549	0.40518	1.88668	1.83323	0.28682	0.28426	6.77127552	0.12792998	1.282E-05	0.020989	0.870043	0.253618	0.495198	0.47100149	8.068065
1832	494611.06	3859151.99	0.65387	0.28238	0.49465	0.39969	1.80875	2.10796	0.28484	0.28238	6.70929964	0.127083894	1.255E-05	0.020704	0.834106	0.291626	0.491779	0.46788645	8.006725
1833	494661.06	3859151.99	0.64883	0.2792	0.48828	0.39677	1.77932	2.44116	0.28154	0.2792	6.65758466	0.125652749	1.239E-05	0.020553	0.820534	0.337723	0.486082	0.46261738	7.985524
1834	494711.06	3859151.99	0.64411	0.27525	0.48287	0.39453	1.7561	2.8847	0.2775	0.27525	6.60915318	0.123875068	1.225E-05	0.020437	0.809826	0.399084	0.479107	0.45607247	7.985422
1835	494761.06	3859151.99	0.63782	0.27178	0.47183	0.38747	1.65538	3.64572	0.27395	0.27178	6.54461207	0.12231341	1.197E-05	0.020071	0.763379	0.504368	0.472977	0.4503229	7.97741
1836	494811.06	3859151.99	0.63196	0.26686	0.46272	0.38164	1.57338	4.96338	0.26883	0.26686	6.48448315	0.120099185	1.174E-05	0.019769	0.725565	0.686659	0.464138	0.44217076	8.058555
1837	494861.06	3859151.99	0.62705	0.26027	0.45686	0.37855	1.52984	5.76726	0.26219	0.26027	6.4341021	0.117133384	1.159E-05	0.019609	0.705486	0.797872	0.452674	0.43125153	8.095637
1838	494911.06	3859151.99	0.62059	0.25288	0.44592	0.37068	1.41536	5.81492	0.25468	0.25288	6.36781663	0.113807547	1.131E-05	0.019202	0.652694	0.804466	0.439708	0.41900675	7.978698
1839	494961.06	3859151.99	0.61334	0.24298	0.43017	0.3593	1.23472	5.70184	0.24465	0.24298	6.29342505	0.109352095	1.091E-05	0.018612	0.569392	0.788822	0.422391	0.40260305	7.799401
1840	495011.06	3859151.99	0.60444	0.23242	0.41828	0.34823	1.10302	5.77845	0.23396	0.23242	6.20210297	0.104599613	1.061E-05	0.018039	0.508658	0.79942	0.403934	0.38510577	7.651659
1841	495061.06	3859151.99	0.60109	0.22353	0.41653	0.34874	1.10349	5.63632	0.22498	0.22353	6.16772893	0.100598707	1.057E-05	0.018065	0.508875	0.779757	0.38843	0.37037559	7.59309
1842	495111.06	3859151.99	0.59726	0.21411	0.41352	0.34809	1.08636	5.5158	0.21547	0.21411	6.12842966	0.096359277	1.049E-05	0.018032	0.500975	0.763084	0.372011	0.35476722	7.524134
1843	495161.06	3859151.99	0.59555	0.20589	0.41521	0.35239	1.12983	5.0886	0.20717	0.20589	6.11088351	0.092659901	1.053E-05	0.018254	0.521022	0.703983	0.357681	0.34114718	7.463347
1844	495211.06	3859151.99	0.59193	0.19642	0.41237	0.35223	1.1132	4.77729	0.19762	0.19642	6.07373902	0.088397969	1.046E-05	0.018246	0.513353	0.660915	0.341193	0.32545597	7.370398
1845	495261.06	3859151.99	0.58839	0.18698	0.40953	0.35222	1.09614	4.48062	0.1881	0.18698	6.03741541	0.084149538	1.039E-05	0.018245	0.505485	0.619872	0.324757	0.30981446	7.28012
1846	495311.06	3859151.99	0.58508	0.17777	0.40709	0.35281	1.08391	4.53043	0.17882	0.17777	6.0034518	0.080004617	1.033E-05	0.018276	0.499845	0.626763	0.308735	0.29455406	7.242532
1847	495361.06	3859151.99	0.58165	0.16858	0.40411	0.35303	1.06468	4.6483	0.16956	0.16858	5.96825689	0.075868698	1.025E-05	0.018287	0.490978	0.64307	0.292747	0.27932679	7.209891
1848	495411.06	3859151.99	0.5796	0.16059	0.40439	0.35695	1.08694	4.33913	0.16151	0.16059	5.94722203	0.072272833	1.026E-05	0.018491	0.501243	0.600297	0.278849	0.26608784	7.152297
1849	495461.06	3859151.99	0.57625	0.15189	0.40127	0.35751	1.06585	4.34264	0.15275	0.15189	5.91284799	0.068357436	1.018E-05	0.01852	0.491517	0.600783	0.263724	0.25167247	7.104087
1850	495511.06	3859151.99	0.57169	0.14254	0.39495	0.35487	1.00541	4.48817	0.14971	0.14254	5.86605825	0.064149509	1.002E-05	0.018383	0.463645	0.620916	0.258476	0.23618009	7.055458
1851	495561.06	3859151.99	0.56765	0.13388	0.38981	0.35363	0.96069	4.64079	0.14973	0.13388	5.82460419	0.060252113	9.889E-06	0.018319	0.443023	0.642031	0.25851	0.221831	7.024917
1852	495611.06	3859151.99	0.56382	0.1257	0.38499	0.35299	0.94859	4.95659	0.14994	0.1257	5.78530491	0.05657074	9.766E-06	0.018285	0.437443	0.68572	0.258873	0.20827724	7.033929
1853	495661.06	3859151.99	0.56016	0.11801	0.38043	0.35285	0.96878	5.47455	0.15034	0.11801	5.74774999	0.053109889	9.651E-06	0.018278	0.446753	0.757377	0.259564	0.19553538	7.087306
1854	494311.06	3859201.99	0.69175	0.27566	0.79842	0.51593	2.09863	0.76307	0.28084	0.27566	7.09798282	0.124059587	2.025E-05	0.026726	0.967784	0.105567	0.484873	0.45675182	8.350261
1855	494361.06	3859201.99	0.68664	0.27927	0.79037	0.50589	2.10386	0.83715	0.28082	0.27927	7.04554958	0.125684252	2.005E-05	0.026206	0.970196	0.115816	0.484839	0.46273337	8.305576
1856	494411.06	3859201.99	0.68099	0.28302	0.54811	0.48782	2.09224	0.9237	0.28234	0.28302	6.98757545	0.127371923	1.39E-05	0.02527	0.964837	0.127789	0.487463	0.46894689	8.251374
1857	494461.06	3859201.99	0.67461	0.28237	0.53737	0.42373	2.05401	1.02589	0.28535	0.28237	6.92211086	0.127079394	1.363E-05	0.02195	0.947207	0.141927	0.49266	0.46786988	8.185078
1858	494511.06	3859201.99	0.6693	0.28286	0.5299	0.41985	2.03158	1.159	0.28576	0.28286	6.86762544	0.127299916	1.344E-05	0.021749	0.936864	0.160342	0.493368	0.46868178	8.138579
1859	494561.06	3859201.99	0.66296	0.284	0.5174	0.41373	1.9718	1.32658	0.28674	0.284	6.80257129	0.127812968	1.313E-05	0.021432	0.909296	0.183526	0.49506	0.47057069	8.06914
1860	494611.06	3859201.99	0.65729	0.28361	0.50832	0.40955	1.92328	1.54185	0.28618	0.28361	6.74439194	0.12763745	1.289E-05	0.021215	0.886921	0.213307	0.494093	0.46992448	8.017654
1861	494661.06	3859201.99	0.65212	0.28155	0.50108	0.40666	1.883	1.99993	0.28403	0.28155	6.69134305	0.126710356	1.271E-05	0.021066	0.868346	0.276681	0.490381	0.46651119	8.008028
1862	494711.06	3859201.99	0.64699	0.27876	0.49395	0.40374	1.83772	2.51025	0.28112	0.27876	6.63870459	0.125454729	1.253E-05	0.020914	0.847465	0.347281	0.485357	0.46188833	8.0033
1863	494761.06	3859201.99	0.64085	0.27655	0.48189	0.39751	1.75105	2.88297	0.27881	0.27655	6.57570262	0.124460128	1.222E-05	0.020592	0.807497	0.398845	0.481368	0.45822649	7.95025
1864	494811.06	3859201.99	0.63526	0.27341	0.47268	0.39258	1.67525	3.18065	0.27561	0.27341	6.51834415	0.123046984	1.199E-05	0.020336	0.772542	0.440027	0.475843	0.45302371	7.897129
1865	494861.06	3859201.99	0.62971	0.2684	0.4614	0.38618	1.5771	2.88253	0.27044	0.2684	6.46139611	0.120792256	1.17E-05	0.020005	0.72728	0.398784	0.466917	0.44472244	7.750464
1866	494911.06	3859201.99	0.62239	0.26439	0.44951	0.37771	1.46637	2.3932	0.26631	0.26439	6.38628627	0.118987573	1.14E-05	0.019566	0.676217	0.331088	0.459787	0.43807812	7.553865
1867	494961.06	3859201.99	0.61526	0.25717	0.43646	0.36835	1.33877	2.49396	0.25899	0.25717	6.31312599	0.115738243	1.107E-05	0.019081	0.617374	0.345027	0.447149	0.42611502	7.431392
1868	495011.06	3859201.99	0.60633	0.24728	0.41952	0.35496	1.15955	2.76749	0.24895	0.24728	6.22149609	0.111287291	1.064E-05	0.018387	0.534727	0.382869	0.429815	0.40972789	7.288864
1869	495061.06	3859201.99	0.60558	0.24038	0.42486	0.36218	1.25938	2.64765	0.24198	0.24038	6.21380041	0.108181976	1.078E-05	0.018761	0.580764	0.366289	0.417781	0.39829501	7.307293
1870	495111.06	3859201.99	0.60258	0.232	0.42391	0.36364	1.27808	2.65724	0.23352	0.232	6.18301769	0.104410594	1.075E-05	0.018837	0.589387	0.367616	0.403175	0.38440986	7.282044
1871	495161.06	3859201.99	0.59927	0.22323	0.42207	0.36431	1.28335	2.66613	0.22466	0.22323	6.14905408	0.100463693	1.071E-05	0.018872	0.591817	0.368846	0.387878	0.3698785	7.247063
1872	495211.06	3859201.99	0.59516	0.21385	0.41784	0.36274	1.25584	2.73005	0.21519	0.21385	6.10688175	0.096242265	1.06E-05	0.01879	0.579131	0.377689	0.371528	0.35433642	7.195936
1873	495261.06	3859201.99	0.59227	0.20496	0.41683	0.36441	1.26894	2.71893	0.20622	0.20496	6.07722773	0.092241359	1.057E-05	0.018877	0.585172	0.376151	0.356041	0.33960623	7.166114
1874	495311.06	3859201.99	0.58896	0.1958	0.41453	0.36493	1.26399	2.75322	0.19698	0.1958	6.04326413	0.088118941	1.052E-05	0.018904	0.582889	0.380895	0.340088	0.32442867	7.129741
1875	495361.06	3859201.99	0.58586	0.18676	0.41264	0.366	1.26309	2.73532	0.18787	0.18676	6.01145531	0.084050528	1.047E-05	0.018959	0.582474	0.378418	0.324359	0.30944994	7.090278
1876	495411.06	3859201.99	0.58343	0.17822	0.4126	0.36907	1.28514	2.64018	0.17927	0.17822	5.98652131	0.080207138	1.047E-05	0.019118	0.592643	0.365256	0.309511	0.29529968	7.057968
1877	495461.06	3859201.99	0.57982	0.16908	0.40886	0.36866	1.25899	2.62013	0.17006	0.16908	5.94947943	0.076093721	1.037E-05	0.019097	0.580584	0.362482	0.29361	0.28015525	7.001202

1878	495511.06	3859201.99	0.57623	0.16011	0.40504	0.36834	1.23144	2.78819	0.16103	0.16011	5.91264277	0.072056811	1.027E-05	0.019081	0.567879	0.385732	0.27802	0.26529251	6.970129
1879	495561.06	3859201.99	0.57166	0.15062	0.39824	0.36515	1.16566	2.88542	0.1527	0.15062	5.86575042	0.067785878	1.01E-05	0.018915	0.537545	0.399184	0.263638	0.24956816	6.90326
1880	495611.06	3859201.99	0.56763	0.14173	0.39287	0.36355	1.11836	3.24295	0.15253	0.14173	5.82439897	0.063784972	9.966E-06	0.018832	0.515732	0.448646	0.263345	0.23483797	6.899911
1881	495661.06	3859201.99	0.56406	0.13347	0.38859	0.36327	1.08538	2.692	0.15278	0.13347	5.78776753	0.060067595	9.858E-06	0.018818	0.500523	0.372425	0.263776	0.22115166	6.782236
1882	494311.06	3859251.99	0.69808	0.26694	0.80698	0.60855	2.04919	0.90775	0.2718	0.26694	7.16293436	0.120135189	2.047E-05	0.031524	0.944985	0.125583	0.469265	0.44230331	8.412143
1883	494361.06	3859251.99	0.69173	0.26939	0.79617	0.59107	2.05845	1.03167	0.27373	0.26939	7.0977776	0.121237801	2.02E-05	0.030618	0.949255	0.142726	0.472598	0.44636281	8.36787
1884	494411.06	3859251.99	0.68477	0.27275	0.78259	0.53728	2.04662	1.21105	0.27661	0.27275	7.02636168	0.122749954	1.985E-05	0.027832	0.9438	0.167543	0.47757	0.45193013	8.313946
1885	494461.06	3859251.99	0.6789	0.27705	0.77243	0.50748	2.04757	1.41364	0.27839	0.27705	6.96613015	0.124685151	1.959E-05	0.026288	0.944238	0.19557	0.480643	0.45905496	8.278519
1886	494511.06	3859251.99	0.67207	0.27814	0.53423	0.45633	2.01532	1.63369	0.28128	0.27814	6.89604815	0.1251757	1.355E-05	0.023639	0.929366	0.226013	0.485633	0.46086103	8.225026
1887	494561.06	3859251.99	0.66657	0.28033	0.52585	0.42538	2.00079	1.84035	0.28358	0.28033	6.83961316	0.1261613	1.334E-05	0.022035	0.922665	0.254603	0.489604	0.46448972	8.190206
1888	494611.06	3859251.99	0.66058	0.2817	0.51443	0.41821	1.96494	2.00744	0.28443	0.2817	6.77815033	0.126777863	1.305E-05	0.021664	0.906133	0.27772	0.491071	0.46675973	8.134769
1889	494661.06	3859251.99	0.65579	0.28063	0.50835	0.41635	1.95417	2.10156	0.28329	0.28063	6.72900058	0.126296314	1.29E-05	0.021568	0.901166	0.290741	0.489103	0.46498681	8.0929
1890	494711.06	3859251.99	0.65058	0.27978	0.50048	0.41329	1.92449	2.1539	0.28226	0.27978	6.67554125	0.125913775	1.27E-05	0.021409	0.887479	0.297982	0.487325	0.46357841	8.032084
1891	494761.06	3859251.99	0.64312	0.27931	0.48162	0.40254	1.80269	2.5254	0.28168	0.27931	6.59899488	0.125702254	1.222E-05	0.020852	0.831311	0.349377	0.486323	0.46279965	7.949773
1892	494811.06	3859251.99	0.63869	0.2765	0.47814	0.40266	1.79881	2.75226	0.27878	0.2765	6.55353906	0.124437626	1.213E-05	0.020858	0.829522	0.380762	0.481316	0.45814365	7.932304
1893	494861.06	3859251.99	0.632	0.27439	0.46095	0.39318	1.67072	2.94001	0.27656	0.27439	6.48489359	0.123488029	1.169E-05	0.020367	0.770453	0.406736	0.477484	0.45464751	7.828786
1894	494911.06	3859251.99	0.62452	0.27291	0.44867	0.38448	1.56626	1.91776	0.27495	0.27291	6.408142	0.122821962	1.138E-05	0.019917	0.722281	0.265313	0.474704	0.45219524	7.560995
1895	494961.06	3859251.99	0.61943	0.26747	0.44141	0.38091	1.50836	1.89871	0.26941	0.26747	6.35591398	0.120373713	1.12E-05	0.019732	0.695581	0.262677	0.465139	0.44318149	7.476246
1896	495011.06	3859251.99	0.61396	0.26117	0.43295	0.37612	1.43403	1.93859	0.26303	0.26117	6.29978682	0.117538426	1.098E-05	0.019484	0.661303	0.268194	0.454124	0.43274277	7.387699
1897	495061.06	3859251.99	0.61103	0.2539	0.43259	0.3782	1.43612	1.91692	0.25568	0.2539	6.26972236	0.114266594	1.097E-05	0.019591	0.662267	0.265197	0.441434	0.42069683	7.351792
1898	495111.06	3859251.99	0.60708	0.24627	0.42889	0.37735	1.41875	1.90935	0.24793	0.24627	6.22919177	0.110832745	1.088E-05	0.019547	0.654257	0.264149	0.428054	0.40805438	7.297988
1899	495161.06	3859251.99	0.60367	0.23822	0.42673	0.37783	1.43039	1.87696	0.23979	0.23822	6.19420208	0.107209878	1.083E-05	0.019572	0.659625	0.259668	0.414	0.39471602	7.259572
1900	495211.06	3859251.99	0.59968	0.22974	0.42266	0.37661	1.41501	1.91776	0.23124	0.22974	6.15326105	0.10339349	1.072E-05	0.019509	0.652532	0.265313	0.399238	0.38066518	7.212592
1901	495261.06	3859251.99	0.59693	0.22058	0.41932	0.37747	1.40968	1.91594	0.22199	0.22058	6.12504356	0.099271072	1.064E-05	0.019553	0.650074	0.265061	0.383268	0.36548762	7.176794
1902	495311.06	3859251.99	0.59344	0.2124	0.41972	0.37893	1.44405	1.88069	0.21373	0.2124	6.08923299	0.095589699	1.065E-05	0.019629	0.665924	0.260184	0.369007	0.35193385	7.147644
1903	495361.06	3859251.99	0.58997	0.20343	0.41684	0.37891	1.43733	1.78405	0.20468	0.20343	6.05362764	0.091552789	1.057E-05	0.019628	0.662825	0.246815	0.353382	0.33707111	7.09077
1904	495411.06	3859251.99	0.58728	0.19464	0.41651	0.38134	1.46212	1.88148	0.19581	0.19464	6.0260258	0.087596888	1.057E-05	0.019754	0.674257	0.260294	0.338068	0.32250662	7.083499
1905	495461.06	3859251.99	0.58376	0.18564	0.41312	0.38106	1.44558	1.93038	0.18676	0.18564	5.98990741	0.083546477	1.048E-05	0.019739	0.66663	0.267059	0.322443	0.30759417	7.041741
1906	495511.06	3859251.99	0.57928	0.17624	0.40655	0.37785	1.3858	2.00872	0.17728	0.17624	5.94393854	0.079316047	1.031E-05	0.019573	0.639062	0.277897	0.306076	0.29201894	6.973854
1907	495561.06	3859251.99	0.57555	0.16719	0.40223	0.37685	1.35468	2.21127	0.16817	0.16719	5.90566536	0.075243134	1.02E-05	0.019521	0.624711	0.305918	0.290347	0.27702364	6.944393
1908	495611.06	3859251.99	0.57131	0.15796	0.39619	0.37427	1.30047	1.98025	0.15887	0.15796	5.86215911	0.071089213	1.005E-05	0.019388	0.599712	0.273958	0.274291	0.26173009	6.838877
1909	495661.06	3859251.99	0.56759	0.14918	0.39161	0.37331	1.26521	1.50822	0.15527	0.14918	5.82398853	0.067137812	9.934E-06	0.019338	0.583452	0.208655	0.268075	0.24718217	6.723474
1910	494311.06	3859301.99	0.70665	0.25809	0.80081	0.65709	1.93702	1.23768	0.26449	0.25809	7.25087034	0.116152285	2.031E-05	0.034038	0.893257	0.171227	0.456645	0.4276394	8.494571
1911	494361.06	3859301.99	0.69938	0.26146	0.7898	0.63664	1.9599	1.35368	0.26701	0.26146	7.17627354	0.117668939	2.004E-05	0.032979	0.903809	0.187275	0.460995	0.43322328	8.445797
1912	494411.06	3859301.99	0.6908	0.26481	0.77647	0.61052	1.96716	1.45771	0.26962	0.26481	7.08823495	0.119176592	1.97E-05	0.031626	0.907157	0.201667	0.465502	0.43877403	8.374608
1913	494461.06	3859301.99	0.68333	0.26763	0.76306	0.58807	1.96813	1.53988	0.27184	0.26763	7.01158597	0.120445721	1.936E-05	0.030463	0.907604	0.213035	0.469335	0.4434466	8.309041
1914	494511.06	3859301.99	0.67694	0.27263	0.75074	0.53591	1.96827	1.59393	0.2753	0.27263	6.94601877	0.122695949	1.904E-05	0.027761	0.907668	0.220512	0.475308	0.45173129	8.248252
1915	494561.06	3859301.99	0.67118	0.27485	0.74025	0.50262	1.97245	1.6214	0.27622	0.27485	6.88691595	0.12369505	1.878E-05	0.026036	0.909596	0.224313	0.476897	0.4554097	8.192062
1916	494611.06	3859301.99	0.66536	0.27703	0.51953	0.47692	1.96641	1.63523	0.27932	0.27703	6.82719746	0.12467615	1.318E-05	0.024705	0.906811	0.226226	0.482249	0.45902183	8.132856
1917	494661.06	3859301.99	0.65975	0.27678	0.51063	0.43205	1.9554	1.79331	0.27972	0.27678	6.76963377	0.124563638	1.295E-05	0.022381	0.901733	0.248096	0.482939	0.45860759	8.090752
1918	494711.06	3859301.99	0.65388	0.27835	0.49929	0.42096	1.92768	2.06056	0.28106	0.27835	6.70940225	0.12527021	1.267E-05	0.021806	0.88895	0.285068	0.485253	0.46120898	8.054554
1919	494761.06	3859301.99	0.64836	0.27832	0.49006	0.41693	1.90094	2.22972	0.28085	0.27832	6.65276204	0.125256709	1.243E-05	0.021598	0.876619	0.308471	0.48489	0.46115928	8.00845
1920	494811.06	3859301.99	0.64195	0.2785	0.47739	0.41043	1.84122	2.49581	0.2809	0.2785	6.58698962	0.125337717	1.211E-05	0.021261	0.849079	0.345283	0.484977	0.46145753	7.951482
1921	494861.06	3859301.99	0.63449	0.27854	0.4597	0.40067	1.7368	3.20551	0.28085	0.27854	6.51044325	0.125355719	1.166E-05	0.020755	0.800926	0.443467	0.48489	0.4615238	7.924325
1922	494911.06	3859301.99	0.62921	0.27643	0.45104	0.39668	1.69064	1.84623	0.27864	0.27643	6.45626566	0.124406122	1.144E-05	0.020549	0.779639	0.255417	0.481075	0.45802766	7.659335
1923	494961.06	3859301.99	0.62198	0.27431	0.43446	0.38652	1.56658	1.61582	0.27641	0.27431	6.38207929	0.123452026	1.102E-05	0.020022	0.722429	0.223541	0.477225	0.45451495	7.494244
1924	495011.06	3859301.99	0.61731	0.26938	0.4282	0.38402	1.5287	1.54387	0.27142	0.26938	6.33416086	0.1212333	1.086E-05	0.019893	0.704961	0.213587	0.468609	0.44634624	7.416108
1925	495061.06	3859301.99	0.61641	0.26115	0.4331	0.39136	1.5943	1.49041	0.26308	0.26115	6.32492604	0.117529425	1.099E-05	0.020273	0.735212	0.206191	0.45421	0.43270963	7.425643
1926	495111.06	3859301.99	0.61087	0.25635	0.42547	0.38668	1.53311	1.44067	0.25817	0.25635	6.26808061	0.115369205	1.079E-05	0.020031	0.706994	0.19931	0.445733	0.42475633	7.330772
1927	495161.06	3859301.99	0.60718	0.24974	0.42396	0.3874	1.52587	1.40205	0.25145	0.24974	6.23021786	0.112394404	1.075E-05	0.020068	0.703655	0.193967	0.434131	0.41380396	7.28064
1928	495211.06	3859301.99	0.60465	0.24171	0.42485	0.39049	1.54408	1.40935	0.24337	0.24171	6.20425777	0.108780537	1.078E-05	0.020228	0.712053	0.194977	0.420181	0.40049874	7.259989
1929	495261.06	3859301.99	0.60158	0.2337	0.42367	0.39187	1.57334	1.45679	0.2353	0.2337	6.17275678	0.105175671	1.075E-05	0.020299	0.725546	0.20154	0.406248	0.38722666	7.24435
1930	495311.06	3859301.99	0.59716	0.226	0.41784	0.38935	1.54243	1.50602	0.22745	0.226	6.12740357	0.10171032	1.06E-05	0.020169	0.711292	0.20835	0.392695	0.37446823	7.187163
1931	495361.06	3859301.99	0.59431	0.21736	0.41725	0.39123	1.57333	1.51668	0.21878	0.21736	6.09815998	0.097821925	1.058E-05	0.020266	0.725542	0.209825	0.377726	0.36015227	7.169199
1932	495411.06	3859301.99	0.59098	0.20882	0.41489	0.39166	1.57983	1.43825	0.21016	0.20882	6.06399116	0.093978535	1.052E-05	0.020289	0.728539	0.198975	0.362843	0.34600201	7.122624
1933	495461.06	3859301.99	0.58785	0.20015	0.41302	0.39258	1.59039	1.54053	0.20144	0.20015	6.03187452	0.090076639	1.048E-05	0.020336	0.733409	0.213125	0.347788	0.33163635	7.104983
1934	495511.06	3859301.99	0.58371	0.19156	0.40761	0.39046	1.55371	1.6485	0.19275	0.19156	5.98939436	0.086210747	1.034E-05	0.020226	0.716494	0.228062	0.332785	0.31740324	7.055779

1935	495561.06	3859301.99	0.57879	0.18257	0.39944	0.38586	1.47901	1.50627	0.1837	0.18257	5.9389107	0.082164837	1.013E-05	0.019988	0.682046	0.208385	0.31716	0.30250736	6.946157
1936	495611.06	3859301.99	0.5751	0.17369	0.39531	0.3849	1.45435	1.22673	0.17472	0.17369	5.90104795	0.078168431	1.003E-05	0.019938	0.670674	0.169712	0.301656	0.28779374	6.853413
1937	495661.06	3859301.99	0.57141	0.16485	0.391	0.38384	1.42575	1.09669	0.16585	0.16485	5.8631852	0.074190027	9.919E-06	0.019883	0.657485	0.151722	0.286342	0.2731464	6.779671
1938	494311.06	3859351.99	0.7014	0.24878	0.77998	0.68124	2.00157	1.23826	0.2623	0.24878	7.19700057	0.11196236	1.979E-05	0.035289	0.923025	0.171307	0.452864	0.4122133	8.479254
1939	494361.06	3859351.99	0.70028	0.25253	0.76872	0.67294	1.91733	1.26222	0.26137	0.25253	7.18550836	0.113650031	1.95E-05	0.034859	0.884177	0.174622	0.451258	0.41842682	8.425668
1940	494411.06	3859351.99	0.69851	0.2575	0.75536	0.652	1.82503	1.27187	0.26281	0.2575	7.16734655	0.115886758	1.916E-05	0.033775	0.841613	0.175957	0.453744	0.42666181	8.36168
1941	494461.06	3859351.99	0.68951	0.26028	0.74333	0.62708	1.84443	1.26918	0.26558	0.26028	7.07499838	0.117137885	1.886E-05	0.032484	0.85056	0.175585	0.458527	0.4312681	8.278042
1942	494511.06	3859351.99	0.68247	0.26312	0.73208	0.60666	1.86255	1.32829	0.26776	0.26312	7.00276159	0.118416015	1.857E-05	0.031426	0.858916	0.183762	0.46229	0.4359738	8.221617
1943	494561.06	3859351.99	0.67676	0.2651	0.7229	0.59268	1.88629	1.36789	0.26928	0.2651	6.94417181	0.119307105	1.834E-05	0.030702	0.869863	0.189241	0.464915	0.43925454	8.178963
1944	494611.06	3859351.99	0.67091	0.26716	0.71256	0.56247	1.90014	1.56327	0.2709	0.26716	6.8841455	0.120234199	1.808E-05	0.029137	0.87625	0.216271	0.467712	0.44266784	8.151099
1945	494661.06	3859351.99	0.66506	0.26965	0.70166	0.51265	1.90565	1.72923	0.27305	0.26965	6.82411919	0.121354813	1.78E-05	0.026556	0.878791	0.239231	0.471424	0.44679362	8.114699
1946	494711.06	3859351.99	0.65866	0.2725	0.4973	0.47514	1.8925	1.84528	0.27714	0.2725	6.75844938	0.122637443	1.262E-05	0.024613	0.872727	0.255285	0.478485	0.45151589	8.060694
1947	494761.06	3859351.99	0.65232	0.2752	0.48212	0.42686	1.85021	1.96244	0.27797	0.2752	6.69339523	0.123852566	1.223E-05	0.022112	0.853225	0.271494	0.479918	0.45598963	7.988019
1948	494811.06	3859351.99	0.64394	0.27977	0.46416	0.41342	1.77265	2.35407	0.28236	0.27977	6.60740882	0.125909275	1.177E-05	0.021416	0.817458	0.325674	0.487497	0.46356184	7.921813
1949	494861.06	3859351.99	0.6389	0.27874	0.45658	0.41032	1.75934	2.76845	0.2812	0.27874	6.55569385	0.125445728	1.158E-05	0.021255	0.81132	0.383002	0.485495	0.46185519	7.920368
1950	494911.06	3859351.99	0.63448	0.27641	0.45131	0.40885	1.75821	1.7061	0.27877	0.27641	6.51034064	0.124397121	1.145E-05	0.021179	0.810799	0.236031	0.481299	0.45799452	7.726063
1951	494961.06	3859351.99	0.62927	0.27439	0.44201	0.40508	1.72695	1.49785	0.27667	0.27439	6.45688131	0.123488029	1.121E-05	0.020984	0.796384	0.20722	0.477674	0.45464751	7.627994
1952	495011.06	3859351.99	0.62471	0.27123	0.43591	0.40296	1.7086	1.33715	0.2734	0.27123	6.41009157	0.122065885	1.106E-05	0.020874	0.787922	0.184988	0.472028	0.44941158	7.548568
1953	495061.06	3859351.99	0.62233	0.26511	0.43812	0.40685	1.75351	1.28897	0.26722	0.26511	6.38567061	0.119311605	1.111E-05	0.021075	0.808632	0.178323	0.461358	0.43927111	7.53511
1954	495111.06	3859351.99	0.61768	0.26087	0.43152	0.40428	1.72223	1.31323	0.2629	0.26087	6.33795739	0.117403412	1.095E-05	0.020942	0.794207	0.181679	0.4539	0.43224569	7.473854
1955	495161.06	3859351.99	0.61389	0.25528	0.4281	0.404	1.71228	1.34086	0.2572	0.25528	6.29906855	0.114887657	1.086E-05	0.020928	0.789619	0.185501	0.444058	0.4229834	7.43109
1956	495211.06	3859351.99	0.61008	0.24929	0.42437	0.40345	1.6954	1.36506	0.25117	0.24929	6.25997449	0.112191883	1.077E-05	0.020899	0.781834	0.188849	0.433648	0.41305834	7.384349
1957	495261.06	3859351.99	0.60682	0.24214	0.42282	0.40445	1.69252	1.36714	0.2439	0.24214	6.22652394	0.108974057	1.073E-05	0.020951	0.780506	0.189137	0.421096	0.40121122	7.345988
1958	495311.06	3859351.99	0.60264	0.23582	0.41753	0.40267	1.65455	1.3187	0.23752	0.23582	6.18363334	0.106129768	1.059E-05	0.020859	0.762996	0.182436	0.410081	0.39073937	7.275406
1959	495361.06	3859351.99	0.59901	0.22844	0.41429	0.40238	1.65459	1.21652	0.23007	0.22844	6.14638625	0.102808431	1.051E-05	0.020844	0.763015	0.1683	0.397218	0.37851116	7.22007
1960	495411.06	3859351.99	0.59579	0.22041	0.41244	0.40312	1.67689	1.34004	0.22196	0.22041	6.11334612	0.099194564	1.046E-05	0.020882	0.773298	0.185388	0.383216	0.36520594	7.21013
1961	495461.06	3859351.99	0.59282	0.21199	0.41154	0.40462	1.70754	1.38474	0.21347	0.21199	6.08287123	0.09540518	1.044E-05	0.02096	0.787433	0.191572	0.368558	0.35125451	7.195555
1962	495511.06	3859351.99	0.58828	0.20447	0.40445	0.40134	1.66186	1.26989	0.20585	0.20447	6.03628671	0.092020837	1.026E-05	0.02079	0.766367	0.175683	0.355402	0.33879433	7.107766
1963	495561.06	3859351.99	0.58419	0.19631	0.39903	0.39926	1.6323	1.08329	0.19764	0.19631	5.9943196	0.088348464	1.012E-05	0.020682	0.752736	0.149868	0.341227	0.32527371	7.021918
1964	495611.06	3859351.99	0.58049	0.18789	0.39501	0.39831	1.61685	0.9959	0.18913	0.18789	5.95635424	0.084559079	1.002E-05	0.020633	0.745611	0.137778	0.326535	0.31132228	6.960158
1965	495661.06	3859351.99	0.57596	0.17957	0.38792	0.39473	1.56041	0.9367	0.18071	0.17957	5.90987233	0.0808147	9.841E-06	0.020448	0.719584	0.129588	0.311998	0.29753655	6.874777
1966	494311.06	3859401.99	0.69486	0.25442	0.74814	0.71144	2.16929	1.05875	0.26737	0.25442	7.12989424	0.114500617	1.898E-05	0.036854	1.000369	0.146473	0.461617	0.42155843	8.468168
1967	494361.06	3859401.99	0.69556	0.25214	0.73702	0.69958	2.09567	1.11712	0.26599	0.25214	7.13707687	0.113474513	1.87E-05	0.036239	0.966419	0.154548	0.459234	0.41778061	8.44923
1968	494411.06	3859401.99	0.6968	0.24954	0.72376	0.68727	2.01116	1.15665	0.26463	0.24954	7.1498004	0.112304395	1.836E-05	0.035602	0.927447	0.160017	0.456886	0.41347257	8.428603
1969	494461.06	3859401.99	0.69633	0.2512	0.71398	0.67698	1.92947	1.18093	0.26332	0.2512	7.14497777	0.11305147	1.811E-05	0.035069	0.889776	0.163376	0.454625	0.41622309	8.384669
1970	494511.06	3859401.99	0.6927	0.25418	0.70663	0.66604	1.85391	1.21501	0.26223	0.25418	7.10773068	0.114392606	1.793E-05	0.034502	0.854931	0.168091	0.452743	0.42116077	8.311247
1971	494561.06	3859401.99	0.68567	0.25714	0.69795	0.64008	1.77001	1.3533	0.26252	0.25714	7.0355965	0.115724742	1.771E-05	0.033157	0.816241	0.187222	0.453243	0.42606531	8.215137
1972	494611.06	3859401.99	0.67803	0.25998	0.68742	0.61628	1.78294	1.46247	0.26469	0.25998	6.95720316	0.117002871	1.744E-05	0.031924	0.822203	0.202326	0.45699	0.43077101	8.156896
1973	494661.06	3859401.99	0.67234	0.26187	0.67919	0.60635	1.81184	1.53984	0.26609	0.26187	6.8988186	0.117853458	1.723E-05	0.03141	0.835531	0.213029	0.459407	0.43390263	8.122164
1974	494711.06	3859401.99	0.66628	0.26351	0.6695	0.59089	1.83079	1.61787	0.2673	0.26351	6.8366375	0.118591532	1.698E-05	0.030609	0.844269	0.223824	0.461496	0.43662001	8.078825
1975	494761.06	3859401.99	0.65921	0.26654	0.64959	0.51603	1.80292	1.72485	0.27341	0.26654	6.76409288	0.119955171	1.648E-05	0.026731	0.831417	0.238625	0.472045	0.44164053	8.011242
1976	494811.06	3859401.99	0.65224	0.27113	0.46961	0.45224	1.79855	2.31477	0.27408	0.27113	6.69257436	0.12202088	1.191E-05	0.023427	0.829402	0.320237	0.473202	0.44924588	8.011629
1977	494861.06	3859401.99	0.64546	0.27471	0.45469	0.42457	1.76198	2.82331	0.27747	0.27471	6.6230054	0.123632044	1.153E-05	0.021993	0.812538	0.390591	0.479055	0.45517773	7.995648
1978	494911.06	3859401.99	0.64045	0.27428	0.44491	0.41999	1.74827	1.54817	0.27686	0.27428	6.57159826	0.123438524	1.129E-05	0.021756	0.806215	0.214182	0.478002	0.45446524	7.760738
1979	494961.06	3859401.99	0.63566	0.27372	0.4406	0.41842	1.75922	1.32724	0.27614	0.27372	6.52244851	0.123186499	1.118E-05	0.021675	0.811265	0.183617	0.476759	0.45353736	7.685424
1980	495011.06	3859401.99	0.63168	0.27109	0.4369	0.4177	1.77399	1.2799	0.27343	0.27109	6.4816101	0.122002879	1.108E-05	0.021637	0.818076	0.177068	0.47208	0.44917961	7.643306
1981	495061.06	3859401.99	0.62853	0.26643	0.43313	0.4181	1.78875	1.28057	0.26871	0.26643	6.44928824	0.119905666	1.099E-05	0.021658	0.824883	0.177161	0.463931	0.44145827	7.615379
1982	495111.06	3859401.99	0.62364	0.26369	0.42616	0.41491	1.77032	1.28822	0.26588	0.26369	6.3991124	0.118672541	1.081E-05	0.021493	0.816384	0.178219	0.459045	0.43691826	7.556018
1983	495161.06	3859401.99	0.61962	0.25979	0.42465	0.41509	1.7838	1.28578	0.2619	0.25979	6.35786355	0.116917363	1.077E-05	0.021502	0.8226	0.177881	0.452173	0.4304562	7.518492
1984	495211.06	3859401.99	0.61634	0.25437	0.42328	0.41603	1.79802	1.25133	0.2564	0.25437	6.32420778	0.114478115	1.074E-05	0.021551	0.829158	0.173115	0.442677	0.42147559	7.483722
1985	495261.06	3859401.99	0.61254	0.24885	0.41964	0.41545	1.79125	1.16372	0.2508	0.24885	6.28521633	0.111993863	1.065E-05	0.021521	0.826036	0.160995	0.433009	0.41232928	7.426452
1986	495311.06	3859401.99	0.60861	0.24299	0.41558	0.41459	1.77703	1.14668	0.24484	0.24299	6.24489096	0.109356595	1.054E-05	0.021476	0.819478	0.158638	0.422719	0.40261962	7.373949
1987	495361.06	3859401.99	0.60563	0.2361	0.41496	0.41599	1.78423	1.23107	0.2379	0.2361	6.21431345	0.106255781	1.053E-05	0.021549	0.822798	0.170313	0.410737	0.39120331	7.354773
1988	495411.06	3859401.99	0.60213	0.22921	0.41227	0.41602	1.77206	1.25246	0.23093	0.22921	6.17840028	0.103154966	1.046E-05	0.02155	0.817186	0.173272	0.398703	0.379787	7.31249
1989	495461.06	3859401.99	0.5981	0.22231	0.40746	0.41463	1.75045	1.15924	0.22395	0.22231	6.13704882	0.100049651	1.034E-05	0.021478	0.807221	0.160375	0.386652	0.36835412	7.244481
1990	495511.06	3859401.99	0.59355	0.21522	0.39977	0.41175	1.72367	0.96427	0.2168	0.21522	6.09036169	0.096858827	1.014E-05	0.021329	0.794871	0.133402	0.374307	0.35660642	7.154534
1991	495561.06	3859401.99	0.58877	0.20822	0.39187	0.40796	1.67922	0.94008	0.20977	0.20822	6.04131455	0.093708508	9.941E-06	0.021133	0.774373	0.130055	0.36217	0.34500785	7.077756

1992	495611.06	3859401.99	0.58491	0.20063	0.38741	0.40658	1.66846	0.83746	0.20209	0.20063	6.00170745	0.090292661	9.828E-06	0.021061	0.769411	0.115858	0.34891	0.33243168	7.01482
1993	495661.06	3859401.99	0.58127	0.19262	0.38364	0.40572	1.66236	0.8108	0.19397	0.19262	5.96435775	0.086687795	9.732E-06	0.021017	0.766598	0.11217	0.334891	0.3191596	6.966572
1994	494311.06	3859451.99	0.69234	0.26011	0.70195	0.74289	2.25916	1.01854	0.2714	0.26011	7.10403675	0.117061377	1.781E-05	0.038483	1.041812	0.14091	0.468575	0.43098642	8.47991
1995	494361.06	3859451.99	0.69226	0.25793	0.69409	0.73057	2.21248	1.0351	0.27029	0.25793	7.10321588	0.116080278	1.761E-05	0.037845	1.020286	0.143201	0.466658	0.42737429	8.459929
1996	494411.06	3859451.99	0.69506	0.25476	0.68177	0.71493	2.14358	1.06463	0.26848	0.25476	7.13194642	0.114653633	1.73E-05	0.037034	0.988513	0.147286	0.463533	0.42212179	8.460862
1997	494461.06	3859451.99	0.69198	0.25365	0.67743	0.70781	2.09346	1.09017	0.26762	0.25365	7.10034282	0.114154082	1.718E-05	0.036666	0.9654	0.15082	0.462049	0.42028259	8.409165
1998	494511.06	3859451.99	0.6913	0.25141	0.66825	0.69736	2.02558	1.1719	0.26621	0.25141	7.09336541	0.11314598	1.695E-05	0.036124	0.934097	0.162127	0.459614	0.41657105	8.381919
1999	494561.06	3859451.99	0.6897	0.24923	0.66136	0.68826	1.95711	1.24813	0.26466	0.24923	7.07694795	0.11216488	1.678E-05	0.035653	0.902522	0.172673	0.456938	0.41295892	8.343956
2000	494611.06	3859451.99	0.68633	0.251	0.65682	0.68294	1.89414	1.30541	0.26383	0.251	7.0423687	0.112961461	1.666E-05	0.035377	0.873483	0.180597	0.455505	0.4158917	8.284418
2001	494661.06	3859451.99	0.68152	0.25428	0.64721	0.64899	1.80812	1.3673	0.26117	0.25428	6.99301373	0.114437611	1.642E-05	0.033619	0.833815	0.189159	0.450913	0.42132646	8.193647
2002	494711.06	3859451.99	0.67345	0.25725	0.63727	0.62292	1.71709	1.45101	0.26196	0.25725	6.91020821	0.115774247	1.617E-05	0.032268	0.791837	0.20074	0.452277	0.42624757	8.076873
2003	494761.06	3859451.99	0.66719	0.25932	0.62861	0.60763	1.71565	1.56535	0.26352	0.25932	6.84597493	0.116705841	1.595E-05	0.031476	0.791173	0.216559	0.45497	0.42967743	8.027196
2004	494811.06	3859451.99	0.65986	0.26228	0.61568	0.55806	1.71909	2.3127	0.26589	0.26228	6.77076247	0.118037976	1.562E-05	0.028908	0.792759	0.319951	0.459062	0.43458197	8.054914
2005	494861.06	3859451.99	0.65403	0.26506	0.45431	0.51436	1.72489	2.92515	0.26838	0.26506	6.71094138	0.119289103	1.152E-05	0.026645	0.795434	0.40468	0.463361	0.43918826	8.081173
2006	494911.06	3859451.99	0.64873	0.26651	0.44691	0.48756	1.73767	1.55872	0.26956	0.26651	6.65655857	0.119941669	1.134E-05	0.025256	0.801327	0.215641	0.465398	0.44159083	7.842544
2007	494961.06	3859451.99	0.64439	0.26639	0.44248	0.4728	1.76329	1.29051	0.26927	0.26639	6.61202623	0.119887664	1.122E-05	0.024492	0.813142	0.178536	0.464897	0.44139199	7.7716
2008	495011.06	3859451.99	0.63977	0.26654	0.43688	0.44855	1.77853	1.27066	0.26926	0.26654	6.56462084	0.119955171	1.108E-05	0.023236	0.82017	0.17579	0.46488	0.44164053	7.727022
2009	495061.06	3859451.99	0.63524	0.26557	0.43134	0.43646	1.78998	1.2515	0.26808	0.26557	6.51813893	0.119518626	1.094E-05	0.022609	0.82545	0.173139	0.462843	0.4400333	7.681676
2010	495111.06	3859451.99	0.63074	0.26381	0.42474	0.42884	1.79623	1.21783	0.26625	0.26381	6.47196484	0.118726546	1.077E-05	0.022215	0.828332	0.168481	0.459683	0.43711709	7.632296
2011	495161.06	3859451.99	0.62702	0.2604	0.42203	0.42839	1.81674	1.15306	0.26274	0.2604	6.43379427	0.11719189	1.071E-05	0.022191	0.83779	0.15952	0.453623	0.43146693	7.592655
2012	495211.06	3859451.99	0.6236	0.25613	0.42027	0.43175	1.83932	1.0459	0.25829	0.25613	6.39870196	0.115270195	1.066E-05	0.022365	0.848203	0.144695	0.44594	0.4243918	7.550795
2013	495261.06	3859451.99	0.62008	0.25146	0.41901	0.43174	1.85528	1.1001	0.25358	0.25146	6.36258357	0.113168482	1.063E-05	0.022365	0.855563	0.152193	0.437808	0.41665389	7.527038
2014	495311.06	3859451.99	0.61606	0.24708	0.41379	0.42725	1.85351	1.15868	0.24911	0.24708	6.32133472	0.111197282	1.05E-05	0.022132	0.854747	0.160298	0.430091	0.4093965	7.490414
2015	495361.06	3859451.99	0.61227	0.24186	0.41043	0.42657	1.85355	1.16556	0.24383	0.24186	6.28244588	0.108848044	1.041E-05	0.022097	0.854765	0.16125	0.420975	0.40074728	7.449644
2016	495411.06	3859451.99	0.60825	0.23642	0.406	0.42528	1.84245	1.08782	0.23835	0.23642	6.24119703	0.106399795	1.03E-05	0.02203	0.849646	0.150495	0.411514	0.39173353	7.389558
2017	495461.06	3859451.99	0.60447	0.2304	0.4025	0.42459	1.83319	0.93351	0.23221	0.2304	6.2024108	0.103690521	1.021E-05	0.021994	0.845376	0.129147	0.400913	0.38175876	7.321783
2018	495511.06	3859451.99	0.59952	0.22511	0.39448	0.42108	1.78918	0.86915	0.22681	0.22511	6.15161931	0.101309779	1.001E-05	0.021813	0.825081	0.120243	0.39159	0.37299355	7.238671
2019	495561.06	3859451.99	0.5954	0.21841	0.38947	0.41934	1.76095	0.80574	0.22006	0.21841	6.10934437	0.098294473	9.88E-06	0.021722	0.812063	0.11147	0.379936	0.36189206	7.170948
2020	495611.06	3859451.99	0.59137	0.21123	0.38468	0.41778	1.73014	0.72009	0.21283	0.21123	6.06799291	0.095063145	9.758E-06	0.021642	0.797855	0.099621	0.367453	0.34999524	7.099641
2021	495661.06	3859451.99	0.58744	0.20381	0.38027	0.41639	1.72435	0.69988	0.20533	0.20381	6.02766755	0.091723806	9.647E-06	0.02157	0.795185	0.096825	0.354504	0.33770075	7.049784
2022	494311.06	3859501.99	0.68946	0.26563	0.65001	0.77909	2.28623	0.9941	0.27493	0.26563	7.07448534	0.119545629	1.649E-05	0.040358	1.054296	0.137529	0.474669	0.44013272	8.460767
2023	494361.06	3859501.99	0.6894	0.26338	0.64457	0.76615	2.26469	1.00925	0.27372	0.26338	7.07386968	0.118533026	1.635E-05	0.039688	1.044363	0.139625	0.47258	0.43640461	8.45227
2024	494411.06	3859501.99	0.69402	0.25929	0.63224	0.74681	2.2179	1.014	0.27177	0.25929	7.12127508	0.11669234	1.604E-05	0.038686	1.022785	0.140282	0.469214	0.42962773	8.479323
2025	494461.06	3859501.99	0.68822	0.25917	0.6337	0.74269	2.19691	1.02647	0.27125	0.25917	7.06176181	0.116638334	1.608E-05	0.038472	1.013106	0.142007	0.468316	0.42942889	8.410889
2026	494511.06	3859501.99	0.68811	0.25687	0.62696	0.73092	2.14868	1.08224	0.26961	0.25687	7.06063311	0.115603229	1.59E-05	0.037863	0.990865	0.149723	0.465484	0.42561793	8.394569
2027	494561.06	3859501.99	0.68722	0.25467	0.62093	0.72041	2.09601	1.13275	0.26821	0.25467	7.0515009	0.114613129	1.575E-05	0.037318	0.966576	0.15671	0.463067	0.42197267	8.367829
2028	494611.06	3859501.99	0.6811	0.25477	0.62195	0.718	2.0609	1.18355	0.26784	0.25477	6.98870415	0.114658133	1.578E-05	0.037193	0.950385	0.163738	0.462428	0.42213836	8.294985
2029	494661.06	3859501.99	0.68197	0.25158	0.6129	0.70559	1.98953	1.2558	0.26579	0.25158	6.99763114	0.113222488	1.555E-05	0.036551	0.917472	0.173734	0.458889	0.41685273	8.280662
2030	494711.06	3859501.99	0.68306	0.24944	0.60031	0.67971	1.90256	1.36132	0.26164	0.24944	7.00881553	0.11225939	1.523E-05	0.03521	0.877366	0.188332	0.451724	0.41330688	8.260415
2031	494761.06	3859501.99	0.67914	0.25096	0.59807	0.67924	1.84687	1.48258	0.26131	0.25096	6.96859277	0.112943459	1.517E-05	0.035186	0.851685	0.205108	0.451154	0.41582542	8.208858
2032	494811.06	3859501.99	0.66757	0.2555	0.58254	0.61539	1.73315	2.23815	0.26011	0.2555	6.84987407	0.114986667	1.478E-05	0.031878	0.799243	0.309637	0.449083	0.42334793	8.131368
2033	494861.06	3859501.99	0.66214	0.25719	0.57593	0.60138	1.65419	2.76113	0.26135	0.25719	6.79415734	0.115747244	1.461E-05	0.031152	0.76283	0.381989	0.451223	0.42614815	8.110966
2034	494911.06	3859501.99	0.6578	0.25796	0.57153	0.59637	1.6502	1.58918	0.26355	0.25796	6.749625	0.116093779	1.45E-05	0.030893	0.76099	0.219855	0.455022	0.427424	7.905069
2035	494961.06	3859501.99	0.65209	0.25986	0.56289	0.55751	1.6699	1.27687	0.26333	0.25986	6.69103522	0.116948866	1.428E-05	0.02888	0.770075	0.176649	0.454642	0.43057218	7.807672
2036	495011.06	3859501.99	0.64797	0.25976	0.55854	0.54787	1.70614	1.2272	0.26301	0.25976	6.64876028	0.116903861	1.417E-05	0.02838	0.786787	0.169777	0.454089	0.43040649	7.774306
2037	495061.06	3859501.99	0.64391	0.25897	0.55429	0.53764	1.74036	1.16448	0.26203	0.25897	6.607101	0.116548325	1.406E-05	0.027851	0.802568	0.1611	0.452397	0.42909751	7.738482
2038	495111.06	3859501.99	0.63884	0.25924	0.42029	0.51312	1.74979	1.07386	0.26341	0.25924	6.5550782	0.116669837	1.066E-05	0.02658	0.806916	0.148563	0.45478	0.42954488	7.679054
2039	495161.06	3859501.99	0.63489	0.25719	0.4173	0.51099	1.77858	1.01812	0.25991	0.25719	6.51454761	0.115747244	1.059E-05	0.02647	0.820193	0.140852	0.448737	0.42614815	7.640409
2040	495211.06	3859501.99	0.63154	0.25394	0.41603	0.51508	1.81333	1.07185	0.257	0.25394	6.48017357	0.114284595	1.055E-05	0.026682	0.836218	0.148285	0.443713	0.4207631	7.628604
2041	495261.06	3859501.99	0.62762	0.25101	0.41287	0.50953	1.83444	1.11024	0.25344	0.25101	6.43995081	0.112965962	1.047E-05	0.026394	0.845953	0.153596	0.437567	0.41590827	7.600529
2042	495311.06	3859501.99	0.624	0.24711	0.41051	0.5086	1.8562	1.10668	0.2506	0.24711	6.40280633	0.111210784	1.041E-05	0.026346	0.855987	0.153104	0.432663	0.40944621	7.572682
2043	495361.06	3859501.99	0.61993	0.24333	0.40667	0.50164	1.8662	1.03868	0.24561	0.24333	6.36104443	0.109509611	1.032E-05	0.025986	0.860599	0.143696	0.424048	0.40318298	7.52171
2044	495411.06	3859501.99	0.616	0.23894	0.40312	0.49075	1.87379	0.9114	0.24123	0.23894	6.32071907	0.107533911	1.023E-05	0.025422	0.864099	0.126088	0.416486	0.39590902	7.464448
2045	495461.06	3859501.99	0.6118	0.23463	0.39865	0.47823	1.87234	0.79383	0.23663	0.23463	6.27762325	0.105594214	1.011E-05	0.024773	0.86343	0.109822	0.408544	0.38876761	7.40103
2046	495511.06	3859501.99	0.60661	0.2312	0.38784	0.43617	1.83159	0.77138	0.23314	0.2312	6.22436914	0.104050557	9.839E-06	0.022594	0.844638	0.106717	0.402519	0.38308431	7.321813
2047	495561.06	3859501.99	0.60279	0.22574	0.38686	0.43324	1.83941	0.69963	0.22755	0.22574	6.18517248	0.101593308	9.814E-06	0.022442	0.848245	0.09679	0.392867	0.37403742	7.273083
2048	495611.06	3859501.99	0.59852	0.22001	0.38077	0.42744	1.81998	0.62945	0.22177	0.22001	6.1413584	0.099014546	9.659E-06	0.022142	0.839284	0.087081	0.382888	0.36454316	7.207235

2049	495661.06	3859501.99	0.59414	0.2139	0.37497	0.42512	1.79244	0.61009	0.21557	0.2139	6.09641563	0.096264767	9.512E-06	0.022022	0.826584	0.084403	0.372184	0.35441926	7.143464
2050	494311.06	3859551.99	0.68792	0.27014	0.59253	0.81455	2.24794	0.95032	0.27755	0.27014	7.05868354	0.121575335	1.503E-05	0.042195	1.036638	0.131472	0.479193	0.44760552	8.422167
2051	494361.06	3859551.99	0.68819	0.26717	0.58692	0.80065	2.24612	0.94684	0.27606	0.26717	7.06145398	0.1202387	1.489E-05	0.041475	1.035799	0.130991	0.47662	0.44268441	8.423908
2052	494411.06	3859551.99	0.69306	0.26302	0.57805	0.78065	2.22898	0.93832	0.27404	0.26302	7.1114246	0.11837101	1.466E-05	0.040439	1.027895	0.129812	0.473133	0.43580811	8.465281
2053	494461.06	3859551.99	0.68657	0.26338	0.5837	0.77836	2.22976	0.95836	0.27351	0.26338	7.04483131	0.118533026	1.481E-05	0.04032	1.028255	0.132584	0.472218	0.43640461	8.400352
2054	494511.06	3859551.99	0.68619	0.26096	0.57959	0.76626	2.20652	1.00612	0.27192	0.26096	7.04093217	0.117443916	1.47E-05	0.039693	1.017537	0.139192	0.469473	0.43239481	8.391891
2055	494561.06	3859551.99	0.68457	0.25912	0.57671	0.75608	2.17842	1.05852	0.27065	0.25912	7.0243095	0.116615832	1.463E-05	0.039166	1.004579	0.146441	0.46728	0.42934605	8.36906
2056	494611.06	3859551.99	0.68108	0.258	0.57596	0.74878	2.14973	1.12164	0.26964	0.258	6.98849893	0.116111781	1.461E-05	0.038788	0.991349	0.155173	0.465536	0.42749028	8.327981
2057	494661.06	3859551.99	0.67889	0.25628	0.57308	0.74016	2.11093	1.20482	0.26837	0.25628	6.96602754	0.115337702	1.454E-05	0.038341	0.973456	0.166681	0.463344	0.42464034	8.298561
2058	494711.06	3859551.99	0.68507	0.24841	0.55716	0.71532	2.02873	1.34994	0.26231	0.24841	7.02943995	0.111795843	1.413E-05	0.037055	0.93555	0.186758	0.452881	0.41160023	8.341892
2059	494761.06	3859551.99	0.67705	0.25136	0.56278	0.71871	2.00516	1.45835	0.26465	0.25136	6.94714747	0.113123478	1.428E-05	0.03723	0.92468	0.201756	0.456921	0.4164882	8.264384
2060	494811.06	3859551.99	0.67967	0.24682	0.55053	0.69392	1.9231	2.24232	0.25944	0.24682	6.97403105	0.11108027	1.397E-05	0.035946	0.886838	0.310214	0.447926	0.4089657	8.357084
2061	494861.06	3859551.99	0.67468	0.24925	0.54583	0.6591	1.85928	2.79368	0.25521	0.24925	6.92282912	0.112173881	1.385E-05	0.034142	0.857408	0.386492	0.440623	0.41299206	8.340689
2062	494911.06	3859551.99	0.66753	0.25173	0.53951	0.63108	1.7857	1.56178	0.25662	0.25173	6.84946363	0.113289995	1.369E-05	0.032691	0.823476	0.216065	0.443057	0.41710127	8.060955
2063	494961.06	3859551.99	0.66315	0.25272	0.53647	0.62414	1.72306	1.2146	0.2572	0.25272	6.80452086	0.11373554	1.361E-05	0.032331	0.79459	0.168034	0.444058	0.41874164	7.938542
2064	495011.06	3859551.99	0.65937	0.25297	0.53419	0.62018	1.66088	1.12359	0.25713	0.25297	6.76573463	0.113848051	1.355E-05	0.032126	0.765915	0.155443	0.443938	0.41915587	7.857863
2065	495061.06	3859551.99	0.65411	0.25344	0.52906	0.60813	1.63224	1.01515	0.25724	0.25344	6.71176225	0.114059573	1.342E-05	0.031502	0.752708	0.140441	0.444127	0.41993463	7.774679
2066	495111.06	3859551.99	0.64832	0.25392	0.52223	0.59643	1.65875	1.02337	0.25738	0.25392	6.6523516	0.114275595	1.325E-05	0.030896	0.764933	0.141578	0.444369	0.42072996	7.727687
2067	495161.06	3859551.99	0.64461	0.25268	0.5197	0.59392	1.70021	1.05805	0.25594	0.25268	6.61428363	0.113717538	1.318E-05	0.030766	0.784052	0.146376	0.441883	0.41867536	7.712416
2068	495211.06	3859551.99	0.64141	0.25062	0.51814	0.59425	1.74332	1.08069	0.2537	0.25062	6.58144873	0.112790444	1.314E-05	0.030783	0.803933	0.149508	0.438016	0.41526206	7.70123
2069	495261.06	3859551.99	0.63643	0.24913	0.51243	0.58248	1.76642	1.06696	0.25203	0.24913	6.53034941	0.112119876	1.3E-05	0.030173	0.814585	0.147609	0.435132	0.41279323	7.657189
2070	495311.06	3859551.99	0.63204	0.24796	0.50791	0.57745	1.79122	1.00491	0.24959	0.24796	6.48530402	0.111593322	1.288E-05	0.029913	0.826022	0.139024	0.43092	0.41085461	7.611934
2071	495361.06	3859551.99	0.62809	0.24382	0.50426	0.57451	1.81661	0.89619	0.24642	0.24382	6.44477344	0.109730133	1.279E-05	0.02976	0.83773	0.123984	0.425447	0.40399488	7.567442
2072	495411.06	3859551.99	0.62447	0.24009	0.50149	0.57242	1.84228	0.76584	0.24258	0.24009	6.40762895	0.108051463	1.272E-05	0.029652	0.849568	0.10595	0.418817	0.3978145	7.521866
2073	495461.06	3859551.99	0.61919	0.23769	0.49396	0.53677	1.84353	0.73173	0.24004	0.23769	6.35345136	0.106971353	1.253E-05	0.027805	0.850145	0.101231	0.414431	0.39383784	7.46021
2074	495511.06	3859551.99	0.6142	0.23467	0.38465	0.51182	1.83806	0.68045	0.23701	0.23467	6.30224943	0.105612216	9.758E-06	0.026513	0.847622	0.094137	0.4092	0.38883389	7.39651
2075	495561.06	3859551.99	0.61002	0.23018	0.38064	0.50242	1.84332	0.61533	0.23231	0.23018	6.25935884	0.103591511	9.656E-06	0.026026	0.850048	0.085128	0.401086	0.38139423	7.343853
2076	495611.06	3859551.99	0.60582	0.22535	0.37645	0.48568	1.84352	0.56476	0.22743	0.22535	6.21626303	0.10141779	9.55E-06	0.025159	0.85014	0.078132	0.39266	0.37339122	7.29039
2077	495661.06	3859551.99	0.60133	0.22095	0.37104	0.45461	1.83313	0.54767	0.22286	0.22095	6.17019155	0.099437589	9.412E-06	0.023549	0.845349	0.075767	0.38477	0.36610068	7.232973
2078	494311.06	3859601.99	0.68598	0.27376	0.56721	0.84856	2.1522	0.88247	0.279	0.27376	7.03877738	0.1232045	1.439E-05	0.043957	0.992488	0.122085	0.481696	0.45360363	8.348619
2079	494361.06	3859601.99	0.6908	0.26929	0.5271	0.829	2.17513	0.86235	0.27719	0.26929	7.08823495	0.121192796	1.337E-05	0.042943	1.003062	0.119302	0.478571	0.44619712	8.407123
2080	494411.06	3859601.99	0.69182	0.26651	0.52522	0.81601	2.18668	0.87284	0.27544	0.26651	7.09870108	0.119941669	1.332E-05	0.04227	1.008388	0.120753	0.47555	0.44159083	8.424027
2081	494461.06	3859601.99	0.68531	0.26656	0.53154	0.81318	2.19968	0.91578	0.27461	0.26656	7.03190257	0.119964172	1.348E-05	0.042124	1.014383	0.126694	0.474117	0.44167367	8.367524
2082	494511.06	3859601.99	0.687	0.26325	0.52705	0.79824	2.19566	0.97049	0.27284	0.26325	7.0492435	0.118474521	1.337E-05	0.04135	1.012529	0.134263	0.471061	0.43618921	8.390745
2083	494561.06	3859601.99	0.68161	0.26301	0.53114	0.79318	2.19558	1.02746	0.27187	0.26301	6.99393721	0.11836651	1.347E-05	0.041088	1.012493	0.142144	0.469386	0.43579154	8.341636
2084	494611.06	3859601.99	0.67779	0.26196	0.53277	0.78563	2.18631	1.09919	0.2708	0.26196	6.95474055	0.117893962	1.352E-05	0.040697	1.008218	0.152068	0.467539	0.43405175	8.307117
2085	494661.06	3859601.99	0.67972	0.25783	0.52501	0.76954	2.15657	1.19975	0.26845	0.25783	6.9745441	0.116035273	1.332E-05	0.039863	0.994503	0.16598	0.463482	0.4272086	8.327212
2086	494711.06	3859601.99	0.68247	0.25348	0.51847	0.75293	2.11752	1.34962	0.26512	0.25348	7.00276159	0.114077574	1.315E-05	0.039003	0.976495	0.186713	0.457732	0.42000091	8.356795
2087	494761.06	3859601.99	0.67261	0.25578	0.52701	0.75533	2.11004	1.44029	0.26637	0.25578	6.90158904	0.115112679	1.337E-05	0.039127	0.973046	0.199257	0.459891	0.42381187	8.264224
2088	494811.06	3859601.99	0.67558	0.25099	0.51792	0.73827	2.05537	2.24668	0.26282	0.25099	6.93206394	0.112956961	1.314E-05	0.038243	0.947835	0.310817	0.453761	0.41587513	8.379816
2089	494861.06	3859601.99	0.67316	0.24859	0.5157	0.72875	2.01201	2.86844	0.26101	0.24859	6.90723254	0.111876851	1.308E-05	0.03775	0.927839	0.396835	0.450636	0.41189848	8.420284
2090	494911.06	3859601.99	0.67412	0.24352	0.50749	0.71099	1.94836	1.54674	0.25497	0.24352	6.91708301	0.10959512	1.287E-05	0.03683	0.898487	0.213984	0.440208	0.4034978	8.212703
2091	494961.06	3859601.99	0.66732	0.24489	0.51174	0.71338	1.91391	1.13815	0.25825	0.24489	6.84730884	0.110211682	1.298E-05	0.036954	0.8826	0.157457	0.445871	0.4057678	8.074649
2092	495011.06	3859601.99	0.66889	0.24691	0.50219	0.68957	1.83798	1.03312	0.25222	0.24691	6.86341847	0.111120774	1.274E-05	0.035721	0.847585	0.142927	0.43546	0.40911482	8.02713
2093	495061.06	3859601.99	0.66381	0.24692	0.5025	0.69187	1.78866	1.04243	0.2519	0.24692	6.81129306	0.111125275	1.275E-05	0.03584	0.824841	0.144215	0.434908	0.40913139	7.953104
2094	495111.06	3859601.99	0.66102	0.24853	0.49641	0.65376	1.71413	1.05545	0.25294	0.24853	6.78266513	0.111849848	1.259E-05	0.033866	0.790472	0.146016	0.436703	0.41179906	7.889786
2095	495161.06	3859601.99	0.65751	0.24799	0.49522	0.65548	1.65468	1.06264	0.25208	0.24799	6.74664934	0.111606824	1.256E-05	0.033955	0.763056	0.147011	0.435219	0.41090432	7.826605
2096	495211.06	3859601.99	0.65259	0.2476	0.49202	0.63487	1.61339	1.04224	0.2514	0.2476	6.69616567	0.111431306	1.248E-05	0.032887	0.744015	0.144189	0.434045	0.41025811	7.752487
2097	495261.06	3859601.99	0.64848	0.24636	0.48965	0.62733	1.65525	0.98349	0.24991	0.24636	6.65399334	0.110873249	1.242E-05	0.032497	0.763319	0.136061	0.431472	0.4082035	7.720024
2098	495311.06	3859601.99	0.64472	0.24452	0.48754	0.6236	1.69577	0.88858	0.24786	0.24452	6.61541233	0.110045165	1.237E-05	0.032303	0.782005	0.122931	0.427933	0.40515474	7.685487
2099	495361.06	3859601.99	0.63941	0.24301	0.48336	0.60509	1.7267	0.77245	0.2461	0.24301	6.56092691	0.109365596	1.226E-05	0.031345	0.796268	0.106865	0.424894	0.40265276	7.627024
2100	495411.06	3859601.99	0.63548	0.24034	0.48077	0.60103	1.76059	0.68802	0.24327	0.24034	6.52060155	0.108163974	1.22E-05	0.031134	0.811897	0.095184	0.420008	0.39822873	7.588772
2101	495461.06	3859601.99	0.62812	0.23912	0.47222	0.58003	1.76991	0.65934	0.24181	0.23912	6.44508127	0.107614919	1.198E-05	0.030046	0.816195	0.091216	0.417487	0.39620727	7.511446
2102	495511.06	3859601.99	0.62209	0.23768	0.46452	0.56321	1.77796	0.61836	0.23943	0.23768	6.38320799	0.106966853	1.178E-05	0.029175	0.819907	0.085547	0.413378	0.39382127	7.444373
2103	495561.06	3859601.99	0.61883	0.23249	0.46321	0.56287	1.80803	0.59615	0.2349	0.23249	6.34975743	0.104631116	1.175E-05	0.029157	0.833774	0.082474	0.405557	0.38522176	7.420141
2104	495611.06	3859601.99	0.61278	0.2301	0.45424	0.53047	1.803	0.57108	0.23236	0.2301	6.28767894	0.103555507	1.152E-05	0.027479	0.831454	0.079006	0.401172	0.38126168	7.349096
2105	495661.06	3859601.99	0.60897	0.22521	0.45135	0.52561	1.81999	0.56272	0.22736	0.22521	6.24858489	0.101354784	1.145E-05	0.027227	0.839289	0.07785	0.392539	0.37315924	7.313697

2106	494311.06	3859651.99	0.6876	0.27472	0.55461	0.871	2.01615	0.79384	0.27888	0.27472	7.05540005	0.123636544	1.407E-05	0.045119	0.929748	0.109824	0.481489	0.4551943	8.290037
2107	494361.06	3859651.99	0.69195	0.27059	0.50433	0.85395	2.05614	0.80931	0.27711	0.27059	7.100035	0.121777856	1.279E-05	0.044236	0.94819	0.111964	0.478433	0.44835114	8.356297
2108	494411.06	3859651.99	0.69003	0.26882	0.49231	0.84595	2.08715	0.85539	0.27565	0.26882	7.08033405	0.120981275	1.249E-05	0.043821	0.96249	0.118339	0.475913	0.44541836	8.356472
2109	494461.06	3859651.99	0.68395	0.26864	0.50538	0.84327	2.11301	0.90569	0.27453	0.26864	7.01794774	0.120900267	1.282E-05	0.043683	0.974415	0.125298	0.473979	0.44512011	8.311115
2110	494511.06	3859651.99	0.68251	0.26667	0.49028	0.83344	2.13336	0.95837	0.27311	0.26667	7.00317203	0.120013677	1.244E-05	0.043173	0.9838	0.132586	0.471527	0.44185594	8.312428
2111	494561.06	3859651.99	0.67936	0.26534	0.48524	0.82542	2.1473	1.02254	0.27182	0.26534	6.97085017	0.119415116	1.231E-05	0.042758	0.990228	0.141463	0.4693	0.43965221	8.294375
2112	494611.06	3859651.99	0.67652	0.26387	0.48631	0.81659	2.15521	1.09735	0.27056	0.26387	6.94170919	0.118753549	1.234E-05	0.042301	0.993876	0.151813	0.467125	0.43721651	8.278373
2113	494661.06	3859651.99	0.67933	0.25963	0.47926	0.79944	2.14986	1.20456	0.26827	0.25963	6.97054234	0.116845355	1.216E-05	0.041412	0.991409	0.166645	0.463171	0.43019109	8.319845
2114	494711.06	3859651.99	0.67619	0.25815	0.48105	0.79085	2.14577	1.3127	0.26709	0.25815	6.93832309	0.116179288	1.22E-05	0.040967	0.989523	0.181606	0.461134	0.42773882	8.300005
2115	494761.06	3859651.99	0.67286	0.25725	0.48434	0.7831	2.13893	1.44068	0.266	0.25725	6.90415427	0.115774247	1.229E-05	0.040566	0.986368	0.199311	0.459252	0.42624757	8.27919
2116	494811.06	3859651.99	0.67261	0.2539	0.48148	0.77056	2.11727	2.26123	0.26341	0.2539	6.90158904	0.114266594	1.221E-05	0.039916	0.97638	0.31283	0.45478	0.42069683	8.379077
2117	494861.06	3859651.99	0.66938	0.25203	0.482	0.76172	2.09469	2.96134	0.26183	0.25203	6.86844631	0.113425008	1.223E-05	0.039458	0.965967	0.409687	0.452052	0.41759835	8.431449
2118	494911.06	3859651.99	0.66763	0.24967	0.48021	0.75102	2.06276	1.62959	0.26003	0.24967	6.85048972	0.1123629	1.218E-05	0.038904	0.951243	0.225446	0.448944	0.41368797	8.213713
2119	494961.06	3859651.99	0.66479	0.24762	0.47947	0.7421	2.02779	1.14443	0.2584	0.24762	6.82134875	0.111440307	1.216E-05	0.038442	0.935116	0.158326	0.44613	0.41029125	8.100524
2120	495011.06	3859651.99	0.66267	0.24498	0.47743	0.73293	1.9852	1.07724	0.25574	0.24498	6.79959562	0.110252186	1.211E-05	0.037967	0.915476	0.149031	0.441538	0.40591693	8.047954
2121	495061.06	3859651.99	0.65902	0.24349	0.4771	0.72589	1.94228	1.07149	0.25463	0.24349	6.76214331	0.109581618	1.21E-05	0.037602	0.895683	0.148235	0.439621	0.40344809	7.989431
2122	495111.06	3859651.99	0.65747	0.24101	0.47365	0.71457	1.88811	1.06069	0.25261	0.24101	6.7462389	0.108465505	1.202E-05	0.037016	0.870703	0.146741	0.436134	0.39933888	7.945971
2123	495161.06	3859651.99	0.6546	0.24345	0.47173	0.70586	1.83394	1.03104	0.25086	0.24345	6.7167901	0.109563616	1.197E-05	0.036565	0.845722	0.142639	0.433112	0.40338181	7.881022
2124	495211.06	3859651.99	0.65094	0.24145	0.47059	0.69917	1.77883	0.97318	0.2495	0.24145	6.67923518	0.108663525	1.194E-05	0.036218	0.820308	0.134635	0.430764	0.40006793	7.809768
2125	495261.06	3859651.99	0.64834	0.24157	0.46783	0.69118	1.71672	0.88514	0.24805	0.24157	6.65255682	0.108717531	1.187E-05	0.035804	0.791666	0.122455	0.428261	0.40026677	7.739205
2126	495311.06	3859651.99	0.64513	0.24095	0.46567	0.68465	1.65403	0.78038	0.24662	0.24095	6.6196193	0.108438502	1.181E-05	0.035466	0.762757	0.107962	0.425792	0.39923946	7.660806
2127	495361.06	3859651.99	0.64164	0.23968	0.46375	0.67861	1.59835	0.67683	0.24447	0.23968	6.58380874	0.107866944	1.176E-05	0.035153	0.73708	0.093636	0.42208	0.39713515	7.582501
2128	495411.06	3859651.99	0.63911	0.23854	0.45931	0.66935	1.63525	0.66102	0.24226	0.23854	6.55784864	0.107353892	1.165E-05	0.034673	0.754096	0.091449	0.418264	0.39524624	7.568451
2129	495461.06	3859651.99	0.63893	0.2385	0.45206	0.64545	1.65823	0.63739	0.24171	0.2385	6.55600168	0.10733589	1.147E-05	0.033435	0.764693	0.08818	0.417315	0.39517996	7.571792
2130	495511.06	3859651.99	0.63255	0.23752	0.44576	0.58825	1.68121	0.62288	0.24046	0.23752	6.49053709	0.106894846	1.131E-05	0.030472	0.775291	0.086172	0.415157	0.39355616	7.510979
2131	495561.06	3859651.99	0.62818	0.23459	0.44314	0.5795	1.71342	0.61104	0.23736	0.23459	6.44569692	0.105576212	1.124E-05	0.030019	0.790144	0.084534	0.409804	0.38870133	7.477085
2132	495611.06	3859651.99	0.62275	0.2318	0.43864	0.56772	1.73681	0.5974	0.23439	0.2318	6.38998019	0.104320584	1.113E-05	0.029409	0.800931	0.082647	0.404677	0.38407847	7.427897
2133	495661.06	3859651.99	0.6173	0.22869	0.4334	0.55845	1.75429	0.58343	0.23112	0.22869	6.33405825	0.102920942	1.099E-05	0.028928	0.808991	0.080715	0.399031	0.37892539	7.37573
2134	494311.06	3859701.99	0.69472	0.27191	0.56884	0.8749	1.86854	0.78568	0.27713	0.27191	7.12845771	0.122371916	1.443E-05	0.045321	0.861678	0.108695	0.478468	0.4505383	8.294467
2135	494361.06	3859701.99	0.69407	0.26984	0.54461	0.86736	1.89809	0.82867	0.27551	0.26984	7.12178812	0.121440321	1.382E-05	0.04493	0.875305	0.114642	0.475671	0.44710843	8.306682
2136	494411.06	3859701.99	0.69037	0.26875	0.54038	0.86342	1.94308	0.87239	0.27415	0.26875	7.08382276	0.120949772	1.371E-05	0.044726	0.896052	0.120691	0.473323	0.44530237	8.294276
2137	494461.06	3859701.99	0.68289	0.26906	0.56554	0.86404	1.97999	0.91979	0.27302	0.26906	7.00707117	0.121089286	1.435E-05	0.044758	0.913073	0.127248	0.471372	0.44581602	8.238811
2138	494511.06	3859701.99	0.68075	0.26734	0.54809	0.85613	2.01514	0.96526	0.27156	0.26734	6.98511283	0.120315207	1.39E-05	0.044349	0.929283	0.133539	0.468851	0.44296609	8.238497
2139	494561.06	3859701.99	0.67736	0.26606	0.54017	0.84913	2.04372	1.0224	0.27019	0.26606	6.95032836	0.119739149	1.37E-05	0.043986	0.942462	0.141444	0.466486	0.4408452	8.223614
2140	494611.06	3859701.99	0.67428	0.26466	0.52973	0.84099	2.06743	1.09031	0.26884	0.26466	6.91872476	0.119109085	1.344E-05	0.043564	0.953396	0.150839	0.464155	0.43852549	8.211276
2141	494661.06	3859701.99	0.6787	0.26048	0.46286	0.82279	2.09099	1.20017	0.26707	0.26048	6.96407797	0.117227894	1.174E-05	0.042622	0.964261	0.166038	0.461099	0.43159948	8.283737
2142	494711.06	3859701.99	0.67365	0.25982	0.46783	0.81658	2.10415	1.28179	0.26595	0.25982	6.91226039	0.116930864	1.187E-05	0.0423	0.97033	0.177329	0.459165	0.4305059	8.247821
2143	494761.06	3859701.99	0.6725	0.25714	0.44359	0.80511	2.11129	1.42169	0.26425	0.25714	6.90046034	0.115724742	1.125E-05	0.041706	0.973622	0.196684	0.45623	0.42606531	8.258373
2144	494811.06	3859701.99	0.67155	0.25501	0.44219	0.79322	2.11134	2.28603	0.26257	0.25501	6.89071248	0.114766144	1.122E-05	0.04109	0.973645	0.316261	0.45333	0.42253603	8.36728
2145	494861.06	3859701.99	0.66602	0.25445	0.44713	0.78666	2.10801	2.58574	0.26187	0.25445	6.83396966	0.114514119	1.134E-05	0.04075	0.97211	0.357724	0.452121	0.42160814	8.349592
2146	494911.06	3859701.99	0.66415	0.25257	0.44717	0.77574	2.09689	1.65545	0.26034	0.25257	6.81478177	0.113668033	1.134E-05	0.040184	0.966982	0.229023	0.44948	0.4184931	8.195637
2147	494961.06	3859701.99	0.66214	0.2504	0.44691	0.76495	2.07945	1.16301	0.25876	0.2504	6.79415734	0.112691434	1.134E-05	0.039625	0.958939	0.160897	0.446752	0.41489754	8.098176
2148	495011.06	3859701.99	0.65833	0.24885	0.44854	0.75634	2.05804	1.10037	0.25773	0.24885	6.75506328	0.111993863	1.138E-05	0.039179	0.949066	0.152231	0.444973	0.41232928	8.040189
2149	495061.06	3859701.99	0.65564	0.24703	0.44836	0.74651	2.02987	1.07195	0.25631	0.24703	6.72746144	0.11117478	1.137E-05	0.03867	0.936075	0.148299	0.442522	0.40931365	7.9949
2150	495111.06	3859701.99	0.65302	0.24482	0.44769	0.73703	1.99616	1.03189	0.25398	0.24482	6.70057787	0.110180179	1.136E-05	0.038179	0.92053	0.142757	0.438499	0.40565182	7.945083
2151	495161.06	3859701.99	0.65085	0.24116	0.44609	0.72617	1.95643	0.97019	0.25096	0.24116	6.6783117	0.108533012	1.132E-05	0.037617	0.902208	0.134221	0.433285	0.39958742	7.8946
2152	495211.06	3859701.99	0.64893	0.2382	0.4438	0.71539	1.91074	0.8852	0.24876	0.2382	6.65861075	0.107200877	1.126E-05	0.037058	0.881138	0.122463	0.429487	0.39468288	7.841286
2153	495261.06	3859701.99	0.64382	0.23769	0.44542	0.71005	1.86775	0.79144	0.24857	0.23769	6.60617752	0.106971353	1.13E-05	0.036782	0.861314	0.109492	0.429159	0.39383784	7.756068
2154	495311.06	3859701.99	0.6416	0.23664	0.44296	0.70038	1.81428	0.72171	0.246	0.23664	6.5833983	0.106498805	1.124E-05	0.036281	0.836656	0.099845	0.424721	0.39209806	7.695313
2155	495361.06	3859701.99	0.6391	0.23544	0.4406	0.69225	1.75759	0.70266	0.24367	0.23544	6.55774603	0.105958751	1.118E-05	0.03586	0.810513	0.09721	0.420699	0.39010973	7.637887
2156	495411.06	3859701.99	0.63801	0.23659	0.43614	0.68007	1.69301	0.68109	0.24102	0.23659	6.54656164	0.106476303	1.106E-05	0.035229	0.780732	0.094225	0.416123	0.39201521	7.587343
2157	495461.06	3859701.99	0.63588	0.23807	0.43286	0.66905	1.62821	0.66554	0.24036	0.23807	6.52470591	0.107142371	1.098E-05	0.034658	0.75085	0.092074	0.414984	0.39446748	7.529957
2158	495511.06	3859701.99	0.63729	0.23752	0.4237	0.64819	1.54728	0.64568	0.2424	0.23752	6.53917379	0.106894846	1.075E-05	0.033577	0.713529	0.089327	0.418506	0.39355616	7.507462
2159	495561.06	3859701.99	0.63126	0.23394	0.42526	0.64915	1.58775	0.64156	0.23728	0.23394	6.47730052	0.105283682	1.079E-05	0.033627	0.732191	0.088757	0.409666	0.38762432	7.459212
2160	495611.06	3859701.99	0.6289	0.23207	0.42184	0.63972	1.62143	0.62842	0.2379	0.23207	6.45308477	0.104442097	1.07E-05	0.033138	0.747723	0.086939	0.410737	0.38452585	7.451549
2161	495661.06	3859701.99	0.62682	0.22992	0.41773	0.62143	1.65069	0.61086	0.23275	0.22992	6.43174209	0.103474499	1.06E-05	0.032191	0.761216	0.084509	0.401845	0.38096343	7.434026
2162	494311.06	3859751.99	0.69209	0.27163	0.64316	0.88157	2.00061	0.8096	0.27484	0.27163	7.10147152	0.122245903	1.632E-05	0.045667	0.922582	0.112004	0.474514	0.45007435	8.328426

2163	494361.06	3859751.99	0.69002	0.26991	0.62779	0.87705	1.93744	0.84737	0.27321	0.26991	7.08023145	0.121471825	1.593E-05	0.045432	0.893451	0.117229	0.4717	0.44722442	8.282308
2164	494411.06	3859751.99	0.6889	0.26783	0.60474	0.87021	1.87017	0.88458	0.27155	0.26783	7.06873923	0.12053573	1.534E-05	0.045078	0.86243	0.122377	0.468834	0.44377799	8.244231
2165	494461.06	3859751.99	0.68249	0.26768	0.62215	0.87001	1.81683	0.92505	0.27018	0.26768	7.00296681	0.120468223	1.578E-05	0.045068	0.837832	0.127976	0.466469	0.44352945	8.157266
2166	494511.06	3859751.99	0.67771	0.26688	0.62617	0.86624	1.85841	0.96377	0.26859	0.26688	6.95391967	0.120108186	1.588E-05	0.044872	0.857006	0.133333	0.463723	0.44220389	8.130775
2167	494561.06	3859751.99	0.67533	0.26525	0.6118	0.85902	1.89988	1.01238	0.26714	0.26525	6.92949871	0.119374612	1.552E-05	0.044498	0.87613	0.140058	0.46122	0.43950308	8.131292
2168	494611.06	3859751.99	0.67419	0.26318	0.58834	0.84968	1.93992	1.07335	0.26578	0.26318	6.91780128	0.118443017	1.492E-05	0.044015	0.894595	0.148493	0.458872	0.43607322	8.14616
2169	494661.06	3859751.99	0.67531	0.26	0.53844	0.8361	1.97764	1.15762	0.26437	0.26	6.92929349	0.117011872	1.366E-05	0.043311	0.911989	0.160151	0.456437	0.43080415	8.187404
2170	494711.06	3859751.99	0.67089	0.25939	0.54797	0.83029	2.00483	1.22473	0.26314	0.25939	6.88394028	0.116737344	1.39E-05	0.04301	0.924528	0.169435	0.454314	0.42979342	8.162186
2171	494761.06	3859751.99	0.66738	0.25811	0.54128	0.82188	2.02674	1.35436	0.26186	0.25811	6.8479245	0.116161286	1.373E-05	0.042575	0.934632	0.187369	0.452104	0.42767254	8.153106
2172	494811.06	3859751.99	0.66572	0.25622	0.52097	0.81077	2.0466	2.1839	0.26052	0.25622	6.83089139	0.1153107	1.322E-05	0.041999	0.94379	0.302132	0.44979	0.42454092	8.259386
2173	494861.06	3859751.99	0.66271	0.25476	0.51052	0.80102	2.05882	2.8282	0.25928	0.25476	6.80000606	0.114653633	1.295E-05	0.041494	0.949426	0.391268	0.44765	0.42212179	8.322388
2174	494911.06	3859751.99	0.6598	0.25328	0.49908	0.79094	2.06573	1.70394	0.25809	0.25328	6.77014682	0.113987565	1.266E-05	0.040972	0.952612	0.235732	0.445595	0.41966952	8.139388
2175	494961.06	3859751.99	0.65688	0.2518	0.48778	0.78068	2.06698	1.2394	0.25692	0.2518	6.74018497	0.113321498	1.237E-05	0.04044	0.953189	0.171465	0.443575	0.41721725	8.04497
2176	495011.06	3859751.99	0.65428	0.25013	0.47394	0.76999	2.06304	1.09746	0.25578	0.25013	6.71350661	0.112569921	1.202E-05	0.039887	0.951372	0.151828	0.441607	0.41445016	7.996332
2177	495061.06	3859751.99	0.65051	0.24888	0.46868	0.7604	2.05234	1.04446	0.25473	0.24888	6.67482299	0.112007364	1.189E-05	0.03939	0.946437	0.144496	0.439794	0.41237899	7.94458
2178	495111.06	3859751.99	0.64786	0.24726	0.45539	0.74984	2.03725	0.97868	0.25361	0.24726	6.64763158	0.11127829	1.155E-05	0.038843	0.939479	0.135396	0.43786	0.40969475	7.900804
2179	495161.06	3859751.99	0.64563	0.24467	0.43931	0.73901	2.01672	0.89675	0.25195	0.24467	6.62474976	0.110112672	1.114E-05	0.038282	0.930011	0.124061	0.434994	0.40540328	7.856818
2180	495211.06	3859751.99	0.64362	0.24285	0.42211	0.72823	1.99048	0.80313	0.2504	0.24285	6.60412533	0.109293589	1.071E-05	0.037723	0.917911	0.111109	0.432318	0.40238765	7.810103
2181	495261.06	3859751.99	0.64005	0.24152	0.4215	0.71907	1.95904	0.77794	0.24944	0.24152	6.56749389	0.108695028	1.069E-05	0.037249	0.903412	0.107624	0.430661	0.40018392	7.754961
2182	495311.06	3859751.99	0.6376	0.23894	0.42051	0.70925	1.92236	0.75976	0.24797	0.23894	6.54235467	0.107533911	1.067E-05	0.03674	0.886497	0.105109	0.428123	0.39590902	7.710459
2183	495361.06	3859751.99	0.6348	0.2369	0.41961	0.69972	1.88106	0.74111	0.24621	0.2369	6.51362413	0.106615817	1.064E-05	0.036246	0.867451	0.102529	0.425084	0.39252886	7.659033
2184	495411.06	3859751.99	0.63195	0.2338	0.41846	0.69069	1.83544	0.7263	0.24403	0.2338	6.48438054	0.105220676	1.062E-05	0.035779	0.846414	0.10048	0.42132	0.38739235	7.606212
2185	495461.06	3859751.99	0.63081	0.23056	0.41482	0.67844	1.78271	0.70163	0.23822	0.23056	6.47268311	0.103762528	1.052E-05	0.035144	0.822097	0.097067	0.411289	0.38202387	7.56003
2186	495511.06	3859751.99	0.62977	0.23184	0.41074	0.66695	1.7243	0.67786	0.23686	0.23184	6.46201176	0.104338586	1.042E-05	0.034549	0.795162	0.093779	0.408941	0.38414475	7.514646
2187	495561.06	3859751.99	0.62712	0.23154	0.40853	0.6562	1.66602	0.66274	0.23597	0.23154	6.43482036	0.104203573	1.036E-05	0.033992	0.768286	0.091687	0.407405	0.38364767	7.456756
2188	495611.06	3859751.99	0.62446	0.23062	0.40614	0.64666	1.60494	0.65046	0.23447	0.23062	6.40752634	0.103789531	1.03E-05	0.033498	0.740119	0.089988	0.404815	0.38212328	7.397622
2189	495661.06	3859751.99	0.62086	0.22854	0.40477	0.6404	1.54436	0.64073	0.23208	0.22854	6.37058708	0.102853436	1.027E-05	0.033174	0.712182	0.088642	0.400688	0.37867685	7.32946
2190	494311.06	3859801.99	0.68792	0.27026	0.67388	0.872	2.06405	0.82553	0.27149	0.27026	7.05868354	0.121629341	1.709E-05	0.045171	0.951837	0.114208	0.46873	0.44780435	8.312472
2191	494361.06	3859801.99	0.68751	0.26788	0.65098	0.86662	2.0312	0.8564	0.26977	0.26788	7.05447657	0.120558232	1.651E-05	0.044892	0.936689	0.118479	0.465761	0.44386083	8.297011
2192	494411.06	3859801.99	0.68743	0.26543	0.62449	0.85976	1.98943	0.88621	0.26804	0.26543	7.05365569	0.11945562	1.584E-05	0.044537	0.917426	0.122603	0.462774	0.43980133	8.280666
2193	494461.06	3859801.99	0.68146	0.26514	0.63965	0.85986	1.9182	0.91657	0.26665	0.26514	6.99239808	0.119325107	1.623E-05	0.044542	0.884579	0.126803	0.460374	0.43932082	8.188716
2194	494511.06	3859801.99	0.67494	0.26495	0.65648	0.85869	1.84135	0.9432	0.26492	0.26495	6.92549696	0.119239598	1.665E-05	0.044481	0.849139	0.130487	0.457387	0.439006	8.087242
2195	494561.06	3859801.99	0.67236	0.26339	0.64674	0.85283	1.77819	0.98353	0.26335	0.26339	6.89902382	0.118537527	1.641E-05	0.044178	0.820013	0.136067	0.454676	0.43642118	8.03609
2196	494611.06	3859801.99	0.67347	0.26058	0.61127	0.84275	1.78416	1.04029	0.26209	0.26058	6.91041342	0.117272899	1.551E-05	0.043656	0.822766	0.143919	0.452501	0.43176518	8.058778
2197	494661.06	3859801.99	0.67141	0.25886	0.59674	0.83513	1.82839	1.09638	0.26069	0.25886	6.88927596	0.11649882	1.514E-05	0.043261	0.843163	0.151679	0.450084	0.42891524	8.065061
2198	494711.06	3859801.99	0.67031	0.25679	0.57463	0.82553	1.87105	1.20967	0.25937	0.25679	6.87798896	0.115567226	1.458E-05	0.042764	0.862835	0.167352	0.447805	0.42548538	8.088841
2199	494761.06	3859801.99	0.66392	0.25653	0.59026	0.8213	1.89865	1.35996	0.25787	0.25653	6.81242176	0.115450214	1.497E-05	0.042544	0.875563	0.188144	0.445215	0.42505457	8.054299
2200	494811.06	3859801.99	0.66169	0.25484	0.57573	0.81194	1.93138	2.13075	0.25661	0.25484	6.78953993	0.114689637	1.461E-05	0.04206	0.890657	0.294779	0.44304	0.42225435	8.152525
2201	494861.06	3859801.99	0.6582	0.25357	0.56984	0.80329	1.9561	2.90701	0.25537	0.25357	6.75372937	0.114118079	1.446E-05	0.041612	0.902056	0.402171	0.440899	0.42015004	8.234449
2202	494911.06	3859801.99	0.65643	0.25175	0.55161	0.79246	1.98126	1.7421	0.2544	0.25175	6.73556756	0.113298995	1.399E-05	0.041051	0.913659	0.241011	0.439224	0.41713441	8.066691
2203	494961.06	3859801.99	0.65338	0.25032	0.5421	0.78265	1.99806	1.22622	0.2532	0.25032	6.70427179	0.11265543	1.375E-05	0.040542	0.921406	0.169642	0.437152	0.41476498	7.970918
2204	495011.06	3859801.99	0.65059	0.24883	0.53067	0.77221	2.01049	1.07166	0.25206	0.24883	6.67564386	0.111984862	1.346E-05	0.040002	0.927138	0.148259	0.435184	0.41229614	7.925929
2205	495061.06	3859801.99	0.64706	0.24756	0.5241	0.76216	2.0158	0.99575	0.25097	0.24756	6.63942286	0.111413304	1.33E-05	0.039481	0.929587	0.137757	0.433302	0.41019183	7.880785
2206	495111.06	3859801.99	0.64491	0.24585	0.50796	0.75071	2.01954	0.91066	0.24984	0.24585	6.6173619	0.110643726	1.289E-05	0.038888	0.931312	0.125985	0.431351	0.40735847	7.848196
2207	495161.06	3859801.99	0.6425	0.24418	0.49332	0.73958	2.01685	0.84809	0.2488	0.24418	6.59263312	0.10989215	1.251E-05	0.038311	0.930071	0.117329	0.429556	0.40459138	7.813214
2208	495211.06	3859801.99	0.63897	0.24289	0.48649	0.72946	2.00654	0.82203	0.24781	0.24289	6.55641211	0.109311591	1.234E-05	0.037787	0.925317	0.113724	0.427846	0.40245393	7.767956
2209	495261.06	3859801.99	0.63673	0.24099	0.47062	0.71835	1.99323	0.79845	0.24676	0.24099	6.53342768	0.108456504	1.194E-05	0.037212	0.919179	0.110462	0.426034	0.39930574	7.735476
2210	495311.06	3859801.99	0.63294	0.23964	0.46528	0.70866	1.97235	0.77935	0.24584	0.23964	6.49453884	0.107848942	1.18E-05	0.03671	0.90955	0.107819	0.424445	0.39706887	7.683855
2211	495361.06	3859801.99	0.63032	0.2379	0.45214	0.69828	1.94789	0.76262	0.24417	0.2379	6.46765526	0.107065863	1.147E-05	0.036172	0.89827	0.105505	0.421562	0.3941858	7.642056
2212	495411.06	3859801.99	0.62837	0.23481	0.43456	0.68759	1.91852	0.74455	0.24273	0.23481	6.44764649	0.105675222	1.102E-05	0.035618	0.884726	0.103005	0.419076	0.38906586	7.606692
2213	495461.06	3859801.99	0.62553	0.23325	0.42307	0.67789	1.88354	0.72983	0.24118	0.23325	6.41850552	0.104973151	1.073E-05	0.035116	0.868595	0.100968	0.4164	0.38648103	7.558087
2214	495511.06	3859801.99	0.62448	0.23012	0.40034	0.66619	1.84288	0.71377	0.23804	0.23012	6.40773156	0.103564508	1.016E-05	0.03451	0.849845	0.098747	0.410978	0.38129481	7.524091
2215	495561.06	3859801.99	0.62111	0.22619	0.39266	0.65756	1.79886	0.70238	0.23565	0.22619	6.3731523	0.101795828	9.961E-06	0.034063	0.829545	0.097171	0.406852	0.37478304	7.467805
2216	495611.06	3859801.99	0.6163	0.22615	0.39416	0.65045	1.7528	0.69352	0.23633	0.22615	6.32379734	0.101777826	9.999E-06	0.033694	0.808304	0.095945	0.408026	0.37471677	7.396838
2217	495661.06	3859801.99	0.61479	0.2248	0.39047	0.63871	1.69941	0.67564	0.22987	0.2248	6.30830337	0.101170265	9.905E-06	0.033086	0.783684	0.093471	0.396873	0.3724799	7.344118
2218	494311.06	3859851.99	0.68456	0.26739	0.64545	0.84152	2.0743	0.83059	0.26715	0.26739	7.02420689	0.12033771	1.637E-05	0.043592	0.956564	0.114908	0.461237	0.44304893	8.277813
2219	494361.06	3859851.99	0.68308	0.26543	0.63528	0.83878	2.05876	0.85416	0.26566	0.26543	7.00902075	0.11945562	1.612E-05	0.04345	0.949398	0.118169	0.458665	0.43980133	8.258373

2220	494411.06	3859851.99	0.68218	0.26327	0.62051	0.83498	2.03986	0.87402	0.26414	0.26327	6.99978593	0.118483521	1.574E-05	0.043253	0.940682	0.120916	0.45604	0.43622234	8.242955
2221	494461.06	3859851.99	0.67989	0.26163	0.6134	0.83174	2.00256	0.89598	0.26265	0.26163	6.97628845	0.117745447	1.556E-05	0.043085	0.923481	0.123954	0.453468	0.43350496	8.204533
2222	494511.06	3859851.99	0.67483	0.261	0.62268	0.83042	1.94226	0.92013	0.26105	0.261	6.92436826	0.117461918	1.58E-05	0.043017	0.895674	0.127295	0.450705	0.43246109	8.126077
2223	494561.06	3859851.99	0.66905	0.26058	0.63505	0.82836	1.87314	0.93875	0.25935	0.26058	6.86506021	0.117272899	1.611E-05	0.04291	0.863799	0.129871	0.44777	0.43176518	8.034935
2224	494611.06	3859851.99	0.67056	0.25764	0.60382	0.82034	1.84336	0.98949	0.2581	0.25764	6.88055418	0.115949764	1.532E-05	0.042495	0.850066	0.136891	0.445612	0.42689378	8.04469
2225	494661.06	3859851.99	0.66602	0.25679	0.60838	0.81646	1.77593	1.09652	0.25654	0.25679	6.83396966	0.115567226	1.543E-05	0.042294	0.818971	0.151698	0.442919	0.42548538	7.979949
2226	494711.06	3859851.99	0.66553	0.25457	0.58716	0.80842	1.71966	1.22139	0.25523	0.25457	6.82894182	0.114568124	1.489E-05	0.041877	0.793022	0.168973	0.440657	0.42180697	7.966247
2227	494761.06	3859851.99	0.65963	0.25414	0.59945	0.80423	1.74384	1.35714	0.25351	0.25414	6.76840246	0.114374605	1.521E-05	0.04166	0.804172	0.187754	0.437688	0.42109449	7.932972
2228	494811.06	3859851.99	0.65705	0.25261	0.59044	0.79679	1.78493	2.09296	0.25232	0.25261	6.74192932	0.113686035	1.498E-05	0.041275	0.823121	0.289551	0.435633	0.41855937	8.206651
2229	494861.06	3859851.99	0.65301	0.25155	0.59004	0.78972	1.81767	2.99865	0.25072	0.25155	6.70047526	0.113208986	1.497E-05	0.040909	0.838219	0.414849	0.432871	0.41680302	8.123743
2230	494911.06	3859851.99	0.65101	0.24985	0.5766	0.7807	1.85426	1.81166	0.24967	0.24985	6.67995344	0.112443909	1.463E-05	0.040441	0.855093	0.250634	0.431058	0.41398622	7.955652
2231	494961.06	3859851.99	0.64795	0.24846	0.56933	0.77177	1.88308	1.19407	0.24851	0.24846	6.64855506	0.111818345	1.444E-05	0.039979	0.868383	0.165194	0.429055	0.41168308	7.851315
2232	495011.06	3859851.99	0.64496	0.24706	0.56126	0.76252	1.90823	1.06768	0.24744	0.24706	6.61787495	0.111188281	1.424E-05	0.0395	0.879981	0.147708	0.427208	0.40936336	7.814111
2233	495061.06	3859851.99	0.64132	0.24586	0.55699	0.75331	1.92626	0.97001	0.24626	0.24586	6.58052525	0.110648226	1.413E-05	0.039023	0.888295	0.134196	0.42517	0.40737504	7.770497
2234	495111.06	3859851.99	0.63936	0.24412	0.54158	0.74262	1.94707	0.89492	0.24536	0.24412	6.56041387	0.109865147	1.374E-05	0.038469	0.897892	0.123808	0.423617	0.40449196	7.749586
2235	495161.06	3859851.99	0.63658	0.24266	0.53116	0.73207	1.95976	0.86515	0.24472	0.24266	6.53188854	0.10920808	1.347E-05	0.037922	0.903744	0.119689	0.422512	0.40207283	7.722904
2236	495211.06	3859851.99	0.63353	0.24127	0.52223	0.7217	1.96663	0.84077	0.24376	0.24127	6.50059278	0.108582517	1.325E-05	0.037385	0.906912	0.116316	0.420854	0.39976968	7.690887
2237	495261.06	3859851.99	0.63075	0.23981	0.51132	0.71112	1.96955	0.8208	0.24279	0.23981	6.47206745	0.10792545	1.297E-05	0.036837	0.908259	0.113554	0.419179	0.39735055	7.660484
2238	495311.06	3859851.99	0.62717	0.23859	0.50544	0.70092	1.96482	0.80257	0.24186	0.23859	6.4353334	0.107376395	1.282E-05	0.036309	0.906077	0.111032	0.417574	0.39532909	7.618385
2239	495361.06	3859851.99	0.62399	0.23725	0.49674	0.69054	1.95648	0.78731	0.241	0.23725	6.40270372	0.106773333	1.26E-05	0.035771	0.902231	0.10892	0.416089	0.39310879	7.579393
2240	495411.06	3859851.99	0.62173	0.23554	0.48208	0.67962	1.94552	0.76912	0.24006	0.23554	6.37951407	0.106003755	1.223E-05	0.035205	0.897177	0.106404	0.414466	0.39027542	7.548507
2241	495461.06	3859851.99	0.61932	0.23381	0.4679	0.66903	1.92867	0.74971	0.23912	0.23381	6.35478528	0.105225176	1.187E-05	0.034657	0.889407	0.103719	0.412843	0.38740892	7.513239
2242	495511.06	3859851.99	0.61747	0.23093	0.45009	0.65821	1.90685	0.73424	0.23784	0.23093	6.3358026	0.103929045	1.142E-05	0.034096	0.879345	0.101579	0.410633	0.38263694	7.482759
2243	495561.06	3859851.99	0.61347	0.2296	0.44657	0.6493	1.87716	0.72336	0.237	0.2296	6.29475897	0.103330484	1.133E-05	0.033635	0.865653	0.100073	0.409183	0.38043321	7.426211
2244	495611.06	3859851.99	0.60972	0.22839	0.44121	0.64046	1.84356	0.7134	0.23547	0.22839	6.25628057	0.102785929	1.119E-05	0.033177	0.850158	0.098695	0.406541	0.37842831	7.369221
2245	495661.06	3859851.99	0.6078	0.22471	0.42414	0.63057	1.80678	0.70044	0.23347	0.22471	6.23657962	0.101129761	1.076E-05	0.032664	0.833197	0.096902	0.403088	0.37233077	7.331242
2246	494311.06	3859901.99	0.67994	0.26431	0.58037	0.7943	2.03697	0.82321	0.26297	0.26431	6.9768015	0.118951569	1.472E-05	0.041146	0.939349	0.113887	0.45402	0.43794556	8.206225
2247	494361.06	3859901.99	0.68059	0.26145	0.5643	0.79102	2.06238	0.83532	0.26123	0.26145	6.98347109	0.117664438	1.432E-05	0.040976	0.951067	0.115562	0.451016	0.43320671	8.226565
2248	494411.06	3859901.99	0.67647	0.26047	0.57138	0.7913	2.03309	0.84392	0.25982	0.26047	6.94119615	0.117223394	1.449E-05	0.04099	0.93756	0.116752	0.448582	0.43158291	8.170736
2249	494461.06	3859901.99	0.67398	0.25892	0.56944	0.78972	2.01484	0.85998	0.2583	0.25892	6.91564649	0.116525823	1.445E-05	0.040909	0.929144	0.118974	0.445958	0.42901466	8.138156
2250	494511.06	3859901.99	0.67011	0.25785	0.57402	0.78857	1.97725	0.87537	0.25682	0.25785	6.87593678	0.116044274	1.456E-05	0.040849	0.91181	0.121103	0.443402	0.42724173	8.081918
2251	494561.06	3859901.99	0.66317	0.25785	0.59277	0.78806	1.90627	0.91559	0.2553	0.25785	6.80472608	0.116044274	1.504E-05	0.040823	0.879077	0.126667	0.440778	0.42724173	7.980889
2252	494611.06	3859901.99	0.66501	0.25483	0.56767	0.78279	1.9119	0.9963	0.25403	0.25483	6.82360615	0.114685136	1.44E-05	0.04055	0.881673	0.137833	0.438585	0.42223778	8.014709
2253	494661.06	3859901.99	0.65878	0.25454	0.58265	0.78094	1.84174	1.09971	0.25236	0.25454	6.75968069	0.114554623	1.478E-05	0.040454	0.849319	0.152139	0.435702	0.42175727	7.930107
2254	494711.06	3859901.99	0.66027	0.25169	0.55668	0.77454	1.82558	1.20755	0.25128	0.25169	6.77496944	0.113271993	1.412E-05	0.040122	0.841867	0.167059	0.433837	0.41703499	7.954106
2255	494761.06	3859901.99	0.65517	0.25105	0.56531	0.77115	1.75997	1.33507	0.2498	0.25105	6.72263882	0.112983963	1.434E-05	0.039947	0.811611	0.1847	0.431282	0.41597455	7.887203
2256	494811.06	3859901.99	0.64998	0.25042	0.57367	0.76674	1.69109	2.11353	0.24821	0.25042	6.66938471	0.112700435	1.455E-05	0.039718	0.779847	0.292397	0.428537	0.41493068	7.907668
2257	494861.06	3859901.99	0.64611	0.24933	0.57453	0.76113	1.65604	2.57827	0.24674	0.24933	6.62967499	0.112209885	1.457E-05	0.039428	0.763683	0.356691	0.425999	0.41312461	7.914576
2258	494911.06	3859901.99	0.64413	0.24766	0.56502	0.75449	1.70088	1.78859	0.24561	0.24766	6.6093584	0.111458309	1.433E-05	0.039084	0.784361	0.247443	0.424048	0.41035753	7.805409
2259	494961.06	3859901.99	0.64048	0.2465	0.56387	0.74772	1.73583	1.2148	0.24422	0.2465	6.57190608	0.110936256	1.43E-05	0.038733	0.800479	0.168062	0.421648	0.40843548	7.703343
2260	495011.06	3859901.99	0.63801	0.24497	0.55585	0.73995	1.77305	1.09136	0.24299	0.24497	6.54656164	0.110247686	1.41E-05	0.03833	0.817643	0.150984	0.419525	0.40590036	7.677405
2261	495061.06	3859901.99	0.635	0.24361	0.55024	0.73182	1.80484	0.99227	0.24173	0.24361	6.51567631	0.109635624	1.396E-05	0.037909	0.832303	0.137276	0.417349	0.40364692	7.646516
2262	495111.06	3859901.99	0.63302	0.24194	0.53843	0.72284	1.83791	0.91094	0.24087	0.24194	6.49535971	0.108884047	1.366E-05	0.037444	0.847553	0.126024	0.415864	0.40087983	7.630263
2263	495161.06	3859901.99	0.63068	0.24039	0.52799	0.71333	1.86564	0.87723	0.23999	0.24039	6.47134919	0.108186477	1.339E-05	0.036951	0.860341	0.12136	0.414345	0.39831158	7.614235
2264	495211.06	3859901.99	0.62658	0.23937	0.52761	0.70465	1.88072	0.85006	0.23884	0.23937	6.42927947	0.10772743	1.338E-05	0.036502	0.867295	0.117602	0.41236	0.3966215	7.574157
2265	495261.06	3859901.99	0.62491	0.23761	0.51231	0.69443	1.90346	0.83093	0.23825	0.23761	6.41214375	0.10693535	1.3E-05	0.035972	0.877781	0.114955	0.411341	0.39370529	7.565437
2266	495311.06	3859901.99	0.62075	0.2366	0.51175	0.68533	1.91002	0.81131	0.23721	0.2366	6.36945838	0.106480804	1.298E-05	0.035501	0.880806	0.112241	0.409545	0.39203178	7.522014
2267	495361.06	3859901.99	0.61788	0.2352	0.50302	0.67526	1.9181	0.79579	0.23657	0.2352	6.34000957	0.10585074	1.276E-05	0.034979	0.884533	0.110094	0.408441	0.38971206	7.494207
2268	495411.06	3859901.99	0.61561	0.23364	0.49033	0.66462	1.92406	0.78262	0.23612	0.23364	6.31671731	0.105148668	1.244E-05	0.034428	0.887281	0.108272	0.407664	0.38712724	7.472396
2269	495461.06	3859901.99	0.61284	0.23222	0.48047	0.65452	1.92283	0.7704	0.23529	0.23222	6.2882946	0.104509604	1.219E-05	0.033905	0.886714	0.106581	0.406231	0.38477439	7.441472
2270	495511.06	3859901.99	0.60892	0.23115	0.47738	0.64499	1.91255	0.75853	0.23449	0.23115	6.24807184	0.104028055	1.211E-05	0.033411	0.881973	0.104939	0.404849	0.38300146	7.394283
2271	495561.06	3859901.99	0.60506	0.23006	0.47388	0.63563	1.89775	0.74787	0.23375	0.23006	6.20846474	0.103537505	1.202E-05	0.032927	0.875148	0.103464	0.403572	0.3811954	7.345929
2272	495611.06	3859901.99	0.60258	0.22851	0.46169	0.62566	1.88304	0.73696	0.23295	0.22851	6.18301769	0.102839934	1.171E-05	0.03241	0.868365	0.101955	0.402191	0.37862714	7.312162
2273	495661.06	3859901.99	0.60036	0.22637	0.44742	0.61565	1.86338	0.71738	0.23194	0.22637	6.16023847	0.101876837	1.135E-05	0.031892	0.859298	0.099246	0.400447	0.37508129	7.277928
2274	494311.06	3859951.99	0.67194	0.26224	0.5789	0.73561	1.78736	0.80214	0.2587	0.26224	6.89471424	0.118019974	1.469E-05	0.038106	0.824242	0.110972	0.446648	0.4345157	7.998201
2275	494361.06	3859951.99	0.67062	0.26002	0.56657	0.73508	1.78292	0.80278	0.25743	0.26002	6.88116984	0.117020873	1.437E-05	0.038078	0.822194	0.111061	0.444456	0.43083729	7.983156
2276	494411.06	3859951.99	0.66878	0.25807	0.55459	0.73481	1.77421	0.79991	0.25604	0.25807	6.86228977	0.116143284	1.407E-05	0.038064	0.818178	0.110664	0.442056	0.42760626	7.959802

2277	494461.06	3859951.99	0.66616	0.25648	0.54332	0.73468	1.97682	0.81081	0.25464	0.25648	6.83540619	0.115427711	1.378E-05	0.038057	0.911611	0.112172	0.439639	0.42497173	8.027355
2278	494511.06	3859951.99	0.66214	0.25545	0.53356	0.73503	1.95238	0.84572	0.25318	0.25545	6.79415734	0.114964164	1.354E-05	0.038076	0.900341	0.117001	0.437118	0.42326508	7.978405
2279	494561.06	3859951.99	0.65424	0.25583	0.52772	0.7357	1.72709	0.92729	0.25082	0.25583	6.71309617	0.115135182	1.339E-05	0.03811	0.796448	0.128286	0.433043	0.42389472	7.800238
2280	494611.06	3859951.99	0.65522	0.25301	0.51405	0.73344	1.90316	0.99326	0.25036	0.25301	6.72315186	0.113866053	1.304E-05	0.037993	0.877643	0.137413	0.432249	0.41922215	7.903107
2281	494661.06	3859951.99	0.64938	0.25265	0.52724	0.73235	1.67632	1.07883	0.24857	0.25265	6.66322816	0.113704037	1.337E-05	0.037937	0.773036	0.149251	0.429159	0.41862565	7.747702
2282	494711.06	3859951.99	0.64973	0.25012	0.51432	0.72949	1.84992	1.1648	0.24745	0.25012	6.66681948	0.112565421	1.305E-05	0.037789	0.853091	0.161144	0.427225	0.4144336	7.844214
2283	494761.06	3859951.99	0.64563	0.24916	0.5195	0.72705	1.8039	1.26643	0.24612	0.24916	6.62474976	0.112133377	1.318E-05	0.037662	0.831869	0.175204	0.424929	0.41284293	7.793718
2284	494811.06	3859951.99	0.64206	0.24802	0.52195	0.72384	1.75874	2.16174	0.24472	0.24802	6.58811832	0.111620325	1.324E-05	0.037496	0.811044	0.299066	0.422512	0.41095402	7.858915
2285	494861.06	3859951.99	0.63718	0.24728	0.52954	0.72014	1.70039	2.61754	0.24338	0.24728	6.53804509	0.111287291	1.343E-05	0.037304	0.784135	0.362124	0.420198	0.40972789	7.84338
2286	494911.06	3859951.99	0.6353	0.2456	0.52374	0.71589	1.66286	1.64101	0.24198	0.2456	6.51875458	0.110531215	1.329E-05	0.037084	0.766828	0.227026	0.417781	0.40694423	7.671074
2287	494961.06	3859951.99	0.63298	0.24407	0.51909	0.71106	1.61655	1.25042	0.24076	0.24407	6.49494928	0.109842645	1.317E-05	0.036834	0.745473	0.172989	0.415675	0.40440911	7.571367
2288	495011.06	3859951.99	0.63023	0.24269	0.5158	0.70576	1.622	1.12028	0.23953	0.24269	6.46673178	0.109221582	1.308E-05	0.036559	0.747986	0.154985	0.413551	0.40212254	7.526925
2289	495061.06	3859951.99	0.62679	0.24152	0.51529	0.69994	1.65857	1.0196	0.23826	0.24152	6.43143426	0.108695028	1.307E-05	0.036258	0.76485	0.141057	0.411358	0.40018392	7.493481
2290	495111.06	3859951.99	0.62469	0.23994	0.50776	0.69354	1.70062	0.93509	0.23726	0.23994	6.40988635	0.107983956	1.288E-05	0.035926	0.784242	0.129365	0.409632	0.39756596	7.479482
2291	495161.06	3859951.99	0.62242	0.23842	0.50051	0.68643	1.7386	0.88614	0.23618	0.23842	6.38659409	0.107299887	1.27E-05	0.035558	0.801756	0.122593	0.407767	0.39504741	7.466534
2292	495211.06	3859951.99	0.61999	0.23692	0.49323	0.67861	1.77284	0.86135	0.23504	0.23692	6.36166009	0.106624818	1.251E-05	0.035153	0.817546	0.119164	0.405799	0.392562	7.453397
2293	495261.06	3859951.99	0.61684	0.23567	0.48944	0.6708	1.79984	0.83947	0.23404	0.23567	6.32933823	0.106062261	1.242E-05	0.034748	0.829997	0.116137	0.404072	0.39049083	7.429876
2294	495311.06	3859951.99	0.61232	0.2348	0.49256	0.66316	1.81542	0.81897	0.23273	0.2348	6.28295893	0.105670721	1.25E-05	0.034353	0.837182	0.1133	0.401811	0.38904929	7.386238
2295	495361.06	3859951.99	0.6088	0.23366	0.49013	0.6548	1.83285	0.80231	0.23208	0.23366	6.24684053	0.105157669	1.243E-05	0.03392	0.845219	0.110996	0.400688	0.38716038	7.355673
2296	495411.06	3859951.99	0.60631	0.2322	0.48152	0.64552	1.85238	0.78862	0.23136	0.2322	6.22129087	0.104500603	1.222E-05	0.033439	0.854226	0.109102	0.399445	0.38474125	7.337274
2297	495461.06	3859951.99	0.6034	0.23087	0.4749	0.63642	1.86528	0.77576	0.23085	0.23087	6.19143163	0.103902042	1.205E-05	0.032967	0.860175	0.107323	0.398565	0.38253752	7.311838
2298	495511.06	3859951.99	0.60056	0.22951	0.46749	0.62717	1.87398	0.7643	0.23017	0.22951	6.16229065	0.10328998	1.186E-05	0.032488	0.864187	0.105737	0.397391	0.38028408	7.285111
2299	495561.06	3859951.99	0.59564	0.22877	0.47166	0.61873	1.86747	0.75248	0.22916	0.22877	6.11180699	0.102956946	1.196E-05	0.032051	0.861184	0.104102	0.395647	0.37905795	7.228702
2300	495611.06	3859951.99	0.59304	0.22735	0.46245	0.60916	1.86891	0.74324	0.22884	0.22735	6.08512863	0.102317881	1.173E-05	0.031555	0.861849	0.102824	0.395095	0.37670509	7.202075
2301	495661.06	3859951.99	0.59105	0.22574	0.44912	0.59929	1.86831	0.73509	0.22862	0.22574	6.06470942	0.101593308	1.139E-05	0.031044	0.861572	0.101696	0.394715	0.37403742	7.181303
2302	494311.06	3860001.99	0.66166	0.26901	0.59023	0.671	1.79987	0.76751	0.27165	0.26901	6.78923211	0.121066784	1.497E-05	0.034759	0.830011	0.106181	0.469006	0.44573317	7.904538
2303	494361.06	3860001.99	0.65929	0.26198	0.58263	0.67212	1.77776	0.75704	0.26426	0.26198	6.76491376	0.117902963	1.478E-05	0.034817	0.819815	0.104733	0.456248	0.43408489	7.864358
2304	494411.06	3860001.99	0.65886	0.25658	0.57307	0.67187	1.75132	0.75158	0.25236	0.25658	6.76050157	0.115472716	1.454E-05	0.034804	0.807622	0.103977	0.435702	0.42513742	7.832957
2305	494461.06	3860001.99	0.65521	0.25528	0.56587	0.67353	1.74675	0.79957	0.25085	0.25528	6.72304925	0.114887657	1.435E-05	0.03489	0.805514	0.110617	0.433095	0.4229834	7.799084
2306	494511.06	3860001.99	0.65332	0.25339	0.55686	0.67408	1.74041	0.85503	0.24978	0.25339	6.70365614	0.11403707	1.413E-05	0.034918	0.802591	0.118289	0.431248	0.41985179	7.784901
2307	494561.06	3860001.99	0.64356	0.25424	0.55347	0.67627	1.73163	0.91812	0.25029	0.25424	6.60350968	0.114419609	1.404E-05	0.035032	0.798542	0.127017	0.432128	0.42126018	7.689402
2308	494611.06	3860001.99	0.64214	0.25229	0.54403	0.67646	1.7176	0.97325	0.2456	0.25229	6.58893919	0.11354202	1.38E-05	0.035042	0.792072	0.134644	0.424031	0.41802915	7.670255
2309	494661.06	3860001.99	0.63849	0.25109	0.53578	0.67625	1.70022	1.03681	0.24409	0.25109	6.55148688	0.113001965	1.359E-05	0.035031	0.784057	0.143438	0.421424	0.41604083	7.632411
2310	494711.06	3860001.99	0.64133	0.24774	0.52236	0.67549	1.67783	1.11426	0.24462	0.24774	6.58062786	0.111494312	1.325E-05	0.034991	0.773732	0.154152	0.422339	0.41049008	7.66686
2311	494761.06	3860001.99	0.63448	0.24775	0.51658	0.67528	1.65448	1.25941	0.24245	0.24775	6.51034064	0.111498813	1.31E-05	0.03498	0.762964	0.174233	0.418592	0.41050665	7.602116
2312	494811.06	3860001.99	0.63029	0.24678	0.50836	0.67392	1.62721	2.25709	0.24083	0.24678	6.46734744	0.111062268	1.29E-05	0.03491	0.750388	0.312257	0.415795	0.40889942	7.682874
2313	494861.06	3860001.99	0.62554	0.24598	0.50041	0.67148	1.59725	2.60574	0.2391	0.24598	6.41860812	0.110702232	1.269E-05	0.034784	0.736572	0.360491	0.412809	0.40757387	7.666405
2314	494911.06	3860001.99	0.62745	0.24308	0.48709	0.67034	1.7347	1.4253	0.23943	0.24308	6.43820646	0.1093971	1.236E-05	0.034725	0.799958	0.197183	0.413378	0.40276874	7.590091
2315	494961.06	3860001.99	0.62304	0.24227	0.47898	0.66769	1.52815	1.27341	0.2381	0.24227	6.39295586	0.109032563	1.215E-05	0.034587	0.704707	0.17617	0.411082	0.40142662	7.42712
2316	495011.06	3860001.99	0.62072	0.24077	0.46885	0.66463	1.64876	1.14198	0.23693	0.24077	6.36915055	0.108357494	1.189E-05	0.034429	0.760326	0.157987	0.409062	0.39894122	7.440383
2317	495061.06	3860001.99	0.61608	0.24	0.46141	0.66082	1.59119	1.04188	0.23566	0.24	6.32153994	0.108010959	1.17E-05	0.034231	0.733778	0.144139	0.406869	0.39766537	7.350915
2318	495111.06	3860001.99	0.61389	0.23847	0.45779	0.6569	1.54917	0.95769	0.23435	0.23847	6.29906855	0.107322389	1.161E-05	0.034028	0.7144	0.132492	0.404608	0.39513026	7.2968
2319	495161.06	3860001.99	0.61163	0.23698	0.4538	0.65238	1.58861	0.89227	0.23331	0.23698	6.2758789	0.106651821	1.151E-05	0.033794	0.732588	0.123441	0.402812	0.39266142	7.282516
2320	495211.06	3860001.99	0.60711	0.23616	0.45915	0.6471	1.61691	0.86385	0.23205	0.23616	6.2294996	0.106282784	1.165E-05	0.033521	0.745639	0.119509	0.400637	0.39130273	7.243797
2321	495261.06	3860001.99	0.60451	0.2348	0.45577	0.64171	1.65477	0.84299	0.23098	0.2348	6.20282124	0.105670721	1.156E-05	0.033241	0.763098	0.116624	0.398789	0.38904929	7.231206
2322	495311.06	3860001.99	0.60095	0.23371	0.45621	0.63565	1.68412	0.82353	0.22984	0.23371	6.16629241	0.105180172	1.157E-05	0.032928	0.776633	0.113931	0.396821	0.38724323	7.204553
2323	495361.06	3860001.99	0.59996	0.23185	0.44409	0.62908	1.72894	0.8092	0.22916	0.23185	6.15613411	0.104343087	1.127E-05	0.032587	0.797301	0.111949	0.395647	0.38416132	7.213812
2324	495411.06	3860001.99	0.59485	0.23122	0.45125	0.62237	1.74189	0.79254	0.22794	0.23122	6.10370087	0.104059558	1.145E-05	0.03224	0.803273	0.109644	0.393541	0.38311745	7.163352
2325	495461.06	3860001.99	0.59172	0.22998	0.4485	0.61503	1.76514	0.77951	0.22696	0.22998	6.07158423	0.103501501	1.138E-05	0.031859	0.813995	0.107841	0.391849	0.38106284	7.139579
2326	495511.06	3860001.99	0.58847	0.22878	0.44607	0.60727	1.78404	0.76758	0.22602	0.22878	6.03823628	0.102961447	1.132E-05	0.031457	0.822711	0.106191	0.390226	0.37907452	7.112719
2327	495561.06	3860001.99	0.58407	0.22792	0.44889	0.5996	1.79074	0.75583	0.22496	0.22792	5.99308829	0.102574407	1.139E-05	0.03106	0.8258	0.104565	0.388396	0.37764955	7.067846
2328	495611.06	3860001.99	0.58175	0.22647	0.44114	0.59128	1.80894	0.74656	0.22458	0.22647	5.96928298	0.101921841	1.119E-05	0.030629	0.834193	0.103283	0.38774	0.37524699	7.051814
2329	495661.06	3860001.99	0.57924	0.22507	0.43379	0.5825	1.82105	0.73781	0.22421	0.22507	5.9435281	0.101291777	1.1E-05	0.030174	0.839778	0.102072	0.387101	0.37292727	7.031029
2330	494411.06	3860051.99	0.64424	0.27902	0.58575	0.61072	1.7685	0.74962	0.28261	0.27902	6.6104871	0.125571741	1.486E-05	0.031636	0.815544	0.103706	0.487929	0.46231913	7.71257
2331	494461.06	3860051.99	0.64188	0.27163	0.57394	0.61248	1.74887	0.79519	0.27491	0.27163	6.58627135	0.122245903	1.456E-05	0.031727	0.806492	0.110011	0.474635	0.45007435	7.681322
2332	494511.06	3860051.99	0.63912	0.26536	0.56223	0.61442	1.72511	0.84004	0.26833	0.26536	6.55795125	0.119424117	1.426E-05	0.031828	0.795535	0.116215	0.463274	0.43968535	7.644557
2333	494561.06	3860051.99	0.63247	0.26891	0.55469	0.6169	1.71098	0.88885	0.27157	0.26891	6.48971621	0.121021779	1.407E-05	0.031956	0.789019	0.122968	0.468868	0.44556748	7.577996

2334	494611.06	3860051.99	0.62816	0.26641	0.54563	0.61829	1.70713	0.92699	0.26878	0.26641	6.4454917	0.119896665	1.384E-05	0.032028	0.787244	0.128245	0.464051	0.44142513	7.535545
2335	494661.06	3860051.99	0.6245	0.26233	0.54032	0.6194	1.6992	1.00199	0.26442	0.26233	6.40793678	0.118060479	1.371E-05	0.032086	0.783587	0.13862	0.456524	0.43466482	7.502163
2336	494711.06	3860051.99	0.62457	0.24949	0.53329	0.62078	1.68793	1.10428	0.25135	0.24949	6.40865504	0.112281892	1.353E-05	0.032157	0.77839	0.152772	0.433958	0.41338972	7.504838
2337	494761.06	3860051.99	0.62055	0.24722	0.52765	0.6214	1.67275	1.26811	0.24807	0.24722	6.3674062	0.111260289	1.339E-05	0.032189	0.771389	0.175437	0.428295	0.40962847	7.476362
2338	494811.06	3860051.99	0.61504	0.247	0.52227	0.62104	1.65443	2.31792	0.24831	0.247	6.3108686	0.111161279	1.325E-05	0.032171	0.762941	0.320673	0.42871	0.40926395	7.557274
2339	494861.06	3860051.99	0.60994	0.24628	0.5163	0.61988	1.63212	2.28639	0.24731	0.24628	6.25853797	0.110837246	1.31E-05	0.032111	0.752653	0.316311	0.426983	0.40807095	7.489375
2340	494911.06	3860051.99	0.6087	0.24401	0.50912	0.6204	1.60764	1.51613	0.2379	0.24401	6.24581444	0.109815642	1.292E-05	0.032138	0.741364	0.209749	0.410737	0.4043097	7.345321
2341	494961.06	3860051.99	0.60767	0.24216	0.50137	0.62042	1.5795	1.27496	0.23385	0.24216	6.23524571	0.108983058	1.272E-05	0.032139	0.728387	0.176384	0.403744	0.40124436	7.283652
2342	495011.06	3860051.99	0.60583	0.24054	0.49361	0.61984	1.5489	1.15795	0.23337	0.24054	6.21636564	0.108253984	1.252E-05	0.032109	0.714276	0.160197	0.402916	0.39856012	7.235569
2343	495061.06	3860051.99	0.60303	0.23923	0.48614	0.61874	1.51584	1.05777	0.23252	0.23923	6.1876351	0.107664424	1.233E-05	0.032052	0.69903	0.146337	0.401448	0.39638953	7.17779
2344	495111.06	3860051.99	0.60151	0.23753	0.47763	0.61736	1.48046	0.96935	0.23221	0.23753	6.17203852	0.106899346	1.212E-05	0.03198	0.682715	0.134105	0.400913	0.39357273	7.13509
2345	495161.06	3860051.99	0.5985	0.23627	0.46992	0.61489	1.44337	0.90501	0.23122	0.23627	6.14115318	0.106332289	1.192E-05	0.031852	0.665611	0.125204	0.399204	0.39148499	7.077883
2346	495211.06	3860051.99	0.59603	0.23485	0.46164	0.61216	1.53688	0.86876	0.23031	0.23485	6.11580874	0.105693224	1.171E-05	0.031711	0.708733	0.120189	0.397633	0.38913214	7.090646
2347	495261.06	3860051.99	0.59229	0.23386	0.45427	0.60853	1.51061	0.84625	0.22916	0.23386	6.07743295	0.105247679	1.152E-05	0.031523	0.696618	0.117075	0.395647	0.38749177	7.036063
2348	495311.06	3860051.99	0.58811	0.23299	0.44718	0.60424	1.53973	0.82589	0.22796	0.23299	6.03454235	0.104856139	1.134E-05	0.0313	0.710047	0.114258	0.393575	0.38605023	7.00254
2349	495361.06	3860051.99	0.58456	0.23193	0.43953	0.59971	1.57079	0.80903	0.22679	0.23193	5.99811613	0.10437909	1.115E-05	0.031066	0.72437	0.111925	0.391555	0.38429387	6.977129
2350	495411.06	3860051.99	0.5813	0.23078	0.43158	0.59499	1.60216	0.79441	0.22559	0.23078	5.96466557	0.103861538	1.095E-05	0.030821	0.738837	0.109903	0.389483	0.38238839	6.955194
2351	495461.06	3860051.99	0.57844	0.22952	0.42321	0.58985	1.63526	0.78177	0.22471	0.22952	5.93531938	0.10329448	1.074E-05	0.030555	0.754101	0.108154	0.387964	0.38030065	6.939098
2352	495511.06	3860051.99	0.57453	0.22857	0.41576	0.58398	1.65633	0.7691	0.22369	0.22857	5.89519923	0.102866937	1.055E-05	0.030251	0.763817	0.106401	0.386203	0.37872656	6.906023
2353	495561.06	3860051.99	0.57122	0.22746	0.40774	0.57807	1.68067	0.75809	0.22268	0.22746	5.86123563	0.102367386	1.034E-05	0.029945	0.775042	0.104878	0.384459	0.37688736	6.88105
2354	495611.06	3860051.99	0.56838	0.22623	0.40406	0.57177	1.70659	0.74824	0.2219	0.22623	5.83209465	0.10181383	1.025E-05	0.029618	0.786995	0.103515	0.383113	0.37484932	6.86231
2355	495661.06	3860051.99	0.56639	0.22468	0.39724	0.56531	1.73733	0.73959	0.22117	0.22468	5.81167544	0.101116259	1.008E-05	0.029284	0.80117	0.102319	0.381852	0.37228107	6.855146
2356	494411.06	3860101.99	0.63049	0.29689	0.62424	0.58722	1.75943	0.72842	0.30173	0.29689	6.46939962	0.133614057	1.584E-05	0.030419	0.811362	0.100773	0.52094	0.49192863	7.574595
2357	494461.06	3860101.99	0.62455	0.2991	0.61251	0.59854	1.74938	0.77637	0.30369	0.2991	6.40844983	0.134608658	1.554E-05	0.031005	0.806727	0.107407	0.524324	0.49559047	7.516947
2358	494511.06	3860101.99	0.62399	0.28722	0.58695	0.57783	1.73745	0.81826	0.29144	0.28722	6.40270372	0.129262115	1.489E-05	0.029932	0.801226	0.113202	0.503174	0.47590603	7.503609
2359	494561.06	3860101.99	0.61945	0.28569	0.57495	0.58012	1.71957	0.8725	0.28964	0.28569	6.3561192	0.128573545	1.459E-05	0.030051	0.79298	0.120706	0.500066	0.47337092	7.45514
2360	494611.06	3860101.99	0.61292	0.28869	0.56966	0.59195	1.69628	0.9332	0.29238	0.28869	6.28911547	0.129923682	1.445E-05	0.030664	0.78224	0.129104	0.504797	0.47834173	7.387517
2361	494661.06	3860101.99	0.60876	0.28573	0.56199	0.5903	1.67191	1.00326	0.28915	0.28573	6.2464301	0.128591547	1.426E-05	0.030578	0.771002	0.138796	0.49922	0.4734372	7.341195
2362	494711.06	3860101.99	0.60811	0.2748	0.55187	0.57142	1.67178	1.10961	0.27798	0.2748	6.23976051	0.123672548	1.4E-05	0.0296	0.770942	0.153509	0.479935	0.45532685	7.342107
2363	494761.06	3860101.99	0.60433	0.27116	0.54329	0.57114	1.66605	1.28685	0.27408	0.27116	6.20097428	0.122034382	1.378E-05	0.029586	0.7683	0.178029	0.473202	0.44929559	7.322844
2364	494811.06	3860101.99	0.60024	0.26816	0.53454	0.57258	1.65626	2.46235	0.27083	0.26816	6.15900716	0.120684245	1.356E-05	0.02966	0.763785	0.340654	0.467591	0.44432478	7.43707
2365	494861.06	3860101.99	0.59099	0.27422	0.52721	0.58141	1.63887	2.27369	0.27648	0.27422	6.06409377	0.123411521	1.337E-05	0.030118	0.755765	0.314554	0.477346	0.45436583	7.310936
2366	494911.06	3860101.99	0.59571	0.25401	0.51373	0.5752	1.62864	1.44532	0.25625	0.25401	6.11252525	0.114316099	1.303E-05	0.029796	0.751048	0.199953	0.442418	0.42087909	7.229191
2367	494961.06	3860101.99	0.59228	0.24974	0.50379	0.57577	1.60924	1.28561	0.25176	0.24974	6.07733034	0.112394404	1.278E-05	0.029826	0.742102	0.177858	0.434666	0.41380396	7.160385
2368	495011.06	3860101.99	0.59043	0.24166	0.49408	0.57673	1.58672	1.15448	0.24349	0.24166	6.05834766	0.108758035	1.253E-05	0.029875	0.731716	0.159717	0.420388	0.40041589	7.108399
2369	495061.06	3860101.99	0.58822	0.23906	0.48914	0.57715	1.56118	1.06395	0.2361	0.23906	6.03567105	0.107587916	1.241E-05	0.029897	0.719939	0.147192	0.407629	0.39610785	7.051821
2370	495111.06	3860101.99	0.58697	0.23731	0.48345	0.57772	1.53273	0.9878	0.22969	0.23731	6.02284492	0.106800336	1.226E-05	0.029927	0.706819	0.136657	0.396562	0.39320821	7.006414
2371	495161.06	3860101.99	0.58313	0.23634	0.47866	0.57664	1.50225	0.9317	0.22839	0.23634	5.98344303	0.106363792	1.214E-05	0.029871	0.692763	0.128896	0.394318	0.39160098	6.944066
2372	495211.06	3860101.99	0.58015	0.23515	0.47324	0.57587	1.46939	0.88207	0.22759	0.23515	5.95286553	0.105828237	1.201E-05	0.029831	0.67761	0.12203	0.392936	0.38962922	6.891484
2373	495261.06	3860101.99	0.57722	0.23393	0.46759	0.57472	1.43459	0.84424	0.2268	0.23393	5.92280107	0.105279182	1.186E-05	0.029771	0.661562	0.116796	0.391572	0.38760775	6.840186
2374	495311.06	3860101.99	0.5738	0.23288	0.462	0.57252	1.39807	0.82552	0.22588	0.23288	5.88770877	0.104806634	1.172E-05	0.029657	0.64472	0.114207	0.389984	0.38586797	6.785228
2375	495361.06	3860101.99	0.56958	0.23204	0.45667	0.56935	1.36022	0.80788	0.22457	0.23204	5.84440774	0.104428595	1.158E-05	0.029493	0.627266	0.111766	0.387722	0.38447614	6.720619
2376	495411.06	3860101.99	0.56661	0.23087	0.45053	0.56659	1.36703	0.79419	0.22394	0.23087	5.81393284	0.103902042	1.143E-05	0.02935	0.630406	0.109872	0.386635	0.38253752	6.691572
2377	495461.06	3860101.99	0.56489	0.22925	0.44342	0.56425	1.38403	0.78301	0.22345	0.22925	5.79628408	0.103172968	1.125E-05	0.029229	0.638246	0.108326	0.385789	0.37985328	6.681204
2378	495511.06	3860101.99	0.56058	0.22847	0.4378	0.55974	1.39934	0.76975	0.22233	0.22847	5.75205957	0.102821932	1.111E-05	0.028995	0.645306	0.106491	0.383855	0.37856087	6.640979
2379	495561.06	3860101.99	0.55634	0.22765	0.43203	0.55484	1.41258	0.75755	0.22121	0.22765	5.70855332	0.102452895	1.096E-05	0.028741	0.651412	0.104803	0.381921	0.37720217	6.600693
2380	495611.06	3860101.99	0.55454	0.22611	0.42452	0.55124	1.58904	0.74909	0.22035	0.22611	5.69008369	0.101759825	1.077E-05	0.028555	0.732786	0.103633	0.380437	0.37465049	6.662615
2381	495661.06	3860101.99	0.5512	0.22505	0.41796	0.54632	1.61379	0.73974	0.21945	0.22505	5.65581226	0.101282776	1.06E-05	0.0283	0.7442	0.102339	0.378883	0.37289413	6.637934
2382	494861.06	3860151.99	0.57002	0.29899	0.58288	0.62132	1.61971	2.41403	0.30181	0.29899	5.84892254	0.134559153	1.479E-05	0.032185	0.74693	0.333969	0.521078	0.49540821	7.122251
2383	494911.06	3860151.99	0.5762	0.27932	0.54891	0.58727	1.62369	1.57026	0.28243	0.27932	5.91233495	0.125706754	1.392E-05	0.030421	0.748765	0.217238	0.487618	0.46281622	7.059282
2384	494961.06	3860151.99	0.57417	0.27214	0.53051	0.57631	1.61407	1.3083	0.2751	0.27214	5.8915053	0.122475426	1.346E-05	0.029854	0.744329	0.180997	0.474963	0.45091939	6.993217
2385	495011.06	3860151.99	0.5725	0.26404	0.51708	0.56343	1.60132	1.17858	0.26683	0.26404	5.87436959	0.118830057	1.312E-05	0.029186	0.738449	0.163051	0.460685	0.43749819	6.947086
2386	495061.06	3860151.99	0.5707	0.25618	0.509	0.55072	1.58503	1.0859	0.25883	0.25618	5.85589995	0.115292698	1.291E-05	0.028528	0.730937	0.150229	0.446873	0.42447465	6.903298
2387	495111.06	3860151.99	0.56806	0.25034	0.50093	0.54187	1.56522	1.02022	0.25282	0.25034	5.82881116	0.112664431	1.271E-05	0.02807	0.721802	0.141142	0.436496	0.41479812	6.8542
2388	495161.06	3860151.99	0.56506	0.24542	0.49277	0.54112	1.54219	0.96384	0.24773	0.24542	5.79802843	0.110450206	1.25E-05	0.028031	0.711181	0.133343	0.427708	0.40664598	6.802108
2389	495211.06	3860151.99	0.56253	0.23932	0.48397	0.54176	1.51642	0.91545	0.24148	0.23932	5.77206834	0.107704928	1.228E-05	0.028064	0.699298	0.126648	0.416918	0.39653865	6.754174
2390	495261.06	3860151.99	0.55926	0.23512	0.47545	0.54142	1.48798	0.87311	0.23711	0.23512	5.73851517	0.105814736	1.206E-05	0.028046	0.686183	0.12079	0.409373	0.38957951	6.699155

2391	495311.06	3860151.99	0.55611	0.23382	0.46664	0.54078	1.45748	0.83824	0.23255	0.23382	5.70619331	0.105229677	1.184E-05	0.028013	0.672117	0.115966	0.4015	0.38742549	6.641606
2392	495361.06	3860151.99	0.55269	0.23279	0.45784	0.53943	1.42483	0.80544	0.22866	0.23279	5.67110101	0.10476613	1.161E-05	0.027943	0.657061	0.111429	0.394784	0.38571884	6.581376
2393	495411.06	3860151.99	0.54978	0.23153	0.45067	0.53821	1.39045	0.79129	0.2236	0.23153	5.64124177	0.104199072	1.143E-05	0.02788	0.641207	0.109471	0.386048	0.3836311	6.526426
2394	495461.06	3860151.99	0.54669	0.23046	0.44674	0.53632	1.35436	0.77841	0.22063	0.23046	5.60953556	0.103717523	1.133E-05	0.027782	0.624564	0.107689	0.38092	0.38185817	6.472361
2395	495511.06	3860151.99	0.5442	0.22918	0.4424	0.53459	1.32329	0.7675	0.22015	0.22918	5.5839859	0.103141465	1.122E-05	0.027693	0.610236	0.10618	0.380091	0.37973729	6.431601
2396	495561.06	3860151.99	0.54066	0.22821	0.43822	0.53156	1.34191	0.75623	0.21925	0.22821	5.54766229	0.102704921	1.112E-05	0.027536	0.618822	0.104621	0.378537	0.37813006	6.401764
2397	495611.06	3860151.99	0.53799	0.22701	0.43352	0.52997	1.35836	0.74657	0.21873	0.22701	5.52026567	0.102164866	1.1E-05	0.027453	0.626408	0.103284	0.37764	0.37614173	6.381085
2398	495661.06	3860151.99	0.53557	0.22574	0.4285	0.52732	1.37238	0.73827	0.21838	0.22574	5.49543427	0.101593308	1.087E-05	0.027316	0.632874	0.102136	0.377035	0.37403742	6.362362
2399	495718.25	3859442.96	0.58169	0.19298	0.37456	0.41251	1.70224	0.73559	0.19442	0.19298	5.96866733	0.086849812	9.502E-06	0.021369	0.784989	0.101765	0.335668	0.3197561	6.979561
2400	495818.25	3859442.96	0.57374	0.17761	0.36443	0.40856	1.66121	0.75953	0.17887	0.17761	5.88709311	0.07993261	9.245E-06	0.021164	0.766068	0.105077	0.308821	0.29428894	6.873876
2401	495918.25	3859442.96	0.56655	0.1615	0.3568	0.40646	1.63638	0.77004	0.16281	0.1615	5.81331719	0.072682374	9.051E-06	0.021055	0.754617	0.106531	0.281093	0.26759566	6.78171
2402	496018.25	3859442.96	0.55966	0.14572	0.34989	0.40498	1.61085	0.76393	0.16232	0.14572	5.74261953	0.065580654	8.876E-06	0.020979	0.742844	0.105686	0.280247	0.24144916	6.716516
2403	496118.25	3859442.96	0.55489	0.13215	0.3503	0.40973	1.66751	0.70372	0.16389	0.13215	5.693675	0.059473534	8.886E-06	0.021225	0.768973	0.097356	0.282958	0.2189645	6.704704
2404	496218.25	3859442.96	0.54975	0.13179	0.34874	0.41331	1.6943	0.6952	0.165	0.13179	5.64093394	0.059311518	8.847E-06	0.02141	0.781327	0.096178	0.284874	0.218368	6.665675
2405	496318.25	3859442.96	0.54309	0.1302	0.34087	0.41224	1.6415	0.68488	0.16493	0.1302	5.5725963	0.058595945	8.647E-06	0.021355	0.756978	0.09475	0.284753	0.21573346	6.573303
2406	496418.25	3859442.96	0.53637	0.1285	0.33212	0.41081	1.57422	0.65805	0.16485	0.1285	5.503643	0.057830868	8.425E-06	0.021281	0.725952	0.091038	0.284615	0.21291667	6.471451
2407	495718.25	3859542.96	0.59523	0.21338	0.36668	0.43317	1.81518	0.56767	0.21507	0.21338	6.10760002	0.096030743	9.302E-06	0.022439	0.837071	0.078534	0.371321	0.35355765	7.159447
2408	495818.25	3859542.96	0.58744	0.20014	0.35837	0.42635	1.78667	0.58948	0.20177	0.20014	6.02766755	0.090072139	9.091E-06	0.022086	0.823924	0.081552	0.348358	0.33161978	7.062048
2409	495918.25	3859542.96	0.57934	0.18625	0.3493	0.42268	1.73731	0.61328	0.18765	0.18625	5.94455419	0.083821005	8.861E-06	0.021895	0.801161	0.084844	0.32398	0.3086049	6.95166
2410	496018.25	3859542.96	0.57168	0.17134	0.34167	0.41974	1.74314	0.63106	0.17265	0.17134	5.86595564	0.077110824	8.667E-06	0.021743	0.80385	0.087304	0.298082	0.28389994	6.870154
2411	496118.25	3859542.96	0.56659	0.15637	0.34324	0.42276	1.82576	0.62649	0.16546	0.15637	5.81372762	0.07037364	8.707E-06	0.0219	0.84195	0.086672	0.285668	0.25909556	6.861204
2412	496218.25	3859542.96	0.56085	0.14232	0.3417	0.42391	1.87001	0.61105	0.16576	0.14232	5.75483001	0.064050499	8.668E-06	0.021959	0.862356	0.084536	0.286186	0.23581557	6.838111
2413	496318.25	3859542.96	0.55467	0.13611	0.33795	0.42649	1.8851	0.62126	0.16578	0.13611	5.6914176	0.061255715	8.573E-06	0.022093	0.869315	0.085948	0.286221	0.22552597	6.790732
2414	496418.25	3859542.96	0.54706	0.1339	0.32885	0.42076	1.84024	0.62852	0.16499	0.1339	5.6133321	0.060261114	8.342E-06	0.021796	0.848627	0.086953	0.284857	0.22186414	6.69397
2415	495718.25	3859642.96	0.60959	0.22394	0.42959	0.543	1.77941	0.56499	0.22615	0.22394	6.25494665	0.100783226	1.09E-05	0.028128	0.820576	0.078164	0.39045	0.37105493	7.302003
2416	495818.25	3859642.96	0.60048	0.21527	0.42047	0.50741	1.79706	0.54357	0.21699	0.21527	6.16146978	0.09688133	1.067E-05	0.026285	0.828715	0.0752	0.374635	0.35668927	7.206508
2417	495918.25	3859642.96	0.5929	0.20358	0.41449	0.49838	1.81393	0.53428	0.20567	0.20358	6.0836921	0.091620296	1.051E-05	0.025817	0.836494	0.073915	0.355091	0.33731965	7.129321
2418	496018.25	3859642.96	0.58444	0.19166	0.33626	0.47979	1.80654	0.53305	0.1933	0.19166	5.99688482	0.086255752	8.53E-06	0.024854	0.833087	0.073745	0.333734	0.31756894	7.031
2419	496118.25	3859642.96	0.57926	0.17719	0.40944	0.51113	1.83639	0.5607	0.1787	0.17719	5.94373332	0.079743591	1.039E-05	0.026477	0.846852	0.07757	0.308527	0.29359303	6.989321
2420	496218.25	3859642.96	0.5738	0.16385	0.40893	0.52455	1.8687	0.585	0.18773	0.16385	5.88770877	0.073739982	1.037E-05	0.027172	0.861752	0.080932	0.324118	0.27148946	6.983943
2421	496318.25	3859642.96	0.56565	0.15112	0.40158	0.51825	1.89702	0.59075	0.17564	0.15112	5.80408237	0.0680109	1.019E-05	0.026846	0.874811	0.081727	0.303244	0.25039663	6.908336
2422	496418.25	3859642.96	0.55347	0.13849	0.31127	0.41694	1.80224	0.56577	0.16191	0.13849	5.67910452	0.062326824	7.896E-06	0.021598	0.831104	0.078272	0.279539	0.22946949	6.722482
2423	495718.25	3859742.96	0.61885	0.22658	0.40412	0.62865	1.58439	0.62694	0.22966	0.22658	6.34996265	0.101971346	1.025E-05	0.032565	0.730642	0.086734	0.39651	0.37542925	7.322966
2424	495818.25	3859742.96	0.61566	0.22208	0.39432	0.60042	1.64036	0.60014	0.22466	0.22208	6.31723036	0.099946141	1E-05	0.031103	0.756453	0.083026	0.387878	0.36797302	7.307673
2425	495918.25	3859742.96	0.60738	0.2153	0.38797	0.55511	1.69333	0.58062	0.21702	0.2153	6.23227004	0.096894831	9.842E-06	0.028755	0.78088	0.080326	0.374687	0.35673898	7.237084
2426	496018.25	3859742.96	0.59638	0.20623	0.38059	0.51226	1.73253	0.55573	0.20822	0.20623	6.11940006	0.092812917	9.655E-06	0.026536	0.798957	0.076883	0.359494	0.34171054	7.132381
2427	496118.25	3859742.96	0.59216	0.19363	0.38316	0.56645	1.78896	0.57269	0.21091	0.19363	6.07609903	0.087142342	9.72E-06	0.029343	0.82498	0.079229	0.364138	0.32083311	7.140108
2428	496218.25	3859742.96	0.57854	0.2006	0.38792	0.58916	1.83024	0.59498	0.21914	0.2006	5.93634547	0.09027916	9.841E-06	0.030519	0.844016	0.082313	0.378347	0.33238197	7.029448
2429	496318.25	3859742.96	0.57198	0.17578	0.36842	0.49189	1.80836	0.55276	0.19842	0.17578	5.86903392	0.079109026	9.346E-06	0.025481	0.833926	0.076472	0.342574	0.29125675	6.935348
2430	496418.25	3859742.96	0.55949	0.16005	0.34837	0.45545	1.75758	0.5327	0.16338	0.16005	5.74087518	0.072029808	8.837E-06	0.023593	0.810509	0.073696	0.282077	0.2651931	6.737596
2431	495718.25	3859842.96	0.60549	0.22174	0.40658	0.62308	1.74024	0.68566	0.23212	0.22174	6.21287693	0.099793125	1.031E-05	0.032276	0.802512	0.094858	0.400758	0.36740967	7.275675
2432	495818.25	3859842.96	0.59948	0.21842	0.38703	0.60535	1.63983	0.66578	0.22614	0.21842	6.15120887	0.098298974	9.818E-06	0.031358	0.756208	0.092107	0.390433	0.36190863	7.157716
2433	495918.25	3859842.96	0.59378	0.21704	0.37081	0.5858	1.52694	0.63976	0.21898	0.21704	6.0927217	0.097677911	9.407E-06	0.030345	0.704149	0.088508	0.378071	0.35962205	7.03186
2434	496018.25	3859842.96	0.58568	0.20861	0.36904	0.5736	1.5196	0.62529	0.21465	0.20861	6.00960835	0.093884026	9.362E-06	0.029713	0.700764	0.086506	0.370595	0.34565406	6.945426
2435	496118.25	3859842.96	0.56999	0.21541	0.38974	0.57535	1.59668	0.64305	0.22814	0.21541	5.84861471	0.096944336	9.887E-06	0.029804	0.73631	0.088963	0.393886	0.35692124	6.83761
2436	496218.25	3859842.96	0.57214	0.19431	0.36047	0.54919	1.64243	0.59732	0.2052	0.19431	5.87067566	0.087448373	9.144E-06	0.028449	0.757407	0.082636	0.35428	0.32195983	6.858946
2437	496318.25	3859842.96	0.56646	0.19299	0.32692	0.42542	1.61583	0.50255	0.1946	0.19299	5.81239371	0.086854312	8.293E-06	0.022037	0.745141	0.069525	0.335979	0.31977267	6.752166
2438	496418.25	3859842.96	0.55435	0.1852	0.27453	0.36622	1.57777	0.47621	0.18656	0.1852	5.68813411	0.083348457	6.964E-06	0.018971	0.727589	0.065881	0.322098	0.30686511	6.599163
2439	495718.25	3859942.96	0.58846	0.22475	0.44755	0.59226	1.85173	0.72461	0.2285	0.22475	6.03813367	0.101147763	1.135E-05	0.03068	0.853926	0.100246	0.394508	0.37239705	7.146255
2440	495818.25	3859942.96	0.58245	0.22166	0.43119	0.57454	1.81006	0.7017	0.22698	0.22166	5.97646562	0.099757121	1.094E-05	0.029762	0.83471	0.097077	0.391883	0.36727711	7.062388
2441	495918.25	3859942.96	0.57464	0.21888	0.42511	0.55875	1.7464	0.68295	0.22552	0.21888	5.89632793	0.098505995	1.078E-05	0.028944	0.805353	0.094483	0.389363	0.36267082	6.950316
2442	496018.25	3859942.96	0.56243	0.21939	0.44499	0.54583	1.65946	0.68333	0.22518	0.21939	5.77104225	0.098735518	1.129E-05	0.028275	0.765261	0.094535	0.388776	0.36351586	6.783119
2443	496118.25	3859942.96	0.56013	0.20995	0.40557	0.5301	1.58006	0.65339	0.22054	0.20995	5.74744216	0.094487087	1.029E-05	0.02746	0.728645	0.090393	0.380765	0.34787435	6.721328
2444	496218.25	3859942.96	0.56392	0.20705	0.33346	0.49173	1.46467	0.60004	0.2111	0.20705	5.786331	0.093181954	8.459E-06	0.025472	0.675433	0.083013	0.364466	0.34306923	6.684836
2445	496318.25	3859942.96	0.5624	0.20712	0.31298	0.41673	1.38162	0.53355	0.20911	0.20712	5.77073442	0.093213458	7.94E-06	0.021587	0.637135	0.073814	0.361031	0.34318522	6.614337
2446	496418.25	3859942.96	0.54708	0.20561	0.26528	0.34831	1.35223	0.46517	0.2071	0.20561	5.61353732	0.092533889	6.73E-06	0.018043	0.623581	0.064354	0.35756	0.34068324	6.428933
2447	496856.82	3858864.83	0.46419	0.10069	0.22262	0.29068	1.29878	1.02037	0.12633	0.10069	4.76301069	0.045315098	5.647E-06	0.015058	0.598933	0.141163	0.21811	0.16683719	5.614758

2448	496956.82	3858864.83	0.45889	0.09776	0.22002	0.28331	1.27303	0.91904	0.12238	0.09776	4.70862788	0.043996464	5.581E-06	0.014676	0.587058	0.127145	0.21129	0.16198236	5.530817
2449	497056.82	3858864.83	0.45391	0.09504	0.21766	0.27628	1.2461	0.82827	0.11845	0.09504	4.65752856	0.04277234	5.522E-06	0.014312	0.574639	0.114587	0.204505	0.15747549	5.450874
2450	497156.82	3858864.83	0.44878	0.09206	0.21542	0.26843	1.21747	0.74658	0.11422	0.09206	4.6048901	0.041431204	5.465E-06	0.013905	0.561437	0.103286	0.197202	0.15253781	5.369618
2451	497256.82	3858864.83	0.44513	0.09285	0.21353	0.26469	1.18856	0.69237	0.11144	0.09285	4.56743779	0.04178674	5.417E-06	0.013711	0.548105	0.095786	0.192402	0.15384679	5.305388
2452	496856.82	3858964.83	0.46898	0.10551	0.24141	0.32171	1.35961	0.85928	0.14189	0.10551	4.81216043	0.047484318	6.124E-06	0.016665	0.626985	0.118877	0.244975	0.17482364	5.692329
2453	496956.82	3858964.83	0.46225	0.10307	0.23642	0.31333	1.34502	0.76466	0.13774	0.10307	4.74310453	0.046386206	5.997E-06	0.016231	0.620256	0.105787	0.23781	0.17078071	5.5988
2454	497056.82	3858964.83	0.45639	0.10046	0.23213	0.30604	1.32843	0.68456	0.13393	0.10046	4.68297561	0.045211587	5.889E-06	0.015853	0.612606	0.094706	0.231232	0.1664561	5.516133
2455	497156.82	3858964.83	0.45073	0.09772	0.22817	0.29837	1.30997	0.62249	0.12989	0.09772	4.62489887	0.043978462	5.788E-06	0.015456	0.604093	0.086118	0.224256	0.16191608	5.436891
2456	497256.82	3858964.83	0.44784	0.09502	0.22527	0.29782	1.29036	0.60931	0.12838	0.09502	4.59524485	0.042763339	5.715E-06	0.015427	0.59505	0.084295	0.221649	0.15744235	5.396993
2457	496856.82	3859064.83	0.4733	0.10947	0.25559	0.34425	1.35228	0.9085	0.15271	0.10947	4.85648756	0.049266499	6.484E-06	0.017833	0.623604	0.125687	0.263655	0.18138512	5.755154
2458	496956.82	3859064.83	0.46662	0.10748	0.24857	0.3391	1.3511	0.85438	0.15012	0.10748	4.78794469	0.048370908	6.306E-06	0.017566	0.62306	0.118199	0.259184	0.17808781	5.676243
2459	497056.82	3859064.83	0.46047	0.10528	0.24235	0.33407	1.34731	0.80503	0.14748	0.10528	4.72484011	0.047380807	6.148E-06	0.017305	0.621312	0.111372	0.254626	0.17444254	5.6024
2460	497156.82	3859064.83	0.45474	0.10291	0.23672	0.32889	1.34122	0.76053	0.14463	0.10291	4.66604511	0.046314199	6.005E-06	0.017037	0.618504	0.105216	0.249705	0.1705156	5.532312
2461	497256.82	3859064.83	0.45219	0.10044	0.23309	0.33156	1.3339	0.71892	0.14446	0.10044	4.6398798	0.045202586	5.913E-06	0.017175	0.615128	0.099459	0.249412	0.16642296	5.49984
2462	496856.82	3859164.83	0.47769	0.11235	0.2637	0.35774	1.27929	0.67563	0.1583	0.11235	4.90153294	0.05056263	6.689E-06	0.018531	0.589945	0.09347	0.273307	0.1861571	5.741198
2463	496956.82	3859164.83	0.47059	0.11083	0.25459	0.35433	1.29083	0.62835	0.15684	0.11083	4.8286805	0.049878561	6.458E-06	0.018355	0.595267	0.086929	0.270786	0.18363856	5.666263
2464	497056.82	3859164.83	0.46494	0.1091	0.24741	0.35344	1.30073	0.59233	0.15604	0.1091	4.77070637	0.049099982	6.276E-06	0.018309	0.599832	0.081946	0.269405	0.18077205	5.608532
2465	497156.82	3859164.83	0.46081	0.10719	0.24189	0.35531	1.30815	0.57113	0.15602	0.10719	4.72832882	0.048240395	6.136E-06	0.018406	0.603254	0.079013	0.26937	0.1776073	5.569011
2466	497256.82	3859164.83	0.45842	0.10508	0.23808	0.36071	1.31402	0.55828	0.15691	0.10508	4.70380525	0.047290798	6.04E-06	0.018685	0.605961	0.077235	0.270907	0.17411116	5.549779
2467	496856.82	3859264.83	0.4827	0.11428	0.26514	0.36467	1.15089	0.71662	0.15956	0.11428	4.95294009	0.051431218	6.726E-06	0.01889	0.530733	0.099141	0.275482	0.18935499	5.73927
2468	496956.82	3859264.83	0.47736	0.11306	0.2575	0.36732	1.17512	0.6526	0.16051	0.11306	4.89814684	0.050882163	6.532E-06	0.019028	0.541907	0.090284	0.277122	0.18733353	5.690043
2469	497056.82	3859264.83	0.47319	0.11186	0.25158	0.37204	1.19689	0.58194	0.1619	0.11186	4.85535886	0.050342108	6.382E-06	0.019272	0.551946	0.080509	0.279522	0.1853452	5.651611
2470	497156.82	3859264.83	0.46875	0.11091	0.24529	0.37507	1.2166	0.54786	0.16265	0.11091	4.80980043	0.049914564	6.222E-06	0.019429	0.561036	0.075794	0.280817	0.18377111	5.613025
2471	497256.82	3859264.83	0.46559	0.10874	0.25181	0.37997	1.25343	0.51985	0.16367	0.10874	4.77737596	0.048937965	6.388E-06	0.019683	0.57802	0.071919	0.282578	0.18017555	5.598344
2472	497088.92	3858620.93	0.33058	0.08764	0.17249	0.22134	0.5992	0.60596	0.08704	0.08764	3.39205083	0.039442002	4.376E-06	0.011466	0.276321	0.083832	0.150275	0.14521414	3.808177
2473	497138.92	3858620.93	0.32981	0.09202	0.17277	0.22059	0.59494	0.59083	0.09147	0.09202	3.38414993	0.041413202	4.383E-06	0.011427	0.274357	0.081738	0.157924	0.15247153	3.798542
2474	497188.92	3858620.93	0.32869	0.09539	0.17311	0.21846	0.59653	0.55193	0.09489	0.09539	3.37265771	0.042929856	4.391E-06	0.011317	0.27509	0.076357	0.163829	0.15805542	3.784128
2475	497238.92	3858620.93	0.32783	0.09914	0.17335	0.21672	0.58849	0.52012	0.09867	0.09914	3.36383333	0.044617527	4.398E-06	0.011226	0.271382	0.071956	0.170355	0.16426894	3.769106
2476	497088.92	3858670.93	0.33431	0.08644	0.1818	0.22551	0.65233	0.55764	0.08939	0.08644	3.43032401	0.038901947	4.612E-06	0.011682	0.300822	0.077147	0.154333	0.14322581	3.869988
2477	497138.92	3858670.93	0.33371	0.08673	0.18192	0.22601	0.65443	0.56003	0.08914	0.08673	3.42416747	0.03903246	4.615E-06	0.011708	0.301791	0.077477	0.153901	0.14370632	3.864375
2478	497188.92	3858670.93	0.33281	0.08923	0.18199	0.22382	0.64305	0.55643	0.0889	0.08923	3.41493265	0.040157574	4.617E-06	0.011594	0.296543	0.076979	0.153487	0.14784867	3.845849
2479	497238.92	3858670.93	0.33207	0.09357	0.18208	0.22299	0.63861	0.56651	0.09328	0.09357	3.40733958	0.042110773	4.619E-06	0.011551	0.294495	0.078374	0.161049	0.15503979	3.839884
2480	497088.92	3858720.93	0.44972	0.08797	0.19128	0.23608	1.02732	0.67999	0.0959	0.08797	4.61453535	0.039590517	4.852E-06	0.012229	0.473749	0.094073	0.165572	0.14576093	5.253994
2481	497138.92	3858720.93	0.33729	0.08725	0.19107	0.23022	0.68364	0.63067	0.09336	0.08725	3.46090152	0.039266484	4.847E-06	0.011926	0.315261	0.08725	0.161187	0.14456793	3.931229
2482	497188.92	3858720.93	0.33653	0.08718	0.19095	0.22866	0.67694	0.62548	0.09231	0.08718	3.45310323	0.039234981	4.844E-06	0.011845	0.312171	0.086532	0.159374	0.14445195	3.917813
2483	497238.92	3858720.93	0.44486	0.08844	0.19087	0.231	0.97357	0.66253	0.09254	0.08844	4.56466734	0.039802038	4.842E-06	0.011966	0.448962	0.091658	0.159771	0.14653969	5.170292
2484	497088.92	3858770.93	0.44974	0.08896	0.20058	0.24537	1.10875	0.7542	0.10199	0.08896	4.61474057	0.040036062	5.088E-06	0.012711	0.5113	0.10434	0.176087	0.1474013	5.311818
2485	497138.92	3858770.93	0.44751	0.08874	0.20014	0.24214	1.09158	0.7164	0.10024	0.08874	4.59185875	0.039937052	5.077E-06	0.012543	0.503383	0.09911	0.173065	0.14703677	5.272866
2486	497188.92	3858770.93	0.44606	0.08851	0.19967	0.23989	1.07475	0.68578	0.09877	0.08851	4.57698043	0.039833542	5.065E-06	0.012427	0.495621	0.094874	0.170527	0.14665568	5.243613
2487	497238.92	3858770.93	0.44484	0.0889	0.19942	0.24073	1.05767	0.6923	0.09844	0.0889	4.56446213	0.040009059	5.059E-06	0.01247	0.487745	0.095776	0.169958	0.14730188	5.223123
2488	497396.65	3858622.63	0.44519	0.12232	0.17433	0.21904	0.74471	0.57477	0.12207	0.12232	4.56805344	0.055049585	4.422E-06	0.011347	0.343423	0.079517	0.210755	0.20267678	5.065472
2489	497496.65	3858622.63	0.44478	0.13659	0.17467	0.21773	0.71255	0.62566	0.13645	0.13659	4.56384647	0.061471737	4.431E-06	0.011279	0.328593	0.086557	0.235582	0.2263213	5.061012
2490	497596.65	3858622.63	0.44573	0.17255	0.17489	0.21775	0.68242	0.67466	0.17144	0.17255	4.57359433	0.077655379	4.437E-06	0.01128	0.314698	0.093336	0.295993	0.28590483	5.080656
2491	497696.65	3858622.63	0.44442	0.18322	0.17514	0.21195	0.67599	0.68442	0.18211	0.18322	4.56015254	0.082457366	4.443E-06	0.010979	0.311733	0.094686	0.314415	0.30358437	5.070843
2492	497796.65	3858622.63	0.44424	0.19464	0.17529	0.20738	0.69794	0.67401	0.1936	0.19464	4.55830558	0.087596888	4.447E-06	0.010743	0.321855	0.093246	0.334252	0.32250662	5.083497
2493	497896.65	3858622.63	0.44416	0.20383	0.17789	0.22106	0.71804	0.64169	0.20288	0.20383	4.55748471	0.091732807	4.513E-06	0.011451	0.331124	0.088775	0.350274	0.33773389	5.093113
2494	497396.65	3858722.63	0.44455	0.1254	0.19079	0.23958	0.92323	0.73161	0.12495	0.1254	4.56148646	0.056435726	4.84E-06	0.012411	0.425748	0.101215	0.215727	0.20778016	5.165247
2495	497496.65	3858722.63	0.44373	0.14491	0.19047	0.24168	0.8894	0.73593	0.14437	0.14491	4.55307252	0.065216117	4.832E-06	0.012519	0.410147	0.101812	0.249256	0.24010704	5.151922
2496	497596.65	3858722.63	0.44394	0.16272	0.1901	0.24477	0.85691	0.72976	0.16226	0.16272	4.55522731	0.07323143	4.822E-06	0.012679	0.395164	0.100959	0.280144	0.26961712	5.147792
2497	497696.65	3858722.63	0.44311	0.17626	0.1925	0.24212	0.82437	0.69112	0.17593	0.17626	4.54671076	0.079325048	4.883E-06	0.012542	0.380159	0.095613	0.303745	0.29205208	5.126047
2498	497796.65	3858722.63	0.44175	0.18691	0.19513	0.23613	0.81206	0.64298	0.18668	0.18691	4.53275592	0.084118035	4.95E-06	0.012232	0.374482	0.088953	0.322305	0.30969848	5.105152
2499	497896.65	3858722.63	0.44086	0.19714	0.22284	0.22991	0.81534	0.6029	0.197	0.19714	4.52362371	0.088722002	5.653E-06	0.01191	0.375994	0.083408	0.340122	0.32664896	5.097137
2500	497396.65	3858822.63	0.44357	0.11818	0.20593	0.26041	1.08727	0.71723	0.118	0.11818	4.55143077	0.053186396	5.224E-06	0.01349	0.501395	0.099225	0.203728	0.19581706	5.226643
2501	497496.65	3858822.63	0.44213	0.13135	0.20474	0.26356	1.05551	0.69227	0.13128	0.13135	4.53665507	0.059113498	5.194E-06	0.013653	0.486749	0.095772	0.226656	0.21763894	5.200965
2502	497596.65	3858822.63	0.44286	0.14947	0.20361	0.27268	1.02467	0.65349	0.14959	0.14947	4.54414553	0.067268325	5.165E-06	0.014125	0.472527	0.090407	0.258269	0.24766268	5.199084
2503	497696.65	3858822.63	0.44086	0.1624	0.20595	0.27124	0.99208	0.60853	0.16265	0.1624	4.52362371	0.073087416	5.225E-06	0.014051	0.457498	0.084187	0.280817	0.2690869	5.164182
2504	497796.65	3858822.63	0.43943	0.17407	0.20845	0.26813	0.97388	0.54835	0.17443	0.17407	4.50895062	0.078339448	5.288E-06	0.01389	0.449105	0.075862	0.301155	0.28842338	5.138883

2505	497896.65	3858822.63	0.43895	0.18761	0.21127	0.26518	1.00926	0.50114	0.18809	0.18761	4.50402538	0.084433067	5.359E-06	0.013737	0.465421	0.06933	0.324739	0.31085834	5.150832
2506	497396.65	3858922.63	0.44367	0.10771	0.21773	0.2862	1.21899	0.59002	0.11979	0.10771	4.55245686	0.048474418	5.523E-06	0.014826	0.562138	0.081626	0.206819	0.17846891	5.287876
2507	497496.65	3858922.63	0.44328	0.12267	0.21589	0.29457	1.19332	0.55758	0.12306	0.12267	4.54845511	0.055207101	5.477E-06	0.015259	0.5503	0.077138	0.212464	0.20325671	5.255573
2508	497596.65	3858922.63	0.43997	0.13212	0.21348	0.29219	1.16549	0.54832	0.1326	0.13212	4.51449151	0.059460033	5.416E-06	0.015136	0.537466	0.075857	0.228935	0.21891479	5.212437
2509	497696.65	3858922.63	0.44057	0.1493	0.21168	0.30118	1.13863	0.53939	0.14995	0.1493	4.52064805	0.067191817	5.37E-06	0.015602	0.52508	0.074622	0.25889	0.247381	5.214658
2510	497796.65	3858922.63	0.43903	0.16277	0.2098	0.30114	1.1278	0.5303	0.16355	0.16277	4.50484625	0.073253932	5.322E-06	0.015599	0.520085	0.073364	0.282371	0.26969997	5.199826
2511	497896.65	3858922.63	0.43965	0.17732	0.20804	0.30205	1.18167	0.51693	0.17824	0.17732	4.51120802	0.079802097	5.278E-06	0.015647	0.544928	0.071515	0.307733	0.29380843	5.237029
2512	497364.44	3858201.52	0.2828	0.1316	0.13686	0.25012	0.61042	0.54673	0.12909	0.1316	2.90178466	0.059226009	3.472E-06	0.012957	0.281495	0.075637	0.222875	0.21805318	3.335926
2513	497414.44	3858201.52	0.28203	0.13486	0.13705	0.24913	0.60984	0.52043	0.13239	0.13486	2.89388376	0.060693158	3.477E-06	0.012905	0.281228	0.071999	0.228573	0.2234548	3.32583
2514	497464.44	3858201.52	0.28107	0.13748	0.13725	0.24816	0.60915	0.52425	0.13504	0.13748	2.88403329	0.061872278	3.482E-06	0.012855	0.28091	0.072527	0.233148	0.22779598	3.317553
2515	497514.44	3858201.52	0.27982	0.13837	0.13748	0.24719	0.6083	0.55656	0.13594	0.13837	2.87120716	0.062272818	3.488E-06	0.012805	0.280518	0.076997	0.234702	0.22927066	3.309234
2516	497564.44	3858201.52	0.27861	0.13713	0.13769	0.24624	0.60746	0.54684	0.1347	0.13713	2.85879146	0.061714762	3.493E-06	0.012756	0.28013	0.075653	0.232561	0.22721605	3.294393
2517	497614.44	3858201.52	0.27749	0.13707	0.13789	0.2453	0.60663	0.53509	0.13466	0.13707	2.84729924	0.061687759	3.498E-06	0.012707	0.279748	0.074027	0.232492	0.22711664	3.280847
2518	497364.44	3858251.52	0.28895	0.13803	0.13683	0.2367	0.59663	0.53995	0.13583	0.13803	2.96488924	0.062119803	3.471E-06	0.012261	0.275136	0.074699	0.234512	0.2287073	3.394914
2519	497414.44	3858251.52	0.28814	0.14282	0.13713	0.23581	0.59651	0.53003	0.14067	0.14282	2.95657791	0.064275521	3.479E-06	0.012215	0.275081	0.073327	0.242868	0.23664404	3.387704
2520	497464.44	3858251.52	0.28689	0.14155	0.13743	0.23489	0.59616	0.51437	0.13939	0.14155	2.94375177	0.063703963	3.486E-06	0.012168	0.274919	0.071161	0.240658	0.23453972	3.371825
2521	497514.44	3858251.52	0.2856	0.1395	0.13773	0.234	0.59576	0.49603	0.13732	0.1395	2.9305152	0.06278137	3.494E-06	0.012122	0.274735	0.068623	0.237084	0.231143	3.354721
2522	497564.44	3858251.52	0.28443	0.13901	0.13803	0.23315	0.59541	0.49609	0.13684	0.13901	2.91850994	0.062560847	3.502E-06	0.012077	0.274574	0.068632	0.236256	0.2303311	3.342281
2523	497614.44	3858251.52	0.28326	0.1383	0.13833	0.23233	0.59501	0.50151	0.13614	0.1383	2.90650468	0.062241315	3.509E-06	0.012035	0.274389	0.069381	0.235047	0.22915467	3.330447
2524	497364.44	3858301.52	0.29477	0.13966	0.13806	0.22423	0.57862	0.53184	0.13774	0.13966	3.02460773	0.062853377	3.502E-06	0.011615	0.266831	0.073577	0.23781	0.23140811	3.44589
2525	497414.44	3858301.52	0.2938	0.14364	0.13844	0.22336	0.57894	0.52105	0.14176	0.14364	3.01465465	0.064644559	3.512E-06	0.01157	0.266978	0.072085	0.24475	0.23800273	3.436684
2526	497464.44	3858301.52	0.29253	0.1423	0.13882	0.22241	0.57906	0.49881	0.14041	0.1423	3.00162329	0.064041498	3.522E-06	0.011521	0.267034	0.069008	0.242419	0.23578243	3.419868
2527	497514.44	3858301.52	0.29133	0.14164	0.13919	0.22156	0.5792	0.47749	0.13975	0.14164	2.9893102	0.063744468	3.531E-06	0.011477	0.267098	0.066058	0.24128	0.23468885	3.404283
2528	497564.44	3858301.52	0.29007	0.13969	0.13956	0.22075	0.57927	0.45288	0.13779	0.13969	2.97638146	0.062866879	3.54E-06	0.011435	0.267131	0.062654	0.237896	0.23145782	3.386909
2529	497614.44	3858301.52	0.28893	0.1394	0.13993	0.22002	0.57934	0.44888	0.1375	0.1394	2.96468403	0.062736365	3.55E-06	0.011397	0.267163	0.0621	0.237395	0.2309773	3.374502
2530	497364.44	3858351.52	0.30026	0.14047	0.1406	0.21398	0.55685	0.51752	0.13885	0.14047	3.08094011	0.063217914	3.567E-06	0.011084	0.256792	0.071596	0.239726	0.23275023	3.49061
2531	497414.44	3858351.52	0.29911	0.14111	0.14104	0.21275	0.55754	0.49361	0.13949	0.14111	3.06914006	0.063505943	3.578E-06	0.011021	0.25711	0.068289	0.240831	0.23381067	3.476089
2532	497464.44	3858351.52	0.29804	0.14253	0.14147	0.21172	0.55824	0.47134	0.14093	0.14253	3.05816089	0.064145008	3.589E-06	0.010967	0.257433	0.065208	0.243317	0.23616352	3.463071
2533	497514.44	3858351.52	0.29692	0.14287	0.1419	0.21077	0.55888	0.44561	0.14127	0.14287	3.04666868	0.064298024	3.6E-06	0.010918	0.257728	0.061648	0.243904	0.23672688	3.448441
2534	497564.44	3858351.52	0.29564	0.14079	0.14232	0.20986	0.55937	0.43621	0.13918	0.14079	3.03353472	0.063361929	3.61E-06	0.010871	0.257954	0.060348	0.240296	0.23328045	3.433088
2535	497614.44	3858351.52	0.29454	0.14123	0.14273	0.20913	0.55992	0.43138	0.13962	0.14123	3.02224772	0.063559949	3.621E-06	0.010833	0.258207	0.059679	0.241055	0.2340095	3.421577
2536	497364.44	3858401.52	0.3055	0.13535	0.14443	0.20654	0.53894	0.47711	0.13398	0.13535	3.13470726	0.06091368	3.664E-06	0.010699	0.248532	0.066006	0.231318	0.2242667	3.527913
2537	497414.44	3858401.52	0.30432	0.13838	0.14492	0.20504	0.54466	0.47756	0.13704	0.13838	3.12259939	0.062277319	3.676E-06	0.010621	0.25117	0.066068	0.236601	0.22928723	3.520054
2538	497464.44	3858401.52	0.3032	0.13918	0.14538	0.20358	0.53996	0.46323	0.13785	0.13918	3.11110718	0.062637355	3.688E-06	0.010546	0.249003	0.064086	0.237999	0.23061278	3.504769
2539	497514.44	3858401.52	0.30216	0.14061	0.14584	0.20238	0.53802	0.46496	0.13928	0.14061	3.10043583	0.063280921	3.7E-06	0.010484	0.248108	0.064325	0.240468	0.2329822	3.494123
2540	497564.44	3858401.52	0.30138	0.14544	0.14627	0.20158	0.548	0.48392	0.14414	0.14544	3.09243233	0.065454641	3.711E-06	0.010442	0.25271	0.066948	0.248859	0.24098522	3.495865
2541	497614.44	3858401.52	0.30075	0.14952	0.14667	0.20088	0.55339	0.50358	0.14825	0.14952	3.08596795	0.067290827	3.721E-06	0.010406	0.255196	0.069668	0.255955	0.24774553	3.496742
2542	493478.11	3860497.94	0.5524	0.53845	0.98503	1.02994	2.28619	2.21344	0.53708	0.53845	5.66812534	0.242327087	2.499E-05	0.053352	1.054277	0.306219	0.927274	0.89217883	7.359421
2543	493528.11	3860497.94	0.54439	0.52686	0.97991	0.98822	2.24807	2.06421	0.52502	0.52686	5.58593548	0.237111058	2.486E-05	0.051191	1.036698	0.285573	0.906452	0.87297491	7.230012
2544	493478.11	3860547.94	0.5588	0.55032	0.92425	1.06868	2.27378	2.97319	0.55163	0.55032	5.73379515	0.247669129	2.345E-05	0.055359	1.048554	0.411326	0.952395	0.9118467	7.537276
2545	493528.11	3860547.94	0.54963	0.54112	0.92315	1.04034	2.24694	2.70891	0.54129	0.54112	5.63970263	0.243528709	2.342E-05	0.053891	1.036177	0.374764	0.934543	0.89660286	7.386027
2546	493478.11	3860597.94	0.56749	0.55363	0.94808	1.02619	2.23901	4.5028	0.55728	0.55363	5.82296244	0.24915878	2.405E-05	0.053158	1.03252	0.62294	0.96215	0.91733117	7.825582
2547	493528.11	3860597.94	0.55743	0.54581	0.92616	1.0196	2.22635	3.86886	0.54962	0.54581	5.71973771	0.245639423	2.349E-05	0.052817	1.026682	0.535238	0.948925	0.9043739	7.624688
2548	493561.88	3860524.64	0.54195	0.52733	0.95345	0.99922	2.22725	2.25451	0.52644	0.52733	5.56089886	0.237322579	2.419E-05	0.051761	1.027097	0.3119	0.908904	0.87375367	7.224155
2549	493591.88	3860524.64	0.5383	0.51823	0.95725	0.97754	2.20762	2.14132	0.51704	0.51823	5.52344655	0.233227163	2.428E-05	0.050638	1.018045	0.296241	0.892675	0.85867552	7.155621
2550	493561.88	3860554.64	0.54507	0.53499	0.91751	1.02338	2.22709	2.64344	0.53532	0.53499	5.59291289	0.240769929	2.328E-05	0.053013	1.027023	0.365707	0.924235	0.88644582	7.317239
2551	493591.88	3860554.64	0.54175	0.52612	0.92748	1.00741	2.21467	2.51479	0.5258	0.52612	5.55884668	0.236778024	2.353E-05	0.052185	1.021296	0.347909	0.907799	0.87174877	7.253088
2552	492880.5	3860293.11	0.61637	0.6552	1.12333	1.46551	2.54225	1.99104	0.6518	0.6552	6.3245156	0.294869918	2.85E-05	0.075915	1.17236	0.275451	1.125339	1.08562647	8.182852
2553	492930.5	3860293.11	0.60913	0.6309	1.13083	1.43181	2.55941	1.86868	0.62728	0.6309	6.25022663	0.283933808	2.869E-05	0.07417	1.180273	0.258523	1.083005	1.04536285	8.084797
2554	492980.5	3860293.11	0.60282	0.60665	1.11923	1.431	2.56715	1.70405	0.60289	0.60665	6.1854803	0.273020201	2.839E-05	0.074128	1.183842	0.235747	1.040896	1.00518208	7.987959
2555	493030.5	3860293.11	0.6037	0.62299	1.06463	1.4372	2.59207	1.47897	0.62326	0.62299	6.1945099	0.280373947	2.701E-05	0.074449	1.195334	0.204608	1.076065	1.03225646	7.99311
2556	493080.5	3860293.11	0.60719	0.59316	1.00249	1.43181	2.60648	1.27515	0.59517	0.59316	6.23032047	0.266949085	2.543E-05	0.07417	1.201979	0.176411	1.027567	0.98282997	7.994592
2557	493130.5	3860293.11	0.59135	0.5861	1.00036	1.34908	2.54571	1.28202	0.5864	0.5861	6.06778769	0.263771763	2.538E-05	0.069884	1.173955	0.177361	1.012426	0.97113198	7.794079
2558	493180.5	3860293.11	0.57775	0.5612	0.99759	1.24839	2.48087	1.30324	0.55967	0.5612	5.92823935	0.252565626	2.531E-05	0.064668	1.144054	0.180297	0.966276	0.9298742	7.606251
2559	493230.5	3860293.11	0.56928	0.53966	1.02136	1.18413	2.42586	1.2908	0.53709	0.53966	5.84132946	0.242871642	2.591E-05	0.06134	1.118686	0.178576	0.927291	0.89418373	7.475936
2560	493280.5	3860293.11	0.56676	0.52978	1.02621	1.16661	2.38404	1.17005	0.52803	0.52978	5.81547198	0.238425191	2.603E-05	0.060432	1.099401	0.161871	0.911649	0.87781317	7.409463
2561	493330.5	3860293.11	0.56394	0.51044	1.03739	1.13014	2.32605	1.09642	0.50838	0.51044	5.78653622	0.229721308	2.632E-05	0.058543	1.072659	0.151684	0.877723	0.84576797	7.331125

2562	493380.5	3860293.11	0.56288	0.49234	1.04917	1.0876	2.25748	1.05328	0.48962	0.49234	5.77565966	0.221575481	2.662E-05	0.056339	1.041038	0.145716	0.845334	0.81577737	7.269911
2563	492880.5	3860343.11	0.62545	0.67992	1.07427	1.38482	2.44256	2.60138	0.67724	0.67992	6.41768464	0.305995047	2.725E-05	0.071736	1.126387	0.359888	1.169262	1.126586	8.324394
2564	492930.5	3860343.11	0.6163	0.66081	1.08314	1.31601	2.47297	2.38373	0.6579	0.66081	6.32379734	0.297394674	2.748E-05	0.068171	1.140411	0.329777	1.135871	1.09492189	8.200528
2565	492980.5	3860343.11	0.6162	0.63948	1.12116	1.40972	2.53228	2.15984	0.63321	0.63948	6.32277125	0.2877952	2.844E-05	0.073025	1.167762	0.298803	1.093243	1.05957938	8.18385
2566	493030.5	3860343.11	0.60742	0.62567	1.1094	1.39939	2.53776	1.98105	0.619	0.62567	6.23268048	0.281580069	2.814E-05	0.07249	1.170289	0.274069	1.06871	1.03669706	8.063149
2567	493080.5	3860343.11	0.60839	0.63614	1.06926	1.44583	2.56788	1.71202	0.63599	0.63614	6.24263356	0.286292047	2.712E-05	0.074896	1.184179	0.23685	1.098043	1.05404521	8.068875
2568	493130.5	3860343.11	0.59727	0.62325	1.05971	1.39983	2.54068	1.62505	0.62328	0.62325	6.12853227	0.280490959	2.688E-05	0.072513	1.171635	0.224818	1.076099	1.03268726	7.921428
2569	493180.5	3860343.11	0.58216	0.58285	1.06264	1.30893	2.48713	1.57667	0.57632	0.58285	5.97348995	0.262309114	2.696E-05	0.067804	1.146941	0.218125	0.995022	0.96574693	7.697971
2570	493230.5	3860343.11	0.57386	0.56341	1.04501	1.26448	2.44901	1.48404	0.5578	0.56341	5.88832442	0.253560226	2.651E-05	0.065502	1.129362	0.20531	0.963047	0.93353603	7.571596
2571	493280.5	3860343.11	0.57092	0.56581	1.00798	1.26327	2.4231	1.35585	0.56432	0.56581	5.85815735	0.254640336	2.557E-05	0.065439	1.117413	0.187575	0.974304	0.93751268	7.520043
2572	493330.5	3860343.11	0.56659	0.55182	0.97432	1.24371	2.38237	1.24148	0.55085	0.55182	5.81372762	0.248344197	2.472E-05	0.064426	1.098631	0.171753	0.951048	0.91433211	7.433622
2573	493380.5	3860343.11	0.56001	0.53463	0.94835	1.20144	2.32516	1.15163	0.53349	0.53463	5.74621085	0.240607912	2.406E-05	0.062236	1.072248	0.159322	0.921076	0.88584932	7.315876
2574	492880.5	3860393.11	0.63777	0.69049	1.08084	1.46506	2.31877	3.69173	0.68933	0.69049	6.54409902	0.310752029	2.742E-05	0.075892	1.069302	0.510733	1.190135	1.14409985	8.55684
2575	492930.5	3860393.11	0.62821	0.67001	1.06272	1.42114	2.37116	3.28183	0.66825	0.67001	6.44600475	0.301535094	2.696E-05	0.073617	1.093461	0.454025	1.15374	1.11016573	8.412245
2576	492980.5	3860393.11	0.62178	0.64491	1.0605	1.36831	2.42467	2.8819	0.64218	0.64491	6.38002711	0.290238948	2.69E-05	0.07088	1.118137	0.398697	1.10873	1.06857656	8.298161
2577	493030.5	3860393.11	0.6146	0.62946	1.09456	1.31315	2.45984	2.59405	0.62721	0.62946	6.3063538	0.283285742	2.777E-05	0.068023	1.134356	0.358874	1.082884	1.04297686	8.190828
2578	493080.5	3860393.11	0.61409	0.65198	1.07568	1.28691	2.50799	2.28531	0.64963	0.65198	6.30112073	0.293420771	2.729E-05	0.066664	1.15656	0.316161	1.121593	1.08029112	8.175256
2579	493130.5	3860393.11	0.60095	0.62604	1.08059	1.23895	2.49264	2.16068	0.61943	0.62604	6.16629241	0.281746586	2.741E-05	0.064179	1.149482	0.29892	1.069452	1.03731012	7.992789
2580	493180.5	3860393.11	0.58645	0.58998	1.0852	1.18002	2.45834	2.02979	0.58773	0.58998	6.01750925	0.26551794	2.753E-05	0.061127	1.133664	0.280812	1.014722	0.9775609	7.795818
2581	493230.5	3860393.11	0.57882	0.57375	1.07448	1.19486	2.44209	1.88631	0.57083	0.57375	5.93921852	0.258213699	2.726E-05	0.061895	1.126171	0.260962	0.985544	0.95066878	7.681362
2582	493280.5	3860393.11	0.57573	0.58705	1.05118	1.23426	2.4349	1.72899	0.58156	0.58705	5.90751232	0.264199306	2.667E-05	0.063936	1.122855	0.239197	1.004069	0.97270607	7.62909
2583	493330.5	3860393.11	0.57095	0.57929	1.02867	1.23872	2.40907	1.58913	0.57742	0.57929	5.85846518	0.260706952	2.61E-05	0.064167	1.110943	0.219848	0.996921	0.95984822	7.551231
2584	493380.5	3860393.11	0.56454	0.56404	1.00896	1.22503	2.36783	1.47837	0.56247	0.56404	5.79269276	0.253843755	2.56E-05	0.063458	1.091926	0.204525	0.97111	0.9345799	7.443002
2585	492880.5	3860443.11	0.65527	0.70739	1.10108	1.35255	2.18226	6.68996	0.6983	0.70739	6.72366491	0.318357801	2.793E-05	0.070064	1.00635	0.925523	1.205622	1.17210212	9.077508
2586	492930.5	3860443.11	0.6415	0.68819	1.08401	1.35994	2.23649	5.20272	0.67813	0.68819	6.58237221	0.309716924	2.75E-05	0.070447	1.031358	0.719771	1.170798	1.14028889	8.744202
2587	492980.5	3860443.11	0.63193	0.65259	1.07565	1.36213	2.29834	4.43733	0.65256	0.65259	6.48417532	0.293695299	2.729E-05	0.07056	1.05988	0.613883	1.126651	1.08130186	8.567571
2588	493030.5	3860443.11	0.62348	0.63682	1.0645	1.34419	2.35103	3.77439	0.6359	0.63682	6.39747066	0.286598079	2.7E-05	0.069631	1.084178	0.522168	1.097888	1.05517193	8.402789
2589	493080.5	3860443.11	0.61348	0.62328	1.04216	1.31043	2.38231	3.2816	0.62183	0.62328	6.29486158	0.28050446	2.644E-05	0.067882	1.098603	0.453993	1.073596	1.03273697	8.23673
2590	493130.5	3860443.11	0.60432	0.61356	1.02716	1.26853	2.40471	2.91673	0.6123	0.61356	6.20087167	0.276130016	2.606E-05	0.065712	1.108933	0.403515	1.057142	1.01663152	8.095698
2591	493180.5	3860443.11	0.59073	0.60729	1.00676	1.21927	2.3925	2.75485	0.60529	0.60729	6.06142593	0.27330823	2.554E-05	0.06316	1.103302	0.38112	1.045039	1.00624252	7.921139
2592	493230.5	3860443.11	0.58642	0.58969	1.04667	1.17328	2.41292	2.39784	0.58726	0.58969	6.01720142	0.265387426	2.655E-05	0.060778	1.112719	0.331729	1.01391	0.97708039	7.824671
2593	493280.5	3860443.11	0.58029	0.57591	1.05337	1.13511	2.41279	2.17309	0.57403	0.57591	5.95430206	0.259185797	2.672E-05	0.0588	1.112659	0.300636	0.991069	0.95424777	7.722431
2594	493330.5	3860443.11	0.57662	0.58537	1.04089	1.09443	2.41017	2.02267	0.58052	0.58537	5.91664453	0.263443229	2.641E-05	0.056693	1.111451	0.279826	1.002274	0.96992241	7.660436
2595	493380.5	3860443.11	0.56787	0.5642	1.03541	1.09483	2.37727	1.89722	0.55919	0.5642	5.82686158	0.253915763	2.627E-05	0.056714	1.096279	0.262471	0.965447	0.93484501	7.52687
2596	493180.5	3860493.11	0.60209	0.61024	1.01894	1.22458	2.32419	3.95327	0.61081	0.61024	6.17798984	0.274635865	2.585E-05	0.063435	1.071801	0.546916	1.05457	1.01113049	8.178242
2597	493230.5	3860493.11	0.59437	0.59609	1.00426	1.20557	2.34995	3.42887	0.59597	0.59609	6.09877564	0.268267719	2.548E-05	0.06245	1.08368	0.474367	1.028948	0.9876848	8.02883
2598	493280.5	3860493.11	0.58769	0.58606	0.99228	1.17734	2.36769	3.01925	0.58527	0.58606	6.03023277	0.263753761	2.517E-05	0.060988	1.091861	0.417698	1.010475	0.9710657	7.903968
2599	493330.5	3860493.11	0.58046	0.57269	1.013	1.15143	2.37058	2.6413	0.57209	0.57269	5.95604641	0.25773665	2.57E-05	0.059646	1.093194	0.365411	0.987719	0.94891243	7.770866
2600	493380.5	3860493.11	0.57093	0.56012	1.01137	1.10758	2.35294	2.43641	0.55912	0.56012	5.85825996	0.252079576	2.566E-05	0.057374	1.085059	0.337065	0.965326	0.9280847	7.627106
2601	493330.5	3860543.11	0.58884	0.57545	0.99765	1.12737	2.3155	4.00092	0.57704	0.57545	6.04203282	0.258978776	2.531E-05	0.058399	1.067794	0.553508	0.996265	0.95348558	8.023517
2602	493380.5	3860543.11	0.57806	0.56563	0.97323	1.11372	2.31135	3.50984	0.56728	0.56563	5.93142023	0.254559328	2.469E-05	0.057692	1.06588	0.485569	0.979415	0.93721444	7.837346
2603	494135.94	3860876.85	0.50553	0.52566	0.77765	0.80297	1.92447	3.89986	0.49522	0.52566	5.18719661	0.236571003	1.973E-05	0.041595	0.88747	0.539527	0.855002	0.87098658	6.876395
2604	494185.94	3860876.85	0.49835	0.51328	0.77225	0.78663	1.8983	4.62121	0.49044	0.51328	5.11352329	0.230999437	1.959E-05	0.040749	0.875402	0.639322	0.84675	0.85047368	6.89629
2605	494135.94	3860926.85	0.51304	0.55209	0.75263	0.82973	1.91153	2.64388	0.51535	0.55209	5.26425602	0.24846571	1.909E-05	0.042981	0.881503	0.365768	0.889757	0.91477948	6.77797
2606	494185.94	3860926.85	0.50544	0.54268	0.75	0.78859	1.89716	2.88219	0.50189	0.54268	5.18627312	0.24423078	1.903E-05	0.04085	0.874876	0.398737	0.866518	0.89918768	6.712316
2607	494135.94	3860976.85	0.52193	0.57847	0.7939	0.89608	1.88338	2.11162	0.54156	0.57847	5.35547549	0.260337914	2.014E-05	0.046418	0.868521	0.292132	0.935009	0.95848953	6.799425
2608	494185.94	3860976.85	0.51375	0.57036	0.77064	0.85696	1.87958	2.23779	0.52773	0.57036	5.27154127	0.256688044	1.955E-05	0.044392	0.866769	0.309587	0.911131	0.94505176	6.715076
2609	494135.94	3861026.85	0.53106	0.60107	0.82954	0.94041	1.83739	1.78049	0.5722	0.60107	5.44915758	0.270508946	2.104E-05	0.048715	0.847313	0.246322	0.987909	0.99593636	6.85401
2610	494185.94	3861026.85	0.52251	0.59531	0.80799	0.9091	1.84417	1.86464	0.55902	0.59531	5.36142682	0.267916683	2.05E-05	0.047093	0.85044	0.257964	0.965154	0.98639239	6.763621
2611	494135.94	3861076.85	0.54013	0.6309	0.8591	0.95442	1.7779	1.54974	0.60405	0.6309	5.54222401	0.283933808	2.179E-05	0.04944	0.819879	0.214399	1.042898	1.04536285	6.907434
2612	494185.94	3861076.85	0.53127	0.62498	0.83933	0.93451	1.79334	1.61023	0.59578	0.62498	5.45131237	0.281269538	2.129E-05	0.048409	0.826999	0.222767	1.02862	1.03555377	6.823845
2613	490360.04	3858710.04	0.93557	0.4999	2.65037	2.0728	5.79224	1.09358	0.52543	0.4999	9.5997973	0.224977826	6.723E-05	0.107374	2.671094	0.151291	0.90716	0.82830383	12.83346
2614	490410.04	3858710.04	0.93389	0.48034	2.89686	2.06809	5.64755	1.05007	0.50844	0.48034	9.58255898	0.216174933	7.349E-05	0.10713	2.60437	0.145272	0.877827	0.7958941	12.73751
2615	490460.04	3858710.04	0.93548	0.45783	2.88422	1.97995	5.48886	0.99231	0.48719	0.45783	9.59887382	0.206044405	7.317E-05	0.102564	2.53119	0.137281	0.841138	0.75859641	12.65857
2616	490510.04	3858710.04	0.93379	0.44386	2.37465	1.77841	5.26982	0.95093	0.47074	0.44386	9.58153288	0.199757268	6.024E-05	0.092124	2.430179	0.131557	0.812737	0.73544897	12.5125
2617	490560.04	3858710.04	0.93117	0.43551	1.93053	1.91209	5.01912	0.91574	0.45698	0.43551	9.55464931	0.195999386	4.897E-05	0.099049	2.314569	0.126688	0.788981	0.72161353	12.35837
2618	490610.04	3858710.04	0.92916	0.42819	2.30031	2.15029	4.7521	0.87864	0.44913	0.42819	9.53402488	0.192705052	5.835E-05	0.111388	2.191433	0.121556	0.775427	0.70948473	12.21711

2619	490660.04	3858710.04	0.92434	0.42528	2.31016	2.16367	4.45874	0.85839	0.43988	0.42528	9.48456731	0.191395419	5.86E-05	0.112081	2.05615	0.118754	0.759457	0.70466304	12.0178
2620	490710.04	3858710.04	0.92442	0.4145	2.05401	2.00131	4.17833	0.81336	0.43329	0.4145	9.48538818	0.186543927	5.211E-05	0.103671	1.926838	0.112524	0.74808	0.68680124	11.8763
2621	490760.04	3858710.04	0.9234	0.40482	2.02511	1.79383	3.88773	0.77537	0.42496	0.40482	9.47492206	0.182187485	5.137E-05	0.092923	1.792828	0.107269	0.733698	0.67076207	11.71312
2622	490810.04	3858710.04	0.92246	0.3947	1.79905	1.7005	3.74554	0.73838	0.41643	0.3947	9.4652768	0.177633023	4.564E-05	0.088088	1.727257	0.102151	0.718971	0.65399384	11.62543
2623	490860.04	3858710.04	0.92349	0.38071	1.96985	1.6205	3.76584	0.69154	0.40882	0.38071	9.47584554	0.171336884	4.997E-05	0.083944	1.736618	0.095671	0.705832	0.63081327	11.63848
2624	490360.04	3858760.04	0.94163	0.51488	3.05566	1.96082	5.8202	1.11103	0.5398	0.51488	9.6619784	0.231719511	7.752E-05	0.101573	2.683987	0.153706	0.93197	0.85312478	12.91189
2625	490410.04	3858760.04	0.94099	0.49938	3.01301	1.86649	5.75628	1.06437	0.52124	0.49938	9.65541142	0.224743803	7.643E-05	0.096687	2.654511	0.14725	0.899926	0.82744222	12.85116
2626	490460.04	3858760.04	0.94133	0.48112	2.48302	1.68265	5.65403	1.01332	0.50133	0.48112	9.65890013	0.216525969	6.299E-05	0.087164	2.607358	0.140188	0.865551	0.79718652	12.77856
2627	490510.04	3858760.04	0.94205	0.45816	2.09368	1.73012	5.51152	0.9599	0.48097	0.45816	9.66628798	0.206192921	5.311E-05	0.089623	2.541639	0.132797	0.8304	0.7591432	12.70785
2628	490560.04	3858760.04	0.94069	0.43647	2.44411	1.96697	5.31916	0.91788	0.46986	0.43647	9.65233315	0.19643143	6.2E-05	0.101892	2.452933	0.126984	0.811218	0.72320419	12.61865
2629	490610.04	3858760.04	0.94003	0.4262	2.38143	2.05023	5.10139	0.87304	0.46231	0.4262	9.64556095	0.191809461	6.041E-05	0.106205	2.352508	0.120781	0.798183	0.70618742	12.50892
2630	490660.04	3858760.04	0.93856	0.41682	2.22508	1.89332	4.85598	0.8337	0.45377	0.41682	9.63047741	0.187588033	5.645E-05	0.098077	2.239337	0.115338	0.783439	0.69064534	12.36367
2631	490710.04	3858760.04	0.93725	0.40728	2.07926	1.81176	4.59355	0.79476	0.44549	0.40728	9.61703563	0.183294597	5.275E-05	0.093852	2.118317	0.109951	0.769143	0.67483814	12.21681
2632	490760.04	3858760.04	0.93741	0.39435	2.08255	1.61194	4.32252	0.7486	0.43715	0.39435	9.61867737	0.177475507	5.283E-05	0.083501	1.993332	0.103565	0.754744	0.65341391	12.07793
2633	490810.04	3858760.04	0.93704	0.38289	2.19724	1.55967	4.04164	0.70684	0.42839	0.38289	9.61488083	0.172317984	5.574E-05	0.080793	1.863804	0.097788	0.73962	0.63442539	11.93483
2634	490860.04	3858760.04	0.93572	0.37372	2.3182	1.52682	3.76033	0.67219	0.42161	0.37372	9.60133644	0.168191065	5.881E-05	0.079091	1.734078	0.092994	0.727914	0.61923126	11.78443
2635	490360.04	3858810.04	0.94845	0.53649	3.15437	1.7858	5.73257	1.10591	0.55363	0.53649	9.73195779	0.241444997	8.002E-05	0.092507	2.643577	0.152997	0.955848	0.88893123	12.92948
2636	490410.04	3858810.04	0.9487	0.51604	2.58802	1.64762	5.74843	1.05731	0.53325	0.51604	9.73452302	0.232241563	6.565E-05	0.085349	2.650891	0.146274	0.920662	0.85504683	12.91496
2637	490460.04	3858810.04	0.94935	0.49562	2.25671	1.62342	5.71726	1.00616	0.51229	0.49562	9.74119261	0.223051631	5.725E-05	0.084095	2.636517	0.139197	0.884474	0.82121213	12.88737
2638	490510.04	3858810.04	0.94782	0.47974	2.56236	1.79663	5.62556	0.96638	0.49509	0.47974	9.72549342	0.215904906	6.5E-05	0.093068	2.594229	0.133694	0.854778	0.79489994	12.82233
2639	490560.04	3858810.04	0.94686	0.45804	2.39702	1.91516	5.49764	0.92378	0.48263	0.45804	9.71564295	0.206138915	6.081E-05	0.099208	2.535239	0.1278	0.833266	0.75894436	12.75841
2640	490610.04	3858810.04	0.94836	0.42592	2.39314	1.82479	5.34546	0.86813	0.4753	0.42592	9.73103431	0.191683448	6.071E-05	0.094527	2.465061	0.120102	0.82061	0.70572348	12.71735
2641	490660.04	3858810.04	0.94791	0.41416	2.1594	1.78504	5.15102	0.8237	0.46749	0.41416	9.7264169	0.186390911	5.478E-05	0.092468	2.375395	0.113955	0.807126	0.68623788	12.61557
2642	490710.04	3858810.04	0.94832	0.40059	2.37474	1.55151	4.93297	0.77515	0.4598	0.40059	9.73062387	0.180283792	6.024E-05	0.08037	2.274841	0.107238	0.793849	0.66375321	12.50351
2643	490760.04	3858810.04	0.95091	0.38222	2.47026	1.48606	4.69763	0.71493	0.45071	0.38222	9.75719962	0.172016453	6.267E-05	0.07698	2.166314	0.098907	0.778155	0.63331524	12.41632
2644	490810.04	3858810.04	0.94745	0.37739	2.44677	1.46828	4.43238	0.69142	0.44324	0.37739	9.72169688	0.169842732	6.207E-05	0.076059	2.043994	0.095655	0.765258	0.62531223	12.24725
2645	490860.04	3858810.04	0.94799	0.36397	2.14071	1.43233	4.16463	0.67139	0.43633	0.36397	9.72723777	0.16380312	5.431E-05	0.074197	1.920521	0.092884	0.753328	0.60307611	12.12895
2646	490360.04	3858860.04	0.95525	0.55019	2.69707	1.66971	5.532	1.0754	0.56642	0.55019	9.80173196	0.247610623	6.842E-05	0.086493	2.551084	0.148776	0.97793	0.9116313	12.90206
2647	490410.04	3858860.04	0.95239	0.53681	2.4004	1.63059	5.5927	1.04528	0.55085	0.53681	9.77238577	0.241589012	6.089E-05	0.084467	2.579076	0.144609	0.951048	0.88946145	12.88377
2648	490460.04	3858860.04	0.95462	0.51023	2.67968	1.65075	5.64441	0.98923	0.52669	0.51023	9.79526759	0.229626798	6.798E-05	0.085511	2.602922	0.136855	0.909336	0.84542001	12.91417
2649	490510.04	3858860.04	0.95149	0.50076	2.61782	1.78503	5.61287	0.96134	0.5122	0.50076	9.76315095	0.225364866	6.641E-05	0.092467	2.588377	0.132997	0.884318	0.8297288	12.85701
2650	490560.04	3858860.04	0.95255	0.47414	2.5353	1.75897	5.56426	0.91066	0.49791	0.47414	9.77402751	0.21338465	6.432E-05	0.091117	2.56596	0.125985	0.859647	0.78562108	12.84457
2651	490610.04	3858860.04	0.95667	0.43359	2.55922	1.7307	5.48568	0.84278	0.49284	0.43359	9.81630245	0.195135299	6.492E-05	0.089653	2.529723	0.116594	0.850893	0.7184322	12.87993
2652	490660.04	3858860.04	0.9564	0.40906	2.65703	1.59579	5.34725	0.79992	0.48426	0.40906	9.81353201	0.184095679	6.74E-05	0.082664	2.465886	0.110665	0.83608	0.67778749	12.8152
2653	490710.04	3858860.04	0.95433	0.40106	2.74608	1.44879	5.17084	0.76798	0.47404	0.40106	9.79229193	0.180495313	6.966E-05	0.075049	2.384535	0.106246	0.818435	0.66453198	12.69259
2654	490760.04	3858860.04	0.95701	0.38227	2.46482	1.40902	4.97983	0.70949	0.46523	0.38227	9.81979116	0.172038955	6.253E-05	0.072989	2.29645	0.098154	0.803224	0.63339809	12.62931
2655	490810.04	3858860.04	0.95877	0.36555	2.02011	1.37047	4.76026	0.69044	0.46027	0.36555	9.83785036	0.164514192	5.125E-05	0.070992	2.195196	0.095519	0.794661	0.60569407	12.55309
2656	490860.04	3858860.04	0.96074	0.34872	2.01847	1.32848	4.5161	0.67807	0.45417	0.34872	9.85806434	0.156939923	5.12E-05	0.068817	2.082601	0.093808	0.784129	0.57780779	12.4666
2657	490360.04	3858910.04	0.95151	0.58434	2.52108	1.6748	5.15447	1.13792	0.59525	0.58434	9.76335617	0.262979682	6.395E-05	0.086757	2.376986	0.157426	1.027705	0.96821577	12.70706
2658	490410.04	3858910.04	0.95198	0.55964	2.68518	1.62783	5.30821	1.09181	0.57392	0.55964	9.76817879	0.251863554	6.812E-05	0.084324	2.447883	0.151047	0.990879	0.92728937	12.76695
2659	490460.04	3858910.04	0.95325	0.53505	2.88778	1.66421	5.42204	1.04182	0.5512	0.53505	9.78121015	0.240796932	7.326E-05	0.086208	2.500376	0.144131	0.951652	0.88654524	12.8179
2660	490510.04	3858910.04	0.95528	0.50913	2.70063	1.68609	5.49323	0.98763	0.52767	0.50913	9.80203979	0.229131748	6.851E-05	0.087342	2.533205	0.136634	0.911028	0.84359738	12.85585
2661	490560.04	3858910.04	0.95806	0.47814	2.97154	1.66162	5.52019	0.92902	0.51557	0.47814	9.83056511	0.215184833	7.538E-05	0.086074	2.545638	0.128525	0.890137	0.79224884	12.90395
2662	490610.04	3858910.04	0.96094	0.44339	3.01066	1.60773	5.49997	0.86912	0.50992	0.44339	9.86011653	0.199545746	7.637E-05	0.083283	2.536313	0.120239	0.880382	0.73467021	12.94528
2663	490660.04	3858910.04	0.96156	0.41475	2.83572	1.43725	5.42757	0.8195	0.50117	0.41475	9.86647829	0.186656438	7.194E-05	0.074452	2.502926	0.113374	0.865275	0.68721547	12.92202
2664	490710.04	3858910.04	0.9636	0.38775	2.33342	1.39017	5.32058	0.76314	0.49081	0.38775	9.88741054	0.174505205	5.919E-05	0.072013	2.453587	0.105577	0.847388	0.64247812	12.89806
2665	490760.04	3858910.04	0.96739	0.36569	2.22826	1.33376	5.18038	0.70572	0.48582	0.36569	9.92629938	0.164577198	5.653E-05	0.069091	2.388934	0.097633	0.838773	0.60592604	12.87944
2666	490810.04	3858910.04	0.96767	0.35291	2.10862	1.29471	5.00023	0.69532	0.47798	0.35291	9.92917243	0.158825615	5.349E-05	0.067068	2.305858	0.096194	0.825237	0.58475036	12.79766
2667	490860.04	3858910.04	0.97134	0.33697	1.87381	1.24085	4.79007	0.6814	0.4711	0.33697	9.96682996	0.151651887	4.753E-05	0.064278	2.208943	0.094268	0.813359	0.55833875	12.74104
2668	490360.04	3858960.04	0.97715	0.60206	3.00842	1.65613	4.72162	1.19097	0.61866	0.60206	10.0264458	0.270954491	7.632E-05	0.08579	2.177377	0.164765	1.068123	0.99757673	12.79595
2669	490410.04	3858960.04	0.95708	0.56867	3.10962	1.60935	4.94358	1.13721	0.59306	0.56867	9.82050942	0.255927467	7.888E-05	0.083367	2.279734	0.157327	1.023924	0.94225153	12.67862
2670	490460.04	3858960.04	0.95482	0.53425	3.27451	1.61057	5.12877	1.07837	0.56558	0.53425	9.79731977	0.240436895	8.307E-05	0.08343	2.365134	0.149187	0.97648	0.88521969	12.72685
2671	490510.04	3858960.04	0.95717	0.50703	3.31051	1.58998	5.26268	1.02452	0.54758	0.50703	9.8214329	0.228186652	8.398E-05	0.082363	2.426887	0.141737	0.945402	0.84011781	12.80598
2672	490560.04	3858960.04	0.95947	0.47971	3.23232	1.59784	5.35074	0.97054	0.53774	0.47971	9.84503299	0.215891405	8.2E-05	0.08277	2.467496	0.134269	0.928414	0.79485023	12.87911
2673	490610.04	3858960.04	0.96465	0.43891	2.73295	1.44257	5.40351	0.90113	0.52927	0.43891	9.89818449	0.197529542	6.933E-05	0.074727	2.491831	0.124667	0.91379	0.72724712	12.97355
2674	490660.04	3858960.04	0.96319	0.42089	2.48561	1.4124	5.38936	0.86561	0.51731	0.42089	9.88320357	0.189419719	6.305E-05	0.073164	2.485305	0.119753	0.893141	0.69738908	12.94666
2675	490710.04	3858960.04	0.96803	0.38016	2.34365	1.35299	5.35139	0.79698	0.50932	0.38016	9.93286636	0.171089359	5.945E-05	0.070087	2.467795	0.110258	0.879346	0.62990195	13.0016

2676	490760.04	3858960.04	0.9712	0.35689	2.07279	1.29648	5.26748	0.73651	0.50103	0.35689	9.96539344	0.160616796	5.258E-05	0.067159	2.4291	0.101893	0.865033	0.59134498	12.9979
2677	490810.04	3858960.04	0.9744	0.33741	2.15008	1.24006	5.13732	0.6951	0.49239	0.33741	9.99822834	0.151849907	5.454E-05	0.064237	2.369077	0.096164	0.850116	0.55906781	12.97066
2678	490860.04	3858960.04	0.97932	0.33073	2.27761	1.17142	4.97494	0.67976	0.48337	0.33073	10.048712	0.148843602	5.778E-05	0.060681	2.294195	0.094041	0.834543	0.54799945	12.93308
2679	490360.04	3859010.04	1.01094	0.61791	3.4833	1.64888	4.21929	1.23375	0.64196	0.61791	10.3731619	0.278087715	8.836E-05	0.085414	1.945727	0.170683	1.10835	1.02383921	12.93767
2680	490410.04	3859010.04	0.99162	0.57648	3.84985	1.59405	4.49183	1.17252	0.61238	0.57648	10.1749212	0.259442323	9.766E-05	0.082574	2.071409	0.162212	1.05728	0.95519222	12.85274
2681	490460.04	3859010.04	0.97525	0.52767	3.61317	1.53664	4.73889	1.09815	0.58035	0.52767	10.0069501	0.237475595	9.166E-05	0.0796	2.185341	0.151924	1.00198	0.87431703	12.78905
2682	490510.04	3859010.04	0.95915	0.48513	3.20249	1.568	4.94057	1.02603	0.56773	0.48513	9.8417495	0.218330652	8.124E-05	0.081225	2.278346	0.141946	0.980192	0.80383084	12.73804
2683	490560.04	3859010.04	0.95928	0.46797	2.76014	1.47255	5.07869	0.98684	0.55506	0.46797	9.84308342	0.210607868	7.002E-05	0.07628	2.34204	0.136524	0.958317	0.77539777	12.79152
2684	490610.04	3859010.04	0.96487	0.42855	2.60706	1.39795	5.19178	0.91749	0.54361	0.42855	9.90044189	0.192867068	6.614E-05	0.072416	2.394191	0.12693	0.938548	0.71008123	12.91538
2685	490660.04	3859010.04	0.96367	0.41374	2.34152	1.37431	5.24314	0.88626	0.5321	0.41374	9.8881288	0.186201892	5.94E-05	0.071191	2.417876	0.12261	0.918676	0.68554196	12.9192
2686	490710.04	3859010.04	0.96971	0.37127	2.60761	1.3126	5.26848	0.81329	0.5225	0.37127	9.95010469	0.167088453	6.615E-05	0.067995	2.429561	0.112515	0.902102	0.61517176	13.01426
2687	490760.04	3859010.04	0.97431	0.34734	2.72137	1.25319	5.23933	0.74837	0.51217	0.34734	9.99730486	0.15631886	6.904E-05	0.064917	2.416119	0.103533	0.884267	0.57552121	13.04701
2688	490810.04	3859010.04	0.97895	0.33676	2.66917	1.19042	5.1678	0.68892	0.50087	0.33676	10.0449155	0.151557377	6.771E-05	0.061665	2.383133	0.095309	0.864757	0.55799079	13.04341
2689	490860.04	3859010.04	0.98232	0.32752	2.48952	1.1295	5.062	0.67587	0.48961	0.32752	10.0794947	0.147398955	6.315E-05	0.05851	2.334343	0.093503	0.845317	0.54268068	13.01595
2690	490360.04	3859060.04	1.04497	0.62758	4.29201	1.65505	3.84715	1.2585	0.66009	0.62758	10.7223406	0.282439657	0.0001089	0.085734	1.774115	0.174107	1.139652	1.03986181	13.13864
2691	490410.04	3859060.04	1.0293	0.56541	3.71491	1.57496	4.00042	1.172	0.61855	0.56541	10.5615522	0.254460318	9.424E-05	0.081585	1.844795	0.16214	1.067933	0.93684991	13.03571
2692	490460.04	3859060.04	1.01134	0.51829	3.0763	1.53173	4.27484	1.10204	0.59352	0.51829	10.3772663	0.233254166	7.804E-05	0.079346	1.971344	0.152462	1.024718	0.85877494	12.97969
2693	490510.04	3859060.04	0.99273	0.48165	2.91987	1.48593	4.51201	1.04147	0.57854	0.48165	10.1863108	0.216764493	7.407E-05	0.076973	2.080715	0.144082	0.998855	0.79806469	12.90571
2694	490560.04	3859060.04	0.97705	0.43977	2.83733	1.39018	4.71906	0.96813	0.56417	0.43977	10.0254197	0.197916581	7.198E-05	0.072013	2.176196	0.133936	0.974045	0.72867209	12.85093
2695	490610.04	3859060.04	0.96046	0.41701	3.16618	1.35269	4.87619	0.92196	0.55232	0.41701	9.85519129	0.187673542	8.032E-05	0.070071	2.248657	0.127549	0.953586	0.69096015	12.75185
2696	490660.04	3859060.04	0.96219	0.39497	3.25951	1.31907	4.99342	0.8789	0.54053	0.39497	9.87294266	0.177754535	8.269E-05	0.06833	2.302717	0.121592	0.933231	0.65444122	12.82221
2697	490710.04	3859060.04	0.96913	0.3702	3.08391	1.25713	5.07184	0.8041	0.52821	0.3702	9.94415336	0.166606904	7.823E-05	0.065121	2.338881	0.111243	0.91196	0.61339884	12.92464
2698	490760.04	3859060.04	0.97462	0.35689	2.76054	1.20264	5.10092	0.73873	0.51499	0.35689	10.0004857	0.160616796	7.003E-05	0.062298	2.352291	0.1022	0.889135	0.59134498	12.97575
2699	490810.04	3859060.04	0.98031	0.34413	2.3531	1.13734	5.09008	0.67852	0.5012	0.34413	10.0588703	0.154874214	5.969E-05	0.058916	2.347292	0.09387	0.865327	0.57020244	13.00901
2700	490860.04	3859060.04	0.98457	0.33293	2.54522	1.07687	5.60822	0.66481	0.4892	0.33293	10.1025818	0.149833702	6.457E-05	0.055783	2.586233	0.091973	0.844609	0.55164472	13.27943
2701	490360.04	3859110.04	1.07481	0.6509	3.38079	1.67008	3.66262	1.29087	0.68409	0.6509	11.0285261	0.292934721	8.576E-05	0.086512	1.689019	0.178586	1.181088	1.07850163	13.37825
2702	490410.04	3859110.04	1.05941	0.58289	3.26063	1.58064	3.75579	1.19901	0.63911	0.58289	10.8705081	0.262327116	8.272E-05	0.081879	1.731984	0.165877	1.10343	0.9658132	13.25028
2703	490460.04	3859110.04	1.03974	0.53923	3.67492	1.51817	3.79079	1.13725	0.60722	0.53923	10.668676	0.242678122	9.322E-05	0.078643	1.748124	0.157333	1.048371	0.89347124	13.05045
2704	490510.04	3859110.04	1.02857	0.46489	3.89662	1.41456	4.03262	1.02549	0.58021	0.46489	10.5540617	0.209221728	9.885E-05	0.073276	1.859644	0.141872	1.001738	0.7702944	13.06962
2705	490560.04	3859110.04	1.01119	0.43103	3.83952	1.35291	4.27357	0.9603	0.5663	0.43103	10.3757271	0.193983182	9.74E-05	0.070083	1.970758	0.132853	0.977723	0.71419044	13.00703
2706	490610.04	3859110.04	0.99561	0.41275	3.48849	1.28849	4.48294	0.88827	0.55008	0.41275	10.2158622	0.185756347	8.85E-05	0.066746	2.067309	0.122888	0.949719	0.68390159	12.92447
2707	490660.04	3859110.04	0.98201	0.39417	2.95338	1.22148	4.64745	0.80871	0.5338	0.39417	10.0763138	0.177394499	7.492E-05	0.063274	2.143173	0.111881	0.921611	0.65311567	12.84061
2708	490710.04	3859110.04	0.96669	0.38115	3.31988	1.18722	4.77319	0.76537	0.52235	0.38115	9.91911674	0.171534904	8.422E-05	0.0615	2.201158	0.105885	0.901843	0.63154232	12.72958
2709	490760.04	3859110.04	0.97193	0.36681	3.41788	1.13633	4.86052	0.70752	0.50856	0.36681	9.9728839	0.165081249	8.67E-05	0.058863	2.241431	0.097882	0.878034	0.60778181	12.80648
2710	490810.04	3859110.04	0.97921	0.3514	3.25453	1.07194	5.42692	0.6641	0.49554	0.3514	10.0475833	0.158146046	8.256E-05	0.055528	2.502626	0.091875	0.855555	0.58224838	13.12915
2711	490860.04	3859110.04	0.98588	0.33726	2.96038	1.00656	5.57027	0.6468	0.4817	0.33726	10.1160236	0.1517824	7.51E-05	0.052141	2.568732	0.089482	0.83166	0.55881926	13.25108
2712	490360.04	3859160.04	1.10137	0.68674	4.82943	1.69859	3.40488	1.33074	0.71647	0.68674	11.3010558	0.309064358	0.0001225	0.087989	1.570162	0.184101	1.236993	1.13788632	13.5516
2713	490410.04	3859160.04	1.0855	0.61579	5.01657	1.60453	3.54757	1.23847	0.67023	0.61579	11.1382152	0.277133618	0.0001273	0.083117	1.635963	0.171336	1.157159	1.0203265	13.44272
2714	490460.04	3859160.04	1.06873	0.55441	4.70568	1.52165	3.64237	1.15508	0.62706	0.55441	10.9661398	0.249509816	0.0001194	0.078824	1.67968	0.1598	1.082625	0.91862358	13.29807
2715	490510.04	3859160.04	1.05302	0.49526	4.1034	1.43765	3.6956	1.06995	0.58704	0.49526	10.8049409	0.222889615	0.0001041	0.074472	1.704227	0.148022	1.013531	0.82061563	13.14757
2716	490560.04	3859160.04	1.04079	0.45405	4.56252	1.34182	3.77671	0.96747	0.5656	0.45405	10.67945	0.204343233	0.0001157	0.069508	1.741631	0.133845	0.976514	0.75233318	13.05307
2717	490610.04	3859160.04	1.0236	0.43563	4.76923	1.281	4.01835	0.90389	0.55008	0.43563	10.503065	0.196053392	0.000121	0.066358	1.853064	0.125049	0.949719	0.72181236	12.97162
2718	490660.04	3859160.04	1.01814	0.40651	4.23627	1.16405	4.22339	0.76871	0.52184	0.40651	10.4470404	0.182948062	0.0001075	0.060299	1.947618	0.106347	0.900962	0.67356229	12.97176
2719	490710.04	3859160.04	1.00029	0.3917	3.91901	1.12153	4.39566	0.72159	0.50974	0.3917	10.2638832	0.176282886	9.942E-05	0.058097	2.02706	0.099828	0.880071	0.64902303	12.8563
2720	490760.04	3859160.04	0.98955	0.37074	3.20494	1.0433	4.91589	0.66267	0.49505	0.37074	10.1536811	0.166849929	8.13E-05	0.054044	2.266964	0.091677	0.854709	0.61429358	12.97371
2721	490810.04	3859160.04	0.97464	0.35766	2.71186	1.0028	5.13808	0.64923	0.48554	0.35766	10.000691	0.160963332	6.879E-05	0.051946	2.369427	0.089818	0.83829	0.59262082	12.91858
2722	490860.04	3859160.04	0.97953	0.34435	2.19452	0.96105	5.31818	0.63504	0.47434	0.34435	10.0508668	0.154973224	5.567E-05	0.049784	2.452481	0.087855	0.818953	0.57056696	13.0444
2723	490360.04	3859210.04	1.12635	0.72932	5.60315	1.73836	3.09015	1.36641	0.75645	0.72932	11.5573732	0.328227302	0.0001421	0.090049	1.425024	0.189036	1.306019	1.20843879	13.68743
2724	490410.04	3859210.04	1.10451	0.6827	5.66427	1.66512	3.26088	1.31016	0.72412	0.6827	11.333275	0.307246174	0.0001437	0.086256	1.503756	0.181254	1.250201	1.13119229	13.53094
2725	490460.04	3859210.04	1.0949	0.57379	6.32549	1.53768	3.42368	1.171	0.65219	0.57379	11.2346677	0.2582317	0.0001605	0.079654	1.578831	0.162002	1.126013	0.95073506	13.48882
2726	490510.04	3859210.04	1.08084	0.51295	6.24008	1.44286	3.53004	1.07763	0.60363	0.51295	11.0903993	0.230850922	0.0001583	0.074742	1.627879	0.149085	1.042173	0.84992689	13.36536
2727	490560.04	3859210.04	1.06253	0.48394	5.74503	1.37604	3.58796	1.01438	0.57195	0.48394	10.9025221	0.217795098	0.0001457	0.071281	1.654589	0.140335	0.987477	0.80185908	13.17229
2728	490610.04	3859210.04	1.04889	0.4597	4.88795	1.29046	3.61161	0.92471	0.55023	0.4597	10.7625633	0.206885991	0.000124	0.066848	1.665495	0.127929	0.949978	0.76169488	13.01813
2729	490660.04	3859210.04	1.04138	0.42881	3.75276	1.17277	3.75899	0.78808	0.52225	0.42881	10.6855039	0.19298408	9.52E-05	0.060751	1.73346	0.109027	0.90167	0.71051203	12.97298
2730	490710.04	3859210.04	1.02531	0.4088	3.63063	1.11194	3.96763	0.70912	0.50478	0.4088	10.5206111	0.183978667	9.21E-05	0.0576	1.829674	0.098103	0.871508	0.67735668	12.88421
2731	490760.04	3859210.04	1.01719	0.38622	2.97027	1.03171	4.39306	0.6702	0.4912	0.38622	10.4372926	0.173816636	7.535E-05	0.053444	2.025861	0.092719	0.848062	0.639943	12.99133
2732	490810.04	3859210.04	0.99468	0.37839	2.97456	1.0195	4.64045	0.66458	0.48715	0.37839	10.2063195	0.170292778	7.546E-05	0.052812	2.139945	0.091941	0.841069	0.62696917	12.87549

2733	490860.04	3859210.04	0.97347	0.36991	2.86912	1.00436	4.85848	0.6584	0.48197	0.36991	9.9886857	0.166476391	7.278E-05	0.052027	2.24049	0.091086	0.832126	0.61291832	12.75805
2734	490360.04	3859260.04	1.15322	0.76545	6.92654	1.78185	2.74215	1.43893	0.79561	0.76545	11.8330838	0.344487452	0.0001757	0.092302	1.264543	0.199069	1.373629	1.268304	13.83899
2735	490410.04	3859260.04	1.1331	0.70254	6.53215	1.6894	2.95245	1.33965	0.75281	0.70254	11.6266344	0.316175079	0.0001657	0.087513	1.361523	0.185334	1.299734	1.16406596	13.71301
2736	490460.04	3859260.04	1.11164	0.65388	6.13544	1.61438	3.12818	1.25737	0.71862	0.65388	11.4064353	0.294275858	0.0001556	0.083627	1.442561	0.173951	1.240705	1.08343931	13.55827
2737	490510.04	3859260.04	1.09071	0.59487	6.48715	1.54213	3.27025	1.18344	0.67759	0.59487	11.1916745	0.267718663	0.0001646	0.079884	1.508077	0.163723	1.169866	0.98566333	13.39544
2738	490560.04	3859260.04	1.07706	0.53971	6.43691	1.45046	3.38935	1.09752	0.63145	0.53971	11.0516131	0.242894144	0.0001633	0.075136	1.563	0.151837	1.090205	0.89426658	13.28058
2739	490610.04	3859260.04	1.06909	0.48812	5.79875	1.33115	3.47348	0.96615	0.56456	0.48812	10.9698337	0.219676289	0.0001471	0.068955	1.601797	0.133662	0.974719	0.80878509	13.16
2740	490660.04	3859260.04	1.04644	0.4756	5.49961	1.29694	3.50159	0.94378	0.55003	0.4756	10.7374241	0.214041717	0.0001395	0.067183	1.614759	0.130567	0.949632	0.78804021	12.92571
2741	490710.04	3859260.04	1.02914	0.4544	5.31536	1.23102	3.50787	0.86219	0.53264	0.4544	10.5599104	0.204500749	0.0001348	0.063769	1.617656	0.11928	0.919608	0.7529131	12.73195
2742	490760.04	3859260.04	1.02329	0.42693	4.2504	1.13262	3.72311	0.76146	0.50773	0.42693	10.4998841	0.192137995	0.0001078	0.058671	1.716914	0.105344	0.876601	0.70739699	12.74226
2743	490810.04	3859260.04	1.00348	0.415	3.88013	1.10364	3.91656	0.73419	0.49957	0.415	10.2966155	0.18676895	9.843E-05	0.05717	1.806123	0.101572	0.862513	0.68762971	12.62323
2744	490860.04	3859260.04	0.98434	0.40321	3.49939	1.0764	4.08447	0.70676	0.49191	0.40321	10.1002218	0.181462911	8.877E-05	0.055759	1.883555	0.097777	0.849288	0.66809439	12.50006
2745	490360.04	3859310.04	1.1739	0.85066	6.41305	1.88027	2.35324	1.56372	0.86071	0.85066	12.0452794	0.382835843	0.0001627	0.097401	1.085197	0.216333	1.486025	1.40949177	13.90374
2746	490410.04	3859310.04	1.15296	0.77962	6.55089	1.77429	2.58658	1.46079	0.81367	0.77962	11.830416	0.350864599	0.0001662	0.091911	1.192802	0.202093	1.40481	1.29178282	13.78128
2747	490460.04	3859310.04	1.13185	0.71894	6.22924	1.68373	2.79606	1.36963	0.77182	0.71894	11.6138082	0.323555828	0.000158	0.08722	1.289404	0.189482	1.332555	1.19123976	13.64494
2748	490510.04	3859310.04	1.10934	0.67395	6.1506	1.61278	2.974	1.2945	0.74043	0.67395	11.3828352	0.303308274	0.000156	0.083544	1.371461	0.179088	1.27836	1.11669407	13.48206
2749	490560.04	3859310.04	1.08902	0.62373	6.1268	1.54176	3.12523	1.20341	0.70512	0.62373	11.1743336	0.280706981	0.0001554	0.079865	1.441201	0.166486	1.217397	1.03348259	13.32666
2750	490610.04	3859310.04	1.06821	0.58515	5.91228	1.48282	3.24124	1.14447	0.67636	0.58515	10.9608041	0.263344219	0.00015	0.076812	1.494699	0.158332	1.167742	0.96955789	13.15233
2751	490660.04	3859310.04	1.05129	0.54155	5.59548	1.41293	3.32887	1.07887	0.63693	0.54155	10.7871895	0.243722228	0.0001419	0.073192	1.53511	0.149256	1.099666	0.89731534	12.99096
2752	490710.04	3859310.04	1.04443	0.48971	4.95772	1.29898	3.39134	0.94877	0.56849	0.48971	10.7167997	0.220391861	0.0001258	0.067289	1.563918	0.131258	0.981504	0.81141962	12.86987
2753	490760.04	3859310.04	1.02984	0.46834	4.33171	1.22947	3.40658	0.87874	0.53233	0.46834	10.5670931	0.210774385	0.0001099	0.063688	1.570946	0.121569	0.919073	0.77601084	12.67724
2754	490810.04	3859310.04	1.01109	0.45399	3.86571	1.18922	3.48767	0.84323	0.52065	0.45399	10.374701	0.20431623	9.806E-05	0.061603	1.60834	0.116657	0.898908	0.75223376	12.51239
2755	490860.04	3859310.04	0.99662	0.43536	3.30391	1.13488	3.68713	0.78302	0.50565	0.43536	10.2262257	0.195931879	8.381E-05	0.058788	1.700321	0.108327	0.87301	0.72136499	12.44132
2756	490360.04	3859360.04	1.19799	0.95187	5.67872	2.11263	2.31501	1.68035	0.93427	0.95187	12.2924647	0.428384964	0.0001441	0.109437	1.067568	0.232468	1.613027	1.57719057	14.1663
2757	490410.04	3859360.04	1.1713	0.89367	5.35384	1.90268	2.19705	1.60415	0.89354	0.89367	12.018601	0.402192307	0.0001358	0.098561	1.01317	0.221926	1.542706	1.48075672	13.81654
2758	490460.04	3859360.04	1.14573	0.84132	5.12291	1.80911	2.41808	1.53601	0.85711	0.84132	11.7562296	0.378632416	0.00013	0.093714	1.115098	0.212499	1.479809	1.39401596	13.6421
2759	490510.04	3859360.04	1.12217	0.78877	5.01152	1.72356	2.62353	1.46211	0.82128	0.78877	11.5144827	0.354982517	0.0001271	0.089283	1.209842	0.202276	1.417948	1.30694382	13.482
2760	490560.04	3859360.04	1.1035	0.71708	4.96478	1.63261	2.81522	1.3499	0.7746	0.71708	11.3229115	0.322718743	0.0001259	0.084571	1.29824	0.186752	1.337355	1.18815785	13.36452
2761	490610.04	3859360.04	1.0854	0.65142	4.95465	1.55037	2.9784	1.2526	0.73035	0.65142	11.1371891	0.293168745	0.0001257	0.080311	1.37349	0.173291	1.260957	1.07936324	13.23917
2762	490660.04	3859360.04	1.06646	0.6034	4.88161	1.48144	3.10724	1.18187	0.69361	0.6034	10.9428475	0.271557553	0.0001238	0.076741	1.432905	0.163506	1.197525	0.99979702	13.08541
2763	490710.04	3859360.04	1.05274	0.54669	4.70419	1.39641	3.21042	1.08714	0.64141	0.54669	10.8020678	0.246035463	0.0001193	0.072336	1.480486	0.150401	1.107401	0.90583201	12.95301
2764	490760.04	3859360.04	1.04081	0.50543	4.4151	1.30916	3.27921	0.98986	0.58924	0.50543	10.6796552	0.227466579	0.000112	0.067816	1.512209	0.136942	1.017329	0.8374667	12.80406
2765	490810.04	3859360.04	1.01897	0.49398	4.30915	1.27819	3.30233	0.9582	0.57721	0.49398	10.455557	0.222313556	0.0001093	0.066212	1.522871	0.132562	0.996559	0.81849475	12.57769
2766	490860.04	3859360.04	1.00313	0.4758	4.07805	1.22371	3.29976	0.89717	0.54652	0.4758	10.2930242	0.214131726	0.0001035	0.06339	1.521686	0.124119	0.943572	0.7883716	12.37165
2767	490360.04	3859410.04	1.22964	1.05444	6.43551	2.51592	2.39283	1.79888	0.98249	1.05444	12.6172224	0.474546148	0.0001633	0.130328	1.103454	0.248866	1.696279	1.74714281	14.52372
2768	490410.04	3859410.04	1.19779	1.00575	6.39686	2.29727	2.27555	1.68506	0.97185	1.00575	12.2904125	0.452633425	0.0001623	0.119002	1.049371	0.23312	1.677909	1.66646645	14.15614
2769	490460.04	3859410.04	1.16887	0.94926	6.32816	2.07209	2.13619	1.65134	0.93262	0.94926	11.993667	0.427210345	0.0001605	0.107337	0.985105	0.228455	1.610178	1.57286596	13.77925
2770	490510.04	3859410.04	1.14276	0.8908	6.24086	1.86507	2.26306	1.57757	0.89264	0.8908	11.7257547	0.400900676	0.0001583	0.096613	1.043611	0.218249	1.541152	1.47600131	13.55044
2771	490560.04	3859410.04	1.1186	0.8334	6.11708	1.75383	2.46835	1.4975	0.85432	0.8334	11.4778512	0.375068055	0.0001552	0.090851	1.13828	0.207172	1.474992	1.38089301	13.38348
2772	490610.04	3859410.04	1.09639	0.77445	5.9666	1.66558	2.65584	1.42605	0.81657	0.77445	11.2499565	0.348537863	0.0001514	0.086279	1.224742	0.197287	1.409816	1.28321645	13.23355
2773	490660.04	3859410.04	1.0799	0.68359	5.84306	1.57067	2.82954	1.32552	0.75792	0.68359	11.0807541	0.307646714	0.0001482	0.081363	1.304843	0.183379	1.308557	1.13266697	13.13402
2774	490710.04	3859410.04	1.06284	0.62078	5.63097	1.49001	2.97089	1.23856	0.70665	0.62078	10.905703	0.279379346	0.0001428	0.077185	1.370027	0.171349	1.220038	1.02859462	12.99523
2775	490760.04	3859410.04	1.05061	0.55717	5.3038	1.3958	3.08714	1.13318	0.64619	0.55717	10.7802121	0.250751942	0.0001345	0.072304	1.423636	0.15677	1.115654	0.92319673	12.87627
2776	490810.04	3859410.04	1.03033	0.53971	5.00594	1.35379	3.15769	1.0971	0.63454	0.53971	10.5721209	0.242894144	0.000127	0.070128	1.45617	0.151778	1.09554	0.89426658	12.69449
2777	490860.04	3859410.04	1.0075	0.52812	4.78554	1.32588	3.19283	1.07124	0.62573	0.52812	10.3378644	0.237678115	0.0001214	0.068682	1.472375	0.148201	1.080329	0.87506265	12.47019
2778	490360.04	3859460.04	1.27409	1.16028	4.61933	3.01144	2.42771	2.02595	1.09298	1.16028	13.0733197	0.522178981	0.0001172	0.155997	1.119539	0.28028	1.887041	1.92251324	15.11596
2779	490410.04	3859460.04	1.2373	1.08157	4.14284	2.72773	2.351	1.85659	1.01808	1.08157	12.6958209	0.486755887	0.0001051	0.1413	1.084164	0.25685	1.757725	1.79209557	14.63063
2780	490460.04	3859460.04	1.20282	1.04418	3.81243	2.49262	2.24179	1.74297	0.99013	1.04418	12.3420249	0.469928679	9.671E-05	0.129121	1.033802	0.241131	1.709469	1.73014262	14.19543
2781	490510.04	3859460.04	1.17202	0.99091	3.80504	2.28931	2.11152	1.6781	0.96177	0.99091	12.0259889	0.445954747	9.653E-05	0.118589	0.973728	0.232157	1.660506	1.64187748	13.81514
2782	490560.04	3859460.04	1.14348	0.934	3.78025	2.02644	2.11919	1.60287	0.92245	0.934	11.7331426	0.420342648	9.59E-05	0.104972	0.977265	0.221749	1.592619	1.54758107	13.50261
2783	490610.04	3859460.04	1.11912	0.86585	3.74693	1.84736	2.32506	1.52117	0.87897	0.86585	11.4831869	0.389672037	9.505E-05	0.095696	1.072202	0.210446	1.517551	1.43466068	13.33419
2784	490660.04	3859460.04	1.09763	0.79369	3.69346	1.70453	2.5173	1.44168	0.83337	0.79369	11.26268	0.357196742	9.37E-05	0.088297	1.160854	0.199449	1.438822	1.31509596	13.1923
2785	490710.04	3859460.04	1.07482	0.73094	3.63238	1.60067	2.68251	1.37556	0.79188	0.73094	11.0286287	0.328956376	9.215E-05	0.082917	1.23704	0.190302	1.367189	1.21112303	13.024
2786	490760.04	3859460.04	1.05702	0.68843	3.50318	1.52266	2.8306	1.3036	0.75395	0.68843	10.8459845	0.309824935	8.887E-05	0.078876	1.305332	0.180347	1.301702	1.14068655	12.88147
2787	490810.04	3859460.04	1.03932	0.63839	3.37815	1.45178	2.94879	1.23273	0.71251	0.63839	10.6643665	0.28730465	8.57E-05	0.075204	1.359836	0.170542	1.230156	1.05777332	12.72972
2788	490860.04	3859460.04	1.0173	0.61536	3.26695	1.40892	3.02836	1.19621	0.69447	0.61536	10.4384213	0.276940099	8.288E-05	0.072984	1.396529	0.16549	1.199009	1.01961401	12.52984
2789	490360.04	3859510.04	1.33847	1.36365	6.20489	4.10119	2.41848	2.38979	1.30556	1.36365	13.733917	0.613704767	0.0001574	0.212447	1.115283	0.330616	2.254063	2.25948494	16.0007

2790	490410.04	3859510.04	1.28892	1.25066	5.78175	3.51024	2.37562	2.17955	1.1956	1.25066	13.225489	0.562854108	0.0001467	0.181835	1.095518	0.30153	2.064216	2.07226739	15.35932
2791	490460.04	3859510.04	1.24742	1.14479	5.35791	3.13176	2.30535	1.98994	1.0801	1.14479	12.7996613	0.515207774	0.0001359	0.16223	1.063113	0.275298	1.864804	1.89684726	14.7836
2792	490510.04	3859510.04	1.21019	1.06978	4.94132	2.83645	2.20574	1.81827	0.99317	1.06978	12.4176477	0.481449848	0.0001254	0.146932	1.017178	0.251549	1.714718	1.77256026	14.25704
2793	490560.04	3859510.04	1.17693	1.03803	4.54128	2.58107	2.08393	1.70182	0.98694	1.03803	12.07637	0.467160899	0.0001152	0.133703	0.961005	0.235438	1.703962	1.71995244	13.8578
2794	490610.04	3859510.04	1.14782	0.9724	4.15829	2.29296	1.98567	1.63612	0.94546	0.9724	11.7776749	0.437624402	0.0001055	0.118779	0.915692	0.226349	1.632346	1.61120753	13.49736
2795	490660.04	3859510.04	1.12136	0.90153	3.79421	1.99924	2.18729	1.51675	0.9018	0.90153	11.5061713	0.405729666	9.625E-05	0.103563	1.00867	0.209835	1.556967	1.49378026	13.29725
2796	490710.04	3859510.04	1.09761	0.83255	3.44984	1.84117	2.37703	1.43413	0.858	0.83255	11.2624748	0.374685516	8.751E-05	0.095375	1.096168	0.198405	1.481346	1.37948461	13.12906
2797	490760.04	3859510.04	1.07518	0.7779	3.13181	1.70528	2.54777	1.36868	0.81775	0.7779	11.0323226	0.350090521	7.945E-05	0.088336	1.174905	0.18935	1.411854	1.28893289	12.958
2798	490810.04	3859510.04	1.05245	0.7429	2.85004	1.60751	2.69301	1.31825	0.78641	0.7429	10.7990922	0.334338922	7.23E-05	0.083271	1.241883	0.182373	1.357745	1.23094002	12.76784
2799	490860.04	3859510.04	1.03255	0.6954	2.70531	1.50492	2.81619	1.26164	0.75156	0.6954	10.5949001	0.312961753	6.863E-05	0.077957	1.298687	0.174542	1.297576	1.15223542	12.60446
2800	490360.04	3859560.04	1.4476	1.68399	5.39561	6.98514	2.36209	3.07138	1.74376	1.68399	14.8536898	0.757872395	0.0001369	0.36184	1.089279	0.42491	3.010619	2.79026879	17.70808
2801	490410.04	3859560.04	1.37104	1.4714	4.61699	5.2259	2.35869	2.70281	1.44388	1.4714	14.0681147	0.662197187	0.0001171	0.270709	1.087711	0.373921	2.492873	2.43802012	16.51762
2802	490460.04	3859560.04	1.31182	1.36748	4.39663	4.24635	2.32403	2.42434	1.32139	1.36748	13.4604638	0.615428442	0.0001115	0.219967	1.071727	0.335396	2.281393	2.26583101	15.71866
2803	490510.04	3859560.04	1.26459	1.22042	4.37014	3.66864	2.26399	2.18383	1.17659	1.22042	12.9758411	0.549244727	0.0001109	0.190041	1.04404	0.302122	2.031395	2.02216156	15.07063
2804	490560.04	3859560.04	1.2219	1.13375	4.30183	3.2773	2.16944	1.99337	1.08165	1.13375	12.537803	0.510239269	0.0001091	0.169769	1.000438	0.275773	1.86748	1.87855465	14.48306
2805	490610.04	3859560.04	1.18609	1.05891	4.18938	3.04748	2.05789	1.82822	1.01615	1.05891	12.1703599	0.476557852	0.0001063	0.157864	0.948997	0.252925	1.754393	1.75454933	14.00665
2806	490660.04	3859560.04	1.15392	1.01969	4.04694	2.70904	1.92745	1.71117	0.97565	1.01969	11.8402665	0.458907061	0.0001027	0.140332	0.888844	0.236732	1.68447	1.68956418	13.56009
2807	490710.04	3859560.04	1.12563	0.94255	3.87924	2.33257	2.05496	1.55835	0.92792	0.94255	11.5499854	0.424190539	9.841E-05	0.12083	0.947646	0.21559	1.602063	1.5617479	13.29866
2808	490760.04	3859560.04	1.10169	0.86271	3.6868	1.96341	2.24639	1.42398	0.87519	0.86271	11.3043393	0.388258893	9.353E-05	0.101707	1.035924	0.197001	1.511024	1.42945789	13.10889
2809	490810.04	3859560.04	1.0776	0.81165	3.48946	1.80069	2.41778	1.35247	0.8338	0.81165	11.057154	0.365279562	8.852E-05	0.093278	1.11496	0.187108	1.439564	1.34485458	12.91258
2810	490860.04	3859560.04	1.05582	0.75796	3.28499	1.66236	2.57097	1.28931	0.79238	0.75796	10.8336714	0.34111661	8.333E-05	0.086113	1.185604	0.17837	1.368052	1.25589352	12.73712
2811	490187.25	3859422.08	1.3876	1.36477	7.17575	3.84395	2.53145	2.38129	1.30099	1.36477	14.2380354	0.614208818	0.000182	0.199122	1.167379	0.32944	2.246172	2.26134071	16.5332
2812	490237.25	3859422.08	1.33752	1.26778	6.2793	3.30082	2.53975	2.20275	1.185	1.26778	13.7241691	0.570558889	0.0001593	0.170987	1.171207	0.30474	2.045915	2.10063419	15.8871
2813	490287.25	3859422.08	1.29371	1.16617	6.18053	2.9615	2.50936	2.04419	1.0974	1.16617	13.2746387	0.52482975	0.0001568	0.15341	1.157192	0.282804	1.894672	1.93227261	15.35543
2814	490337.25	3859422.08	1.25598	1.09094	6.16075	2.69711	2.44773	1.87902	1.02896	1.09094	12.8874947	0.490972815	0.0001563	0.139714	1.128772	0.259953	1.77651	1.80762109	14.87595
2815	490187.25	3859472.08	1.49058	1.75077	8.04551	6.44699	2.41412	3.09873	1.75524	1.75077	15.2947036	0.787926444	0.0002041	0.333963	1.113272	0.428694	3.03044	2.90091918	18.08828
2816	490237.25	3859472.08	1.41488	1.46694	7.16388	4.86175	2.46319	2.59293	1.4937	1.46694	14.5179529	0.660189984	0.0001817	0.251845	1.135901	0.358719	2.578888	2.43063017	17.07305
2817	490287.25	3859472.08	1.35838	1.35577	6.33196	3.91498	2.48069	2.35441	1.28098	1.35577	13.9382116	0.610158407	0.0001606	0.202801	1.143971	0.325721	2.211625	2.24642826	16.18622
2818	490337.25	3859472.08	1.30838	1.25128	5.62214	3.35805	2.45341	2.17159	1.18274	1.25128	13.4251663	0.563133136	0.0001426	0.173952	1.131391	0.300429	2.042013	2.0732947	15.56293
2819	490297.07	3859500.42	1.39623	1.45093	6.86923	4.90998	2.44185	2.61553	1.47079	1.45093	14.326587	0.652984753	0.0001743	0.254344	1.12606	0.361846	2.539334	2.40410258	16.85723
2820	490327.07	3859500.42	1.3582	1.39801	6.55701	4.29758	2.43616	2.45055	1.33314	1.39801	13.9363647	0.629168336	0.0001663	0.222621	1.123436	0.339022	2.30168	2.31641736	16.23604
2821	490297.07	3859530.42	1.47263	1.73961	5.78215	7.11741	2.38216	3.26329	1.75645	1.73961	15.1105203	0.782903934	0.0001467	0.368692	1.098534	0.45146	3.032529	2.88242774	17.96236
2822	490327.07	3859530.42	1.42162	1.55951	5.78848	5.88894	2.39779	2.8934	1.61173	1.55951	14.5871114	0.701850711	0.0001468	0.305055	1.105742	0.400288	2.782668	2.58401302	17.29885
2823	490319.73	3859055.34	1.05508	0.67498	4.34007	1.70949	3.7968	1.32187	0.69017	0.67498	10.8260784	0.303771821	0.0001101	0.088554	1.750896	0.182874	1.191586	1.11840072	13.22547
2824	490319.73	3859105.34	1.08638	0.69688	4.3265	1.73902	3.58283	1.35124	0.7134	0.69688	11.1472448	0.313627821	0.0001098	0.090084	1.652223	0.186937	1.231692	1.15468769	13.46723
2825	490069.73	3859155.34	1.24771	0.94485	3.05375	2.17208	2.67812	1.71222	0.88454	0.94485	12.802637	0.425225644	7.747E-05	0.112517	1.235016	0.236877	1.527167	1.56555886	14.77396
2826	490119.73	3859155.34	1.21687	0.89987	4.40707	2.08741	2.52182	1.61399	0.86252	0.89987	12.4861906	0.40498259	0.0001118	0.108131	1.162938	0.223288	1.48915	1.49102974	14.38376
2827	490269.73	3859155.34	1.13304	0.79402	3.9549	1.84259	3.09051	1.46204	0.78295	0.79402	11.6260187	0.357345257	0.0001003	0.095449	1.42519	0.202266	1.351771	1.31564275	13.7425
2828	490319.73	3859155.34	1.11294	0.73697	3.98642	1.77141	3.29144	1.3941	0.74723	0.73697	11.4197745	0.331670152	0.0001011	0.091762	1.517849	0.192867	1.2901	1.22111437	13.62301
2829	490069.73	3859205.34	1.27231	1.02649	6.37657	2.3382	2.73671	1.90877	0.93713	1.02649	13.0550553	0.461967372	0.0001618	0.121122	1.262035	0.264069	1.617964	1.70083137	15.08154
2830	490119.73	3859205.34	1.23781	0.99222	7.14562	2.2108	2.6134	1.80712	0.90677	0.99222	12.701054	0.446544307	0.0001813	0.114523	1.20517	0.250006	1.565548	1.64404807	14.63898
2831	490169.73	3859205.34	1.2083	0.96253	5.31624	2.09088	2.47363	1.71323	0.86498	0.96253	12.3982546	0.433182451	0.0001349	0.108311	1.140715	0.237017	1.493397	1.59485354	14.21616
2832	490219.73	3859205.34	1.18379	0.89106	5.26919	1.99605	2.47528	1.61193	0.85385	0.89106	12.1467598	0.401017688	0.0001337	0.103398	1.141476	0.223003	1.474181	1.47643211	14.01354
2833	490269.73	3859205.34	1.16372	0.82182	6.1418	1.87579	2.7352	1.5106	0.81619	0.82182	11.9408234	0.369856526	0.0001558	0.097169	1.261338	0.208984	1.40916	1.36170565	13.92578
2834	490319.73	3859205.34	1.13992	0.77481	6.18326	1.80993	2.956	1.43215	0.78434	0.77481	11.6966138	0.348699879	0.0001569	0.093757	1.36316	0.198131	1.354171	1.28381295	13.77088
2835	490069.73	3859255.34	1.30686	1.07532	7.10148	2.62163	2.75214	2.0511	1.01756	1.07532	13.4095697	0.483943101	0.0001801	0.135804	1.26915	0.28376	1.756828	1.7817397	15.55749
2836	490119.73	3859255.34	1.26962	1.0377	6.98907	2.41501	2.6785	1.9532	0.97885	1.0377	13.0274535	0.467012384	0.0001773	0.125101	1.235191	0.270216	1.689994	1.71940565	15.09574
2837	490169.73	3859255.34	1.23718	1.01501	7.98857	2.23599	2.57775	1.83063	0.93047	1.01501	12.6945896	0.456800847	0.0002027	0.115827	1.18873	0.253259	1.606466	1.68180971	14.63407
2838	490219.73	3859255.34	1.21067	0.96569	7.51887	2.06281	2.45922	1.71416	0.89017	0.96569	12.422573	0.434604595	0.0001907	0.106856	1.13407	0.237146	1.536888	1.60008947	14.27224
2839	490269.73	3859255.34	1.18718	0.89098	6.19712	1.95644	2.33466	1.63171	0.87352	0.89098	12.1815443	0.400981684	0.0001572	0.101346	1.076629	0.225739	1.508141	1.47629956	14.01824
2840	490319.73	3859255.34	1.16306	0.83716	6.45455	1.8699	2.57674	1.54748	0.83757	0.83716	11.9340512	0.376760226	0.0001637	0.096863	1.188265	0.214086	1.446073	1.3871231	13.86914
2841	490069.73	3859305.34	1.35469	1.16489	10.11733	3.05067	2.70794	2.21057	1.11266	1.16489	13.9003489	0.524253691	0.0002567	0.158029	1.248768	0.305822	1.921019	1.93015173	16.12834
2842	490119.73	3859305.34	1.30988	1.11678	8.58072	2.78143	2.68257	2.09761	1.06594	1.11678	13.4405576	0.502601995	0.0002177	0.144082	1.237068	0.290194	1.840356	1.85043639	15.60464
2843	490169.73	3859305.34	1.27222	1.06464	6.93044	2.56494	2.62712	1.96506	1.01336	1.06464	13.0541318	0.479136614	0.0001758	0.132867	1.211497	0.271856	1.749576	1.76404359	15.1352
2844	490219.73	3859305.34	1.24064	1.04006	6.07354	2.34176	2.5457	1.83286	0.95053	1.04006	12.7300924	0.468074491	0.0001541	0.121306	1.17395	0.253567	1.6411	1.72331603	14.66493
2845	490269.73	3859305.34	1.21235	0.97903	5.69755	2.11214	2.43366	1.72376	0.93427	0.97903	12.4398113	0.440608205	0.0001445	0.109412	1.122283	0.238474	1.613027	1.62219304	14.34157
2846	490319.73	3859305.34	1.18862	0.90543	5.85698	1.95636	2.30043	1.64304	0.89458	0.90543	12.19632	0.407484844	0.0001486	0.101342	1.060844	0.227307	1.544501	1.50024233	14.03771

2847	490069.73	3859355.34	1.41932	1.33597	9.44808	3.801	2.59573	2.3997	1.27476	1.33597	14.5635113	0.601247503	0.0002397	0.196897	1.197022	0.331987	2.200886	2.21362086	16.87817
2848	490119.73	3859355.34	1.36387	1.267	8.36621	3.29529	2.62097	2.29977	1.17501	1.267	13.994544	0.570207854	0.0002122	0.170701	1.208661	0.318162	2.028667	2.09934178	16.19181
2849	490169.73	3859355.34	1.31799	1.18612	7.48532	2.95405	2.61511	2.1106	1.11565	1.18612	13.5237736	0.533808161	0.0001899	0.153024	1.205959	0.291991	1.926181	1.96532855	15.6696
2850	490219.73	3859355.34	1.27992	1.09509	7.04471	2.71092	2.57973	1.96601	1.04452	1.09509	13.1331408	0.492840504	0.0001787	0.140429	1.189643	0.271988	1.803374	1.81449739	15.2171
2851	490269.73	3859355.34	1.24527	1.05791	6.61718	2.48554	2.50472	1.84976	0.98435	1.05791	12.7776004	0.476107806	0.0001679	0.128754	1.155053	0.255905	1.69949	1.75289239	14.74019
2852	490319.73	3859355.34	1.21599	1.00095	6.12418	2.23764	2.40427	1.72202	0.96179	1.00095	12.477161	0.450473205	0.0001554	0.115913	1.10873	0.238233	1.66054	1.65851314	14.39269
2853	490069.73	3859405.34	1.51112	1.71426	9.74028	5.52579	2.50548	2.80325	1.69367	1.71426	15.5054627	0.771495277	0.0002471	0.286244	1.155403	0.387816	2.924138	2.84042434	18.19038
2854	490119.73	3859405.34	1.43918	1.46112	8.66675	4.3782	2.50929	2.53882	1.43518	1.46112	14.767293	0.657570718	0.0002199	0.226797	1.15716	0.351233	2.477853	2.42098679	17.21714
2855	490169.73	3859405.34	1.38161	1.3381	7.61736	3.66094	2.5533	2.34327	1.25052	1.3381	14.1765725	0.6022061	0.0001932	0.189642	1.177455	0.32418	2.159035	2.21715014	16.41213
2856	490219.73	3859405.34	1.33249	1.24856	6.70662	3.18967	2.55836	2.16532	1.17256	1.24856	13.6725567	0.561909012	0.0001701	0.165229	1.179789	0.299561	2.024437	2.06878782	15.83486
2857	490269.73	3859405.34	1.29096	1.14018	6.37804	2.8814	2.53036	2.00388	1.07965	1.14018	13.2464212	0.513133063	0.0001618	0.149261	1.166876	0.277227	1.864027	1.88920877	15.3279
2858	490319.73	3859405.34	1.2544	1.07926	6.45991	2.63676	2.467	1.85464	1.01467	1.07926	12.8712825	0.485716281	0.0001639	0.136588	1.137658	0.25658	1.751838	1.78826804	14.85156
2859	490161.89	3859541.83	1.87182	2.89518	7.86027	6.65497	2.34624	4.32924	2.94441	2.89518	19.206572	1.3029632	0.0001994	0.344737	1.081969	0.598929	5.083554	4.7971368	22.82179
2860	490171.89	3859541.83	1.85367	2.81858	7.78323	7.29253	2.34803	4.72057	2.86735	2.81858	19.0203365	1.268489702	0.0001974	0.377763	1.082795	0.653068	4.950509	4.67021527	22.68294
2861	490161.89	3859551.83	1.89312	3.07421	7.58671	5.67669	2.33193	3.7558	3.12444	3.07421	19.4251293	1.383534875	0.0001925	0.29406	1.07537	0.519597	5.394377	5.0937786	22.99848
2862	490171.89	3859551.83	1.87678	2.99315	7.57305	6.18182	2.33488	4.01516	3.04352	2.99315	19.2574661	1.347054174	0.0001921	0.320227	1.076731	0.555478	5.254668	4.95946712	22.85235
2863	489799.72	3859348.21	1.9227	2.6492	14.65399	6.4295	3.30615	3.93618	2.62697	2.6492	19.728647	1.192260968	0.0003717	0.333057	1.524632	0.544551	4.53549	4.38956293	23.46945
2864	489819.72	3859348.21	1.88887	2.52294	15.21951	7.26014	3.12515	5.60243	2.499	2.52294	19.3815205	1.135438203	0.0003861	0.376085	1.441164	0.775069	4.314549	4.18035781	23.24385
2865	489799.72	3859368.21	1.94736	2.92834	21.1444	5.42192	3.42723	3.32584	2.92266	2.92834	19.981681	1.317886714	0.0005364	0.280863	1.580468	0.460114	5.046002	4.8520809	23.81547
2866	489819.72	3859368.21	1.91639	2.78691	27.03065	6.0642	3.25151	3.77934	2.77916	2.78691	19.6639007	1.254236756	0.0006857	0.314134	1.499435	0.522853	4.798248	4.61774001	23.43575
2867	489775.41	3859329.72	1.91568	2.56586	13.92532	6.42465	3.40621	3.85894	2.53282	2.56586	19.6566154	1.154754163	0.0003533	0.332806	1.570775	0.533865	4.372939	4.25147363	23.37063
2868	489795.41	3859329.72	1.8937	2.44378	10.43049	7.21787	3.22376	5.65298	2.40923	2.44378	19.4310807	1.099812588	0.0002646	0.373896	1.486638	0.782062	4.15956	4.04919451	23.28412
2869	489775.41	3859349.72	1.95204	2.83253	15.95637	5.59561	3.53286	3.408	2.81443	2.83253	20.029702	1.274767839	0.0004048	0.28986	1.62918	0.47148	4.859142	4.69332957	23.86121
2870	489795.41	3859349.72	1.93082	2.69691	14.77357	6.20354	3.35463	3.80275	2.67665	2.69691	19.8119656	1.213732647	0.0003748	0.321352	1.546989	0.526092	4.621263	4.4686155	23.57315
2871	489595.05	3859219.43	1.8935	2.33876	6.00052	5.57281	4.4132	3.19147	2.26216	2.33876	19.4290285	1.052548793	0.0001522	0.288679	2.035149	0.441524	3.905642	3.87518278	23.27754
2872	489615.05	3859219.43	1.87735	2.2284	6.13671	6.22811	4.22831	4.07856	2.14767	2.2284	19.2633148	1.002881753	0.0001557	0.322625	1.949887	0.564249	3.707974	3.69232298	23.11876
2873	489595.05	3859239.43	1.92089	2.57194	6.39045	5.13549	4.52356	2.9225	2.51396	2.57194	19.7100748	1.15749044	0.0001621	0.266026	2.086041	0.404314	4.340377	4.26154782	23.70294
2874	489615.05	3859239.43	1.90231	2.44895	6.67774	5.42569	4.34735	3.12276	2.38541	2.44895	19.5194271	1.102139324	0.0001694	0.281058	2.004782	0.432019	4.118435	4.05776089	23.40027
2875	489372.4	3859092.58	1.79634	2.21762	4.23303	5.9787	5.72138	2.85718	2.06041	2.21762	18.4320787	0.998030261	0.0001074	0.309705	2.638416	0.395277	3.557319	3.67446118	22.65647
2876	489422.4	3859092.58	1.80061	1.96921	3.63526	6.82095	5.31744	3.75106	1.82083	1.96921	18.4758928	0.886234418	9.222E-05	0.353335	2.452139	0.518941	3.143681	3.26286095	22.56745
2877	489372.4	3859142.58	1.85671	2.87348	3.80038	4.66683	5.83431	2.38186	2.75802	2.87348	19.0515297	1.293197209	9.641E-05	0.241748	2.690494	0.329519	4.761749	4.76118122	23.60715
2878	489422.4	3859142.58	1.82398	2.48564	4.64103	5.26742	5.51766	2.67379	2.35019	2.48564	18.7156902	1.1186515	0.0001177	0.27286	2.544471	0.369906	4.057627	4.11855398	22.96077
2879	488870.84	3858666.64	2.18705	1.30402	2.43975	7.75168	9.99806	3.10563	1.5158	1.30402	22.4411179	0.586868544	6.189E-05	0.401548	4.610609	0.429649	2.617044	2.16068166	28.92622
2880	488900.84	3858666.64	2.16603	1.26913	2.33069	9.67992	9.23428	4.35081	1.43018	1.26913	22.2254336	0.571166451	5.912E-05	0.501433	4.258392	0.601913	2.46922	2.10287106	28.52475
2881	488870.84	3858696.64	2.19739	1.38293	2.50904	6.7028	10.2844	3.01965	1.62475	1.38293	22.5472157	0.622381647	6.365E-05	0.347214	4.742673	0.417754	2.805147	2.29143072	29.19102
2882	488900.84	3858696.64	2.16665	1.33451	2.54329	7.71709	9.56795	3.16162	1.52356	1.33451	22.2317954	0.600590437	6.452E-05	0.399756	4.412264	0.437395	2.630442	2.21120173	28.5011
2883	488889.67	3858683.97	2.17859	1.31907	2.5005	7.85804	9.71482	3.14936	1.5156	1.31907	22.3543106	0.593641732	6.343E-05	0.407057	4.479993	0.435699	2.616699	2.18561859	28.70184
2884	488919.67	3858683.97	2.14696	1.28015	2.38777	9.6612	8.94978	4.32079	1.4302	1.28015	22.0297581	0.576125954	6.057E-05	0.500464	4.127194	0.59776	2.469255	2.12113053	28.17949
2885	488889.67	3858713.97	2.17679	1.40362	2.56378	6.68206	10.0083	3.06985	1.62427	1.40362	22.335841	0.631693092	6.504E-05	0.34614	4.615313	0.424699	2.804319	2.32571279	28.83236
2886	488919.67	3858713.97	2.1417	1.35219	2.60499	7.65611	9.29249	3.21129	1.52333	1.35219	21.9757858	0.608547244	6.608E-05	0.396597	4.285235	0.444266	2.630045	2.24049642	28.10005
2887	488906.61	3858703.33	2.15917	1.34382	2.56619	7.62914	9.4953	3.17013	1.52819	1.34382	22.1550438	0.604780362	6.51E-05	0.3952	4.378761	0.438572	2.638436	2.22662784	28.38423
2888	488936.61	3858703.33	2.12444	1.30073	2.47742	9.28879	8.75488	3.98369	1.44097	1.30073	21.7986825	0.585387894	6.285E-05	0.481172	4.037316	0.551124	2.487849	2.15523033	27.78636
2889	488906.61	3858733.33	2.15171	1.43488	2.62342	6.55129	9.81665	3.11774	1.63829	1.43488	22.0784974	0.64576152	6.655E-05	0.339366	4.526952	0.431324	2.828524	2.37750871	28.47298
2890	488936.61	3858733.33	2.11593	1.37995	2.68607	7.44905	9.10052	3.25769	1.53561	1.37995	21.7113622	0.621040511	6.814E-05	0.385871	4.196708	0.450685	2.651246	2.28649304	27.73049
2891	488637.63	3858467.85	2.26877	1.18348	2.12565	5.43367	14.0247	2.67265	1.57254	1.18348	23.2796393	0.53262004	5.392E-05	0.281472	6.467514	0.369748	2.715006	1.96095423	31.6851
2892	488662.63	3858467.85	2.26175	1.15289	2.0932	6.42121	13.4498	3.13908	1.49164	1.15289	23.2076077	0.518853143	5.31E-05	0.332628	6.202362	0.434276	2.575332	1.91026846	31.36084
2893	488637.63	3858492.85	2.25476	1.22393	2.02792	4.67273	14.0678	2.53977	1.67391	1.22393	23.135884	0.550824387	5.144E-05	0.242054	6.487385	0.351365	2.890023	2.02797741	31.62961
2894	488662.63	3858492.85	2.24045	1.19824	2.03816	5.33782	13.5722	2.66058	1.57999	1.19824	22.9890504	0.539262714	5.17E-05	0.276507	6.258816	0.368078	2.727869	1.98541065	31.17422
2895	488687.63	3858492.85	2.22258	1.18022	2.03617	6.33161	13.0085	3.08761	1.49872	1.18022	22.805688	0.531152891	5.165E-05	0.327986	5.998851	0.427156	2.587555	1.95555261	30.72289
2896	488637.63	3858517.85	2.23048	1.26206	2.12299	4.11555	14.0478	2.48628	1.79279	1.26206	22.8867491	0.567984628	5.386E-05	0.213191	6.478148	0.343965	3.09527	2.0911565	31.49421
2897	488662.63	3858517.85	2.21502	1.23747	2.06112	4.60855	13.6353	2.56429	1.68234	1.23747	22.7281155	0.556918005	5.229E-05	0.238729	6.287919	0.354757	2.904577	2.05041237	31.02066
2898	488687.63	3858517.85	2.19594	1.20977	2.01704	5.25534	13.1297	2.67867	1.58747	1.20977	22.5323374	0.544451741	5.117E-05	0.272234	6.054747	0.370581	2.740783	2.00451516	30.51067
2899	488194.42	3857168.98	1.26561	0.41165	2.18586	1.46275	25.8574	1.29995	0.63447	0.41165	12.9863072	0.185261297	5.545E-05	0.075772	11.92413	0.179842	1.095419	0.68207896	25.76471
2900	488244.42	3857168.98	1.23932	0.41459	1.85624	1.55342	22.7997	1.43991	0.60667	0.41459	12.716548	0.186584431	4.709E-05	0.080469	10.51409	0.199205	1.047422	0.68695036	24.05741
2901	488294.42	3857168.98	1.21516	0.41589	1.32119	1.63526	19.3681	1.41954	0.58407	0.41589	12.4686444	0.18716949	3.352E-05	0.084709	8.931597	0.196386	1.008403	0.68910438	22.18784
2902	488244.42	3857218.98	1.25009	0.41232	1.43331	1.57345	22.5297	1.49175	0.63247	0.41232	12.827058	0.185562827	3.636E-05	0.081507	10.38957	0.206376	1.091966	0.68318911	24.09889
2903	488294.42	3857218.98	1.22465	0.41479	1.85021	1.66034	20.0275	1.39758	0.60774	0.41479	12.5660205	0.18667444	4.694E-05	0.086008	9.235675	0.193348	1.049269	0.68728175	22.62976

2904	488294.42	3857268.98	1.23223	0.41497	2.14271	1.69591	20.4672	1.34193	0.63294	0.41497	12.6437981	0.186755448	5.436E-05	0.087851	9.438475	0.185649	1.092777	0.68758	22.94778
2905	488139.13	3857111.68	1.28369	0.41243	1.90128	1.3571	26.4359	0.98779	0.63527	0.41243	13.1718244	0.185612332	4.823E-05	0.0703	12.19092	0.136656	1.0968	0.68337137	26.16879
2906	488189.13	3857111.68	1.25159	0.41685	2.04495	1.44363	24.6489	1.16462	0.60708	0.41685	12.8424493	0.187601534	5.188E-05	0.074782	11.36683	0.161119	1.04813	0.69069504	24.99027
2907	488189.13	3857161.68	1.2664	0.41204	2.20248	1.45261	25.9389	1.26523	0.63334	0.41204	12.9944134	0.185436815	5.587E-05	0.075247	11.96172	0.175038	1.093468	0.68272517	25.80266
2908	487951.04	3856961.26	1.36276	0.40972	1.1436	1.09833	26.3177	1.18769	0.64938	0.40972	13.9831544	0.184392709	2.901E-05	0.056895	12.13641	0.164311	1.121161	0.67888107	26.96747
2909	488001.04	3856961.26	1.32267	0.41441	1.10368	1.13509	24.3371	1.04049	0.62605	0.41441	13.5717946	0.186503423	2.8E-05	0.058799	11.22305	0.143947	1.080882	0.68665211	25.57835
2910	488051.04	3856961.26	1.28461	0.41594	1.01097	1.16953	23.3614	0.85128	0.60631	0.41594	13.1812645	0.187191993	2.565E-05	0.060583	10.77313	0.11777	1.0468	0.68918723	24.67758
2911	488101.04	3856961.26	1.24467	0.42285	1.03537	1.25116	21.7518	0.80199	0.58462	0.42285	12.7714438	0.190301808	2.627E-05	0.064812	10.03086	0.110951	1.009352	0.70063668	23.47712
2912	487951.04	3857011.26	1.38862	0.40876	1.2137	1.14579	29.2241	1.25844	0.67508	0.40876	14.2485015	0.183960665	3.079E-05	0.059354	13.47671	0.174099	1.165532	0.67729041	28.6309
2913	488001.04	3857011.26	1.35101	0.41009	1.00089	1.15828	26.8634	1.09119	0.65116	0.41009	13.8625887	0.184559226	2.539E-05	0.060001	12.38807	0.150961	1.124234	0.67949414	27.09094
2914	488051.04	3857011.26	1.31192	0.41214	0.87166	1.1908	26.0485	0.90117	0.62887	0.41214	13.4614899	0.185481819	2.211E-05	0.061685	12.01228	0.124672	1.08575	0.68289086	26.2485
2915	488101.04	3857011.26	1.26508	0.41931	0.89164	1.27069	24.3725	0.83041	0.60484	0.41931	12.980869	0.188708647	2.262E-05	0.065824	11.23938	0.114883	1.044262	0.69477111	24.93918
2916	488001.04	3857061.26	1.3775	0.40676	0.97672	1.19304	28.8623	1.15285	0.67788	0.40676	14.1344002	0.183060574	2.478E-05	0.061801	13.30986	0.159491	1.170367	0.67397653	28.34502
2917	488051.04	3857061.26	1.33535	0.41111	0.95161	1.23494	26.9083	0.97372	0.65205	0.41111	13.7019029	0.185018272	2.414E-05	0.063972	12.40878	0.134709	1.125771	0.68118421	26.93899
2918	488101.04	3857061.26	1.29093	0.41552	0.98929	1.29614	25.8497	0.86938	0.62732	0.41552	13.2461134	0.187002974	2.51E-05	0.067142	11.92059	0.120274	1.083074	0.68849131	25.93573
2919	487638.98	3856673.79	1.44225	0.38601	1.14708	1.07252	24.194	0.98526	0.64114	0.38601	14.798794	0.173722126	2.91E-05	0.055558	11.15705	0.136306	1.106935	0.63959504	26.7888
2920	487688.98	3856673.79	1.40599	0.39307	1.1402	1.02976	25.7814	1.04883	0.62261	0.39307	14.4267334	0.176899448	2.892E-05	0.053343	11.88908	0.1451	1.074942	0.65129303	27.11484
2921	487638.98	3856723.79	1.46755	0.38388	1.23982	1.12709	25.4856	1.0204	0.66894	0.38388	15.0583949	0.172763529	3.145E-05	0.058385	11.75268	0.141167	1.154932	0.63606576	27.70228
2922	487688.98	3856723.79	1.43088	0.39029	1.20384	1.07911	27.0195	1.08165	0.64577	0.39029	14.6821274	0.175648321	3.054E-05	0.055899	12.46007	0.149641	1.114928	0.64668674	27.99165
2923	486324.61	3855740.57	1.70401	0.35654	1.89339	1.48688	6.46992	0.95403	0.80564	0.35654	17.4846891	0.16045928	4.803E-05	0.077022	2.983606	0.131985	1.390946	0.59076505	21.63799
2924	486374.61	3855740.57	1.70757	0.36466	1.74433	1.34795	6.36588	0.87538	0.80359	0.36466	17.5212179	0.164113651	4.425E-05	0.069826	2.935628	0.121105	1.387406	0.60421939	21.59512
2925	486424.61	3855740.57	1.69074	0.37517	1.69397	1.25821	6.20516	0.83387	0.80439	0.37517	17.3485269	0.168843631	4.297E-05	0.065177	2.861512	0.115362	1.388787	0.62163382	21.32662
2926	486324.61	3855790.57	1.74079	0.34273	1.90175	1.57959	6.35916	0.97733	0.79016	0.34273	17.8620853	0.15424415	4.824E-05	0.081825	2.932529	0.135209	1.364219	0.56788272	21.96228
2927	486374.61	3855790.57	1.74002	0.349	1.67365	1.43053	6.50027	0.90272	0.78491	0.349	17.8541844	0.157065936	4.246E-05	0.074103	2.997602	0.124887	1.355155	0.57827173	21.98477
2928	486424.61	3855790.57	1.71433	0.35895	1.57987	1.34825	6.57793	0.87406	0.78235	0.35895	17.5905817	0.16154389	4.008E-05	0.069841	3.033415	0.120922	1.350735	0.59475827	21.73232
2929	486324.61	3855840.57	1.77999	0.33156	1.77539	1.67861	6.03737	0.99774	0.80222	0.33156	18.2643129	0.14921714	4.504E-05	0.086954	2.784135	0.138032	1.385041	0.54937471	22.25836
2930	486374.61	3855840.57	1.75455	0.33812	1.69355	1.56753	6.58698	0.95796	0.78028	0.33812	18.0032754	0.152169439	4.296E-05	0.0812	3.037588	0.132529	1.347161	0.56024423	22.19372
2931	486424.61	3855840.57	1.73724	0.34548	1.57444	1.4491	6.81439	0.91236	0.77113	0.34548	17.8256591	0.155481775	3.994E-05	0.075065	3.142458	0.126221	1.331364	0.5724393	22.08385
2932	486324.61	3855890.57	1.79799	0.32751	1.81575	1.85972	5.61099	1.06609	0.83856	0.32751	18.4490092	0.147394455	4.606E-05	0.096336	2.58751	0.147488	1.447782	0.54266411	22.3329
2933	486374.61	3855890.57	1.77435	0.33128	1.72321	1.7265	6.40812	1.01296	0.80091	0.33128	18.2064414	0.149091127	4.371E-05	0.089435	2.955107	0.140138	1.382779	0.54891077	22.37412
2934	486424.61	3855890.57	1.75851	0.33515	1.60369	1.58709	6.88258	0.95523	0.77497	0.33515	18.0439086	0.150832804	4.068E-05	0.082213	3.173904	0.132151	1.337994	0.55532312	22.36572
2935	488735.69	3858285.64	1.78053	0.81769	2.38714	4.23375	8.58802	2.49925	1.01149	0.81769	18.2698538	0.367997837	6.056E-05	0.219314	3.960369	0.345759	1.746348	1.35486249	23.55484
2936	488765.69	3858285.64	1.7361	0.80376	2.35169	4.12916	8.04584	2.37999	0.98574	0.80376	17.8139616	0.361728701	5.966E-05	0.213896	3.710342	0.32926	1.70189	1.33178133	22.79936
2937	488735.69	3858315.64	1.88541	0.84404	2.4031	4.4838	9.03604	2.6762	1.04843	0.84404	19.3460178	0.379856541	6.096E-05	0.232267	4.166973	0.370239	1.810125	1.39852284	24.90702
2938	488765.69	3858315.64	1.82172	0.82754	2.34419	4.3331	8.33023	2.53749	1.01683	0.82754	18.6925005	0.372430787	5.947E-05	0.224461	3.841489	0.351049	1.755567	1.37118334	23.86637
2939	478676.63	3849871.93	0.65705	0.99721	0.15254	0.49666	0.65951	0.41195	1.00338	0.99721	6.74192932	0.448790035	3.87E-06	0.025728	0.304133	0.056991	1.732346	1.65231619	7.657605
2940	479326.63	3849871.93	0.79088	0.55646	0.12189	0.30314	0.65044	0.30272	0.55929	0.55646	8.11514658	0.250432409	3.092E-06	0.015703	0.299951	0.04188	0.96562	0.9220203	8.766715
2941	479376.63	3849871.93	0.80004	0.53908	0.12473	0.28905	0.60621	0.29853	0.54167	0.53908	8.2091365	0.242610616	3.164E-06	0.014973	0.279554	0.0413	0.935199	0.8932227	8.829554
2942	479426.63	3849871.93	0.80729	0.52846	0.12632	0.27205	0.56032	0.29931	0.5311	0.52846	8.28352808	0.237831131	3.204E-06	0.014093	0.258392	0.041408	0.91695	0.87562601	8.876578
2943	478726.63	3849921.93	0.66932	1.06621	0.15444	0.50085	0.6549	0.42051	1.0719	1.06621	6.86783066	0.479843185	3.918E-06	0.025945	0.302007	0.058176	1.850646	1.76664499	7.817807
2944	478776.63	3849921.93	0.69195	1.01397	0.14695	0.48571	0.6868	0.43482	1.01983	1.01397	7.100035	0.4563328	3.728E-06	0.02516	0.316718	0.060155	1.760747	1.68008649	8.039066
2945	478826.63	3849921.93	0.70887	0.96257	0.1401	0.46742	0.71645	0.44117	0.96786	0.96257	7.27364955	0.433200453	3.554E-06	0.024213	0.330391	0.061034	1.67102	1.59491982	8.198592
2946	478976.63	3849921.93	0.74141	0.82371	0.12358	0.39135	0.77995	0.4228	0.82915	0.82371	7.60753949	0.370707112	3.135E-06	0.020272	0.359674	0.058492	1.431536	1.36483727	8.483387
2947	479026.63	3849921.93	0.74548	0.79707	0.1197	0.35987	0.78362	0.4147	0.80266	0.79707	7.64930138	0.358717896	3.037E-06	0.018642	0.361367	0.057372	1.385801	1.32069641	8.510507
2948	479076.63	3849921.93	0.75041	0.76009	0.11552	0.32888	0.78576	0.4002	0.76589	0.76009	7.69988765	0.342075207	2.93E-06	0.017036	0.362354	0.055366	1.322317	1.2594228	8.539615
2949	479126.63	3849921.93	0.75524	0.72165	0.11138	0.32154	0.78263	0.38359	0.72675	0.72165	7.74944784	0.324775452	2.825E-06	0.016656	0.36091	0.053068	1.254741	1.19573007	8.563871
2950	479176.63	3849921.93	0.75914	0.70749	0.10763	0.32289	0.77002	0.37087	0.71105	0.70749	7.78946538	0.318402805	2.73E-06	0.016726	0.355095	0.051308	1.227635	1.17226781	8.586367
2951	479226.63	3849921.93	0.76766	0.6694	0.10924	0.32446	0.75634	0.34747	0.67325	0.6694	7.87688831	0.301260566	2.771E-06	0.016807	0.348786	0.048071	1.162373	1.109155	8.645034
2952	479276.63	3849921.93	0.78006	0.59877	0.11513	0.32482	0.73647	0.31954	0.60177	0.59877	8.00412356	0.269473841	2.921E-06	0.016826	0.339623	0.044207	1.038962	0.9921254	8.721093
2953	479326.63	3849921.93	0.78452	0.64039	0.12012	0.31367	0.69933	0.33117	0.64379	0.64039	8.04988721	0.288204742	3.047E-06	0.016249	0.322496	0.045816	1.11151	1.0610872	8.773078
2954	479376.63	3849921.93	0.79859	0.57215	0.12398	0.30628	0.66284	0.30867	0.57499	0.57215	8.19425818	0.257493626	3.145E-06	0.015866	0.305669	0.042703	0.992726	0.94801768	8.860701
2955	479426.63	3849921.93	0.80579	0.59163	0.1266	0.29138	0.62084	0.31698	0.59462	0.59163	8.26813672	0.266260515	3.212E-06	0.015094	0.286301	0.043853	1.026617	0.98029485	8.92597
2956	478726.63	3849971.93	0.65423	1.18236	0.16491	0.51534	0.61545	0.40817	1.18805	1.18236	6.71299356	0.532115989	4.183E-06	0.026695	0.283815	0.056468	2.05118	1.95909846	7.704174
2957	478776.63	3849971.93	0.68339	1.12567	0.15615	0.50607	0.65074	0.42837	1.13124	1.12567	7.01220163	0.5066029	3.961E-06	0.026215	0.300089	0.059263	1.953097	1.86516658	7.992306
2958	478826.63	3849971.93	0.70504	1.07375	0.14833	0.49204	0.6841	0.44129	1.07905	1.07375	7.23435028	0.48323653	3.763E-06	0.025488	0.315473	0.06105	1.862991	1.77913831	8.203455
2959	478976.63	3849971.93	0.73758	0.9457	0.13079	0.42384	0.75579	0.44558	0.95153	0.9457	7.56824021	0.425608183	3.318E-06	0.021956	0.348533	0.061644	1.642826	1.56696726	8.501843
2960	479026.63	3849971.93	0.74627	0.90003	0.1256	0.39673	0.77377	0.43362	0.90589	0.90003	7.6574075	0.405054597	3.186E-06	0.020551	0.356824	0.059989	1.564028	1.49129485	8.572563

2961	479076.63	3849971.93	0.75289	0.85742	0.12088	0.36694	0.78555	0.41863	0.86331	0.85742	7.7253347	0.385878152	3.066E-06	0.019008	0.362257	0.057915	1.490513	1.42069268	8.620217
2962	479126.63	3849971.93	0.75699	0.81943	0.11668	0.33616	0.78892	0.40398	0.82498	0.81943	7.76740443	0.368780917	2.96E-06	0.017414	0.363811	0.055889	1.424336	1.35774557	8.639892
2963	479176.63	3849971.93	0.75998	0.78244	0.11266	0.32099	0.78461	0.3875	0.78771	0.78244	7.79808454	0.352133728	2.858E-06	0.016628	0.361823	0.053609	1.359989	1.29645539	8.645815
2964	479226.63	3849971.93	0.77354	0.69837	0.10667	0.33162	0.79216	0.34809	0.70322	0.69837	7.93722245	0.314298389	2.706E-06	0.017178	0.365305	0.048157	1.214116	1.15715653	8.739123
2965	479276.63	3849971.93	0.77392	0.69784	0.11176	0.32657	0.76501	0.35269	0.70142	0.69784	7.94112159	0.314059865	2.835E-06	0.016917	0.352785	0.048793	1.211009	1.15627835	8.728409
2966	479326.63	3849971.93	0.77786	0.70329	0.11748	0.31892	0.734	0.35276	0.70812	0.70329	7.98154957	0.316512614	2.98E-06	0.016521	0.338484	0.048803	1.222576	1.16530867	8.75914
2967	479376.63	3849971.93	0.79405	0.63701	0.12241	0.31788	0.7116	0.32817	0.64032	0.63701	8.14767366	0.286683587	3.105E-06	0.016467	0.328155	0.045401	1.105519	1.05548674	8.874415
2968	479426.63	3849971.93	0.8037	0.63225	0.12603	0.30704	0.67427	0.32732	0.63537	0.63225	8.24669142	0.28454137	3.197E-06	0.015905	0.31094	0.045283	1.096973	1.04759972	8.952737
2969	478726.63	3850021.93	0.63576	1.2992	0.17688	0.52216	0.57328	0.39037	1.30308	1.2992	6.5234746	0.584699324	4.487E-06	0.027049	0.264368	0.054006	2.249781	2.15269522	7.550687
2970	478776.63	3850021.93	0.67043	1.2342	0.16667	0.51978	0.611	0.41623	1.23887	1.2342	6.87922027	0.555446356	4.228E-06	0.026925	0.281763	0.057583	2.138922	2.04499418	7.89487
2971	478826.63	3850021.93	0.69876	1.1782	0.15785	0.51142	0.6465	0.43614	1.18254	1.1782	7.16991178	0.530243799	4.004E-06	0.026492	0.298134	0.060338	2.041667	1.95220559	8.174585
2972	478976.63	3850021.93	0.73805	1.04462	0.13766	0.45642	0.73249	0.4569	1.05011	1.04462	7.57306284	0.4701267	3.492E-06	0.023643	0.337788	0.06321	1.813026	1.73087167	8.549988
2973	478726.63	3850071.93	0.61714	1.40435	0.19072	0.52057	0.54683	0.368	1.41218	1.40435	6.3324165	0.632021626	4.838E-06	0.026966	0.252171	0.050911	2.438143	2.32692236	7.405712
2974	478776.63	3850071.93	0.65206	1.34542	0.17916	0.52464	0.56789	0.39947	1.3515	1.34542	6.69072739	0.605500435	4.545E-06	0.027177	0.261883	0.055265	2.333378	2.22927894	7.744656
2975	478826.63	3850071.93	0.68788	1.2798	0.16886	0.52307	0.60551	0.42526	1.28588	1.2798	7.0582731	0.575968438	4.284E-06	0.027096	0.279231	0.058833	2.220085	2.1205506	8.09894
2976	478876.63	3850071.93	0.7147	1.22825	0.15993	0.51552	0.64096	0.44487	1.23208	1.22825	7.33347064	0.552768584	4.057E-06	0.026705	0.295579	0.061546	2.127199	2.03513539	8.362136
2977	478976.63	3850071.93	0.73925	1.13802	0.14551	0.48419	0.70199	0.46447	1.14319	1.13802	7.58537593	0.512160964	3.691E-06	0.025082	0.323723	0.064257	1.973729	1.88562978	8.598702
2978	478726.63	3850121.93	0.60405	1.52374	0.20649	0.51068	0.54181	0.34162	1.52735	1.52374	6.19810122	0.685752577	5.238E-06	0.026454	0.249856	0.047261	2.636985	2.52474431	7.319671
2979	478776.63	3850121.93	0.63285	1.45849	0.19347	0.52103	0.54821	0.37762	1.46359	1.45849	6.49361536	0.656387098	4.908E-06	0.02699	0.252807	0.052242	2.526903	2.41662904	7.59232
2980	478826.63	3850121.93	0.67087	1.38947	0.18156	0.52657	0.56227	0.40875	1.38899	1.38947	6.88373507	0.625324946	4.606E-06	0.027277	0.259291	0.056549	2.398105	2.3022671	7.948019
2981	478876.63	3850121.93	0.70822	1.33034	0.17096	0.52649	0.60013	0.43396	1.33527	1.33034	7.26697996	0.598713746	4.337E-06	0.027273	0.27675	0.060036	2.305357	2.2042923	8.330822
2982	478976.63	3850121.93	0.74321	1.24122	0.15437	0.50602	0.66671	0.46657	1.24422	1.24122	7.62600912	0.558605677	3.916E-06	0.026213	0.307454	0.064548	2.148158	2.05662589	8.674365
2983	479026.63	3850121.93	0.75087	1.19458	0.14736	0.48931	0.69628	0.47193	1.20033	1.19458	7.70460767	0.537615547	3.738E-06	0.025347	0.32109	0.065289	2.072382	1.97934625	8.746989
2984	479076.63	3850121.93	0.75878	1.14009	0.14084	0.46934	0.72445	0.46955	1.14367	1.14009	7.78577145	0.513092559	3.573E-06	0.024312	0.33408	0.06496	1.974558	1.88905964	8.807719
2985	479126.63	3850121.93	0.76549	1.09657	0.13508	0.44533	0.74841	0.46195	1.10159	1.09657	7.85462214	0.493506572	3.427E-06	0.023069	0.34513	0.063909	1.901906	1.81694966	8.865196
2986	478776.63	3850171.93	0.6205	1.59216	0.20954	0.50995	0.54288	0.35117	1.59686	1.59216	6.36689315	0.716544701	5.316E-06	0.026416	0.250349	0.048583	2.756995	2.63811208	7.527674
2987	478826.63	3850171.93	0.65148	1.51308	0.1959	0.52237	0.5495	0.38664	1.51455	1.51308	6.68477607	0.68095509	4.97E-06	0.027059	0.253402	0.05349	2.614886	2.50708134	7.807492
2988	478876.63	3850171.93	0.69357	1.44063	0.18374	0.52884	0.55696	0.41751	1.44074	1.44063	7.11665767	0.648349282	4.661E-06	0.027395	0.256842	0.05776	2.487452	2.38703611	8.207425
2989	478976.63	3850171.93	0.75081	1.33114	0.16452	0.52169	0.62774	0.46284	1.33687	1.33114	7.70399202	0.599073783	4.174E-06	0.027024	0.289483	0.064032	2.30812	2.20561785	8.78611
2990	479026.63	3850171.93	0.75752	1.28104	0.15666	0.50974	0.65879	0.47527	1.28554	1.28104	7.77284271	0.576526495	3.974E-06	0.026405	0.303801	0.065751	2.219498	2.1226052	8.842224
2991	479076.63	3850171.93	0.76407	1.2302	0.14914	0.49429	0.69058	0.47884	1.23198	1.2302	7.84005165	0.553646174	3.783E-06	0.025605	0.318461	0.066245	2.127026	2.03836642	8.892672
2992	479126.63	3850171.93	0.77018	1.17661	0.14263	0.47407	0.7182	0.47649	1.17723	1.17661	7.9027458	0.529528226	3.618E-06	0.024557	0.331198	0.06592	2.0325	1.94957106	8.936882
2993	479176.63	3850171.93	0.77465	1.13307	0.13703	0.45004	0.73994	0.47002	1.13708	1.13307	7.94861205	0.509933238	3.476E-06	0.023313	0.341224	0.065025	1.96318	1.87742793	8.973862
2994	479226.63	3850171.93	0.77559	1.10497	0.13246	0.42293	0.74954	0.46343	1.10942	1.10497	7.95825731	0.497286955	3.36E-06	0.021908	0.345651	0.064113	1.915425	1.83086794	8.971777
2995	479276.63	3850171.93	0.77504	1.0668	0.1282	0.3948	0.7515	0.45523	1.07181	1.0668	7.95261381	0.480108712	3.252E-06	0.020451	0.346554	0.062979	1.850491	1.76762258	8.945579
2996	479326.63	3850171.93	0.7783	1.02397	0.12331	0.3655	0.76586	0.43829	1.02859	1.02397	7.98606437	0.460833257	3.128E-06	0.018933	0.353177	0.060635	1.775871	1.69665588	8.958861
2997	479376.63	3850171.93	0.78253	0.99347	0.11869	0.3356	0.77517	0.42047	1.00203	0.99347	8.02946801	0.447106864	3.011E-06	0.017385	0.35747	0.05817	1.730015	1.64611924	8.993498
2998	478676.63	3850221.93	0.61876	2.31934	0.26141	0.43842	0.51903	0.26291	2.28881	2.31934	6.34903917	1.043808906	6.631E-06	0.022711	0.239351	0.036372	3.951654	3.84300502	7.799937
2999	478726.63	3850221.93	0.61678	2.02088	0.24411	0.46701	0.52813	0.28082	2.00054	2.02088	6.32872257	0.909488278	6.193E-06	0.024192	0.243547	0.03885	3.453953	3.34847499	7.650284
3000	478976.63	3850221.93	0.75862	1.43951	0.17637	0.53129	0.58574	0.45343	1.44252	1.43951	7.7841297	0.647845231	4.474E-06	0.027522	0.270114	0.06273	2.490525	2.38518033	8.89769
3001	479026.63	3850221.93	0.7708	1.37089	0.16719	0.5259	0.61895	0.47226	1.37787	1.37089	7.90910756	0.616963098	4.241E-06	0.027242	0.285429	0.065335	2.378907	2.27148118	9.011506
3002	479076.63	3850221.93	0.77448	1.32086	0.15857	0.51597	0.65239	0.4826	1.32405	1.32086	7.9468677	0.594447313	4.023E-06	0.026728	0.30085	0.066765	2.285986	2.18858452	9.033063
3003	479126.63	3850221.93	0.77854	1.26478	0.15112	0.50076	0.68277	0.48624	1.26855	1.26478	7.98852698	0.569208753	3.834E-06	0.02594	0.31486	0.067269	2.190164	2.09566337	9.060309
3004	479176.63	3850221.93	0.78175	1.22428	0.14498	0.48048	0.70549	0.48557	1.22692	1.22428	8.0214645	0.550981903	3.678E-06	0.02489	0.325337	0.067176	2.11829	2.02855734	9.079585
3005	479226.63	3850221.93	0.78509	1.18132	0.13949	0.45691	0.72288	0.4804	1.18615	1.18132	8.05573593	0.531647942	3.539E-06	0.023669	0.333356	0.066461	2.0479	1.95737524	9.101398
3006	479276.63	3850221.93	0.78747	1.13968	0.13449	0.43077	0.73465	0.47205	1.14447	1.13968	8.08015689	0.51290804	3.412E-06	0.022314	0.338784	0.065306	1.975939	1.8883803	9.107032
3007	479326.63	3850221.93	0.79112	1.1013	0.12912	0.40298	0.75535	0.45606	1.10517	1.1013	8.1176092	0.495635288	3.275E-06	0.020875	0.34833	0.063094	1.908087	1.82478698	9.128847
3008	479376.63	3850221.93	0.79196	1.05993	0.12438	0.37355	0.76717	0.44041	1.06277	1.05993	8.12622836	0.477016899	3.155E-06	0.01935	0.353781	0.060929	1.834883	1.75623941	9.115952
3009	478676.63	3850271.93	0.66538	3.14049	0.2851	0.40119	0.50919	0.2524	3.08958	3.14049	6.82740268	1.413363901	7.232E-06	0.020782	0.234813	0.034918	5.334191	5.20360052	8.661878
3010	478726.63	3850271.93	0.65423	2.65845	0.26616	0.43463	0.5193	0.2625	2.62104	2.65845	6.71299356	1.19642389	6.752E-06	0.022514	0.239475	0.036316	4.525252	4.40488962	8.328092
3011	478976.63	3850271.93	0.75487	1.56627	0.18959	0.53304	0.55852	0.43736	1.56689	1.56627	7.7456513	0.704893019	4.809E-06	0.027612	0.257562	0.060507	2.705251	2.59521393	8.906267
3012	479026.63	3850271.93	0.79071	1.4847	0.17917	0.53441	0.57805	0.46287	1.48515	1.4847	8.11340223	0.668182795	4.545E-06	0.027683	0.266568	0.064036	2.564127	2.46005741	9.243946
3013	479076.63	3850271.93	0.79317	1.41935	0.16949	0.53071	0.61168	0.4805	1.42153	1.41935	8.13864406	0.638772311	4.3E-06	0.027492	0.282076	0.066475	2.454286	2.35177644	9.255973
3014	479126.63	3850271.93	0.79293	1.36144	0.16097	0.52134	0.64308	0.49091	1.36441	1.36144	8.13618144	0.612710166	4.083E-06	0.027006	0.296557	0.067915	2.355668	2.2558231	9.240218
3015	479176.63	3850271.93	0.79486	1.30808	0.15367	0.50653	0.67013	0.49506	1.31156	1.30808	8.155985	0.58869573	3.898E-06	0.026239	0.309031	0.068489	2.264422	2.16740883	9.245456
3016	479226.63	3850271.93	0.79975	1.25775	0.1473	0.48711	0.69207	0.49382	1.26173	1.25775	8.20616083	0.566044932	3.737E-06	0.025233	0.319148	0.068318	2.17839	2.08401509	9.279283
3017	479276.63	3850271.93	0.80534	1.21279	0.14128	0.46454	0.71327	0.48663	1.217	1.21279	8.26351931	0.545810879	3.584E-06	0.024064	0.328925	0.067323	2.101163	2.00951911	9.321289

3018	479326.63	3850271.93	0.80919	1.17315	0.13544	0.43922	0.73709	0.47345	1.17738	1.17315	8.3030238	0.527971068	3.436E-06	0.022752	0.339909	0.065499	2.032759	1.94383805	9.34808
3019	479376.63	3850271.93	0.81027	1.13312	0.12995	0.41131	0.7607	0.45608	1.13624	1.13312	8.31410558	0.509955741	3.297E-06	0.021306	0.350797	0.063096	1.96173	1.87751078	9.343484
3020	479053.24	3850293.52	0.80605	1.5008	0.17948	0.53533	0.57775	0.46913	1.50163	1.5008	8.27080455	0.67542853	4.553E-06	0.027731	0.26643	0.064902	2.592579	2.48673413	9.411145
3021	479103.24	3850293.52	0.80294	1.43268	0.1699	0.53135	0.61032	0.48596	1.43458	1.43268	8.23889313	0.644771419	4.31E-06	0.027525	0.281449	0.06723	2.476817	2.37386344	9.362826
3022	479153.24	3850293.52	0.80223	1.3739	0.16121	0.52221	0.64195	0.49503	1.37652	1.3739	8.23160788	0.618317735	4.09E-06	0.027051	0.296035	0.068485	2.376576	2.27646856	9.341609
3023	479203.24	3850293.52	0.80603	1.31762	0.15405	0.50721	0.66724	0.49864	1.32091	1.31762	8.27059933	0.592989165	3.908E-06	0.026274	0.307698	0.068984	2.280565	2.18321603	9.363897
3024	479253.24	3850293.52	0.8126	1.26738	0.14744	0.48813	0.69082	0.49582	1.27102	1.26738	8.3380135	0.570378871	3.74E-06	0.025286	0.318572	0.068594	2.194429	2.09997141	9.415306
3025	479303.24	3850293.52	0.81787	1.22412	0.14108	0.4658	0.71649	0.4863	1.22796	1.22412	8.39208848	0.550909896	3.579E-06	0.024129	0.33041	0.067277	2.120085	2.02829223	9.456611
3026	479353.24	3850293.52	0.81988	1.18426	0.13516	0.44028	0.74253	0.47163	1.18759	1.18426	8.4127129	0.532971076	3.429E-06	0.022807	0.342418	0.065248	2.050386	1.96224664	9.4643
3027	479153.24	3850343.52	0.83328	1.48463	0.17249	0.53546	0.57196	0.49413	1.48546	1.48463	8.55020906	0.668151291	4.376E-06	0.027738	0.26376	0.06836	2.564662	2.45994142	9.682943
3028	479203.24	3850343.52	0.84021	1.41473	0.16391	0.5269	0.58181	0.5032	1.41669	1.41473	8.62131715	0.6366931	4.158E-06	0.027294	0.268302	0.069615	2.44593	2.34412138	9.725034
3029	479253.24	3850343.52	0.84579	1.35815	0.15583	0.51391	0.60282	0.50441	1.36065	1.35815	8.67857302	0.611229516	3.953E-06	0.026621	0.277991	0.069783	2.349176	2.25037177	9.763005
3030	479303.24	3850343.52	0.84787	1.30868	0.14849	0.49635	0.69075	0.49874	1.31133	1.30868	8.69991571	0.588965757	3.767E-06	0.025712	0.31854	0.068998	2.264025	2.168403	9.797756
3031	479353.24	3850343.52	0.847	1.26283	0.14194	0.47447	0.71946	0.48757	1.2656	1.26283	8.69098872	0.568331163	3.601E-06	0.024578	0.331779	0.067453	2.185071	2.09243234	9.775773
3032	479203.24	3850393.52	0.91066	1.54422	0.17491	0.53946	0.5742	0.50169	1.54403	1.54422	9.34419809	0.694969512	4.437E-06	0.027945	0.264793	0.069406	2.665783	2.55867842	10.50842
3033	479253.24	3850393.52	0.90237	1.46908	0.16556	0.53305	0.58233	0.50898	1.46998	1.46908	9.25913517	0.661153081	4.2E-06	0.027613	0.268542	0.070415	2.537935	2.43417602	10.39062
3034	479303.24	3850393.52	0.89283	1.4096	0.15712	0.5214	0.6041	0.50871	1.41107	1.4096	9.16124611	0.634384365	3.986E-06	0.027009	0.278581	0.070378	2.436227	2.33562129	10.27221
3035	479353.24	3850393.52	0.88452	1.35684	0.1496	0.50455	0.62355	0.50175	1.35821	1.35684	9.07597797	0.610639956	3.795E-06	0.026136	0.28755	0.069415	2.344963	2.24820118	10.16649
3036	479403.24	3850393.52	0.87628	1.30583	0.14299	0.48306	0.71969	0.48974	1.30744	1.30583	8.99142809	0.587683127	3.627E-06	0.025023	0.331885	0.067753	2.257308	2.16368072	10.0974
3037	479453.24	3850393.52	0.86718	1.25914	0.13687	0.45784	0.75013	0.47252	1.26019	1.25914	8.89805383	0.566670495	3.472E-06	0.023717	0.345923	0.065371	2.175731	2.08631824	9.989151
3038	479503.24	3850393.52	0.85653	1.20245	0.13126	0.42946	0.77911	0.45205	1.20151	1.20245	8.78877517	0.541157406	3.33E-06	0.022247	0.359287	0.062539	2.074419	1.99238636	9.856041
3039	479303.24	3850443.52	0.96654	1.54873	0.16662	0.5404	0.58266	0.51356	1.54781	1.54873	9.91757761	0.696999218	4.227E-06	0.027993	0.268694	0.071049	2.67231	2.56615122	11.08848
3040	479353.24	3850443.52	0.9434	1.4851	0.15781	0.53001	0.60512	0.5113	1.48449	1.4851	9.68014021	0.668362813	4.003E-06	0.027455	0.279051	0.070736	2.562987	2.46072018	10.82802
3041	479403.24	3850443.52	0.926	1.42262	0.15004	0.51396	0.69619	0.50199	1.42212	1.42262	9.50160041	0.64024396	3.806E-06	0.026624	0.321048	0.069448	2.455305	2.35719463	10.65708
3042	479453.24	3850443.52	0.91115	1.36352	0.1432	0.49277	0.7305	0.48717	1.36311	1.36352	9.34922594	0.613646261	3.633E-06	0.025526	0.33687	0.067398	2.353423	2.25926954	10.48682
3043	479503.24	3850443.52	0.8957	1.30267	0.13708	0.46744	0.76347	0.4682	1.30149	1.30267	9.19069492	0.586260983	3.477E-06	0.024214	0.352074	0.064773	2.247036	2.15844479	10.30661
3044	480327.18	3850987.04	0.99179	1.71433	0.16144	0.38378	0.76077	0.43676	1.70953	1.71433	10.1766655	0.77152678	4.095E-06	0.01988	0.350829	0.060424	2.951521	2.84054032	11.49031
3045	480377.18	3850987.04	0.98833	1.60846	0.16038	0.36408	0.75974	0.43013	1.60503	1.60846	10.1411628	0.723880446	4.068E-06	0.01886	0.350354	0.059506	2.771101	2.66512019	11.39975
3046	480427.18	3850987.04	0.9886	1.51111	0.15755	0.35943	0.75409	0.42604	1.50858	1.51111	10.1439332	0.6800685	3.997E-06	0.018619	0.347749	0.058941	2.604579	2.50381717	11.35008
3047	480477.18	3850987.04	0.99254	1.41286	0.15298	0.35172	0.74371	0.42519	1.41089	1.41286	10.1843612	0.635851514	3.881E-06	0.01822	0.342962	0.058823	2.435916	2.34102291	11.33511
3048	480327.18	3851037.04	1.03447	2.00301	0.16296	0.4289	0.76368	0.4473	2.00087	2.00301	10.6146011	0.901445962	4.134E-06	0.022218	0.352171	0.061882	3.454522	3.31886549	12.08798
3049	480377.18	3851037.04	1.02345	1.85575	0.16346	0.39284	0.76826	0.43855	1.85376	1.85575	10.5015259	0.835172237	4.147E-06	0.02035	0.354283	0.060671	3.200535	3.07486464	11.89768
3050	480427.18	3851037.04	1.01508	1.72958	0.16198	0.36826	0.76817	0.43195	1.72807	1.72958	10.4156421	0.778389976	4.109E-06	0.019076	0.354242	0.059758	2.98353	2.86580864	11.74483
3051	480477.18	3851037.04	1.0109	1.60667	0.1585	0.36345	0.76316	0.42815	1.60567	1.60667	10.3727515	0.723074864	4.021E-06	0.018827	0.351932	0.059232	2.772206	2.66215427	11.63587
3052	480622.06	3851087.39	1.03415	1.51039	0.25442	0.35032	0.75125	0.42778	1.51415	1.51039	10.6113176	0.679744468	6.454E-06	0.018147	0.346439	0.059181	2.614195	2.50262417	11.82641
3053	480672.06	3851087.39	1.0338	1.61011	0.33309	0.33728	0.73376	0.42645	1.64327	1.61011	10.6077263	0.724623021	8.45E-06	0.017472	0.338374	0.058997	2.837122	2.66785414	11.91647
3054	480622.06	3851137.39	1.06008	1.75739	0.21868	0.36378	0.77398	0.43169	1.76493	1.75739	10.8773829	0.790905746	5.547E-06	0.018844	0.356921	0.059722	3.04717	2.91188812	12.23906
3055	480672.06	3851137.39	1.05881	1.62793	0.28981	0.35369	0.76174	0.42955	1.63594	1.62793	10.8643516	0.732642835	7.352E-06	0.018322	0.351277	0.059426	2.824467	2.69738079	12.15311
3056	480722.06	3851137.39	1.05684	1.75256	0.37553	0.34062	0.7448	0.42742	1.78866	1.75256	10.8441376	0.788732026	9.526E-06	0.017645	0.343465	0.059131	3.08814	2.9038851	12.23737
3057	480622.06	3851187.39	1.10718	2.1008	0.18581	0.37438	0.79032	0.43717	2.11644	2.1008	11.3606716	0.945455927	4.714E-06	0.019393	0.364456	0.06048	3.654055	3.48089756	12.92362
3058	480672.06	3851187.39	1.09497	1.91601	0.25057	0.36696	0.78357	0.43518	1.9294	1.91601	11.235386	0.862291989	6.356E-06	0.019009	0.361344	0.060205	3.331129	3.17471179	12.69466
3059	480722.06	3851187.39	1.08899	1.7666	0.33011	0.35657	0.77188	0.43341	1.77751	1.7666	11.1740257	0.795050667	8.374E-06	0.018471	0.355953	0.05996	3.068889	2.92714853	12.54521
3060	471363.09	3845877.25	0.32125	0.2534	0.06317	0.08912	0.14866	0.14915	0.22751	0.2534	3.29631656	0.114041571	1.602E-06	0.004617	0.068555	0.020634	0.392798	0.41986836	3.477095
3061	471863.09	3845877.25	0.35159	0.21456	0.06541	0.0886	0.19859	0.1656	0.19245	0.21456	3.60763249	0.096561797	1.659E-06	0.00459	0.09158	0.02291	0.332267	0.35551284	3.800029
3062	472363.09	3845877.25	0.36148	0.21137	0.16352	0.13052	0.26684	0.17319	0.21153	0.21137	3.70911287	0.095126152	4.148E-06	0.006761	0.123053	0.02396	0.365209	0.35022721	3.972999
3063	472863.09	3845877.25	0.34734	0.21308	0.12545	0.17066	0.33212	0.17063	0.21988	0.21308	3.56402364	0.09589573	3.182E-06	0.00884	0.153157	0.023606	0.379625	0.35306057	3.872091
3064	473363.09	3845877.25	0.31317	0.20397	0.13971	0.19424	0.38291	0.15803	0.22624	0.20397	3.21340843	0.091795814	3.544E-06	0.010062	0.176579	0.021863	0.390606	0.33796586	3.566351
3065	473863.09	3845877.25	0.26339	0.17829	0.10673	0.24216	0.40412	0.13757	0.20832	0.17829	2.70262045	0.080238641	2.708E-06	0.012544	0.18636	0.019032	0.359667	0.29541566	3.065049
3066	474363.09	3845877.25	0.20818	0.1444	0.07435	0.16258	0.39792	0.11313	0.17264	0.1444	2.13611574	0.064986594	1.886E-06	0.008422	0.183501	0.015651	0.298065	0.239262	2.467481
3067	474863.09	3845877.25	0.25853	0.15281	0.07492	0.18168	0.33669	0.08954	0.15407	0.15281	2.65275244	0.068771478	1.901E-06	0.009411	0.155265	0.012387	0.266003	0.25319686	2.911396
3068	475363.09	3845877.25	0.42061	0.18026	0.06717	0.09234	0.29781	0.15048	0.18185	0.18026	4.31584034	0.081125231	1.704E-06	0.004783	0.137335	0.020818	0.313966	0.29867983	4.57519
3069	475863.09	3845877.25	0.52356	0.17805	0.05265	0.0706	0.20945	0.14577	0.17967	0.17805	5.37220077	0.08013063	1.336E-06	0.003657	0.096588	0.020167	0.310202	0.295018	5.587929
3070	476363.09	3845877.25	0.49115	0.16155	0.06625	0.13321	0.15422	0.14346	0.18928	0.16155	5.03964476	0.072704877	1.681E-06	0.0069	0.071119	0.019847	0.326794	0.2676785	5.269333
3071	476863.09	3845877.25	0.35236	0.14299	0.05771	0.18851	0.11543	0.13985	0.15278	0.14299	3.61553339	0.064352029	1.464E-06	0.009765	0.053231	0.019348	0.263776	0.23692571	3.789081
3072	477363.09	3845877.25	0.22563	0.12711	0.05636	0.20718	0.38157	0.1151	0.12821	0.12711	2.31516858	0.057205304	1.43E-06	0.010732	0.175961	0.015924	0.221356	0.21061352	2.585735
3073	477863.09	3845877.25	0.24339	0.10738	0.06533	0.14922	0.62292	0.07594	0.10829	0.10738	2.49740229	0.048325903	1.657E-06	0.00773	0.28726	0.010506	0.186964	0.17792212	2.860267
3074	478363.09	3845877.25	0.27552	0.09919	0.07672	0.08485	0.55178	0.05572	0.09611	0.09919	2.82708526	0.044640029	1.946E-06	0.004395	0.254454	0.007709	0.165935	0.16435178	3.139868

3075	478863.09	3845877.25	0.25352	0.10528	0.08208	0.06205	0.16337	0.06437	0.09617	0.10528	2.60134529	0.047380807	2.082E-06	0.003214	0.075338	0.008905	0.166038	0.17444254	2.727782
3076	479363.09	3845877.25	0.31439	0.09297	0.0799	0.0793	0.09609	0.06972	0.08354	0.09297	3.22592673	0.041840745	2.027E-06	0.004108	0.044312	0.009645	0.144233	0.15404562	3.316022
3077	479863.09	3845877.25	0.29152	0.08882	0.08633	0.07263	0.10669	0.07121	0.07782	0.08882	2.99125978	0.039973056	2.19E-06	0.003762	0.0492	0.009852	0.134357	0.14716933	3.081237
3078	480363.09	3845877.25	0.29462	0.07221	0.11575	0.07337	0.14057	0.07465	0.07418	0.07221	3.02306859	0.032497797	2.936E-06	0.003801	0.064824	0.010327	0.128073	0.11964757	3.142946
3079	480863.09	3845877.25	0.30074	0.07054	0.10746	0.0764	0.1748	0.07887	0.07189	0.07054	3.08586534	0.031746221	2.726E-06	0.003958	0.080609	0.010911	0.124119	0.11688048	3.220331
3080	481363.09	3845877.25	0.29836	0.06884	0.07963	0.07589	0.19852	0.08331	0.06974	0.06884	3.06144438	0.030981143	2.02E-06	0.003931	0.091548	0.011526	0.120407	0.11406368	3.205775
3081	481863.09	3845877.25	0.22656	0.05821	0.04958	0.07188	0.20049	0.09955	0.06179	0.05821	2.32471122	0.026197158	1.258E-06	0.003723	0.092456	0.013772	0.106681	0.09645042	2.471092
3082	482363.09	3845877.25	0.16553	0.05112	0.0487	0.06504	0.1759	0.11279	0.0537	0.05112	1.69848803	0.023006334	1.235E-06	0.003369	0.081116	0.015604	0.092714	0.08470272	1.829596
3083	482863.09	3845877.25	0.16418	0.05244	0.06648	0.07204	0.18592	0.11309	0.05164	0.05244	1.68463581	0.023600395	1.686E-06	0.003732	0.085737	0.015645	0.089157	0.08688988	1.815619
3084	483363.09	3845877.25	0.14543	0.06748	0.07997	0.09193	0.35611	0.09958	0.05543	0.06748	1.49224379	0.030369081	2.029E-06	0.004762	0.16422	0.013776	0.0957	0.11181025	1.689264
3085	483863.09	3845877.25	0.11122	0.05271	0.08385	0.10668	0.44061	0.07732	0.04841	0.05271	1.14121814	0.023721907	2.127E-06	0.005526	0.203187	0.010697	0.08358	0.08733726	1.380596
3086	484363.09	3845877.25	0.09791	0.04772	0.07653	0.10655	0.34456	0.05453	0.04659	0.04772	1.00464546	0.021476179	1.941E-06	0.005519	0.158894	0.007544	0.080438	0.07906913	1.19945
3087	484863.09	3845877.25	0.09451	0.04659	0.06241	0.09059	0.20722	0.0429	0.04693	0.04659	0.96975837	0.020967627	1.583E-06	0.004693	0.09556	0.005935	0.081025	0.07719679	1.100743
3088	485363.09	3845877.25	0.09161	0.04688	0.05882	0.07177	0.13215	0.0453	0.04723	0.04688	0.94000174	0.021098141	1.492E-06	0.003718	0.060941	0.006267	0.081543	0.0776773	1.035893
3089	485863.09	3845877.25	0.09215	0.04712	0.0616	0.06749	0.12695	0.05271	0.04748	0.04712	0.94554263	0.021206152	1.563E-06	0.003496	0.058543	0.007292	0.081975	0.07807497	1.039981
3090	486363.09	3845877.25	0.09559	0.04733	0.05764	0.06081	0.11492	0.06089	0.04769	0.04733	0.98084016	0.021300661	1.462E-06	0.00315	0.052995	0.008424	0.082337	0.07842293	1.070626
3091	486863.09	3845877.25	0.09912	0.0475	0.04658	0.05302	0.18884	0.06682	0.04786	0.0475	1.01706116	0.021377169	1.182E-06	0.002747	0.087084	0.009244	0.082631	0.0787046	1.14144
3092	487363.09	3845877.25	0.09919	0.04763	0.05565	0.04535	0.27477	0.081	0.04799	0.04763	1.01777942	0.021435675	1.412E-06	0.002349	0.12671	0.011206	0.082855	0.07892001	1.183417
3093	487863.09	3845877.25	0.09264	0.04774	0.05952	0.04572	0.2977	0.08148	0.0481	0.04774	0.95057048	0.02148518	1.51E-06	0.002368	0.137284	0.011272	0.083045	0.07910227	1.126925
3094	488363.09	3845877.25	0.09781	0.04782	0.04855	0.04245	0.39871	0.08816	0.04818	0.04782	1.00361937	0.021521184	1.232E-06	0.002199	0.183865	0.012197	0.083183	0.07923483	1.227351
3095	488863.09	3845877.25	0.10331	0.04787	0.0471	0.08803	0.35806	0.08677	0.04824	0.04787	1.06005436	0.021543686	1.195E-06	0.00456	0.165119	0.012004	0.083287	0.07931767	1.267252
3096	489363.09	3845877.25	0.09319	0.0479	0.04631	0.09524	0.14841	0.07015	0.04827	0.0479	0.95621398	0.021557187	1.175E-06	0.004934	0.068439	0.009705	0.083339	0.07936738	1.064821
3097	489863.09	3845877.25	0.06655	0.04791	0.04531	0.07572	0.13898	0.04422	0.04828	0.04791	0.6828634	0.021561688	1.149E-06	0.003922	0.064091	0.006118	0.083356	0.07938395	0.782529
3098	490363.09	3845877.25	0.06094	0.04789	0.05948	0.06359	0.15066	0.04749	0.04826	0.04789	0.62529971	0.021552687	1.509E-06	0.003294	0.069477	0.00657	0.083321	0.07935081	0.730165
3099	490863.09	3845877.25	0.06608	0.04786	0.05723	0.0581	0.20784	0.0513	0.04823	0.04786	0.67804077	0.021539185	1.452E-06	0.00301	0.095845	0.007097	0.08327	0.0793011	0.809502
3100	491363.09	3845877.25	0.06983	0.04781	0.05309	0.05784	0.23503	0.0531	0.04817	0.04781	0.71651918	0.021516683	1.347E-06	0.002996	0.108384	0.007346	0.083166	0.07921826	0.860711
3101	491863.09	3845877.25	0.07151	0.04774	0.04344	0.0667	0.16152	0.05179	0.0481	0.04774	0.7337575	0.02148518	1.102E-06	0.003455	0.074485	0.007165	0.083045	0.07910227	0.844292
3102	492363.09	3845877.25	0.06884	0.04765	0.05197	0.07318	0.11356	0.04654	0.04801	0.04765	0.70636088	0.021444676	1.318E-06	0.003791	0.052368	0.006439	0.08289	0.07895315	0.794341
3103	492863.09	3845877.25	0.06418	0.04755	0.04883	0.05483	0.09283	0.03865	0.04791	0.04755	0.65854505	0.021399671	1.239E-06	0.00284	0.042809	0.005347	0.082717	0.07878745	0.734872
3104	493363.09	3845877.25	0.06086	0.04743	0.0444	0.07783	0.11867	0.03598	0.04779	0.04743	0.62447884	0.021345666	1.126E-06	0.004032	0.054725	0.004978	0.08251	0.07858862	0.713481
3105	493863.09	3845877.25	0.05842	0.0473	0.05396	0.08648	0.18109	0.03663	0.04766	0.0473	0.59944222	0.02128716	1.369E-06	0.00448	0.08351	0.005068	0.082285	0.07837322	0.7177
3106	494363.09	3845877.25	0.05746	0.04716	0.04534	0.08212	0.20193	0.03939	0.04752	0.04716	0.58959175	0.021224153	1.15E-06	0.004254	0.09312	0.005449	0.082044	0.07814125	0.717543
3107	494863.09	3845877.25	0.06308	0.04701	0.03882	0.07378	0.16775	0.03952	0.04737	0.04701	0.64725805	0.021156647	9.848E-07	0.003822	0.077358	0.005467	0.081785	0.0778927	0.758955
3108	495363.09	3845877.25	0.06986	0.04685	0.03599	0.05671	0.20406	0.04483	0.04721	0.04685	0.716827	0.021084639	9.13E-07	0.002938	0.094102	0.006202	0.081509	0.07762759	0.845036
3109	495863.09	3845877.25	0.07556	0.04669	0.0326	0.04377	0.22794	0.05608	0.04704	0.04669	0.77531418	0.021012632	8.27E-07	0.002267	0.105115	0.007758	0.081215	0.07736248	0.915321
3110	496363.09	3845877.25	0.08011	0.04652	0.03884	0.03917	0.21773	0.04138	0.04687	0.04652	0.82200131	0.020936124	9.853E-07	0.002029	0.100406	0.005725	0.080922	0.0770808	0.954939
3111	496863.09	3845877.25	0.08365	0.04634	0.04799	0.05306	0.21153	0.04109	0.04669	0.04634	0.85832492	0.020855116	1.217E-06	0.002749	0.097547	0.005685	0.080611	0.07678256	0.98899
3112	497363.09	3845877.25	0.08625	0.04616	0.03717	0.06563	0.16415	0.04593	0.0465	0.04616	0.88500328	0.020774108	9.429E-07	0.0034	0.075698	0.006354	0.080283	0.07648431	0.995028
3113	497863.09	3845877.25	0.08757	0.04597	0.04228	0.07284	0.1467	0.04244	0.04632	0.04597	0.89854768	0.020688599	1.073E-06	0.003773	0.067651	0.005871	0.079972	0.07616949	1.000335
3114	498363.09	3845877.25	0.08689	0.04579	0.03289	0.06841	0.13181	0.03624	0.04613	0.04579	0.89157026	0.020607591	8.343E-07	0.003544	0.060784	0.005014	0.079644	0.07587124	0.985293
3115	471363.09	3846377.25	0.27403	2.01229	0.09048	0.30967	0.66608	0.1945	2.02775	2.01229	2.8117965	0.905622385	2.295E-06	0.016041	0.307163	0.026908	3.500931	3.33424188	4.234223
3116	471863.09	3846377.25	0.32136	1.07671	0.06359	0.20016	0.38258	0.14727	1.0892	1.07671	3.29744526	0.484568665	1.613E-06	0.010369	0.176427	0.020374	1.880515	1.78404285	4.085657
3117	472363.09	3846377.25	0.35476	0.22656	0.06777	0.07888	0.18221	0.16615	0.20071	0.22656	3.64015957	0.101962345	1.719E-06	0.004086	0.084026	0.022986	0.346528	0.37539611	3.824354
3118	472863.09	3846377.25	0.36967	0.21197	0.15125	0.12162	0.25204	0.17646	0.19678	0.21197	3.7931497	0.095396179	3.837E-06	0.0063	0.116228	0.024412	0.339743	0.35122137	4.024012
3119	473363.09	3846377.25	0.36158	0.22302	0.16366	0.16668	0.32409	0.17623	0.22606	0.22302	3.71013896	0.100369184	4.152E-06	0.008634	0.149454	0.024381	0.390295	0.36953055	4.013746
3120	473863.09	3846377.25	0.33055	0.21936	0.1676	0.19785	0.38466	0.16533	0.24061	0.21936	3.391743	0.098722016	4.252E-06	0.010249	0.177386	0.022873	0.415416	0.36346615	3.752926
3121	474363.09	3846377.25	0.28089	0.19946	0.13408	0.29433	0.41567	0.14799	0.23121	0.19946	2.88218633	0.089766108	3.401E-06	0.015247	0.191686	0.020474	0.399186	0.33049306	3.268056
3122	474863.09	3846377.25	0.22266	0.19836	0.0884	0.18703	0.47538	0.12018	0.20011	0.19836	2.28469368	0.089271058	2.243E-06	0.009688	0.219222	0.016626	0.345492	0.32867043	2.636325
3123	475363.09	3846377.25	0.30367	0.1941	0.07689	0.20378	0.36373	0.09646	0.1955	0.1941	3.1159298	0.087353863	1.951E-06	0.010556	0.167734	0.013345	0.337533	0.32161187	3.410842
3124	475863.09	3846377.25	0.46768	0.18856	0.06742	0.10963	0.32869	0.17863	0.18854	0.18856	4.79882125	0.08486061	1.71E-06	0.005679	0.151576	0.024713	0.325516	0.31243243	5.078734
3125	476363.09	3846377.25	0.55576	0.19237	0.05662	0.074	0.22313	0.15184	0.16801	0.19237	5.70260199	0.086575284	1.436E-06	0.003833	0.102896	0.021006	0.290071	0.31874537	5.88824
3126	476863.09	3846377.25	0.49921	0.17048	0.07045	0.15176	0.16278	0.15376	0.2003	0.17048	5.12234767	0.076723784	1.787E-06	0.007861	0.075066	0.021272	0.34582	0.28247497	5.366618
3127	477363.09	3846377.25	0.34847	0.13702	0.05966	0.21378	0.12032	0.15125	0.16694	0.13702	3.57561846	0.061665257	1.513E-06	0.011074	0.055486	0.020925	0.288224	0.22703379	3.785959
3128	477863.09	3846377.25	0.22167	0.1324	0.05951	0.2119	0.45887	0.11672	0.13372	0.1324	2.27453538	0.059586046	1.51E-06	0.010977	0.211608	0.016148	0.230869	0.21937873	2.584346
3129	478363.09	3846377.25	0.30264	0.1296	0.07342	0.15123	0.67424	0.07483	0.13081	0.1296	3.10536107	0.058325918	1.863E-06	0.007834	0.310926	0.010352	0.225845	0.2147393	3.503907
3130	478863.09	3846377.25	0.31478	0.12782	0.08293	0.08582	0.56878	0.06156	0.12901	0.12782	3.22992849	0.057524837	2.104E-06	0.004446	0.262293	0.008517	0.222737	0.21178995	3.573658
3131	479363.09	3846377.25	0.32202	0.12606	0.0844	0.08809	0.13052	0.06925	0.1272	0.12606	3.30421746	0.056732756	2.141E-06	0.004563	0.060189	0.00958	0.219612	0.20887374	3.446024

3132	479863.09	3846377.25	0.3403	0.12419	0.07839	0.08753	0.09763	0.07259	0.12514	0.12419	3.49178685	0.055891171	1.989E-06	0.004534	0.045022	0.010042	0.216055	0.20577526	3.617559
3133	480363.09	3846377.25	0.29308	0.1228	0.11325	0.07699	0.12291	0.0749	0.12374	0.1228	3.00726679	0.055265607	2.873E-06	0.003988	0.05668	0.010362	0.213638	0.20347212	3.143732
3134	480863.09	3846377.25	0.30432	0.11474	0.11523	0.07678	0.16006	0.08426	0.1153	0.11474	3.12259939	0.051638239	2.923E-06	0.003977	0.073812	0.011657	0.199067	0.19011719	3.272636
3135	481363.09	3846377.25	0.29729	0.08137	0.09356	0.07817	0.21885	0.09237	0.08231	0.08137	3.05046521	0.036620216	2.373E-06	0.004049	0.100923	0.012779	0.142109	0.13482513	3.212123
3136	481863.09	3846377.25	0.30635	0.06659	0.08101	0.07588	0.20934	0.09482	0.06736	0.06659	3.14342904	0.029968541	2.055E-06	0.003931	0.096537	0.013118	0.116298	0.11033557	3.292948
3137	482363.09	3846377.25	0.24211	0.062	0.04991	0.07017	0.19948	0.11142	0.06246	0.062	2.48426833	0.027902831	1.266E-06	0.003635	0.09199	0.015414	0.107838	0.10273022	2.62832
3138	482863.09	3846377.25	0.16755	0.06153	0.06299	0.06645	0.15965	0.11698	0.06199	0.06153	1.71921506	0.02769131	1.598E-06	0.003442	0.073623	0.016184	0.107026	0.10195146	1.845231
3139	483363.09	3846377.25	0.15518	0.07237	0.08224	0.086	0.3008	0.10781	0.0616	0.07237	1.59228764	0.032569805	2.086E-06	0.004455	0.138714	0.014915	0.106353	0.11991268	1.769384
3140	483863.09	3846377.25	0.12492	0.06075	0.08557	0.10422	0.44267	0.08701	0.06121	0.06075	1.28179257	0.027340274	2.171E-06	0.005399	0.204137	0.012037	0.10568	0.10065905	1.535729
3141	484363.09	3846377.25	0.09829	0.06035	0.07782	0.11005	0.40434	0.06247	0.06082	0.06035	1.00854461	0.027160256	1.974E-06	0.005701	0.186462	0.008642	0.105006	0.09999627	1.241522
3142	484863.09	3846377.25	0.09475	0.06	0.07831	0.09828	0.22365	0.04392	0.06047	0.06	0.97222099	0.02700274	1.987E-06	0.005091	0.103136	0.006076	0.104402	0.09941634	1.118515
3143	485363.09	3846377.25	0.09175	0.05963	0.06439	0.07791	0.16898	0.04559	0.0601	0.05963	0.94143827	0.026836223	1.633E-06	0.004036	0.077925	0.006307	0.103763	0.09880328	1.061504
3144	485863.09	3846377.25	0.09208	0.05925	0.06728	0.07004	0.12893	0.05316	0.05972	0.05925	0.94482437	0.026665205	1.707E-06	0.003628	0.059456	0.007354	0.103107	0.09817364	1.046864
3145	486363.09	3846377.25	0.0954	0.05887	0.05162	0.06397	0.1222	0.06156	0.05933	0.05887	0.97889058	0.026494188	1.309E-06	0.003314	0.056353	0.008517	0.102434	0.097544	1.078459
3146	486863.09	3846377.25	0.09941	0.0585	0.04743	0.05623	0.1889	0.0678	0.05896	0.0585	1.02003682	0.026327671	1.203E-06	0.002913	0.087111	0.00938	0.101795	0.09693093	1.150634
3147	487363.09	3846377.25	0.09998	0.05813	0.06174	0.04841	0.28137	0.08239	0.05858	0.05813	1.02588554	0.026161154	1.566E-06	0.002508	0.129754	0.011398	0.101139	0.09631787	1.200529
3148	487863.09	3846377.25	0.09451	0.05775	0.05649	0.0517	0.30696	0.08346	0.05821	0.05775	0.96975837	0.025990137	1.433E-06	0.002678	0.141555	0.011546	0.1005	0.09568823	1.156341
3149	488363.09	3846377.25	0.09931	0.05737	0.05093	0.07016	0.4175	0.09204	0.05782	0.05737	1.01901073	0.02581912	1.292E-06	0.003634	0.19253	0.012733	0.099827	0.09505859	1.258497
3150	488863.09	3846377.25	0.10421	0.05698	0.0445	0.08964	0.34192	0.08732	0.05743	0.05698	1.06928918	0.025643602	1.129E-06	0.004643	0.157677	0.01208	0.099153	0.09441239	1.274075
3151	489363.09	3846377.25	0.09228	0.05658	0.04709	0.09724	0.19343	0.0698	0.05703	0.05658	0.94687655	0.025463584	1.195E-06	0.005037	0.0892	0.009656	0.098463	0.09374961	1.080949
3152	489863.09	3846377.25	0.06463	0.05619	0.06144	0.08857	0.15287	0.04427	0.05662	0.05619	0.66316246	0.025288066	1.559E-06	0.004588	0.070496	0.006125	0.097755	0.09310341	0.774312
3153	490363.09	3846377.25	0.06398	0.05578	0.04768	0.06396	0.14322	0.04974	0.05622	0.05578	0.65649287	0.025103547	1.21E-06	0.003313	0.066046	0.006881	0.097064	0.09242406	0.762478
3154	490863.09	3846377.25	0.0685	0.05538	0.06055	0.05853	0.23319	0.05285	0.05581	0.05538	0.70287217	0.024923529	1.536E-06	0.003032	0.107536	0.007312	0.096357	0.09176128	0.850272
3155	491363.09	3846377.25	0.07162	0.05498	0.04863	0.05846	0.22557	0.05382	0.05541	0.05498	0.7348862	0.024743511	1.234E-06	0.003028	0.104022	0.007446	0.095666	0.09109851	0.878694
3156	491863.09	3846377.25	0.07237	0.05459	0.04984	0.06882	0.13132	0.05147	0.05501	0.05459	0.74258188	0.024567993	1.264E-06	0.003565	0.060558	0.007121	0.094975	0.0904523	0.842918
3157	492363.09	3846377.25	0.06788	0.05419	0.05392	0.07457	0.11197	0.04511	0.05461	0.05419	0.69651041	0.024387974	1.368E-06	0.003863	0.051635	0.006241	0.094285	0.08978953	0.787134
3158	492863.09	3846377.25	0.06163	0.05381	0.03997	0.0629	0.08807	0.03666	0.05422	0.05381	0.63237973	0.024216957	1.014E-06	0.003258	0.040614	0.005072	0.093611	0.08915989	0.709993
3159	493363.09	3846377.25	0.0587	0.05343	0.04968	0.08368	0.15947	0.03836	0.05384	0.05343	0.60231527	0.02404594	1.26E-06	0.004335	0.07354	0.005307	0.092955	0.08853025	0.713969
3160	493863.09	3846377.25	0.05909	0.05306	0.05438	0.08687	0.20523	0.04053	0.05346	0.05306	0.60631703	0.023879423	1.38E-06	0.0045	0.094642	0.005607	0.092299	0.08791719	0.739329
3161	494363.09	3846377.25	0.06663	0.0527	0.04044	0.08063	0.19214	0.03996	0.0531	0.0527	0.68368427	0.023717406	1.026E-06	0.004177	0.088605	0.005528	0.091678	0.08732069	0.81007
3162	494863.09	3846377.25	0.07327	0.05235	0.03689	0.07068	0.19579	0.03901	0.05274	0.05235	0.7518167	0.02355989	9.358E-07	0.003661	0.090289	0.005397	0.091056	0.08674076	0.87904
3163	495363.09	3846377.25	0.07871	0.05201	0.0328	0.05022	0.2309	0.04556	0.0524	0.05201	0.80763604	0.023406875	8.321E-07	0.002601	0.10648	0.006303	0.090469	0.0861774	0.95072
3164	495863.09	3846377.25	0.08296	0.05169	0.03493	0.04345	0.23004	0.05585	0.05208	0.05169	0.85124489	0.02326286	8.861E-07	0.002251	0.106083	0.007727	0.089917	0.08564718	0.994838
3165	496363.09	3846377.25	0.08624	0.05138	0.04938	0.04747	0.22373	0.04203	0.05176	0.05138	0.88490067	0.023123346	1.253E-06	0.002459	0.103173	0.005815	0.089364	0.08513353	1.023703
3166	496863.09	3846377.25	0.08853	0.05108	0.04526	0.06117	0.16957	0.04062	0.05146	0.05108	0.90839815	0.022988332	1.148E-06	0.003169	0.078197	0.00562	0.088846	0.08463645	1.022583
3167	497363.09	3846377.25	0.08933	0.0508	0.04054	0.0718	0.15448	0.0492	0.05118	0.0508	0.91660687	0.02286232	1.028E-06	0.003719	0.071239	0.006807	0.088363	0.0841725	1.025425
3168	497863.09	3846377.25	0.08784	0.05053	0.03494	0.07323	0.13533	0.04179	0.0509	0.05053	0.90131812	0.022740807	8.864E-07	0.003793	0.062407	0.005781	0.087879	0.08372513	1.000196
3169	498363.09	3846377.25	0.08378	0.05027	0.03599	0.06101	0.13217	0.03701	0.05064	0.05027	0.85965884	0.022623795	9.13E-07	0.00316	0.06095	0.00512	0.08743	0.08329433	0.95565
3170	471363.09	3846877.25	0.30793	0.56385	0.32668	0.3234	0.63262	0.23151	0.5679	0.56385	3.15964127	0.253758247	8.287E-06	0.016753	0.291733	0.032028	0.980485	0.93426508	3.800142
3171	471863.09	3846877.25	0.27787	0.87497	0.14384	0.33328	0.73977	0.22268	0.88545	0.87497	2.85119839	0.393776453	3.649E-06	0.017264	0.341145	0.030807	1.528738	1.44977196	3.713161
3172	472363.09	3846877.25	0.31843	4.94319	0.06975	0.29426	0.59371	0.17464	4.98596	4.94319	3.2673808	2.224661216	1.769E-06	0.015243	0.27379	0.024161	8.60831	8.19056455	6.222983
3173	472863.09	3846877.25	0.35669	0.24705	0.06976	0.09526	0.16485	0.16605	0.24852	0.24705	3.65996312	0.111183781	1.77E-06	0.004935	0.076021	0.022972	0.429072	0.40934679	3.894802
3174	473363.09	3846877.25	0.378	0.21366	0.16057	0.11143	0.23588	0.17914	0.22244	0.21366	3.87862306	0.096156756	4.073E-06	0.005772	0.108776	0.024783	0.384045	0.3540216	4.144139
3175	473863.09	3846877.25	0.37617	0.28044	0.23175	0.16056	0.31401	0.18149	0.28328	0.28044	3.8598456	0.126210805	5.879E-06	0.008317	0.144806	0.025108	0.489086	0.46467199	4.188707
3176	474363.09	3846877.25	0.34829	0.29071	0.19064	0.1998	0.3832	0.17265	0.29363	0.29071	3.5737715	0.130832774	4.836E-06	0.01035	0.176713	0.023885	0.506955	0.48168875	3.940824
3177	474863.09	3846877.25	0.29921	0.27357	0.15451	0.31039	0.4259	0.16432	0.27621	0.27357	3.07016616	0.123118992	3.92E-06	0.016079	0.196404	0.022733	0.476879	0.45328882	3.452095
3178	475363.09	3846877.25	0.23763	0.24465	0.09296	0.23308	0.49886	0.12787	0.24703	0.24465	2.43829947	0.110103671	2.358E-06	0.012074	0.230049	0.01769	0.4265	0.40537014	2.829349
3179	475863.09	3846877.25	0.34427	0.26126	0.07885	0.22205	0.38663	0.1191	0.26358	0.26126	3.53252265	0.11757893	2E-06	0.011502	0.178295	0.016477	0.455074	0.4328919	3.878559
3180	476363.09	3846877.25	0.50782	0.24209	0.06741	0.12564	0.35554	0.18832	0.24413	0.24209	5.21069409	0.108951554	1.71E-06	0.006508	0.163957	0.026053	0.421493	0.40112837	5.536531
3181	476863.09	3846877.25	0.58819	0.20746	0.06665	0.07773	0.23851	0.16104	0.20627	0.20746	6.03536323	0.093366473	1.691E-06	0.004027	0.109989	0.022279	0.356127	0.34374858	6.277405
3182	477363.09	3846877.25	0.50447	0.17599	0.07285	0.17127	0.17222	0.16623	0.2088	0.17599	5.17632004	0.079203536	1.848E-06	0.008872	0.079419	0.022997	0.360495	0.2916047	5.435704
3183	477863.09	3846877.25	0.33971	0.15501	0.06121	0.23542	0.13017	0.15787	0.17612	0.15501	3.48573291	0.069761578	1.553E-06	0.012195	0.060028	0.021841	0.304073	0.25684212	3.69679
3184	478363.09	3846877.25	0.30452	0.1391	0.0681	0.22584	0.57675	0.12226	0.14026	0.1391	3.12465157	0.062601352	1.728E-06	0.011699	0.265968	0.016914	0.24216	0.23048022	3.493516
3185	478863.09	3846877.25	0.3901	0.13705	0.08371	0.16403	0.78053	0.07985	0.13868	0.13705	4.00278005	0.061678758	2.124E-06	0.008497	0.359942	0.011047	0.239432	0.2270835	4.456295
3186	479363.09	3846877.25	0.34437	0.13545	0.08768	0.08728	0.54905	0.06922	0.13685	0.13545	3.53354874	0.060958685	2.224E-06	0.004521	0.253195	0.009576	0.236273	0.22443239	3.873642
3187	479863.09	3846877.25	0.30339	0.13265	0.08454	0.07156	0.12803	0.073	0.13373	0.13265	3.11305675	0.059698557	2.145E-06	0.003707	0.059041	0.010099	0.230886	0.21979297	3.256698
3188	480363.09	3846877.25	0.26598	0.11184	0.10492	0.06971	0.10447	0.07467	0.11272	0.11184	2.7291962	0.050333107	2.662E-06	0.003611	0.048176	0.01033	0.194612	0.18531206	2.85095

3189	480863.09	3846877.25	0.30568	0.07327	0.12094	0.07629	0.14134	0.07888	0.07386	0.07327	3.13655423	0.032974846	3.068E-06	0.003952	0.065179	0.010913	0.12752	0.12140392	3.255692
3190	481363.09	3846877.25	0.29766	0.0811	0.10836	0.07958	0.18114	0.08957	0.08222	0.0811	3.05426175	0.036498703	2.749E-06	0.004122	0.083533	0.012392	0.141954	0.13437776	3.198386
3191	481863.09	3846877.25	0.3	0.07088	0.06904	0.08086	0.21061	0.09868	0.07199	0.07088	3.07827227	0.031899237	1.751E-06	0.004189	0.097123	0.013652	0.124291	0.11744384	3.231984
3192	482363.09	3846877.25	0.23562	0.06702	0.05364	0.07503	0.21803	0.10826	0.06756	0.06702	2.41767504	0.03016206	1.361E-06	0.003887	0.100545	0.014977	0.116643	0.11104806	2.572842
3193	482863.09	3846877.25	0.255	0.06653	0.06437	0.06773	0.18746	0.11917	0.06706	0.06653	2.61653143	0.029941538	1.633E-06	0.003509	0.086447	0.016487	0.11578	0.11023616	2.758461
3194	483363.09	3846877.25	0.16292	0.07527	0.08455	0.07959	0.23466	0.11483	0.06653	0.07527	1.67170706	0.033874937	2.145E-06	0.004123	0.108214	0.015886	0.114865	0.1247178	1.823954
3195	483863.09	3846877.25	0.138	0.06546	0.08723	0.10007	0.41812	0.09691	0.06598	0.06546	1.41600525	0.029459989	2.213E-06	0.005184	0.192816	0.013407	0.113915	0.10846323	1.662326
3196	484363.09	3846877.25	0.09937	0.0649	0.0792	0.11144	0.45332	0.07182	0.06542	0.0649	1.01962639	0.029207963	2.009E-06	0.005773	0.209049	0.009936	0.112948	0.10753534	1.279007
3197	484863.09	3846877.25	0.0948	0.06432	0.08132	0.10536	0.29119	0.04958	0.06484	0.06432	0.97273404	0.028946937	2.063E-06	0.005458	0.134282	0.006859	0.111947	0.10657432	1.153655
3198	485363.09	3846877.25	0.09155	0.06374	0.07891	0.08526	0.20176	0.04687	0.06425	0.06374	0.93938609	0.028685911	2.002E-06	0.004417	0.093042	0.006484	0.110928	0.1056133	1.077332
3199	485863.09	3846877.25	0.09198	0.06314	0.06836	0.07231	0.12974	0.0536	0.06364	0.06314	0.94379828	0.028415883	1.734E-06	0.003746	0.05983	0.007415	0.109875	0.10461913	1.048463
3200	486363.09	3846877.25	0.10246	0.06256	0.07688	0.06708	0.13	0.06251	0.06305	0.06256	1.05133259	0.028154857	1.95E-06	0.003475	0.05995	0.008648	0.108856	0.10365811	1.15676
3201	486863.09	3846877.25	0.10036	0.06194	0.04893	0.0596	0.18992	0.06895	0.06243	0.06194	1.02978468	0.027875828	1.241E-06	0.003087	0.087582	0.009539	0.107786	0.1026308	1.163025
3202	487363.09	3846877.25	0.10119	0.06135	0.0667	0.05153	0.28906	0.08451	0.06183	0.06135	1.03830124	0.027610301	1.692E-06	0.002669	0.1333	0.011692	0.10675	0.10165321	1.218671
3203	487863.09	3846877.25	0.09619	0.06077	0.05333	0.05158	0.31644	0.08374	0.06125	0.06077	0.9869967	0.027349275	1.353E-06	0.002672	0.145926	0.011585	0.105749	0.10069219	1.179587
3204	488363.09	3846877.25	0.10067	0.0602	0.0471	0.07065	0.43579	0.09458	0.06067	0.0602	1.03296557	0.027092749	1.195E-06	0.00366	0.200965	0.013085	0.104747	0.09974773	1.282768
3205	488863.09	3846877.25	0.10498	0.05965	0.046	0.09132	0.32266	0.08806	0.06011	0.05965	1.07719008	0.026845224	1.167E-06	0.004731	0.148795	0.012183	0.103781	0.09883641	1.274689
3206	489363.09	3846877.25	0.09128	0.05912	0.06068	0.09935	0.19043	0.06958	0.05958	0.05912	0.93661564	0.0266067	1.539E-06	0.005146	0.087817	0.009626	0.102865	0.09795824	1.070721
3207	489863.09	3846877.25	0.06289	0.05861	0.05472	0.08983	0.16409	0.0473	0.05906	0.05861	0.64530848	0.026377176	1.388E-06	0.004653	0.07567	0.006544	0.101968	0.0971132	0.763409
3208	490363.09	3846877.25	0.0678	0.05812	0.05592	0.06472	0.1753	0.05215	0.05856	0.05812	0.69568953	0.026156654	1.419E-06	0.003353	0.08084	0.007215	0.101104	0.0963013	0.818058
3209	490863.09	3846877.25	0.07072	0.05766	0.06179	0.05907	0.25074	0.05465	0.0581	0.05766	0.72565138	0.025949633	1.567E-06	0.00306	0.115629	0.007561	0.10031	0.09553911	0.882623
3210	491363.09	3846877.25	0.07322	0.05723	0.04536	0.05987	0.20492	0.0546	0.05767	0.05723	0.75130365	0.025756113	1.151E-06	0.003101	0.094499	0.007554	0.099568	0.09482662	0.886956
3211	491863.09	3846877.25	0.07265	0.05683	0.05818	0.07159	0.11946	0.0505	0.05726	0.05683	0.74545494	0.025576095	1.476E-06	0.003708	0.055089	0.006986	0.09886	0.09416385	0.841513
3212	492363.09	3846877.25	0.06613	0.05646	0.04169	0.07591	0.14033	0.04362	0.05689	0.05646	0.67855382	0.025409578	1.058E-06	0.003932	0.064713	0.006035	0.098221	0.09355078	0.783315
3213	492863.09	3846877.25	0.05915	0.05613	0.03912	0.07161	0.12953	0.04045	0.05655	0.05613	0.60693268	0.025261063	9.924E-07	0.003709	0.059733	0.005596	0.097634	0.09300399	0.705863
3214	493363.09	3846877.25	0.0626	0.05582	0.05438	0.08777	0.19643	0.04126	0.05623	0.05582	0.64233281	0.025121549	1.38E-06	0.004547	0.090584	0.005708	0.097082	0.09249034	0.772886
3215	493863.09	3846877.25	0.07013	0.05553	0.05268	0.0861	0.2107	0.04032	0.05595	0.05553	0.71959745	0.024991036	1.336E-06	0.00446	0.097164	0.005578	0.096598	0.09200983	0.856381
3216	494363.09	3846877.25	0.07662	0.05528	0.03789	0.07902	0.18367	0.03952	0.05569	0.05528	0.78619074	0.024878524	9.612E-07	0.004093	0.084699	0.005467	0.096149	0.09159559	0.909884
3217	494863.09	3846877.25	0.08179	0.05504	0.03272	0.06647	0.23067	0.03986	0.05545	0.05504	0.83923963	0.024770513	8.3E-07	0.003443	0.106374	0.005514	0.095735	0.09119793	0.983879
3218	495363.09	3846877.25	0.08578	0.05483	0.03517	0.04534	0.24097	0.04626	0.05523	0.05483	0.88018065	0.024676004	8.922E-07	0.002349	0.111123	0.0064	0.095355	0.09084997	1.029235
3219	495863.09	3846877.25	0.08883	0.05464	0.04942	0.04157	0.23217	0.05532	0.05504	0.05464	0.91147642	0.024590495	1.254E-06	0.002153	0.107065	0.007653	0.095027	0.09053515	1.057432
3220	496363.09	3846877.25	0.0908	0.05446	0.04552	0.056	0.18044	0.04178	0.05486	0.05446	0.93169041	0.024509487	1.155E-06	0.002901	0.08321	0.00578	0.094716	0.0902369	1.052571
3221	496863.09	3846877.25	0.09102	0.05431	0.03709	0.06867	0.16252	0.03935	0.05471	0.05431	0.93394781	0.02444198	9.409E-07	0.003557	0.074946	0.005444	0.094457	0.08998836	1.046807
3222	497363.09	3846877.25	0.08866	0.05417	0.03643	0.07549	0.1388	0.05011	0.05456	0.05417	0.90973207	0.024378974	9.242E-07	0.00391	0.064008	0.006932	0.094198	0.08975639	1.013405
3223	497863.09	3846877.25	0.08373	0.05404	0.03698	0.06878	0.14156	0.04105	0.05443	0.05404	0.85914579	0.024320468	9.381E-07	0.003563	0.06528	0.005679	0.093974	0.08954099	0.962423
3224	498363.09	3846877.25	0.07744	0.05391	0.0442	0.06678	0.1482	0.04368	0.0543	0.05391	0.79460468	0.024261962	1.121E-06	0.003459	0.068342	0.006043	0.09375	0.08932558	0.901136
3225	471363.09	3847377.25	0.36307	0.51106	0.55084	0.21813	0.25389	0.21254	0.51567	0.51106	3.72542771	0.230000336	1.397E-05	0.011299	0.117081	0.029404	0.890309	0.84679527	4.156741
3226	471863.09	3847377.25	0.3398	0.62175	0.45442	0.31098	0.52284	0.23703	0.6275	0.62175	3.48665639	0.27981589	1.153E-05	0.016109	0.241108	0.032792	1.083385	1.03020186	4.109676
3227	472363.09	3847377.25	0.30637	0.82234	0.24397	0.34732	0.74178	0.23982	0.83019	0.82234	3.14363425	0.37009055	6.189E-06	0.017992	0.342072	0.033178	1.433331	1.36256726	3.977737
3228	472863.09	3847377.25	0.31226	1.68606	0.09348	0.35616	0.75561	0.22129	1.69719	1.68606	3.204071	0.758803989	2.371E-06	0.01845	0.34845	0.030614	2.930216	2.79369866	4.496908
3229	473363.09	3847377.25	0.35973	0.65409	0.07126	0.19757	0.34782	0.16531	0.65897	0.65409	3.69115628	0.294370367	1.808E-06	0.010234	0.160397	0.02287	1.137718	1.08378726	4.232961
3230	473863.09	3847377.25	0.38574	0.49823	0.17901	0.10022	0.21861	0.18123	0.50208	0.49823	3.95804249	0.22422625	4.541E-06	0.005192	0.100812	0.025072	0.866846	0.82553674	4.354659
3231	474363.09	3847377.25	0.3899	0.52486	0.28892	0.15224	0.30042	0.18636	0.52837	0.52486	4.00072786	0.236210966	7.329E-06	0.007886	0.138539	0.025782	0.912236	0.86966103	4.451728
3232	474863.09	3847377.25	0.36611	0.33728	0.20768	0.19962	0.37893	0.1799	0.34035	0.33728	3.75662087	0.151791401	5.268E-06	0.010341	0.174744	0.024888	0.587618	0.5588524	4.147155
3233	475363.09	3847377.25	0.31813	0.2541	0.16722	0.29345	0.43361	0.16546	0.26971	0.2541	3.26430253	0.114356603	4.242E-06	0.015201	0.199959	0.022891	0.465657	0.42102821	3.661343
3234	475863.09	3847377.25	0.25544	0.25215	0.1087	0.30781	0.5412	0.14203	0.26206	0.25215	2.62104623	0.113479014	2.757E-06	0.015945	0.249575	0.019649	0.452449	0.41779718	3.054349
3235	476363.09	3847377.25	0.39848	0.27647	0.08092	0.24143	0.47454	0.1749	0.27927	0.27647	4.08876645	0.124424124	2.053E-06	0.012506	0.218834	0.024197	0.482162	0.45809394	4.492798
3236	476863.09	3847377.25	0.55157	0.23952	0.06719	0.14549	0.38301	0.20077	0.22043	0.23952	5.65960879	0.107794937	1.704E-06	0.007537	0.176625	0.027776	0.380575	0.39687004	5.963047
3237	477363.09	3847377.25	0.62259	0.24631	0.07719	0.10074	0.25616	0.18262	0.24366	0.24631	6.38833845	0.110850747	1.958E-06	0.005218	0.118128	0.025265	0.420681	0.40812066	6.660363
3238	477863.09	3847377.25	0.50463	0.18909	0.07284	0.19014	0.18281	0.17795	0.2124	0.18909	5.17796179	0.085099134	1.848E-06	0.00985	0.084303	0.024619	0.366711	0.31331061	5.435234
3239	478363.09	3847377.25	0.33558	0.17185	0.0622	0.26958	0.18588	0.17368	0.19495	0.17185	3.44335536	0.077340347	1.578E-06	0.013965	0.085719	0.024028	0.336583	0.28474498	3.696246
3240	478863.09	3847377.25	0.40697	0.16238	0.07748	0.2504	0.74099	0.13152	0.16386	0.16238	4.17588156	0.073078415	1.965E-06	0.012971	0.341708	0.018195	0.282906	0.26905376	4.635688
3241	479363.09	3847377.25	0.35385	0.14297	0.08894	0.13711	0.70927	0.06464	0.14448	0.14297	3.63082215	0.064343028	2.256E-06	0.007102	0.32708	0.008943	0.249446	0.23689258	4.050846
3242	479863.09	3847377.25	0.21192	0.13695	0.09032	0.0559	0.29541	0.07235	0.13857	0.13695	2.17449153	0.061633753	2.291E-06	0.002896	0.136228	0.010009	0.239243	0.2269178	2.397586
3243	480363.09	3847377.25	0.17753	0.0843	0.08976	0.06662	0.11345	0.07624	0.07199	0.0843	1.82161892	0.037938849	2.277E-06	0.003451	0.052318	0.010547	0.124291	0.13967996	1.910487
3244	480863.09	3847377.25	0.15178	0.07581	0.12405	0.07496	0.12047	0.07598	0.07101	0.07581	1.55740055	0.034117962	3.147E-06	0.003883	0.055555	0.010511	0.122599	0.12561255	1.658458
3245	481363.09	3847377.25	0.21577	0.0696	0.11306	0.08006	0.16267	0.07653	0.07012	0.0696	2.21399603	0.031323178	2.868E-06	0.004147	0.075015	0.010588	0.121063	0.11532296	2.340812

3246	481863.09	3847377.25	0.29511	0.08565	0.08357	0.083	0.20306	0.0983	0.08719	0.08565	3.02809643	0.038546411	2.12E-06	0.0043	0.093641	0.013599	0.150534	0.14191683	3.186803
3247	482363.09	3847377.25	0.31295	0.0835	0.10505	0.08553	0.22429	0.10893	0.0846	0.0835	3.21115103	0.037578813	2.665E-06	0.004431	0.103431	0.01507	0.146063	0.13835441	3.379373
3248	482863.09	3847377.25	0.33536	0.06699	0.06582	0.07326	0.22493	0.11931	0.06958	0.06699	3.44109796	0.030148559	1.67E-06	0.003795	0.103727	0.016506	0.120131	0.11099835	3.604408
3249	483363.09	3847377.25	0.25932	0.07724	0.08703	0.07331	0.16893	0.12043	0.06662	0.07724	2.66085855	0.034761527	2.208E-06	0.003798	0.077902	0.016661	0.11502	0.12798197	2.781021
3250	483863.09	3847377.25	0.23398	0.06531	0.08878	0.0946	0.36758	0.10639	0.0658	0.06531	2.40084715	0.029392482	2.252E-06	0.0049	0.16951	0.014719	0.113604	0.10821469	2.62476
3251	484363.09	3847377.25	0.17827	0.06455	0.08056	0.11074	0.48182	0.08205	0.06504	0.06455	1.82921199	0.029050447	2.044E-06	0.005736	0.222191	0.011351	0.112292	0.10695542	2.10288
3252	484863.09	3847377.25	0.11104	0.06381	0.09751	0.11102	0.36554	0.05703	0.0643	0.06381	1.13937118	0.028717414	2.474E-06	0.005751	0.168569	0.00789	0.111015	0.10572928	1.355586
3253	485363.09	3847377.25	0.09206	0.06313	0.09815	0.09355	0.4468	0.04869	0.06361	0.06313	0.94461915	0.028411383	2.49E-06	0.004846	0.206042	0.006736	0.109823	0.10460256	1.195878
3254	485863.09	3847377.25	0.10307	0.06252	0.09118	0.07426	0.18313	0.05412	0.06299	0.06252	1.05759174	0.028136855	2.313E-06	0.003847	0.08445	0.007487	0.108753	0.10359183	1.186676
3255	486363.09	3847377.25	0.10644	0.06196	0.08877	0.07	0.13731	0.06337	0.06243	0.06196	1.092171	0.027884829	2.252E-06	0.003626	0.063321	0.008767	0.107786	0.10266394	1.200894
3256	486863.09	3847377.25	0.11156	0.06143	0.06623	0.06303	0.19021	0.07056	0.06189	0.06143	1.14470685	0.027646305	1.68E-06	0.003265	0.087715	0.009762	0.106854	0.10178577	1.278165
3257	487363.09	3847377.25	0.10748	0.061	0.06842	0.05479	0.29706	0.08629	0.06146	0.061	1.10284235	0.027452785	1.736E-06	0.002838	0.136989	0.011938	0.106111	0.10107328	1.2871
3258	487863.09	3847377.25	0.09775	0.06062	0.06622	0.05142	0.32666	0.0838	0.06107	0.06062	1.00300372	0.027281768	1.68E-06	0.002664	0.150639	0.011593	0.105438	0.10044365	1.200178
3259	488363.09	3847377.25	0.10203	0.06031	0.0467	0.07112	0.45319	0.09657	0.06076	0.06031	1.0469204	0.027142254	1.185E-06	0.003684	0.208989	0.01336	0.104903	0.09992999	1.305069
3260	488863.09	3847377.25	0.10571	0.06006	0.05651	0.09307	0.30026	0.08913	0.06051	0.06006	1.08468054	0.027029742	1.434E-06	0.004821	0.138465	0.012331	0.104471	0.09951576	1.272284
3261	489363.09	3847377.25	0.09034	0.05986	0.06248	0.10157	0.18596	0.06975	0.06031	0.05986	0.92697039	0.026939733	1.585E-06	0.005261	0.085756	0.00965	0.104126	0.09918437	1.05952
3262	489863.09	3847377.25	0.06713	0.05971	0.04926	0.0911	0.17133	0.05006	0.06015	0.05971	0.68881473	0.026872226	1.25E-06	0.004719	0.079009	0.006926	0.10385	0.09893583	0.811256
3263	490363.09	3847377.25	0.0702	0.0596	0.06267	0.07384	0.21134	0.05392	0.06004	0.0596	0.72031571	0.026822721	1.59E-06	0.003825	0.09746	0.00746	0.10366	0.09875357	0.86079
3264	490863.09	3847377.25	0.07266	0.05953	0.05928	0.06206	0.2568	0.05592	0.05997	0.05953	0.74555754	0.026791218	1.504E-06	0.003215	0.118423	0.007736	0.103539	0.09863758	0.906626
3265	491363.09	3847377.25	0.07449	0.05949	0.06116	0.06186	0.17512	0.05479	0.05993	0.05949	0.76433501	0.026773216	1.551E-06	0.003204	0.080757	0.00758	0.10347	0.0985713	0.887549
3266	491863.09	3847377.25	0.07237	0.05947	0.04351	0.07494	0.16403	0.0498	0.05992	0.05947	0.74258188	0.026764216	1.104E-06	0.003882	0.075642	0.00689	0.103452	0.09853817	0.860676
3267	492363.09	3847377.25	0.06358	0.05948	0.04279	0.07693	0.12691	0.04191	0.05992	0.05948	0.6523885	0.026768716	1.085E-06	0.003985	0.058525	0.005798	0.103452	0.09855473	0.752364
3268	492863.09	3847377.25	0.06605	0.05949	0.04384	0.07967	0.17469	0.04171	0.05993	0.05949	0.67773295	0.026773216	1.112E-06	0.004127	0.080558	0.00577	0.10347	0.0985713	0.799861
3269	493363.09	3847377.25	0.07358	0.05951	0.05774	0.08991	0.21908	0.04069	0.05995	0.05951	0.75499758	0.026782217	1.465E-06	0.004657	0.101029	0.005629	0.103504	0.09860444	0.897997
3270	493863.09	3847377.25	0.07989	0.05954	0.04881	0.08465	0.19323	0.04016	0.05997	0.05954	0.81974391	0.026795719	1.238E-06	0.004385	0.089108	0.005556	0.103539	0.09865415	0.950475
3271	494363.09	3847377.25	0.08481	0.05956	0.03206	0.0772	0.22634	0.03995	0.05999	0.05956	0.87022757	0.02680472	8.133E-07	0.003999	0.104377	0.005527	0.103573	0.09868729	1.015822
3272	494863.09	3847377.25	0.0886	0.05958	0.03591	0.06087	0.24992	0.04221	0.06001	0.05958	0.90911641	0.026813721	9.11E-07	0.003153	0.115251	0.00584	0.103608	0.09872043	1.065062
3273	495363.09	3847377.25	0.09146	0.05959	0.04785	0.04466	0.23569	0.04706	0.06002	0.05959	0.93846261	0.026818221	1.214E-06	0.002313	0.108689	0.006511	0.103625	0.098737	1.087683
3274	495863.09	3847377.25	0.0931	0.05959	0.05002	0.05037	0.20157	0.05453	0.06002	0.05959	0.9552905	0.026818221	1.269E-06	0.002609	0.092954	0.007544	0.103625	0.098737	1.090105
3275	496363.09	3847377.25	0.09262	0.05958	0.03636	0.06419	0.1405	0.04059	0.06001	0.05958	0.95036526	0.026813721	9.224E-07	0.003325	0.064792	0.005615	0.103608	0.09872043	1.0558
3276	496863.09	3847377.25	0.08931	0.05956	0.03779	0.07487	0.14203	0.0388	0.05999	0.05956	0.91640166	0.02680472	9.587E-07	0.003878	0.065497	0.005368	0.103573	0.09868729	1.022837
3277	497363.09	3847377.25	0.08357	0.05953	0.04264	0.07488	0.1382	0.04968	0.05996	0.05953	0.85750405	0.026791218	1.082E-06	0.003879	0.063731	0.006873	0.103522	0.09863758	0.963663
3278	497863.09	3847377.25	0.07701	0.0595	0.05621	0.06507	0.15281	0.0522	0.05993	0.0595	0.79019249	0.026777717	1.426E-06	0.003371	0.070468	0.007222	0.10347	0.09858787	0.902914
3279	498363.09	3847377.25	0.07471	0.05943	0.06663	0.07368	0.15434	0.05489	0.05986	0.05943	0.7665924	0.026746214	1.69E-06	0.003817	0.071174	0.007594	0.103349	0.09847189	0.880802
3280	471363.09	3847877.25	0.36476	0.40709	0.42523	0.2237	0.52775	0.20822	0.41027	0.40709	3.74276865	0.183209089	1.079E-05	0.011588	0.243372	0.028806	0.708335	0.67452332	4.243567
3281	471863.09	3847877.25	0.38323	0.41307	0.59046	0.21668	0.34554	0.21751	0.41543	0.41307	3.93228761	0.185900362	1.498E-05	0.011224	0.159346	0.030091	0.717244	0.68443181	4.351677
3282	472363.09	3847877.25	0.37325	0.49861	0.58188	0.28248	0.38939	0.24021	0.50093	0.49861	3.82988375	0.224397268	1.476E-05	0.014633	0.179567	0.033232	0.864861	0.82616638	4.320422
3283	472863.09	3847877.25	0.33712	0.65527	0.38844	0.34969	0.66995	0.25324	0.66022	0.65527	3.45915716	0.294901421	9.854E-06	0.018114	0.308948	0.035035	1.139877	1.08574245	4.170299
3284	473363.09	3847877.25	0.31728	0.9924	0.16824	0.3612	0.80861	0.244	0.99969	0.9924	3.25558076	0.446625315	4.268E-06	0.018711	0.372891	0.033756	1.725975	1.64434631	4.209197
3285	473863.09	3847877.25	0.36613	6.14175	0.0723	0.33922	0.68181	0.20304	6.35842	6.14175	3.75682609	2.764067945	1.834E-06	0.017572	0.314417	0.02809	10.97788	10.1765054	7.682346
3286	474363.09	3847877.25	0.39175	0.68975	0.1747	0.13113	0.23875	0.1827	0.69606	0.68975	4.01971054	0.310418995	4.432E-06	0.006793	0.1101	0.025276	1.201755	1.14287371	4.531183
3287	474863.09	3847877.25	0.4028	0.53795	0.33609	0.14165	0.28434	0.19072	0.54349	0.53795	4.13309357	0.242102064	8.526E-06	0.007338	0.131123	0.026385	0.938341	0.89135036	4.587041
3288	475363.09	3847877.25	0.38402	0.40316	0.22245	0.19678	0.37093	0.18691	0.40675	0.40316	3.94039373	0.181440409	5.643E-06	0.010193	0.171055	0.025858	0.702258	0.66801155	4.363192
3289	475863.09	3847877.25	0.33854	0.32442	0.18724	0.26614	0.43867	0.17133	0.32719	0.32442	3.47372765	0.146003814	4.75E-06	0.013786	0.202293	0.023703	0.564897	0.53754417	3.886871
3290	476363.09	3847877.25	0.27602	0.35898	0.13007	0.38231	0.5617	0.18199	0.36303	0.35898	2.83221571	0.161557392	3.3E-06	0.019804	0.259028	0.025177	0.626775	0.59480798	3.329753
3291	476863.09	3847877.25	0.44668	0.3126	0.08769	0.256	0.55675	0.21462	0.31516	0.3126	4.5833422	0.140684274	2.225E-06	0.013261	0.256745	0.029692	0.544127	0.51795915	5.049895
3292	477363.09	3847877.25	0.59657	0.29211	0.06677	0.17133	0.41001	0.22671	0.27756	0.29211	6.12134963	0.131462838	1.694E-06	0.008875	0.189076	0.031364	0.47921	0.48400847	6.477331
3293	477863.09	3847877.25	0.65385	0.29062	0.08707	0.13297	0.27542	0.20431	0.30604	0.29062	6.70909442	0.13079227	2.209E-06	0.006888	0.12701	0.028265	0.528381	0.48153963	7.048894
3294	478363.09	3847877.25	0.50407	0.21658	0.07059	0.21319	0.19481	0.19459	0.22055	0.21658	5.17221568	0.097470889	1.791E-06	0.011044	0.089837	0.026921	0.380782	0.35885986	5.419411
3295	478863.09	3847877.25	0.3552	0.21073	0.07107	0.30011	0.25221	0.18451	0.21291	0.21073	3.64467437	0.094838122	1.803E-06	0.015546	0.116307	0.025526	0.367591	0.34916677	3.915318
3296	479363.09	3847877.25	0.32851	0.13773	0.08732	0.17708	0.59952	0.09431	0.13909	0.13773	3.37081075	0.061984789	2.215E-06	0.009173	0.276469	0.013047	0.24014	0.22821022	3.743417
3297	479863.09	3847877.25	0.15882	0.10051	0.09483	0.05871	0.29873	0.07058	0.09341	0.10051	1.62963734	0.045234089	2.406E-06	0.003041	0.137759	0.009764	0.161273	0.16653894	1.820173
3298	480363.09	3847877.25	0.19807	0.09534	0.0899	0.06251	0.14807	0.07666	0.1	0.09534	2.03237796	0.042907353	2.281E-06	0.003238	0.068283	0.010606	0.172651	0.15797257	2.172092
3299	480863.09	3847877.25	0.22525	0.08687	0.12267	0.07265	0.11045	0.07846	0.07307	0.08687	2.31126943	0.039095467	3.112E-06	0.003763	0.050934	0.010855	0.126156	0.1439383	2.398138
3300	481363.09	3847877.25	0.2239	0.0696	0.12051	0.07949	0.14104	0.07687	0.07321	0.0696	2.29741721	0.031323178	3.057E-06	0.004118	0.065041	0.010635	0.126398	0.11532296	2.419611
3301	481863.09	3847877.25	0.29406	0.0935	0.09847	0.09784	0.18758	0.10402	0.09575	0.0935	3.01732248	0.042079269	2.498E-06	0.005068	0.086503	0.014391	0.165313	0.1549238	3.175755
3302	482363.09	3847877.25	0.30492	0.08917	0.09914	0.09632	0.24314	0.11294	0.09061	0.08917	3.12875594	0.040130572	2.515E-06	0.00499	0.112124	0.015625	0.156439	0.14774926	3.310317

3303	482863.09	3847877.25	0.33029	0.07656	0.06736	0.08581	0.24781	0.11931	0.08073	0.07656	3.38907516	0.034455496	1.709E-06	0.004445	0.114278	0.016506	0.139381	0.12685525	3.571287
3304	483363.09	3847877.25	0.34271	0.07867	0.08972	0.07071	0.20106	0.12433	0.07054	0.07867	3.51651564	0.035405092	2.276E-06	0.003663	0.092719	0.0172	0.121788	0.1303514	3.656942
3305	483863.09	3847877.25	0.31995	0.06341	0.09018	0.08835	0.29692	0.11496	0.06388	0.06341	3.28297738	0.028537395	2.288E-06	0.004577	0.136925	0.015904	0.110289	0.10506651	3.474146
3306	484363.09	3847877.25	0.25719	0.06346	0.08192	0.10866	0.4804	0.0928	0.06393	0.06346	2.63900282	0.028559898	2.078E-06	0.005629	0.221537	0.012838	0.110376	0.10514935	2.912795
3307	484863.09	3847877.25	0.17124	0.06359	0.09949	0.11475	0.43894	0.06591	0.06407	0.06359	1.75707781	0.028618404	2.524E-06	0.005944	0.202417	0.009118	0.110618	0.10536475	2.008431
3308	485363.09	3847877.25	0.1524	0.06383	0.11251	0.10226	0.45521	0.05104	0.06432	0.06383	1.56376231	0.028726415	2.854E-06	0.005297	0.20992	0.007061	0.111049	0.10576242	1.820057
3309	485863.09	3847877.25	0.17343	0.06415	0.07821	0.07971	0.26646	0.05462	0.06465	0.06415	1.7795492	0.028870429	1.984E-06	0.004129	0.122878	0.007556	0.111619	0.10629264	1.948311
3310	486363.09	3847877.25	0.11245	0.0645	0.09268	0.07268	0.14418	0.06418	0.06499	0.0645	1.15383906	0.029027945	2.351E-06	0.003765	0.066489	0.008879	0.112206	0.10687257	1.267335
3311	486863.09	3847877.25	0.11295	0.06488	0.09238	0.06642	0.18984	0.07378	0.06538	0.06488	1.15896951	0.029198963	2.343E-06	0.003441	0.087545	0.010207	0.112879	0.10750221	1.29474
3312	487363.09	3847877.25	0.10623	0.06529	0.08725	0.05824	0.3049	0.0876	0.0658	0.06529	1.09001621	0.029383481	2.213E-06	0.003017	0.140605	0.012119	0.113604	0.10818155	1.280565
3313	487863.09	3847877.25	0.09921	0.0657	0.07861	0.05121	0.33766	0.08413	0.0662	0.0657	1.01798464	0.029568	1.994E-06	0.002653	0.155712	0.011639	0.114295	0.1088609	1.222992
3314	488363.09	3847877.25	0.10346	0.0661	0.06203	0.07155	0.46956	0.09792	0.06661	0.0661	1.0615935	0.029748018	1.574E-06	0.003706	0.216538	0.013547	0.115003	0.10952367	1.330613
3315	488863.09	3847877.25	0.11923	0.06648	0.0701	0.09489	0.27514	0.09021	0.06699	0.06648	1.22340801	0.029919036	1.778E-06	0.004915	0.126881	0.01248	0.115659	0.11015331	1.403111
3316	489363.09	3847877.25	0.10018	0.06682	0.0524	0.10393	0.17987	0.07072	0.06734	0.06682	1.02793772	0.030072051	1.329E-06	0.005384	0.082947	0.009784	0.116263	0.11071667	1.161672
3317	489863.09	3847877.25	0.14042	0.06714	0.05905	0.09247	0.34199	0.05247	0.06765	0.06714	1.44083664	0.030216066	1.498E-06	0.00479	0.157709	0.007259	0.116798	0.11124689	1.646364
3318	490363.09	3847877.25	0.08332	0.0674	0.06731	0.07423	0.35003	0.05553	0.06791	0.0674	0.85493882	0.030333078	1.708E-06	0.003845	0.161416	0.007682	0.117247	0.11167769	1.063787
3319	490863.09	3847877.25	0.07436	0.06761	0.06191	0.06636	0.35132	0.05689	0.06812	0.06761	0.76300109	0.030427587	1.571E-06	0.003438	0.162011	0.00787	0.11761	0.11202565	0.972334
3320	491363.09	3847877.25	0.07536	0.06777	0.05121	0.06421	0.17897	0.05446	0.06828	0.06777	0.77326199	0.030499595	1.299E-06	0.003326	0.082532	0.007534	0.117886	0.11229076	0.902751
3321	491863.09	3847877.25	0.07124	0.0679	0.03885	0.07815	0.15628	0.04834	0.0684	0.0679	0.73098706	0.0305581	9.855E-07	0.004048	0.072069	0.006688	0.118093	0.11250616	0.849938
3322	492363.09	3847877.25	0.06946	0.06798	0.04279	0.07721	0.16445	0.04283	0.06848	0.06798	0.71272264	0.030594104	1.085E-06	0.004	0.075836	0.005925	0.118231	0.11263872	0.834672
3323	492863.09	3847877.25	0.07698	0.06801	0.05055	0.08646	0.21357	0.04113	0.06851	0.06801	0.78988467	0.030607605	1.282E-06	0.004479	0.098488	0.00569	0.118283	0.11268842	0.934745
3324	493363.09	3847877.25	0.08308	0.06799	0.05902	0.0902	0.21837	0.04093	0.06849	0.06799	0.8524762	0.030598605	1.497E-06	0.004672	0.100701	0.005662	0.118249	0.11265529	0.999706
3325	493863.09	3847877.25	0.0878	0.06794	0.04309	0.08303	0.21736	0.04084	0.06844	0.06794	0.90090769	0.030576102	1.093E-06	0.004301	0.100236	0.00565	0.118162	0.11257244	1.047262
3326	494363.09	3847877.25	0.09147	0.06786	0.03635	0.07479	0.25582	0.04226	0.06835	0.06786	0.93856522	0.030540099	9.221E-07	0.003874	0.117971	0.005846	0.118007	0.11243988	1.102365
3327	494863.09	3847877.25	0.09418	0.06773	0.04448	0.05398	0.24615	0.04391	0.06822	0.06773	0.96637228	0.030481593	1.128E-06	0.002796	0.113512	0.006075	0.117783	0.11222448	1.124796
3328	495363.09	3847877.25	0.09541	0.06758	0.05387	0.04428	0.22164	0.04806	0.06806	0.06758	0.97899319	0.030414086	1.367E-06	0.002294	0.102209	0.006649	0.117506	0.11197594	1.126091
3329	495863.09	3847877.25	0.09407	0.06739	0.03461	0.05899	0.14282	0.05343	0.06787	0.06739	0.96524358	0.030328577	8.78E-07	0.003056	0.065861	0.007392	0.117178	0.11166112	1.077399
3330	496363.09	3847877.25	0.08982	0.06718	0.04032	0.07177	0.14693	0.04846	0.06765	0.06718	0.92163472	0.030234068	1.023E-06	0.003718	0.067757	0.006704	0.116798	0.11131317	1.035534
3331	496863.09	3847877.25	0.08337	0.06694	0.05498	0.0782	0.14259	0.05395	0.06741	0.06694	0.85545186	0.030126057	1.395E-06	0.004051	0.065755	0.007464	0.116384	0.1109155	0.968318
3332	497363.09	3847877.25	0.07672	0.06669	0.06891	0.06864	0.15773	0.05603	0.06715	0.06669	0.78721683	0.030013545	1.748E-06	0.003556	0.072737	0.007751	0.115935	0.11050127	0.90671
3333	497863.09	3847877.25	0.07552	0.06643	0.08809	0.07348	0.1639	0.05616	0.06689	0.06643	0.77490374	0.029896533	2.235E-06	0.003806	0.075583	0.007769	0.115486	0.11007046	0.897377
3334	498363.09	3847877.25	0.08678	0.06613	0.09648	0.07693	0.1917	0.05538	0.06659	0.06613	0.89044156	0.02976152	2.447E-06	0.003985	0.088403	0.007662	0.114968	0.10957338	1.02565
3335	471363.09	3848377.25	0.30622	0.36938	0.33979	0.20424	0.55908	0.18781	0.37115	0.36938	3.14209512	0.166237867	8.62E-06	0.01058	0.25782	0.025983	0.640794	0.61204015	3.631478
3336	471863.09	3848377.25	0.36131	0.46146	0.3374	0.21802	0.62928	0.21647	0.46413	0.46146	3.70736852	0.207678071	8.559E-06	0.011294	0.290193	0.029948	0.801325	0.76461109	4.283203
3337	472363.09	3848377.25	0.39644	0.57267	0.54768	0.23672	0.52207	0.21992	0.57632	0.57267	4.0678342	0.257727649	1.389E-05	0.012262	0.240753	0.030425	0.995022	0.94887929	4.655159
3338	472863.09	3848377.25	0.40305	0.64138	0.66284	0.2337	0.31924	0.23767	0.646	0.64138	4.1356588	0.288650287	1.681E-05	0.012106	0.147218	0.03288	1.115326	1.06272757	4.669128
3339	473363.09	3848377.25	0.37839	0.63258	0.54379	0.33646	0.54315	0.26102	0.63718	0.63258	3.88262482	0.284689885	1.379E-05	0.017429	0.250474	0.036111	1.100098	1.0481465	4.523293
3340	473863.09	3848377.25	0.33023	1.02515	0.28914	0.37737	0.80243	0.26509	1.03152	1.02515	3.38845951	0.461364311	7.335E-06	0.019548	0.370041	0.036674	1.78093	1.69861107	4.358413
3341	474363.09	3848377.25	0.44149	1.54348	0.09619	0.39069	0.8562	0.25224	1.68009	1.54348	4.53008809	0.694636479	2.44E-06	0.020238	0.394837	0.034896	2.900692	2.55745229	6.017939
3342	474863.09	3848377.25	0.39624	1.16555	0.16676	0.26809	0.47837	0.18354	1.18237	1.16555	4.06578202	0.524550721	4.23E-06	0.013887	0.2206	0.025392	2.041374	1.93124531	4.960345
3343	475363.09	3848377.25	0.41652	0.86373	0.40472	0.12912	0.26577	0.19452	0.86434	0.86373	4.27387322	0.38871794	1.027E-05	0.006689	0.12256	0.026911	1.492292	1.43114797	4.879905
3344	475863.09	3848377.25	0.40263	0.49999	0.28749	0.19075	0.35918	0.1935	0.50508	0.49999	4.13134922	0.225018331	7.293E-06	0.009881	0.165636	0.02677	0.872026	0.82845296	4.602235
3345	476363.09	3848377.25	0.36008	0.3512	0.2133	0.23439	0.44066	0.18041	0.35554	0.3512	3.6947476	0.158056037	5.411E-06	0.012142	0.203211	0.024959	0.613843	0.58191699	4.125047
3346	476863.09	3848377.25	0.31769	0.38128	0.15099	0.43626	0.54891	0.21527	0.41036	0.38128	3.25978773	0.17159341	3.83E-06	0.022599	0.25313	0.029782	0.708491	0.63175772	3.813628
3347	477363.09	3848377.25	0.49974	0.34272	0.09456	0.26907	0.63411	0.2507	0.34601	0.34272	5.12778595	0.154239649	2.399E-06	0.013938	0.29242	0.034683	0.59739	0.56786615	5.652593
3348	477863.09	3848377.25	0.64182	0.3276	0.06792	0.1974	0.43422	0.23851	0.31196	0.3276	6.5856557	0.147434959	1.723E-06	0.010226	0.200241	0.032997	0.538602	0.54281323	6.972344
3349	478363.09	3848377.25	0.68447	0.32164	0.09494	0.16605	0.31433	0.21943	0.35793	0.32164	7.02328341	0.144752687	2.408E-06	0.008602	0.144953	0.030357	0.61797	0.53293788	7.436982
3350	478863.09	3848377.25	0.49295	0.21343	0.06836	0.22961	0.20759	0.19618	0.21533	0.21343	5.05811439	0.096053246	1.734E-06	0.011894	0.09573	0.027141	0.371769	0.3536405	5.307063
3351	479363.09	3848377.25	0.33031	0.1416	0.08229	0.24293	0.20615	0.13573	0.15237	0.1416	3.38928038	0.063726466	2.088E-06	0.012584	0.095066	0.018778	0.263068	0.23462257	3.607883
3352	479863.09	3848377.25	0.1549	0.09723	0.09685	0.05897	0.11737	0.06755	0.08273	0.09723	1.58941458	0.04375794	2.457E-06	0.003055	0.054125	0.009345	0.142834	0.16110418	1.68143
3353	480363.09	3848377.25	0.16593	0.0977	0.09739	0.05987	0.28233	0.0761	0.10473	0.0977	1.70259239	0.043969461	2.471E-06	0.003101	0.130197	0.010528	0.180817	0.16188295	1.909325
3354	480863.09	3848377.25	0.30389	0.12729	0.11335	0.06945	0.18205	0.07989	0.12826	0.12729	3.1181872	0.057286312	2.875E-06	0.003598	0.083952	0.011052	0.221442	0.21091177	3.284609
3355	481363.09	3848377.25	0.31611	0.12777	0.12733	0.07795	0.11937	0.09029	0.12876	0.12777	3.24357549	0.057502334	3.23E-06	0.004038	0.055048	0.012491	0.222305	0.2117071	3.383256
3356	481863.09	3848377.25	0.29652	0.13082	0.11054	0.10095	0.16591	0.10279	0.13185	0.13082	3.04256431	0.058874974	2.804E-06	0.005229	0.076509	0.01422	0.22764	0.21676077	3.208281
3357	482363.09	3848377.25	0.32552	0.12963	0.08064	0.10774	0.30411	0.11939	0.13065	0.12963	3.34013063	0.058339419	2.046E-06	0.005581	0.14024	0.016517	0.225569	0.21478901	3.57159
3358	482863.09	3848377.25	0.32305	0.08185	0.08968	0.10226	0.24177	0.13247	0.08321	0.08185	3.31478619	0.036836237	2.275E-06	0.005297	0.111492	0.018327	0.143663	0.13562046	3.494783
3359	483363.09	3848377.25	0.3449	0.08	0.09281	0.10725	0.2606	0.12802	0.08008	0.08	3.53898702	0.036003653	2.354E-06	0.005556	0.120176	0.017711	0.138259	0.13255512	3.724139

3360	483863.09	3848377.25	0.336	0.07792	0.09131	0.0978	0.21693	0.12232	0.07854	0.07792	3.44766495	0.035067558	2.316E-06	0.005066	0.100037	0.016922	0.1356	0.12910869	3.611252
3361	484363.09	3848377.25	0.2854	0.07896	0.08327	0.10873	0.44423	0.10363	0.0796	0.07896	2.92846302	0.035535605	2.112E-06	0.005632	0.204857	0.014337	0.13743	0.13083191	3.195425
3362	484863.09	3848377.25	0.20258	0.08003	0.10396	0.11751	0.49956	0.07631	0.08068	0.08003	2.07865466	0.036017154	2.637E-06	0.006087	0.230372	0.010557	0.139295	0.13260483	2.368381
3363	485363.09	3848377.25	0.205	0.08056	0.11635	0.11047	0.42293	0.0644	0.08122	0.08056	2.10348605	0.036255679	2.952E-06	0.005723	0.195034	0.008909	0.140227	0.13348301	2.356155
3364	485863.09	3848377.25	0.22174	0.08096	0.08838	0.08815	0.35867	0.05528	0.08162	0.08096	2.27525365	0.036435697	2.242E-06	0.004566	0.165401	0.007648	0.140918	0.13414579	2.496078
3365	486363.09	3848377.25	0.16888	0.08118	0.09246	0.08927	0.25758	0.06507	0.08183	0.08118	1.73286207	0.036534707	2.346E-06	0.004624	0.118783	0.009002	0.14128	0.13451031	1.908579
3366	486863.09	3848377.25	0.14103	0.08131	0.1049	0.06969	0.18884	0.07693	0.08195	0.08131	1.4470958	0.036593213	2.661E-06	0.00361	0.087084	0.010643	0.141488	0.13472571	1.59179
3367	487363.09	3848377.25	0.10476	0.0813	0.0746	0.06186	0.31319	0.0886	0.08194	0.0813	1.07493268	0.036588712	1.892E-06	0.003204	0.144428	0.012257	0.14147	0.13470914	1.278174
3368	487863.09	3848377.25	0.10059	0.08121	0.07885	0.05326	0.3495	0.08505	0.08184	0.08121	1.03214469	0.036548208	2E-06	0.002759	0.161172	0.011766	0.141298	0.13456002	1.25113
3369	488363.09	3848377.25	0.1158	0.08102	0.07463	0.07193	0.48439	0.09932	0.08165	0.08102	1.1882131	0.0364627	1.893E-06	0.003726	0.223377	0.01374	0.14097	0.1342452	1.472245
3370	488863.09	3848377.25	0.13028	0.08076	0.05393	0.0968	0.24851	0.09117	0.08138	0.08076	1.33679104	0.036345688	1.368E-06	0.005014	0.1146	0.012613	0.140503	0.1338144	1.512055
3371	489363.09	3848377.25	0.14003	0.08043	0.05086	0.10643	0.3125	0.07277	0.08104	0.08043	1.43683489	0.036197173	1.29E-06	0.005513	0.144109	0.010067	0.139916	0.13326761	1.639372
3372	489863.09	3848377.25	0.14366	0.08005	0.06143	0.10906	0.33103	0.05445	0.08066	0.08005	1.47408198	0.036026155	1.558E-06	0.005649	0.152655	0.007533	0.13926	0.13263797	1.682569
3373	490363.09	3848377.25	0.14048	0.07961	0.06861	0.08123	0.38555	0.05697	0.08021	0.07961	1.4414523	0.035828135	1.74E-06	0.004208	0.177797	0.007882	0.138483	0.13190892	1.673743
3374	490863.09	3848377.25	0.13246	0.07912	0.05988	0.07148	0.31605	0.05747	0.0797	0.07912	1.35915982	0.035607613	1.519E-06	0.003703	0.145747	0.007951	0.137603	0.13109702	1.558675
3375	491363.09	3848377.25	0.08002	0.0786	0.04293	0.06625	0.26165	0.05378	0.07918	0.0786	0.82107782	0.035373589	1.089E-06	0.003432	0.12066	0.00744	0.136705	0.13023541	0.994454
3376	491863.09	3848377.25	0.08425	0.07807	0.04231	0.08086	0.19916	0.04791	0.07863	0.07807	0.86448146	0.035135065	1.073E-06	0.004189	0.091843	0.006628	0.135755	0.12935723	1.008675
3377	492363.09	3848377.25	0.08028	0.0775	0.04473	0.07665	0.19859	0.0455	0.07805	0.0775	0.82374566	0.034878539	1.135E-06	0.003971	0.09158	0.006295	0.134754	0.12841278	0.966812
3378	492863.09	3848377.25	0.08617	0.07692	0.05702	0.09125	0.23333	0.04184	0.07746	0.07692	0.88418241	0.034617512	1.446E-06	0.004727	0.1076	0.005788	0.133735	0.12745175	1.043201
3379	493363.09	3848377.25	0.09079	0.07634	0.05763	0.08908	0.20322	0.04182	0.07687	0.07634	0.9315878	0.034356486	1.462E-06	0.004614	0.093715	0.005786	0.132717	0.12649073	1.076287
3380	493863.09	3848377.25	0.0944	0.07574	0.03643	0.08164	0.25778	0.04223	0.07626	0.07574	0.96862968	0.034086458	9.242E-07	0.004229	0.118875	0.005842	0.131664	0.12549656	1.137831
3381	494363.09	3848377.25	0.09697	0.07514	0.0393	0.07109	0.26198	0.0445	0.07565	0.07514	0.99500021	0.033816431	9.97E-07	0.003683	0.120812	0.006156	0.13061	0.1245024	1.165577
3382	494863.09	3848377.25	0.09776	0.07453	0.05661	0.04665	0.23922	0.04475	0.07504	0.07453	1.00310632	0.033541903	1.436E-06	0.002417	0.110316	0.006191	0.129557	0.12349167	1.161639
3383	495363.09	3848377.25	0.09553	0.07393	0.04064	0.05345	0.15073	0.05092	0.07442	0.07393	0.9802245	0.033271876	1.031E-06	0.002769	0.069509	0.007045	0.128487	0.1224975	1.098809
3384	495863.09	3848377.25	0.0902	0.07332	0.05393	0.06715	0.1528	0.05564	0.0738	0.07332	0.92553386	0.032997348	1.368E-06	0.003478	0.070464	0.007698	0.127416	0.12148677	1.046102
3385	496363.09	3848377.25	0.08324	0.07271	0.07044	0.0781	0.14728	0.05711	0.07319	0.07271	0.85411795	0.03272282	1.787E-06	0.004046	0.067918	0.007901	0.126363	0.12047604	0.972595
3386	496863.09	3848377.25	0.07681	0.0721	0.08821	0.0763	0.16304	0.05681	0.07257	0.0721	0.78814031	0.032448292	2.238E-06	0.003952	0.075186	0.007859	0.125293	0.11946531	0.913416
3387	497363.09	3848377.25	0.08853	0.0715	0.09655	0.07217	0.15012	0.05581	0.07197	0.0715	0.90839815	0.032178265	2.449E-06	0.003739	0.069228	0.007721	0.124257	0.11847114	1.027052
3388	497863.09	3848377.25	0.09973	0.07094	0.09559	0.07887	0.19865	0.05487	0.0714	0.07094	1.02332031	0.031926239	2.425E-06	0.004086	0.091608	0.007591	0.123273	0.11754326	1.164263
3389	498363.09	3848377.25	0.10947	0.07034	0.08436	0.08269	0.1907	0.05398	0.0708	0.07034	1.12326155	0.031656212	2.14E-06	0.004283	0.087941	0.007468	0.122237	0.11654909	1.2603
3390	471363.09	3848877.25	0.2897	0.47057	0.4082	0.19628	0.21508	0.19722	0.47406	0.47057	2.97258492	0.211777987	1.036E-05	0.010168	0.099184	0.027284	0.818469	0.77970581	3.359773
3391	471863.09	3848877.25	0.28323	0.5082	0.4212	0.21212	0.42785	0.20515	0.51214	0.5082	2.90619685	0.228713205	1.068E-05	0.010988	0.197303	0.028381	0.884215	0.84205643	3.413752
3392	472363.09	3848877.25	0.34957	0.56897	0.34959	0.21524	0.61532	0.21012	0.57327	0.56897	3.58690546	0.25606248	8.868E-06	0.01115	0.283755	0.029069	0.989756	0.94274861	4.213959
3393	472863.09	3848877.25	0.40078	0.64943	0.46776	0.23182	0.65481	0.23589	0.65472	0.64943	4.11236654	0.292273154	1.187E-05	0.012009	0.301966	0.032634	1.130381	1.07606593	4.805575
3394	473363.09	3848877.25	0.42521	0.75083	0.69014	0.24598	0.5065	0.24168	0.75707	0.75083	4.36304051	0.337907784	1.751E-05	0.012742	0.233573	0.033435	1.307089	1.24407955	5.043725
3395	473863.09	3848877.25	0.4183	0.88917	0.69833	0.30316	0.39581	0.265	0.89695	0.88917	4.29213764	0.400167101	1.772E-05	0.015704	0.182528	0.036661	1.548593	1.4733005	5.002509
3396	474363.09	3848877.25	0.37665	1.032	0.47335	0.37567	0.70077	0.27724	1.03823	1.032	3.86477084	0.464447123	1.201E-05	0.01946	0.32316	0.038355	1.792515	1.7099611	4.792759
3397	474863.09	3848877.25	0.38597	2.01947	0.13732	0.42086	0.95564	0.28322	2.03815	2.01947	3.9604025	0.908853713	3.484E-06	0.021801	0.440694	0.039182	3.518887	3.34613871	5.543685
3398	475363.09	3848877.25	0.40436	1.68503	0.16236	0.40729	0.78254	0.23955	1.69791	1.68503	4.14910059	0.758340442	4.119E-06	0.021098	0.360869	0.033141	2.931459	2.79199201	5.462019
3399	475863.09	3848877.25	0.43077	1.71725	0.43886	0.20093	0.38027	0.19775	1.73826	1.71725	4.42009116	0.772840913	1.113E-05	0.010408	0.175362	0.027358	3.001124	2.84537859	5.561816
3400	476363.09	3848877.25	0.42278	0.65492	0.3895	0.18125	0.34423	0.19952	0.65433	0.65492	4.3381065	0.294743905	9.881E-06	0.009389	0.158742	0.027603	1.129707	1.08516252	4.873139
3401	476863.09	3848877.25	0.38427	0.5261	0.26605	0.23785	0.43929	0.18933	0.53062	0.5261	3.94295895	0.236769023	6.749E-06	0.012321	0.202579	0.026193	0.916121	0.87171563	4.465232
3402	477363.09	3848877.25	0.37066	0.55357	0.17683	0.46059	0.51546	0.2373	0.55796	0.55357	3.803308	0.249131777	4.486E-06	0.023859	0.237705	0.032829	0.963324	0.91723175	4.392929
3403	477863.09	3848877.25	0.56341	0.55113	0.105	0.27841	0.70326	0.30993	0.55563	0.55113	5.78109794	0.248033666	2.664E-06	0.014422	0.324309	0.042877	0.959301	0.91318882	6.456854
3404	478363.09	3848877.25	0.67023	0.48317	0.08508	0.22813	0.45437	0.26397	0.48748	0.48317	6.87716808	0.217448563	2.158E-06	0.011817	0.209533	0.036519	0.841639	0.80058324	7.393544
3405	478863.09	3848877.25	0.7146	0.35867	0.09947	0.20077	0.3588	0.23298	0.39774	0.35867	7.33244455	0.161417878	2.523E-06	0.0104	0.165461	0.032232	0.686702	0.59429433	7.794365
3406	479363.09	3848877.25	0.47776	0.26224	0.07426	0.24669	0.22191	0.19641	0.26571	0.26224	4.9022512	0.118019974	1.884E-06	0.012779	0.102334	0.027172	0.458751	0.4345157	5.186793
3407	479863.09	3848877.25	0.40645	0.23073	0.09418	0.25914	0.27479	0.13919	0.23325	0.23073	4.17054588	0.103839036	2.389E-06	0.013424	0.12672	0.019256	0.402708	0.38230555	4.45419
3408	480363.09	3848877.25	0.41467	0.22234	0.10296	0.20007	0.88051	0.09893	0.22484	0.22234	4.25489054	0.100063153	2.612E-06	0.010364	0.406048	0.013686	0.388189	0.36840383	4.804839
3409	480863.09	3848877.25	0.46188	0.21834	0.17732	0.13318	0.85467	0.10221	0.22094	0.21834	4.73930799	0.09826297	4.498E-06	0.006899	0.394131	0.01414	0.381455	0.36177607	5.272425
3410	481363.09	3848877.25	0.48378	0.21388	0.25626	0.13202	0.19637	0.11256	0.21604	0.21388	4.96402187	0.096255766	6.501E-06	0.006839	0.090556	0.015572	0.372995	0.35438612	5.19186
3411	481863.09	3848877.25	0.34533	0.18364	0.14247	0.10663	0.14103	0.10578	0.18527	0.18364	3.54339921	0.082646385	3.614E-06	0.005524	0.065036	0.014634	0.319871	0.30428029	3.726833
3412	482363.09	3848877.25	0.29102	0.10805	0.09114	0.10564	0.19351	0.11117	0.10889	0.10805	2.98612932	0.048627434	2.312E-06	0.005472	0.089237	0.01538	0.188	0.17903226	3.153816
3413	482863.09	3848877.25	0.3112	0.10434	0.11051	0.09414	0.2393	0.11381	0.10514	0.10434	3.19319444	0.046957764	2.803E-06	0.004877	0.110353	0.015745	0.181525	0.17288502	3.37977
3414	483363.09	3848877.25	0.33911	0.10247	0.09891	0.08243	0.26317	0.12612	0.10324	0.10247	3.47957637	0.046116179	2.509E-06	0.00427	0.121361	0.017448	0.178245	0.16978654	3.677232
3415	483863.09	3848877.25	0.26753	0.10072	0.0919	0.0748	0.21661	0.12785	0.10148	0.10072	2.7451006	0.045328599	2.331E-06	0.003875	0.09989	0.017687	0.175206	0.1668869	2.920203
3416	484363.09	3848877.25	0.31046	0.09922	0.1023	0.11234	0.37531	0.11371	0.09997	0.09922	3.18560137	0.044653531	2.595E-06	0.005819	0.173074	0.015731	0.172599	0.16440149	3.43308

3417	484863.09	3848877.25	0.26194	0.10227	0.14019	0.13006	0.85609	0.08959	0.10306	0.10227	2.68774213	0.04602617	3.556E-06	0.006737	0.394786	0.012394	0.177934	0.16945516	3.156169
3418	485363.09	3848877.25	0.27039	0.09652	0.14028	0.1178	0.57685	0.08208	0.09726	0.09652	2.7744468	0.043438407	3.559E-06	0.006102	0.266015	0.011355	0.16792	0.15992776	3.109354
3419	485863.09	3848877.25	0.27849	0.09486	0.08931	0.09766	0.44345	0.06911	0.09558	0.09486	2.85756015	0.042691332	2.266E-06	0.005059	0.204497	0.009561	0.16502	0.15717724	3.127213
3420	486363.09	3848877.25	0.20594	0.09305	0.10221	0.09951	0.32121	0.06594	0.09375	0.09305	2.11313131	0.041876749	2.593E-06	0.005155	0.148126	0.009122	0.16186	0.15417818	2.325096
3421	486863.09	3848877.25	0.14456	0.09157	0.12573	0.07275	0.18705	0.07993	0.09224	0.09157	1.4833168	0.041210681	3.189E-06	0.003769	0.086258	0.011058	0.159253	0.15172591	1.633143
3422	487363.09	3848877.25	0.16847	0.09026	0.08449	0.06559	0.32238	0.08976	0.09092	0.09026	1.7286551	0.040621121	2.143E-06	0.003398	0.148666	0.012418	0.156974	0.14955532	1.941179
3423	487863.09	3848877.25	0.11209	0.089	0.07498	0.05675	0.36236	0.08676	0.08964	0.089	1.15014513	0.040054064	1.902E-06	0.00294	0.167102	0.012003	0.154764	0.14746758	1.379543
3424	488363.09	3848877.25	0.12779	0.0878	0.05525	0.07226	0.4974	0.10179	0.08842	0.0878	1.31124138	0.039514009	1.402E-06	0.003743	0.229376	0.014082	0.152658	0.14547925	1.605137
3425	488863.09	3848877.25	0.13916	0.08665	0.07239	0.0988	0.25196	0.09233	0.08725	0.08665	1.4279079	0.038996457	1.836E-06	0.005118	0.116191	0.012773	0.150638	0.14357377	1.608053
3426	489363.09	3848877.25	0.14472	0.08555	0.08886	0.10909	0.34814	0.07491	0.08614	0.08555	1.48495854	0.038501406	2.254E-06	0.005651	0.160545	0.010363	0.148722	0.14175114	1.706992
3427	489863.09	3848877.25	0.14326	0.0845	0.08425	0.10998	0.30577	0.05621	0.08508	0.0845	1.46997762	0.038028858	2.137E-06	0.005697	0.141006	0.007776	0.146891	0.14001135	1.669368
3428	490363.09	3848877.25	0.13575	0.08347	0.06744	0.08403	0.40117	0.05835	0.08403	0.08347	1.3929182	0.037565311	1.711E-06	0.004353	0.185	0.008072	0.145079	0.1383047	1.634684
3429	490863.09	3848877.25	0.12565	0.08247	0.04707	0.07996	0.26219	0.05761	0.08302	0.08247	1.28928304	0.037115266	1.194E-06	0.004142	0.120909	0.00797	0.143335	0.13664776	1.466108
3430	491363.09	3848877.25	0.08523	0.08152	0.0424	0.06769	0.25537	0.05279	0.08205	0.08152	0.87453715	0.036687722	1.076E-06	0.003506	0.117764	0.007303	0.14166	0.13507367	1.046386
3431	491863.09	3848877.25	0.0835	0.08059	0.04656	0.08308	0.17519	0.04905	0.08111	0.08059	0.85678578	0.03626918	1.181E-06	0.004304	0.080789	0.006786	0.140037	0.13353272	0.991439
3432	492363.09	3848877.25	0.08923	0.0797	0.04556	0.08127	0.23261	0.04753	0.08021	0.0797	0.91558078	0.035868639	1.156E-06	0.00421	0.107268	0.006576	0.138483	0.13205804	1.07593
3433	492863.09	3848877.25	0.09379	0.07884	0.06224	0.09371	0.22396	0.04291	0.07933	0.07884	0.96237052	0.0354816	1.579E-06	0.004854	0.103279	0.005936	0.136964	0.13063307	1.118255
3434	493363.09	3848877.25	0.0974	0.078	0.05275	0.08688	0.25446	0.04278	0.07849	0.078	0.9994124	0.035103562	1.338E-06	0.004501	0.117344	0.005918	0.135514	0.12924125	1.168553
3435	493863.09	3848877.25	0.09987	0.0772	0.04	0.08022	0.27581	0.04506	0.07768	0.0772	1.02475684	0.034743525	1.015E-06	0.004156	0.12719	0.006234	0.134115	0.12791569	1.20328
3436	494363.09	3848877.25	0.10006	0.07641	0.05752	0.06547	0.25273	0.05334	0.07688	0.07641	1.02670641	0.034387989	1.459E-06	0.003391	0.116547	0.007379	0.132734	0.12660671	1.194541
3437	494863.09	3848877.25	0.09689	0.07564	0.05297	0.04734	0.17542	0.05718	0.07611	0.07564	0.99417933	0.034041454	1.344E-06	0.002452	0.080895	0.007911	0.131405	0.12533087	1.125554
3438	495363.09	3848877.25	0.09064	0.0749	0.07466	0.06214	0.15893	0.0581	0.07536	0.0749	0.93004866	0.03370842	1.894E-06	0.003219	0.073291	0.008038	0.13011	0.12410473	1.054311
3439	495863.09	3848877.25	0.08326	0.07417	0.09262	0.07495	0.15238	0.05745	0.07462	0.07417	0.85432316	0.033379887	2.35E-06	0.003883	0.07027	0.007948	0.128832	0.12289517	0.975743
3440	496363.09	3848877.25	0.09032	0.07345	0.09792	0.08105	0.16874	0.05628	0.0739	0.07345	0.92676517	0.033055854	2.484E-06	0.004199	0.077815	0.007786	0.127589	0.12170217	1.05551
3441	496863.09	3848877.25	0.10158	0.07275	0.091	0.07025	0.15357	0.05525	0.0732	0.07275	1.04230299	0.032740822	2.308E-06	0.003639	0.070819	0.007644	0.126381	0.12054232	1.162986
3442	497363.09	3848877.25	0.11116	0.07208	0.08074	0.0798	0.11694	0.05439	0.07253	0.07208	1.14060249	0.032439291	2.048E-06	0.004134	0.053927	0.007525	0.125224	0.11943217	1.244421
3443	497863.09	3848877.25	0.11863	0.07142	0.07193	0.07957	0.23509	0.0536	0.07186	0.07142	1.21725147	0.032142261	1.825E-06	0.004122	0.108412	0.007415	0.124067	0.11833859	1.375073
3444	498363.09	3848877.25	0.12439	0.07077	0.07235	0.08369	0.3662	0.06196	0.07121	0.07077	1.27635429	0.031849732	1.835E-06	0.004335	0.168873	0.008572	0.122945	0.11726158	1.495669
3445	471363.09	3849377.25	0.2762	0.33121	0.26429	0.14589	0.19741	0.17296	0.33307	0.33121	2.83406267	0.149059624	6.704E-06	0.007557	0.091036	0.023928	0.575049	0.54879478	3.131904
3446	471863.09	3849377.25	0.29957	0.37231	0.39025	0.17144	0.17513	0.20133	0.3746	0.37231	3.07386008	0.1675565	9.9E-06	0.008881	0.080761	0.027853	0.646751	0.61689498	3.388777
3447	472363.09	3849377.25	0.30605	0.39805	0.45625	0.21529	0.26786	0.21466	0.40061	0.39805	3.14035076	0.179140676	1.157E-05	0.011152	0.123524	0.029697	0.691657	0.65954459	3.515989
3448	472863.09	3849377.25	0.32959	0.42198	0.45221	0.2239	0.49232	0.21759	0.42477	0.42198	3.38189253	0.189910268	1.147E-05	0.011598	0.227034	0.030103	0.73337	0.69919514	3.874723
3449	473363.09	3849377.25	0.39583	0.46337	0.35865	0.22654	0.67055	0.24755	0.4667	0.46337	4.06157505	0.208537658	9.098E-06	0.011735	0.309224	0.034247	0.805762	0.76777585	4.663315
3450	473863.09	3849377.25	0.43957	0.50592	0.63062	0.24411	0.66744	0.25157	0.51001	0.50592	4.51038714	0.227687101	1.6E-05	0.012645	0.30779	0.034803	0.880537	0.8382786	5.135588
3451	474363.09	3849377.25	0.45171	0.56945	0.79636	0.26	0.48931	0.26499	0.57343	0.56945	4.63495456	0.256278502	2.02E-05	0.013468	0.225645	0.03666	0.990033	0.94354394	5.213516
3452	474863.09	3849377.25	0.42752	0.66892	0.6669	0.36256	0.56417	0.28914	0.67319	0.66892	4.38674321	0.301044544	1.692E-05	0.018781	0.260167	0.040001	1.162269	1.10835967	5.060664
3453	475363.09	3849377.25	0.36935	1.13708	0.33069	0.40683	0.86176	0.29048	1.14644	1.13708	3.78986621	0.511737921	8.389E-06	0.021074	0.397401	0.040186	1.97934	1.88407226	4.855542
3454	475863.09	3849377.25	0.40614	1.51339	0.17141	0.40335	0.9025	0.27026	1.52574	1.51339	4.167365	0.681094605	4.348E-06	0.020894	0.416188	0.037389	2.634206	2.50759499	5.449546
3455	476363.09	3849377.25	0.46799	2.11942	0.48252	0.31561	0.65543	0.23619	2.13939	2.11942	4.80200214	0.953835777	1.224E-05	0.016349	0.302252	0.032676	3.693679	3.51174976	6.289055
3456	476863.09	3849377.25	0.43876	4.08805	0.5414	0.16836	0.32684	0.2049	4.12948	4.08805	4.50207581	1.839809169	1.373E-05	0.008721	0.150722	0.028347	7.129589	6.77364969	6.885629
3457	477363.09	3849377.25	0.40727	1.27617	0.34097	0.23749	0.4341	0.19783	1.2883	1.27617	4.17895983	0.574334773	8.65E-06	0.012302	0.200185	0.027369	2.224263	2.11453591	5.102887
3458	477863.09	3849377.25	0.43581	0.98121	0.18809	0.48736	0.51109	0.26371	0.99035	0.98121	4.47180613	0.441589304	4.771E-06	0.025246	0.235689	0.036483	1.709849	1.62580517	5.294863
3459	478363.09	3849377.25	0.64138	0.74537	0.11535	0.34787	0.75113	0.36346	0.7524	0.74537	6.5811409	0.335450535	2.926E-06	0.01802	0.346384	0.050283	1.299026	1.23503266	7.395275
3460	478863.09	3849377.25	0.72735	0.53616	0.10384	0.25846	0.49507	0.24958	0.54032	0.53616	7.46327113	0.241296482	2.634E-06	0.013389	0.228302	0.034528	0.932868	0.88838444	8.025272
3461	479363.09	3849377.25	0.74174	0.43795	0.09904	0.23413	0.40838	0.24751	0.442	0.43795	7.61092559	0.197097498	2.512E-06	0.012128	0.188325	0.034242	0.763117	0.72565646	8.080181
3462	479863.09	3849377.25	0.46797	0.30546	0.08761	0.27465	0.23837	0.20523	0.30904	0.30546	4.80179692	0.137470948	2.222E-06	0.014227	0.109924	0.028393	0.533561	0.5061286	5.119246
3463	480363.09	3849377.25	0.62339	0.29898	0.10721	0.36923	0.54613	0.20082	0.30149	0.29898	6.39654717	0.134554652	2.72E-06	0.019127	0.251848	0.027782	0.520526	0.49539164	6.854996
3464	480863.09	3849377.25	0.51734	0.25307	0.122	0.24426	1.21814	0.13326	0.2553	0.25307	5.30837793	0.113893056	3.095E-06	0.012653	0.561746	0.018436	0.440778	0.41932157	6.036565
3465	481363.09	3849377.25	0.52139	0.20626	0.26179	0.14042	0.80157	0.12137	0.20844	0.20626	5.3499346	0.092826418	6.641E-06	0.007274	0.369644	0.016791	0.359874	0.34176025	5.85459
3466	481863.09	3849377.25	0.32147	0.1126	0.13779	0.09041	0.16348	0.09755	0.12456	0.1126	3.29857396	0.050675142	3.495E-06	0.004683	0.075389	0.013496	0.215054	0.18657134	3.471303
3467	482363.09	3849377.25	0.28762	0.11117	0.1089	0.10282	0.16681	0.10454	0.1159	0.11117	2.95124224	0.050031576	2.763E-06	0.005326	0.076924	0.014463	0.200103	0.18420191	3.11389
3468	482863.09	3849377.25	0.29934	0.1087	0.11702	0.08977	0.224	0.10021	0.11102	0.1087	3.07150007	0.048919963	2.969E-06	0.00465	0.103298	0.013864	0.191677	0.18010927	3.253802
3469	483363.09	3849377.25	0.25045	0.10038	0.10597	0.08749	0.26181	0.1236	0.10193	0.10038	2.5698443	0.045175584	2.688E-06	0.004532	0.120734	0.017099	0.175983	0.16632354	2.767048
3470	483863.09	3849377.25	0.17482	0.09187	0.09184	0.08073	0.25085	0.13165	0.09242	0.09187	1.79381186	0.041345695	2.33E-06	0.004182	0.11568	0.018213	0.159564	0.15222299	1.980576
3471	484363.09	3849377.25	0.33149	0.09794	0.12115	0.12633	0.38441	0.12505	0.09893	0.09794	3.40138825	0.044077472	3.073E-06	0.006544	0.177271	0.0173	0.170804	0.16228061	3.655107
3472	484863.09	3849377.25	0.31364	0.09684	0.17284	0.14862	1.05154	0.10932	0.09749	0.09684	3.21823105	0.043582422	4.385E-06	0.007699	0.484918	0.015124	0.168317	0.16045798	3.777418
3473	485363.09	3849377.25	0.34229	0.09481	0.11022	0.13181	0.96272	0.08567	0.09545	0.09481	3.51220605	0.042668829	2.796E-06	0.006828	0.443959	0.011852	0.164795	0.15709439	4.025217

3474	485863.09	3849377.25	0.19578	0.08785	0.1013	0.10703	0.49656	0.05876	0.08842	0.08785	2.00888049	0.039536511	2.57E-06	0.005544	0.228989	0.008129	0.152658	0.1455621	2.298178
3475	486363.09	3849377.25	0.11852	0.08676	0.09734	0.08115	0.16283	0.0666	0.0873	0.08676	1.21612277	0.039045962	2.469E-06	0.004204	0.075089	0.009214	0.150724	0.14375603	1.350646
3476	486863.09	3849377.25	0.14847	0.08592	0.10639	0.08797	0.18443	0.08333	0.08647	0.08592	1.52343695	0.038667923	2.699E-06	0.004557	0.08505	0.011528	0.149291	0.1423642	1.67017
3477	487363.09	3849377.25	0.17239	0.08506	0.11319	0.06951	0.33176	0.0912	0.08561	0.08506	1.76887786	0.038280884	2.871E-06	0.003601	0.152991	0.012617	0.147807	0.14093924	1.983238
3478	487863.09	3849377.25	0.17589	0.08417	0.07973	0.06072	0.37633	0.08975	0.0847	0.08417	1.80479103	0.037880343	2.023E-06	0.003145	0.173545	0.012416	0.146235	0.13946456	2.038551
3479	488363.09	3849377.25	0.18685	0.08333	0.07604	0.07252	0.50819	0.10556	0.08385	0.08333	1.91725058	0.037502305	1.929E-06	0.003757	0.234352	0.014604	0.144768	0.13807273	2.214162
3480	488863.09	3849377.25	0.189	0.08252	0.1008	0.10091	0.25381	0.094	0.08303	0.08252	1.93931153	0.037137768	2.557E-06	0.005227	0.117045	0.013004	0.143352	0.13673061	2.11835
3481	489363.09	3849377.25	0.14674	0.08173	0.09383	0.11194	0.37569	0.0755	0.08224	0.08173	1.50568558	0.036782232	2.38E-06	0.005799	0.17325	0.010445	0.141988	0.13542163	1.73853
3482	489863.09	3849377.25	0.13929	0.08095	0.09555	0.11066	0.36411	0.06712	0.08145	0.08095	1.42924182	0.036431196	2.424E-06	0.005732	0.167909	0.009286	0.140624	0.13412922	1.655098
3483	490363.09	3849377.25	0.12886	0.08018	0.06527	0.0868	0.39067	0.05956	0.08067	0.08018	1.32222055	0.036084661	1.656E-06	0.004496	0.180158	0.00824	0.139278	0.13285337	1.557625
3484	490863.09	3849377.25	0.12937	0.07943	0.04868	0.08076	0.27886	0.05735	0.07991	0.07943	1.32745361	0.035747127	1.235E-06	0.004183	0.128596	0.007934	0.137965	0.13161067	1.510271
3485	491363.09	3849377.25	0.11194	0.0787	0.04874	0.06871	0.22722	0.05156	0.07918	0.0787	1.14860599	0.035418594	1.236E-06	0.003559	0.104783	0.007133	0.136705	0.1304011	1.305805
3486	491863.09	3849377.25	0.09229	0.07798	0.05873	0.08506	0.2128	0.04988	0.07845	0.07798	0.94697916	0.035094561	1.49E-06	0.004406	0.098133	0.006901	0.135445	0.12920811	1.097752
3487	492363.09	3849377.25	0.09693	0.07728	0.05242	0.08937	0.24731	0.0486	0.07775	0.07728	0.99458977	0.034779529	1.33E-06	0.004629	0.114047	0.006724	0.134236	0.12804825	1.160959
3488	492863.09	3849377.25	0.10061	0.07659	0.06505	0.09397	0.24475	0.04767	0.07706	0.07659	1.03234991	0.034468997	1.65E-06	0.004868	0.112867	0.006595	0.133045	0.12690496	1.19729
3489	493363.09	3849377.25	0.10288	0.07592	0.04644	0.0852	0.28637	0.05562	0.07638	0.07592	1.05564217	0.034167467	1.178E-06	0.004413	0.13206	0.007695	0.131871	0.12579481	1.240055
3490	493863.09	3849377.25	0.10236	0.07526	0.05614	0.07885	0.26227	0.05856	0.07572	0.07526	1.0503065	0.033870437	1.424E-06	0.004085	0.120946	0.008101	0.130731	0.12470123	1.22334
3491	494363.09	3849377.25	0.0981	0.07461	0.07932	0.05844	0.20217	0.05902	0.07507	0.07461	1.00659503	0.033577907	2.012E-06	0.003027	0.093231	0.008165	0.129609	0.12362422	1.150583
3492	494863.09	3849377.25	0.09111	0.07396	0.10161	0.05693	0.16525	0.05804	0.07442	0.07396	0.93487129	0.033285377	2.578E-06	0.002949	0.076205	0.00803	0.128487	0.12254721	1.061283
3493	495363.09	3849377.25	0.09215	0.07332	0.10548	0.07035	0.15785	0.05672	0.07378	0.07332	0.94554263	0.032997348	2.676E-06	0.003644	0.072793	0.007847	0.127382	0.12148677	1.068722
3494	495863.09	3849377.25	0.10346	0.07267	0.0892	0.08182	0.1749	0.05572	0.07313	0.07267	1.0615935	0.032704818	2.263E-06	0.004238	0.080655	0.007709	0.12626	0.12040976	1.192753
3495	496363.09	3849377.25	0.11283	0.07203	0.07178	0.0776	0.15702	0.05487	0.0725	0.07203	1.1577382	0.032416789	1.821E-06	0.00402	0.07241	0.007591	0.125172	0.11934932	1.28
3496	496863.09	3849377.25	0.11992	0.07141	0.06553	0.07978	0.13921	0.05401	0.07187	0.07141	1.23048804	0.032137761	1.662E-06	0.004133	0.064197	0.007472	0.124084	0.11832202	1.344191
3497	497363.09	3849377.25	0.12532	0.07078	0.06811	0.08241	0.28465	0.05693	0.07124	0.07078	1.28589694	0.031854232	1.728E-06	0.004269	0.131266	0.007876	0.122997	0.11727815	1.466883
3498	497863.09	3849377.25	0.1299	0.07019	0.08327	0.09376	0.40467	0.0658	0.07066	0.07019	1.33289189	0.031588705	2.112E-06	0.004857	0.186614	0.009103	0.121995	0.11630055	1.570751
3499	498363.09	3849377.25	0.13409	0.06953	0.09583	0.07265	0.4172	0.07361	0.07001	0.06953	1.3758851	0.031291675	2.431E-06	0.003763	0.192392	0.010184	0.120873	0.11520697	1.619184
3500	471363.09	3849877.25	0.21345	0.18672	0.15252	0.14353	0.38563	0.14604	0.18854	0.18672	2.19019072	0.084032526	3.869E-06	0.007435	0.177833	0.020204	0.325516	0.30938366	2.495832
3501	471863.09	3849877.25	0.27052	0.26845	0.18189	0.14252	0.33542	0.15321	0.27093	0.26845	2.77578072	0.120814758	4.614E-06	0.007383	0.154679	0.021196	0.467763	0.44480529	3.102816
3502	472363.09	3849877.25	0.29831	0.31677	0.32617	0.14669	0.23678	0.19741	0.31967	0.31677	3.06093134	0.142560964	8.274E-06	0.007599	0.109191	0.027311	0.551913	0.52486858	3.374646
3503	472863.09	3849877.25	0.31988	0.33899	0.44405	0.19518	0.18499	0.21998	0.34228	0.33899	3.28225912	0.152560979	1.126E-05	0.010111	0.085308	0.030433	0.59095	0.56168577	3.589947
3504	473363.09	3849877.25	0.32372	0.3647	0.49806	0.23159	0.32175	0.2286	0.36808	0.3647	3.321661	0.164131653	1.263E-05	0.011997	0.148375	0.031626	0.635494	0.60428567	3.709011
3505	473863.09	3849877.25	0.37988	0.38954	0.48164	0.23461	0.56188	0.23753	0.39277	0.38954	3.89791357	0.175310787	1.222E-05	0.012153	0.259111	0.032861	0.678121	0.64544404	4.410039
3506	474363.09	3849877.25	0.44155	0.42134	0.52012	0.23646	0.71571	0.27517	0.42465	0.42134	4.53070374	0.189622239	1.319E-05	0.012249	0.33005	0.038068	0.733163	0.6981347	5.135734
3507	474863.09	3849877.25	0.4739	0.46491	0.80508	0.2586	0.67167	0.26951	0.46872	0.46491	4.8626441	0.209230729	2.042E-05	0.013396	0.309741	0.037285	0.80925	0.77032753	5.47124
3508	475363.09	3849877.25	0.47141	0.52902	0.84795	0.32457	0.46713	0.29423	0.53313	0.52902	4.83709444	0.238083156	2.151E-05	0.016813	0.215417	0.040705	0.920454	0.8765539	5.392035
3509	475863.09	3849877.25	0.4288	0.77264	0.56003	0.40901	0.74899	0.30738	0.77947	0.77264	4.39987717	0.34772328	1.421E-05	0.021187	0.345397	0.042525	1.345763	1.28021739	5.222269
3510	476363.09	3849877.25	0.37483	0.76941	0.20421	0.43315	0.9572	0.30265	0.77517	0.76941	3.84609599	0.346269633	5.18E-06	0.022438	0.441413	0.04187	1.338339	1.27486548	4.761565
3511	476863.09	3849877.25	0.41783	1.06927	0.4631	0.40871	0.83576	0.26584	1.07837	1.06927	4.28731501	0.481220325	1.175E-05	0.021172	0.385411	0.036778	1.861817	1.77171522	5.302009
3512	477363.09	3849877.25	0.45772	1.61237	0.65154	0.25646	0.52627	0.20917	1.62902	1.61237	4.69662262	0.725640124	1.653E-05	0.013285	0.24269	0.028938	2.81252	2.67159882	5.848112
3513	477863.09	3849877.25	0.48961	3.42538	0.40065	0.23189	0.42394	0.20536	3.41275	3.42538	5.02384296	1.54157741	1.016E-05	0.012012	0.1955	0.028411	5.892147	5.67564589	7.017855
3514	478363.09	3849877.25	0.51144	1.37971	0.22183	0.47746	0.52043	0.26982	1.38748	1.37971	5.24783857	0.6209325	5.627E-06	0.024733	0.239996	0.037328	2.395498	2.28609538	6.280237
3515	478863.09	3849877.25	0.71885	0.83445	0.12989	0.4214	0.75348	0.43581	0.84026	0.83445	7.37605341	0.375540603	3.295E-06	0.021829	0.347468	0.060292	1.450717	1.38263279	8.249271
3516	479363.09	3849877.25	0.79767	0.54375	0.12401	0.29516	0.62441	0.29946	0.54636	0.54375	8.18481815	0.244712329	3.146E-06	0.01529	0.287947	0.041429	0.943296	0.90096061	8.816535
3517	479863.09	3849877.25	0.73967	0.50226	0.10038	0.26152	0.46748	0.29517	0.5534	0.50226	7.58968551	0.226039934	2.546E-06	0.013547	0.215579	0.040835	0.955451	0.83221421	8.208925
3518	480363.09	3849877.25	0.63007	0.34386	0.2736	0.34447	0.25906	0.25682	0.34655	0.34386	6.46509004	0.154752701	6.941E-06	0.017844	0.119466	0.03553	0.598322	0.56975506	6.821256
3519	480863.09	3849877.25	0.60041	0.28801	0.11357	0.35611	0.62799	0.18348	0.29149	0.28801	6.16075152	0.129617651	2.881E-06	0.018447	0.289598	0.025384	0.50326	0.47721502	6.649846
3520	481363.09	3849877.25	0.52729	0.26277	0.24075	0.20867	1.16076	0.13901	0.2658	0.26277	5.41047396	0.118258499	6.107E-06	0.010809	0.535285	0.019231	0.458906	0.43539387	6.117577
3521	481863.09	3849877.25	0.34071	0.14221	0.20422	0.08961	0.41988	0.10223	0.14312	0.14221	3.49599382	0.064000994	5.181E-06	0.004642	0.193628	0.014143	0.247098	0.2356333	3.783878
3522	482363.09	3849877.25	0.2894	0.11026	0.12029	0.0994	0.14356	0.09967	0.11691	0.11026	2.96950665	0.049622035	3.051E-06	0.005149	0.066203	0.013789	0.201846	0.1826941	3.123425
3523	482863.09	3849877.25	0.28965	0.10587	0.10341	0.09142	0.19805	0.09296	0.10944	0.10587	2.97207188	0.047646334	2.623E-06	0.004736	0.091331	0.012861	0.188949	0.17542014	3.142177
3524	483363.09	3849877.25	0.24075	0.08813	0.11412	0.09161	0.25616	0.11865	0.0886	0.08813	2.4703135	0.039662524	2.895E-06	0.004746	0.118128	0.016415	0.152969	0.14602604	2.65621
3525	483863.09	3849877.25	0.26731	0.08704	0.09131	0.08691	0.27651	0.13369	0.08752	0.08704	2.7428432	0.039171974	2.316E-06	0.004502	0.127513	0.018495	0.151104	0.14421998	2.939412
3526	484363.09	3849877.25	0.3471	0.10733	0.13243	0.1274	0.2359	0.13891	0.10845	0.10733	3.56156102	0.048303401	3.359E-06	0.006599	0.108785	0.019218	0.18724	0.17783927	3.753871
3527	484863.09	3849877.25	0.38267	0.12047	0.18804	0.15722	0.94479	0.13402	0.14133	0.12047	3.9265415	0.054217001	4.77E-06	0.008144	0.43569	0.018541	0.244008	0.19961145	4.487535
3528	485363.09	3849877.25	0.38493	0.10345	0.10509	0.15296	1.11806	0.08841	0.1107	0.10345	3.94973115	0.046557224	2.666E-06	0.007924	0.515594	0.012231	0.191125	0.17141034	4.551754
3529	485863.09	3849877.25	0.283	0.09914	0.122	0.11609	0.50366	0.07715	0.10023	0.09914	2.90383684	0.044617527	3.095E-06	0.006014	0.232263	0.010673	0.173048	0.16426894	3.206187
3530	486363.09	3849877.25	0.23206	0.09477	0.13749	0.09222	0.26557	0.06773	0.09566	0.09477	2.38114621	0.042650827	3.488E-06	0.004777	0.122468	0.00937	0.165158	0.15702811	2.568545

3531	486863.09	3849877.25	0.22945	0.09036	0.12388	0.10893	0.29416	0.10298	0.09135	0.09036	2.35436524	0.040666126	3.143E-06	0.005643	0.135652	0.014247	0.157717	0.14972101	2.558572
3532	487363.09	3849877.25	0.17669	0.08474	0.1514	0.07362	0.34184	0.09829	0.08565	0.08474	1.81299976	0.038136869	3.841E-06	0.003814	0.15764	0.013598	0.147876	0.14040902	2.033658
3533	487863.09	3849877.25	0.17866	0.08204	0.11198	0.06514	0.39171	0.09428	0.08258	0.08204	1.83321375	0.036921746	2.841E-06	0.003374	0.180637	0.013043	0.142575	0.13593528	2.073833
3534	488363.09	3849877.25	0.19136	0.08123	0.11929	0.07272	0.51619	0.10975	0.08177	0.08123	1.96352727	0.036557209	3.026E-06	0.003767	0.238041	0.015183	0.141177	0.13459316	2.263663
3535	488863.09	3849877.25	0.19142	0.08052	0.09807	0.10312	0.25423	0.09569	0.08105	0.08052	1.96414293	0.036237677	2.488E-06	0.005342	0.117238	0.013238	0.139934	0.13341673	2.142718
3536	489363.09	3849877.25	0.14589	0.07984	0.0773	0.11498	0.39059	0.07387	0.08038	0.07984	1.49696381	0.035931646	1.961E-06	0.005956	0.180121	0.01022	0.138777	0.13229001	1.735681
3537	489863.09	3849877.25	0.13254	0.0792	0.10056	0.11106	0.57457	0.06887	0.07974	0.0792	1.35998069	0.035643616	2.551E-06	0.005753	0.264963	0.009528	0.137672	0.13122957	1.682313
3538	490363.09	3849877.25	0.12893	0.07856	0.07342	0.08948	0.35165	0.06745	0.0791	0.07856	1.32293881	0.035355587	1.863E-06	0.004635	0.162164	0.009331	0.136567	0.13016913	1.540824
3539	490863.09	3849877.25	0.13	0.07792	0.06536	0.08022	0.28334	0.05683	0.07847	0.07792	1.33391798	0.035067558	1.658E-06	0.004156	0.130662	0.007862	0.135479	0.12910869	1.518038
3540	491363.09	3849877.25	0.118	0.07729	0.09052	0.06987	0.18764	0.05192	0.07783	0.07729	1.21078709	0.034784029	2.296E-06	0.003619	0.08653	0.007183	0.134374	0.12806482	1.349215
3541	491863.09	3849877.25	0.10016	0.07664	0.05103	0.08696	0.25354	0.05122	0.07719	0.07664	1.0277325	0.0344915	1.295E-06	0.004505	0.11692	0.007086	0.133269	0.12698781	1.197018
3542	492363.09	3849877.25	0.104	0.07599	0.05983	0.09514	0.22771	0.05772	0.07654	0.07599	1.06713439	0.03419897	1.518E-06	0.004928	0.105009	0.007985	0.132147	0.1259108	1.225493
3543	492863.09	3849877.25	0.10602	0.07534	0.06439	0.09257	0.29201	0.05978	0.07589	0.07534	1.08786142	0.03390644	1.633E-06	0.004795	0.134661	0.00827	0.131025	0.12483379	1.275687
3544	493363.09	3849877.25	0.10459	0.07468	0.08542	0.08399	0.28499	0.05988	0.07523	0.07468	1.07318832	0.03360941	2.167E-06	0.004351	0.131423	0.008284	0.129885	0.12374021	1.257003
3545	493863.09	3849877.25	0.09915	0.07401	0.10549	0.07644	0.22902	0.05856	0.07457	0.07401	1.01736899	0.033307879	2.676E-06	0.00396	0.105613	0.008101	0.128746	0.12263006	1.174469
3546	494363.09	3849877.25	0.09402	0.07334	0.10904	0.05579	0.17164	0.05713	0.0739	0.07334	0.96473053	0.033006349	2.766E-06	0.00289	0.079152	0.007904	0.127589	0.12151991	1.093754
3547	494863.09	3849877.25	0.10538	0.07266	0.09439	0.06556	0.1638	0.05626	0.07322	0.07266	1.08129444	0.032700318	2.394E-06	0.003396	0.075536	0.007783	0.126415	0.12039319	1.206735
3548	495363.09	3849877.25	0.11448	0.07195	0.07156	0.07883	0.18151	0.05634	0.0725	0.07195	1.1746687	0.032380785	1.815E-06	0.004084	0.083703	0.007794	0.125172	0.11921676	1.308588
3549	495863.09	3849877.25	0.12113	0.07125	0.0631	0.08454	0.16054	0.0545	0.0718	0.07125	1.24290373	0.032065753	1.601E-06	0.004379	0.074033	0.00754	0.123963	0.11805691	1.36683
3550	496363.09	3849877.25	0.12617	0.07053	0.06716	0.07878	0.18066	0.05382	0.07108	0.07053	1.29461871	0.031741721	1.704E-06	0.004081	0.083311	0.007446	0.12272	0.11686391	1.427057
3551	496863.09	3849877.25	0.13057	0.0698	0.08214	0.08527	0.33741	0.06079	0.07035	0.0698	1.3397667	0.031413187	2.084E-06	0.004417	0.155597	0.00841	0.12146	0.11565435	1.545411
3552	497363.09	3849877.25	0.13477	0.0691	0.10043	0.09553	0.43479	0.06947	0.06965	0.0691	1.38286251	0.031098155	2.548E-06	0.004949	0.200504	0.009611	0.120251	0.11449449	1.634783
3553	497863.09	3849877.25	0.13838	0.06836	0.10672	0.07515	0.40544	0.07689	0.06892	0.06836	1.41990439	0.030765121	2.707E-06	0.003893	0.186969	0.010637	0.118991	0.11326835	1.657894
3554	498363.09	3849877.25	0.14036	0.0676	0.09749	0.06676	0.28069	0.08242	0.06814	0.0676	1.44022099	0.030423087	2.473E-06	0.003458	0.12944	0.011402	0.117644	0.11200908	1.620583
3555	471363.09	3850377.25	0.19989	0.15229	0.17211	0.13933	0.44117	0.14994	0.153	0.15229	2.05105282	0.068537454	4.366E-06	0.007217	0.203446	0.020743	0.264156	0.25233525	2.362822
3556	471863.09	3850377.25	0.20012	0.17106	0.16769	0.14713	0.55378	0.15373	0.1726	0.17106	2.05341282	0.076984811	4.254E-06	0.007622	0.255376	0.021268	0.297996	0.28343599	2.429227
3557	472363.09	3850377.25	0.23748	0.20693	0.19829	0.15226	0.44629	0.1549	0.20887	0.20693	2.43676033	0.093127949	5.03E-06	0.007887	0.205807	0.02143	0.360616	0.3428704	2.782763
3558	472863.09	3850377.25	0.2848	0.27221	0.23418	0.15368	0.37803	0.18522	0.27526	0.27221	2.92230648	0.12250693	5.941E-06	0.007961	0.174329	0.025624	0.475239	0.45103538	3.276937
3559	473363.09	3850377.25	0.3233	0.30262	0.36251	0.15607	0.277	0.20635	0.30623	0.30262	3.31735142	0.136192818	9.196E-06	0.008085	0.127739	0.028548	0.528709	0.5014229	3.645211
3560	473863.09	3850377.25	0.34345	0.34176	0.48185	0.2159	0.19591	0.23009	0.34606	0.34176	3.52410871	0.153807605	1.222E-05	0.011184	0.090344	0.031832	0.597476	0.56627549	3.842489
3561	474363.09	3850377.25	0.35536	0.37316	0.54622	0.24837	0.38585	0.24463	0.37813	0.37316	3.64631612	0.167939039	1.386E-05	0.012866	0.177935	0.033843	0.652845	0.61830338	4.073455
3562	474863.09	3850377.25	0.43395	0.40078	0.51387	0.24416	0.63432	0.28623	0.40665	0.40078	4.45272084	0.1803693	1.304E-05	0.012648	0.292517	0.039599	0.702085	0.66406803	5.015884
3563	475363.09	3850377.25	0.48701	0.41539	0.72007	0.24758	0.75209	0.29109	0.42126	0.41539	4.9971646	0.186944468	1.827E-05	0.012825	0.346827	0.040271	0.72731	0.68827591	5.623084
3564	475863.09	3850377.25	0.50588	0.47153	0.96043	0.28355	0.67332	0.29539	0.47633	0.47153	5.19078792	0.212210031	2.436E-05	0.014688	0.310502	0.040866	0.822389	0.78129647	5.81017
3565	476363.09	3850377.25	0.48583	0.58636	0.82276	0.39288	0.58913	0.32291	0.59225	0.58636	4.98505673	0.263888774	2.087E-05	0.020352	0.271678	0.044673	1.022526	0.97156278	5.636631
3566	476863.09	3850377.25	0.42175	0.60774	0.39541	0.44556	0.91197	0.32399	0.61419	0.60774	4.32753777	0.273510751	1.003E-05	0.023081	0.420555	0.044822	1.060405	1.00698814	5.142934
3567	477363.09	3850377.25	0.41456	0.74844	0.41696	0.47477	0.87706	0.31798	0.75598	0.74844	4.25376184	0.336832175	1.058E-05	0.024594	0.404457	0.043991	1.305207	1.24011946	5.128734
3568	477863.09	3850377.25	0.43964	0.9973	0.72977	0.38834	0.719	0.23894	1.00798	0.9973	4.51110541	0.448830539	1.851E-05	0.020117	0.331567	0.033056	1.740288	1.65246532	5.432517
3569	478363.09	3850377.25	0.4633	1.69411	0.45177	0.22153	0.40564	0.21229	1.71742	1.69411	4.75387848	0.762426857	1.146E-05	0.011476	0.187061	0.029369	2.965143	2.80703702	5.902329
3570	478863.09	3850377.25	0.71167	3.37282	0.26507	0.44574	0.52612	0.29548	3.30723	3.37282	7.30238009	1.51792301	6.724E-06	0.02309	0.24262	0.040878	5.709966	5.58855717	9.248307
3571	479363.09	3850377.25	0.86957	1.31411	0.14569	0.4912	0.70609	0.49516	1.31609	1.31411	8.9225774	0.591409505	3.696E-06	0.025445	0.325614	0.068503	2.272243	2.17740018	10.02839
3572	479863.09	3850377.25	0.89472	0.87011	0.1417	0.32304	0.74181	0.35825	0.87341	0.87011	9.18063923	0.391589231	3.595E-06	0.016734	0.342086	0.049562	1.507951	1.44171924	10.04685
3573	480363.09	3850377.25	0.76419	0.59221	0.32815	0.2817	0.52684	0.3027	0.59541	0.59221	7.84128296	0.266521542	8.324E-06	0.014592	0.242952	0.041877	1.027981	0.98125588	8.45396
3574	480863.09	3850377.25	0.74931	0.66001	0.46151	0.39437	0.28339	0.29632	0.50698	0.66001	7.68860066	0.297034637	1.171E-05	0.020429	0.130685	0.040994	0.875306	1.09359634	7.959466
3575	481363.09	3850377.25	0.5632	0.36025	0.18131	0.34761	0.7546	0.17144	0.36322	0.36025	5.77894315	0.16212895	4.599E-06	0.018007	0.347984	0.023718	0.627103	0.59691229	6.360976
3576	481863.09	3850377.25	0.61621	0.29546	0.28227	0.19703	1.22144	0.15498	0.29906	0.29546	6.32287386	0.132970491	7.161E-06	0.010206	0.563267	0.021441	0.51633	0.48955921	7.077537
3577	482363.09	3850377.25	0.69655	0.27304	0.2289	0.16284	0.6039	0.11766	0.27623	0.27304	7.14723517	0.122880468	5.807E-06	0.008435	0.278489	0.016278	0.476914	0.45241064	7.597826
3578	482863.09	3850377.25	0.30237	0.16688	0.10088	0.11229	0.16677	0.1144	0.17338	0.16688	3.10259062	0.07510362	2.559E-06	0.005817	0.076906	0.015827	0.299342	0.27650999	3.299079
3579	483363.09	3850377.25	0.30919	0.14639	0.12397	0.0999	0.23544	0.12078	0.14965	0.14639	3.17257001	0.065882184	3.145E-06	0.005175	0.108573	0.016709	0.258372	0.24255931	3.384726
3580	483863.09	3850377.25	0.34558	0.1341	0.09005	0.12585	0.28688	0.15372	0.13596	0.1341	3.54596444	0.060351123	2.284E-06	0.006519	0.132295	0.021266	0.234736	0.22219553	3.778939
3581	484363.09	3850377.25	0.35884	0.12535	0.14743	0.13148	0.41647	0.1666	0.12685	0.12535	3.68202407	0.056413224	3.74E-06	0.006811	0.192055	0.023048	0.219008	0.20769731	3.971666
3582	484863.09	3850377.25	0.42844	0.12633	0.17166	0.15216	0.75591	0.15213	0.12737	0.12633	4.39618324	0.056854268	4.355E-06	0.007882	0.348588	0.021046	0.219906	0.20932111	4.841143
3583	485363.09	3850377.25	0.49091	0.13023	0.11657	0.17537	1.1992	0.11351	0.13134	0.13023	5.03718214	0.058609447	2.957E-06	0.009084	0.553012	0.015704	0.22676	0.21578317	5.684571
3584	485863.09	3850377.25	0.43266	0.11066	0.15912	0.14597	0.82781	0.08053	0.1116	0.11066	4.43948427	0.049802053	4.037E-06	0.007561	0.381745	0.011141	0.192679	0.18335688	4.899059
3585	486363.09	3850377.25	0.43405	0.10878	0.1815	0.11965	0.60492	0.08242	0.10973	0.10878	4.45374693	0.048955967	4.604E-06	0.006198	0.278959	0.011402	0.18945	0.18024183	4.808475
3586	486863.09	3850377.25	0.3368	0.10483	0.17093	0.12203	0.64863	0.11011	0.10576	0.10483	3.45587367	0.047178287	4.336E-06	0.006321	0.299116	0.015233	0.182596	0.17369692	3.832626
3587	487363.09	3850377.25	0.18117	0.09991	0.0978	0.09406	0.35233	0.11331	0.10108	0.09991	1.85896863	0.044964062	2.481E-06	0.004872	0.162477	0.015676	0.174516	0.16554478	2.095931

3588	487863.09	3850377.25	0.18173	0.09694	0.1351	0.07977	0.62709	0.10194	0.09807	0.09694	1.86471473	0.043627426	3.427E-06	0.004132	0.289183	0.014103	0.169319	0.16062367	2.224459
3589	488363.09	3850377.25	0.19599	0.09318	0.10968	0.07635	0.52098	0.11276	0.0942	0.09318	2.01103528	0.041935255	2.782E-06	0.003955	0.24025	0.0156	0.162637	0.15439358	2.321022
3590	488863.09	3850377.25	0.19332	0.08852	0.13895	0.10544	0.30638	0.09719	0.08943	0.08852	1.98363865	0.039838042	3.525E-06	0.005462	0.141287	0.013446	0.154402	0.14667224	2.191405
3591	489363.09	3850377.25	0.14455	0.08298	0.0896	0.11825	0.40685	0.07309	0.08374	0.08298	1.48321419	0.037344789	2.273E-06	0.006126	0.187619	0.010112	0.144578	0.1374928	1.731503
3592	489863.09	3850377.25	0.14256	0.07907	0.09636	0.11116	0.61681	0.07058	0.07984	0.07907	1.46279498	0.035585111	2.444E-06	0.005758	0.284442	0.009764	0.137845	0.13101417	1.805178
3593	490363.09	3850377.25	0.13062	0.07822	0.11408	0.09199	0.40971	0.07008	0.07898	0.07822	1.34027975	0.035202572	2.894E-06	0.004765	0.188938	0.009695	0.13636	0.12960577	1.585638
3594	490863.09	3850377.25	0.12957	0.07735	0.09523	0.07926	0.26051	0.05832	0.0781	0.07735	1.32950579	0.034811032	2.416E-06	0.004106	0.120134	0.008068	0.13484	0.12816424	1.503304
3595	491363.09	3850377.25	0.11185	0.07645	0.04932	0.08275	0.47354	0.05953	0.07719	0.07645	1.14768251	0.034405991	1.251E-06	0.004287	0.218373	0.008236	0.133269	0.12667299	1.419581
3596	491863.09	3850377.25	0.11441	0.07553	0.06255	0.08893	0.26009	0.06099	0.07625	0.07553	1.17395044	0.033991949	1.587E-06	0.004607	0.119941	0.008438	0.131646	0.12514861	1.347427
3597	492363.09	3850377.25	0.1091	0.07459	0.09616	0.0981	0.29078	0.06079	0.0753	0.07459	1.11946502	0.033568906	2.439E-06	0.005082	0.134093	0.00841	0.130006	0.12359108	1.307037
3598	492863.09	3850377.25	0.10667	0.07365	0.11712	0.09022	0.30633	0.05904	0.07434	0.07365	1.09453101	0.033145863	2.971E-06	0.004674	0.141264	0.008168	0.128349	0.12203356	1.288101
3599	493363.09	3850377.25	0.10016	0.0727	0.1111	0.08362	0.25435	0.05752	0.07338	0.0727	1.0277325	0.03271832	2.818E-06	0.004332	0.117294	0.007958	0.126691	0.12045947	1.196268
3600	493863.09	3850377.25	0.10732	0.07176	0.09044	0.0719	0.20502	0.05676	0.07242	0.07176	1.1012006	0.032295277	2.294E-06	0.003725	0.094545	0.007852	0.125034	0.11890195	1.245752
3601	494363.09	3850377.25	0.11608	0.07081	0.0687	0.06098	0.17026	0.05596	0.07146	0.07081	1.19108615	0.031867733	1.743E-06	0.003159	0.078515	0.007742	0.123376	0.11732785	1.31842
3602	494863.09	3850377.25	0.12224	0.06987	0.06002	0.07378	0.18865	0.05503	0.07051	0.06987	1.25429334	0.03144469	1.523E-06	0.003822	0.086996	0.007613	0.121736	0.11577033	1.390137
3603	495363.09	3850377.25	0.12693	0.06894	0.06799	0.09004	0.22008	0.09042	0.06957	0.06894	1.302417	0.031026148	1.725E-06	0.004664	0.10149	0.012509	0.120113	0.11422938	1.457992
3604	495863.09	3850377.25	0.13121	0.06798	0.08523	0.08057	0.23091	0.06971	0.0686	0.06798	1.34633368	0.030594104	2.162E-06	0.004174	0.106484	0.009644	0.118439	0.11263872	1.503032
3605	496363.09	3850377.25	0.13544	0.06706	0.1052	0.09012	0.38989	0.06481	0.06767	0.06706	1.38973732	0.030180062	2.669E-06	0.004668	0.179798	0.008966	0.116833	0.11111433	1.619071
3606	496863.09	3850377.25	0.13912	0.06616	0.1116	0.09853	0.45279	0.07296	0.06676	0.06616	1.42749746	0.029775021	2.831E-06	0.005104	0.208804	0.010094	0.115262	0.10962309	1.686916
3607	497363.09	3850377.25	0.14104	0.06525	0.10014	0.08815	0.37956	0.08003	0.06584	0.06525	1.4471984	0.029365479	2.54E-06	0.004566	0.175034	0.011072	0.113673	0.10811527	1.672797
3608	497863.09	3850377.25	0.13981	0.06433	0.07769	0.07724	0.23436	0.08451	0.06491	0.06433	1.43457749	0.028951437	1.971E-06	0.004001	0.108075	0.011692	0.112068	0.10659089	1.592776
3609	498363.09	3850377.25	0.13475	0.06343	0.06267	0.08029	0.281	0.08163	0.064	0.06343	1.3826573	0.028546396	1.59E-06	0.004159	0.129583	0.011293	0.110497	0.10509964	1.561638
3610	471363.09	3850877.25	0.22063	0.13285	0.18485	0.15778	0.46183	0.14275	0.13363	0.13285	2.26386404	0.059788566	4.689E-06	0.008173	0.212973	0.019749	0.230714	0.22012435	2.575142
3611	471863.09	3850877.25	0.2276	0.12815	0.19028	0.13589	0.41412	0.1494	0.12888	0.12815	2.33538256	0.057673352	4.827E-06	0.007039	0.190972	0.020669	0.222513	0.21233674	2.621916
3612	472363.09	3850877.25	0.22664	0.15395	0.18981	0.14139	0.55947	0.15561	0.15524	0.15395	2.32553209	0.06928453	4.815E-06	0.007324	0.258	0.021528	0.268023	0.25508577	2.694611
3613	472863.09	3850877.25	0.21611	0.20467	0.23916	0.15084	0.6371	0.16055	0.20632	0.20467	2.21748474	0.092110846	6.067E-06	0.007814	0.293799	0.022211	0.356214	0.33912572	2.650513
3614	473363.09	3850877.25	0.26269	0.20385	0.23043	0.15877	0.54809	0.16321	0.20534	0.20385	2.69543781	0.091741808	5.846E-06	0.008225	0.252752	0.022579	0.354522	0.33776703	3.087496
3615	473863.09	3850877.25	0.31188	0.24384	0.25838	0.16434	0.43216	0.19101	0.24593	0.24384	3.20017185	0.109739134	6.555E-06	0.008513	0.199291	0.026425	0.424601	0.40402802	3.564719
3616	474363.09	3850877.25	0.34902	0.28406	0.43474	0.17143	0.32317	0.23519	0.26843	0.28406	3.58126196	0.127839971	1.103E-05	0.00888	0.14903	0.032537	0.463447	0.47067011	3.892338
3617	474863.09	3850877.25	0.36671	0.29979	0.54927	0.24299	0.21225	0.25341	0.29963	0.29979	3.76277742	0.134919189	1.393E-05	0.012587	0.097879	0.035058	0.517314	0.49673376	4.063815
3618	475363.09	3850877.25	0.41544	0.33119	0.60154	0.2636	0.45924	0.26629	0.33587	0.33119	4.26279144	0.149050623	1.526E-05	0.013655	0.211779	0.03684	0.579883	0.54876164	4.705252
3619	475863.09	3850877.25	0.48982	0.36627	0.56221	0.25248	0.69991	0.32071	0.37252	0.36627	5.02599775	0.164838225	1.426E-05	0.013079	0.322764	0.044369	0.64316	0.60688707	5.607334
3620	476363.09	3850877.25	0.53108	0.4368	0.94473	0.26629	0.69892	0.30405	0.44177	0.4368	5.4493628	0.196579945	2.397E-05	0.013794	0.322307	0.042064	0.76272	0.72375098	6.063101
3621	476863.09	3850877.25	0.53298	0.45757	1.06554	0.34366	0.62525	0.33099	0.46578	0.45757	5.46885852	0.205927394	2.703E-05	0.017802	0.288334	0.045791	0.804174	0.7581656	6.072748
3622	477363.09	3850877.25	0.49125	0.51088	0.70069	0.43836	0.74889	0.34238	0.51997	0.51088	5.04067085	0.229919328	1.777E-05	0.022708	0.345351	0.047367	0.897733	0.84649702	5.73727
3623	477863.09	3850877.25	0.41434	0.58733	0.35244	0.49751	0.95467	0.35382	0.59852	0.58733	4.25150444	0.264325319	8.941E-06	0.025772	0.440246	0.048949	1.033351	0.97317001	5.090987
3624	478363.09	3850877.25	0.44797	0.72856	0.79697	0.51479	0.90965	0.32399	0.74349	0.72856	4.59657877	0.327885268	2.022E-05	0.026667	0.419485	0.044822	1.283643	1.20717952	5.491922
3625	478863.09	3850877.25	0.44754	0.94769	0.58958	0.3032	0.62235	0.21621	0.96885	0.94769	4.59216658	0.426503774	1.496E-05	0.015706	0.286997	0.029912	1.672729	1.57026457	5.453765
3626	479363.09	3850877.25	0.46897	1.52582	0.31058	0.40246	0.52385	0.39194	1.55742	1.52582	4.81205783	0.686688672	7.879E-06	0.020848	0.241574	0.054223	2.688901	2.52819074	5.97611
3627	479863.09	3850877.25	0.94615	3.67909	0.15644	0.58069	0.64891	0.51306	3.57632	3.67909	9.7083577	1.655758495	3.969E-06	0.030081	0.299245	0.070979	6.174553	6.09602789	11.84295
3628	480363.09	3850877.25	0.95481	1.26763	0.15188	0.34307	0.7237	0.41984	1.26643	1.26763	9.79721716	0.570491383	3.853E-06	0.017772	0.333735	0.058083	2.186504	2.10038565	10.86342
3629	480863.09	3850877.25	0.73683	1.0211	0.83163	0.32436	0.55331	0.36442	0.97328	1.0211	7.56054453	0.459541626	2.11E-05	0.016802	0.255159	0.050416	1.680378	1.69190047	8.330962
3630	481363.09	3850877.25	0.7837	0.956	0.51797	0.42936	0.31091	0.31444	0.85834	0.956	8.04147327	0.430243653	1.314E-05	0.022241	0.143376	0.043501	1.481933	1.58403373	8.578748
3631	481863.09	3850877.25	0.69099	0.50842	0.31238	0.45966	1.21807	0.27357	0.55755	0.50842	7.09018453	0.228812216	7.924E-06	0.023811	0.561713	0.037847	0.962616	0.84242095	8.062571
3632	482363.09	3850877.25	0.92438	0.37134	0.2314	0.26068	1.41487	0.19941	0.43588	0.37134	9.48497774	0.167119956	5.87E-06	0.013504	0.652468	0.027587	0.752551	0.61528775	10.48293
3633	482863.09	3850877.25	0.76357	0.28318	0.24124	0.16116	0.4888	0.17393	0.29979	0.28318	7.8349212	0.127443931	6.12E-06	0.008348	0.22541	0.024062	0.51759	0.469212	8.268571
3634	483363.09	3850877.25	0.41221	0.19874	0.13563	0.12483	0.20311	0.14897	0.20407	0.19874	4.22964871	0.089442075	3.441E-06	0.006466	0.093664	0.020609	0.352329	0.32930007	4.462863
3635	483863.09	3850877.25	0.35882	0.19448	0.10627	0.13567	0.43065	0.1646	0.19744	0.19448	3.68181886	0.08752488	2.696E-06	0.007028	0.198594	0.022772	0.340882	0.32224151	4.016381
3636	484363.09	3850877.25	0.43929	0.1902	0.2044	0.13937	0.73022	0.17534	0.19198	0.1902	4.50751409	0.085598685	5.185E-06	0.00722	0.336741	0.024257	0.331455	0.31514981	4.977642
3637	484863.09	3850877.25	0.45995	0.17789	0.1939	0.1449	0.52374	0.18285	0.17906	0.17789	4.71950444	0.080058623	4.919E-06	0.007506	0.241523	0.025296	0.309149	0.29475289	5.088289
3638	485363.09	3850877.25	0.56003	0.1744	0.14976	0.17602	1.16414	0.15608	0.17568	0.1744	5.74641607	0.078487963	3.799E-06	0.009118	0.536844	0.021593	0.303313	0.28897017	6.406806
3639	485863.09	3850877.25	0.48471	0.15064	0.1435	0.18537	1.07032	0.08729	0.1518	0.15064	4.97356451	0.067794879	3.64E-06	0.009602	0.493578	0.012076	0.262084	0.2496013	5.569103
3640	486363.09	3850877.25	0.53341	0.13712	0.18061	0.1905	0.70408	0.088	0.13822	0.13712	5.47327071	0.061710261	4.582E-06	0.009868	0.324687	0.012174	0.238638	0.22719948	5.893154
3641	486863.09	3850877.25	0.42552	0.12614	0.17053	0.15111	1.05413	0.11757	0.12753	0.12614	4.36622139	0.05676876	4.326E-06	0.007828	0.486112	0.016265	0.220182	0.20900629	4.944375
3642	487363.09	3850877.25	0.23	0.11811	0.13147	0.10064	0.37562	0.11715	0.11945	0.11811	2.36000874	0.053154893	3.335E-06	0.005213	0.173217	0.016207	0.206232	0.19570107	2.618335
3643	487863.09	3850877.25	0.18434	0.11205	0.12552	0.09286	0.68137	0.11446	0.11336	0.11205	1.8914957	0.050427616	3.184E-06	0.00481	0.314214	0.015835	0.195717	0.18566002	2.286843
3644	488363.09	3850877.25	0.20022	0.10708	0.12332	0.08378	1.04248	0.11441	0.1083	0.10708	2.05443891	0.048190889	3.128E-06	0.00434	0.48074	0.015828	0.186981	0.17742503	2.613097

3645	488863.09	3850877.25	0.19443	0.10263	0.14168	0.10786	0.35841	0.09898	0.10377	0.10263	1.99502826	0.046188186	3.594E-06	0.005587	0.165281	0.013693	0.17916	0.17005165	2.23489
3646	489363.09	3850877.25	0.14877	0.09837	0.11644	0.12177	0.51555	0.07448	0.09939	0.09837	1.52651522	0.044270992	2.954E-06	0.006308	0.237746	0.010304	0.171598	0.16299309	1.833752
3647	489863.09	3850877.25	0.15985	0.09383	0.1505	0.1109	0.61558	0.07227	0.09468	0.09383	1.64020608	0.042227784	3.818E-06	0.005745	0.283875	0.009998	0.163466	0.15547059	1.990051
3648	490363.09	3850877.25	0.16972	0.08893	0.09526	0.09425	0.31208	0.06877	0.0897	0.08893	1.74148123	0.040022561	2.417E-06	0.004882	0.143916	0.009514	0.154868	0.14735159	1.947335
3649	490863.09	3850877.25	0.17824	0.0837	0.09803	0.09947	0.39406	0.0622	0.08435	0.0837	1.82890417	0.037668822	2.487E-06	0.005153	0.181721	0.008605	0.145631	0.1386858	2.068999
3650	491363.09	3850877.25	0.11296	0.07411	0.1087	0.10411	0.55291	0.06178	0.07501	0.07411	1.15907212	0.033352884	2.757E-06	0.005393	0.254975	0.008547	0.129506	0.12279575	1.468052
3651	491863.09	3850877.25	0.11967	0.06943	0.13019	0.09938	0.28055	0.05952	0.07012	0.06943	1.22792281	0.03124667	3.303E-06	0.005148	0.129376	0.008234	0.121063	0.11504128	1.407952
3652	492363.09	3850877.25	0.12681	0.06824	0.11881	0.09848	0.32442	0.05803	0.0689	0.06824	1.30118569	0.030711116	3.014E-06	0.005101	0.149606	0.008028	0.118957	0.11306952	1.500523
3653	492863.09	3850877.25	0.1093	0.0671	0.08914	0.08781	0.27676	0.05746	0.06774	0.0671	1.1215172	0.030198064	2.261E-06	0.004549	0.127628	0.007949	0.116954	0.11118061	1.297617
3654	493363.09	3850877.25	0.11763	0.066	0.06391	0.08381	0.22005	0.05658	0.06662	0.066	1.20699056	0.029703014	1.621E-06	0.004341	0.101476	0.007828	0.11502	0.10935798	1.356002
3655	493863.09	3850877.25	0.12325	0.06496	0.06415	0.0698	0.19253	0.05553	0.06556	0.06496	1.26465686	0.029234966	1.627E-06	0.003616	0.088785	0.007682	0.11319	0.10763476	1.399532
3656	494363.09	3850877.25	0.1276	0.06394	0.06574	0.06907	0.19644	0.05489	0.06453	0.06394	1.30929181	0.02877592	1.668E-06	0.003578	0.090588	0.007594	0.111412	0.10594468	1.445296
3657	494863.09	3850877.25	0.1318	0.06298	0.08977	0.08851	0.33497	0.06899	0.06355	0.06298	1.35238762	0.028343876	2.277E-06	0.004585	0.154472	0.009544	0.10972	0.10435402	1.5547
3658	495363.09	3850877.25	0.13611	0.06205	0.11219	0.11797	0.28928	0.10181	0.0626	0.06205	1.39661213	0.027925333	2.846E-06	0.006111	0.133402	0.014085	0.10808	0.10281307	1.583404
3659	495863.09	3850877.25	0.13987	0.06112	0.11634	0.0953	0.43747	0.0688	0.06167	0.06112	1.43519314	0.027506791	2.951E-06	0.004937	0.201739	0.009518	0.106474	0.10127211	1.684099
3660	496363.09	3850877.25	0.14172	0.06272	0.10113	0.10399	0.45563	0.07624	0.06314	0.06272	1.45417582	0.028226864	2.565E-06	0.005387	0.210114	0.010547	0.109012	0.10392322	1.713542
3661	496863.09	3850877.25	0.14014	0.06697	0.07589	0.12233	0.34088	0.08313	0.06745	0.06697	1.43796359	0.030139558	1.925E-06	0.006337	0.157197	0.011501	0.116453	0.11096521	1.648627
3662	497363.09	3850877.25	0.13441	0.06612	0.0745	0.09368	0.28486	0.08594	0.06658	0.06612	1.37916859	0.029757019	1.89E-06	0.004853	0.131363	0.011889	0.114951	0.10955681	1.562427
3663	497863.09	3850877.25	0.12539	0.06263	0.07771	0.09258	0.32928	0.08026	0.0631	0.06263	1.2866152	0.02818636	1.971E-06	0.004796	0.151848	0.011104	0.108943	0.10377409	1.487719
3664	498363.09	3850877.25	0.11512	0.05691	0.07998	0.09436	0.27339	0.0723	0.0574	0.05691	1.18123568	0.025612099	2.029E-06	0.004888	0.126074	0.010002	0.099102	0.0942964	1.352619
3665	471363.09	3851377.25	0.20642	0.11952	0.16471	0.21466	0.46378	0.15002	0.12036	0.11952	2.11805654	0.053789458	4.178E-06	0.01112	0.213872	0.020755	0.207803	0.19803736	2.427362
3666	471863.09	3851377.25	0.23386	0.13365	0.17833	0.24329	0.47972	0.16582	0.13472	0.13365	2.39961585	0.060148603	4.524E-06	0.012603	0.221223	0.02294	0.232595	0.2214499	2.727681
3667	472363.09	3851377.25	0.24683	0.14628	0.19103	0.18586	0.56018	0.14707	0.14741	0.14628	2.53269982	0.065832679	4.846E-06	0.009628	0.258327	0.020346	0.254505	0.24237704	2.898967
3668	472863.09	3851377.25	0.25039	0.15189	0.2013	0.17555	0.54891	0.15384	0.15307	0.15189	2.56922865	0.068357436	5.107E-06	0.009094	0.25313	0.021283	0.264277	0.25167247	2.933702
3669	473363.09	3851377.25	0.23932	0.13322	0.20593	0.15585	0.50292	0.16048	0.13437	0.13322	2.4556404	0.059955083	5.224E-06	0.008073	0.231922	0.022202	0.231991	0.22073742	2.789051
3670	473863.09	3851377.25	0.23092	0.1593	0.20281	0.15135	0.66539	0.16641	0.16072	0.1593	2.36944878	0.071692274	5.145E-06	0.00784	0.306845	0.023022	0.277485	0.26395039	2.792388
3671	474363.09	3851377.25	0.29037	0.18319	0.25531	0.16259	0.65452	0.17073	0.18474	0.18319	2.97945973	0.082443865	6.477E-06	0.008422	0.301832	0.02362	0.318955	0.30353466	3.411205
3672	474863.09	3851377.25	0.34241	0.22392	0.31197	0.17288	0.4819	0.2142	0.22594	0.22392	3.51343736	0.100774225	7.914E-06	0.008955	0.222228	0.029634	0.390088	0.37102179	3.894103
3673	475363.09	3851377.25	0.38036	0.31346	0.48488	0.19723	0.37793	0.24833	0.24669	0.31346	3.90283881	0.141071313	1.23E-05	0.010217	0.174283	0.034355	0.425913	0.51938411	4.169306
3674	475863.09	3851377.25	0.39509	0.30754	0.59868	0.26605	0.25059	0.26814	0.26282	0.30754	4.05398197	0.138407043	1.519E-05	0.013782	0.11556	0.037096	0.453761	0.50957504	4.303028
3675	476363.09	3851377.25	0.48357	0.32439	0.65166	0.2757	0.54291	0.32325	0.32814	0.32439	4.96186708	0.145990312	1.653E-05	0.014282	0.250363	0.04472	0.566537	0.53749446	5.446281
3676	476863.09	3851377.25	0.55506	0.41254	0.7424	0.26539	0.8501	0.30565	0.4174	0.41254	5.69541936	0.185661837	1.883E-05	0.013748	0.392024	0.042285	0.720645	0.68355364	6.366248
3677	477363.09	3851377.25	0.5719	0.48621	1.1712	0.29244	0.77464	0.33046	0.38609	0.48621	5.86821304	0.218816701	2.971E-05	0.015149	0.357226	0.045718	0.666588	0.80562034	6.366119
3678	477863.09	3851377.25	0.55367	0.3974	1.05967	0.41615	0.64742	0.36401	0.37719	0.3974	5.6811567	0.178848146	2.688E-05	0.021557	0.298558	0.050359	0.651222	0.65846758	6.223261
3679	478363.09	3851377.25	0.49052	0.42741	0.46331	0.48987	0.9522	0.3714	0.43152	0.42741	5.03318038	0.192354016	1.175E-05	0.025376	0.439107	0.051381	0.745024	0.70819232	5.778242
3680	478863.09	3851377.25	0.44812	0.50222	0.83857	0.59149	1.07655	0.39734	0.51088	0.50222	4.5981179	0.226021932	2.127E-05	0.03064	0.496451	0.05497	0.882039	0.83214793	5.456114
3681	479363.09	3851377.25	0.4552	0.63184	0.73056	0.50306	0.86414	0.30429	0.63902	0.63184	4.67076513	0.284356851	1.853E-05	0.026059	0.398498	0.042097	1.103275	1.04692037	5.478149
3682	479863.09	3851377.25	0.50485	0.8836	0.36156	0.34508	0.50307	0.49567	0.8931	0.8836	5.18021919	0.397660347	9.172E-06	0.017876	0.231991	0.068574	1.541946	1.46407135	5.974204
3683	480363.09	3851377.25	0.7176	1.56155	0.17654	0.64849	0.64571	0.55166	1.59598	1.56155	7.36322728	0.702768804	4.478E-06	0.033593	0.297769	0.076319	2.755476	2.58739318	8.641765
3684	480863.09	3851377.25	1.18579	3.01023	0.40119	0.37955	0.81935	0.44869	3.06012	3.01023	12.1672816	1.354740953	1.018E-05	0.019661	0.377844	0.062074	5.283328	4.98776764	14.27717
3685	481363.09	3851377.25	0.79064	1.62907	0.91776	0.36377	0.54619	0.3822	1.38828	1.62907	8.11268397	0.733155887	2.328E-05	0.018844	0.251876	0.052876	2.396879	2.6992697	8.867068
3686	481863.09	3851377.25	0.74067	0.83233	0.60755	0.47199	0.35878	0.33749	0.90007	0.83233	7.59994641	0.374586506	1.541E-05	0.02445	0.165452	0.04669	1.55398	1.37912008	8.386
3687	482363.09	3851377.25	0.9847	0.64787	0.34639	0.48701	1.51561	0.32138	0.60077	0.64787	10.1039157	0.291571083	8.787E-06	0.025228	0.698924	0.044461	1.037235	1.0734811	11.12786
3688	482863.09	3851377.25	1.00768	0.4274	0.26193	0.33758	1.59369	0.23405	0.48823	0.4274	10.3397113	0.192349516	6.645E-06	0.017487	0.734931	0.03238	0.842934	0.70817575	11.45162
3689	483363.09	3851377.25	0.67188	0.31737	0.15224	0.19218	0.337	0.17834	0.32937	0.31737	6.89409858	0.142830992	3.862E-06	0.009955	0.155408	0.024672	0.568661	0.52586275	7.269767
3690	483863.09	3851377.25	0.50345	0.24101	0.15166	0.15857	0.24773	0.16713	0.28759	0.24101	5.16585392	0.108465505	3.847E-06	0.008214	0.114241	0.023122	0.496527	0.39933888	5.517088
3691	484363.09	3851377.25	0.58326	0.27316	0.24509	0.24707	1.49125	0.23385	0.30742	0.27316	5.98477695	0.122934473	6.217E-06	0.012799	0.68769	0.032352	0.530764	0.45260947	6.918713
3692	484863.09	3851377.25	0.41382	0.18615	0.12372	0.14163	0.67383	0.17155	0.18745	0.18615	4.24616877	0.083776	3.139E-06	0.007337	0.310737	0.023733	0.323634	0.3084392	4.68695
3693	485363.09	3851377.25	0.63611	0.23131	0.20081	0.1923	0.99998	0.18689	0.23296	0.23131	6.52706592	0.104100062	5.094E-06	0.009961	0.461141	0.025855	0.402208	0.38326657	7.14707
3694	485863.09	3851377.25	0.56334	0.19644	0.19182	0.19544	1.27687	0.11833	0.19791	0.19644	5.78037967	0.08840697	4.866E-06	0.010124	0.588829	0.01637	0.341694	0.32548911	6.50032
3695	486363.09	3851377.25	0.62528	0.18959	0.16578	0.21876	0.77497	0.10174	0.19124	0.18959	6.41594029	0.085324157	4.205E-06	0.011332	0.357378	0.014075	0.330178	0.31413907	6.900092
3696	486863.09	3851377.25	0.51064	0.17109	0.17667	0.17412	1.46564	0.12379	0.17245	0.17109	5.23962984	0.076998312	4.482E-06	0.00902	0.67588	0.017126	0.297737	0.2834857	6.032909
3697	487363.09	3851377.25	0.26837	0.16086	0.15391	0.10803	0.37435	0.11837	0.16236	0.16086	2.75371977	0.072394345	3.904E-06	0.005596	0.172632	0.016376	0.280316	0.26653522	3.034503
3698	487863.09	3851377.25	0.1865	0.15162	0.13116	0.1091	0.73677	0.12217	0.15309	0.15162	1.91365926	0.068235923	3.327E-06	0.005652	0.339762	0.016902	0.264311	0.2512251	2.3573
3699	488363.09	3851377.25	0.20406	0.14184	0.16402	0.09362	1.0355	0.12131	0.14326	0.14184	2.0938408	0.063834477	4.161E-06	0.00485	0.477521	0.016783	0.24734	0.23502024	2.669153
3700	488863.09	3851377.25	0.195	0.13235	0.19826	0.11041	0.40547	0.10152	0.13376	0.13235	2.00087698	0.059563543	5.029E-06	0.005719	0.186983	0.014045	0.230938	0.21929588	2.278834
3701	489363.09	3851377.25	0.16571	0.12358	0.12763	0.12559	0.61585	0.07551	0.12486	0.12358	1.70033499	0.055616643	3.238E-06	0.006506	0.283999	0.010446	0.215572	0.20476453	2.067714

3702	489863.09	3851377.25	0.17527	0.11558	0.13116	0.11018	0.56286	0.07732	0.1167	0.11558	1.79842927	0.052016278	3.327E-06	0.005707	0.259563	0.010697	0.201484	0.19150902	2.136391
3703	490363.09	3851377.25	0.18388	0.10829	0.13831	0.09614	0.29937	0.07053	0.10925	0.10829	1.88677568	0.048735445	3.509E-06	0.00498	0.138055	0.009757	0.188621	0.17942993	2.097498
3704	490863.09	3851377.25	0.18984	0.09955	0.14276	0.12109	0.53129	0.05985	0.10035	0.09955	1.94793069	0.044802046	3.622E-06	0.006273	0.245005	0.00828	0.173255	0.16494828	2.260601
3705	491363.09	3851377.25	0.18869	0.09032	0.12353	0.10903	0.54139	0.0586	0.09099	0.09032	1.93613065	0.040648124	3.134E-06	0.005648	0.249662	0.008107	0.157095	0.14965474	2.247639
3706	491863.09	3851377.25	0.12567	0.0664	0.09062	0.11861	0.33668	0.05825	0.06723	0.0664	1.28948826	0.029883032	2.299E-06	0.006144	0.15526	0.008059	0.116073	0.11002075	1.494889
3707	492363.09	3851377.25	0.13221	0.05984	0.09782	0.09706	0.31997	0.05724	0.06027	0.05984	1.35659459	0.026930732	2.481E-06	0.005028	0.147554	0.007919	0.104057	0.09915123	1.548934
3708	492863.09	3851377.25	0.13611	0.058	0.06707	0.08637	0.3668	0.05602	0.05848	0.058	1.39661213	0.026102648	1.701E-06	0.004474	0.16915	0.00775	0.100966	0.09610246	1.608954
3709	493363.09	3851377.25	0.12819	0.05726	0.06212	0.08317	0.18502	0.05539	0.05772	0.05726	1.31534574	0.025769615	1.576E-06	0.004308	0.085322	0.007663	0.099654	0.09487633	1.443188
3710	493863.09	3851377.25	0.13238	0.05658	0.09101	0.07289	0.2049	0.05532	0.05704	0.05658	1.35833894	0.025463584	2.309E-06	0.003776	0.09449	0.007653	0.09848	0.09374961	1.494454
3711	494363.09	3851377.25	0.13679	0.0582	0.11827	0.0852	0.34204	0.05533	0.05865	0.0582	1.40358955	0.026192658	3E-06	0.004413	0.157732	0.007655	0.10126	0.09643385	1.604411
3712	494863.09	3851377.25	0.14065	0.05818	0.12102	0.11943	0.35324	0.07985	0.05864	0.05818	1.44319665	0.026183657	3.07E-06	0.006187	0.162897	0.011047	0.101243	0.09640071	1.654355
3713	495363.09	3851377.25	0.14242	0.06613	0.10229	0.10987	0.47488	0.0928	0.06643	0.06613	1.46135846	0.02976152	2.595E-06	0.005691	0.218991	0.012838	0.114692	0.10957338	1.733762
3714	495863.09	3851377.25	0.14895	0.06657	0.0835	0.12988	0.44162	0.07944	0.06699	0.06657	1.52836218	0.02995954	2.118E-06	0.006728	0.203653	0.01099	0.115659	0.11030243	1.785052
3715	496363.09	3851377.25	0.15869	0.06596	0.08567	0.15004	0.29225	0.08621	0.06636	0.06596	1.62830342	0.029685012	2.173E-06	0.007772	0.134771	0.011927	0.114571	0.1092917	1.81774
3716	496863.09	3851377.25	0.16804	0.065	0.08675	0.09739	0.36447	0.08643	0.0655	0.065	1.72424291	0.029252968	2.201E-06	0.005045	0.168075	0.011957	0.113086	0.10770104	1.943961
3717	497363.09	3851377.25	0.17684	0.06303	0.08722	0.11851	0.34684	0.07816	0.06355	0.06303	1.8145389	0.028366378	2.213E-06	0.006139	0.159945	0.010813	0.10972	0.10443687	2.025088
3718	497863.09	3851377.25	0.1074	0.06138	0.08743	0.10716	0.27088	0.07086	0.0619	0.06138	1.10202147	0.027623803	2.218E-06	0.005551	0.124916	0.009803	0.106871	0.10170292	1.275086
3719	498363.09	3851377.25	0.10591	0.05091	0.08758	0.08341	0.36561	0.06835	0.05135	0.05091	1.08673272	0.022911825	2.222E-06	0.004321	0.168601	0.009456	0.088656	0.08435477	1.296326
3720	471363.09	3851877.25	0.35657	0.11642	0.19205	0.22901	0.38718	0.18778	0.11754	0.11642	3.65873181	0.052394316	4.872E-06	0.011863	0.178548	0.025978	0.202934	0.19290084	3.937554
3721	471863.09	3851877.25	0.31849	0.11729	0.17198	0.2365	0.42583	0.18362	0.11832	0.11729	3.26799645	0.052785856	4.363E-06	0.012251	0.196372	0.025403	0.204281	0.19434238	3.564751
3722	472363.09	3851877.25	0.28494	0.11943	0.16409	0.31835	0.49041	0.20655	0.13977	0.11943	2.923743	0.053748953	4.163E-06	0.016491	0.226153	0.028575	0.241314	0.19788823	3.292141
3723	472863.09	3851877.25	0.24937	0.12227	0.17999	0.33914	0.49972	0.21447	0.16205	0.12227	2.55876252	0.055027083	4.566E-06	0.017568	0.230446	0.029671	0.279781	0.20259394	2.968666
3724	473363.09	3851877.25	0.25565	0.1235	0.19311	0.28291	0.51666	0.18523	0.1375	0.1235	2.62320102	0.055580639	4.899E-06	0.014655	0.238258	0.025626	0.237395	0.20463197	2.990088
3725	473863.09	3851877.25	0.26242	0.13899	0.20773	0.23334	0.59564	0.16404	0.14028	0.13899	2.69266737	0.062551847	5.27E-06	0.012087	0.27468	0.022694	0.242195	0.23029796	3.076582
3726	474363.09	3851877.25	0.26769	0.14885	0.2197	0.20102	0.55578	0.16563	0.15012	0.14885	2.74674235	0.066989297	5.573E-06	0.010413	0.256298	0.022914	0.259184	0.24663538	3.115911
3727	474863.09	3851877.25	0.26126	0.17075	0.24362	0.1789	0.72287	0.17253	0.17192	0.17075	2.68076471	0.076845297	6.18E-06	0.009267	0.333352	0.023869	0.296822	0.28292234	3.138003
3728	475363.09	3851877.25	0.31749	0.19865	0.2989	0.16485	0.7529	0.194	0.20039	0.19865	3.25773555	0.089401571	7.582E-06	0.008539	0.3472	0.026839	0.345975	0.32915094	3.746548
3729	475863.09	3851877.25	0.37868	0.23858	0.35442	0.1777	0.5922	0.22308	0.21724	0.23858	3.88560048	0.107371894	8.991E-06	0.009205	0.273093	0.030862	0.375067	0.39531252	4.285896
3730	476363.09	3851877.25	0.42192	0.29903	0.45651	0.2078	0.45592	0.22195	0.23066	0.29903	4.32928212	0.134577154	1.158E-05	0.010764	0.210248	0.030706	0.398237	0.49547448	4.618351
3731	476863.09	3851877.25	0.47084	0.30209	0.56899	0.27137	0.28021	0.25559	0.30514	0.30209	4.83124572	0.135954294	1.443E-05	0.014057	0.129219	0.03536	0.526827	0.50054472	5.172133
3732	477363.09	3851877.25	0.56691	0.37141	0.64609	0.27575	0.64774	0.31527	0.37574	0.37141	5.81701111	0.167151459	1.639E-05	0.014284	0.298706	0.043616	0.648719	0.61540373	6.3741
3733	477863.09	3851877.25	0.62243	0.43973	0.92391	0.2813	1.01778	0.27761	0.33383	0.43973	6.3866967	0.197898579	2.344E-05	0.014572	0.46935	0.038406	0.576361	0.72860581	6.954701
3734	478363.09	3851877.25	0.63862	0.45961	1.16365	0.35543	1.04939	0.34702	0.31038	0.45961	6.5528208	0.206845487	2.952E-05	0.018412	0.483927	0.048009	0.535874	0.76154576	7.084371
3735	478863.09	3851877.25	0.59519	0.37564	0.74512	0.50142	0.89318	0.38863	0.38154	0.37564	6.10718958	0.169055153	1.89E-05	0.025974	0.41189	0.053765	0.658733	0.62241259	6.804213
3736	479363.09	3851877.25	0.48344	0.44474	0.8284	0.57628	1.17264	0.42978	0.45252	0.44474	4.96053316	0.200153308	2.101E-05	0.029852	0.540763	0.059458	0.78128	0.73690707	5.835154
3737	479863.09	3851877.25	0.46134	0.50928	0.92345	0.70805	1.12817	0.44167	0.517	0.50928	4.7337671	0.229199255	2.343E-05	0.036678	0.520256	0.061103	0.892606	0.84384592	5.629786
3738	480363.09	3851877.25	0.56347	0.60972	0.41398	0.35985	0.72293	0.61947	0.61734	0.60972	5.78171359	0.274401841	1.05E-05	0.018641	0.333379	0.085701	1.065844	1.01026888	6.549422
3739	480863.09	3851877.25	0.78177	0.84695	0.19687	0.72988	0.6288	0.56593	0.85931	0.84695	8.02166972	0.381166174	4.994E-06	0.037809	0.289971	0.078294	1.483607	1.40334453	8.889178
3740	481363.09	3851877.25	0.96955	1.60336	0.94317	0.44138	0.91236	0.50281	1.62293	1.60336	9.94846294	0.721585213	2.393E-05	0.022864	0.420735	0.069561	2.802005	2.6566698	11.32857
3741	481863.09	3851877.25	0.91129	1.64129	0.67575	0.39826	0.66602	0.39903	1.65853	1.64129	9.35066246	0.738655445	1.714E-05	0.02063	0.307135	0.055204	2.863469	2.7195175	10.61626
3742	482363.09	3851877.25	1.00758	0.83783	0.61108	0.58682	0.37457	0.35834	0.84156	0.83783	10.3386853	0.377061757	1.55E-05	0.030398	0.172733	0.049575	1.452962	1.38823325	11.0332
3743	482863.09	3851877.25	1.08033	0.50671	0.31389	0.35052	1.50631	0.21779	0.51081	0.50671	11.0851663	0.228042637	7.963E-06	0.018157	0.694635	0.03013	0.881919	0.83958759	12.09847
3744	483363.09	3851877.25	0.91818	0.50575	0.23363	0.3298	1.5945	0.20621	0.50911	0.50575	9.42136012	0.227610594	5.927E-06	0.017084	0.735304	0.028528	0.878984	0.83799693	10.47088
3745	483863.09	3851877.25	0.75164	0.41539	0.22729	0.3022	0.27762	0.21619	0.41981	0.41539	7.71250857	0.186944468	5.766E-06	0.015654	0.128025	0.029909	0.724806	0.68827591	8.109577
3746	484363.09	3851877.25	0.69204	0.34411	0.29813	0.34559	1.35649	0.26943	0.39195	0.34411	7.10095848	0.154865213	7.563E-06	0.017902	0.625546	0.037274	0.676706	0.5701693	8.04309
3747	484863.09	3851877.25	0.60529	0.31002	0.1921	0.23424	1.3941	0.26067	0.31986	0.31002	6.21082475	0.139523156	4.873E-06	0.012134	0.64289	0.036062	0.552242	0.51368424	7.079996
3748	485363.09	3851877.25	0.68735	0.30386	0.19902	0.21902	0.81571	0.23735	0.31029	0.30386	7.05283482	0.136750875	5.049E-06	0.011346	0.376165	0.032836	0.535719	0.5034775	7.642179
3749	485863.09	3851877.25	0.70481	0.27648	0.22826	0.23926	1.37612	0.18118	0.27922	0.27648	7.23199027	0.124428625	5.79E-06	0.012394	0.634598	0.025065	0.482076	0.45811051	8.052448
3750	486363.09	3851877.25	0.67564	0.21428	0.16984	0.2294	0.88145	0.11987	0.2162	0.21428	6.93267959	0.096435784	4.308E-06	0.011883	0.406481	0.016583	0.373271	0.3550489	7.48229
3751	486863.09	3851877.25	0.58823	0.17631	0.16407	0.19941	1.73106	0.12816	0.17741	0.17631	6.03577366	0.079347551	4.162E-06	0.01033	0.798279	0.01773	0.3063	0.29213492	6.95563
3752	487363.09	3851877.25	0.39282	0.17551	0.18011	0.1471	0.52705	0.11969	0.17666	0.17551	4.03068971	0.078987514	4.569E-06	0.00762	0.243049	0.016559	0.305005	0.29080937	4.391106
3753	487863.09	3851877.25	0.18787	0.17293	0.18524	0.10811	0.78948	0.12525	0.17431	0.17293	1.92771671	0.077826396	4.699E-06	0.0056	0.364069	0.017328	0.300948	0.28653447	2.406958
3754	488363.09	3851877.25	0.20665	0.16984	0.20345	0.09392	1.01283	0.11656	0.17126	0.16984	2.12041655	0.076435755	5.161E-06	0.004865	0.467067	0.016126	0.295682	0.28141453	2.699183
3755	488863.09	3851877.25	0.19371	0.16443	0.14343	0.11285	0.44016	0.10405	0.16574	0.16443	1.98764041	0.074001008	3.639E-06	0.005846	0.20298	0.014395	0.286152	0.27245049	2.298567
3756	489363.09	3851877.25	0.17959	0.15432	0.15378	0.12955	0.68468	0.07501	0.15545	0.15432	1.84275639	0.069451047	3.901E-06	0.006711	0.31574	0.010377	0.268386	0.25569883	2.257727
3757	489863.09	3851877.25	0.18814	0.13305	0.1504	0.10863	0.46143	0.07303	0.13402	0.13305	1.93048715	0.059878575	3.815E-06	0.005627	0.212789	0.010103	0.231387	0.22045574	2.22982
3758	490363.09	3851877.25	0.19337	0.11932	0.1221	0.0975	0.44678	0.06474	0.12046	0.11932	1.9841517	0.053699448	3.097E-06	0.005051	0.206033	0.008956	0.207975	0.19770597	2.268164

3759	490863.09	3851877.25	0.19024	0.11238	0.13243	0.12714	0.60077	0.06179	0.11321	0.11238	1.95203506	0.050576132	3.359E-06	0.006586	0.277045	0.008548	0.195458	0.18620681	2.304046
3760	491363.09	3851877.25	0.17741	0.10704	0.13237	0.10843	0.68028	0.06049	0.10784	0.10704	1.82038761	0.048172888	3.358E-06	0.005617	0.313711	0.008368	0.186187	0.17735876	2.205089
3761	491863.09	3851877.25	0.16123	0.0982	0.09937	0.13701	0.68313	0.06046	0.0989	0.0982	1.65436613	0.044194484	2.521E-06	0.007097	0.315026	0.008364	0.170752	0.16271141	2.037091
3762	492363.09	3851877.25	0.13648	0.09102	0.08987	0.10087	0.48398	0.05826	0.09174	0.09102	1.40040867	0.040963156	2.28E-06	0.005225	0.223188	0.00806	0.15839	0.15081459	1.685422
3763	492863.09	3851877.25	0.13736	0.05906	0.09552	0.08653	0.36773	0.05603	0.05952	0.05906	1.40943826	0.026579697	2.423E-06	0.004482	0.169579	0.007751	0.102762	0.09785882	1.622736
3764	493363.09	3851877.25	0.13749	0.06715	0.12653	0.10488	0.42874	0.05603	0.06762	0.06715	1.41077218	0.030220566	3.21E-06	0.005433	0.197714	0.007751	0.116747	0.11126346	1.657377
3765	493863.09	3851877.25	0.18558	0.09157	0.12854	0.11759	0.34985	0.07453	0.09231	0.09157	1.90421923	0.041210681	3.261E-06	0.006091	0.161333	0.010311	0.159374	0.15172591	2.130817
3766	494363.09	3851877.25	0.16083	0.08479	0.10108	0.12472	0.41817	0.0682	0.08542	0.08479	1.65026177	0.038159372	2.564E-06	0.006461	0.192839	0.009435	0.147478	0.14049186	1.904145
3767	494863.09	3851877.25	0.1708	0.08536	0.09423	0.14985	0.49716	0.10503	0.08608	0.08536	1.75256301	0.038415898	2.39E-06	0.007762	0.229266	0.01453	0.148618	0.14143632	2.049721
3768	495363.09	3851877.25	0.1801	0.0825	0.10448	0.14191	0.41085	0.09662	0.08319	0.0825	1.84798945	0.037128767	2.65E-06	0.007351	0.189464	0.013367	0.143628	0.13669747	2.102233
3769	495863.09	3851877.25	0.18876	0.07886	0.10016	0.17033	0.38493	0.08916	0.07954	0.07886	1.93684891	0.035490601	2.541E-06	0.008823	0.177511	0.012335	0.137327	0.13066621	2.177671
3770	496363.09	3851877.25	0.19646	0.07427	0.09139	0.10767	0.41327	0.08577	0.0749	0.07427	2.0158579	0.033424891	2.318E-06	0.005577	0.19058	0.011866	0.129316	0.12306086	2.263563
3771	496863.09	3851877.25	0.20338	0.06967	0.09098	0.1337	0.32268	0.07575	0.07025	0.06967	2.08686338	0.031354681	2.308E-06	0.006926	0.148804	0.01048	0.121287	0.11543894	2.290278
3772	497363.09	3851877.25	0.20949	0.06496	0.09089	0.13187	0.41611	0.07005	0.06546	0.06496	2.14955753	0.029234966	2.306E-06	0.006831	0.191889	0.009691	0.113017	0.10763476	2.392589
3773	497863.09	3851877.25	0.11844	0.06042	0.09087	0.08729	0.46463	0.06886	0.06088	0.06042	1.21530189	0.027191759	2.305E-06	0.004522	0.214264	0.009526	0.10511	0.10011226	1.475806
3774	498363.09	3851877.25	0.11903	0.05615	0.09048	0.12657	0.63795	0.06847	0.05658	0.05615	1.22135583	0.025270064	2.295E-06	0.006557	0.294191	0.009472	0.097686	0.09303713	1.561497
3775	471363.09	3852377.25	0.4786	0.1058	0.22365	0.21264	0.73919	0.1871	0.09718	0.1058	4.91087037	0.047614831	5.674E-06	0.011015	0.340878	0.025884	0.167782	0.17530415	5.328746
3776	471863.09	3852377.25	0.45478	0.1129	0.22663	0.22649	0.67578	0.18151	0.11406	0.1129	4.66645555	0.050810155	5.749E-06	0.011732	0.311636	0.025111	0.196926	0.18706842	5.075608
3777	472363.09	3852377.25	0.42723	0.11519	0.22475	0.23205	0.57084	0.1799	0.1164	0.11519	4.38376754	0.05184076	5.701E-06	0.012021	0.263243	0.024888	0.200966	0.19086281	4.745869
3778	472863.09	3852377.25	0.39702	0.11674	0.21803	0.2652	0.44236	0.20283	0.11795	0.11674	4.07378553	0.052538331	5.531E-06	0.013738	0.203994	0.028061	0.203642	0.19343106	4.382333
3779	473363.09	3852377.25	0.36304	0.11725	0.25821	0.31421	0.51467	0.22016	0.12943	0.11725	3.72511989	0.052767854	6.55E-06	0.016277	0.23734	0.030458	0.223462	0.1942761	4.091155
3780	473863.09	3852377.25	0.32577	0.12455	0.24122	0.33921	0.54033	0.22702	0.14673	0.12455	3.34269586	0.056053187	6.119E-06	0.017572	0.249173	0.031407	0.253331	0.20637176	3.743866
3781	474363.09	3852377.25	0.28703	0.122	0.21357	0.3574	0.53678	0.22938	0.16323	0.122	2.9451883	0.054905571	5.418E-06	0.018514	0.247536	0.031734	0.281818	0.20214656	3.377555
3782	474863.09	3852377.25	0.28939	0.14494	0.21158	0.3804	0.68143	0.24041	0.19972	0.14494	2.96940404	0.065229618	5.367E-06	0.019705	0.314242	0.03326	0.344819	0.24015675	3.506507
3783	475363.09	3852377.25	0.29373	0.15746	0.22824	0.35804	0.70687	0.24008	0.2003	0.15746	3.01393638	0.07086419	5.79E-06	0.018547	0.325973	0.033214	0.34582	0.26090162	3.547459
3784	475863.09	3852377.25	0.28848	0.17317	0.24152	0.31144	0.72215	0.22079	0.18655	0.17317	2.96006662	0.077934407	6.127E-06	0.016133	0.33302	0.030545	0.32208	0.28693214	3.452853
3785	476363.09	3852377.25	0.36118	0.14981	0.24803	0.24166	0.85638	0.18507	0.15235	0.14981	3.7060346	0.067421341	6.292E-06	0.012518	0.39492	0.025604	0.263034	0.24822604	4.221312
3786	476863.09	3852377.25	0.43638	0.22793	0.32121	0.17868	0.72358	0.18779	0.18485	0.22793	4.47765485	0.102578908	8.148E-06	0.009256	0.333679	0.02598	0.319145	0.37766612	4.890636
3787	477363.09	3852377.25	0.47747	0.26448	0.39112	0.21356	0.53686	0.19796	0.22966	0.26448	4.89927554	0.119028077	9.922E-06	0.011063	0.247573	0.027387	0.39651	0.43822724	5.262619
3788	477863.09	3852377.25	0.56536	0.29719	0.3316	0.21559	0.27805	0.18521	0.30023	0.29719	5.80110671	0.13374907	8.412E-06	0.011168	0.128223	0.025623	0.51835	0.49242572	6.125802
3789	478363.09	3852377.25	0.62812	0.17454	0.3503	0.2368	0.56627	0.17598	0.26167	0.17454	6.44508127	0.07855097	8.886E-06	0.012267	0.261136	0.024346	0.451776	0.28920214	6.983963
3790	478863.09	3852377.25	0.71161	0.29916	0.51581	0.31413	1.19594	0.20584	0.23519	0.29916	7.30176444	0.13463566	1.308E-05	0.016272	0.551508	0.028477	0.406058	0.49568989	7.943039
3791	479363.09	3852377.25	0.70636	0.28172	0.6854	0.38915	1.09311	0.30216	0.28734	0.28172	7.24789468	0.126786864	1.739E-05	0.020159	0.504088	0.041802	0.496095	0.46679287	7.97005
3792	479863.09	3852377.25	0.62895	0.32539	0.62295	0.55548	1.30312	0.41609	0.35753	0.32539	6.45359782	0.146440358	1.58E-05	0.028775	0.600934	0.057564	0.617279	0.5391514	7.365455
3793	480363.09	3852377.25	0.48013	0.47304	1.17945	0.75258	1.35994	0.53257	0.52791	0.47304	4.92656955	0.2128896	2.992E-05	0.038985	0.627137	0.073678	0.911442	0.78379845	6.006933
3794	480863.09	3852377.25	0.63019	0.53896	0.48683	0.72128	1.05999	0.74511	0.54477	0.53896	6.46632135	0.24255661	1.235E-05	0.037363	0.488815	0.103082	0.940551	0.89302387	7.385678
3795	481363.09	3852377.25	0.87167	0.78023	0.24888	0.80616	0.62947	0.58003	0.7883	0.78023	8.94412531	0.351139127	6.314E-06	0.04176	0.29028	0.080244	1.361008	1.29279356	9.77577
3796	481863.09	3852377.25	1.05692	1.94481	1.21569	0.57212	1.00077	0.56959	1.97506	1.94481	10.8449584	0.875253304	3.084E-05	0.029637	0.461505	0.0788	3.409961	3.22243164	12.47771
3797	482363.09	3852377.25	0.79832	1.48735	0.87647	0.46428	0.82521	0.76025	1.50057	1.48735	8.19148774	0.669375416	2.223E-05	0.02405	0.380546	0.105177	2.590749	2.4644483	9.49696
3798	482863.09	3852377.25	1.22	0.80184	2.27281	0.59665	0.59976	0.52873	0.81244	0.80184	12.5183072	0.360864614	5.766E-05	0.030907	0.27658	0.073147	1.402686	1.32860001	13.33395
3799	483363.09	3852377.25	1.1044	0.76702	0.35484	0.46576	2.09608	0.33552	0.77249	0.76702	11.3321463	0.345194024	9.002E-06	0.024127	0.966608	0.046418	1.333712	1.27090539	12.77731
3800	483863.09	3852377.25	0.85877	0.51498	0.35045	0.36768	1.49625	0.22094	0.5164	0.51498	8.8117596	0.231764515	8.89E-06	0.019046	0.689996	0.030566	0.89157	0.85329047	9.821421
3801	484363.09	3852377.25	0.79384	0.49276	0.34801	0.41956	0.36914	0.26407	0.49775	0.49276	8.14551887	0.2217645	8.828E-06	0.021734	0.170229	0.036533	0.85937	0.81647329	8.638685
3802	484863.09	3852377.25	0.70408	0.44056	0.33524	0.37026	2.59258	0.28102	0.44419	0.44056	7.22449981	0.198272117	8.504E-06	0.01918	1.195569	0.038878	0.766899	0.72998107	8.713325
3803	485363.09	3852377.25	0.75713	0.36083	0.24037	0.32999	2.10026	0.31849	0.36452	0.36083	7.76884095	0.162389976	6.098E-06	0.017094	0.968536	0.044062	0.629347	0.59787332	8.992402
3804	485863.09	3852377.25	0.77663	0.30185	0.30635	0.28953	1.3004	0.21975	0.30358	0.30185	7.96892865	0.135846283	7.771E-06	0.014998	0.59968	0.030401	0.524134	0.50014705	8.773849
3805	486363.09	3852377.25	0.72729	0.26066	0.2451	0.24452	1.2101	0.13933	0.26198	0.26066	7.46265547	0.117308902	6.218E-06	0.012666	0.558038	0.019276	0.452311	0.43189773	8.190364
3806	486863.09	3852377.25	0.64289	0.23052	0.22946	0.22327	1.58575	0.13288	0.23194	0.23052	6.59663487	0.103744526	5.821E-06	0.011566	0.731269	0.018383	0.400447	0.38195759	7.480093
3807	487363.09	3852377.25	0.41638	0.19504	0.30732	0.16356	0.45014	0.12003	0.19622	0.19504	4.2724367	0.087776906	7.796E-06	0.008473	0.207582	0.016606	0.338776	0.32316939	4.608488
3808	487863.09	3852377.25	0.19034	0.16255	0.17375	0.11134	0.84213	0.12902	0.16442	0.16255	1.95306115	0.073154922	4.408E-06	0.005768	0.388349	0.017849	0.283873	0.26933544	2.452723
3809	488363.09	3852377.25	0.20904	0.15692	0.19782	0.09482	0.9748	0.11501	0.15835	0.15692	2.14494012	0.070621165	5.018E-06	0.004912	0.449529	0.015911	0.273393	0.26000688	2.699305
3810	488863.09	3852377.25	0.19212	0.12755	0.15595	0.11537	0.50951	0.10683	0.1286	0.12755	1.97132556	0.057403324	3.956E-06	0.005976	0.234961	0.014779	0.222029	0.21134258	2.295136
3811	489363.09	3852377.25	0.19221	0.10199	0.12989	0.13391	0.7016	0.07469	0.10265	0.10199	1.97224905	0.045900157	3.295E-06	0.006937	0.323543	0.010333	0.177226	0.16899121	2.3672
3812	489863.09	3852377.25	0.13096	0.08572	0.12796	0.10634	0.34084	0.06835	0.08626	0.08572	1.34376846	0.038577914	3.246E-06	0.005509	0.157178	0.009456	0.148929	0.14203282	1.561389
3813	490363.09	3852377.25	0.13096	0.09688	0.12263	0.09818	0.5947	0.06306	0.09745	0.09688	1.34376846	0.043600424	3.111E-06	0.005086	0.274246	0.008724	0.168248	0.16052426	1.683152
3814	490863.09	3852377.25	0.17469	0.10089	0.10989	0.13061	0.65958	0.06209	0.10149	0.10089	1.79247794	0.045405107	2.788E-06	0.006766	0.304166	0.00859	0.175224	0.16716858	2.165462
3815	491363.09	3852377.25	0.20865	0.14285	0.11618	0.12632	0.74566	0.07469	0.14381	0.14285	2.14093837	0.064289023	2.947E-06	0.006544	0.343861	0.010333	0.248289	0.23669374	2.577564

3816	491863.09	3852377.25	0.21089	0.13863	0.12779	0.13715	0.56547	0.07567	0.1394	0.13863	2.1639228	0.06238983	3.242E-06	0.007105	0.260767	0.010469	0.240676	0.22970146	2.51563
3817	492363.09	3852377.25	0.20351	0.13273	0.13809	0.11689	0.40803	0.07643	0.13358	0.13273	2.0881973	0.059734561	3.503E-06	0.006055	0.188163	0.010574	0.230627	0.21992552	2.363429
3818	492863.09	3852377.25	0.20234	0.13042	0.13374	0.13012	0.45034	0.07825	0.13124	0.13042	2.07619204	0.058694955	3.393E-06	0.00674	0.207674	0.010826	0.226587	0.21609799	2.37062
3819	493363.09	3852377.25	0.20351	0.12696	0.13809	0.13391	0.35705	0.07912	0.12807	0.12696	2.0881973	0.057137797	3.503E-06	0.006937	0.164654	0.010946	0.221114	0.21036498	2.338624
3820	493863.09	3852377.25	0.19364	0.12057	0.13375	0.14783	0.47728	0.10368	0.12161	0.12057	1.98692214	0.054262005	3.393E-06	0.007658	0.220098	0.014344	0.209961	0.19977714	2.293471
3821	494363.09	3852377.25	0.20122	0.11376	0.13206	0.16841	0.50111	0.08919	0.1147	0.11376	2.06469982	0.051197195	3.35E-06	0.008724	0.231087	0.012339	0.198031	0.18849339	2.377588
3822	494863.09	3852377.25	0.20859	0.10911	0.12803	0.17358	0.36533	0.10437	0.11008	0.10911	2.14032271	0.049104482	3.248E-06	0.008992	0.168472	0.014439	0.190054	0.18078862	2.390599
3823	495363.09	3852377.25	0.21527	0.10408	0.14381	0.20571	0.4795	0.10752	0.1051	0.10408	2.20886557	0.046840753	3.648E-06	0.010656	0.221122	0.014875	0.181456	0.17245422	2.511365
3824	495863.09	3852377.25	0.22047	0.09889	0.1123	0.13543	0.41935	0.09791	0.09979	0.09889	2.26222229	0.044505016	2.849E-06	0.007015	0.193383	0.013545	0.172288	0.1638547	2.529108
3825	496363.09	3852377.25	0.22488	0.09354	0.10259	0.1404	0.48402	0.07365	0.0943	0.09354	2.3074729	0.042097271	2.602E-06	0.007273	0.223206	0.010189	0.16281	0.15499008	2.598061
3826	496863.09	3852377.25	0.22864	0.08692	0.09631	0.14509	0.52273	0.07006	0.08763	0.08692	2.34605391	0.039117969	2.443E-06	0.007516	0.241057	0.009692	0.151294	0.14402114	2.650713
3827	497363.09	3852377.25	0.2311	0.07851	0.09338	0.10367	0.68448	0.06969	0.0791	0.07851	2.37129574	0.035333085	2.369E-06	0.00537	0.315648	0.009641	0.136567	0.13008628	2.743772
3828	497863.09	3852377.25	0.12595	0.05989	0.09121	0.14483	0.84247	0.07914	0.06031	0.05989	1.29236131	0.026953235	2.314E-06	0.007502	0.388505	0.010949	0.104126	0.09923408	1.731165
3829	498363.09	3852377.25	0.12609	0.05428	0.0877	0.1479	0.84014	0.09383	0.05471	0.05428	1.29379784	0.024428479	2.225E-06	0.007661	0.387431	0.012981	0.094457	0.08993865	1.73082
3830	471363.09	3852877.25	0.5749	0.10174	0.20748	0.19831	0.9051	0.18948	0.09748	0.10174	5.89899577	0.045787646	5.263E-06	0.010273	0.417387	0.026214	0.1683	0.16857698	6.398385
3831	471863.09	3852877.25	0.55982	0.11119	0.22085	0.21541	0.85159	0.18807	0.10746	0.11119	5.74426128	0.050040577	5.602E-06	0.011159	0.392711	0.026019	0.185531	0.18423505	6.225491
3832	472363.09	3852877.25	0.54179	0.11423	0.22624	0.22734	0.79572	0.19719	0.11141	0.11423	5.55925712	0.051408716	5.739E-06	0.011777	0.366947	0.02728	0.19235	0.18927215	6.019753
3833	472863.09	3852877.25	0.51992	0.11179	0.22943	0.23184	0.80698	0.19472	0.11241	0.11179	5.33485107	0.050310605	5.82E-06	0.01201	0.372139	0.026939	0.194077	0.18522922	5.805103
3834	473363.09	3852877.25	0.4955	0.11107	0.26262	0.25091	0.75775	0.2003	0.11267	0.11107	5.0842797	0.049986572	6.662E-06	0.012997	0.349437	0.027711	0.194526	0.18403622	5.534907
3835	473863.09	3852877.25	0.46985	0.11534	0.33762	0.33465	0.65313	0.23124	0.11869	0.11534	4.82108742	0.051908267	8.565E-06	0.017335	0.301191	0.031991	0.204919	0.19111135	5.23733
3836	474363.09	3852877.25	0.44374	0.13899	0.34017	0.3452	0.51196	0.23604	0.14045	0.13899	4.55317513	0.062551847	8.629E-06	0.017882	0.236091	0.032655	0.242488	0.23029796	4.914553
3837	474863.09	3852877.25	0.40351	0.12383	0.33178	0.34949	0.59201	0.23393	0.13261	0.12383	4.14037882	0.055729154	8.417E-06	0.018104	0.273006	0.032363	0.228953	0.20517876	4.543363
3838	475363.09	3852877.25	0.37349	0.13228	0.31558	0.36591	0.63808	0.24859	0.16059	0.13228	3.83234637	0.05953204	8.006E-06	0.018955	0.294251	0.034391	0.27726	0.2191799	4.297563
3839	475863.09	3852877.25	0.33606	0.15237	0.28387	0.38282	0.6206	0.25185	0.17667	0.15237	3.4482806	0.068573458	7.201E-06	0.019831	0.28619	0.034842	0.305023	0.2524678	3.910279
3840	476363.09	3852877.25	0.31421	0.16555	0.23589	0.3936	0.74644	0.248	0.18715	0.16555	3.22407977	0.074505059	5.984E-06	0.020389	0.344221	0.03431	0.323116	0.27430626	3.746321
3841	476863.09	3852877.25	0.29366	0.21179	0.24928	0.34832	0.60434	0.21984	0.21442	0.21179	3.01321812	0.095315171	6.324E-06	0.018043	0.278692	0.030414	0.370198	0.35092312	3.454964
3842	477363.09	3852877.25	0.34405	0.22554	0.26627	0.26536	0.70255	0.19076	0.22856	0.22554	3.53026525	0.101503299	6.755E-06	0.013746	0.323981	0.026391	0.394611	0.37370603	4.016798
3843	477863.09	3852877.25	0.36261	0.14852	0.26525	0.21266	0.56781	0.1948	0.15009	0.14852	3.7207077	0.066840782	6.729E-06	0.011016	0.261846	0.02695	0.259132	0.24608859	4.10041
3844	478363.09	3852877.25	0.25305	0.12905	0.23346	0.19363	0.36504	0.19429	0.12855	0.12905	2.59652266	0.058078393	5.922E-06	0.01003	0.168338	0.026879	0.221943	0.21382798	2.86797
3845	478863.09	3852877.25	0.34224	0.13539	0.24813	0.21253	0.28369	0.19219	0.13954	0.13539	3.51169301	0.060931682	6.295E-06	0.011009	0.130824	0.026589	0.240917	0.22433298	3.757637
3846	479363.09	3852877.25	0.61175	0.2048	0.32844	0.23207	0.56531	0.18783	0.20657	0.2048	6.27711021	0.092169352	8.332E-06	0.012022	0.260693	0.025985	0.356645	0.33934112	6.685292
3847	479863.09	3852877.25	0.78897	0.35563	0.80256	0.36127	1.42864	0.26406	0.26926	0.35563	8.09554825	0.160049739	2.036E-05	0.018714	0.658818	0.036531	0.46488	0.58925723	8.845305
3848	480363.09	3852877.25	0.71923	0.3723	0.97296	0.55822	1.01072	0.45388	0.37789	0.3723	7.37995256	0.167552	2.468E-05	0.028917	0.466094	0.062792	0.652431	0.61687841	8.140884
3849	480863.09	3852877.25	0.61637	0.58352	1.52639	0.7149	1.48743	0.5229	0.46797	0.58352	6.3245156	0.262610645	3.872E-05	0.037033	0.685929	0.072341	0.807955	0.96685708	7.223565
3850	481363.09	3852877.25	0.71352	0.50522	0.58839	1.08921	1.44417	0.89264	0.713	0.50522	7.32136277	0.227372069	1.493E-05	0.056423	0.66598	0.123492	1.231002	0.83711875	8.788527
3851	481863.09	3852877.25	0.99413	0.80327	0.77798	0.8413	0.83995	0.64744	0.86611	0.80327	10.200676	0.361508179	1.974E-05	0.043581	0.387343	0.08957	1.495348	1.33096943	11.24708
3852	482363.09	3852877.25	1.23416	2.50512	0.76518	0.74836	1.06897	0.64874	2.54005	2.50512	12.6636017	1.127418389	1.941E-05	0.038766	0.492956	0.08975	4.385422	4.15083116	14.6471
3853	482863.09	3852877.25	1.2749	1.26556	2.63541	0.53463	1.02302	0.78801	1.27692	1.26556	13.0816311	0.569559788	6.685E-05	0.027695	0.471766	0.109017	2.204615	2.09695579	14.3674
3854	483363.09	3852877.25	1.21072	1.02136	0.33519	0.66112	0.78437	0.50377	1.03428	1.02136	12.423086	0.459658637	8.503E-06	0.034247	0.361713	0.069694	1.785695	1.69233127	13.44177
3855	483863.09	3852877.25	1.0375	0.34621	0.39711	0.49037	2.42593	0.30799	0.35198	0.34621	10.6456916	0.155810309	1.007E-05	0.025402	1.118718	0.042609	0.607697	0.57364887	12.02229
3856	484363.09	3852877.25	0.91905	0.68075	0.4559	0.48032	1.62902	0.32224	0.68908	0.68075	9.43028711	0.306368584	1.157E-05	0.024881	0.751223	0.04458	1.189704	1.12796126	10.61909
3857	484863.09	3852877.25	0.79261	0.53382	0.31145	0.481	1.69368	0.31856	0.54044	0.53382	8.13289795	0.240243375	7.901E-06	0.024916	0.781041	0.044071	0.933075	0.8845072	9.271746
3858	485363.09	3852877.25	0.76637	0.38812	0.31433	0.25259	1.91727	0.27615	0.39603	0.38812	7.86365174	0.174671722	7.974E-06	0.013085	0.88415	0.038204	0.68375	0.64309118	9.014428
3859	485863.09	3852877.25	0.77236	0.33097	0.27796	0.22345	1.02851	0.21808	0.33615	0.33097	7.92511458	0.148951613	7.051E-06	0.011575	0.474298	0.03017	0.580366	0.54839712	8.622086
3860	486363.09	3852877.25	0.66937	0.29259	0.32885	0.21423	1.49076	0.13766	0.29599	0.29259	6.8683437	0.13167886	8.342E-06	0.011097	0.687465	0.019045	0.51103	0.4848038	7.743863
3861	486863.09	3852877.25	0.60507	0.2441	0.25044	0.22841	0.83371	0.13562	0.24697	0.2441	6.20856735	0.109856146	6.353E-06	0.011832	0.384466	0.018762	0.426396	0.40445882	6.755427
3862	487363.09	3852877.25	0.368	0.18071	0.26819	0.15934	0.40845	0.1213	0.1828	0.18071	3.77601399	0.081327752	6.803E-06	0.008254	0.188357	0.016781	0.315606	0.29942546	4.086921
3863	487863.09	3852877.25	0.19373	0.14531	0.204	0.10275	0.89152	0.12291	0.14636	0.14531	1.98784562	0.065396135	5.175E-06	0.005323	0.411125	0.017004	0.252692	0.24076981	2.498621
3864	488363.09	3852877.25	0.21016	0.13811	0.17178	0.08075	0.47022	0.11347	0.13914	0.13811	2.15643234	0.062155806	4.358E-06	0.004183	0.216842	0.015698	0.240227	0.22883985	2.466702
3865	488863.09	3852877.25	0.19612	0.12933	0.14067	0.11797	0.64134	0.11026	0.13032	0.12933	2.01236919	0.058204405	3.568E-06	0.006111	0.295754	0.015254	0.224999	0.21429193	2.398403
3866	489363.09	3852877.25	0.19746	0.11853	0.11125	0.14014	0.6511	0.07734	0.1195	0.11853	2.02611881	0.053343912	2.822E-06	0.007259	0.300255	0.0107	0.206318	0.19639699	2.407601
3867	489863.09	3852877.25	0.15524	0.10763	0.13175	0.10386	0.50977	0.06935	0.10857	0.10763	1.59290329	0.048438415	3.342E-06	0.00538	0.235081	0.009594	0.187447	0.17833635	1.900511
3868	490363.09	3852877.25	0.21285	0.129	0.14348	0.10122	0.64751	0.08981	0.13019	0.129	2.18403418	0.05805589	3.64E-06	0.005243	0.298599	0.012425	0.224774	0.21374514	2.569391
3869	490863.09	3852877.25	0.23427	0.14217	0.15706	0.1536	0.79526	0.09041	0.14295	0.14217	2.40382282	0.063982992	3.984E-06	0.007957	0.366734	0.012508	0.246805	0.23556702	2.866246
3870	491363.09	3852877.25	0.24137	0.15156	0.21145	0.17029	0.65817	0.1066	0.15307	0.15156	2.47667526	0.068208921	5.364E-06	0.008821	0.303515	0.014748	0.264277	0.25112568	2.885125
3871	491863.09	3852877.25	0.22784	0.1509	0.21546	0.15302	0.43002	0.09994	0.1522	0.1509	2.33784518	0.06791189	5.466E-06	0.007927	0.198304	0.013826	0.262775	0.2500321	2.638562
3872	492363.09	3852877.25	0.28922	0.15083	0.17679	0.13162	0.47317	0.09111	0.15212	0.15083	2.96765969	0.067880387	4.485E-06	0.006818	0.218203	0.012605	0.262637	0.24991612	3.28589

3873	492863.09	3852877.25	0.28389	0.15002	0.15816	0.15438	0.72306	0.08692	0.15127	0.15002	2.91296905	0.06751585	4.012E-06	0.007997	0.333439	0.012025	0.261169	0.248574	3.346546
3874	493363.09	3852877.25	0.26615	0.14734	0.15975	0.14569	1.02153	0.09092	0.14857	0.14734	2.73094055	0.066309728	4.053E-06	0.007547	0.471079	0.012578	0.256508	0.2441334	3.300833
3875	493863.09	3852877.25	0.24048	0.14339	0.13745	0.18424	0.94316	0.14612	0.1446	0.14339	2.46754305	0.064532047	3.487E-06	0.009544	0.434939	0.020215	0.249653	0.23758849	3.008841
3876	494363.09	3852877.25	0.23172	0.13892	0.14062	0.1831	0.58368	0.10489	0.14012	0.13892	2.3776575	0.062520343	3.567E-06	0.009485	0.269164	0.014511	0.241919	0.23018197	2.745078
3877	494863.09	3852877.25	0.23569	0.13407	0.18019	0.20686	0.61859	0.10188	0.13524	0.13407	2.41839331	0.060337622	4.571E-06	0.010716	0.285263	0.014095	0.233493	0.22214582	2.800156
3878	495363.09	3852877.25	0.23833	0.1282	0.13649	0.17333	0.57886	0.11327	0.12929	0.1282	2.4454821	0.057695854	3.462E-06	0.008979	0.266941	0.01567	0.22322	0.21241959	2.805573
3879	495863.09	3852877.25	0.24019	0.12203	0.10747	0.14632	0.59365	0.10695	0.1229	0.12203	2.46456739	0.054919072	2.726E-06	0.00758	0.273762	0.014796	0.212188	0.20219627	2.825619
3880	496363.09	3852877.25	0.24151	0.11576	0.10449	0.15224	0.73573	0.07084	0.11658	0.11576	2.47811179	0.052097286	2.651E-06	0.007886	0.339282	0.0098	0.201277	0.19180726	2.89665
3881	496863.09	3852877.25	0.24151	0.10751	0.10783	0.11786	0.88311	0.08202	0.10827	0.10751	2.47811179	0.048384409	2.735E-06	0.006105	0.407246	0.011347	0.186929	0.17813752	2.95999
3882	497363.09	3852877.25	0.16784	0.08469	0.08516	0.16184	0.85391	0.09732	0.08528	0.08469	1.72219073	0.038114367	2.16E-06	0.008384	0.393781	0.013464	0.147237	0.14032617	2.182846
3883	497863.09	3852877.25	0.12779	0.05523	0.09715	0.13772	0.67959	0.11145	0.05573	0.05523	1.31124138	0.024856022	2.464E-06	0.007134	0.313393	0.015419	0.096218	0.09151274	1.676751
3884	498363.09	3852877.25	0.12581	0.04938	0.10946	0.08776	0.44227	0.12389	0.04981	0.04938	1.29092478	0.022223255	2.777E-06	0.004546	0.203953	0.01714	0.085997	0.08181965	1.542967
3885	471363.09	3853377.25	0.61966	0.0972	0.17868	0.19267	0.922	0.20177	0.09804	0.0972	6.35827399	0.043744438	4.533E-06	0.009981	0.425181	0.027914	0.169267	0.16105448	6.873311
3886	471863.09	3853377.25	0.62112	0.10317	0.18481	0.20159	0.97872	0.20093	0.10501	0.10317	6.37325491	0.046431211	4.688E-06	0.010443	0.451337	0.027798	0.181301	0.1709464	6.919623
3887	472363.09	3853377.25	0.61607	0.10314	0.19489	0.22185	1.01024	0.19959	0.1019	0.10314	6.32143733	0.04641771	4.944E-06	0.011492	0.465873	0.027612	0.175931	0.17089669	6.877872
3888	472863.09	3853377.25	0.60641	0.1146	0.20716	0.23337	1.01091	0.20117	0.10679	0.1146	6.22231696	0.051575233	5.255E-06	0.012089	0.466182	0.027831	0.184374	0.18988522	6.774488
3889	473363.09	3853377.25	0.59149	0.11952	0.21879	0.23724	0.97688	0.20715	0.10784	0.11952	6.06922422	0.053789458	5.55E-06	0.012289	0.450489	0.028658	0.186187	0.19803736	6.602605
3890	473863.09	3853377.25	0.57392	0.11919	0.22697	0.23922	0.90785	0.2105	0.11125	0.11919	5.88894008	0.053640942	5.758E-06	0.012392	0.418655	0.029122	0.192074	0.19749057	6.397339
3891	474363.09	3853377.25	0.55267	0.11364	0.23231	0.26386	0.87159	0.21379	0.11279	0.11364	5.67089579	0.051143189	5.893E-06	0.013668	0.401934	0.029577	0.194733	0.18829455	6.173663
3892	474863.09	3853377.25	0.52374	0.10581	0.25546	0.23821	0.84532	0.19581	0.10755	0.10581	5.37404773	0.047619332	6.48E-06	0.01234	0.38982	0.027089	0.185686	0.17532072	5.861288
3893	475363.09	3853377.25	0.49414	0.12167	0.23142	0.23931	0.74498	0.18478	0.13034	0.12167	5.07032487	0.054757056	5.871E-06	0.012397	0.343548	0.025563	0.225033	0.20159977	5.530029
3894	475863.09	3853377.25	0.46265	0.13139	0.23614	0.24146	0.58821	0.18043	0.13347	0.13139	4.74720889	0.0591315	5.99E-06	0.012508	0.271253	0.024962	0.230437	0.21770522	5.127801
3895	476363.09	3853377.25	0.42705	0.16208	0.24287	0.24396	0.55311	0.17947	0.1642	0.16208	4.38192058	0.072943401	6.161E-06	0.012637	0.255067	0.024829	0.283493	0.26855668	4.76234
3896	476863.09	3853377.25	0.30901	0.15933	0.21388	0.24622	0.58957	0.18312	0.16128	0.15933	3.17072305	0.071705775	5.426E-06	0.012755	0.27188	0.025334	0.278452	0.2640001	3.566854
3897	477363.09	3853377.25	0.28364	0.1468	0.23262	0.23331	0.61698	0.18756	0.14895	0.1468	2.91040382	0.066066703	5.901E-06	0.012086	0.284521	0.025948	0.257164	0.24323865	3.312956
3898	477863.09	3853377.25	0.2844	0.13365	0.2491	0.23883	0.54749	0.19018	0.1355	0.13365	2.91820211	0.060148603	6.319E-06	0.012372	0.252475	0.02631	0.233942	0.2214499	3.282007
3899	478363.09	3853377.25	0.28653	0.13506	0.27322	0.20768	0.59445	0.19685	0.11498	0.13506	2.94005785	0.060783167	6.931E-06	0.010758	0.274131	0.027233	0.198514	0.22378619	3.287698
3900	478863.09	3853377.25	0.28193	0.13865	0.29914	0.21237	0.58926	0.20213	0.12074	0.13865	2.89285767	0.062398831	7.589E-06	0.011001	0.271737	0.027964	0.208459	0.2297346	3.244691
3901	479363.09	3853377.25	0.34285	0.15324	0.28767	0.24375	0.48588	0.20326	0.14319	0.15324	3.51795216	0.068964997	7.298E-06	0.012627	0.224064	0.02812	0.247219	0.25390934	3.845044
3902	479863.09	3853377.25	0.70114	0.19098	0.36015	0.26624	0.38992	0.19926	0.19266	0.19098	7.19433274	0.085949721	9.136E-06	0.013792	0.179812	0.027567	0.332629	0.31644222	7.517649
3903	480363.09	3853377.25	0.86633	0.47254	0.97626	0.29722	1.20494	0.32791	0.23567	0.47254	8.88933206	0.212664577	2.477E-05	0.015396	0.555659	0.045365	0.406887	0.78296998	9.342358
3904	480863.09	3853377.25	0.90205	0.29883	0.92391	0.42204	1.62831	0.32999	0.33631	0.29883	9.25585168	0.134487145	2.344E-05	0.021862	0.750896	0.045653	0.580643	0.4951431	10.29427
3905	481363.09	3853377.25	0.80967	0.64151	1.77193	0.61651	1.49807	0.48005	0.38157	0.64151	8.30794904	0.288708793	4.495E-05	0.031936	0.690836	0.066413	0.658784	1.06294297	8.981728
3906	481863.09	3853377.25	0.83826	0.60643	0.71623	0.97524	1.78532	1.0507	0.77603	0.60643	8.60130838	0.272921191	1.817E-05	0.050519	0.823301	0.145359	1.339824	1.00481755	10.22843
3907	482363.09	3853377.25	1.21538	1.07542	1.45976	1.28858	1.33545	0.86895	1.03493	1.07542	12.4709018	0.483988106	3.703E-05	0.06675	0.615843	0.120215	1.786817	1.78190539	13.76265
3908	482863.09	3853377.25	1.78643	1.98924	2.04767	0.99694	1.10552	0.89696	2.01941	1.98924	18.3303931	0.895248833	5.194E-05	0.051643	0.509811	0.12409	3.486532	3.29604944	20.10172
3909	483363.09	3853377.25	1.40743	1.01604	0.4308	0.89947	1.27756	0.69128	1.0346	1.01604	14.4415091	0.457264395	1.093E-05	0.046594	0.589147	0.095635	1.786247	1.68351635	15.73289
3910	483863.09	3853377.25	1.12542	0.87593	0.53563	0.76775	1.01319	0.53833	0.90095	0.87593	11.5478306	0.394208497	1.359E-05	0.039771	0.467233	0.074475	1.555499	1.45136262	12.62767
3911	484363.09	3853377.25	1.01298	0.74811	0.58908	0.62119	3.02717	0.45466	0.76139	0.74811	10.3940942	0.33668366	1.494E-05	0.032179	1.395981	0.0629	1.314548	1.23957267	12.29683
3912	484863.09	3853377.25	0.89236	0.28665	0.56988	0.5372	1.33801	0.32131	0.30849	0.28665	9.15642348	0.129005589	1.446E-05	0.027828	0.617024	0.044452	0.532611	0.47496158	10.0324
3913	485363.09	3853377.25	0.74196	0.38376	0.29937	0.17141	1.14605	0.26631	0.38912	0.38376	7.61318298	0.172709523	7.594E-06	0.008879	0.528501	0.036843	0.67182	0.63586693	8.396076
3914	485863.09	3853377.25	0.49281	0.31449	0.41148	0.17427	0.63899	0.17387	0.31694	0.31449	5.05667786	0.14153486	1.044E-05	0.009027	0.29467	0.024054	0.5472	0.52109076	5.552084
3915	486363.09	3853377.25	0.51327	0.26213	0.34716	0.19699	1.59598	0.13636	0.2654	0.26213	5.26661603	0.117970469	8.807E-06	0.010204	0.735987	0.018865	0.458216	0.43433343	6.173534
3916	486863.09	3853377.25	0.52448	0.1942	0.25611	0.20925	0.9101	0.14193	0.19518	0.1942	5.38164081	0.087398868	6.497E-06	0.010839	0.419693	0.019635	0.33698	0.32177756	5.934417
3917	487363.09	3853377.25	0.44472	0.23083	0.34206	0.20839	0.62988	0.12694	0.23524	0.23083	4.56323082	0.10388404	8.677E-06	0.010795	0.290469	0.017562	0.406144	0.38247124	5.009622
3918	487863.09	3853377.25	0.25854	0.23635	0.2288	0.16067	0.94921	0.14383	0.2409	0.23635	2.65285504	0.106368292	5.804E-06	0.008323	0.437729	0.019898	0.415916	0.39161754	3.249478
3919	488363.09	3853377.25	0.27253	0.21272	0.26172	0.14633	0.86597	0.13481	0.21801	0.21272	2.79640514	0.095733713	6.639E-06	0.00758	0.399342	0.01865	0.376396	0.35246407	3.341651
3920	488863.09	3853377.25	0.2755	0.17227	0.27428	0.1317	0.76034	0.1184	0.17817	0.17227	2.82688004	0.077529366	6.958E-06	0.006822	0.350631	0.01638	0.307612	0.28544089	3.300421
3921	489363.09	3853377.25	0.27519	0.14943	0.18218	0.14814	0.63253	0.11937	0.15047	0.14943	2.82369916	0.067250323	4.622E-06	0.007674	0.291691	0.016514	0.259788	0.2475964	3.219025
3922	489863.09	3853377.25	0.27131	0.14684	0.21028	0.11248	0.67179	0.09991	0.14787	0.14684	2.78388683	0.066084705	5.334E-06	0.005827	0.309796	0.013822	0.255299	0.24330493	3.191416
3923	490363.09	3853377.25	0.28214	0.15347	0.27772	0.12499	0.82062	0.10668	0.15473	0.15347	2.89501246	0.069068508	7.045E-06	0.006475	0.378429	0.014759	0.267143	0.25429044	3.376603
3924	490863.09	3853377.25	0.29167	0.14609	0.22125	0.15454	0.76021	0.11198	0.14688	0.14609	2.99279891	0.065747171	5.613E-06	0.008005	0.350571	0.015492	0.25359	0.24206223	3.444148
3925	491363.09	3853377.25	0.29466	0.14687	0.20387	0.19421	0.45468	0.11066	0.14781	0.14687	3.02347903	0.066098206	5.172E-06	0.01006	0.209676	0.015309	0.255195	0.24335464	3.336469
3926	491863.09	3853377.25	0.28587	0.13712	0.21544	0.16298	0.49844	0.09973	0.13878	0.13712	2.93328565	0.061710261	5.465E-06	0.008443	0.229856	0.013797	0.239605	0.22719948	3.259503
3927	492363.09	3853377.25	0.26609	0.14034	0.18307	0.16032	0.88655	0.09119	0.14184	0.14034	2.7303249	0.063159408	4.644E-06	0.008305	0.408833	0.012616	0.244888	0.23253483	3.235596
3928	492863.09	3853377.25	0.24781	0.14308	0.17719	0.1649	1.07314	0.09544	0.14443	0.14308	2.54275551	0.064392533	4.495E-06	0.008542	0.494879	0.013204	0.24936	0.23707484	3.136062
3929	493363.09	3853377.25	0.25339	0.14469	0.18841	0.16303	0.87378	0.10119	0.14602	0.14469	2.60001137	0.065117107	4.78E-06	0.008445	0.402944	0.013999	0.252105	0.23974251	3.102884

3930	493863.09	3853377.25	0.25529	0.14563	0.19798	0.20691	0.74226	0.18715	0.14692	0.14563	2.61950709	0.06554015	5.022E-06	0.010718	0.342293	0.025891	0.253659	0.24130003	3.076314
3931	494363.09	3853377.25	0.25023	0.14541	0.18806	0.2122	1.05378	0.10966	0.14672	0.14541	2.5675869	0.06544114	4.771E-06	0.010992	0.485951	0.015171	0.253314	0.24093551	3.157525
3932	494863.09	3853377.25	0.25017	0.14419	0.18153	0.22524	1.19759	0.11025	0.14544	0.14419	2.56697125	0.064892084	4.605E-06	0.011668	0.552269	0.015253	0.251104	0.23891404	3.223247
3933	495363.09	3853377.25	0.24943	0.14231	0.16711	0.17556	0.79167	0.11994	0.14355	0.14231	2.55937818	0.064045998	4.239E-06	0.009094	0.365079	0.016593	0.247841	0.235799	3.026236
3934	495863.09	3853377.25	0.24717	0.13744	0.14209	0.15816	0.92177	0.11369	0.13846	0.13744	2.53618853	0.061854276	3.605E-06	0.008193	0.425075	0.015728	0.239053	0.2277297	3.058365
3935	496363.09	3853377.25	0.2434	0.12852	0.11935	0.15693	0.86231	0.10102	0.12867	0.12852	2.4975049	0.057839868	3.028E-06	0.008129	0.397655	0.013976	0.22215	0.21294981	2.984307
3936	496863.09	3853377.25	0.23819	0.09594	0.1095	0.17916	0.65811	0.11512	0.0966	0.09594	2.44404558	0.043177381	2.778E-06	0.009281	0.303488	0.015926	0.166781	0.15896673	2.823735
3937	497363.09	3853377.25	0.13859	0.06547	0.11937	0.12165	0.40195	0.12784	0.06588	0.06547	1.42205918	0.029464489	3.028E-06	0.006302	0.185359	0.017686	0.113742	0.1084798	1.666136
3938	497863.09	3853377.25	0.12165	0.06225	0.10009	0.06867	0.22415	0.13382	0.06263	0.06225	1.24823941	0.028015342	2.539E-06	0.003557	0.103367	0.018513	0.108131	0.10314446	1.406682
3939	498363.09	3853377.25	0.12345	0.05986	0.07106	0.0661	0.22928	0.12791	0.06024	0.05986	1.26670904	0.026939733	1.803E-06	0.003424	0.105733	0.017696	0.104005	0.09918437	1.425324
3940	471363.09	3853877.25	0.56015	0.09816	0.19091	0.20031	0.58933	0.2308	0.09836	0.09816	5.74764738	0.044176482	4.843E-06	0.010376	0.27177	0.03193	0.16982	0.16264514	6.113079
3941	471863.09	3853877.25	0.59155	0.10242	0.18318	0.20405	0.69359	0.22089	0.10336	0.10242	6.06983988	0.046093677	4.647E-06	0.01057	0.319849	0.030559	0.178452	0.1697037	6.485665
3942	472363.09	3853877.25	0.61548	0.10623	0.176	0.20561	0.80001	0.21327	0.10088	0.10623	6.31538339	0.047808351	4.465E-06	0.010651	0.368925	0.029505	0.17417	0.17601664	6.770431
3943	472863.09	3853877.25	0.63259	0.12122	0.17175	0.2228	0.90346	0.20945	0.10547	0.12122	6.49094752	0.054554535	4.357E-06	0.011541	0.416631	0.028976	0.182095	0.20085415	6.983896
3944	473363.09	3853877.25	0.63792	0.11916	0.17263	0.23198	0.99501	0.20824	0.10588	0.11916	6.54563816	0.053627441	4.379E-06	0.012017	0.458849	0.028809	0.182803	0.19744086	7.084307
3945	473863.09	3853877.25	0.63463	0.1179	0.17997	0.23894	1.06587	0.20906	0.11008	0.1179	6.51187977	0.053060384	4.565E-06	0.012377	0.491526	0.028922	0.190054	0.19535311	7.092472
3946	474363.09	3853877.25	0.62607	0.12091	0.19323	0.24537	1.10578	0.21316	0.11751	0.12091	6.42404641	0.054415021	4.902E-06	0.012711	0.509931	0.02949	0.202882	0.2003405	7.033139
3947	474863.09	3853877.25	0.61221	0.12418	0.20955	0.24659	1.10548	0.21618	0.12274	0.12418	6.28183023	0.05588667	5.316E-06	0.012774	0.509792	0.029907	0.211912	0.20575869	6.896349
3948	475363.09	3853877.25	0.59022	0.12047	0.2241	0.23884	1.05836	0.21337	0.11392	0.12047	6.05619287	0.054217001	5.685E-06	0.012372	0.488063	0.029519	0.196684	0.19961145	6.637442
3949	475863.09	3853877.25	0.56087	0.11163	0.20422	0.21673	0.96319	0.19903	0.09642	0.11163	5.75503523	0.050238597	5.181E-06	0.011227	0.444175	0.027535	0.16647	0.18496411	6.269722
3950	476363.09	3853877.25	0.41418	0.11696	0.19748	0.16722	0.93381	0.18939	0.10272	0.11696	4.2498627	0.052637341	5.01E-06	0.008662	0.430637	0.026201	0.177347	0.19379559	4.751547
3951	476863.09	3853877.25	0.29276	0.12717	0.20421	0.16918	0.42999	0.18322	0.10455	0.12717	3.0039833	0.057232307	5.18E-06	0.008764	0.19829	0.025348	0.180507	0.21071294	3.263416
3952	477363.09	3853877.25	0.3766	0.12542	0.21194	0.17177	0.39327	0.17981	0.10944	0.12542	3.86425779	0.056444727	5.376E-06	0.008898	0.181357	0.024876	0.188949	0.2078133	4.116974
3953	477863.09	3853877.25	0.35682	0.13119	0.2239	0.17435	0.54566	0.18637	0.1139	0.13119	3.66129704	0.05904149	5.68E-06	0.009032	0.251631	0.025783	0.19665	0.21737383	3.986066
3954	478363.09	3853877.25	0.33501	0.13332	0.24163	0.17673	0.65326	0.19304	0.11442	0.13332	3.43750665	0.060000088	6.13E-06	0.009155	0.301251	0.026706	0.197547	0.22090311	3.811269
3955	478863.09	3853877.25	0.30097	0.13536	0.25459	0.17912	0.44646	0.19814	0.11213	0.13536	3.08822535	0.060918181	6.458E-06	0.009279	0.205885	0.027412	0.193594	0.22428327	3.361036
3956	479363.09	3853877.25	0.30752	0.14318	0.26525	0.1836	0.56849	0.20397	0.11864	0.14318	3.1554343	0.064437538	6.729E-06	0.009511	0.262159	0.028218	0.204833	0.23724053	3.48736
3957	479863.09	3853877.25	0.51784	0.15977	0.30881	0.28997	0.89551	0.22911	0.14161	0.15977	5.31350838	0.071903795	7.834E-06	0.015021	0.412965	0.031696	0.244491	0.26472915	5.824864
3958	480363.09	3853877.25	0.80204	0.22384	0.41273	0.44795	0.9262	0.27341	0.22143	0.22384	8.22965831	0.100738221	1.047E-05	0.023204	0.427117	0.037825	0.382301	0.37088924	8.829966
3959	480863.09	3853877.25	0.93343	0.47489	0.93131	0.49641	0.68743	0.4553	0.32646	0.47489	9.57783896	0.213722184	2.363E-05	0.025715	0.317009	0.062989	0.563636	0.78686379	9.974069
3960	481363.09	3853877.25	0.94245	0.73379	1.92254	0.56759	1.46712	0.73497	0.44396	0.73379	9.67039234	0.330239006	4.877E-05	0.029402	0.676563	0.10168	0.766501	1.21584531	10.35898
3961	481863.09	3853877.25	0.8746	0.66001	2.24891	0.54886	1.50817	0.97604	0.50564	0.66001	8.97418977	0.297034637	5.705E-05	0.028432	0.695493	0.13503	0.872993	1.09359634	9.909633
3962	482363.09	3853877.25	1.0535	1.0875	0.86212	0.66598	1.90261	1.388	0.61216	1.0875	10.8098661	0.489424658	2.187E-05	0.034499	0.877389	0.192023	1.0569	1.80192122	11.6582
3963	482863.09	3853877.25	1.69315	2.43653	1.87295	2.08451	1.99597	2.38194	2.22109	2.43653	17.3732557	1.096549757	4.751E-05	0.107981	0.920442	0.32953	3.834734	4.03718171	19.62536
3964	483363.09	3853877.25	1.98147	0.68723	1.21242	2.00921	1.11481	1.96469	0.81354	0.68723	20.3316805	0.30928488	3.076E-05	0.10408	0.514095	0.271805	1.404585	1.13869822	21.79686
3965	483863.09	3853877.25	1.25715	0.74131	1.27559	1.10185	1.58525	0.75978	0.78128	0.74131	12.8995	0.33362335	3.236E-05	0.057077	0.731039	0.105112	1.348888	1.22830549	14.24697
3966	484363.09	3853877.25	1.21672	0.62186	1.06087	0.88301	1.27449	0.54485	0.65331	0.62186	12.4846515	0.279865395	2.691E-05	0.045741	0.587732	0.075377	1.127946	1.03038412	13.57096
3967	484863.09	3853877.25	0.99628	0.66818	0.87466	0.47962	2.69819	0.28898	0.67878	0.66818	10.222737	0.300711511	2.219E-05	0.024845	1.244271	0.039979	1.171921	1.10713354	11.89735
3968	485363.09	3853877.25	0.57818	0.34066	0.51814	0.19023	0.37311	0.24276	0.3504	0.34066	5.93265154	0.153312555	1.314E-05	0.009854	0.17206	0.033585	0.604969	0.56445286	6.341992
3969	485863.09	3853877.25	0.80683	0.18381	0.55776	0.17645	0.80139	0.24011	0.18848	0.18381	8.27880806	0.082722893	1.415E-05	0.00914	0.369561	0.033218	0.325413	0.30456197	8.794315
3970	486363.09	3853877.25	0.69796	0.23507	0.33608	0.20667	1.42918	0.20205	0.24757	0.23507	7.16170305	0.105792234	8.526E-06	0.010706	0.659067	0.027953	0.427432	0.38949666	8.003165
3971	486863.09	3853877.25	0.65557	0.32848	0.37319	0.22949	1.38315	0.15312	0.34131	0.32848	6.72674318	0.147830999	9.467E-06	0.011888	0.63784	0.021183	0.589275	0.54427134	7.590499
3972	487363.09	3853877.25	0.56354	0.29793	0.35063	0.24657	1.01336	0.13562	0.31029	0.29793	5.78243186	0.134082104	8.895E-06	0.012773	0.467311	0.018762	0.535719	0.49365185	6.457436
3973	487863.09	3853877.25	0.3976	0.27024	0.29611	0.19424	1.01319	0.16335	0.27148	0.27024	4.07973685	0.12162034	7.512E-06	0.010062	0.467233	0.022599	0.468713	0.44777121	4.7222
3974	488363.09	3853877.25	0.35064	0.24217	0.35545	0.21152	0.79559	0.16248	0.28625	0.24217	3.59788463	0.108987558	9.017E-06	0.010957	0.366887	0.022478	0.494214	0.40126093	4.200156
3975	488863.09	3853877.25	0.38168	0.26761	0.35873	0.2366	0.93322	0.17329	0.33389	0.26761	3.9163832	0.12043672	9.1E-06	0.012256	0.430355	0.023974	0.576464	0.44341346	4.636465
3976	489363.09	3853877.25	0.34225	0.24348	0.24934	0.20903	0.60724	0.12732	0.29163	0.24348	3.51179562	0.109577118	6.325E-06	0.010828	0.280029	0.017614	0.503502	0.40343152	4.029921
3977	489863.09	3853877.25	0.33516	0.21054	0.24097	0.19995	0.80753	0.12682	0.26183	0.21054	3.43904578	0.094752614	6.113E-06	0.010358	0.372393	0.017545	0.452052	0.34885195	4.0373
3978	490363.09	3853877.25	0.31845	0.17241	0.26874	0.17898	0.86631	0.12595	0.2247	0.17241	3.26758602	0.077592373	6.817E-06	0.009271	0.399499	0.017425	0.387947	0.28567286	3.873654
3979	490863.09	3853877.25	0.33943	0.17849	0.20201	0.18818	0.6369	0.12733	0.19781	0.17849	3.48285986	0.08032865	5.125E-06	0.009748	0.293707	0.017615	0.341521	0.29574705	3.930038
3980	491363.09	3853877.25	0.32916	0.1825	0.26871	0.20454	0.64916	0.12926	0.19048	0.1825	3.37748034	0.082133333	6.817E-06	0.010595	0.29936	0.017882	0.328866	0.30239138	3.813933
3981	491863.09	3853877.25	0.33183	0.17559	0.25092	0.17796	1.03298	0.13096	0.18396	0.17559	3.40487696	0.079023518	6.365E-06	0.009219	0.476359	0.018118	0.317609	0.29094193	4.014269
3982	492363.09	3853877.25	0.34326	0.17451	0.2915	0.1853	1.08191	0.14083	0.17565	0.17451	3.52215913	0.078537468	7.395E-06	0.009599	0.498923	0.019483	0.303262	0.28915243	4.142818
3983	492863.09	3853877.25	0.34443	0.16853	0.27136	0.18835	0.94447	0.14479	0.16969	0.16853	3.5341644	0.075846195	6.884E-06	0.009757	0.435543	0.020031	0.292972	0.27924394	4.089076
3984	493363.09	3853877.25	0.33592	0.15354	0.23619	0.27168	1.32079	0.13904	0.15467	0.15354	3.44684407	0.069100011	5.992E-06	0.014073	0.609083	0.019236	0.267039	0.25440642	4.170975
3985	493863.09	3853877.25	0.32276	0.13462	0.18045	0.21491	1.49662	0.2123	0.13568	0.13462	3.31181053	0.060585147	4.578E-06	0.011133	0.690167	0.029371	0.234253	0.22305714	4.114266
3986	494363.09	3853877.25	0.31211	0.12888	0.16741	0.26212	1.28124	0.13251	0.13016	0.12888	3.20253186	0.058001885	4.247E-06	0.013578	0.590844	0.018332	0.224723	0.2135463	3.894469

3987	494863.09	3853877.25	0.29187	0.13216	0.18529	0.24885	0.95628	0.12826	0.13351	0.13216	2.99485109	0.059478035	4.7E-06	0.012891	0.440989	0.017744	0.230506	0.21898106	3.537483
3988	495363.09	3853877.25	0.24314	0.13192	0.13639	0.16445	0.86468	0.12476	0.13322	0.13192	2.49483707	0.059370024	3.46E-06	0.008519	0.398747	0.01726	0.230006	0.2185834	2.990159
3989	495863.09	3853877.25	0.23528	0.10967	0.11975	0.19545	0.63053	0.12416	0.10941	0.10967	2.41418633	0.049356508	3.038E-06	0.010125	0.290769	0.017177	0.188897	0.18171651	2.788797
3990	496363.09	3853877.25	0.22727	0.08836	0.12929	0.17443	0.49574	0.13196	0.08905	0.08836	2.33199646	0.039766035	3.28E-06	0.009036	0.228611	0.018256	0.153746	0.14640713	2.635007
3991	496863.09	3853877.25	0.18478	0.07019	0.1198	0.13213	0.49009	0.13768	0.07072	0.07019	1.8960105	0.031588705	3.039E-06	0.006845	0.226005	0.019047	0.122099	0.11630055	2.185298
3992	497363.09	3853877.25	0.13479	0.06872	0.11996	0.09747	0.34914	0.12918	0.06918	0.06872	1.38306773	0.030927138	3.043E-06	0.005049	0.161006	0.017871	0.11944	0.11386485	1.6035
3993	497863.09	3853877.25	0.13497	0.06799	0.11962	0.10002	0.31424	0.11294	0.06843	0.06799	1.3849147	0.030598605	3.035E-06	0.005181	0.144912	0.015625	0.118145	0.11265529	1.586724
3994	498363.09	3853877.25	0.13798	0.0669	0.11915	0.15354	0.36674	0.10018	0.06733	0.0669	1.41580003	0.030108055	3.023E-06	0.007954	0.169122	0.013859	0.116246	0.11084922	1.642243
3995	471363.09	3854377.25	0.45938	0.11672	0.20861	0.19793	0.44889	0.28851	0.0987	0.11672	4.71365572	0.05252933	5.292E-06	0.010253	0.207006	0.039914	0.170407	0.19339793	5.000372
3996	471863.09	3854377.25	0.48176	0.11935	0.21145	0.20908	0.59624	0.28093	0.11198	0.11935	4.94329483	0.05371295	5.364E-06	0.010831	0.274956	0.038865	0.193335	0.19775568	5.317244
3997	472363.09	3854377.25	0.50804	0.13393	0.20993	0.21516	0.7124	0.26785	0.12483	0.13393	5.21295148	0.060274616	5.325E-06	0.011146	0.328524	0.037056	0.21552	0.22191385	5.643563
3998	472863.09	3854377.25	0.53842	0.13565	0.20398	0.21821	0.7815	0.25166	0.12262	0.13565	5.52467786	0.061048694	5.175E-06	0.011304	0.360389	0.034816	0.211705	0.22476378	5.979181
3999	473363.09	3854377.25	0.57313	0.14179	0.19419	0.22397	0.822	0.23663	0.11949	0.14179	5.88083396	0.063811974	4.926E-06	0.011602	0.379066	0.032737	0.206301	0.23493739	6.339418
4000	473863.09	3854377.25	0.60741	0.14921	0.18211	0.23541	0.8162	0.24022	0.11943	0.14921	6.23257787	0.067151313	4.62E-06	0.012195	0.376391	0.033233	0.206197	0.24723188	6.680518
4001	474363.09	3854377.25	0.6347	0.14713	0.18222	0.25041	0.83668	0.24814	0.12619	0.14713	6.51259804	0.066215218	4.623E-06	0.012972	0.385835	0.034329	0.217868	0.24378544	6.986037
4002	474863.09	3854377.25	0.64352	0.12443	0.16235	0.23545	0.96265	0.21246	0.11786	0.12443	6.60309924	0.055999182	4.118E-06	0.012197	0.443926	0.029393	0.203486	0.20617293	7.141932
4003	475363.09	3854377.25	0.63587	0.11205	0.15154	0.2037	1.07721	0.20987	0.09993	0.11205	6.5246033	0.050427616	3.844E-06	0.010552	0.496756	0.029034	0.17253	0.18566002	7.098247
4004	475863.09	3854377.25	0.46269	0.10362	0.15794	0.19324	1.10089	0.20425	0.09293	0.10362	4.74761933	0.046633732	4.007E-06	0.01001	0.507676	0.028257	0.160445	0.17169202	5.328953
4005	476363.09	3854377.25	0.32872	0.10894	0.16849	0.18267	1.17025	0.20212	0.09431	0.10894	3.37296554	0.049027974	4.274E-06	0.009463	0.539661	0.027962	0.162827	0.18050694	3.981404
4006	476863.09	3854377.25	0.32831	0.11263	0.18205	0.17432	1.13337	0.18708	0.09431	0.11263	3.36875857	0.050688643	4.618E-06	0.00903	0.522654	0.025882	0.162827	0.18662105	3.953224
4007	477363.09	3854377.25	0.28936	0.11504	0.1958	0.16957	0.98432	0.18539	0.09794	0.11504	2.96909622	0.051773253	4.967E-06	0.008784	0.45392	0.025648	0.169094	0.19061427	3.487706
4008	477863.09	3854377.25	0.28048	0.12509	0.20573	0.16839	0.75216	0.1856	0.1037	0.12509	2.87797936	0.056296212	5.219E-06	0.008723	0.346859	0.025677	0.179039	0.20726651	3.287312
4009	478363.09	3854377.25	0.31213	0.13335	0.20861	0.16982	0.49562	0.18995	0.11022	0.13335	3.20273708	0.060013589	5.292E-06	0.008797	0.228555	0.026279	0.190296	0.22095282	3.49573
4010	478863.09	3854377.25	0.30376	0.13412	0.20721	0.17251	0.44019	0.1967	0.11448	0.13412	3.11685329	0.060360124	5.256E-06	0.008936	0.202994	0.027212	0.197651	0.22222867	3.391783
4011	479363.09	3854377.25	0.38707	0.14222	0.2478	0.23074	0.62233	0.20519	0.14371	0.14222	3.9716895	0.064005494	6.286E-06	0.011953	0.286988	0.028387	0.248117	0.23564987	4.375496
4012	479863.09	3854377.25	0.45816	0.14386	0.2818	0.25669	0.73479	0.21229	0.13698	0.14386	4.70113741	0.064743569	7.149E-06	0.013297	0.338849	0.029369	0.236497	0.23836725	5.145533
4013	480363.09	3854377.25	0.5945	0.15329	0.49887	0.40967	1.03019	0.23773	0.22855	0.15329	6.10010955	0.0689875	1.266E-05	0.021221	0.475072	0.032889	0.394594	0.25399219	6.838894
4014	480863.09	3854377.25	0.83743	0.35172	0.6589	0.6072	1.40977	0.36724	0.38386	0.35172	8.59279183	0.15829006	1.671E-05	0.031454	0.650116	0.050806	0.662738	0.5827786	9.563434
4015	481363.09	3854377.25	0.99417	0.358	0.91619	0.65349	1.40634	0.45351	0.43538	0.358	10.2010865	0.161116347	2.324E-05	0.033852	0.648534	0.062741	0.751688	0.59318418	11.26586
4016	481863.09	3854377.25	0.95683	0.88738	2.06738	0.6425	0.92236	0.72804	0.46581	0.88738	9.8179442	0.39936152	5.244E-05	0.033282	0.425347	0.100721	0.804226	1.47033458	10.1106
4017	482363.09	3854377.25	1.08724	1.07239	3.23153	0.75094	1.6369	1.0704	0.56057	1.07239	11.1560692	0.482624468	8.198E-05	0.0389	0.754857	0.148085	0.96783	1.77688487	11.77156
4018	482863.09	3854377.25	1.5031	3.37822	1.52198	1.03682	1.78625	1.60442	0.78659	3.37822	15.4231702	1.520353257	3.861E-05	0.053709	0.82373	0.221964	1.358056	5.59750464	13.80352
4019	483363.09	3854377.25	1.80708	1.17694	2.61192	1.76826	2.63205	0.94528	2.50683	1.17694	18.5422809	0.529676742	6.626E-05	0.091598	1.213771	0.130775	4.328067	1.95011785	22.88612
4020	483863.09	3854377.25	1.80009	0.38111	1.50372	3.19983	1.71093	1.53113	1.19701	0.38111	18.4705571	0.171516902	3.815E-05	0.165756	0.788996	0.211824	2.06665	0.63147604	21.24386
4021	484363.09	3854377.25	1.625	0.34719	1.4241	1.34728	1.95169	0.73199	0.78652	0.34719	16.6739748	0.156251353	3.613E-05	0.069791	0.900023	0.101267	1.357935	0.57527267	18.68401
4022	484863.09	3854377.25	0.95001	0.32	0.88909	0.46988	0.71844	0.27635	0.34779	0.32	9.74796481	0.144014612	2.255E-05	0.02434	0.331309	0.038232	0.600463	0.5302205	10.35613
4023	485363.09	3854377.25	0.99826	0.52396	0.91337	0.43843	2.35841	0.31124	0.53336	0.52396	10.2430536	0.235805925	2.317E-05	0.022711	1.087582	0.043059	0.920851	0.86816979	11.68492
4024	485863.09	3854377.25	0.90009	0.5033	0.45528	0.28448	0.60916	0.25431	0.51648	0.5033	9.2357403	0.226507982	1.155E-05	0.014736	0.280914	0.035183	0.891708	0.83393742	9.850864
4025	486363.09	3854377.25	0.89999	0.35511	0.4631	0.33342	1.20686	0.24398	0.36586	0.35511	9.23471421	0.159815715	1.175E-05	0.017272	0.556544	0.033753	0.631661	0.58839563	10.04538
4026	486863.09	3854377.25	0.87776	0.17241	0.34839	0.27778	1.79918	0.1886	0.18291	0.17241	9.00661423	0.077592373	8.838E-06	0.014389	0.829693	0.026092	0.315796	0.28567286	9.984512
4027	487363.09	3854377.25	0.77173	0.22626	0.48187	0.29284	2.02805	0.18366	0.24318	0.22626	7.9186502	0.101827332	1.222E-05	0.01517	0.935236	0.025408	0.419853	0.37489903	9.041257
4028	487863.09	3854377.25	0.53941	0.38797	0.45282	0.30048	1.3208	0.23862	0.40599	0.38797	5.53483616	0.174604216	1.149E-05	0.015565	0.609087	0.033012	0.700946	0.64284264	6.42522
4029	488363.09	3854377.25	0.49977	0.36572	0.31051	0.27371	0.71694	0.21158	0.38236	0.36572	5.12809378	0.1645907	7.877E-06	0.014179	0.330617	0.029271	0.660148	0.60597575	5.720932
4030	488863.09	3854377.25	0.50602	0.30855	0.39728	0.25654	1.083	0.22506	0.31081	0.30855	5.19222445	0.138861589	1.008E-05	0.013289	0.499426	0.031136	0.536617	0.51124854	5.900315
4031	489363.09	3854377.25	0.48874	0.26535	0.33721	0.28327	1.28988	0.22281	0.33477	0.26535	5.01491597	0.119419616	8.554E-06	0.014674	0.594829	0.030825	0.577984	0.43966878	5.912986
4032	489863.09	3854377.25	0.46848	0.291	0.35831	0.24899	0.96375	0.21671	0.36308	0.291	4.80702998	0.130963288	9.09E-06	0.012898	0.444434	0.029981	0.626861	0.48216926	5.570007
4033	490363.09	3854377.25	0.4544	0.28014	0.40152	0.24595	1.02575	0.18295	0.35749	0.28014	4.6625564	0.126075792	1.019E-05	0.012741	0.473025	0.02531	0.61721	0.46417491	5.452753
4034	490863.09	3854377.25	0.37422	0.22759	0.25762	0.23643	0.77928	0.17359	0.31598	0.22759	3.83983683	0.102425892	6.535E-06	0.012247	0.359365	0.024015	0.545543	0.37710276	4.506337
4035	491363.09	3854377.25	0.40682	0.20282	0.25825	0.2381	1.13594	0.17512	0.29399	0.20282	4.17434242	0.091278261	6.551E-06	0.012334	0.523839	0.024227	0.507577	0.33606038	4.997544
4036	491863.09	3854377.25	0.41618	0.18531	0.26945	0.23615	1.17414	0.17576	0.26004	0.18531	4.27038451	0.083397962	6.835E-06	0.012233	0.541455	0.024316	0.448962	0.30704738	5.073707
4037	492363.09	3854377.25	0.41195	0.19258	0.30626	0.23303	1.61199	0.19443	0.22936	0.19258	4.22698088	0.086669794	7.769E-06	0.012071	0.74337	0.026898	0.395992	0.31909332	5.172897
4038	492863.09	3854377.25	0.40211	0.18789	0.33756	0.28301	1.87184	0.18064	0.21288	0.18789	4.12601355	0.084559079	8.563E-06	0.01466	0.8632	0.024991	0.367539	0.31132228	5.169649
4039	493363.09	3854377.25	0.38886	0.17597	0.29796	0.29197	1.83926	0.16721	0.19973	0.17597	3.99005652	0.079194535	7.559E-06	0.015124	0.848175	0.023133	0.344836	0.29157156	5.008955
4040	493863.09	3854377.25	0.37384	0.16349	0.22675	0.27859	1.97178	0.21377	0.18257	0.16349	3.83593769	0.073577965	5.752E-06	0.014431	0.909287	0.029574	0.315209	0.27089297	4.90713
4041	494363.09	3854377.25	0.3581	0.15485	0.22927	0.35836	0.86099	0.15997	0.16639	0.15485	3.674431	0.069689571	5.816E-06	0.018564	0.397046	0.022131	0.287274	0.25657701	4.212564
4042	494863.09	3854377.25	0.35266	0.12433	0.16569	0.17136	0.70047	0.13197	0.12712	0.12433	3.61861167	0.055954177	4.203E-06	0.008877	0.323022	0.018257	0.219474	0.20600723	4.038193
4043	495363.09	3854377.25	0.21799	0.10079	0.16283	0.20717	0.52308	0.14355	0.10147	0.10079	2.23677524	0.045360102	4.131E-06	0.010732	0.241219	0.019859	0.175189	0.16700289	2.562135

4044	495863.09	3854377.25	0.18218	0.08884	0.16045	0.15069	0.50575	0.15367	0.08941	0.08884	1.86933214	0.039982057	4.07E-06	0.007806	0.233227	0.021259	0.154367	0.14720247	2.178775
4045	496363.09	3854377.25	0.18298	0.07804	0.15819	0.11961	0.40162	0.13942	0.07867	0.07804	1.87754087	0.035121563	4.013E-06	0.006196	0.185207	0.019288	0.135825	0.12930752	2.129875
4046	496863.09	3854377.25	0.18543	0.06743	0.15603	0.1026	0.42647	0.11136	0.06799	0.06743	1.90268009	0.030346579	3.958E-06	0.005315	0.196667	0.015406	0.117385	0.1117274	2.156076
4047	497363.09	3854377.25	0.18781	0.06273	0.15351	0.16855	0.46659	0.09887	0.06324	0.06273	1.92710105	0.028231364	3.894E-06	0.008731	0.215168	0.013678	0.109185	0.10393979	2.198158
4048	497863.09	3854377.25	0.19012	0.06406	0.15202	0.22814	0.48573	0.0961	0.06456	0.06406	1.95080375	0.028829925	3.856E-06	0.011818	0.223995	0.013295	0.111463	0.10614352	2.234065
4049	498363.09	3854377.25	0.19237	0.06499	0.14986	0.26521	0.48408	0.09472	0.06548	0.06499	1.97389079	0.029248468	3.802E-06	0.013738	0.223234	0.013104	0.113052	0.10768447	2.258586
4050	471363.09	3854877.25	0.46025	0.12922	0.17262	0.18173	0.80063	0.27517	0.11712	0.12922	4.72258271	0.0581549	4.379E-06	0.009414	0.369211	0.038068	0.202209	0.21410966	5.185534
4051	471863.09	3854877.25	0.47726	0.12674	0.18838	0.19237	0.82928	0.29085	0.1172	0.12674	4.89712075	0.057038787	4.779E-06	0.009965	0.382423	0.040238	0.202347	0.21000046	5.379136
4052	472363.09	3854877.25	0.49021	0.12989	0.20206	0.20051	0.81184	0.30172	0.12593	0.12989	5.0299995	0.058456431	5.126E-06	0.010387	0.37438	0.041741	0.217419	0.21521981	5.517169
4053	472863.09	3854877.25	0.4934	0.13067	0.21288	0.20233	0.7247	0.30544	0.12655	0.13067	5.0627318	0.058807467	5.4E-06	0.010481	0.334196	0.042256	0.21849	0.21651223	5.510455
4054	473363.09	3854877.25	0.51505	0.14352	0.22007	0.21525	0.68333	0.30334	0.13256	0.14352	5.28488045	0.064590553	5.583E-06	0.01115	0.315118	0.041966	0.228866	0.23780389	5.708773
4055	473863.09	3854877.25	0.53366	0.15169	0.22273	0.22573	0.60439	0.29335	0.13484	0.15169	5.47583594	0.068267426	5.65E-06	0.011693	0.278715	0.040584	0.232803	0.25134108	5.856562
4056	474363.09	3854877.25	0.55716	0.1582	0.21998	0.26165	0.75884	0.30464	0.13539	0.1582	5.71696726	0.071197224	5.58E-06	0.013554	0.349939	0.042145	0.233752	0.26212776	6.165433
4057	474863.09	3854877.25	0.53212	0.10796	0.21116	0.20377	0.65791	0.25157	0.09436	0.10796	5.46003414	0.04858693	5.357E-06	0.010556	0.303395	0.034803	0.162913	0.17888314	5.841411
4058	475363.09	3854877.25	0.42187	0.10158	0.16481	0.20909	0.40843	0.22576	0.08131	0.10158	4.32876908	0.045715638	4.181E-06	0.010831	0.188348	0.031233	0.140383	0.16831187	4.576971
4059	475863.09	3854877.25	0.43638	0.09487	0.15337	0.21676	0.38854	0.20363	0.08067	0.09487	4.47765485	0.042695832	3.891E-06	0.011228	0.179175	0.028171	0.139278	0.15719381	4.721013
4060	476363.09	3854877.25	0.31279	0.08887	0.13998	0.22065	0.5701	0.18172	0.07905	0.08887	3.20950928	0.039995558	3.551E-06	0.01143	0.262902	0.02514	0.136481	0.14725217	3.538209
4061	476863.09	3854877.25	0.31928	0.09111	0.1359	0.21819	0.78616	0.17636	0.08285	0.09111	3.27610257	0.04100366	3.447E-06	0.011303	0.362538	0.024399	0.143041	0.15096372	3.707426
4062	477363.09	3854877.25	0.31829	0.11055	0.15302	0.20925	1.0101	0.1754	0.0981	0.11055	3.26594427	0.049752548	3.882E-06	0.010839	0.465808	0.024266	0.169371	0.18317461	3.80281
4063	477863.09	3854877.25	0.3123	0.11655	0.17648	0.19656	1.19663	0.18837	0.09932	0.11655	3.20448144	0.052452822	4.477E-06	0.010182	0.551826	0.02606	0.171477	0.19311625	3.823368
4064	478363.09	3854877.25	0.47107	0.12109	0.19228	0.18418	1.28982	0.2089	0.09954	0.12109	4.83360573	0.054496029	4.878E-06	0.009541	0.594801	0.0289	0.171857	0.20063875	5.492567
4065	478863.09	3854877.25	0.46841	0.14249	0.20278	0.17532	1.24293	0.21849	0.12999	0.14249	4.80631172	0.064127006	5.144E-06	0.009082	0.573178	0.030227	0.224429	0.23609725	5.471262
4066	479363.09	3854877.25	0.59078	0.16757	0.22846	0.24951	1.2775	0.22095	0.1559	0.16757	6.06193898	0.075414152	5.796E-06	0.012925	0.58912	0.030567	0.269163	0.27765328	6.76148
4067	479863.09	3854877.25	0.77735	0.18306	0.41651	0.32359	1.49243	0.26154	0.18537	0.18306	7.9763165	0.082385359	1.057E-05	0.016762	0.688235	0.036183	0.320043	0.30331926	8.816616
4068	480363.09	3854877.25	0.93056	0.1625	0.3915	0.3745	0.99101	0.25468	0.21069	0.1625	9.54839015	0.07313242	9.932E-06	0.0194	0.457005	0.035234	0.363758	0.2692526	10.22768
4069	480863.09	3854877.25	1.05817	0.17037	0.31129	0.46955	1.26173	0.32267	0.28155	0.17037	10.8577846	0.076674279	7.897E-06	0.024323	0.581847	0.04464	0.486099	0.28229271	11.78908
4070	481363.09	3854877.25	1.12472	0.3998	0.64232	0.49769	1.38686	0.38414	0.31326	0.3998	11.540648	0.179928256	1.629E-05	0.025781	0.639551	0.053144	0.540847	0.66244423	12.31747
4071	481863.09	3854877.25	1.34489	0.42536	0.56634	0.58098	1.52337	0.39382	0.36097	0.42536	13.799792	0.191431423	1.437E-05	0.030096	0.702503	0.054483	0.623218	0.70479559	14.69674
4072	482363.09	3854877.25	1.32369	0.7429	1.87135	0.5284	1.51166	1.24099	0.34953	0.7429	13.5822607	0.334338922	4.747E-05	0.027372	0.697103	0.171685	0.603467	1.23094002	14.18533
4073	482863.09	3854877.25	1.53471	1.32077	3.94156	0.63843	1.21665	1.86959	0.47295	1.32077	15.7475175	0.594406809	9.999E-05	0.033072	0.561059	0.258649	0.816553	2.18843539	15.82292
4074	483363.09	3854877.25	1.56678	1.56273	17.84058	0.81913	2.18949	1.56343	0.64488	1.56273	16.0765848	0.703299858	0.0004526	0.042432	1.009684	0.216293	1.113392	2.58934836	16.57279
4075	483863.09	3854877.25	1.79295	0.74456	7.4313	1.27638	2.79405	0.83011	1.86544	0.74456	18.3972942	0.335085998	0.0001885	0.066118	1.288477	0.114842	3.220701	1.23369054	22.18902
4076	484363.09	3854877.25	1.8714	0.31177	2.50488	3.21368	3.17514	2.30519	2.9948	0.31177	19.2022624	0.140310736	6.354E-05	0.166473	1.464217	0.318912	5.170553	0.51658389	25.94621
4077	484863.09	3854877.25	1.86256	0.35816	1.82235	3.08554	2.48732	1.30288	1.28811	0.35816	19.111556	0.161188354	4.623E-05	0.159835	1.147029	0.180247	2.223935	0.59344929	22.39039
4078	485363.09	3854877.25	1.48191	0.44096	1.37175	1.40941	2.21487	0.72231	0.90239	0.44096	15.2057415	0.198452135	3.48E-05	0.073009	1.021388	0.099928	1.557985	0.73064384	17.4259
4079	485863.09	3854877.25	1.26689	0.38609	0.98357	0.93714	2.73518	0.50578	0.65809	0.38609	12.9994412	0.17375813	2.495E-05	0.048545	1.261329	0.069972	1.136199	0.6397276	15.04954
4080	486363.09	3854877.25	1.13724	0.5313	0.73112	0.66722	2.2977	0.354	0.53926	0.5313	11.6691145	0.23910926	1.855E-05	0.034563	1.059585	0.048974	0.931038	0.88033172	13.10207
4081	486863.09	3854877.25	1.09137	0.51996	0.91396	0.4648	1.89852	0.26779	0.52457	0.51996	11.1984467	0.234005742	2.319E-05	0.024077	0.875503	0.037047	0.905675	0.86154203	12.41324
4082	487363.09	3854877.25	0.96242	0.33294	0.71948	0.42657	3.62608	0.27179	0.33588	0.33294	9.87530267	0.149838203	1.825E-05	0.022097	1.672168	0.037601	0.5799	0.55166129	11.78526
4083	487863.09	3854877.25	0.67199	0.16562	0.57048	0.37591	1.97604	0.26656	0.21535	0.16562	6.89522728	0.074536563	1.447E-05	0.019473	0.911252	0.036877	0.371804	0.27442225	8.034762
4084	488363.09	3854877.25	0.65998	0.25548	0.55906	0.37396	1.04873	0.23713	0.26237	0.25548	6.77199378	0.114977666	1.418E-05	0.019372	0.483622	0.032806	0.452984	0.42331479	7.452455
4085	488863.09	3854877.25	0.66615	0.35556	0.75267	0.35381	2.69922	0.22933	0.36272	0.35556	6.83530358	0.160018236	1.909E-05	0.018328	1.244746	0.031727	0.62624	0.58914125	8.32724
4086	489363.09	3854877.25	0.61605	0.34625	0.56543	0.35859	1.86157	0.22575	0.35213	0.34625	6.32123211	0.155828311	1.434E-05	0.018575	0.858464	0.031231	0.607956	0.57371515	7.419586
4087	489863.09	3854877.25	0.56861	0.29634	0.42263	0.30826	1.73003	0.20958	0.29929	0.29634	5.83445466	0.133366532	1.072E-05	0.015968	0.797804	0.028994	0.516727	0.49101732	6.836308
4088	490363.09	3854877.25	0.49648	0.23447	0.23162	0.22062	0.99965	0.16902	0.23577	0.23447	5.09433539	0.105522206	5.876E-06	0.011428	0.460989	0.023383	0.407059	0.3885025	5.714221
4089	490863.09	3854877.25	0.45863	0.13731	0.1934	0.1893	1.16366	0.10913	0.14688	0.13731	4.70596004	0.06179577	4.906E-06	0.009806	0.536622	0.015098	0.25359	0.2275143	5.355362
4090	491363.09	3854877.25	0.47452	0.19374	0.19185	0.16481	0.9779	0.13006	0.22691	0.19374	4.86900586	0.087191847	4.867E-06	0.008537	0.450959	0.017993	0.391762	0.32101537	5.504439
4091	491863.09	3854877.25	0.4921	0.29254	0.35683	0.28318	2.17943	0.18332	0.313	0.29254	5.04939262	0.131656358	9.052E-06	0.014669	1.005045	0.025361	0.540398	0.48472095	6.28181
4092	492363.09	3854877.25	0.49201	0.26502	0.34712	0.27719	1.99794	0.18651	0.28294	0.26502	5.04846914	0.119271101	8.806E-06	0.014359	0.921351	0.025803	0.488499	0.43912199	6.178638
4093	492863.09	3854877.25	0.48578	0.23551	0.41536	0.77411	2.0426	0.19415	0.25523	0.23551	4.98454368	0.105990254	1.054E-05	0.0401	0.941946	0.02686	0.440657	0.39022572	6.149881
4094	493363.09	3854877.25	0.4771	0.16963	0.38011	0.24979	1.72385	0.17576	0.22827	0.16963	4.895479	0.076341246	9.643E-06	0.012939	0.794954	0.024316	0.39411	0.28106657	5.917083
4095	493863.09	3854877.25	0.47091	0.17227	0.33683	0.56364	1.1216	0.18665	0.2039	0.17227	4.83196399	0.077529366	8.545E-06	0.029197	0.517226	0.025822	0.352035	0.28544089	5.548342
4096	494363.09	3854877.25	0.4573	0.136	0.17675	0.18808	0.68386	0.14507	0.15348	0.136	4.69231303	0.06120621	4.484E-06	0.009743	0.315362	0.02007	0.264985	0.22534371	5.13834
4097	494863.09	3854877.25	0.22679	0.12555	0.17613	0.2093	0.48345	0.14529	0.12643	0.12555	2.32707123	0.056503233	4.468E-06	0.010842	0.222943	0.0201	0.218283	0.2080287	2.647718
4098	495363.09	3854877.25	0.2276	0.11076	0.1748	0.13719	0.50188	0.1297	0.11157	0.11076	2.33538256	0.049847058	4.434E-06	0.007107	0.231442	0.017943	0.192627	0.18352257	2.65083
4099	495863.09	3854877.25	0.22896	0.08802	0.17301	0.10071	0.53681	0.1091	0.08863	0.08802	2.3493374	0.039613019	4.389E-06	0.005217	0.24755	0.015093	0.153021	0.14584378	2.663992
4100	496363.09	3854877.25	0.23037	0.06853	0.17046	0.18653	0.5428	0.09765	0.06897	0.06853	2.36380528	0.030841629	4.324E-06	0.009663	0.250312	0.013509	0.119077	0.11355003	2.673663

4101	496863.09	3854877.25	0.23177	0.05973	0.16425	0.23778	0.52316	0.09557	0.06012	0.05973	2.37817055	0.026881227	4.167E-06	0.012317	0.241255	0.013222	0.103798	0.09896897	2.676679
4102	497363.09	3854877.25	0.23313	0.05455	0.16213	0.27641	0.48396	0.09477	0.05797	0.05455	2.39212538	0.024549991	4.113E-06	0.014318	0.223178	0.013111	0.100086	0.09038603	2.676987
4103	497863.09	3854877.25	0.23445	0.05432	0.16411	0.26386	0.43226	0.094	0.05745	0.05432	2.40566978	0.02444648	4.163E-06	0.013668	0.199337	0.013004	0.099188	0.09000493	2.665313
4104	498363.09	3854877.25	0.23574	0.05429	0.16173	0.19226	0.38508	0.09322	0.05621	0.05429	2.41890635	0.024432979	4.103E-06	0.009959	0.17758	0.012897	0.097047	0.08995522	2.650871
4105	471363.09	3855377.25	0.48125	0.14805	0.11994	0.17928	0.83661	0.19421	0.14684	0.14805	4.93806177	0.06662926	3.043E-06	0.009287	0.385803	0.026868	0.253521	0.24530983	5.434863
4106	471863.09	3855377.25	0.49907	0.14327	0.12327	0.18113	0.89749	0.21909	0.14071	0.14327	5.12091114	0.064478042	3.127E-06	0.009383	0.413878	0.03031	0.242937	0.23738966	5.644511
4107	472363.09	3855377.25	0.52428	0.13858	0.14253	0.1906	0.98227	0.24334	0.13405	0.13858	5.37958862	0.062367328	3.616E-06	0.009873	0.452974	0.033665	0.231439	0.22961861	5.940292
4108	472863.09	3855377.25	0.54107	0.1345	0.16197	0.193	1.00852	0.26581	0.12705	0.1345	5.55186926	0.060531142	4.109E-06	0.009998	0.465079	0.036774	0.219353	0.2228583	6.12075
4109	473363.09	3855377.25	0.56916	0.13162	0.18074	0.20745	1.07684	0.28674	0.12447	0.13162	5.84009816	0.05923501	4.585E-06	0.010746	0.496585	0.039669	0.214899	0.21808632	6.443151
4110	473863.09	3855377.25	0.59269	0.13867	0.21561	0.21836	1.09704	0.30442	0.13572	0.13867	6.08153731	0.062407832	5.47E-06	0.011311	0.5059	0.042115	0.234322	0.22976774	6.707832
4111	474363.09	3855377.25	0.61494	0.14832	0.22608	0.24343	1.16412	0.31738	0.14387	0.14832	6.3098425	0.066750773	5.735E-06	0.01261	0.536834	0.043908	0.248393	0.2457572	6.972587
4112	474863.09	3855377.25	0.57595	0.12957	0.2244	0.20281	0.89173	0.31844	0.1259	0.12957	5.90976972	0.058312416	5.693E-06	0.010506	0.411222	0.044055	0.217368	0.21468959	6.436548
4113	475363.09	3855377.25	0.22726	0.12136	0.194	0.19762	0.25782	0.30568	0.09844	0.12136	2.33189386	0.054617542	4.921E-06	0.010237	0.118894	0.042289	0.169958	0.20108612	2.526808
4114	475863.09	3855377.25	0.22717	0.11847	0.18898	0.19433	0.26619	0.28803	0.09209	0.11847	2.33097037	0.05331691	4.794E-06	0.010067	0.122754	0.039848	0.158994	0.19629757	2.519657
4115	476363.09	3855377.25	0.24012	0.11475	0.1867	0.19559	0.30216	0.26247	0.08689	0.11475	2.46384913	0.05164274	4.736E-06	0.010132	0.139341	0.036311	0.150016	0.19013376	2.661164
4116	476863.09	3855377.25	0.25909	0.10968	0.17279	0.20254	0.33185	0.23367	0.081	0.10968	2.65849854	0.049361008	4.383E-06	0.010492	0.153033	0.032327	0.139847	0.18173308	2.86183
4117	477363.09	3855377.25	0.28234	0.1032	0.16407	0.2137	0.35966	0.20852	0.08689	0.1032	2.89706464	0.046444712	4.162E-06	0.01107	0.165857	0.028848	0.150016	0.17099611	3.128309
4118	477863.09	3855377.25	0.30488	0.10162	0.15537	0.2249	0.38323	0.19307	0.09585	0.10162	3.1283455	0.04573364	3.941E-06	0.01165	0.176727	0.02671	0.165486	0.16837815	3.386278
4119	478363.09	3855377.25	0.47124	0.11168	0.18609	0.23077	0.53702	0.20124	0.11259	0.11168	4.83535009	0.0502611	4.721E-06	0.011954	0.247647	0.027841	0.194388	0.18504695	5.182398
4120	478863.09	3855377.25	0.48785	0.14899	0.20728	0.22757	0.78736	0.21106	0.15105	0.14899	5.00578376	0.067052303	5.258E-06	0.011788	0.363091	0.029199	0.260789	0.24686735	5.490842
4121	479363.09	3855377.25	0.65109	0.14446	0.22607	0.22231	1.29925	0.25181	0.14699	0.14446	6.68077431	0.065013596	5.735E-06	0.011516	0.59915	0.034837	0.25378	0.23936142	7.405714
4122	479863.09	3855377.25	0.79974	0.16305	0.25749	0.28229	1.47933	0.22624	0.16649	0.16305	8.20605822	0.073379945	6.532E-06	0.014623	0.682194	0.031299	0.287447	0.27016391	9.024843
4123	480363.09	3855377.25	1.10636	0.18848	0.55185	0.35245	2.89761	0.27833	0.17352	0.18848	11.3522577	0.084824606	1.4E-05	0.018257	1.336234	0.038506	0.299584	0.31229987	12.81738
4124	480863.09	3855377.25	1.24824	0.23604	0.94455	0.42952	2.83585	0.31585	0.23375	0.23604	12.8080753	0.106228778	2.396E-05	0.02225	1.307753	0.043696	0.403572	0.39110389	14.3005
4125	481363.09	3855377.25	1.22024	0.27475	1.506	0.42234	2.4361	0.44898	0.25926	0.27475	12.5207699	0.123650046	3.82E-05	0.021878	1.123408	0.062114	0.447615	0.455244	13.84423
4126	481863.09	3855377.25	1.28455	0.41168	1.88243	0.44496	1.58679	0.58563	0.26342	0.41168	13.1806488	0.185274798	4.775E-05	0.02305	0.731749	0.081019	0.454797	0.68212867	13.97446
4127	482363.09	3855377.25	1.54892	0.58339	2.45593	0.45265	1.32998	0.75023	0.31655	0.58339	15.893325	0.262552139	6.23E-05	0.023448	0.613321	0.103791	0.546527	0.96664167	16.47638
4128	482863.09	3855377.25	1.80293	0.75288	2.74385	0.5023	1.59655	1.03783	0.38538	0.75288	18.4996981	0.338830378	6.961E-05	0.02602	0.73625	0.143579	0.665362	1.24747627	19.16233
4129	483363.09	3855377.25	1.58368	1.30185	3.07235	0.5659	1.90624	2.53599	0.4985	1.30185	16.2499941	0.585891945	7.794E-05	0.029314	0.879063	0.350842	0.860665	2.1570861	16.79876
4130	483863.09	3855377.25	1.72559	2.06813	2.92534	0.69292	1.7536	0.94995	0.59269	2.06813	17.7061195	0.930752935	7.421E-05	0.035894	0.808673	0.131421	1.023285	3.42676536	17.20946
4131	484363.09	3855377.25	1.72231	0.60918	3.17979	1.04002	3.08067	0.63363	1.32189	0.60918	17.6724637	0.274158816	8.066E-05	0.053874	1.420652	0.08766	2.282256	1.00937413	20.78177
4132	484863.09	3855377.25	1.91618	0.39195	1.77574	1.76407	4.29393	1.00877	1.14795	0.39195	19.6617459	0.176395397	4.505E-05	0.091381	1.980147	0.139558	1.981947	0.64943726	23.38178
4133	485363.09	3855377.25	1.95647	0.38334	1.5879	4.69289	3.01257	1.90936	1.69188	0.38334	20.0751578	0.172520504	4.028E-05	0.243098	1.389248	0.264151	2.921048	0.63517102	24.43009
4134	485863.09	3855377.25	1.6116	0.38763	1.29231	1.56804	4.05847	1.014	0.96355	0.38763	16.5364786	0.1744512	3.278E-05	0.081227	1.871565	0.140282	1.663579	0.64227928	19.82534
4135	486363.09	3855377.25	1.47548	0.45078	1.12475	1.09073	3.33046	0.65553	0.64292	0.45078	15.1397639	0.202871584	2.853E-05	0.056501	1.535843	0.090689	1.110008	0.74691499	17.38879
4136	486863.09	3855377.25	1.30326	0.4233	0.79912	0.71754	3.10267	0.41018	0.43353	0.4233	13.3726304	0.190504329	2.027E-05	0.03717	1.430797	0.056746	0.748494	0.7013823	15.13498
4137	487363.09	3855377.25	1.12403	0.50672	0.97505	0.58858	5.72547	0.35599	0.51635	0.50672	11.5335679	0.228047138	2.473E-05	0.030489	2.640303	0.049249	0.891484	0.83960416	14.53356
4138	487863.09	3855377.25	0.8906	0.46826	0.91292	0.47087	3.1515	0.30037	0.47376	0.46826	9.13836429	0.210738382	2.316E-05	0.024392	1.453315	0.041555	0.817951	0.77587828	10.91046
4139	488363.09	3855377.25	0.87496	0.2964	1.0156	0.57206	2.85884	0.30049	0.29981	0.2964	8.97788369	0.133393534	2.576E-05	0.029634	1.318355	0.041571	0.517625	0.49111673	10.52737
4140	488863.09	3855377.25	0.817	0.18134	0.88139	0.43444	4.0489	0.28937	0.21087	0.18134	8.38316149	0.08161128	2.236E-05	0.022505	1.867152	0.040033	0.364069	0.30046933	10.45808
4141	489363.09	3855377.25	0.7462	0.24301	0.73405	0.40948	3.38004	0.27321	0.24623	0.24301	7.65668923	0.109365596	1.862E-05	0.021212	1.558707	0.037797	0.425119	0.40265276	9.406255
4142	489863.09	3855377.25	0.74287	0.30415	0.6116	0.39119	2.86925	0.253	0.3075	0.30415	7.62252041	0.136881388	1.551E-05	0.020264	1.323156	0.035001	0.530902	0.50395801	9.164782
4143	490363.09	3855377.25	0.69284	0.30747	0.54355	0.39856	3.13937	0.24579	0.3104	0.30747	7.1091672	0.13837554	1.379E-05	0.020646	1.447722	0.034004	0.535909	0.50945905	8.776378
4144	490863.09	3855377.25	0.52909	0.27838	0.22021	0.22193	1.57208	0.15853	0.27919	0.27838	5.42894359	0.125283711	5.586E-06	0.011496	0.724965	0.021932	0.482024	0.46125869	6.333392
4145	491363.09	3855377.25	0.52773	0.21326	0.20291	0.19552	1.39516	0.11791	0.21447	0.21326	5.41498875	0.095976738	5.147E-06	0.010128	0.643379	0.016312	0.370285	0.35335882	6.197715
4146	491863.09	3855377.25	0.57367	0.25518	0.40103	0.39297	2.22752	0.20312	0.25888	0.25518	5.88637485	0.114842652	1.017E-05	0.020356	1.027222	0.028101	0.446959	0.42281771	7.101048
4147	492363.09	3855377.25	0.58197	0.27867	0.35422	0.5944	2.07541	0.2387	0.28218	0.27867	5.97154038	0.125414225	8.986E-06	0.030791	0.957076	0.033023	0.487187	0.46173921	7.143301
4148	492863.09	3855377.25	0.57281	0.28462	0.3528	0.44873	1.71043	0.22848	0.28787	0.28462	5.87755047	0.128091996	8.95E-06	0.023245	0.788765	0.031609	0.49701	0.47159799	6.874683
4149	493363.09	3855377.25	0.5656	0.22788	0.2465	0.70329	1.83342	0.17187	0.2823	0.22788	5.80356932	0.102556405	6.253E-06	0.036431	0.845482	0.023777	0.487394	0.37758327	6.921634
4150	493863.09	3855377.25	0.54997	0.20053	0.196	0.33481	1.16634	0.17683	0.21366	0.20053	5.64319134	0.090247657	4.972E-06	0.017344	0.537858	0.024464	0.368886	0.33226599	6.349729
4151	494363.09	3855377.25	0.27408	0.15071	0.19252	0.1998	0.66632	0.12882	0.15055	0.15071	2.81230955	0.067826382	4.884E-06	0.01035	0.307274	0.017822	0.259926	0.24971728	3.225795
4152	494863.09	3855377.25	0.26312	0.09999	0.18813	0.11289	0.59971	0.10643	0.09955	0.09999	2.69985	0.045000066	4.772E-06	0.005848	0.276556	0.014724	0.171874	0.16567734	3.04818
4153	495363.09	3855377.25	0.26003	0.07381	0.18248	0.20663	0.5525	0.09891	0.07394	0.07381	2.6681438	0.03321787	4.629E-06	0.010704	0.254786	0.013684	0.127658	0.12229867	2.985899
4154	495863.09	3855377.25	0.26011	0.06526	0.17174	0.2462	0.48689	0.09782	0.06571	0.06526	2.66896467	0.02936998	4.357E-06	0.012754	0.224529	0.013533	0.113449	0.10813184	2.954472
4155	496363.09	3855377.25	0.26079	0.06536	0.16708	0.28854	0.43654	0.09713	0.06581	0.06536	2.67594209	0.029414984	4.238E-06	0.014947	0.201311	0.013437	0.113622	0.10829754	2.94038
4156	496863.09	3855377.25	0.26143	0.06402	0.15997	0.26637	0.42065	0.09643	0.06444	0.06402	2.68250907	0.028811923	4.058E-06	0.013798	0.193983	0.013341	0.111256	0.10607724	2.937626
4157	497363.09	3855377.25	0.26201	0.0678	0.15825	0.18063	0.39376	0.09608	0.0682	0.0678	2.68846039	0.030513096	4.014E-06	0.009357	0.181583	0.013292	0.117748	0.11234047	2.928617

4158	497863.09	3855377.25	0.26249	0.0692	0.15796	0.1215	0.35961	0.09687	0.06963	0.0692	2.69338563	0.03114316	4.007E-06	0.006294	0.165834	0.013401	0.120217	0.11466018	2.915619
4159	498363.09	3855377.25	0.26287	0.06561	0.15418	0.1072	0.34741	0.09634	0.06603	0.06561	2.69728477	0.029527496	3.911E-06	0.005553	0.160208	0.013328	0.114001	0.10871177	2.911195
4160	471363.09	3855877.25	0.43931	0.15362	0.12201	0.22119	0.86938	0.14611	0.15461	0.15362	4.50771931	0.069136015	3.095E-06	0.011458	0.400915	0.020214	0.266936	0.25453898	5.021842
4161	471863.09	3855877.25	0.45548	0.15904	0.13216	0.22206	0.91211	0.14297	0.1599	0.15904	4.67363818	0.071575262	3.353E-06	0.011503	0.42062	0.019779	0.276069	0.26351959	5.209668
4162	472363.09	3855877.25	0.483	0.16011	0.15189	0.23311	0.9909	0.15171	0.1608	0.16011	4.95601836	0.072056811	3.853E-06	0.012075	0.456954	0.020988	0.277623	0.26529251	5.530427
4163	472863.09	3855877.25	0.49866	0.15708	0.15184	0.22621	0.99301	0.17249	0.15729	0.15708	5.11670417	0.070693173	3.852E-06	0.011718	0.457927	0.023863	0.271563	0.26027199	5.6922
4164	473363.09	3855877.25	0.53235	0.15198	0.17013	0.23933	1.06436	0.19941	0.15158	0.15198	5.46239415	0.06839794	4.316E-06	0.012398	0.49083	0.027587	0.261704	0.2518216	6.071494
4165	473863.09	3855877.25	0.56099	0.14606	0.17492	0.24426	1.0881	0.22621	0.14451	0.14606	5.75626654	0.065733669	4.437E-06	0.012653	0.501778	0.031295	0.249498	0.24201252	6.375216
4166	474363.09	3855877.25	0.58838	0.14446	0.18204	0.2439	1.0688	0.25176	0.13724	0.14446	6.0373128	0.065013596	4.618E-06	0.012634	0.492878	0.03483	0.236946	0.23936142	6.640257
4167	474863.09	3855877.25	0.5512	0.13559	0.16861	0.18395	0.78812	0.27361	0.12897	0.13559	5.65581226	0.061021691	4.277E-06	0.009529	0.363442	0.037853	0.222668	0.22466437	6.125665
4168	475363.09	3855877.25	0.30868	0.13189	0.1602	0.20127	0.31397	0.29365	0.12103	0.13189	3.16733695	0.059356522	4.064E-06	0.010426	0.144787	0.040625	0.20896	0.21853369	3.412962
4169	475863.09	3855877.25	0.2106	0.12977	0.16168	0.21152	0.22992	0.31088	0.11345	0.12977	2.16094714	0.058402426	4.101E-06	0.010957	0.106028	0.043009	0.195873	0.21502098	2.360199
4170	476363.09	3855877.25	0.21225	0.12808	0.17348	0.21285	0.23565	0.32345	0.10509	0.12808	2.17787763	0.057641848	4.401E-06	0.011026	0.10867	0.044748	0.181439	0.21222075	2.369186
4171	476863.09	3855877.25	0.21336	0.12627	0.19074	0.20717	0.28916	0.32789	0.10327	0.12627	2.18926724	0.056827266	4.839E-06	0.010732	0.133346	0.045362	0.178297	0.20922169	2.404614
4172	477363.09	3855877.25	0.24096	0.1242	0.19989	0.1989	0.28188	0.32046	0.09844	0.1242	2.47246829	0.055895671	5.071E-06	0.010303	0.129989	0.044334	0.169958	0.20579183	2.677161
4173	477863.09	3855877.25	0.36684	0.12176	0.20424	0.19322	0.28948	0.30048	0.09264	0.12176	3.76411134	0.05479756	5.181E-06	0.010009	0.133494	0.04157	0.159944	0.2017489	3.962182
4174	478363.09	3855877.25	0.38864	0.12325	0.20301	0.19424	0.30671	0.27214	0.12475	0.12325	3.98779912	0.055468128	5.15E-06	0.010062	0.141439	0.037649	0.215382	0.20421774	4.243587
4175	478863.09	3855877.25	0.51382	0.15357	0.20488	0.20357	0.47499	0.24477	0.15579	0.15357	5.27225953	0.069113512	5.197E-06	0.010545	0.219042	0.033863	0.268973	0.25445613	5.619345
4176	479363.09	3855877.25	0.73515	0.177	0.23166	0.21957	0.80346	0.23046	0.18008	0.177	7.5433062	0.079658082	5.877E-06	0.011374	0.370516	0.031883	0.31091	0.29327821	8.054375
4177	479863.09	3855877.25	0.93186	0.1562	0.25963	0.3073	1.05565	0.26664	0.14016	0.1562	9.56172933	0.070297132	6.586E-06	0.015919	0.486813	0.036888	0.241988	0.25881388	10.15483
4178	480363.09	3855877.25	1.11256	0.16425	0.61329	0.36297	1.64066	0.28769	0.19096	0.16425	11.4158753	0.07392	1.556E-05	0.018802	0.756591	0.039801	0.329694	0.27215224	12.36255
4179	480863.09	3855877.25	1.24116	0.22472	0.74836	0.48265	2.20845	0.34102	0.2116	0.22472	12.735428	0.101134261	1.898E-05	0.025002	1.018428	0.047178	0.36533	0.37234734	13.92017
4180	481363.09	3855877.25	1.37049	0.2361	0.81075	0.45208	2.29312	0.343	0.2181	0.2361	14.0624712	0.106255781	2.057E-05	0.023418	1.057473	0.047452	0.376552	0.39120331	15.28244
4181	481863.09	3855877.25	1.25073	0.35424	1.81042	0.44307	3.03743	0.51407	0.24054	0.35424	12.8336249	0.159424175	4.593E-05	0.022952	1.400712	0.071119	0.415295	0.58695409	14.31622
4182	482363.09	3855877.25	1.38963	0.41589	1.463	0.43928	3.00294	0.65739	0.24389	0.41589	14.258865	0.18716949	3.711E-05	0.022755	1.384807	0.090947	0.421079	0.68910438	15.67655
4183	482863.09	3855877.25	1.82447	0.50457	1.97224	0.47949	2.89851	0.82076	0.2692	0.50457	18.720718	0.22707954	5.003E-05	0.024838	1.336649	0.113548	0.464777	0.83604174	20.05162
4184	483363.09	3855877.25	1.83301	0.81731	1.72134	0.52597	2.2416	1.18524	0.37699	0.81731	18.8083462	0.36782682	4.367E-05	0.027246	1.033715	0.163972	0.650877	1.35423286	19.69779
4185	483863.09	3855877.25	1.79011	1.08973	2.91131	0.58828	1.81471	3.48232	0.42911	1.08973	18.3681533	0.490428259	7.385E-05	0.030474	0.836854	0.481762	0.740863	1.80561619	19.14299
4186	484363.09	3855877.25	1.85828	2.91805	4.25141	0.72304	2.4337	0.98272	0.57728	2.91805	19.0676393	1.313255744	0.0001078	0.037454	1.122302	0.135955	0.99668	4.835031	17.83836
4187	484863.09	3855877.25	1.61681	0.74917	4.38918	1.02164	2.8132	0.88322	0.92358	0.74917	16.589938	0.337160709	0.0001113	0.052922	1.297308	0.122189	1.59457	1.24132903	18.75287
4188	485363.09	3855877.25	2.03111	0.47124	5.85862	1.54904	4.4058	0.90426	1.13817	0.47124	20.841032	0.212079518	0.0001486	0.080242	2.031736	0.1251	1.965062	0.78081596	24.47458
4189	485863.09	3855877.25	2.13126	0.36495	3.59943	10.48189	5.56537	2.68725	2.05527	0.36495	21.8686619	0.164244164	9.131E-05	0.542977	2.566472	0.371768	3.548444	0.60469991	28.45796
4190	486363.09	3855877.25	1.77415	0.33156	1.75353	1.71208	6.33663	1.00874	0.80132	0.33156	18.2043892	0.14921714	4.448E-05	0.088688	2.922139	0.139554	1.383487	0.54937471	22.33814
4191	486863.09	3855877.25	1.5994	0.41336	1.06007	0.90376	6.62147	0.61085	0.76633	0.41336	16.4112956	0.186030875	2.689E-05	0.046816	3.053493	0.084508	1.323077	0.68491233	20.42033
4192	487363.09	3855877.25	1.32391	0.36129	1.05901	0.78256	8.87355	0.51333	0.61661	0.36129	13.5845181	0.162596997	2.686E-05	0.040538	4.092041	0.071017	1.064583	0.59863551	18.41669
4193	487863.09	3855877.25	1.04208	0.41164	0.92979	0.70124	7.11725	0.46719	0.4271	0.41164	10.6926866	0.185256796	2.359E-05	0.036325	3.282122	0.064633	0.737392	0.68206239	14.31638
4194	488363.09	3855877.25	0.99783	0.40692	0.95771	0.80528	7.15487	0.41313	0.41403	0.40692	10.2386414	0.183132581	2.43E-05	0.041715	3.299471	0.057155	0.714827	0.67424164	13.86072
4195	488863.09	3855877.25	0.90333	0.3519	0.94761	0.6513	5.24545	0.44336	0.3574	0.3519	9.26898564	0.158371068	2.404E-05	0.033738	2.418941	0.061337	0.617055	0.58307685	11.97537
4196	489363.09	3855877.25	0.84465	0.2359	0.89934	0.49768	4.45391	0.30974	0.24564	0.2359	8.66687558	0.106165772	2.281E-05	0.025781	2.053922	0.042851	0.4241	0.39087192	10.92885
4197	489863.09	3855877.25	0.85421	0.18133	0.83375	0.48342	4.78109	0.33536	0.19762	0.18133	8.76496986	0.08160678	2.115E-05	0.025042	2.204801	0.046395	0.341193	0.30045276	11.16358
4198	490363.09	3855877.25	0.71614	0.22064	0.77497	0.50274	4.25617	0.30426	0.22238	0.22064	7.34824635	0.099298075	1.966E-05	0.026043	1.962734	0.042093	0.383941	0.36558703	9.496788
4199	490863.09	3855877.25	0.57624	0.25934	0.65116	0.61173	3.52478	0.24791	0.26099	0.25934	5.91274538	0.116714842	1.652E-05	0.031688	1.625454	0.034297	0.450602	0.42971057	7.741807
4200	491363.09	3855877.25	0.61352	0.29622	0.54519	0.46292	2.53143	0.22366	0.29739	0.29622	6.29527202	0.133312526	1.383E-05	0.02398	1.16737	0.030942	0.513447	0.49081849	7.673519
4201	491863.09	3855877.25	0.59237	0.2512	0.61585	0.55539	3.17024	0.28347	0.25197	0.2512	6.07825382	0.11305147	1.562E-05	0.02877	1.461957	0.039217	0.435029	0.41622309	7.740071
4202	492363.09	3855877.25	0.62168	0.22296	0.47105	1.46706	2.90824	0.23593	0.22532	0.22296	6.37900102	0.100342181	1.195E-05	0.075996	1.341136	0.03264	0.389017	0.36943113	7.948713
4203	492863.09	3855877.25	0.61924	0.22455	0.44276	1.03992	2.46577	0.20844	0.2224	0.22455	6.35396441	0.101057753	1.123E-05	0.053869	1.137091	0.028837	0.383976	0.37206566	7.68674
4204	493363.09	3855877.25	0.59579	0.16511	0.21785	0.48805	1.5166	0.15791	0.21663	0.16511	6.11334612	0.074307039	5.526E-06	0.025282	0.699381	0.021846	0.374014	0.27357721	7.034604
4205	493863.09	3855877.25	0.58236	0.14394	0.16959	0.2294	1.09211	0.10628	0.14199	0.14394	5.97554214	0.064779573	4.302E-06	0.011883	0.503627	0.014703	0.245147	0.23849981	6.577187
4206	494363.09	3855877.25	0.29303	0.10716	0.16107	0.22177	0.49529	0.10458	0.10468	0.10716	3.00675375	0.048226893	4.086E-06	0.011488	0.228403	0.014468	0.180731	0.17755759	3.312518
4207	494863.09	3855877.25	0.28199	0.07915	0.15217	0.25741	0.46043	0.10463	0.07642	0.07915	2.89347333	0.035621114	3.86E-06	0.013334	0.212327	0.014475	0.13194	0.13114673	3.170028
4208	495363.09	3855877.25	0.27644	0.06211	0.13577	0.30053	0.41406	0.10658	0.05928	0.06211	2.83652529	0.027952336	3.444E-06	0.015568	0.190944	0.014745	0.102348	0.10291248	3.085173
4209	495863.09	3855877.25	0.27573	0.06174	0.12982	0.26709	0.37873	0.10586	0.0589	0.06174	2.82924005	0.027785819	3.293E-06	0.013836	0.174651	0.014645	0.101691	0.10229942	3.059554
4210	496363.09	3855877.25	0.27486	0.06163	0.12456	0.16559	0.36665	0.10363	0.05879	0.06163	2.82031306	0.027736314	3.16E-06	0.008578	0.169081	0.014337	0.101502	0.10211715	3.039432
4211	496863.09	3855877.25	0.27391	0.0629	0.12064	0.11678	0.34919	0.10142	0.06006	0.0629	2.81056519	0.028307872	3.06E-06	0.006049	0.161029	0.014031	0.103694	0.10422147	3.019458
4212	497363.09	3855877.25	0.27284	0.06656	0.12669	0.12514	0.35764	0.0988	0.06687	0.06656	2.79958602	0.029955039	3.214E-06	0.006482	0.164926	0.013668	0.115452	0.11028586	3.019787
4213	497863.09	3855877.25	0.27164	0.07454	0.11833	0.13436	0.3428	0.09753	0.07507	0.07454	2.78727293	0.033546404	3.002E-06	0.00696	0.158082	0.013493	0.129609	0.12350824	3.005458
4214	498363.09	3855877.25	0.27042	0.08297	0.1162	0.14126	0.38362	0.11668	0.08352	0.08297	2.77475463	0.037340289	2.948E-06	0.007317	0.176907	0.016142	0.144198	0.13747623	3.019186

4215	471363.09	3856377.25	0.41734	0.09927	0.12166	0.21144	0.62382	0.18171	0.10031	0.09927
4216	471863.09	3856377.25	0.42816	0.11867	0.12206	0.22032	0.62373	0.17976	0.11981	0.11867
4217	472363.09	3856377.25	0.44443	0.13705	0.13059	0.23787	0.64786	0.18707	0.1383	0.13705
4218	472863.09	3856377.25	0.46318	0.15248	0.13888	0.25894	0.68481	0.19759	0.15382	0.15248
4219	473363.09	3856377.25	0.4812	0.16322	0.14843	0.27552	0.71533	0.20137	0.16454	0.16322
4220	473863.09	3856377.25	0.50524	0.16856	0.18839	0.30195	0.79083	0.21983	0.16987	0.16856
4221	474363.09	3856377.25	0.51751	0.16747	0.18211	0.29392	0.78033	0.19109	0.1685	0.16747
4222	474863.09	3856377.25	0.52052	0.16196	0.18421	0.26987	0.78122	0.17543	0.16253	0.16196
4223	475363.09	3856377.25	0.45703	0.15373	0.15995	0.19771	0.60107	0.20389	0.15346	0.15373
4224	475863.09	3856377.25	0.27535	0.14542	0.12931	0.13595	0.44406	0.2317	0.14409	0.14542
4225	476363.09	3856377.25	0.28982	0.13945	0.14265	0.16487	0.44575	0.25763	0.13646	0.13945
4226	476863.09	3856377.25	0.30326	0.1358	0.16644	0.19273	0.44626	0.28148	0.1301	0.1358
4227	477363.09	3856377.25	0.31522	0.13386	0.1724	0.21408	0.44521	0.30353	0.12403	0.13386
4228	477863.09	3856377.25	0.21224	0.13244	0.17557	0.2243	0.44072	0.32304	0.11676	0.13244
4229	478363.09	3856377.25	0.21256	0.13082	0.18357	0.22243	0.39557	0.33814	0.10801	0.13082
4230	478863.09	3856377.25	0.34416	0.1292	0.21086	0.21202	0.42941	0.34573	0.12711	0.1292
4231	479363.09	3856377.25	0.54168	0.15788	0.2762	0.19933	0.6386	0.34081	0.16019	0.15788
4232	479863.09	3856377.25	0.96135	0.17266	0.2795	0.29092	1.52381	0.38164	0.15537	0.17266
4233	480363.09	3856377.25	1.13869	0.18223	0.44167	0.374	2.46443	0.40513	0.17919	0.18223
4234	480863.09	3856377.25	1.23352	0.17846	0.78668	0.42476	2.94936	0.37108	0.19504	0.17846
4235	481363.09	3856377.25	1.26976	0.24369	1.10007	0.46487	3.12346	0.40778	0.2379	0.24369
4236	481863.09	3856377.25	1.24443	0.31822	1.65745	0.53176	2.97347	0.50342	0.26161	0.31822
4237	482363.09	3856377.25	1.33842	0.35571	1.67228	0.52759	2.84784	0.57187	0.25571	0.35571
4238	482863.09	3856377.25	1.59302	0.41383	2.93508	0.50486	2.82061	0.65328	0.24654	0.41383
4239	483363.09	3856377.25	2.05417	0.52573	2.25254	0.506	2.79791	0.80491	0.26711	0.52573
4240	483863.09	3856377.25	1.86342	0.67835	3.40936	0.55194	3.06429	1.11202	0.2865	0.67835
4241	484363.09	3856377.25	2.06236	1.03035	4.62727	0.60871	3.39754	3.56601	0.457	1.03035
4242	484863.09	3856377.25	1.93212	3.37768	4.69221	0.7065	3.67982	1.08587	0.55735	3.37768
4243	485363.09	3856377.25	1.77645	1.0493	3.66912	0.90601	3.31987	1.13228	0.82437	1.0493
4244	485863.09	3856377.25	2.10444	0.55851	2.43417	1.31322	4.74925	0.81278	1.08505	0.55851
4245	486363.09	3856377.25	2.35965	0.35388	1.51622	5.17865	9.28034	3.75088	2.03447	0.35388
4246	486863.09	3856377.25	1.81622	0.34725	1.23496	1.96073	10.5824	1.08169	0.96302	0.34725
4247	487363.09	3856377.25	1.4989	0.37948	1.06373	1.03703	13.5865	0.76695	0.61955	0.37948
4248	487863.09	3856377.25	1.17661	0.40089	1.05357	0.81097	17.7083	0.74375	0.58652	0.40089
4249	488363.09	3856377.25	1.0481	0.32449	0.95613	1.12775	9.00823	0.53154	0.44028	0.32449
4250	488863.09	3856377.25	0.93963	0.33601	1.0533	1.23051	7.71668	0.49163	0.36215	0.33601
4251	489363.09	3856377.25	0.92308	0.33144	1.57754	0.68314	6.41907	0.50154	0.33788	0.33144
4252	489863.09	3856377.25	0.88785	0.27287	0.68835	0.65831	5.22972	0.44946	0.27736	0.27287
4253	490363.09	3856377.25	0.69311	0.19461	0.64061	0.77003	4.7826	0.35774	0.21887	0.19461
4254	490863.09	3856377.25	0.59807	0.17621	0.60228	0.73756	4.71073	0.36286	0.19565	0.17621
4255	491363.09	3856377.25	0.59036	0.19519	0.73002	0.88384	4.83785	0.32607	0.19623	0.19519
4256	491863.09	3856377.25	0.59432	0.22833	0.71174	0.89644	4.58542	0.31065	0.22924	0.22833
4257	492363.09	3856377.25	0.61938	0.26163	0.44247	1.23981	3.90317	0.2554	0.26209	0.26163
4258	492863.09	3856377.25	0.59387	0.27958	0.31114	1.03125	2.32678	0.19888	0.27968	0.27958
4259	493363.09	3856377.25	0.56316	0.18655	0.18512	0.29317	0.90081	0.11912	0.1914	0.18655
4260	493863.09	3856377.25	0.27995	0.11577	0.16553	0.27672	0.66057	0.11961	0.11417	0.11577
4261	494363.09	3856377.25	0.27344	0.07996	0.11953	0.31037	0.72745	0.11871	0.08019	0.07996
4262	494863.09	3856377.25	0.26845	0.06294	0.10299	0.26587	0.78669	0.11574	0.05928	0.06294
4263	495363.09	3856377.25	0.26532	0.06172	0.09422	0.14722	0.83797	0.11146	0.058	0.06172
4264	495863.09	3856377.25	0.26291	0.06189	0.10938	0.13582	0.88183	0.10595	0.05811	0.06189
4265	496363.09	3856377.25	0.26068	0.06273	0.12856	0.1492	0.91796	0.10268	0.05888	0.06273
4266	496863.09	3856377.25	0.25906	0.06641	0.10202	0.15706	0.94713	0.10235	0.06248	0.06641
4267	497363.09	3856377.25	0.25739	0.07197	0.07805	0.15627	0.96986	0.10227	0.06798	0.07197
4268	497863.09	3856377.25	0.25588	0.08254	0.08213	0.14792	0.98675	0.11756	0.0785	0.08254
4269	498363.09	3856377.25	0.25378	0.09368	0.08385	0.13954	0.99828	0.31022	0.08961	0.09368
4270	471363.09	3856877.25	0.37496	0.09887	0.13446	0.18001	0.65616	0.1879	0.10035	0.09887
4271	471863.09	3856877.25	0.384	0.09798	0.13703	0.17906	0.67737	0.18415	0.09941	0.09798

4.28228717	0.044676033	3.086E-06	0.010953	0.287675	0.025139	0.173186	0.16448434	4.659435
4.39331019	0.053406919	3.096E-06	0.011413	0.287633	0.024869	0.206853	0.19662896	4.78086
4.56025515	0.061678758	3.313E-06	0.012322	0.298761	0.02588	0.238776	0.2270835	4.970593
4.75264717	0.068622963	3.523E-06	0.013413	0.3158	0.027336	0.265572	0.25265007	5.190745
4.93754873	0.073456453	3.765E-06	0.014272	0.329875	0.027859	0.28408	0.27044559	5.396649
5.18422094	0.075859697	4.779E-06	0.015641	0.364692	0.030412	0.293282	0.27929365	5.684819
5.31012228	0.075369147	4.62E-06	0.015225	0.359849	0.026436	0.290917	0.27748758	5.800437
5.34100761	0.072889395	4.673E-06	0.01398	0.36026	0.02427	0.28061	0.26835785	5.824663
4.68954259	0.06918552	4.058E-06	0.010242	0.277184	0.028207	0.26495	0.25472124	5.084594
2.8253409	0.06544564	3.28E-06	0.007042	0.204778	0.032055	0.248773	0.24095208	3.142486
2.97381623	0.062758868	3.619E-06	0.00854	0.205558	0.035642	0.2356	0.23106015	3.290858
3.11172283	0.061116201	4.222E-06	0.009984	0.205793	0.038941	0.224619	0.22501232	3.427168
3.23444329	0.060243112	4.373E-06	0.01109	0.205309	0.041992	0.214139	0.22179786	3.545422
2.17777502	0.059604047	4.454E-06	0.011619	0.203238	0.044691	0.201587	0.21944501	2.479074
2.18105851	0.058874974	4.657E-06	0.011522	0.182417	0.04678	0.18648	0.21676077	2.450377
3.53139395	0.0581459	5.349E-06	0.010983	0.198023	0.04783	0.219457	0.21407653	3.851761
5.55812842	0.071053209	7.007E-06	0.010326	0.294491	0.047149	0.27657	0.26159754	5.996126
9.8643235	0.077704884	7.09E-06	0.01507	0.702706	0.052798	0.268248	0.2860871	10.69477
11.6839928	0.082011821	1.12E-05	0.019374	1.136473	0.056048	0.309373	0.301944	12.98534
12.6570347	0.080315149	1.996E-05	0.022003	1.360098	0.051337	0.336739	0.29569734	14.21185
13.02889	0.109671627	2.791E-05	0.024081	1.440385	0.056414	0.410737	0.40377948	14.66643
12.7689812	0.143213531	4.205E-05	0.027546	1.371217	0.069646	0.451672	0.52727114	14.30505
13.7334039	0.160085742	4.242E-05	0.02733	1.313282	0.079115	0.441486	0.58938979	15.16536
16.345831	0.186242396	7.446E-05	0.026152	1.300725	0.090378	0.425654	0.68569109	17.68937
21.0776485	0.236602506	5.714E-05	0.026212	1.290257	0.111355	0.461168	0.87110257	22.3322
19.1203804	0.305288475	8.649E-05	0.028591	1.413098	0.153843	0.494645	1.12398461	20.39195
21.1616853	0.463704548	0.0001174	0.031532	1.566777	0.49334	0.789015	1.70722715	22.79894
19.8253047	1.520110232	0.000119	0.036598	1.69695	0.150225	0.96227	5.59660989	18.59497
18.2279893	0.472232913	9.308E-05	0.046933	1.530959	0.156645	1.423283	1.73862615	20.11951
21.5934643	0.251355003	6.175E-05	0.068027	2.190118	0.112444	1.87335	0.92541703	25.1634
24.2121506	0.159262159	3.846E-05	0.268261	4.279632	0.518916	3.512533	0.58635759	32.36444
18.6360656	0.156278356	3.133E-05	0.101569	4.880055	0.149647	1.662664	0.57537209	25.01094
15.3800744	0.170783328	2.698E-05	0.05372	6.265433	0.106104	1.069659	0.62877523	22.41703
12.0730865	0.180418805	2.673E-05	0.042009	8.166184	0.102894	1.012633	0.6642503	20.913
10.7544572	0.146035317	2.425E-05	0.058419	4.154149	0.073536	0.760148	0.53766015	15.40911
9.64145659	0.151219843	2.672E-05	0.063742	3.55855	0.068015	0.625256	0.55674809	13.55152
9.47163856	0.149163134	4.002E-05	0.035388	2.960156	0.069386	0.583353	0.54917588	12.71995
9.11014679	0.12280396	1.746E-05	0.034101	2.411687	0.062181	0.478865	0.45212896	11.76767
7.11193765	0.087583386	1.625E-05	0.039889	2.205498	0.049492	0.377881	0.32245691	9.54984
6.13674099	0.079302546	1.528E-05	0.038207	2.172355	0.0502	0.337792	0.29196923	8.522643
6.0576294	0.087844413	1.852E-05	0.045784	2.230976	0.04511	0.338793	0.32341793	8.482738
6.09826259	0.102758926	1.806E-05	0.046437	2.114568	0.042977	0.395785	0.37832889	8.422478
6.35540093	0.117745447	1.122E-05	0.064224	1.799948	0.035333	0.452501	0.43350496	8.391659
6.09364518	0.125823766	7.893E-06	0.05342	1.072995	0.027514	0.48287	0.46324702	7.39303
5.77853271	0.083956018	4.696E-06	0.015187	0.415409	0.01648	0.330454	0.30910198	6.330921
2.87254108	0.052101786	4.199E-06	0.014334	0.304622	0.016547	0.197116	0.19182383	3.265443
2.80574257	0.035985651	3.032E-06	0.016078	0.335464	0.016423	0.138449	0.13248885	3.215656
2.75454064	0.028325874	2.613E-06	0.013772	0.362782	0.016012	0.102348	0.10428774	3.173496
2.722424	0.027776818	2.39E-06	0.007626	0.38643	0.01542	0.100138	0.10226628	3.157551
2.69769521	0.027853326	2.775E-06	0.007036	0.406656	0.014658	0.100328	0.10254796	3.15168
2.67481339	0.028231364	3.261E-06	0.007729	0.423318	0.014205	0.101657	0.10393979	3.146017
2.65819072	0.029887532	2.588E-06	0.008136	0.436769	0.01416	0.107872	0.11003732	3.144981
2.641055	0.032389786	1.98E-06	0.008095	0.447251	0.014149	0.117368	0.1192499	3.14106
2.62556103	0.037146769	2.083E-06	0.007662	0.45504	0.016264	0.135531	0.13676375	3.140444
2.60401312	0.042160278	2.127E-06	0.007228	0.460357	0.042917	0.154713	0.15522205	3.156169
3.8474299	0.044496015	3.411E-06	0.009325	0.302588	0.025995	0.173255	0.16382156	4.239271
3.94018851	0.044095474	3.476E-06	0.009276	0.312369	0.025476	0.171632	0.16234689	4.340694

4272	472363.09	3856877.25	0.39727	0.09733	0.14878	0.18825	0.72376	0.19296	0.09883	0.09733
4273	472863.09	3856877.25	0.41074	0.09979	0.15639	0.19828	0.77112	0.20209	0.10142	0.09979
4274	473363.09	3856877.25	0.42868	0.10596	0.18958	0.22312	0.84945	0.23045	0.10775	0.10596
4275	473863.09	3856877.25	0.44322	0.12452	0.18755	0.23628	0.90014	0.2408	0.12598	0.12452
4276	474363.09	3856877.25	0.45084	0.14502	0.14404	0.22491	0.89477	0.21388	0.14649	0.14502
4277	474863.09	3856877.25	0.4504	0.16197	0.1407	0.20261	0.83487	0.17181	0.16331	0.16197
4278	475363.09	3856877.25	0.41727	0.17279	0.14013	0.15655	0.66375	0.13245	0.17388	0.17279
4279	475863.09	3856877.25	0.41722	0.17688	0.12544	0.15321	0.64066	0.13582	0.17784	0.17688
4280	476363.09	3856877.25	0.35477	0.17367	0.13075	0.15113	0.47417	0.14731	0.17438	0.17367
4281	476863.09	3856877.25	0.32181	0.16526	0.14205	0.15461	0.46495	0.17817	0.16572	0.16526
4282	477363.09	3856877.25	0.30076	0.15472	0.14752	0.11223	0.48342	0.20992	0.15477	0.15472
4283	477863.09	3856877.25	0.21092	0.14542	0.1098	0.13672	0.33281	0.23941	0.14474	0.14542
4284	478363.09	3856877.25	0.21882	0.13954	0.12493	0.17087	0.32736	0.26589	0.1375	0.13954
4285	478863.09	3856877.25	0.22519	0.13709	0.16647	0.20456	0.35029	0.29034	0.13263	0.13709
4286	479363.09	3856877.25	0.32385	0.13651	0.17741	0.22969	0.56913	0.31344	0.12799	0.13651
4287	479863.09	3856877.25	0.70766	0.15859	0.31092	0.27186	1.25682	0.33729	0.16232	0.15859
4288	480363.09	3856877.25	0.88699	0.19217	0.43431	0.41844	2.21465	0.45767	0.16986	0.19217
4289	480863.09	3856877.25	0.95484	0.2616	1.03592	0.49456	2.89978	0.55786	0.19708	0.2616
4290	481363.09	3856877.25	0.99912	0.26587	1.15098	0.50058	3.23415	0.73202	0.20285	0.26587
4291	481863.09	3856877.25	1.0864	0.26704	1.16308	0.49572	3.67495	0.67569	0.22044	0.26704
4292	482363.09	3856877.25	1.16932	0.33238	2.24522	0.49283	3.94819	0.62548	0.27961	0.33238
4293	482863.09	3856877.25	1.42978	0.3493	1.54868	0.50787	4.39857	0.58408	0.27381	0.3493
4294	483363.09	3856877.25	1.92072	0.39929	1.63348	0.53331	5.00063	0.67026	0.28056	0.39929
4295	483863.09	3856877.25	2.06292	0.47234	1.52253	0.56709	5.71427	0.80514	0.29332	0.47234
4296	484363.09	3856877.25	2.10429	0.69536	2.46092	0.6143	6.57584	1.08484	0.34166	0.69536
4297	484863.09	3856877.25	2.22829	0.98311	1.80222	0.66773	7.45665	2.40872	0.36077	0.98311
4298	485363.09	3856877.25	2.01623	2.11495	3.03017	0.77806	8.90646	1.27469	0.57682	2.11495
4299	485863.09	3856877.25	1.86346	1.33686	2.21366	0.96792	11.0117	1.0441	0.77239	1.33686
4300	486363.09	3856877.25	2.18118	0.46506	1.54654	1.54465	16.3268	0.8537	1.21141	0.46506
4301	486863.09	3856877.25	2.29814	0.38889	1.30188	3.84669	22.1133	3.68742	2.00131	0.38889
4302	487363.09	3856877.25	1.81305	0.38016	1.12021	2.26311	26.269	1.29399	1.02009	0.38016
4303	487863.09	3856877.25	1.38323	0.40597	1.15489	1.08066	33.6239	1.28167	0.64849	0.40597
4304	488363.09	3856877.25	1.12472	0.41616	1.60239	1.49878	14.4038	1.10884	0.50332	0.41616
4305	488863.09	3856877.25	1.00917	0.34999	1.31442	2.02058	11.1614	0.71091	0.42002	0.34999
4306	489363.09	3856877.25	1.01615	0.29822	2.37618	0.91765	9.28208	0.62247	0.3223	0.29822
4307	489863.09	3856877.25	0.85848	0.29102	0.75137	0.83673	7.87337	0.54096	0.30635	0.29102
4308	490363.09	3856877.25	0.68982	0.28563	1.07576	0.78867	6.64139	0.53409	0.28938	0.28563
4309	490863.09	3856877.25	0.65227	0.24004	0.71867	0.9127	5.46668	0.41666	0.25154	0.24004
4310	491363.09	3856877.25	0.64083	0.17225	1.00602	1.47339	4.43382	0.375	0.22944	0.17225
4311	491863.09	3856877.25	0.64365	0.16917	0.72658	5.80255	3.45287	0.35534	0.20418	0.16917
4312	492363.09	3856877.25	0.63881	0.14452	0.32102	2.11698	3.28973	0.23613	0.16655	0.14452
4313	492863.09	3856877.25	0.53607	0.15668	0.24715	0.5708	3.19694	0.18942	0.1557	0.15668
4314	493363.09	3856877.25	0.48083	0.15328	0.19139	0.31643	1.55727	0.12531	0.15632	0.15328
4315	493863.09	3856877.25	0.23507	0.08253	0.14276	0.26181	1.51503	0.11612	0.08146	0.08253
4316	494363.09	3856877.25	0.23017	0.06482	0.1075	0.20382	1.46944	0.11329	0.05932	0.06482
4317	494863.09	3856877.25	0.22823	0.0643	0.11403	0.19667	1.42178	0.11427	0.05846	0.0643
4318	495363.09	3856877.25	0.22699	0.06409	0.12911	0.19099	1.37272	0.11598	0.05793	0.06409
4319	495863.09	3856877.25	0.22621	0.06428	0.09191	0.18633	1.32303	0.11792	0.0578	0.06428
4320	496363.09	3856877.25	0.22592	0.06523	0.0838	0.18241	1.27385	0.12	0.05844	0.06523
4321	496863.09	3856877.25	0.22679	0.06869	0.09137	0.17906	1.22562	0.12211	0.06163	0.06869
4322	497363.09	3856877.25	0.22958	0.07849	0.10081	0.1762	1.17848	0.12491	0.07119	0.07849
4323	497863.09	3856877.25	0.23486	0.10337	0.10511	0.1738	1.13251	0.36361	0.09591	0.10337
4324	498363.09	3856877.25	0.23845	0.12989	0.10853	0.17188	1.08797	0.46467	0.12229	0.12989
4325	471363.09	3857377.25	0.33042	0.09948	0.14069	0.20784	0.38921	0.24512	0.10111	0.09948
4326	471863.09	3857377.25	0.34125	0.09811	0.12134	0.20642	0.39725	0.23469	0.09965	0.09811
4327	472363.09	3857377.25	0.35365	0.09756	0.11665	0.21154	0.40919	0.23545	0.09916	0.09756
4328	472863.09	3857377.25	0.3668	0.10049	0.12848	0.21927	0.42312	0.24078	0.10227	0.10049

4.07635075	0.043802944	3.774E-06	0.009752	0.333762	0.026695	0.170631	0.16126988	4.499727
4.21456518	0.044910057	3.967E-06	0.010271	0.355602	0.027958	0.175103	0.16534595	4.663068
4.39864586	0.047686838	4.809E-06	0.011558	0.391724	0.031882	0.186031	0.17556926	4.891963
4.54783946	0.056039686	4.758E-06	0.01224	0.4151	0.033314	0.217506	0.20632205	5.075721
4.62602757	0.065265622	3.654E-06	0.011651	0.412624	0.029589	0.252916	0.2402893	5.157787
4.62151277	0.072893896	3.569E-06	0.010495	0.385001	0.023769	0.281956	0.26837442	5.127257
4.2815689	0.07776339	3.555E-06	0.00811	0.306089	0.018324	0.300206	0.2863025	4.705761
4.28105586	0.079604077	3.182E-06	0.007936	0.295441	0.01879	0.307043	0.29307938	4.696793
3.64026218	0.07815943	3.317E-06	0.007829	0.218664	0.02038	0.301069	0.28776061	3.978605
3.30206267	0.074374546	3.604E-06	0.008009	0.214412	0.024649	0.286117	0.27382575	3.635802
3.08607056	0.069631065	3.742E-06	0.005814	0.222929	0.029041	0.267212	0.25636161	3.42434
2.16423063	0.06544564	2.785E-06	0.007082	0.153475	0.033121	0.249895	0.24095208	2.432301
2.2452918	0.062799372	3.169E-06	0.008851	0.150962	0.036785	0.237395	0.23120928	2.510878
2.31065378	0.06169676	4.223E-06	0.010596	0.161536	0.040167	0.228987	0.22714977	2.586492
3.32299492	0.061435733	4.501E-06	0.011898	0.262455	0.043363	0.220976	0.22618875	3.696938
7.26123385	0.071372742	7.887E-06	0.014083	0.579583	0.046662	0.280247	0.26277396	7.990416
9.10132241	0.086485275	1.102E-05	0.021676	1.021287	0.063316	0.293265	0.31841398	10.26895
9.79752499	0.117731945	2.628E-05	0.025619	1.337235	0.077177	0.340261	0.43345526	11.26212
10.251878	0.11965364	2.92E-05	0.025931	1.491429	0.101271	0.350223	0.44053039	11.89988
11.14745	0.120180194	2.95E-05	0.025679	1.694705	0.093478	0.380592	0.442469	13.01964
11.9982844	0.149586177	5.696E-05	0.025529	1.820709	0.086532	0.482749	0.5507334	14.01271
14.6708404	0.15720095	3.929E-05	0.026308	2.028402	0.080805	0.472736	0.57876881	16.85756
19.7083304	0.179698732	4.144E-05	0.027626	2.306042	0.092727	0.48439	0.66159919	22.13726
21.1674315	0.212574568	3.862E-05	0.029376	2.635138	0.111387	0.50642	0.78263859	23.87973
21.5919252	0.312943752	6.243E-05	0.031822	3.032451	0.150082	0.589879	1.15216914	24.557
22.8642777	0.442444391	4.572E-05	0.034589	3.438637	0.333235	0.622873	1.62895335	26.10715
20.6883497	0.951824073	7.687E-05	0.040305	4.107217	0.176347	0.995886	3.50434325	23.45566
19.1207908	0.601648044	5.616E-05	0.05014	5.07804	0.144446	1.333539	2.21509554	24.11356
22.3808864	0.209298236	3.923E-05	0.080015	7.529087	0.118105	2.091512	0.77057608	31.63837
23.5810021	0.175018258	3.303E-05	0.199264	10.19757	0.510137	3.455282	0.64436703	37.47393
18.6035385	0.171089359	2.842E-05	0.117232	12.11396	0.179017	1.761196	0.62990195	32.31616
14.1931952	0.182705037	2.93E-05	0.05598	15.50566	0.177313	1.119625	0.67266755	30.56184
11.540648	0.187291003	4.065E-05	0.077639	6.642294	0.153403	0.868987	0.68955176	18.78075
10.3550001	0.157511481	3.334E-05	0.104669	5.147061	0.098351	0.725169	0.5799121	16.00788
10.4266212	0.134212617	6.028E-05	0.047536	4.280435	0.086116	0.556454	0.49413236	15.0373
8.80878394	0.130972289	1.906E-05	0.043344	3.630807	0.074839	0.528916	0.4822024	12.73548
7.07817926	0.128546542	2.729E-05	0.040854	3.062679	0.073889	0.499618	0.4732715	10.41052
6.69288218	0.108028961	1.823E-05	0.047279	2.520961	0.057643	0.434286	0.39773165	9.463368
6.5754974	0.077520365	2.552E-05	0.076324	2.044658	0.051879	0.39613	0.28540775	8.936627
6.60443316	0.076134225	1.843E-05	0.30058	1.592292	0.04916	0.352519	0.28030438	8.694832
6.55477037	0.065040599	8.144E-06	0.109663	1.51706	0.032667	0.28755	0.23946083	8.327299
5.50056472	0.070513154	6.27E-06	0.029568	1.47427	0.026205	0.268818	0.25960921	7.110336
4.93375219	0.068982999	4.855E-06	0.016392	0.718136	0.017336	0.269888	0.25397562	5.770516
2.41203154	0.037142268	3.622E-06	0.013562	0.698657	0.016065	0.140642	0.13674718	3.181355
2.3617531	0.02917196	2.727E-06	0.010558	0.677633	0.015673	0.102417	0.10740279	3.089806
2.34184694	0.028937936	2.893E-06	0.010188	0.655654	0.015809	0.100932	0.10654118	3.046829
2.32912341	0.028843426	3.275E-06	0.009894	0.63303	0.016045	0.100017	0.10619322	3.010763
2.3211199	0.028928935	2.332E-06	0.009652	0.610116	0.016314	0.099792	0.10650804	2.979417
2.31814424	0.029356479	2.126E-06	0.009449	0.587436	0.016601	0.100897	0.10808213	2.953805
2.32707123	0.030913637	2.318E-06	0.009276	0.565195	0.016893	0.106405	0.11381514	2.941941
2.35569916	0.035324084	2.557E-06	0.009127	0.543456	0.017281	0.12291	0.13005315	2.953747
2.40987675	0.04652122	2.666E-06	0.009003	0.522257	0.050304	0.16559	0.17127779	3.032277
2.44671341	0.058456431	2.753E-06	0.008904	0.501718	0.064285	0.211135	0.21521981	3.075994
3.39040908	0.044770542	3.569E-06	0.010766	0.179484	0.033911	0.174567	0.1648323	3.66908
3.50153471	0.04415398	3.078E-06	0.010693	0.183192	0.032468	0.172047	0.16256229	3.781529
3.62876996	0.043906455	2.959E-06	0.010958	0.188698	0.032573	0.171201	0.16165097	3.914459
3.7637009	0.045225089	3.259E-06	0.011358	0.195122	0.033311	0.17657	0.16650581	4.058785

4329	473363.09	3857377.25	0.38043	0.10553	0.16208	0.23104	0.43739	0.25293	0.10729	0.10553	3.90355707	0.047493319	4.112E-06	0.011968	0.201703	0.034992	0.185237	0.17485678	4.210097
4330	473863.09	3857377.25	0.39398	0.11436	0.23185	0.24634	0.45177	0.27186	0.10872	0.11436	4.04259237	0.051467222	5.882E-06	0.012761	0.208334	0.037611	0.187706	0.18948755	4.350989
4331	474363.09	3857377.25	0.40401	0.09667	0.20056	0.21259	0.47243	0.2227	0.10067	0.09667	4.14550927	0.043505914	5.088E-06	0.011012	0.217861	0.030809	0.173808	0.1601763	4.462335
4332	474863.09	3857377.25	0.37213	0.08761	0.1123	0.15385	0.48367	0.13413	0.09966	0.08761	3.81839154	0.0394285	2.849E-06	0.00797	0.223045	0.018556	0.172064	0.14516443	4.134293
4333	475363.09	3857377.25	0.28687	0.10237	0.11605	0.11372	0.47162	0.12475	0.10323	0.10237	2.94354656	0.046071174	2.944E-06	0.005891	0.217488	0.017259	0.178228	0.16962085	3.238865
4334	475863.09	3857377.25	0.20339	0.12759	0.11845	0.10764	0.47435	0.13104	0.12858	0.12759	2.08696599	0.057421326	3.005E-06	0.005576	0.218747	0.018129	0.221995	0.21140885	2.397427
4335	476363.09	3857377.25	0.32072	0.15232	0.15666	0.13427	0.51707	0.15343	0.15341	0.15232	3.29087828	0.068550955	3.974E-06	0.006955	0.238447	0.021226	0.264864	0.25238496	3.638541
4336	476863.09	3857377.25	0.33228	0.17237	0.16692	0.1289	0.53668	0.18393	0.17347	0.17237	3.40949437	0.077574371	4.234E-06	0.006677	0.24749	0.025446	0.299498	0.28560658	3.780577
4337	477363.09	3857377.25	0.3379	0.18455	0.1666	0.15361	0.53587	0.19465	0.18557	0.18455	3.46716067	0.083055927	4.226E-06	0.007957	0.247117	0.026929	0.320388	0.3057881	3.826893
4338	477863.09	3857377.25	0.22146	0.18726	0.15253	0.16408	0.5262	0.18253	0.18814	0.18726	2.27238059	0.084275551	3.869E-06	0.0085	0.242657	0.025252	0.324826	0.31027841	2.647616
4339	478363.09	3857377.25	0.22381	0.18093	0.16463	0.14668	0.41242	0.16974	0.18165	0.18093	2.29649372	0.081426762	4.176E-06	0.007598	0.190188	0.023483	0.313621	0.29978998	2.613024
4340	478863.09	3857377.25	0.22778	0.16843	0.17508	0.12541	0.3862	0.18189	0.16898	0.16843	2.33722953	0.075801191	4.441E-06	0.006496	0.178096	0.025164	0.291746	0.27907824	2.635459
4341	479363.09	3857377.25	0.23555	0.1546	0.23277	0.18183	0.57268	0.21737	0.15492	0.1546	2.41695678	0.069577059	5.905E-06	0.009419	0.264092	0.030072	0.267471	0.25616278	2.801431
4342	479863.09	3857377.25	0.48927	0.15001	0.23638	0.20932	0.73133	0.24881	0.1533	0.15001	5.02035425	0.06751135	5.996E-06	0.010843	0.337253	0.034422	0.264674	0.24855743	5.486506
4343	480363.09	3857377.25	0.40813	0.13978	0.22135	0.20221	0.72438	0.2753	0.14027	0.13978	4.18778421	0.062907383	5.615E-06	0.010475	0.334048	0.038086	0.242178	0.23160694	4.643877
4344	480863.09	3857377.25	0.76723	0.24439	0.96899	0.5142	1.02631	0.52556	0.23865	0.24439	7.87247612	0.109986659	2.458E-05	0.026636	0.473283	0.072709	0.412032	0.40493933	8.562208
4345	481363.09	3857377.25	0.86004	0.26246	0.71489	0.5529	1.13784	0.56704	0.24894	0.26246	8.82479095	0.118118984	1.814E-05	0.028641	0.524715	0.078447	0.429797	0.43488022	9.569649
4346	481863.09	3857377.25	0.88823	0.28302	0.94769	0.62592	1.4174	0.7018	0.25683	0.28302	9.11404594	0.127371923	2.404E-05	0.032424	0.653635	0.097091	0.44342	0.46894689	9.999063
4347	482363.09	3857377.25	0.8876	0.34615	0.95064	0.56292	1.67394	0.77105	0.24473	0.34615	9.10758156	0.155783306	2.412E-05	0.02916	0.771938	0.106671	0.422529	0.57354945	10.02014
4348	482863.09	3857377.25	0.9978	0.35153	1.44194	0.5873	1.82635	0.8324	0.2284	0.35153	10.2383336	0.158204552	3.658E-05	0.030423	0.842222	0.115158	0.394335	0.58246378	11.19625
4349	483363.09	3857377.25	1.09673	0.38046	1.31624	0.61866	2.07193	0.91319	0.27875	0.38046	11.2534452	0.171224373	3.339E-05	0.032047	0.955471	0.126335	0.481265	0.63039903	12.38942
4350	483863.09	3857377.25	1.2552	0.42733	1.70812	0.65342	2.40862	0.95322	0.29814	0.42733	12.8794912	0.192318013	4.333E-05	0.033848	1.110736	0.131873	0.514742	0.70805976	14.15499
4351	484363.09	3857377.25	1.70623	0.53232	1.24296	0.68663	2.83497	0.9359	0.301	0.53232	17.5074683	0.239568307	3.153E-05	0.035568	1.307347	0.129477	0.51968	0.8820218	18.85712
4352	484863.09	3857377.25	1.87914	0.63448	1.41074	0.72413	3.54269	1.08459	0.34731	0.63448	19.2816819	0.285544972	3.579E-05	0.037511	1.633713	0.150048	0.599634	1.05129469	20.93687
4353	485363.09	3857377.25	2.30534	0.94673	2.15248	0.7672	5.02624	1.96211	0.34265	0.94673	23.6548807	0.42607173	5.46E-05	0.039742	2.317852	0.271448	0.591589	1.56867391	25.73296
4354	485863.09	3857377.25	2.10621	1.4748	2.33922	0.82855	6.62459	2.26705	0.51886	1.4748	21.6116261	0.663727342	5.934E-05	0.04292	3.054932	0.313635	0.895817	2.44365371	24.13906
4355	486363.09	3857377.25	1.90334	1.91074	2.33197	1.08411	8.72977	1.59124	0.78514	1.91074	19.5299958	0.859920248	5.916E-05	0.056158	4.025737	0.22014	1.355552	3.16597972	22.88158
4356	486863.09	3857377.25	2.10706	0.6312	2.26828	1.55398	14.8251	0.82568	1.20335	0.6312	21.6203479	0.284068822	5.754E-05	0.080498	6.836609	0.114229	2.077596	1.04585993	29.96755
4357	487363.09	3857377.25	2.15307	0.46216	1.19017	3.30307	20.7982	2.05594	2.10787	0.46216	22.0924523	0.207993103	3.019E-05	0.171104	9.591097	0.284429	3.639259	0.76577095	35.22059
4358	487863.09	3857377.25	1.66108	0.46983	1.93374	2.31755	24.1314	2.08659	0.971	0.46983	17.0441884	0.211444953	4.905E-05	0.120052	11.1282	0.28867	1.676441	0.77847967	29.69057
4359	488363.09	3857377.25	1.20981	0.42819	2.01318	1.89946	19.7946	0.97036	0.65474	0.42819	12.4137486	0.192705052	5.107E-05	0.098395	9.128296	0.134245	1.130415	0.70948473	22.38837
4360	488863.09	3857377.25	1.09919	0.41289	1.40497	2.69407	11.051	0.9465	0.47795	0.41289	11.278687	0.185819353	3.564E-05	0.139557	5.096177	0.130944	0.825186	0.68413356	16.97227
4361	489363.09	3857377.25	1.05281	0.37064	2.65488	1.15186	8.88136	0.92666	0.3912	0.37064	10.8027861	0.166804924	6.735E-05	0.059668	4.095642	0.128199	0.675411	0.61412789	15.31445
4362	489863.09	3857377.25	0.77726	0.29673	1.99411	1.50151	7.56224	0.681	0.32553	0.29673	7.97539302	0.133542049	5.059E-05	0.07778	3.48733	0.094213	0.562031	0.49166352	11.83868
4363	490363.09	3857377.25	0.73323	0.28678	1.56002	1.01556	6.22218	0.63122	0.29729	0.28678	7.52360526	0.129064095	3.957E-05	0.052607	2.869361	0.087326	0.513274	0.47517698	10.7001
4364	490863.09	3857377.25	0.73841	0.2785	1.46253	1.08482	5.28639	0.60387	0.28221	0.2785	7.57675676	0.125337717	3.71E-05	0.056195	2.437821	0.083542	0.487238	0.46145753	10.30547
4365	491363.09	3857377.25	0.70715	0.26411	1.14195	2.53166	4.47	0.54815	0.26292	0.26411	7.25600079	0.11886156	2.897E-05	0.131144	2.061342	0.075834	0.453934	0.43761417	9.659531
4366	491863.09	3857377.25	0.66749	0.22983	0.69978	1.98617	4.09739	0.4211	0.23743	0.22983	6.8490532	0.103433995	1.775E-05	0.102886	1.889513	0.058257	0.409925	0.3808143	9.032272
4367	492363.09	3857377.25	0.62949	0.14599	0.33813	0.64377	2.01728	0.31996	0.22293	0.14599	6.45913871	0.065702166	8.578E-06	0.033348	0.930269	0.044265	0.384891	0.24189653	7.675726
4368	492863.09	3857377.25	0.46594	0.13022	0.28412	0.31289	1.00062	0.20711	0.12985	0.13022	4.78096728	0.058604946	7.208E-06	0.016208	0.461436	0.028653	0.224187	0.2157666	5.354297
4369	493363.09	3857377.25	0.28209	0.12161	0.1651	0.21282	0.93999	0.16856	0.12101	0.12161	2.89449942	0.054730053	4.188E-06	0.011024	0.433477	0.023319	0.208925	0.20150036	3.424479
4370	493863.09	3857377.25	0.21356	0.10401	0.16942	0.20765	0.81147	0.16617	0.10329	0.10401	2.19131942	0.046809249	4.298E-06	0.010757	0.37421	0.022989	0.178331	0.17233823	2.652081
4371	494363.09	3857377.25	0.2112	0.07232	0.17126	0.17771	0.76212	0.16834	0.06706	0.07232	2.16710368	0.032547302	4.344E-06	0.009206	0.351452	0.023289	0.11578	0.11982983	2.579552
4372	494863.09	3857377.25	0.21214	0.07181	0.16407	0.17649	0.71745	0.17159	0.05938	0.07181	2.17674893	0.032317779	4.162E-06	0.009142	0.330852	0.023739	0.10252	0.11898479	2.55634
4373	495363.09	3857377.25	0.21325	0.07136	0.16348	0.17676	0.67694	0.1745	0.05873	0.07136	2.18813854	0.032115258	4.147E-06	0.009156	0.312171	0.024141	0.101398	0.11823917	2.548885
4374	495863.09	3857377.25	0.21473	0.07123	0.16269	0.17833	0.64025	0.17727	0.05844	0.07123	2.20332468	0.032056753	4.127E-06	0.009238	0.295252	0.024524	0.100897	0.11802377	2.547273
4375	496363.09	3857377.25	0.21624	0.07139	0.16732	0.18119	0.60671	0.17991	0.05847	0.07139	2.21881865	0.03212876	4.245E-06	0.009386	0.279785	0.02489	0.100949	0.11828888	2.547672
4376	496863.09	3857377.25	0.21818	0.07268	0.16514	0.18513	0.57603	0.18231	0.06662	0.07268	2.23872481	0.032709319	4.189E-06	0.00959	0.265636	0.025222	0.11502	0.12042633	2.56648
4377	497363.09	3857377.25	0.22179	0.0783	0.1624	0.18982	0.54785	0.33438	0.07051	0.0783	2.27576669	0.035238575	4.12E-06	0.009833	0.252641	0.04626	0.121736	0.12973833	2.611741
4378	497863.09	3857377.25	0.22891	0.09579	0.15952	0.19488	0.52186	0.69063	0.08289	0.09579	2.34882435	0.043109874	4.047E-06	0.010095	0.240656	0.095545	0.14311	0.15871819	2.722627
4379	498363.09	3857377.25	0.2415	0.14253	0.1564	0.20004	0.55976	0.52219	0.12997	0.14253	2.47800918	0.064145008	3.968E-06	0.010362	0.258134	0.072242	0.224395	0.23616352	2.871127
4380	471363.09	3857877.25	0.28902	0.09903	0.13736	0.15988	0.34567	0.24572	0.10066	0.09903	2.96560751	0.044568022	3.485E-06	0.008282	0.159406	0.033994	0.173791	0.16408667	3.221565
4381	471863.09	3857877.25	0.30009	0.09829	0.16651	0.16898	0.34789	0.24996	0.09995	0.09829	3.07919575	0.044234988	4.224E-06	0.008753	0.16043	0.034581	0.172565	0.16286054	3.336903
4382	472363.09	3857877.25	0.31236	0.09818	0.18722	0.18364	0.35009	0.26268	0.09984	0.09818	3.20509709	0.044185483	4.749E-06	0.009513	0.161444	0.03634	0.172375	0.16267828	3.466281
4383	472863.09	3857877.25	0.32715	0.1023	0.18777	0.20782	0.35263	0.29144	0.10403	0.1023	3.35685591	0.046039671	4.763E-06	0.010765	0.162615	0.040319	0.179609	0.16950486	3.626704
4384	473363.09	3857877.25	0.34045	0.10593	0.16037	0.22507	0.35439	0.30345	0.10771	0.10593	3.49332598	0.047673337	4.068E-06	0.011659	0.163427	0.041981	0.185962	0.17551955	3.768513
4385	473863.09	3857877.25	0.35845	0.10815	0.18827	0.24991	0.3727	0.32844	0.10749	0.10815	3.67802232	0.048672438	4.776E-06	0.012946	0.171871	0.045438	0.185583	0.17919796	3.963339

4386	474363.09	3857877.25	0.36403	0.0947	0.19652	0.22403	0.37113	0.25698	0.09717	0.0947	3.73527818	0.042619324	4.985E-06	0.011605	0.171147	0.035552	0.167765	0.15691213	4.007059
4387	474863.09	3857877.25	0.33108	0.08555	0.14507	0.14802	0.35313	0.13981	0.09333	0.08555	3.39718128	0.038501406	3.68E-06	0.007668	0.162846	0.019342	0.161135	0.14175114	3.644926
4388	475363.09	3857877.25	0.20761	0.06941	0.10759	0.10012	0.34998	0.13285	0.06413	0.06941	2.13026702	0.031237669	2.729E-06	0.005186	0.161393	0.018379	0.110721	0.11500814	2.342179
4389	475863.09	3857877.25	0.20884	0.05311	0.06908	0.09409	0.25104	0.10765	0.05911	0.05311	2.14288794	0.023901925	1.752E-06	0.004874	0.115767	0.014893	0.102054	0.08800003	2.31638
4390	476363.09	3857877.25	0.21203	0.08062	0.13249	0.13324	0.34824	0.17753	0.07613	0.08062	2.17562023	0.036282681	3.361E-06	0.006902	0.160591	0.02456	0.131439	0.13358243	2.401816
4391	476863.09	3857877.25	0.33667	0.08242	0.14763	0.15343	0.35452	0.19077	0.08038	0.08242	3.45453975	0.037092763	3.745E-06	0.007948	0.163487	0.026392	0.138777	0.13656492	3.691675
4392	477363.09	3857877.25	0.34089	0.10357	0.18088	0.16249	0.38546	0.19524	0.10448	0.10357	3.49784078	0.046611229	4.589E-06	0.008417	0.177755	0.02701	0.180386	0.17160918	3.766416
4393	477863.09	3857877.25	0.21836	0.13303	0.25098	0.16665	0.4181	0.19143	0.1341	0.13303	2.24057178	0.059869574	6.367E-06	0.008633	0.192807	0.026483	0.231525	0.2204226	2.539473
4394	478363.09	3857877.25	0.2206	0.16186	0.17415	0.13492	0.34731	0.14033	0.163	0.16186	2.26355621	0.072844391	4.418E-06	0.006989	0.160162	0.019414	0.281421	0.26819215	2.536199
4395	478863.09	3857877.25	0.22483	0.18558	0.15557	0.10946	0.2971	0.13178	0.18673	0.18558	2.30695985	0.083519474	3.946E-06	0.00567	0.137008	0.018231	0.322391	0.30749475	2.566289
4396	479363.09	3857877.25	0.49306	0.20055	0.23566	0.1898	0.74957	0.21464	0.20185	0.20055	5.05924309	0.090256658	5.978E-06	0.009832	0.345664	0.029694	0.348496	0.33229913	5.550893
4397	479863.09	3857877.25	0.66812	0.20356	0.41536	0.37934	1.58584	0.33716	0.20516	0.20356	6.85551757	0.091611295	1.054E-05	0.01965	0.731311	0.046644	0.354211	0.33728651	7.761669
4398	480363.09	3857877.25	0.70057	0.20173	0.781	0.45679	1.85705	0.46892	0.20307	0.20173	7.18848402	0.090787711	1.981E-05	0.023662	0.856379	0.064873	0.350602	0.33425431	8.240554
4399	480863.09	3857877.25	0.74277	0.21311	0.57235	0.4829	2.02149	0.51394	0.21055	0.21311	7.62149432	0.095909231	1.452E-05	0.025015	0.932211	0.071101	0.363517	0.35311028	8.756151
4400	481363.09	3857877.25	0.77239	0.23445	0.78138	0.51321	2.16174	0.56115	0.23125	0.23445	7.9254224	0.105513205	1.982E-05	0.026585	0.996887	0.077632	0.399255	0.38846936	9.142846
4401	481863.09	3857877.25	0.77824	0.24195	0.97505	0.56329	2.34935	0.66878	0.23769	0.24195	7.98544871	0.108888548	2.473E-05	0.029179	1.083404	0.092522	0.410374	0.4008964	9.308945
4402	482363.09	3857877.25	0.72397	0.3044	1.28168	0.62909	2.80066	0.94922	0.26929	0.3044	7.42858926	0.1369939	3.251E-05	0.032588	1.291525	0.13132	0.464932	0.50437225	8.981608
4403	482863.09	3857877.25	0.68479	0.32641	1.09035	0.61162	3.0958	1.11224	0.30398	0.32641	7.0265669	0.146899405	2.766E-05	0.031683	1.427629	0.153873	0.524825	0.54084148	8.770662
4404	483363.09	3857877.25	0.71151	0.35578	1.1348	0.65915	3.5664	1.18853	0.30221	0.35578	7.30073835	0.160117246	2.879E-05	0.034145	1.644647	0.164427	0.521769	0.58950578	9.236366
4405	483863.09	3857877.25	0.82299	0.39628	1.10393	0.71602	3.96817	1.31796	0.28754	0.39628	8.44462433	0.178344095	2.8E-05	0.037091	1.829923	0.182333	0.496441	0.65661181	10.51217
4406	484363.09	3857877.25	0.89182	0.44853	1.15477	0.78079	4.34413	1.51413	0.26557	0.44853	9.15088259	0.201858981	2.929E-05	0.040446	2.003297	0.209472	0.458509	0.74318687	11.32131
4407	484863.09	3857877.25	1.36639	0.55723	1.54483	0.85993	4.6461	1.80385	0.31613	0.55723	14.0204015	0.250778944	3.919E-05	0.044546	2.142551	0.249554	0.545802	0.92329615	16.33038
4408	485363.09	3857877.25	1.56971	0.62568	2.28593	0.95222	4.71866	2.29927	0.3474	0.62568	16.1066492	0.28158457	5.799E-05	0.049326	2.176012	0.318093	0.59979	1.03671363	18.4948
4409	485863.09	3857877.25	1.88696	0.88865	1.63057	1.0646	5.20232	3.52044	0.40113	0.88865	19.3619222	0.399933078	4.136E-05	0.055148	2.399052	0.487036	0.692555	1.47243889	21.92325
4410	486363.09	3857877.25	2.19607	1.26305	1.98461	1.19804	7.20029	4.31581	0.48932	1.26305	22.5336713	0.568430174	5.035E-05	0.06206	3.320416	0.597071	0.844816	2.09279687	25.83372
4411	486863.09	3857877.25	1.90188	2.66745	4.4493	1.39575	7.70994	1.75782	0.7128	2.66745	19.5150149	1.200474301	0.0001129	0.072302	3.555442	0.243186	1.230656	4.41980207	21.39739
4412	487363.09	3857877.25	2.05014	1.2433	7.91453	1.83758	7.8525	1.85018	1.1507	1.2433	21.0362971	0.559541772	0.0002008	0.095189	3.621183	0.255963	1.986695	2.06007232	25.495
4413	487863.09	3857877.25	2.19583	0.75192	5.87664	3.18081	13.3772	2.65705	2.24993	0.75192	22.5312087	0.338398334	0.0001491	0.16477	6.168905	0.36759	3.884527	1.24588561	32.20966
4414	488363.09	3857877.25	1.45248	0.62656	4.9785	2.80467	18.9409	2.18932	0.95032	0.62656	14.903763	0.28198061	0.0001263	0.145286	8.734617	0.302882	1.640737	1.03817173	24.97122
4415	488863.09	3857877.25	1.30916	0.49954	3.36091	3.15899	12.7731	1.53192	0.69292	0.49954	13.4331698	0.22481581	8.526E-05	0.16364	5.890306	0.211934	1.196333	0.82770733	20.29258
4416	489363.09	3857877.25	1.12402	0.43532	2.12027	1.69943	7.89252	1.17565	0.51224	0.43532	11.5334653	0.195913878	5.379E-05	0.088033	3.639638	0.162645	0.884388	0.72129871	15.78284
4417	489863.09	3857877.25	0.95663	0.37849	1.61384	1.53305	6.65133	0.92727	0.39749	0.37849	9.81589201	0.170337783	4.094E-05	0.079414	3.067263	0.128283	0.686271	0.62713486	13.32037
4418	490363.09	3857877.25	0.87933	0.31889	1.41909	1.86151	5.86777	0.78013	0.32362	0.31889	9.02272386	0.143515061	3.6E-05	0.096429	2.705924	0.107927	0.558733	0.52838129	12.10691
4419	490863.09	3857877.25	0.7481	0.26833	1.27702	1.93087	5.27755	0.7058	0.26675	0.26833	7.67618496	0.120760753	3.24E-05	0.100022	2.433744	0.097644	0.460547	0.44460646	10.44433
4420	491363.09	3857877.25	0.72619	0.26621	0.9934	4.17529	4.54581	0.68438	0.26758	0.26621	7.45136847	0.119806656	2.52E-05	0.216286	2.096302	0.094681	0.46198	0.44109374	9.999355
4421	491863.09	3857877.25	0.72262	0.30076	0.86465	1.46532	3.3814	0.6726	0.30053	0.30076	7.41473703	0.135355733	2.193E-05	0.075906	1.559334	0.093051	0.518868	0.49834099	9.298932
4422	492363.09	3857877.25	0.6685	0.32458	0.45301	0.54264	1.63817	0.37025	0.32091	0.32458	6.85941671	0.146075821	1.149E-05	0.02811	0.755443	0.051222	0.554054	0.53780928	7.856524
4423	492863.09	3857877.25	0.56366	0.16157	0.29418	0.33906	1.0541	0.30849	0.1565	0.16157	5.78366316	0.072713878	7.463E-06	0.017564	0.486099	0.042678	0.270199	0.26771164	6.405212
4424	493363.09	3857877.25	0.33218	0.12249	0.2471	0.3261	0.7865	0.28179	0.12241	0.12249	3.40846828	0.055126093	6.268E-06	0.016892	0.362695	0.038984	0.211342	0.20295846	3.890556
4425	493863.09	3857877.25	0.32211	0.12536	0.22517	0.31877	0.77858	0.26266	0.12474	0.12536	3.30514094	0.056417724	5.712E-06	0.016513	0.359042	0.036338	0.215365	0.20771388	3.781108
4426	494363.09	3857877.25	0.31187	0.11819	0.20903	0.3115	0.68899	0.27634	0.11733	0.11819	3.20006925	0.053190897	5.303E-06	0.016136	0.317728	0.03823	0.202571	0.19583363	3.632098
4427	494863.09	3857877.25	0.23192	0.09617	0.1959	0.30765	0.47277	0.35456	0.09513	0.09617	2.37970968	0.043280891	4.97E-06	0.015937	0.218018	0.049052	0.164243	0.15934783	2.710897
4428	495363.09	3857877.25	0.22894	0.07873	0.18499	0.3103	0.43869	0.43075	0.07741	0.07873	2.34913218	0.035432095	4.693E-06	0.016074	0.202302	0.059592	0.133649	0.13045081	2.665735
4429	495863.09	3857877.25	0.22718	0.07727	0.17575	0.3092	0.43904	0.54877	0.06079	0.07727	2.33107298	0.034775028	4.458E-06	0.016017	0.202463	0.07592	0.104955	0.12803168	2.637175
4430	496363.09	3857877.25	0.22697	0.07754	0.16817	0.30641	0.43785	1.12294	0.06433	0.07754	2.32891819	0.034896541	4.266E-06	0.015872	0.201915	0.155353	0.111066	0.12847905	2.719547
4431	496863.09	3857877.25	0.22714	0.08143	0.16184	0.30165	0.43487	3.11016	0.07744	0.08143	2.33066255	0.036647218	4.106E-06	0.015626	0.20054	0.430275	0.133701	0.13492455	3.012532
4432	497363.09	3857877.25	0.22727	0.08444	0.15664	0.29551	0.43053	2.77544	0.08428	0.08444	2.33199646	0.038001856	3.974E-06	0.015308	0.198539	0.383969	0.14551	0.13991193	2.973416
4433	497863.09	3857877.25	0.23053	0.10874	0.15265	0.28864	0.69813	0.686	0.10892	0.10874	2.36544702	0.048937965	3.872E-06	0.014952	0.321943	0.094905	0.188051	0.18017555	2.854064
4434	498363.09	3857877.25	0.45966	0.10702	0.14909	0.28149	0.68961	0.48677	0.10621	0.10702	4.71652878	0.048163887	3.782E-06	0.014582	0.318014	0.067342	0.183373	0.17732562	5.170681
4435	471363.09	3858377.25	0.30944	0.09707	0.14842	0.15249	0.65577	0.17486	0.09866	0.09707	3.17513524	0.043685932	3.765E-06	0.007899	0.302409	0.024191	0.170337	0.16083907	3.562822
4436	471863.09	3858377.25	0.3196	0.0978	0.13673	0.15425	0.71	0.17938	0.09939	0.0978	3.27938606	0.044014466	3.469E-06	0.00799	0.327417	0.024816	0.171598	0.16204864	3.693177
4437	472363.09	3858377.25	0.33015	0.0985	0.16789	0.15429	0.76286	0.18453	0.10013	0.0985	3.38763864	0.044329498	4.259E-06	0.007992	0.351793	0.025529	0.172875	0.1632085	3.826954
4438	472863.09	3858377.25	0.34199	0.1024	0.18137	0.15315	0.82405	0.20068	0.10413	0.1024	3.50912778	0.046084676	4.601E-06	0.007933	0.380011	0.027763	0.179782	0.16967056	3.981035
4439	473363.09	3858377.25	0.35179	0.10597	0.19084	0.15252	0.88765	0.24085	0.10739	0.10597	3.60968468	0.047691339	4.841E-06	0.007901	0.40934	0.03332	0.18541	0.17558583	4.117766
4440	473863.09	3858377.25	0.36203	0.10394	0.1618	0.14954	0.9272	0.23165	0.10565	0.10394	3.71475637	0.046777746	4.105E-06	0.007746	0.427579	0.032048	0.182406	0.17222224	4.239094
4441	474363.09	3858377.25	0.36672	0.09244	0.13988	0.14646	0.85552	0.17963	0.09396	0.09244	3.76288003	0.041602221	3.548E-06	0.007587	0.394523	0.024851	0.162223	0.15316745	4.240502
4442	474863.09	3858377.25	0.33056	0.08588	0.12635	0.1454	0.62	0.15046	0.0871	0.08588	3.39184561	0.038649921	3.205E-06	0.007532	0.285913	0.020815	0.150379	0.14229793	3.75284

4443	475363.09	3858377.25	0.32921	0.07877	0.13409	0.1173	0.45335	0.16415	0.07717	0.07877	3.37799338	0.035450097	3.402E-06	0.006076	0.209063	0.022709	0.133235	0.13051709	3.654013
4444	475863.09	3858377.25	0.20633	0.06434	0.126	0.12366	0.46999	0.1508	0.06755	0.06434	2.11713306	0.028955938	3.196E-06	0.006406	0.216736	0.020862	0.116626	0.10660746	2.400115
4445	476363.09	3858377.25	0.20847	0.06521	0.11971	0.14416	0.4863	0.16285	0.07724	0.06521	2.1390914	0.029347478	3.037E-06	0.007468	0.224257	0.02253	0.133356	0.108049	2.448003
4446	476863.09	3858377.25	0.21091	0.06628	0.15146	0.1515	0.49979	0.16501	0.08112	0.06628	2.16412802	0.029829026	3.842E-06	0.007848	0.230478	0.022828	0.140055	0.10982192	2.485348
4447	477363.09	3858377.25	0.21376	0.06646	0.18523	0.15595	0.50937	0.16514	0.08222	0.06646	2.1933716	0.029910035	4.699E-06	0.008078	0.234896	0.022846	0.141954	0.11012017	2.520941
4448	477863.09	3858377.25	0.35589	0.08056	0.24526	0.16653	0.5159	0.17745	0.08763	0.08056	3.6517544	0.036255679	6.222E-06	0.008626	0.237907	0.024549	0.151294	0.13348301	3.976911
4449	478363.09	3858377.25	0.36236	0.08204	0.25227	0.16797	0.5163	0.18291	0.08818	0.08204	3.71814247	0.036921746	6.4E-06	0.008701	0.238092	0.025305	0.152244	0.13593528	4.043477
4450	478863.09	3858377.25	0.23293	0.07356	0.1441	0.15619	0.29609	0.16805	0.08113	0.07356	2.3900732	0.033105359	3.656E-06	0.008091	0.136542	0.023249	0.140072	0.12188444	2.609251
4451	479363.09	3858377.25	0.49315	0.1048	0.30089	0.17395	0.81548	0.19827	0.10613	0.1048	5.06016657	0.047164785	7.633E-06	0.009011	0.376059	0.02743	0.183235	0.17364721	5.529426
4452	479863.09	3858377.25	0.59081	0.16166	0.57272	0.32014	2.28099	0.40056	0.14983	0.16166	6.0622468	0.072754382	1.453E-05	0.016584	1.051879	0.055416	0.258683	0.26786077	7.249717
4453	480363.09	3858377.25	0.58485	0.20407	0.56147	0.39354	2.66497	0.50048	0.18708	0.20407	6.0010918	0.091840818	1.424E-05	0.020386	1.228952	0.069239	0.322996	0.33813155	7.396388
4454	480863.09	3858377.25	0.60739	0.2129	0.52372	0.41256	2.9553	0.50636	0.2108	0.2129	6.23237265	0.095814721	1.329E-05	0.021371	1.362838	0.070052	0.363948	0.35276232	7.793648
4455	481363.09	3858377.25	0.64033	0.22943	0.80232	0.44059	3.10581	0.53249	0.23314	0.22943	6.57036695	0.103253976	2.035E-05	0.022823	1.432245	0.073667	0.402519	0.38015153	8.224744
4456	481863.09	3858377.25	0.68137	0.2336	0.79754	0.45448	3.2686	0.53777	0.23865	0.2336	6.99147459	0.105130667	2.023E-05	0.023543	1.507316	0.074398	0.412032	0.38706096	8.726853
4457	482363.09	3858377.25	0.71307	0.25428	1.01774	0.49241	3.41359	0.59823	0.25287	0.25428	7.31674536	0.114437611	2.582E-05	0.025508	1.574178	0.082762	0.436583	0.42132646	9.128913
4458	482863.09	3858377.25	0.70494	0.30425	1.32925	0.56112	3.51134	0.78989	0.28041	0.30425	7.23332419	0.136926393	3.372E-05	0.029067	1.619256	0.109277	0.484131	0.50412371	9.107891
4459	483363.09	3858377.25	0.69826	0.31807	0.94982	0.5469	3.16017	0.92905	0.31777	0.31807	7.16478132	0.143146024	2.409E-05	0.02833	1.457314	0.12853	0.548633	0.5270226	8.943735
4460	483863.09	3858377.25	0.74154	0.33463	1.21175	0.58767	3.06634	1.01218	0.29585	0.33463	7.6088734	0.15059878	3.074E-05	0.030442	1.414044	0.14003	0.510788	0.55446151	9.300346
4461	484363.09	3858377.25	0.81049	0.36784	1.19451	0.64355	3.35724	1.16646	0.29832	0.36784	8.31636298	0.165544796	3.03E-05	0.033337	1.548192	0.161374	0.515053	0.60948846	10.13041
4462	484863.09	3858377.25	0.94824	0.41469	1.45905	0.71096	3.48674	1.38769	0.31511	0.41469	9.729803	0.186629436	3.701E-05	0.036829	1.607911	0.19198	0.544041	0.68711606	11.61011
4463	485363.09	3858377.25	1.2216	0.47959	1.49285	0.79124	3.39219	1.7267	0.32647	0.47959	12.5347247	0.215837399	3.787E-05	0.040987	1.56431	0.23888	0.563654	0.7946514	14.36378
4464	485863.09	3858377.25	1.36674	0.53642	2.09704	0.89985	3.77567	2.34602	0.35545	0.53642	14.0239928	0.241413494	5.32E-05	0.046613	1.741152	0.32456	0.613688	0.88881525	16.10266
4465	486363.09	3858377.25	2.13241	0.8305	2.81978	1.04271	4.58621	4.27283	0.39471	0.8305	21.8804619	0.373762922	7.153E-05	0.054014	2.114932	0.591125	0.681471	1.37608788	24.31975
4466	486863.09	3858377.25	2.27335	1.06343	2.85095	1.22174	4.95438	4.62532	0.51052	1.06343	23.3266342	0.478592058	7.232E-05	0.063288	2.284714	0.63989	0.881418	1.7620387	25.91257
4467	487363.09	3858377.25	1.96622	1.22729	2.28819	1.49738	3.45184	3.72038	0.62924	1.22729	20.1752017	0.552336541	5.805E-05	0.077566	1.591817	0.514696	1.086389	2.03354473	21.96452
4468	487863.09	3858377.25	2.01157	5.28499	4.00315	2.05839	5.35148	2.37272	1.22943	5.28499	20.6405339	2.378486824	0.0001016	0.106627	2.467837	0.328254	2.122623	8.75690632	19.28756
4469	488363.09	3858377.25	2.21455	1.27953	2.92805	3.59448	14.9929	2.05825	2.7998	1.27953	22.7232929	0.575846926	7.428E-05	0.186199	6.913981	0.284749	4.833883	2.12010322	33.39792
4470	488863.09	3858377.25	1.75633	0.83336	2.22124	4.45099	7.21322	2.45527	0.99114	0.83336	18.0215398	0.375050053	5.635E-05	0.230567	3.326379	0.339675	1.711213	1.38082673	22.62365
4471	489363.09	3858377.25	1.13553	0.62365	1.90713	7.96858	6.74702	1.53894	0.74504	0.62365	11.6515684	0.280670977	4.838E-05	0.412784	3.111391	0.212905	1.286319	1.03335004	15.92234
4472	489863.09	3858377.25	0.97791	0.49321	1.21874	6.51607	6.81627	1.13123	0.5708	0.49321	10.0342441	0.221967021	3.092E-05	0.337542	3.143325	0.1565	0.985492	0.81721891	14.06188
4473	490363.09	3858377.25	0.8968	0.43586	1.44625	6.32659	4.97601	0.94573	0.44491	0.43586	9.20198191	0.196156902	3.669E-05	0.327726	2.294689	0.130837	0.768142	0.72219345	12.19738
4474	490863.09	3858377.25	0.85628	0.37703	1.61058	5.13258	4.05727	0.76672	0.36101	0.37703	8.78620994	0.169680716	4.086E-05	0.265875	1.871012	0.106072	0.623287	0.62471573	11.19746
4475	491363.09	3858377.25	0.82921	0.27457	1.18025	2.61415	3.89461	0.65539	0.27761	0.27457	8.50844717	0.123569037	2.994E-05	0.135417	1.796001	0.09067	0.479296	0.45494576	10.67848
4476	491863.09	3858377.25	0.84325	0.25387	0.79405	0.94005	3.29125	0.42954	0.27247	0.25387	8.65251031	0.114253092	2.014E-05	0.048696	1.517761	0.059425	0.470422	0.42064712	10.44244
4477	492363.09	3858377.25	0.70895	0.29505	0.51582	0.41473	1.40328	0.28859	0.29799	0.29505	7.27447043	0.132785973	1.309E-05	0.021484	0.647123	0.039925	0.514483	0.48887987	8.141404
4478	492863.09	3858377.25	0.69989	0.31472	0.30481	0.44017	1.62854	0.30819	0.31431	0.31472	7.1815066	0.141638371	7.732E-06	0.022801	0.751002	0.042637	0.542659	0.52147186	8.16078
4479	493363.09	3858377.25	0.63536	0.26404	0.29683	0.37824	1.70052	0.28197	0.26314	0.26404	6.51937024	0.118830057	7.53E-06	0.019593	0.784195	0.039009	0.454314	0.43749819	7.497821
4480	493863.09	3858377.25	0.59121	0.1566	0.25655	0.36238	1.646	0.27391	0.15524	0.1566	6.06635117	0.070477151	6.508E-06	0.018772	0.759053	0.037894	0.268023	0.25947666	6.961101
4481	494363.09	3858377.25	0.54479	0.11812	0.24256	0.3487	1.4913	0.26312	0.11884	0.11812	5.59003984	0.053159394	6.153E-06	0.018063	0.687714	0.036401	0.205178	0.19571764	6.394844
4482	494863.09	3858377.25	0.34571	0.12072	0.14889	0.32603	0.69171	0.3182	0.12068	0.12072	3.54729836	0.054329512	3.777E-06	0.016889	0.318982	0.044021	0.208355	0.20002568	3.989854
4483	495363.09	3858377.25	0.33656	0.11468	0.13685	0.27843	0.57166	0.45195	0.11421	0.11468	3.45341105	0.051611237	3.472E-06	0.014423	0.263621	0.062525	0.197185	0.19001777	3.852762
4484	495863.09	3858377.25	0.32892	0.10191	0.13721	0.25378	0.52891	0.60922	0.1015	0.10191	3.37501772	0.045864153	3.481E-06	0.013146	0.243907	0.084283	0.175241	0.16885866	3.768603
4485	496363.09	3858377.25	0.32032	0.08567	0.13827	0.2381	0.51132	2.05662	0.08505	0.08567	3.28677391	0.038555412	3.508E-06	0.012334	0.235795	0.284523	0.14684	0.14194997	3.862875
4486	496863.09	3858377.25	0.3124	0.10045	0.13743	0.22939	0.53109	0.79202	0.09862	0.10045	3.20550753	0.045207087	3.486E-06	0.011883	0.244912	0.109572	0.170268	0.16643953	3.620914
4487	497363.09	3858377.25	0.30301	0.13683	0.14239	0.20969	0.54443	0.49549	0.13533	0.13683	3.1091576	0.061579748	3.612E-06	0.010862	0.251064	0.068549	0.233649	0.22671897	3.508146
4488	497863.09	3858377.25	0.44927	0.17055	0.14645	0.20666	0.61446	0.55599	0.16997	0.17055	4.60991795	0.076755288	3.715E-06	0.010705	0.283358	0.076918	0.293455	0.28259096	5.068523
4489	498363.09	3858377.25	0.45283	0.17464	0.23887	0.21188	0.91794	0.45914	0.17361	0.17464	4.64644678	0.078595974	6.06E-06	0.010976	0.423308	0.06352	0.299739	0.28936784	5.233224
4490	471363.09	3858877.25	0.31406	0.11575	0.16041	0.15374	0.86902	0.15519	0.11598	0.11575	3.22254063	0.052092785	4.069E-06	0.007964	0.400749	0.02147	0.200241	0.1917907	3.71327
4491	471863.09	3858877.25	0.32215	0.11245	0.14708	0.15191	0.89704	0.15523	0.11262	0.11245	3.30555138	0.050607635	3.731E-06	0.007869	0.41367	0.021475	0.19444	0.1863228	3.807294
4492	472363.09	3858877.25	0.33343	0.11982	0.13351	0.1514	0.92849	0.15683	0.11991	0.11982	3.42129441	0.053924471	3.387E-06	0.007843	0.428173	0.021697	0.207026	0.19853444	3.941427
4493	472863.09	3858877.25	0.34248	0.1231	0.21247	0.15147	0.94282	0.16013	0.12309	0.1231	3.51415563	0.055400621	5.39E-06	0.007846	0.434782	0.022153	0.212516	0.2039692	4.04289
4494	473363.09	3858877.25	0.34162	0.13473	0.31801	0.15321	1.00208	0.18409	0.13465	0.13473	3.50533125	0.060634652	8.067E-06	0.007936	0.46211	0.025468	0.232475	0.2232394	4.070723
4495	473863.09	3858877.25	0.35591	0.12225	0.27621	0.15351	1.06039	0.17976	0.12203	0.12225	3.65195962	0.055018082	7.007E-06	0.007952	0.488999	0.024869	0.210686	0.2025608	4.23693
4496	474363.09	3858877.25	0.34671	0.09228	0.17325	0.15332	1.00495	0.14953	0.09401	0.09228	3.55755927	0.041530214	4.395E-06	0.007942	0.463433	0.020687	0.162309	0.15290234	4.100563
4497	474863.09	3858877.25	0.33577	0.07803	0.11465	0.11142	0.40832	0.153	0.07972	0.07803	3.44530494	0.035117063	2.908E-06	0.005772	0.188297	0.021167	0.137637	0.12929095	3.704007
4498	475363.09	3858877.25	0.20674	0.06342	0.1076	0.1192	0.39701	0.14281	0.07499	0.06342	2.12134003	0.028541896	2.73E-06	0.006175	0.183081	0.019757	0.129471	0.10508307	2.383286
4499	475863.09	3858877.25	0.20939	0.07033	0.11957	0.12916	0.38359	0.14854	0.08092	0.07033	2.14853144	0.031651711	3.033E-06	0.006691	0.176893	0.02055	0.139709	0.11653252	2.407496

4500	476363.09	3858877.25	0.21069	0.06418	0.13229	0.1108	0.22996	0.12052	0.05853	0.06418	2.16187062	0.028883931	3.356E-06	0.00574	0.106046	0.016673	0.101053	0.10634235	2.313927
4501	476863.09	3858877.25	0.21182	0.06521	0.1571	0.13423	0.25926	0.14703	0.07652	0.06521	2.17346544	0.029347478	3.985E-06	0.006953	0.119558	0.020341	0.132113	0.108049	2.373732
4502	477363.09	3858877.25	0.21108	0.06654	0.16998	0.1385	0.29822	0.15086	0.07893	0.06654	2.16587237	0.029946038	4.312E-06	0.007174	0.137524	0.020871	0.136273	0.11025272	2.387413
4503	477863.09	3858877.25	0.21794	0.06843	0.20777	0.14151	0.38852	0.1557	0.08125	0.06843	2.2362622	0.030796625	5.271E-06	0.00733	0.179166	0.02154	0.140279	0.11338434	2.501996
4504	478363.09	3858877.25	0.33247	0.08298	0.16467	0.16679	0.6612	0.17821	0.08671	0.08298	3.41144394	0.037344789	4.177E-06	0.00864	0.304913	0.024654	0.149706	0.1374928	3.799213
4505	478863.09	3858877.25	0.31557	0.0822	0.15681	0.1508	0.74876	0.17779	0.08482	0.0822	3.2380346	0.036993753	3.978E-06	0.007812	0.345291	0.024596	0.146443	0.13620039	3.662974
4506	479363.09	3858877.25	0.30047	0.08066	0.2216	0.14933	0.81961	0.16599	0.08278	0.08066	3.0830949	0.036300683	5.622E-06	0.007736	0.377963	0.022964	0.142921	0.1336487	3.537336
4507	479863.09	3858877.25	0.49916	0.14595	0.53048	0.19021	2.58569	0.39132	0.1447	0.14595	5.12183463	0.065684164	1.346E-05	0.009853	1.192392	0.054137	0.249826	0.24183025	6.45191
4508	480363.09	3858877.25	0.51294	0.17282	0.63938	0.21681	2.66931	0.46754	0.17132	0.17282	5.26322993	0.077776891	1.622E-05	0.011231	1.230953	0.064682	0.295786	0.28635221	6.657323
4509	480863.09	3858877.25	0.53053	0.19241	0.56409	0.2469	2.48885	0.52521	0.19049	0.19241	5.4437193	0.086593286	1.431E-05	0.01279	1.147734	0.07266	0.328883	0.31881164	6.773582
4510	481363.09	3858877.25	0.53985	0.20766	0.68377	0.28244	2.37004	0.56723	0.2053	0.20766	5.53935095	0.093456482	1.735E-05	0.014631	1.092945	0.078473	0.354453	0.34407996	6.829246
4511	481863.09	3858877.25	0.57402	0.22623	0.86034	0.32416	2.11143	0.61616	0.22321	0.22623	5.88996617	0.10181383	2.182E-05	0.016792	0.973687	0.085243	0.385374	0.37484932	7.078048
4512	482363.09	3858877.25	0.62267	0.24017	0.72362	0.36348	2.53837	0.63985	0.23686	0.24017	6.38915932	0.108087467	1.836E-05	0.018829	1.17057	0.08852	0.408941	0.39794705	7.786178
4513	482863.09	3858877.25	0.66661	0.2659	0.8405	0.41252	2.82391	0.69576	0.26136	0.2659	6.8400236	0.119667142	2.132E-05	0.021369	1.302247	0.096255	0.451241	0.44058009	8.390244
4514	483363.09	3858877.25	0.64255	0.49581	1.00636	0.38958	2.68311	0.79584	0.49707	0.49581	6.59314616	0.22313714	2.553E-05	0.020181	1.237317	0.110101	0.858196	0.82152695	8.220577
4515	483863.09	3858877.25	0.70269	0.48827	1.23817	0.43323	2.74105	0.82458	0.4887	0.48827	7.21023714	0.219743795	3.141E-05	0.022442	1.264036	0.114077	0.843746	0.80903363	8.865279
4516	484363.09	3858877.25	0.78849	0.43488	1.11231	0.48887	2.45425	0.89082	0.43444	0.43488	8.09062301	0.195715858	2.822E-05	0.025324	1.131778	0.123241	0.750065	0.72056965	9.596206
4517	484863.09	3858877.25	0.89711	0.36175	0.93591	0.54819	2.45333	0.9933	0.36086	0.36175	9.2051628	0.162804018	2.374E-05	0.028397	1.131354	0.137418	0.623028	0.5993977	10.68879
4518	485363.09	3858877.25	1.03954	0.42772	1.34379	0.60275	2.96422	1.21643	0.34642	0.42772	10.6666239	0.192493531	3.409E-05	0.031223	1.366951	0.168287	0.598098	0.70870597	12.315
4519	485863.09	3858877.25	1.25295	0.42758	1.48392	0.68861	3.73734	1.4609	0.38138	0.42758	12.8564041	0.192430524	3.764E-05	0.035671	1.723476	0.202108	0.658456	0.708474	14.96011
4520	486363.09	3858877.25	1.67856	0.5119	2.32229	0.87073	3.8405	2.07344	0.41959	0.5119	17.223549	0.230378374	5.891E-05	0.045105	1.771048	0.28685	0.724426	0.8481871	19.43323
4521	486863.09	3858877.25	2.49801	0.7369	2.52385	1.14103	2.68774	2.23978	0.47159	0.7369	25.6318497	0.331638648	6.402E-05	0.059107	1.239452	0.309863	0.814205	1.22099839	27.16518
4522	487363.09	3858877.25	2.34711	0.89288	2.55505	1.74264	2.95147	2.25075	0.56694	0.89288	24.0834788	0.401836771	6.482E-05	0.090271	1.361071	0.31138	0.978828	1.47944774	25.74748
4523	487863.09	3858877.25	2.0339	0.88903	2.24666	2.01382	3.84373	4.40313	0.69835	0.88903	20.8696599	0.400104095	5.699E-05	0.104319	1.772537	0.609151	1.205708	1.47306852	23.48847
4524	488363.09	3858877.25	1.95641	1.41044	2.23353	2.32129	5.24873	2.06644	1.04182	1.41044	20.0745422	0.634762404	5.666E-05	0.120246	2.420454	0.285882	1.798713	2.33701312	22.99764
4525	488863.09	3858877.25	2.1675	3.16416	2.50728	4.07149	11.229	1.78176	5.44501	3.16416	22.2405172	1.424016482	6.36E-05	0.210909	5.178234	0.246498	9.400865	5.24282027	33.45828
4526	489363.09	3858877.25	1.65533	1.18151	1.48714	5.09544	4.49324	2.38715	1.10839	1.18151	16.9851881	0.53173345	3.773E-05	0.263951	2.072059	0.330251	1.913647	1.95769006	20.13918
4527	489863.09	3858877.25	1.20487	0.79498	3.07866	2.25991	3.55398	1.48695	0.77721	0.79498	12.3630597	0.3577773	7.81E-05	0.117066	1.638919	0.205712	1.341861	1.31723341	14.70724
4528	490363.09	3858877.25	0.95429	0.56062	2.28463	1.66934	5.42154	1.08403	0.5747	0.56062	9.79188149	0.252304599	5.796E-05	0.086474	2.500145	0.14997	0.992225	0.92891317	12.84415
4529	490863.09	3858877.25	0.96488	0.34207	2.00874	1.29292	4.60481	0.67884	0.45991	0.34207	9.9005445	0.15394712	5.096E-05	0.066975	2.12351	0.093914	0.794039	0.56678914	12.56619
4530	491363.09	3858877.25	0.99801	0.31882	1.04983	0.74778	3.301	0.53616	0.39067	0.31882	10.2404884	0.143483558	2.663E-05	0.038736	1.522257	0.074175	0.674496	0.52826531	12.1654
4531	491863.09	3858877.25	0.92006	0.22088	0.54112	0.45284	1.4985	0.31138	0.25938	0.22088	9.44065062	0.099406086	1.373E-05	0.023458	0.691034	0.043078	0.447822	0.3659847	10.37948
4532	492363.09	3858877.25	0.88816	0.19305	0.46373	0.58935	2.24426	0.37189	0.23826	0.19305	9.11332767	0.086881315	1.176E-05	0.030529	1.034941	0.051449	0.411358	0.31987208	10.40863
4533	492863.09	3858877.25	0.82591	0.24421	0.83949	0.68396	2.57066	0.46165	0.26364	0.24421	8.47458618	0.109905651	2.13E-05	0.03543	1.185461	0.063867	0.455177	0.40464109	9.919807
4534	493363.09	3858877.25	0.77539	0.26759	0.54997	0.60999	2.47147	0.42207	0.27255	0.26759	7.95620513	0.120427719	1.395E-05	0.031598	1.139719	0.058391	0.47056	0.44338032	9.333536
4535	493863.09	3858877.25	0.70062	0.30724	0.36553	0.3649	1.48197	0.48519	0.3098	0.30724	7.18899707	0.138272029	9.273E-06	0.018902	0.683411	0.067124	0.534873	0.50907795	8.12251
4536	494363.09	3858877.25	0.65337	0.26302	0.34198	0.34356	1.03728	0.44868	0.26479	0.26302	6.70416918	0.11837101	8.675E-06	0.017797	0.478342	0.062073	0.457163	0.43580811	7.402115
4537	494863.09	3858877.25	0.60244	0.16103	0.32926	0.31639	1.24349	0.54114	0.16193	0.16103	6.18158116	0.072470853	8.353E-06	0.016389	0.573436	0.074864	0.279574	0.2668169	6.931507
4538	495363.09	3858877.25	0.55437	0.11431	0.28968	0.30243	1.37693	0.61704	0.13487	0.11431	5.68833933	0.05144472	7.349E-06	0.015666	0.634972	0.085364	0.232854	0.1894047	6.519244
4539	495863.09	3858877.25	0.51775	0.117	0.26088	0.31008	1.42791	1.9861	0.1398	0.117	5.3125849	0.052655342	6.618E-06	0.016063	0.658481	0.274767	0.241366	0.19386187	6.362062
4540	496363.09	3858877.25	0.48946	0.11229	0.24058	0.31308	1.4001	1.22876	0.13949	0.11229	5.02230382	0.050535627	6.103E-06	0.016218	0.645657	0.169993	0.240831	0.18605769	5.959486
4541	496863.09	3858877.25	0.46457	0.10102	0.22498	0.29472	1.30845	1.01478	0.12832	0.10102	4.76690983	0.045463613	5.707E-06	0.015267	0.603392	0.14039	0.221546	0.16738398	5.62559
4542	497363.09	3858877.25	0.44395	0.10807	0.21344	0.2726	1.17415	0.65637	0.11315	0.10807	4.55532992	0.048636435	5.415E-06	0.014121	0.54146	0.090806	0.195355	0.1790654	5.266647
4543	497863.09	3858877.25	0.43734	0.17472	0.2052	0.28266	1.06697	0.50299	0.1754	0.17472	4.48750532	0.078631978	5.205E-06	0.014642	0.492034	0.069586	0.30283	0.28950039	5.155734
4544	498363.09	3858877.25	0.43516	0.21128	0.217	0.28847	1.11553	0.45989	0.21224	0.21128	4.46513654	0.095085647	5.505E-06	0.014943	0.514427	0.063624	0.366435	0.35007808	5.169578
4545	471363.09	3859377.25	0.33908	0.09358	0.162	0.15396	0.85155	0.1617	0.09494	0.09358	3.47926854	0.042115273	4.11E-06	0.007975	0.392693	0.02237	0.163915	0.15505636	3.953285
4546	471863.09	3859377.25	0.34521	0.09499	0.22477	0.15486	0.83271	0.16387	0.0963	0.09499	3.5421679	0.042749837	5.702E-06	0.008022	0.384005	0.022671	0.166263	0.15739264	4.008491
4547	472363.09	3859377.25	0.35172	0.10475	0.27761	0.15678	0.8053	0.1668	0.10607	0.10475	3.60896641	0.047142283	7.042E-06	0.008121	0.371364	0.023076	0.183131	0.17356437	4.068244
4548	472863.09	3859377.25	0.35244	0.115	0.25691	0.15872	0.91763	0.16935	0.11647	0.115	3.61635427	0.051755251	6.517E-06	0.008222	0.423165	0.023429	0.201087	0.19054799	4.133471
4549	473363.09	3859377.25	0.35022	0.12843	0.23611	0.16111	1.09957	0.17207	0.1301	0.12843	3.59357505	0.057799364	5.99E-06	0.008346	0.507067	0.023805	0.224619	0.21280068	4.202417
4550	473863.09	3859377.25	0.35869	0.13111	0.18411	0.16258	1.27671	0.17402	0.1328	0.13111	3.68048494	0.059005487	4.67E-06	0.008422	0.588755	0.024075	0.229281	0.21724128	4.372786
4551	474363.09	3859377.25	0.36017	0.09494	0.18198	0.16219	1.31528	0.1487	0.09615	0.09494	3.69567108	0.042727335	4.616E-06	0.008402	0.606542	0.020572	0.166004	0.15730979	4.382613
4552	474863.09	3859377.25	0.35129	0.08492	0.1571	0.16168	0.86926	0.14955	0.08895	0.08492	3.60455422	0.038217878	3.985E-06	0.008375	0.40086	0.02069	0.153573	0.14070726	4.085566
4553	475363.09	3859377.25	0.34383	0.08027	0.15896	0.1164	0.51264	0.13484	0.08726	0.08027	3.52800785	0.036125165	4.032E-06	0.00603	0.236404	0.018654	0.150655	0.1330025	3.842878
4554	475863.09	3859377.25	0.20361	0.06377	0.13538	0.1178	0.32422	0.12818	0.07801	0.06377	2.08922339	0.028699412	3.434E-06	0.006102	0.149514	0.017733	0.134685	0.105663	2.320298
4555	476363.09	3859377.25	0.19779	0.0644	0.15278	0.11933	0.32693	0.13015	0.07208	0.0644	2.02950491	0.028982941	3.876E-06	0.006181	0.150764	0.018006	0.124447	0.10670687	2.251183
4556	476863.09	3859377.25	0.1903	0.06519	0.15244	0.1208	0.3561	0.13242	0.05895	0.06519	1.95265071	0.029338477	3.867E-06	0.006258	0.164216	0.01832	0.101778	0.10801586	2.164548

4557	477363.09	3859377.25	0.1838	0.0667	0.13102	0.12276	0.37654	0.13922	0.05979	0.0667	1.88595481	0.030018046	3.324E-06	0.006359	0.173642	0.01926	0.103228	0.11051783	2.107947
4558	477863.09	3859377.25	0.21631	0.06831	0.16752	0.12865	0.50412	0.14868	0.08185	0.06831	2.21953692	0.030742619	4.25E-06	0.006664	0.232475	0.020569	0.141315	0.11318551	2.538122
4559	478363.09	3859377.25	0.2773	0.08251	0.19446	0.13777	0.80664	0.15339	0.08516	0.08251	2.84534967	0.037133268	4.933E-06	0.007137	0.371982	0.021221	0.14703	0.13671404	3.293143
4560	478863.09	3859377.25	0.39335	0.08678	0.2065	0.18654	1.39026	0.17866	0.09191	0.08678	4.03612799	0.039054963	5.238E-06	0.009663	0.641119	0.024717	0.158684	0.14378917	4.765581
4561	479363.09	3859377.25	0.45687	0.10183	0.26722	0.24338	1.60105	0.18654	0.09634	0.10183	4.68790084	0.04582815	6.779E-06	0.012607	0.738325	0.025807	0.166332	0.1687261	5.508081
4562	479863.09	3859377.25	0.49079	0.12881	0.44261	0.31057	1.73423	0.25082	0.13121	0.12881	5.03595083	0.057970382	1.123E-05	0.016088	0.799741	0.0347	0.226535	0.21343032	5.957566
4563	480363.09	3859377.25	0.49628	0.16212	0.52846	0.34619	1.80124	0.3416	0.16547	0.16212	5.09228321	0.072961403	1.341E-05	0.017933	0.830642	0.047259	0.285686	0.26862296	6.078155
4564	480863.09	3859377.25	0.48591	0.17924	0.5387	0.35154	1.90578	0.40604	0.183	0.17924	4.9858776	0.080666184	1.367E-05	0.01821	0.878851	0.056174	0.315951	0.29698976	6.038754
4565	481363.09	3859377.25	0.46429	0.18922	0.74676	0.37233	2.1071	0.45516	0.1932	0.18922	4.76403678	0.08515764	1.894E-05	0.019287	0.97169	0.062969	0.333562	0.31352601	5.923195
4566	481863.09	3859377.25	0.45459	0.19695	0.82752	0.39132	2.15454	0.49859	0.20131	0.19695	4.66450597	0.088636493	2.099E-05	0.020271	0.993567	0.068977	0.347564	0.32633415	5.857208
4567	482363.09	3859377.25	0.46227	0.21588	0.69336	0.4063	2.51729	0.53763	0.20832	0.21588	4.74330974	0.097155858	1.759E-05	0.021047	1.160849	0.074378	0.359667	0.3577	6.098724
4568	482863.09	3859377.25	0.47554	0.22112	0.69748	0.47783	2.48074	0.61043	0.226	0.22112	4.87947199	0.099514097	1.769E-05	0.024752	1.143994	0.08445	0.390191	0.36638236	6.256009
4569	483363.09	3859377.25	0.48829	0.25192	0.78041	0.49466	2.06917	0.72173	0.2527	0.25192	5.01029856	0.113375503	1.98E-05	0.025624	0.954198	0.099848	0.436289	0.41741609	6.222237
4570	483863.09	3859377.25	0.51924	0.30677	0.96986	0.5192	1.58638	0.72598	0.30855	0.30677	5.32787365	0.138060508	2.46E-05	0.026895	0.73156	0.100436	0.532715	0.50829919	6.349265
4571	484363.09	3859377.25	0.58108	0.41778	0.99668	0.6485	2.33943	0.82617	0.42	0.41778	5.96240817	0.188020077	2.528E-05	0.033593	1.078829	0.114297	0.725134	0.692236	7.410071
4572	484863.09	3859377.25	0.66184	0.51459	0.72104	0.8158	2.39719	0.96309	0.51667	0.51459	6.79107907	0.231588997	1.829E-05	0.04226	1.105465	0.133239	0.892036	0.85264427	8.343041
4573	485363.09	3859377.25	0.77848	0.56307	1.4309	0.95105	3.14951	1.16122	0.56432	0.56307	7.98791133	0.253407211	3.63E-05	0.049266	1.452398	0.160649	0.974304	0.93297267	9.944999
4574	485863.09	3859377.25	0.95694	0.539	1.30218	0.96832	3.13467	1.48574	0.53902	0.539	9.8190729	0.242574612	3.303E-05	0.05016	1.445554	0.205545	0.930623	0.89309015	11.80047
4575	486363.09	3859377.25	1.24412	0.45184	1.39828	0.90577	2.27338	2.13351	0.45072	0.45184	12.7658003	0.203348632	3.547E-05	0.04692	1.04837	0.295161	0.778173	0.74867134	14.38914
4576	486863.09	3859377.25	2.17463	0.49684	1.94974	1.12012	2.34541	3.8656	0.4429	0.49684	22.3136774	0.223600687	4.946E-05	0.058024	1.081587	0.534787	0.764671	0.8232336	24.15316
4577	487363.09	3859377.25	2.60256	0.66089	1.48064	1.10864	2.88214	1.77493	0.51424	0.66089	26.7046276	0.297430678	3.756E-05	0.057429	1.3291	0.245553	0.887841	1.09505445	28.42696
4578	487863.09	3859377.25	2.40177	0.72076	1.78266	1.27837	2.83895	1.65788	0.62198	0.72076	24.64434	0.324374911	4.522E-05	0.066221	1.309183	0.22936	1.073855	1.19425539	26.45312
4579	488363.09	3859377.25	2.08601	0.7723	1.35956	1.48632	4.28303	5.80561	0.76547	0.7723	21.4043558	0.347570265	3.449E-05	0.076993	1.975121	0.803178	1.321592	1.27965403	24.64919
4580	488863.09	3859377.25	1.93202	1.03269	1.64819	2.54967	7.10797	2.32627	1.0266	1.03269	19.8242787	0.464757655	4.181E-05	0.132076	3.277843	0.321828	1.772435	1.71110439	24.08216
4581	489363.09	3859377.25	1.58223	1.71646	3.6823	2.85444	6.60346	1.40185	1.77018	1.71646	16.2351158	0.772485377	9.341E-05	0.147864	3.045188	0.193939	3.056234	2.8440696	20.60685
4582	489863.09	3859377.25	1.84874	2.62131	21.56023	7.41781	2.92516	5.60748	2.61607	2.62131	18.9697503	1.179709195	0.0005469	0.384253	1.348939	0.775767	4.516671	4.3433509	22.83229
4583	490363.09	3859377.25	1.2059	0.9864	5.79024	2.23864	2.33901	1.71092	0.95935	0.9864	12.3736284	0.443925041	0.0001469	0.115965	1.078635	0.236697	1.656328	1.63440468	14.27092
4584	490863.09	3859377.25	1.00255	0.49161	4.60564	1.2611	3.26921	0.96037	0.57549	0.49161	10.2870729	0.221246948	0.0001168	0.065327	1.507597	0.132862	0.993589	0.81456781	12.39324
4585	491363.09	3859377.25	0.93684	0.28926	1.3752	0.66727	4.66639	0.48853	0.38011	0.28926	9.61282865	0.130180208	3.489E-05	0.034566	2.151907	0.067586	0.656264	0.47928619	12.17408
4586	491863.09	3859377.25	0.85243	0.31427	1.92837	0.78903	3.45726	0.62064	0.39165	0.31427	8.74670544	0.14143585	4.892E-05	0.040873	1.594317	0.085863	0.676188	0.52072624	10.7647
4587	492363.09	3859377.25	0.81988	0.29315	1.59185	0.79037	2.55981	0.59213	0.33112	0.29315	8.4127129	0.131930886	4.038E-05	0.040942	1.180457	0.081918	0.571682	0.48573168	9.933952
4588	492863.09	3859377.25	0.77816	0.28578	1.3798	0.87967	2.75906	0.5638	0.29501	0.28578	7.98462784	0.128614049	3.5E-05	0.045568	1.272342	0.077999	0.509338	0.47352004	9.545003
4589	493363.09	3859377.25	0.7627	0.26845	0.93932	0.83907	2.35751	0.52114	0.28042	0.26845	7.82599421	0.120814758	2.383E-05	0.043465	1.087167	0.072097	0.484148	0.44480529	9.188904
4590	493863.09	3859377.25	0.72166	0.26144	0.80779	0.78345	2.42093	0.74147	0.27185	0.26144	7.40488656	0.117659938	2.049E-05	0.040584	1.116413	0.102579	0.469352	0.43319015	8.818304
4591	494363.09	3859377.25	0.69727	0.24916	0.75487	0.68605	2.0135	1.13399	0.26383	0.24916	7.15462303	0.112133377	1.915E-05	0.035538	0.928526	0.156882	0.455505	0.41284293	8.430384
4592	494863.09	3859377.25	0.6415	0.27776	0.45409	0.41606	1.7568	2.86425	0.2803	0.27776	6.58237221	0.125004683	1.152E-05	0.021552	0.810149	0.396255	0.483941	0.46023139	7.959054
4593	495363.09	3859377.25	0.60223	0.23184	0.41484	0.40985	1.71935	1.23716	0.23353	0.23184	6.17942637	0.104338586	1.052E-05	0.021231	0.792879	0.171155	0.403192	0.38414475	7.288087
4594	495863.09	3859377.25	0.56341	0.15261	0.36772	0.39473	1.51263	0.89363	0.16053	0.15261	5.78109794	0.068681468	9.328E-06	0.020448	0.69755	0.123629	0.277157	0.25286547	6.715707
4595	496363.09	3859377.25	0.53347	0.12509	0.33831	0.40172	1.36775	0.66766	0.16403	0.12509	5.47388636	0.056296212	8.582E-06	0.02081	0.630738	0.092367	0.283199	0.20726651	6.35004
4596	496863.09	3859377.25	0.49477	0.11444	0.27078	0.38229	1.02962	0.57807	0.16163	0.11444	5.07678924	0.051503226	6.869E-06	0.019803	0.47481	0.079973	0.279056	0.18962011	5.792321
4597	497363.09	3859377.25	0.47013	0.11202	0.2983	0.39676	1.41829	0.50863	0.16669	0.11202	4.82396048	0.050414115	7.567E-06	0.020553	0.654045	0.070366	0.287792	0.18561031	5.721528
4598	497863.09	3859377.25	0.45511	0.12141	0.397	0.43075	1.77389	0.47956	0.16186	0.12141	4.66984165	0.054640044	1.007E-05	0.022313	0.81803	0.066345	0.279453	0.20116897	5.709464
4599	498363.09	3859377.25	0.43552	0.18386	0.45408	0.55448	1.69743	0.50278	0.21922	0.18386	4.46883047	0.082745395	1.152E-05	0.028723	0.78277	0.069557	0.378486	0.30464481	5.506479
4600	471363.09	3859877.25	0.35261	0.08978	0.25737	0.15905	1.15041	0.17002	0.0908	0.08978	3.61809862	0.0404051	6.529E-06	0.008239	0.530512	0.023521	0.156767	0.14875999	4.22879
4601	471863.09	3859877.25	0.35379	0.0933	0.21702	0.16364	1.25492	0.17199	0.09434	0.0933	3.63020649	0.04198926	5.505E-06	0.008477	0.578707	0.023794	0.162879	0.15459241	4.291465
4602	472363.09	3859877.25	0.35802	0.09391	0.20331	0.16839	1.34009	0.17364	0.09496	0.09391	3.67361013	0.042263788	5.158E-06	0.008723	0.617983	0.024022	0.163949	0.15560315	4.374953
4603	472863.09	3859877.25	0.35201	0.09912	0.178	0.17303	1.37217	0.17569	0.10017	0.09912	3.61194208	0.044608526	4.515E-06	0.008963	0.632777	0.024306	0.172945	0.1642358	4.33131
4604	473363.09	3859877.25	0.34563	0.10412	0.18884	0.18325	1.36859	0.17754	0.1052	0.10412	3.54647749	0.046858754	4.79E-06	0.009493	0.631126	0.024562	0.181629	0.17252049	4.26763
4605	473863.09	3859877.25	0.34047	0.1048	0.18605	0.19567	1.34597	0.179	0.10588	0.1048	3.4935312	0.047164785	4.72E-06	0.010136	0.620695	0.024764	0.182803	0.17364721	4.205451
4606	474363.09	3859877.25	0.34713	0.09258	0.14353	0.19206	1.29932	0.17861	0.09412	0.09258	3.56186885	0.041665227	3.641E-06	0.009949	0.599182	0.02471	0.162499	0.15339942	4.246478
4607	474863.09	3859877.25	0.32199	0.08748	0.16507	0.16355	1.32444	0.15337	0.09307	0.08748	3.30390963	0.039369995	4.187E-06	0.008472	0.610766	0.021218	0.160686	0.14494903	3.999477
4608	475363.09	3859877.25	0.29779	0.08447	0.18154	0.12022	0.77074	0.12881	0.09208	0.08447	3.05559567	0.038015357	4.605E-06	0.006228	0.355427	0.01782	0.158977	0.13996164	3.492106
4609	475863.09	3859877.25	0.17478	0.06333	0.14852	0.11724	0.4675	0.12976	0.07675	0.06333	1.79340143	0.028501392	3.768E-06	0.006073	0.215588	0.017952	0.13251	0.10493395	2.089095
4610	476363.09	3859877.25	0.16826	0.06373	0.1178	0.11735	0.37477	0.13089	0.0584	0.06373	1.72650031	0.02868141	2.988E-06	0.006079	0.172825	0.018108	0.100828	0.10559673	1.947428
4611	476863.09	3859877.25	0.1657	0.06527	0.12275	0.11791	0.50737	0.13657	0.05935	0.06527	1.70023239	0.02937448	3.114E-06	0.006108	0.233974	0.018894	0.102468	0.10814841	1.982905
4612	477363.09	3859877.25	0.16688	0.06628	0.15354	0.1212	0.64328	0.1446	0.06004	0.06628	1.71234026	0.029829026	3.895E-06	0.006278	0.296649	0.020005	0.10366	0.10982192	2.058943
4613	477863.09	3859877.25	0.20235	0.07242	0.14556	0.12636	0.75349	0.14965	0.08597	0.07242	2.07629465	0.032592307	3.693E-06	0.006546	0.347472	0.020703	0.148428	0.11999553	2.512044

4614	478363.09	3859877.25	0.27041	0.08809	0.19316	0.12922	0.81232	0.15552	0.09059	0.08809	2.77465202	0.039644522	4.9E-06	0.006694	0.374602	0.021515	0.156405	0.14595976	3.227557
4615	478863.09	3859877.25	0.41097	0.0922	0.23248	0.17735	1.58507	0.19079	0.09398	0.0922	4.21692519	0.04149421	5.898E-06	0.009187	0.730956	0.026395	0.162257	0.15276978	5.03445
4616	479363.09	3859877.25	0.46757	0.10659	0.30998	0.25476	1.49012	0.26473	0.10673	0.10659	4.79769256	0.047970367	7.864E-06	0.013197	0.687169	0.036624	0.18427	0.17661313	5.590318
4617	479863.09	3859877.25	0.47252	0.15377	0.39139	0.3496	1.74332	0.30352	0.15694	0.15377	4.84848405	0.069203521	9.929E-06	0.01811	0.803933	0.041991	0.270959	0.25478752	5.797901
4618	480363.09	3859877.25	0.45487	0.19795	0.51022	0.40505	1.64114	0.37408	0.20205	0.19795	4.66737903	0.089086539	1.294E-05	0.020982	0.756812	0.051752	0.348841	0.32799109	5.606875
4619	480863.09	3859877.25	0.43796	0.21678	0.65842	0.4407	1.93621	0.40122	0.22092	0.21678	4.49386708	0.097560899	1.67E-05	0.022829	0.892884	0.055507	0.381421	0.35919125	5.584894
4620	481363.09	3859877.25	0.43393	0.22608	0.57983	0.45802	2.07585	0.40257	0.23017	0.22608	4.45251562	0.101746323	1.471E-05	0.023726	0.957279	0.055694	0.397391	0.37460078	5.613765
4621	481863.09	3859877.25	0.44606	0.22307	0.48942	0.48796	1.91968	0.41072	0.22717	0.22307	4.57698043	0.100391686	1.242E-05	0.025277	0.885261	0.056821	0.392211	0.36961339	5.667342
4622	482363.09	3859877.25	0.46734	0.22359	0.59457	0.584	1.72309	0.42433	0.22743	0.22359	4.79533255	0.10062571	1.508E-05	0.030252	0.794604	0.058704	0.39266	0.370475	5.801718
4623	482863.09	3859877.25	0.49878	0.22343	1.01168	0.65969	1.41365	0.45335	0.22716	0.22343	5.11793548	0.100553702	2.566E-05	0.034173	0.651905	0.062719	0.392194	0.37020989	5.989296
4624	483363.09	3859877.25	0.52512	0.2276	0.72071	0.6854	1.88329	0.48765	0.23085	0.2276	5.38820779	0.102430393	1.828E-05	0.035505	0.86848	0.067464	0.398565	0.37711933	6.483551
4625	483863.09	3859877.25	0.52406	0.25325	0.5145	0.62406	2.12965	0.5655	0.2504	0.25325	5.37733122	0.113974064	1.305E-05	0.032327	0.982089	0.078234	0.432318	0.41961981	6.596667
4626	484363.09	3859877.25	0.56658	0.27941	0.83365	0.58734	1.8118	0.62089	0.28055	0.27941	5.81362501	0.125747258	2.115E-05	0.030425	0.835512	0.085897	0.484372	0.46296534	6.912635
4627	484863.09	3859877.25	0.62602	0.32194	0.96404	0.63067	2.71312	0.74031	0.32278	0.32194	6.42353336	0.1448877	2.446E-05	0.03267	1.251156	0.102418	0.557283	0.53343496	7.978538
4628	485363.09	3859877.25	0.69852	0.34077	1.04841	0.73207	2.64817	0.89174	0.34093	0.34077	7.16744916	0.15336206	2.66E-05	0.037922	1.221205	0.123368	0.588619	0.56463512	8.727316
4629	485863.09	3859877.25	0.7684	0.32794	1.54403	0.7379	1.86205	0.91359	0.32702	0.32794	7.88448138	0.147587974	3.917E-05	0.038224	0.858685	0.126391	0.564603	0.54337659	9.076635
4630	486363.09	3859877.25	0.92017	0.45439	1.15918	0.8072	1.83176	0.94378	0.45734	0.45439	9.44177932	0.204496248	2.941E-05	0.041814	0.844717	0.130567	0.789602	0.75289654	10.70011
4631	486863.09	3859877.25	1.06705	0.59008	1.66599	0.7589	2.01453	1.43828	0.59306	0.59008	10.9489014	0.265562944	4.226E-05	0.039312	0.929001	0.198979	1.023924	0.9777266	12.428
4632	487363.09	3859877.25	1.98908	0.65433	1.05434	0.86177	3.07722	1.95713	0.65622	0.65433	20.409766	0.294478378	2.675E-05	0.044641	1.419061	0.270759	1.13297	1.08418493	22.48752
4633	487863.09	3859877.25	2.67234	0.61118	1.38904	0.97856	2.1784	1.93757	0.59132	0.61118	27.4206338	0.275058908	3.524E-05	0.050691	1.00457	0.268053	1.02092	1.01268801	29.02727
4634	488363.09	3859877.25	2.41676	0.602	1.64647	1.164	3.15818	4.88383	0.46986	0.602	24.798151	0.270927489	4.177E-05	0.060297	1.456396	0.675654	0.811218	0.99747731	27.07521
4635	488863.09	3859877.25	1.87961	0.58548	2.35758	2.22071	2.55918	1.21466	0.58267	0.58548	19.2865045	0.263492734	5.981E-05	0.115036	1.180167	0.168042	1.005986	0.97010468	21.04918
4636	489363.09	3859877.25	1.64537	0.71308	2.81685	1.86553	7.11764	1.47252	0.94275	0.71308	16.8829895	0.320918561	7.146E-05	0.096637	3.282302	0.203716	1.627667	1.1815301	21.23277
4637	489863.09	3859877.25	1.30927	0.97183	1.32349	1.88015	4.32231	1.37124	1.12569	0.97183	13.4342985	0.437367876	3.357E-05	0.097394	1.993235	0.189704	1.943515	1.61026308	16.48529
4638	490363.09	3859877.25	1.33095	1.95738	3.11143	2.56096	1.93448	1.94007	1.55527	1.95738	13.6567549	0.880910378	7.893E-05	0.132661	0.892086	0.268399	2.685189	3.24325936	15.27282
4639	490863.09	3859877.25	1.7163	3.7838	2.67867	8.50145	1.99531	6.7839	3.97727	3.7838	17.6107957	1.702882776	6.795E-05	0.440387	0.920138	0.938519	6.866797	6.26952598	22.21006
4640	491363.09	3859877.25	0.96491	1.08612	1.85914	3.37007	2.21606	1.99566	1.18456	1.08612	9.90085233	0.488803595	4.716E-05	0.174574	1.021937	0.27609	2.045155	1.79963464	12.10782
4641	491863.09	3859877.25	0.76889	0.74335	1.62024	1.74063	2.77444	1.26244	0.87804	0.74335	7.88950923	0.334541443	4.11E-05	0.090167	1.279434	0.174652	1.515945	1.23168564	10.0526
4642	492363.09	3859877.25	0.68712	0.58557	1.43125	1.26107	3.09226	0.99378	0.65927	0.58557	7.05047481	0.263533238	3.631E-05	0.065325	1.425997	0.137485	1.138236	0.9702538	9.110833
4643	492863.09	3859877.25	0.70879	0.44643	0.99675	0.90303	2.29714	0.75118	0.47823	0.44643	7.27282868	0.200913885	2.529E-05	0.046778	1.059327	0.103922	0.825669	0.7397073	8.769757
4644	493363.09	3859877.25	0.70728	0.35979	0.79456	0.8406	1.71061	0.79897	0.37019	0.35979	7.25733471	0.161921929	2.016E-05	0.043544	0.788848	0.110534	0.639137	0.5961501	8.40519
4645	493863.09	3859877.25	0.69492	0.28625	0.64579	0.82426	1.94434	0.6722	0.28422	0.28625	7.13050989	0.128825571	1.638E-05	0.042698	0.896633	0.092996	0.490709	0.4742988	8.308088
4646	494363.09	3859877.25	0.68251	0.26314	0.5993	0.81588	2.07042	0.84694	0.26336	0.26314	7.00317203	0.118425016	1.52E-05	0.042264	0.954775	0.11717	0.454694	0.43600694	8.254508
4647	494863.09	3859877.25	0.64972	0.25034	0.58546	0.77684	1.74033	2.93347	0.2487	0.25034	6.66671687	0.112664431	1.485E-05	0.040241	0.802554	0.405831	0.429383	0.41479812	8.042608
4648	495363.09	3859877.25	0.62121	0.23609	0.50145	0.68301	1.94349	0.79136	0.23888	0.23609	6.3741784	0.10625128	1.272E-05	0.035381	0.896241	0.109481	0.412429	0.39118674	7.542787
4649	495863.09	3859877.25	0.59314	0.21703	0.39258	0.58618	1.67673	0.66557	0.22406	0.21703	6.08615472	0.09767341	9.959E-06	0.030365	0.773225	0.092078	0.386842	0.35960548	7.106742
4650	496363.09	3859877.25	0.55995	0.19502	0.3141	0.40116	1.54916	0.4931	0.19659	0.19502	5.7455952	0.087767905	7.968E-06	0.020781	0.714396	0.068218	0.339415	0.32313625	6.653044
4651	496863.09	3859877.25	0.49214	0.12231	0.19189	0.28549	0.97786	0.46087	0.12945	0.12231	5.04980305	0.055045085	4.868E-06	0.014789	0.45094	0.063759	0.223497	0.20266022	5.655178
4652	497363.09	3859877.25	0.47457	0.11816	0.23597	0.33377	1.601	0.52425	0.14758	0.11816	4.86951891	0.053177395	5.986E-06	0.01729	0.738302	0.072527	0.254798	0.19578392	5.809836
4653	497863.09	3859877.25	0.42922	0.17453	0.32195	0.46059	1.7636	0.61501	0.20387	0.17453	4.40418675	0.078546469	8.167E-06	0.023859	0.813285	0.085084	0.351984	0.28918557	5.467767
4654	498363.09	3859877.25	0.36999	0.18024	0.39024	0.43088	1.21672	0.57483	0.20585	0.18024	3.79643319	0.08111623	9.9E-06	0.02232	0.561091	0.079525	0.355402	0.29864669	4.597251
4655	471363.09	3860377.25	0.34373	0.08894	0.18293	0.17488	1.09052	0.17265	0.08765	0.08894	3.52698176	0.040027061	4.641E-06	0.009059	0.502894	0.023885	0.151329	0.14736816	4.106812
4656	471863.09	3860377.25	0.339	0.08955	0.14505	0.17572	1.04876	0.17373	0.08871	0.08955	3.47844767	0.040301589	3.68E-06	0.009103	0.483636	0.024035	0.153159	0.14837889	4.040306
4657	472363.09	3860377.25	0.3284	0.09015	0.17082	0.18681	1.19784	0.17492	0.09085	0.09015	3.36968205	0.040571616	4.333E-06	0.009677	0.552384	0.024199	0.156853	0.14937306	4.003999
4658	472863.09	3860377.25	0.3132	0.0925	0.21277	0.19575	1.29849	0.17841	0.09347	0.0925	3.21371625	0.041629224	5.398E-06	0.01014	0.598799	0.024682	0.161377	0.15326686	3.897082
4659	473363.09	3860377.25	0.29817	0.09333	0.26842	0.20321	1.36086	0.19756	0.09432	0.09333	3.05949481	0.042002762	6.809E-06	0.010527	0.627561	0.027331	0.162844	0.15464212	3.775126
4660	473863.09	3860377.25	0.28545	0.0919	0.32659	0.2097	1.39224	0.21025	0.09221	0.0919	2.92897607	0.041359196	8.285E-06	0.010863	0.642032	0.029087	0.159201	0.1522727	3.659254
4661	474363.09	3860377.25	0.28191	0.09223	0.28796	0.2095	1.37946	0.19967	0.09259	0.09223	2.89265245	0.041507711	7.305E-06	0.010852	0.636138	0.027623	0.159858	0.15281949	3.61582
4662	474863.09	3860377.25	0.28	0.09258	0.2311	0.18925	1.22447	0.1795	0.09138	0.09258	2.87305412	0.041665227	5.863E-06	0.009803	0.564665	0.024833	0.157768	0.15339942	3.518395
4663	475363.09	3860377.25	0.2761	0.08783	0.18588	0.15848	1.09342	0.15376	0.08963	0.08783	2.83303658	0.039527511	4.715E-06	0.008209	0.504231	0.021272	0.154747	0.14552896	3.415499
4664	475863.09	3860377.25	0.27642	0.08758	0.16351	0.1426	1.30873	0.15175	0.08865	0.08758	2.83632007	0.039414999	4.148E-06	0.007387	0.603521	0.020994	0.153055	0.14511472	3.515582
4665	476363.09	3860377.25	0.2492	0.0832	0.1556	0.11154	0.78976	0.14123	0.08589	0.0832	2.55701817	0.037443799	3.947E-06	0.005778	0.364198	0.019538	0.14829	0.13785733	2.994413
4666	476863.09	3860377.25	0.25273	0.08374	0.15556	0.10878	0.75556	0.15496	0.08623	0.08374	2.59323917	0.037686824	3.946E-06	0.005635	0.348427	0.021438	0.148877	0.13875208	3.016555
4667	477363.09	3860377.25	0.17991	0.06758	0.11891	0.11225	0.71543	0.16699	0.07559	0.06758	1.84603988	0.030414086	3.016E-06	0.005815	0.329921	0.023102	0.130507	0.11197594	2.253826
4668	477863.09	3860377.25	0.1901	0.0728	0.18684	0.11655	0.61948	0.18007	0.08648	0.0728	1.95059853	0.032763324	4.74E-06	0.006037	0.285673	0.024912	0.149309	0.12062516	2.328673
4669	478363.09	3860377.25	0.33168	0.09002	0.197	0.16075	0.74405	0.19481	0.09253	0.09002	3.40333782	0.040513111	4.997E-06	0.008327	0.343119	0.026951	0.159754	0.14915765	3.832849
4670	478863.09	3860377.25	0.42874	0.09459	0.3326	0.23617	1.08666	0.22557	0.09635	0.09459	4.39926151	0.042569819	8.437E-06	0.012234	0.501114	0.031207	0.166349	0.15672986	4.996013

4671	479363.09	3860377.25	0.45643	0.10719	0.29137	0.33049	1.58704	0.34032	0.09933	0.10719	4.68338604	0.048240395	7.391E-06	0.01712	0.731864	0.047082	0.171494	0.1776073	5.521586
4672	479863.09	3860377.25	0.44369	0.12666	0.44629	0.44389	1.93582	0.35917	0.12517	0.12666	4.55266208	0.057002784	1.132E-05	0.022994	0.892704	0.049689	0.216107	0.2098679	5.581303
4673	480363.09	3860377.25	0.42622	0.15665	0.58322	0.50468	1.71311	0.36113	0.16025	0.15665	4.37340403	0.070499653	1.48E-05	0.026143	0.790001	0.049961	0.276673	0.2595595	5.327137
4674	480863.09	3860377.25	0.41935	0.19074	0.6811	0.51983	1.56167	0.34894	0.19447	0.19074	4.30291159	0.08584171	1.728E-05	0.026928	0.720165	0.048274	0.335754	0.31604455	5.203847
4675	481363.09	3860377.25	0.4263	0.21284	0.60495	0.51368	1.40069	0.36061	0.21667	0.21284	4.3742249	0.095787719	1.535E-05	0.026609	0.645929	0.049889	0.374083	0.35266291	5.213875
4676	481863.09	3860377.25	0.43757	0.23888	0.65883	0.47231	1.22608	0.36489	0.24271	0.23888	4.48986533	0.107506908	1.671E-05	0.024466	0.565407	0.050481	0.419041	0.3958096	5.260975
4677	482363.09	3860377.25	0.45355	0.2581	0.51096	0.47851	1.30604	0.38806	0.26207	0.2581	4.65383463	0.116156785	1.296E-05	0.024787	0.602281	0.053686	0.452467	0.42765597	5.475569
4678	482863.09	3860377.25	0.46718	0.27311	0.5179	0.53215	1.85412	0.44991	0.27724	0.27311	4.7936908	0.122911971	1.314E-05	0.027566	0.855028	0.062243	0.478658	0.45252662	5.887584
4679	483363.09	3860377.25	0.46828	0.31	0.71233	0.50712	1.89668	0.52737	0.31249	0.31	4.8049778	0.139514155	1.807E-05	0.02627	0.874655	0.072959	0.539517	0.51365111	5.944259
4680	483863.09	3860377.25	0.48586	0.3268	0.90759	0.55175	1.7211	0.59449	0.3287	0.3268	4.98536455	0.147074922	2.302E-05	0.028581	0.793686	0.082245	0.567504	0.54148768	6.062991
4681	484363.09	3860377.25	0.49474	0.35936	0.73522	0.54578	2.39228	0.63857	0.35732	0.35936	5.07648141	0.161728409	1.865E-05	0.028272	1.103201	0.088343	0.616917	0.59543762	6.479523
4682	484863.09	3860377.25	0.53593	0.36184	0.93647	0.59165	2.27726	0.63587	0.36155	0.36184	5.4991282	0.162844522	2.376E-05	0.030648	1.050159	0.08797	0.62422	0.59954683	6.855446
4683	485363.09	3860377.25	0.5762	0.39326	0.71722	0.61295	1.5857	0.59031	0.38206	0.39326	5.91233495	0.176984957	1.819E-05	0.031752	0.731246	0.081667	0.65963	0.65160785	6.942025
4684	485863.09	3860377.25	0.60883	0.45906	0.98196	0.54495	1.77115	0.72746	0.4107	0.45906	6.24714836	0.206597962	2.491E-05	0.028229	0.816766	0.100641	0.709078	0.76063444	7.347851
4685	486363.09	3860377.25	0.73917	0.46945	1.08366	0.53459	1.79906	0.90462	0.41477	0.46945	7.58455505	0.211273936	2.749E-05	0.027693	0.829637	0.12515	0.716105	0.77785004	8.71659
4686	486863.09	3860377.25	0.88996	0.41336	0.76563	0.75506	1.83575	1.11411	0.37184	0.41336	9.13179731	0.186030875	1.942E-05	0.039113	0.846557	0.154132	0.641986	0.68491233	10.31472
4687	487363.09	3860377.25	1.22331	0.43595	1.00364	0.76635	3.15219	1.47256	0.43814	0.43595	12.5522708	0.196197406	2.546E-05	0.039698	1.453634	0.203721	0.756453	0.72234258	14.47966
4688	487863.09	3860377.25	2.52082	0.48288	1.03026	0.9233	1.65477	1.88521	0.48416	0.48288	25.865901	0.217318049	2.614E-05	0.047828	0.763098	0.26081	0.835907	0.80010273	27.19079
4689	488363.09	3860377.25	2.72174	0.55801	1.46642	1.09293	2.18701	3.2933	0.48984	0.55801	27.9275226	0.25112998	3.72E-05	0.056615	1.00854	0.455612	0.845714	0.92458856	29.62058
4690	488863.09	3860377.25	2.27138	0.69825	1.37223	2.06122	2.43068	1.20506	0.70303	0.69825	23.3064202	0.314244384	3.481E-05	0.106774	1.120909	0.166714	1.213788	1.15695769	25.07193
4691	489363.09	3860377.25	1.42216	0.84206	1.78532	1.77944	4.08516	0.91565	0.84545	0.84206	14.5926523	0.37896545	4.529E-05	0.092177	1.883873	0.126676	1.459678	1.3952421	17.13883
4692	489863.09	3860377.25	1.16496	0.72074	1.7155	1.04721	5.44189	1.10996	0.79093	0.72074	11.9535469	0.324365911	4.352E-05	0.054247	2.50953	0.153558	1.365549	1.19422225	15.16662
4693	490363.09	3860377.25	1.0954	0.64317	1.24473	1.47734	3.37449	1.1365	0.731	0.64317	11.2397982	0.289455868	3.158E-05	0.076528	1.556147	0.157229	1.262079	1.06569349	13.51558
4694	490863.09	3860377.25	1.07852	0.89864	1.60978	1.3696	1.43182	1.01431	0.91617	0.89864	11.066594	0.404429034	4.084E-05	0.070947	0.660284	0.140325	1.581777	1.48899171	12.43541
4695	491363.09	3860377.25	1.20066	1.59136	2.28292	1.28631	1.57148	1.21051	1.35892	1.59136	12.3198613	0.716184665	5.791E-05	0.066633	0.724689	0.167468	2.346189	2.63678653	13.7043
4696	491863.09	3860377.25	1.42584	1.59978	1.55992	2.04644	1.33028	1.71465	1.6819	1.59978	14.6304125	0.719974049	3.957E-05	0.106008	0.613459	0.237213	2.903817	2.65073796	16.56019
4697	492363.09	3860377.25	0.83507	0.98305	1.38528	2.64793	1.90717	3.18307	0.93903	0.98305	8.56857609	0.442417388	3.514E-05	0.137166	0.879492	0.440362	1.621245	1.62885393	10.46044
4698	492863.09	3860377.25	0.63695	0.69555	1.07635	1.47819	2.34219	3.39416	0.69399	0.69555	6.53568508	0.31302926	2.73E-05	0.076572	1.080102	0.469565	1.198181	1.15248396	8.520678
4699	493363.09	3860377.25	0.56566	0.56168	1.00016	1.2426	2.37541	1.39912	0.56059	0.56168	5.80418498	0.252781647	2.537E-05	0.064368	1.095421	0.193561	0.967864	0.93066953	7.447538
4700	493863.09	3860377.25	0.49483	0.41388	1.00183	0.84225	1.71738	1.05554	0.43184	0.41388	5.0774049	0.186264899	2.541E-05	0.04363	0.79197	0.146029	0.745576	0.68577393	6.305126
4701	494363.09	3860377.25	0.49469	0.3549	0.94901	0.66424	1.24973	0.90211	0.36149	0.3549	5.07596837	0.159721205	2.407E-05	0.034409	0.576313	0.124803	0.624116	0.58804767	6.007307
4702	494863.09	3860377.25	0.47341	0.32171	0.82259	0.57091	1.51549	2.49254	0.32415	0.32171	4.85761626	0.14478419	2.087E-05	0.029574	0.698869	0.344831	0.559648	0.53305386	6.102289
4703	495363.09	3860377.25	0.46428	0.27852	0.64051	0.57266	1.47617	1.01007	0.28044	0.27852	4.76393417	0.125346718	1.625E-05	0.029665	0.680736	0.139738	0.484183	0.46149066	5.762128
4704	495863.09	3860377.25	0.46103	0.22442	0.50898	0.46946	1.50521	0.68702	0.21846	0.22442	4.73058622	0.100999247	1.291E-05	0.024319	0.694128	0.095046	0.377173	0.37185026	5.650414
4705	496363.09	3860377.25	0.46133	0.2088	0.34131	0.41909	1.52053	0.60895	0.21858	0.2088	4.73366449	0.093969534	8.658E-06	0.021709	0.701193	0.084245	0.377381	0.34596887	5.666202
4706	496863.09	3860377.25	0.45024	0.21802	0.28457	0.33313	1.60334	0.43569	0.22069	0.21802	4.61987103	0.098118955	7.219E-06	0.017257	0.739381	0.060276	0.381024	0.36124585	5.554688
4707	497363.09	3860377.25	0.44385	0.18608	0.26944	0.28689	1.16783	0.36375	0.18738	0.18608	4.55430383	0.083744497	6.835E-06	0.014861	0.538545	0.050323	0.323513	0.30832322	5.256975
4708	497863.09	3860377.25	0.41137	0.13182	0.27097	0.34775	1.26849	0.48422	0.14413	0.13182	4.22102955	0.059325019	6.874E-06	0.018014	0.584965	0.066989	0.248842	0.21841771	4.980754
4709	498363.09	3860377.25	0.37821	0.18698	0.35387	0.33655	1.12959	0.53835	0.19239	0.18698	3.88077785	0.084149538	8.977E-06	0.017434	0.520911	0.074478	0.332163	0.30981446	4.600108
4710	471363.09	3860877.25	0.30045	0.08872	0.22621	0.16752	1.17025	0.19235	0.08492	0.08872	3.08288968	0.039928051	5.738E-06	0.008678	0.539661	0.026611	0.146615	0.14700363	3.697385
4711	471863.09	3860877.25	0.28613	0.08925	0.23857	0.16428	1.152	0.20371	0.0856	0.08925	2.93595348	0.040166575	6.052E-06	0.00851	0.531245	0.028182	0.147789	0.14788181	3.543971
4712	472363.09	3860877.25	0.272	0.08979	0.27875	0.16484	1.09387	0.21186	0.08834	0.08979	2.79096686	0.0404096	7.071E-06	0.008539	0.504439	0.02931	0.15252	0.14877656	3.377414
4713	472863.09	3860877.25	0.25654	0.09056	0.3157	0.17834	0.98713	0.22102	0.09083	0.09056	2.63233323	0.040756135	8.009E-06	0.009238	0.455215	0.030577	0.156819	0.1500524	3.174895
4714	473363.09	3860877.25	0.24665	0.09138	0.28969	0.19822	0.98586	0.22194	0.09175	0.09138	2.53085285	0.041125173	7.349E-06	0.010268	0.45463	0.030704	0.158407	0.15141109	3.074584
4715	473863.09	3860877.25	0.24983	0.09242	0.22456	0.22396	1.19084	0.22591	0.08934	0.09242	2.56348254	0.04159322	5.697E-06	0.011601	0.549156	0.031254	0.154246	0.15313431	3.198205
4716	474363.09	3860877.25	0.25825	0.09367	0.31467	0.25391	1.35276	0.24002	0.08838	0.09367	2.64987938	0.042155777	7.982E-06	0.013153	0.623826	0.033206	0.152589	0.15520548	3.359611
4717	474863.09	3860877.25	0.28182	0.09539	0.27487	0.27916	1.44422	0.25014	0.09013	0.09539	2.89172897	0.042929856	6.973E-06	0.014461	0.666003	0.034606	0.15561	0.15805542	3.64729
4718	475363.09	3860877.25	0.30795	0.09723	0.21303	0.29994	1.42789	0.23093	0.09413	0.09723	3.15984649	0.04375794	5.404E-06	0.015537	0.658472	0.031948	0.162516	0.16110418	3.910979
4719	475863.09	3860877.25	0.33209	0.09881	0.22181	0.28628	1.30631	0.21639	0.09265	0.09881	3.4075448	0.044469012	5.627E-06	0.01483	0.602405	0.029936	0.159961	0.16372215	4.09543
4720	476363.09	3860877.25	0.3418	0.08922	0.24868	0.23008	1.09841	0.20564	0.09094	0.08922	3.50717821	0.040153074	6.308E-06	0.011918	0.506532	0.028449	0.157009	0.1478321	4.103414
4721	476863.09	3860877.25	0.35786	0.08854	0.16289	0.20707	0.90412	0.20863	0.0901	0.08854	3.67196838	0.039847043	4.132E-06	0.010727	0.416935	0.028863	0.155559	0.14670538	4.177197
4722	477363.09	3860877.25	0.38345	0.0888	0.16506	0.24016	0.92148	0.21315	0.09037	0.0888	3.93454501	0.039964055	4.187E-06	0.012441	0.424941	0.029488	0.156025	0.14713619	4.450272
4723	477863.09	3860877.25	0.37474	0.07773	0.14957	0.22206	0.68932	0.20883	0.07975	0.07773	3.8451725	0.034982049	3.794E-06	0.011503	0.31788	0.028891	0.137689	0.12879387	4.247327
4724	478363.09	3860877.25	0.29349	0.07542	0.09823	0.15697	0.5938	0.2109	0.07858	0.07542	3.01147376	0.033942444	2.492E-06	0.008131	0.273831	0.029177	0.135669	0.12496634	3.367261
4725	478863.09	3860877.25	0.41894	0.08399	0.27706	0.30306	1.10978	0.21125	0.08549	0.08399	4.29870462	0.037799335	7.028E-06	0.015699	0.511775	0.029225	0.147599	0.13916631	4.901644
4726	479363.09	3860877.25	0.42673	0.10557	0.31291	0.37533	1.46897	0.31827	0.09545	0.10557	4.37863709	0.047511321	7.938E-06	0.019443	0.677416	0.044031	0.164795	0.17492306	5.156918
4727	479863.09	3860877.25	0.41026	0.10727	0.49199	0.36426	1.47294	0.29926	0.10325	0.10727	4.20963994	0.048276398	1.248E-05	0.018869	0.679247	0.041401	0.178262	0.17773985	4.997968

4728	480363.09	3860877.25	0.3931	0.13377	0.54121	0.41671	1.16318	0.29178	0.13165	0.13377	4.03356277	0.060202608	1.373E-05	0.021586	0.536401	0.040366	0.227295	0.22164874	4.697779
4729	480863.09	3860877.25	0.38677	0.15379	0.51816	0.46692	1.07143	0.31581	0.15165	0.15379	3.96861122	0.069212522	1.314E-05	0.024187	0.49409	0.043691	0.261825	0.25482066	4.60681
4730	481363.09	3860877.25	0.38548	0.17109	0.63502	0.47772	1.20216	0.33553	0.1695	0.17109	3.95537465	0.076998312	1.611E-05	0.024747	0.554377	0.046419	0.292643	0.2834857	4.667089
4731	481863.09	3860877.25	0.38995	0.20943	0.59171	0.43099	1.40991	0.38476	0.18047	0.20943	4.00124091	0.094253063	1.501E-05	0.022326	0.650181	0.05323	0.311583	0.34701275	4.785816
4732	482363.09	3860877.25	0.39018	0.19968	0.58638	0.42732	1.68814	0.4425	0.19747	0.19968	4.00360092	0.089865118	1.488E-05	0.022136	0.778486	0.061218	0.340934	0.33085759	4.965397
4733	482863.09	3860877.25	0.40247	0.20999	0.77102	0.44301	1.51005	0.45364	0.20843	0.20999	4.12970747	0.094505089	1.956E-05	0.022949	0.69636	0.062759	0.359857	0.34794063	5.018216
4734	483363.09	3860877.25	0.42918	0.22228	0.69802	0.46332	1.6042	0.49342	0.2204	0.22228	4.40377631	0.10003615	1.771E-05	0.024001	0.739777	0.068262	0.380523	0.36830441	5.348089
4735	483863.09	3860877.25	0.45711	0.24139	0.67932	0.51089	2.24059	0.5485	0.2427	0.24139	4.69036346	0.108636522	1.723E-05	0.026465	1.033249	0.075882	0.419024	0.39996852	5.953669
4736	484363.09	3860877.25	0.47913	0.29718	0.89737	0.49101	2.058	0.51537	0.29685	0.29718	4.91630865	0.13374457	2.276E-05	0.025435	0.949047	0.071299	0.512515	0.49240915	6.115963
4737	484863.09	3860877.25	0.49492	0.34345	0.55902	0.45656	1.30375	0.50339	0.34323	0.34345	5.07832838	0.154568183	1.418E-05	0.02365	0.601225	0.069642	0.59259	0.56907572	5.950942
4738	485363.09	3860877.25	0.54146	0.38065	0.73198	0.45574	1.57968	0.56375	0.38047	0.38065	5.55587102	0.171309881	1.857E-05	0.023608	0.72847	0.077992	0.656885	0.63071385	6.583441
4739	485863.09	3860877.25	0.5433	0.41682	1.20082	0.57212	1.44522	0.63093	0.4175	0.41682	5.57475109	0.187588033	3.046E-05	0.029637	0.666464	0.087286	0.720818	0.69064534	6.575929
4740	486363.09	3860877.25	0.62414	0.45543	0.86918	0.64503	1.44577	0.75861	0.45574	0.45543	6.40424285	0.204964296	2.205E-05	0.033413	0.666717	0.10495	0.78684	0.75461975	7.44653
4741	486863.09	3860877.25	0.75385	0.48941	0.82208	0.61774	1.54595	1.00518	0.49001	0.48941	7.73518518	0.220256847	2.085E-05	0.032	0.712915	0.139062	0.846007	0.81092254	8.874524
4742	487363.09	3860877.25	0.90148	0.52262	0.82326	0.76817	3.1407	1.29257	0.52323	0.52262	9.25000296	0.235202864	2.088E-05	0.039792	1.448335	0.178821	0.903362	0.86594949	11.18959
4743	487863.09	3860877.25	1.45336	0.55018	0.95563	0.79332	1.28469	1.94222	0.55063	0.55018	14.9127926	0.247606122	2.424E-05	0.041095	0.592435	0.268697	0.950668	0.91161473	16.1017
4744	488363.09	3860877.25	2.58309	0.58324	1.14542	0.82174	1.50065	1.59227	0.58476	0.58324	26.5048477	0.262484632	2.906E-05	0.042567	0.692025	0.220283	1.009594	0.96639313	27.76544
4745	488863.09	3860877.25	2.32694	0.62271	1.3779	1.77547	2.53955	1.11074	0.64173	0.62271	23.8765163	0.280247934	3.495E-05	0.091972	1.171114	0.153665	1.107953	1.03179252	25.64971
4746	489363.09	3860877.25	1.81514	0.62911	1.39035	1.68435	1.6794	0.90318	0.66659	0.62911	18.6249838	0.283128226	3.527E-05	0.087252	0.774456	0.124951	1.150874	1.04239693	20.00328
4747	489863.09	3860877.25	0.99616	0.66456	1.06769	0.82391	4.45698	0.68561	0.69427	0.66456	10.2215057	0.299082345	2.708E-05	0.04268	2.055338	0.094851	1.198664	1.10113542	12.81101
4748	490363.09	3860877.25	0.94757	0.80504	1.47371	0.63895	3.57726	0.75728	0.80895	0.80504	9.72292819	0.36230476	3.738E-05	0.033099	1.649655	0.104766	1.39666	1.33390221	11.93555
4749	490863.09	3860877.25	0.94198	1.08152	1.03131	0.81263	2.61063	0.85338	1.09216	1.08152	9.66556972	0.486733384	2.616E-05	0.042095	1.203893	0.118061	1.885625	1.79201272	11.60999
4750	491363.09	3860877.25	0.91066	1.47654	1.07198	1.02986	1.16046	0.80941	1.47444	1.47654	9.34419809	0.664510422	2.719E-05	0.053348	0.535147	0.111978	2.545636	2.44653679	10.80831
4751	491863.09	3860877.25	0.92352	1.34635	1.59079	0.9254	1.32886	0.77716	1.34566	1.34635	9.47615336	0.605918977	4.035E-05	0.047937	0.612804	0.107516	2.323296	2.23081989	10.94285
4752	492363.09	3860877.25	1.00342	2.20302	1.81985	1.08819	0.91886	0.97554	2.31789	2.20302	10.2959999	0.991459595	4.617E-05	0.05637	0.423733	0.134961	4.001861	3.65026987	12.25416
4753	492863.09	3860877.25	0.84653	0.93142	1.24819	1.25602	1.41922	1.1827	0.94791	0.93142	8.68616609	0.419181531	3.166E-05	0.065064	0.654474	0.163621	1.636576	1.54330617	10.08181
4754	493363.09	3860877.25	0.67556	0.72796	1.09464	1.18981	1.54298	1.50388	0.74421	0.72796	6.93185872	0.32761524	2.777E-05	0.061634	0.711546	0.208054	1.284886	1.20618535	8.319437
4755	493863.09	3860877.25	0.55148	0.59283	0.84887	1.00384	1.95455	2.28089	0.55914	0.59283	5.65868531	0.26680057	2.153E-05	0.052	0.901341	0.31555	0.965361	0.98228318	7.177477
4756	494363.09	3860877.25	0.47547	0.48333	0.74084	0.71498	1.76484	4.68206	0.47378	0.48333	4.87875372	0.21752057	1.879E-05	0.037037	0.813857	0.64774	0.817986	0.80084835	6.612064
4757	494863.09	3860877.25	0.43403	0.40544	0.7414	0.65063	1.33105	2.29095	0.38503	0.40544	4.45354172	0.182466513	1.881E-05	0.033704	0.613814	0.316942	0.664758	0.67178937	5.593455
4758	495363.09	3860877.25	0.40226	0.33092	0.73722	0.51708	0.91675	1.30532	0.31477	0.33092	4.12755268	0.148929111	1.87E-05	0.026785	0.42276	0.180585	0.543454	0.54831427	4.90177
4759	495863.09	3860877.25	0.36525	0.29447	0.66218	0.50971	1.18812	0.97493	0.28915	0.29447	3.74779649	0.132524946	1.68E-05	0.026404	0.547902	0.134877	0.49922	0.48791884	4.600822
4760	496363.09	3860877.25	0.35804	0.277	0.67655	0.53128	1.26161	0.85454	0.24252	0.277	3.67381535	0.124662648	1.716E-05	0.027521	0.581792	0.118221	0.418713	0.45897212	4.485771
4761	496863.09	3860877.25	0.37663	0.24306	0.56133	0.42029	1.3681	0.47578	0.23337	0.24306	3.86456562	0.109388099	1.424E-05	0.021772	0.6309	0.065822	0.402916	0.40273561	4.692641
4762	497363.09	3860877.25	0.37425	0.23038	0.50103	0.41265	1.12079	0.46645	0.22201	0.23038	3.84014466	0.10368152	1.271E-05	0.021376	0.516853	0.064531	0.383303	0.38172562	4.548175
4763	497863.09	3860877.25	0.3763	0.1903	0.39782	0.39366	1.27134	0.41486	0.18425	0.1903	3.86117952	0.085643689	1.009E-05	0.020392	0.586279	0.057394	0.318109	0.3153155	4.613692
4764	498363.09	3860877.25	0.36417	0.23949	0.44383	0.34261	1.05	0.53446	0.22917	0.23949	3.73671471	0.107781436	1.126E-05	0.017748	0.484208	0.07394	0.395664	0.39682033	4.419247
4765	471363.09	3861377.25	0.24703	0.08874	0.27706	0.19891	0.86263	0.19502	0.08553	0.08874	2.534752	0.039937052	7.028E-06	0.010304	0.397802	0.02698	0.147668	0.14703677	3.010414
4766	471863.09	3861377.25	0.23751	0.08999	0.28234	0.21418	1.05304	0.21399	0.08605	0.08999	2.43706816	0.040499609	7.162E-06	0.011095	0.48561	0.029604	0.148566	0.14910795	3.003342
4767	472363.09	3861377.25	0.23069	0.09077	0.24353	0.22767	1.22118	0.23004	0.08655	0.09077	2.36708877	0.040850645	6.178E-06	0.011794	0.563148	0.031825	0.149429	0.15040036	3.013741
4768	472863.09	3861377.25	0.2335	0.09211	0.20127	0.23454	1.34433	0.24367	0.08873	0.09211	2.39592192	0.041453706	5.106E-06	0.012149	0.619938	0.033711	0.153193	0.15262066	3.103752
4769	473363.09	3861377.25	0.23744	0.0937	0.25883	0.24282	1.38793	0.24943	0.08904	0.0937	2.43634989	0.042169279	6.566E-06	0.012578	0.640044	0.034507	0.153728	0.15525519	3.164129
4770	473863.09	3861377.25	0.25882	0.09527	0.29372	0.25218	1.33749	0.24561	0.08778	0.09527	2.6557281	0.04287585	7.451E-06	0.013063	0.616784	0.033979	0.151553	0.15785658	3.356134
4771	474363.09	3861377.25	0.28157	0.09713	0.2225	0.24869	1.2152	0.24924	0.08841	0.09713	2.88916375	0.043712935	5.644E-06	0.012882	0.56039	0.034481	0.152641	0.16093849	3.532338
4772	474863.09	3861377.25	0.3061	0.09864	0.23032	0.28414	1.00819	0.27189	0.08858	0.09864	3.14086381	0.044392504	5.843E-06	0.014719	0.464927	0.037615	0.152934	0.16344047	3.692017
4773	475363.09	3861377.25	0.32675	0.10031	0.24953	0.31659	0.90343	0.29546	0.09043	0.10031	3.35275155	0.04514408	6.33E-06	0.0164	0.416617	0.040875	0.156128	0.16620756	3.861715
4774	475863.09	3861377.25	0.35103	0.10102	0.24503	0.3562	0.97012	0.31392	0.09631	0.10102	3.60188639	0.045463613	6.216E-06	0.018452	0.447371	0.043429	0.16628	0.16738398	4.155505
4775	476363.09	3861377.25	0.37555	0.10094	0.33013	0.36974	0.96817	0.32241	0.0952	0.10094	3.85348384	0.045427609	8.375E-06	0.019153	0.446472	0.044604	0.164364	0.16725143	4.406261
4776	476863.09	3861377.25	0.3954	0.10086	0.29778	0.34799	1.30215	0.32037	0.0935	0.10086	4.05716286	0.045391605	7.554E-06	0.018026	0.600487	0.044322	0.161429	0.16711887	4.759707
4777	477363.09	3861377.25	0.40707	0.10111	0.19866	0.29674	1.47127	0.30901	0.09316	0.10111	4.17690765	0.045504117	5.04E-06	0.015372	0.678477	0.04275	0.160842	0.16753311	4.952324
4778	477863.09	3861377.25	0.40586	0.08892	0.1879	0.27187	1.11235	0.18952	0.09062	0.08892	4.16449195	0.04001806	4.767E-06	0.014083	0.512961	0.026219	0.156456	0.14733502	4.766899
4779	478363.09	3861377.25	0.30635	0.06743	0.14656	0.20359	0.65657	0.17628	0.06356	0.06743	3.14342904	0.030346579	3.718E-06	0.010546	0.302777	0.024387	0.109737	0.1117274	3.5095
4780	478863.09	3861377.25	0.30806	0.06805	0.14279	0.26299	0.57012	0.1695	0.06611	0.06805	3.16097519	0.030625607	3.622E-06	0.013623	0.262911	0.023449	0.11414	0.1127547	3.492973
4781	479363.09	3861377.25	0.37312	0.10328	0.293	0.43186	0.93234	0.23159	0.09442	0.10328	3.82854983	0.046480716	7.433E-06	0.022371	0.429949	0.032039	0.163017	0.17112867	4.351286
4782	479863.09	3861377.25	0.35736	0.10496	0.37319	0.41951	0.96537	0.25922	0.10336	0.10496	3.66683793	0.047236793	9.467E-06	0.021731	0.445181	0.035862	0.178452	0.17391232	4.221398
4783	480363.09	3861377.25	0.33912	0.11729	0.40166	0.36361	1.11324	0.27372	0.11618	0.11729	3.47967898	0.052785856	1.019E-05	0.018836	0.513371	0.037868	0.200586	0.19434238	4.108793
4784	480863.09	3861377.25	0.33355	0.12326	0.45116	0.34423	1.0362	0.30289	0.1221	0.12326	3.42252572	0.055472628	1.144E-05	0.017832	0.477844	0.041903	0.210807	0.20423431	4.022161

4785	481363.09	3861377.25	0.33576	0.14989	0.47109	0.3564	1.39811	0.35282	0.13735	0.14989	3.44520233	0.067457344	1.195E-05	0.018462	0.644739	0.048811	0.237136	0.24835859	4.213461
4786	481863.09	3861377.25	0.34851	0.20753	0.34979	0.35524	1.45928	0.38045	0.15365	0.20753	3.5760289	0.093397976	8.873E-06	0.018402	0.672947	0.052633	0.265278	0.34386456	4.334832
4787	482363.09	3861377.25	0.36881	0.16615	0.6277	0.41471	1.13729	0.41774	0.13474	0.16615	3.78432532	0.074775087	1.592E-05	0.021483	0.524462	0.057792	0.23263	0.27530042	4.420182
4788	482863.09	3861377.25	0.3984	0.14671	0.48986	0.42622	1.48226	0.4768	0.1422	0.14671	4.08794558	0.066026199	1.243E-05	0.022079	0.683545	0.065963	0.24551	0.24308953	4.927991
4789	483363.09	3861377.25	0.43078	0.15288	0.60062	0.40486	1.98306	0.49303	0.15047	0.15288	4.42019377	0.068802981	1.524E-05	0.020972	0.914489	0.068208	0.259788	0.25331284	5.499157
4790	483863.09	3861377.25	0.45024	0.16389	0.79246	0.39261	1.84057	0.45835	0.16436	0.16389	4.61987103	0.073757984	2.01E-05	0.020338	0.84878	0.06341	0.283769	0.27155574	5.63839
4791	484363.09	3861377.25	0.45745	0.17097	0.59398	0.40565	1.10383	0.50833	0.1717	0.17097	4.69385217	0.076944307	1.507E-05	0.021013	0.509032	0.070325	0.296442	0.28328687	5.384336
4792	484863.09	3861377.25	0.46725	0.20662	0.70412	0.42408	1.37832	0.54782	0.2063	0.20662	4.79440906	0.092988435	1.786E-05	0.021968	0.635613	0.075788	0.356179	0.34235675	5.634607
4793	485363.09	3861377.25	0.51622	0.23746	0.61285	0.53494	1.322	0.57141	0.23718	0.23746	5.29688571	0.106867843	1.555E-05	0.027711	0.609641	0.079052	0.409494	0.39345675	6.136209
4794	485863.09	3861377.25	0.47991	0.26006	0.71984	0.5384	1.46416	0.57813	0.25995	0.26006	4.92431215	0.117038875	1.826E-05	0.02789	0.675198	0.079981	0.448806	0.43090357	5.842341
4795	486363.09	3861377.25	0.47306	0.29213	0.62369	0.55908	1.43426	0.52603	0.29221	0.29213	4.85402494	0.131471839	1.582E-05	0.028961	0.66141	0.072774	0.504504	0.48404161	5.769119
4796	486863.09	3861377.25	0.59107	0.32998	0.85432	0.66264	1.75667	0.56254	0.33038	0.32998	6.06491464	0.148506068	2.167E-05	0.034326	0.810089	0.077825	0.570404	0.54675675	7.159329
4797	487363.09	3861377.25	0.75416	0.37682	0.78878	0.63052	3.02767	0.7914	0.37802	0.37682	7.73836606	0.169586206	2.001E-05	0.032662	1.396211	0.109486	0.652655	0.62436777	9.474619
4798	487863.09	3861377.25	0.95485	0.43171	0.85083	0.6189	1.09171	0.91531	0.43339	0.43171	9.7976276	0.194289213	2.158E-05	0.03206	0.503442	0.126629	0.748252	0.71531716	10.687
4799	488363.09	3861377.25	1.69085	0.49739	0.80056	0.75527	0.97589	0.89155	0.49977	0.49739	17.3496556	0.223848212	2.031E-05	0.039124	0.450032	0.123342	0.862858	0.82414491	18.22473
4800	488863.09	3861377.25	1.97431	0.57179	1.07834	1.28476	2.2701	1.13973	0.57512	0.57179	20.2582124	0.257331609	2.736E-05	0.066552	1.046857	0.157676	0.992951	0.94742118	21.83219
4801	489363.09	3861377.25	1.73955	0.66024	0.72533	1.72217	0.95537	0.91032	0.66482	0.66024	17.8493618	0.297138148	1.84E-05	0.089211	0.440569	0.125938	1.147818	1.09397744	18.85608
4802	489863.09	3861377.25	1.13001	0.76024	0.75673	0.75952	2.56915	0.82798	0.76585	0.76024	11.5949282	0.342142714	1.92E-05	0.039344	1.184764	0.114547	1.322248	1.25967134	13.33832
4803	490363.09	3861377.25	0.6723	0.87598	0.78856	0.63457	3.99479	0.66291	0.88295	0.87598	6.89840816	0.394230999	2E-05	0.032872	1.842199	0.09171	1.524422	1.45144547	9.332417
4804	490863.09	3861377.25	0.73935	1.01047	0.98348	0.57375	2.27641	0.61282	1.01746	1.01047	7.58640202	0.45475764	2.495E-05	0.029721	1.049767	0.084781	1.756655	1.6742872	9.287821
4805	491363.09	3861377.25	0.7923	1.17211	0.64825	0.63563	2.03308	0.65481	1.18047	1.17211	8.12971707	0.527503021	1.644E-05	0.032927	0.937556	0.09059	2.038093	1.94211483	9.814287
4806	491863.09	3861377.25	0.80497	1.40179	0.78941	0.82658	0.96623	0.64775	1.41128	1.40179	8.25972277	0.630869509	2.003E-05	0.042818	0.445577	0.089613	2.436589	2.32268059	9.582529
4807	492363.09	3861377.25	0.80453	1.82012	1.04306	0.81496	1.10475	0.68937	1.83176	1.82012	8.25520797	0.819137111	2.646E-05	0.042216	0.509456	0.095371	3.162552	3.01582791	9.868139
4808	492863.09	3861377.25	0.79997	2.96287	1.47371	0.70734	0.8713	0.72069	3.00552	2.96287	8.20841823	1.333426791	3.738E-05	0.036641	0.4018	0.099704	5.189061	4.90929501	10.35979
4809	493363.09	3861377.25	0.83174	2.94467	1.46853	0.84169	1.03145	0.76381	2.85128	2.94467	8.53440727	1.32523596	3.725E-05	0.043601	0.475654	0.105669	4.922764	4.87913872	10.52823
4810	493863.09	3861377.25	0.6876	1.39969	1.02697	0.87316	1.26521	0.75489	1.38086	1.39969	7.05540005	0.629924413	2.605E-05	0.045231	0.583452	0.104435	2.384069	2.31920102	8.483337
4811	494363.09	3861377.25	0.52607	0.96076	0.79757	0.66217	1.42008	0.93585	0.95534	0.96076	5.39795565	0.43238587	2.023E-05	0.034301	0.65487	0.12947	1.649404	1.59192076	6.706487
4812	494863.09	3861377.25	0.46961	0.73232	0.73591	0.72244	1.60178	1.2298	0.73135	0.73232	4.81862481	0.329577439	1.867E-05	0.037423	0.738661	0.170137	1.262683	1.21340961	6.143716
4813	495363.09	3861377.25	0.41779	0.60382	0.57999	0.55605	1.36816	1.32819	0.60417	0.60382	4.28690458	0.271746572	1.471E-05	0.028804	0.630927	0.183749	1.043106	1.00049294	5.444759
4814	495863.09	3861377.25	0.37994	0.53518	0.52853	0.51441	1.02819	1.02425	0.53625	0.53518	3.89852922	0.240855437	1.341E-05	0.026647	0.47415	0.1417	0.925841	0.88676064	4.820976
4815	496363.09	3861377.25	0.35923	0.44646	0.51865	0.44934	0.68167	0.97225	0.44145	0.44646	3.68602583	0.200927386	1.316E-05	0.023276	0.314352	0.134506	0.762168	0.73975701	4.381512
4816	496863.09	3861377.25	0.34823	0.40535	0.61107	0.42856	0.97074	0.8766	0.36504	0.40535	3.57315585	0.182426009	1.55E-05	0.0222	0.447657	0.121273	0.630245	0.67164024	4.305333
4817	497363.09	3861377.25	0.32496	0.37907	0.59956	0.36766	1.07281	0.78006	0.34385	0.37907	3.33438453	0.170598809	1.521E-05	0.019045	0.494727	0.107917	0.593661	0.62809589	4.092253
4818	497863.09	3861377.25	0.3223	0.35541	0.55562	0.35581	1.02502	0.65225	0.33084	0.35541	3.30709051	0.159950729	1.409E-05	0.018431	0.472688	0.090236	0.571199	0.58889271	4.030717
4819	498363.09	3861377.25	0.32058	0.3399	0.49611	0.39651	0.95027	0.55357	0.31834	0.3399	3.28944175	0.152970521	1.259E-05	0.02054	0.438217	0.076584	0.549617	0.56319358	3.964189
4820	471363.09	3861877.25	0.21765	0.0906	0.20548	0.20716	1.30026	0.22301	0.08529	0.0906	2.23328653	0.040774137	5.213E-06	0.010731	0.599615	0.030852	0.147254	0.15011868	2.9124
4821	471863.09	3861877.25	0.21654	0.09202	0.17972	0.21151	1.30652	0.22189	0.08566	0.09202	2.22189693	0.041413202	4.559E-06	0.010957	0.602502	0.030697	0.147893	0.15247153	2.902892
4822	472363.09	3861877.25	0.21755	0.09361	0.19853	0.23457	1.24005	0.22899	0.08608	0.09361	2.23226044	0.042128774	5.036E-06	0.012151	0.57185	0.03168	0.148618	0.15510606	2.883586
4823	472863.09	3861877.25	0.2399	0.09535	0.26017	0.25573	1.11229	0.24928	0.08681	0.09535	2.46159173	0.042911854	6.6E-06	0.013247	0.512933	0.034487	0.149878	0.15798914	3.057066
4824	473363.09	3861877.25	0.26254	0.09648	0.24889	0.27363	0.92369	0.2683	0.08713	0.09648	2.69389867	0.043420405	6.314E-06	0.014174	0.42596	0.037118	0.150431	0.15986148	3.205147
4825	473863.09	3861877.25	0.28506	0.09775	0.25595	0.28978	0.73462	0.2837	0.0874	0.09775	2.92497431	0.043991963	6.493E-06	0.015011	0.33877	0.039249	0.150897	0.16196579	3.350934
4826	474363.09	3861877.25	0.30508	0.09858	0.28246	0.29307	0.76888	0.29518	0.08798	0.09858	3.13039768	0.044365501	7.165E-06	0.015181	0.354569	0.040837	0.151898	0.16334105	3.573915
4827	474863.09	3861877.25	0.32425	0.09944	0.30592	0.28739	0.77141	0.30081	0.08841	0.09944	3.32709928	0.044752541	7.761E-06	0.014887	0.355736	0.041616	0.152641	0.16476602	3.771973
4828	475363.09	3861877.25	0.34091	0.10012	0.32881	0.26704	0.90028	0.30022	0.08891	0.10012	3.498046	0.045058572	8.341E-06	0.013833	0.415164	0.041534	0.153504	0.16589274	4.001256
4829	475863.09	3861877.25	0.35357	0.10056	0.36271	0.28783	1.04585	0.29133	0.08934	0.10056	3.62794909	0.045256592	9.201E-06	0.01491	0.482294	0.040304	0.154246	0.16662179	4.198348
4830	476363.09	3861877.25	0.3639	0.10057	0.36435	0.32841	1.11475	0.27621	0.09146	0.10057	3.73394427	0.045261092	9.243E-06	0.017012	0.514067	0.038212	0.157907	0.16663836	4.339775
4831	476863.09	3861877.25	0.3688	0.10049	0.32263	0.36673	1.21585	0.26043	0.09558	0.10049	3.78422271	0.045225089	8.184E-06	0.018997	0.56069	0.036029	0.16502	0.16650581	4.443686
4832	477363.09	3861877.25	0.36333	0.10057	0.25702	0.39244	1.22184	0.24839	0.09514	0.10057	3.72809555	0.045261092	6.52E-06	0.020329	0.563452	0.034364	0.16426	0.16663836	4.389129
4833	477863.09	3861877.25	0.34041	0.08876	0.24256	0.34101	0.92281	0.15308	0.09058	0.08876	3.49291555	0.039946053	6.153E-06	0.017665	0.425554	0.021178	0.156387	0.14706991	4.006582
4834	478363.09	3861877.25	0.26265	0.06628	0.1055	0.19059	0.51625	0.15041	0.06293	0.06628	2.69502737	0.029829026	2.676E-06	0.009873	0.238069	0.020808	0.108649	0.10982192	2.992437
4835	478863.09	3861877.25	0.27663	0.06734	0.17419	0.19248	0.81104	0.15005	0.06679	0.06734	2.83847486	0.030306075	4.419E-06	0.009971	0.374011	0.020759	0.115314	0.11157828	3.277261
4836	479363.09	3861877.25	0.25087	0.06774	0.14504	0.14682	0.99603	0.14788	0.06594	0.06774	2.57415388	0.030486093	3.679E-06	0.007605	0.45932	0.020458	0.113846	0.11224105	3.093632
4837	479863.09	3861877.25	0.31697	0.10442	0.31731	0.30672	1.03793	0.23089	0.10348	0.10442	3.25239987	0.046993768	8.049E-06	0.015889	0.478642	0.031943	0.178659	0.17301758	3.831516
4838	480363.09	3861877.25	0.30725	0.11623	0.30186	0.30904	1.11332	0.29856	0.11585	0.11623	3.15266385	0.052308807	7.658E-06	0.016009	0.513408	0.041304	0.200016	0.19258603	3.783131
4839	480863.09	3861877.25	0.31388	0.12244	0.39669	0.3372	1.30919	0.33995	0.1219	0.12244	3.22069367	0.055103591	1.006E-05	0.017467	0.603733	0.04703	0.210462	0.20287562	3.951625
4840	481363.09	3861877.25	0.32862	0.15322	0.45746	0.36446	1.1993	0.3762	0.13597	0.15322	3.37193945	0.068955996	1.16E-05	0.01888	0.553058	0.052045	0.234754	0.2538762	4.045767
4841	481863.09	3861877.25	0.35119	0.19926	0.52803	0.35553	1.07381	0.42246	0.14572	0.19926	3.60352813	0.089676099	1.339E-05	0.018417	0.495188	0.058445	0.251587	0.33016168	4.186693

4842	482363.09	3861877.25	0.37361	0.15605	0.5035	0.33537	1.3765	0.46394	0.12925	0.15605	3.83357768	0.070229626	1.277E-05	0.017373	0.634773	0.064184	0.223151	0.25856534	4.584736
4843	482863.09	3861877.25	0.40026	0.14223	0.50789	0.30445	1.77463	0.45809	0.13769	0.14223	4.10703087	0.064009995	1.288E-05	0.015771	0.818371	0.063375	0.237723	0.23566644	5.070627
4844	483363.09	3861877.25	0.41817	0.14406	0.70572	0.34792	1.63917	0.44604	0.1385	0.14406	4.29080372	0.064833578	1.79E-05	0.018023	0.755904	0.061707	0.239122	0.23869864	5.191712
4845	483863.09	3861877.25	0.37792	0.13511	0.6548	0.39991	0.9789	0.44669	0.13132	0.13511	3.87780219	0.060805669	1.661E-05	0.020716	0.45142	0.061797	0.226725	0.22386904	4.475414
4846	484363.09	3861877.25	0.3269	0.13973	0.51999	0.4027	1.26811	0.39589	0.13927	0.13973	3.35429069	0.06288488	1.319E-05	0.02086	0.584789	0.054769	0.240451	0.23152409	4.086535
4847	484863.09	3861877.25	0.4225	0.17289	0.63842	0.46257	1.36782	0.37842	0.14708	0.17289	4.33523345	0.077808395	1.62E-05	0.023962	0.630771	0.052353	0.253935	0.28646819	5.08761
4848	485363.09	3861877.25	0.48758	0.16671	0.5323	0.45591	1.16819	0.39036	0.16063	0.16671	5.00301332	0.075027112	1.35E-05	0.023617	0.538711	0.054004	0.277329	0.27622831	5.695487
4849	485863.09	3861877.25	0.45717	0.17371	0.58613	0.51218	1.2195	0.40378	0.17344	0.17371	4.69097912	0.078177432	1.487E-05	0.026532	0.562373	0.055861	0.299446	0.28782688	5.425556
4850	486363.09	3861877.25	0.48063	0.18492	0.64705	0.57685	1.34437	0.41699	0.18479	0.18492	4.93170001	0.083222444	1.641E-05	0.029882	0.619957	0.057689	0.319042	0.30640117	5.735106
4851	486863.09	3861877.25	0.48775	0.19729	0.72623	0.52316	1.99009	0.43005	0.19734	0.19729	5.00475767	0.088789509	1.842E-05	0.0271	0.917731	0.059495	0.34071	0.32689751	6.111704
4852	487363.09	3861877.25	0.61718	0.211	0.74449	0.5148	2.8379	0.65943	0.21131	0.211	6.33282694	0.094959635	1.889E-05	0.026667	1.308699	0.091229	0.364829	0.34961414	7.869615
4853	487863.09	3861877.25	0.76439	0.22763	0.58132	0.58296	0.98235	0.4573	0.22826	0.22763	7.84333514	0.102443894	1.475E-05	0.030198	0.453011	0.063265	0.394093	0.37716904	8.509192
4854	488363.09	3861877.25	1.07487	0.2479	0.75642	0.75604	0.76368	0.55804	0.24891	0.2479	11.0291417	0.11156632	1.919E-05	0.039164	0.352171	0.077202	0.429746	0.41075519	11.62826
4855	488863.09	3861877.25	1.64177	0.3173	0.77351	1.28067	1.84766	0.90398	0.27235	0.3173	16.8460502	0.142799489	1.962E-05	0.06634	0.852049	0.125061	0.470215	0.52574676	17.97679
4856	489363.09	3861877.25	1.6529	0.38747	0.79935	1.58119	1.35106	0.98525	0.30453	0.38747	16.9602541	0.174379193	2.028E-05	0.081908	0.623042	0.136305	0.525774	0.64201417	17.85967
4857	489863.09	3861877.25	1.35473	0.39307	0.58916	0.73215	1.12477	0.78717	0.34064	0.39307	13.9007593	0.176899448	1.495E-05	0.037926	0.518688	0.108901	0.588118	0.65129303	14.68001
4858	490363.09	3861877.25	0.88237	0.3906	0.79146	0.57287	3.01211	0.63985	0.39387	0.3906	9.05391702	0.175787836	2.008E-05	0.029675	1.389036	0.08852	0.680021	0.64720039	10.76978
4859	490863.09	3861877.25	0.54066	0.4531	0.89556	0.53182	3.12937	0.49573	0.45976	0.4531	5.54766229	0.203915689	2.272E-05	0.027549	1.44311	0.068582	0.79378	0.75075908	7.333863
4860	491363.09	3861877.25	0.53375	0.53173	0.60036	0.52976	2.02728	0.49053	0.53682	0.53173	5.47675942	0.23930278	1.523E-05	0.027442	0.934881	0.067862	0.926825	0.8810442	6.792044
4861	491863.09	3861877.25	0.62743	0.63737	0.53377	0.51863	1.6123	0.50557	0.64356	0.63737	6.43800124	0.286845604	1.354E-05	0.026866	0.743513	0.069943	1.111113	1.05608324	7.620212
4862	492363.09	3861877.25	0.68739	0.77041	0.63348	0.68496	0.81813	0.52334	0.77772	0.77041	7.05324526	0.346719679	1.607E-05	0.035482	0.377281	0.072402	1.342741	1.27652241	7.951364
4863	492863.09	3861877.25	0.71234	0.9173	0.65696	0.71861	0.92934	0.46607	0.92714	0.9173	7.3092549	0.412826886	1.667E-05	0.037225	0.428565	0.064479	1.600717	1.51991019	8.333174
4864	493363.09	3861877.25	0.71336	1.14444	0.97575	0.51845	0.83237	0.52435	1.15828	1.14444	7.31972103	0.515050258	2.475E-05	0.026856	0.383848	0.072541	1.999782	1.89626733	8.421556
4865	493863.09	3861877.25	0.72555	1.64608	1.30393	0.68836	0.70257	0.59043	1.54143	1.64608	7.44480149	0.740811163	3.308E-05	0.035658	0.32399	0.081683	2.661295	2.72745423	8.560818
4866	494363.09	3861877.25	0.69997	2.10813	1.18254	0.67582	1.05456	0.56416	2.14221	2.10813	7.18232748	0.948754762	3E-05	0.035008	0.486311	0.078049	3.698547	3.49304292	8.935985
4867	494863.09	3861877.25	0.58581	4.21891	0.85398	0.65913	1.01324	0.58007	4.3282	4.21891	6.01094227	1.898702144	2.166E-05	0.034144	0.467256	0.08025	7.472681	6.99047673	8.97352
4868	495363.09	3861877.25	0.45876	2.79588	0.61508	0.48685	1.30677	0.67863	2.77257	2.79588	4.70729396	1.258273666	1.56E-05	0.02522	0.602617	0.093885	4.78687	4.63260275	6.841573
4869	495863.09	3861877.25	0.39964	1.4868	0.63236	0.49931	1.34287	0.7973	1.49487	1.4868	4.1006691	0.66912789	1.604E-05	0.025865	0.619265	0.110303	2.580908	2.46353698	5.642617
4870	496363.09	3861877.25	0.37328	1.10667	0.55214	0.46018	1.12273	0.80906	1.11345	1.10667	3.83019158	0.498052033	1.401E-05	0.023838	0.517747	0.111929	1.922383	1.83368474	5.07047
4871	496863.09	3861877.25	0.39092	0.50612	0.54795	0.49511	0.96275	0.88518	0.47768	0.50612	4.01119399	0.227777111	1.39E-05	0.025647	0.443973	0.12246	0.824719	0.83860999	4.817175
4872	497363.09	3861877.25	0.34017	0.60845	0.46397	0.44256	0.56894	0.67863	0.61189	0.60845	3.49045293	0.273830283	1.177E-05	0.022925	0.262367	0.093885	1.056434	1.00816457	4.191742
4873	497863.09	3861877.25	0.31342	0.55607	0.41168	0.38601	0.74934	0.59338	0.55718	0.55607	3.21597365	0.250256891	1.044E-05	0.019996	0.345558	0.082091	0.961977	0.9213741	3.954489
4874	498363.09	3861877.25	0.28933	0.5008	0.4304	0.34466	0.8568	0.56906	0.50206	0.5008	2.96878839	0.225382868	1.092E-05	0.017854	0.395114	0.078727	0.866812	0.82979508	3.722893
4875	471363.09	3862377.25	0.21181	0.09353	0.24325	0.24118	0.99337	0.24499	0.08505	0.09353	2.17336283	0.042092771	6.171E-06	0.012493	0.458093	0.033893	0.14684	0.15497351	2.711808
4876	471863.09	3862377.25	0.22481	0.09462	0.25841	0.24766	0.82042	0.2605	0.08541	0.09462	2.30675463	0.042583321	6.555E-06	0.012829	0.378337	0.036039	0.147461	0.15677957	2.767231
4877	472363.09	3862377.25	0.24539	0.0957	0.27505	0.24157	0.62688	0.27279	0.08602	0.0957	2.51792411	0.04306937	6.977E-06	0.012514	0.289086	0.037739	0.148514	0.15856907	2.890285
4878	472863.09	3862377.25	0.26523	0.09665	0.28725	0.23188	0.65889	0.27854	0.08665	0.09665	2.72150052	0.043496913	7.287E-06	0.012012	0.303847	0.038535	0.149602	0.16014316	3.108857
4879	473363.09	3862377.25	0.28324	0.09744	0.29488	0.22603	0.66959	0.27876	0.08726	0.09744	2.90629946	0.043852449	7.48E-06	0.011709	0.308782	0.038565	0.150655	0.16145214	3.298418
4880	473863.09	3862377.25	0.29879	0.09829	0.29698	0.2554	0.73234	0.27364	0.08798	0.09829	3.06585657	0.044234988	7.534E-06	0.01323	0.337719	0.037857	0.151898	0.16286054	3.487943
4881	474363.09	3862377.25	0.31304	0.099	0.29103	0.28925	0.87268	0.26494	0.08861	0.099	3.21207451	0.044554521	7.383E-06	0.014984	0.402437	0.036653	0.152986	0.16403697	3.699659
4882	474863.09	3862377.25	0.32611	0.09944	0.27291	0.32557	0.96647	0.25504	0.08931	0.09944	3.34618457	0.044752541	6.923E-06	0.016865	0.445688	0.035284	0.154195	0.16476602	3.878209
4883	475363.09	3862377.25	0.32988	0.10012	0.33712	0.35414	0.98363	0.24453	0.0904	0.10012	3.38486819	0.045058572	8.552E-06	0.018345	0.453601	0.03383	0.156077	0.16589274	3.925895
4884	475863.09	3862377.25	0.32816	0.10083	0.3358	0.36742	0.9157	0.23599	0.09215	0.10083	3.36721943	0.045378104	8.519E-06	0.019033	0.422275	0.032648	0.159098	0.16706916	3.878591
4885	476363.09	3862377.25	0.32156	0.10125	0.3342	0.35778	0.91029	0.23033	0.09383	0.10125	3.29949744	0.045567123	8.478E-06	0.018534	0.419781	0.031865	0.161998	0.16776508	3.809486
4886	476863.09	3862377.25	0.31051	0.10162	0.34338	0.32248	0.8562	0.22624	0.09554	0.10162	3.18611441	0.04573364	8.711E-06	0.016705	0.394837	0.031299	0.164951	0.16837815	3.67127
4887	477363.09	3862377.25	0.30053	0.10167	0.25972	0.26624	0.71856	0.22186	0.09713	0.10167	3.08371055	0.045756142	6.589E-06	0.013792	0.331364	0.030693	0.167696	0.16846099	3.504557
4888	477863.09	3862377.25	0.2956	0.10129	0.19705	0.20407	0.7354	0.18047	0.09798	0.10129	3.03312428	0.045585125	4.999E-06	0.010571	0.33913	0.024967	0.169163	0.16783136	3.454715
4889	478363.09	3862377.25	0.26959	0.08311	0.15162	0.17623	0.9406	0.13702	0.0842	0.08311	2.76623807	0.037403295	3.846E-06	0.009129	0.433758	0.018956	0.145372	0.1377082	3.273152
4890	478863.09	3862377.25	0.27279	0.07585	0.22008	0.20907	0.97651	0.13884	0.07723	0.07585	2.79907298	0.034135963	5.583E-06	0.01083	0.450318	0.019208	0.133338	0.12567883	3.32123
4891	479363.09	3862377.25	0.29513	0.10044	0.24457	0.24019	0.87978	0.16537	0.10007	0.10044	3.02830165	0.045202586	6.204E-06	0.012442	0.405711	0.022878	0.172772	0.16642296	3.520891
4892	479863.09	3862377.25	0.30004	0.10961	0.35172	0.37028	1.24556	0.27357	0.10935	0.10961	3.07868271	0.049329505	8.922E-06	0.019181	0.57439	0.037847	0.188794	0.18161709	3.766616
4893	480363.09	3862377.25	0.29366	0.118	0.33373	0.33071	1.16526	0.34665	0.1138	0.118	3.01321812	0.053105388	8.466E-06	0.017131	0.53736	0.047957	0.196477	0.19551881	3.669739
4894	480863.09	3862377.25	0.2991	0.1207	0.46539	0.29293	0.9498	0.3858	0.11826	0.1207	3.06903746	0.054320511	1.181E-05	0.015174	0.438001	0.053374	0.204177	0.19999254	3.634103
4895	481363.09	3862377.25	0.30721	0.15585	0.42222	0.28305	1.08665	0.41859	0.13406	0.15585	3.15225342	0.070139616	1.071E-05	0.014662	0.501109	0.05791	0.231456	0.25823395	3.769307
4896	481863.09	3862377.25	0.30665	0.18836	0.47386	0.23567	1.27446	0.40971	0.13711	0.18836	3.14650731	0.084770601	1.202E-05	0.012208	0.587718	0.056681	0.236722	0.31210104	3.812518
4897	482363.09	3862377.25	0.3471	0.14549	0.52346	0.29852	1.58582	0.36135	0.11691	0.14549	3.56156102	0.065477143	1.328E-05	0.015464	0.731301	0.049991	0.201846	0.24106806	4.384586
4898	482863.09	3862377.25	0.39966	0.12111	0.63032	0.36234	1.46109	0.32899	0.11651	0.12111	4.10087432	0.05450503	1.599E-05	0.01877	0.673782	0.045514	0.201156	0.20067189	4.893945

4899	483363.09	3862377.25	0.41288	0.12266	0.44962	0.34623	0.91777	0.3159	0.12067	0.12266	4.23652352	0.055202601	1.141E-05	0.017935	0.42323	0.043703	0.208338	0.20324014	4.781704
4900	483863.09	3862377.25	0.36538	0.12479	0.52723	0.36657	1.10232	0.30097	0.12214	0.12479	3.74913041	0.056161198	1.337E-05	0.018989	0.508335	0.041638	0.210876	0.20676942	4.378373
4901	484363.09	3862377.25	0.31985	0.13011	0.49994	0.41544	1.24008	0.3216	0.12831	0.13011	3.28195129	0.058555441	1.268E-05	0.02152	0.571863	0.044492	0.221529	0.21558434	3.984339
4902	484863.09	3862377.25	0.35521	0.15314	0.43589	0.37392	1.06675	0.3332	0.12829	0.15314	3.64477698	0.068919993	1.106E-05	0.01937	0.491932	0.046097	0.221494	0.25374365	4.238857
4903	485363.09	3862377.25	0.44314	0.16181	0.58466	0.46266	1.219	0.33627	0.13432	0.16181	4.54701858	0.072821889	1.483E-05	0.023966	0.562142	0.046521	0.231905	0.26810931	5.216281
4904	485863.09	3862377.25	0.46645	0.14191	0.52222	0.50704	1.05357	0.39049	0.1411	0.14191	4.78620034	0.06386598	1.325E-05	0.026265	0.485854	0.054022	0.243611	0.23513622	5.424696
4905	486363.09	3862377.25	0.45262	0.15121	0.53193	0.44817	1.17416	0.39472	0.1496	0.15121	4.64429199	0.068051405	1.349E-05	0.023216	0.541464	0.054608	0.258286	0.25054575	5.339385
4906	486863.09	3862377.25	0.40677	0.1683	0.64961	0.44484	2.18435	0.38667	0.16661	0.1683	4.17382937	0.075742685	1.648E-05	0.023043	1.007314	0.053494	0.287654	0.27886284	5.342231
4907	487363.09	3862377.25	0.466	0.18831	0.48626	0.48191	2.57083	0.54843	0.18668	0.18831	4.78158293	0.084748099	1.234E-05	0.024964	1.185539	0.075873	0.322305	0.31201819	6.163005
4908	487863.09	3862377.25	0.63769	0.20706	0.67598	0.5701	0.89022	0.39227	0.20575	0.20706	6.54327815	0.093186455	1.715E-05	0.029532	0.410525	0.054269	0.355229	0.3430858	7.142951
4909	488363.09	3862377.25	0.80934	0.22104	0.70213	0.7481	0.73005	0.5615	0.22031	0.22104	8.30456294	0.099478093	1.781E-05	0.038753	0.336663	0.077681	0.380367	0.36624981	8.871273
4910	488863.09	3862377.25	1.20961	0.2392	0.69885	1.23485	1.41987	0.56387	0.2388	0.2392	12.4116964	0.107650922	1.773E-05	0.063967	0.654774	0.078009	0.412291	0.39633982	13.33207
4911	489363.09	3862377.25	1.52009	0.31723	0.7865	1.6449	1.60161	0.78687	0.25516	0.31723	15.597503	0.142767985	1.995E-05	0.085208	0.738583	0.10886	0.440536	0.52563078	16.58785
4912	489863.09	3862377.25	1.41078	0.37656	0.49269	0.73374	0.55837	0.79105	0.2711	0.37656	14.4758832	0.169469195	1.25E-05	0.038009	0.257493	0.109438	0.468057	0.62393697	14.89442
4913	490363.09	3862377.25	1.03014	0.38459	0.59482	0.54638	1.79014	0.66244	0.32236	0.38459	10.5701713	0.173083061	1.509E-05	0.028303	0.825524	0.091645	0.556558	0.63724219	11.60806
4914	490863.09	3862377.25	0.75334	0.36634	0.51881	0.53247	3.07352	0.55414	0.39415	0.36634	7.72995211	0.164869728	1.316E-05	0.027583	1.417355	0.076663	0.680504	0.60700305	9.489936
4915	491363.09	3862377.25	0.46525	0.35644	0.68058	0.37107	2.37023	0.42857	0.46304	0.35644	4.77388725	0.160414276	1.726E-05	0.019222	1.093032	0.059291	0.799443	0.59059936	6.314708
4916	491863.09	3862377.25	0.43102	0.37814	0.49896	0.48731	1.8466	0.34965	0.45137	0.37814	4.42265638	0.170180267	1.266E-05	0.025243	0.85156	0.048372	0.779295	0.62655493	5.670765
4917	492363.09	3862377.25	0.47756	0.40497	0.50862	0.43673	1.29372	0.39645	0.4088	0.40497	4.90019902	0.182254992	1.29E-05	0.022623	0.596599	0.054847	0.705797	0.67101061	5.791323
4918	492863.09	3862377.25	0.56081	0.45483	0.56233	0.56265	0.71744	0.45906	0.45902	0.45483	5.75441958	0.204694268	1.427E-05	0.029146	0.330848	0.063509	0.792503	0.75362559	6.421508
4919	493363.09	3862377.25	0.61781	0.63525	0.53435	0.64618	0.8481	0.45481	0.6401	0.63525	6.33929131	0.285891507	1.356E-05	0.033473	0.391102	0.062921	1.105139	1.05257053	7.16526
4920	493863.09	3862377.25	0.64208	0.59017	0.75851	0.45602	0.79837	0.44202	0.5986	0.59017	6.58832354	0.265603448	1.924E-05	0.023622	0.368169	0.061151	1.033489	0.97787572	7.362502
4921	494363.09	3862377.25	0.6328	0.77515	0.98593	0.50484	0.59732	0.50466	0.74621	0.77515	6.49310231	0.348852895	2.501E-05	0.026151	0.275454	0.069817	1.288339	1.28437631	7.217366
4922	494863.09	3862377.25	0.66064	1.24203	1.13784	0.57766	0.83992	0.50805	1.16504	1.24203	6.77876598	0.558970214	2.886E-05	0.029924	0.387329	0.070286	2.011453	2.05796801	7.77879
4923	495363.09	3862377.25	0.60874	1.30081	0.98146	0.56198	0.95462	0.4732	1.27194	1.30081	6.24622488	0.585423898	2.49E-05	0.029111	0.440223	0.065465	2.196017	2.15536289	7.407128
4924	495863.09	3862377.25	0.50881	1.40758	0.72051	0.51569	0.97102	0.47288	1.46541	1.40758	5.22085238	0.633475273	1.828E-05	0.026713	0.447786	0.065421	2.530045	2.33227427	6.592037
4925	496363.09	3862377.25	0.40182	2.16787	0.50828	0.40236	1.1716	0.50926	2.17113	2.16787	4.12303788	0.975640489	1.289E-05	0.020843	0.540284	0.070454	3.748478	3.59202846	5.886721
4926	496863.09	3862377.25	0.34362	8.31444	0.54224	0.38878	1.15188	0.54147	8.01331	8.31444	3.52585306	3.741877655	1.376E-05	0.020139	0.53119	0.07491	13.83506	13.7765203	7.952524
4927	497363.09	3862377.25	0.33121	3.38946	0.50417	0.37205	0.94811	0.58323	3.41729	3.38946	3.3985152	1.52541177	1.279E-05	0.019273	0.437221	0.080687	5.899986	5.61612864	5.744978
4928	497863.09	3862377.25	0.31754	6.99035	0.43307	0.32983	0.71703	0.57094	7.38837	6.99035	3.25824859	3.145976694	1.099E-05	0.017086	0.330659	0.078987	12.7561	11.5825839	8.004479
4929	498363.09	3862377.25	0.30125	2.60148	0.36073	0.34753	0.45824	0.48146	2.61584	2.60148	3.09109841	1.170784789	9.151E-06	0.018003	0.211318	0.066608	4.516274	4.3104938	4.763601
4930	471363.09	3862877.25	0.22809	0.09497	0.24862	0.20642	0.57138	0.26175	0.08527	0.09497	2.34041041	0.042740837	6.307E-06	0.010693	0.263492	0.036212	0.14722	0.1573595	2.683414
4931	471863.09	3862877.25	0.24589	0.09585	0.24308	0.23244	0.58655	0.25954	0.0861	0.09585	2.52305456	0.043136877	6.166E-06	0.012041	0.270488	0.035906	0.148653	0.15881761	2.874467
4932	472363.09	3862877.25	0.26122	0.09676	0.23349	0.26126	0.60084	0.25289	0.08709	0.09676	2.68035428	0.043546418	5.923E-06	0.013534	0.277078	0.034986	0.150362	0.16032542	3.03954
4933	472863.09	3862877.25	0.27477	0.09761	0.21871	0.29111	0.72824	0.24296	0.08813	0.09761	2.81938957	0.043928957	5.548E-06	0.01508	0.335828	0.033612	0.152157	0.16173382	3.238268
4934	473363.09	3862877.25	0.28508	0.09846	0.20097	0.31727	0.82723	0.23299	0.0893	0.09846	2.92517953	0.044311496	5.098E-06	0.016435	0.381477	0.032233	0.154177	0.16314222	3.390677
4935	473863.09	3862877.25	0.29335	0.09922	0.22434	0.33455	0.87656	0.22487	0.09061	0.09922	3.01003724	0.044653531	5.691E-06	0.01733	0.404226	0.03111	0.156439	0.16440149	3.4994
4936	474363.09	3862877.25	0.29969	0.09973	0.26161	0.33744	0.86146	0.21926	0.09206	0.09973	3.07509139	0.044883054	6.636E-06	0.01748	0.397263	0.030334	0.158943	0.16524653	3.558753
4937	474863.09	3862877.25	0.3013	0.10041	0.31187	0.32051	0.79226	0.21544	0.09375	0.10041	3.09161145	0.045189085	7.911E-06	0.016603	0.365351	0.029805	0.16186	0.16637325	3.544054
4938	475363.09	3862877.25	0.29471	0.10142	0.32225	0.28442	0.81022	0.21233	0.09612	0.10142	3.02399207	0.045643631	8.175E-06	0.014733	0.373633	0.029375	0.165952	0.16804676	3.485291
4939	475863.09	3862877.25	0.28425	0.1025	0.31513	0.23874	0.74419	0.21659	0.09833	0.1025	2.91666298	0.04612968	7.994E-06	0.012367	0.343183	0.029964	0.169768	0.16983625	3.348247
4940	476363.09	3862877.25	0.27192	0.10352	0.25234	0.2072	0.60669	0.22803	0.10052	0.10352	2.79014599	0.046588727	6.401E-06	0.010733	0.279775	0.031547	0.173549	0.17152633	3.160819
4941	476863.09	3862877.25	0.26243	0.10439	0.25056	0.22543	0.63027	0.23691	0.1025	0.10439	2.69276998	0.046980267	6.356E-06	0.011678	0.290649	0.032775	0.176967	0.17296787	3.078858
4942	477363.09	3862877.25	0.25713	0.10562	0.3733	0.24591	0.83273	0.24072	0.10453	0.10562	2.63838716	0.047533823	9.47E-06	0.012738	0.384014	0.033302	0.180472	0.1750059	3.121451
4943	477863.09	3862877.25	0.26122	0.10641	0.33019	0.25536	0.94134	0.21789	0.10596	0.10641	2.68035428	0.047889359	8.376E-06	0.013228	0.434099	0.030144	0.182941	0.17631488	3.212349
4944	478363.09	3862877.25	0.26669	0.10235	0.21788	0.26682	0.84541	0.16244	0.10324	0.10235	2.73648144	0.046062174	5.527E-06	0.013822	0.389861	0.022473	0.178245	0.16958771	3.217362
4945	478863.09	3862877.25	0.27076	0.10736	0.20443	0.30189	1.02404	0.17334	0.10763	0.10736	2.77824334	0.048316902	5.186E-06	0.015638	0.472236	0.023981	0.185824	0.17788898	3.346356
4946	479363.09	3862877.25	0.27032	0.10903	0.29988	0.28103	1.2805	0.18752	0.10935	0.10903	2.77372854	0.049068479	7.607E-06	0.014558	0.590503	0.025942	0.188794	0.18065606	3.461946
4947	479863.09	3862877.25	0.25386	0.11388	0.35423	0.28492	1.03833	0.33338	0.11396	0.11388	2.604834	0.0512512	8.986E-06	0.014759	0.478826	0.046121	0.196753	0.18869222	3.203862
4948	480363.09	3862877.25	0.2458	0.11453	0.40835	0.23921	0.80556	0.34556	0.11435	0.11453	2.52213108	0.05154373	1.036E-05	0.012391	0.371484	0.047807	0.197426	0.18976923	3.013025
4949	480863.09	3862877.25	0.24341	0.12049	0.41712	0.20957	1.08959	0.34032	0.11731	0.12049	2.49760751	0.054226002	1.058E-05	0.010856	0.502465	0.047082	0.202537	0.19964459	3.115139
4950	481363.09	3862877.25	0.23313	0.15567	0.44125	0.24962	1.18375	0.30103	0.13014	0.15567	2.39212538	0.070058608	1.119E-05	0.012931	0.545887	0.041646	0.224688	0.2579357	3.029411
4951	481863.09	3862877.25	0.25275	0.1867	0.41636	0.3181	1.44831	0.28205	0.13557	0.1867	2.59344439	0.084023525	1.056E-05	0.016478	0.667889	0.03902	0.234063	0.30935052	3.325578
4952	482363.09	3862877.25	0.34904	0.1357	0.55406	0.32158	1.30563	0.26015	0.10911	0.1357	3.58146718	0.061071196	1.406E-05	0.016658	0.602092	0.03599	0.18838	0.22484663	4.260826
4953	482863.09	3862877.25	0.39879	0.11671	0.40158	0.27871	0.85451	0.25915	0.1107	0.11671	4.09194733	0.052524829	1.019E-05	0.014438	0.394058	0.035852	0.191125	0.19338136	4.586573
4954	483363.09	3862877.25	0.40344	0.12055	0.38398	0.35491	0.93082	0.2666	0.11952	0.12055	4.13966055	0.054253005	9.741E-06	0.018385	0.429248	0.036883	0.206352	0.199744	4.685047
4955	483863.09	3862877.25	0.35778	0.13106	0.48107	0.35875	1.03392	0.27552	0.12987	0.13106	3.67114751	0.058982984	1.22E-05	0.018584	0.476793	0.038117	0.224222	0.21715843	4.270699

4956	484363.09	3862877.25	0.31196	0.14135	0.46955	0.30613	1.07029	0.29139	0.14009	0.14135	3.20099273	0.063613954	1.191E-05	0.015858	0.493565	0.040312	0.241867	0.23420833	3.822012
4957	484863.09	3862877.25	0.29707	0.15207	0.49067	0.37766	0.96232	0.26974	0.15078	0.15207	3.04820781	0.068438444	1.245E-05	0.019563	0.443774	0.037317	0.260323	0.25197072	3.625666
4958	485363.09	3862877.25	0.41634	0.1617	0.42012	0.35228	1.06042	0.27203	0.1605	0.1617	4.27202626	0.072772384	1.066E-05	0.018249	0.489013	0.037634	0.277105	0.26792704	4.898883
4959	485863.09	3862877.25	0.45541	0.17026	0.48752	0.39411	1.10305	0.39148	0.16928	0.17026	4.67291992	0.076624774	1.237E-05	0.020415	0.508672	0.054159	0.292264	0.28211044	5.342957
4960	486363.09	3862877.25	0.4037	0.17975	0.58341	0.39484	1.01971	0.38553	0.17901	0.17975	4.14232839	0.080895708	1.48E-05	0.020453	0.47024	0.053336	0.309063	0.29783479	4.778496
4961	486863.09	3862877.25	0.35525	0.18742	0.55392	0.40887	2.33731	0.39434	0.18715	0.18742	3.64518742	0.084347558	1.405E-05	0.02118	1.077851	0.054555	0.323116	0.31054352	4.895708
4962	487363.09	3862877.25	0.41715	0.19506	0.50142	0.45192	2.28585	0.49587	0.19518	0.19506	4.2803376	0.087785907	1.272E-05	0.02341	1.054121	0.068601	0.33698	0.32320253	5.528046
4963	487863.09	3862877.25	0.51054	0.20156	0.51349	0.55532	0.81067	0.41293	0.20205	0.20156	5.23860375	0.090711204	1.303E-05	0.028766	0.373841	0.057127	0.348841	0.33397264	5.803931
4964	488363.09	3862877.25	0.66463	0.20761	0.4463	0.69844	0.69409	0.49012	0.20834	0.20761	6.819707	0.09343398	1.132E-05	0.03618	0.32008	0.067806	0.359701	0.34399712	7.352922
4965	488863.09	3862877.25	0.89155	0.2141	0.41311	1.21461	1.07715	0.4265	0.21473	0.2141	9.14811215	0.096354776	1.048E-05	0.062918	0.496728	0.059004	0.370734	0.35475065	9.879111
4966	489363.09	3862877.25	1.26158	0.25772	0.71214	1.68952	1.63068	0.49991	0.2263	0.25772	12.9449558	0.115985768	1.807E-05	0.087519	0.751989	0.06916	0.390709	0.42702633	13.93331
4967	489863.09	3862877.25	1.3788	0.33932	0.44274	0.73379	0.63882	0.69605	0.24343	0.33932	14.1477394	0.152709494	1.123E-05	0.038011	0.294592	0.096295	0.420284	0.56223256	14.58741
4968	490363.09	3862877.25	1.1843	0.37564	0.38092	0.51521	0.84901	0.64213	0.28134	0.37564	12.1519928	0.169055153	9.663E-06	0.026689	0.391521	0.088836	0.485736	0.62241259	12.69143
4969	490863.09	3862877.25	0.86621	0.36776	0.37254	0.51839	2.23815	0.48627	0.32891	0.36776	8.88810075	0.165508793	9.451E-06	0.026853	1.032124	0.067273	0.567866	0.60935591	10.13838
4970	491363.09	3862877.25	0.65304	0.33485	0.54639	0.411	2.7831	0.35502	0.38102	0.33485	6.70078308	0.15069779	1.386E-05	0.02129	1.283428	0.049115	0.657835	0.55482604	8.308337
4971	491863.09	3862877.25	0.43125	0.32992	0.48811	0.35993	1.69322	0.34627	0.4275	0.32992	4.42501639	0.148479065	1.238E-05	0.018645	0.780829	0.047905	0.738083	0.54665733	5.612312
4972	492363.09	3862877.25	0.4066	0.33285	0.44068	0.44492	1.65714	0.33412	0.39766	0.33285	4.17208502	0.149797699	1.118E-05	0.023047	0.764191	0.046224	0.686564	0.55151216	5.290408
4973	492863.09	3862877.25	0.37221	0.34887	0.47998	0.378	1.05282	0.3199	0.35672	0.34887	3.81921241	0.15700743	1.218E-05	0.019581	0.485508	0.044257	0.615881	0.57805633	4.563402
4974	493363.09	3862877.25	0.44943	0.40752	0.51393	0.47414	0.63399	0.41158	0.41118	0.40752	4.61155969	0.183402608	1.304E-05	0.024561	0.292365	0.05694	0.709906	0.6752358	5.203512
4975	493863.09	3862877.25	0.51889	0.52242	0.48775	0.58002	0.77809	0.39367	0.52681	0.52242	5.32428233	0.235112855	1.237E-05	0.030046	0.358816	0.054462	0.909543	0.8656181	6.046657
4976	494363.09	3862877.25	0.56354	0.51816	0.55956	0.45283	0.75916	0.38593	0.52073	0.51816	5.78243186	0.23319566	1.419E-05	0.023457	0.350087	0.053392	0.899046	0.85855954	6.483063
4977	494863.09	3862877.25	0.56891	0.56643	0.71842	0.36021	0.53886	0.42167	0.56983	0.56643	5.83753293	0.254919364	1.822E-05	0.018659	0.248495	0.058336	0.983817	0.93853999	6.463239
4978	495363.09	3862877.25	0.59471	0.85834	0.93549	0.50148	0.62798	0.45177	0.77394	0.85834	6.10226434	0.386292194	2.373E-05	0.025977	0.289593	0.0625	1.336215	1.42221707	6.780649
4979	495863.09	3862877.25	0.59613	1.1017	0.98015	0.44379	0.84511	0.42849	1.04496	1.1017	6.11683483	0.495815306	2.486E-05	0.022989	0.389723	0.059279	1.804134	1.82544975	7.063351
4980	496363.09	3862877.25	0.54062	0.9409	0.83166	0.47605	0.80122	0.41891	0.9214	0.9409	5.54725185	0.423447963	2.11E-05	0.02466	0.369483	0.057954	1.590806	1.55901395	6.45461
4981	496863.09	3862877.25	0.45212	0.88709	0.62864	0.42203	0.95215	0.41451	0.92757	0.88709	4.63916153	0.399231006	1.595E-05	0.021862	0.439084	0.057345	1.601459	1.46985406	5.688305
4982	497363.09	3862877.25	0.35801	1.20292	0.45316	0.34398	1.05482	0.39905	1.21449	1.20292	3.67350752	0.541368928	1.15E-05	0.017819	0.486431	0.055207	2.096829	1.99316512	4.878008
4983	497863.09	3862877.25	0.29385	1.36633	0.4482	0.28983	0.97071	0.38938	1.35323	1.36633	3.01516769	0.614910889	1.137E-05	0.015014	0.447643	0.053869	2.336365	2.26392553	4.219055
4984	498363.09	3862877.25	0.29651	1.10037	0.45319	0.30895	0.81624	0.44912	1.07208	1.10037	3.04246171	0.495216745	1.15E-05	0.016004	0.376409	0.062134	1.850957	1.82324602	4.019948
4985	471363.09	3863377.25	0.23949	0.09594	0.18287	0.29084	0.61102	0.22601	0.08714	0.09594	2.45738476	0.043177381	4.639E-06	0.015066	0.281772	0.031267	0.150448	0.15896673	2.820154
4986	471863.09	3863377.25	0.25148	0.09679	0.14997	0.30961	0.70946	0.21638	0.08852	0.09679	2.58041304	0.04355992	3.804E-06	0.016038	0.327168	0.029935	0.152831	0.16037513	2.989573
4987	472363.09	3863377.25	0.26078	0.09768	0.15314	0.31677	0.77452	0.20824	0.09011	0.09768	2.67583948	0.04396046	3.885E-06	0.016409	0.35717	0.028809	0.155576	0.16184981	3.115918
4988	472863.09	3863377.25	0.26737	0.09852	0.19233	0.30852	0.79027	0.20283	0.09176	0.09852	2.74345886	0.044338499	4.879E-06	0.015982	0.364433	0.028061	0.158425	0.16324164	3.191461
4989	473363.09	3863377.25	0.27161	0.09969	0.22951	0.28526	0.74951	0.19998	0.09384	0.09969	2.78696511	0.044865052	5.822E-06	0.014777	0.345637	0.027666	0.162016	0.16518025	3.216751
4990	473863.09	3863377.25	0.27378	0.10065	0.2765	0.25153	0.72394	0.19828	0.09589	0.10065	2.80923128	0.045297096	7.014E-06	0.01303	0.333845	0.027431	0.165555	0.16677092	3.227625
4991	474363.09	3863377.25	0.27206	0.10148	0.29319	0.21347	0.72432	0.20464	0.09796	0.10148	2.79158252	0.045670634	7.438E-06	0.011058	0.33402	0.028311	0.169129	0.16814617	3.211633
4992	474863.09	3863377.25	0.26278	0.10301	0.27348	0.17886	0.6508	0.20863	0.10053	0.10301	2.69636129	0.046359204	6.938E-06	0.009265	0.300117	0.028863	0.173566	0.17068129	3.083857
4993	475363.09	3863377.25	0.25284	0.10405	0.23998	0.19139	0.52601	0.21109	0.10259	0.10405	2.59436787	0.046827251	6.088E-06	0.009914	0.24257	0.029203	0.177123	0.17240451	2.927607
4994	475863.09	3863377.25	0.2415	0.10552	0.22891	0.20269	0.54767	0.2086	0.10461	0.10552	2.47800918	0.047488818	5.807E-06	0.0105	0.252558	0.028859	0.18061	0.17484021	2.82319
4995	476363.09	3863377.25	0.22988	0.10711	0.26693	0.20412	0.7269	0.20084	0.10673	0.10711	2.35877743	0.048204391	6.771E-06	0.010574	0.33521	0.027785	0.18427	0.17747474	2.787353
4996	476863.09	3863377.25	0.22956	0.1085	0.34723	0.21853	0.82872	0.20862	0.1085	0.1085	2.35549394	0.048829954	8.808E-06	0.01132	0.382165	0.028862	0.187326	0.17977789	2.834227
4997	477363.09	3863377.25	0.23178	0.10941	0.34375	0.25673	0.80738	0.21806	0.10955	0.10941	2.37827316	0.049239496	8.72E-06	0.013299	0.372324	0.030168	0.189139	0.1812857	2.851165
4998	477863.09	3863377.25	0.2249	0.10932	0.25625	0.2961	0.72359	0.23094	0.10948	0.10932	2.30767811	0.049198992	6.501E-06	0.015338	0.333684	0.031949	0.189018	0.18113658	2.745737
4999	478363.09	3863377.25	0.21845	0.10803	0.21161	0.28085	1.12885	0.23254	0.10848	0.10803	2.24149526	0.048618433	5.368E-06	0.014548	0.52057	0.032171	0.187292	0.17899913	2.865701
5000	478863.09	3863377.25	0.21548	0.10713	0.27056	0.29398	1.15267	0.24148	0.10762	0.10713	2.21102036	0.048213392	6.864E-06	0.015229	0.531554	0.033408	0.185807	0.17750788	2.84773
5001	479363.09	3863377.25	0.2171	0.10636	0.39037	0.2286	0.97328	0.27611	0.1065	0.10636	2.22764303	0.047866857	9.903E-06	0.011842	0.448828	0.038198	0.183873	0.17623204	2.78203
5002	479863.09	3863377.25	0.21386	0.1062	0.37906	0.18548	0.83701	0.28628	0.10631	0.1062	2.19439769	0.047794849	9.616E-06	0.009608	0.385987	0.039605	0.183545	0.17596693	2.684982
5003	480363.09	3863377.25	0.21783	0.10521	0.36904	0.21142	1.05367	0.26565	0.10546	0.10521	2.2351335	0.047349304	9.362E-06	0.010952	0.4859	0.036751	0.182078	0.17432656	2.823847
5004	480863.09	3863377.25	0.22518	0.11923	0.32291	0.27583	1.10563	0.24828	0.11417	0.11923	2.31055117	0.053658944	8.192E-06	0.014288	0.509862	0.034348	0.197116	0.19755684	2.922275
5005	481363.09	3863377.25	0.22658	0.15453	0.37959	0.29373	1.29308	0.23384	0.1261	0.15453	2.32491644	0.069545556	9.629E-06	0.015216	0.596304	0.032351	0.217713	0.25604679	3.000008
5006	481863.09	3863377.25	0.25852	0.16714	0.48104	0.25999	1.17837	0.22516	0.12216	0.16714	2.65264983	0.075220632	1.22E-05	0.013468	0.543406	0.03115	0.21091	0.27694079	3.249876
5007	482363.09	3863377.25	0.3521	0.12813	0.40035	0.28767	0.79669	0.22504	0.12506	0.12813	3.61286556	0.057664351	1.016E-05	0.014902	0.367394	0.031133	0.215917	0.2123036	4.087583
5008	482863.09	3863377.25	0.39444	0.13247	0.28052	0.32548	0.75044	0.23553	0.13184	0.13247	4.04731238	0.059617549	7.116E-06	0.01686	0.346066	0.032584	0.227623	0.21949472	4.510576
5009	483363.09	3863377.25	0.39289	0.13816	0.39426	0.3037	0.97463	0.24495	0.13764	0.13816	4.03140798	0.062178309	1E-05	0.015732	0.449451	0.033888	0.237637	0.2289227	4.601381
5010	483863.09	3863377.25	0.34793	0.14354	0.44107	0.31081	1.0436	0.24139	0.14314	0.14354	3.57007757	0.064599554	1.119E-05	0.0161	0.481257	0.033395	0.247133	0.23783703	4.174736
5011	484363.09	3863377.25	0.30215	0.14919	0.37285	0.37629	0.90492	0.21868	0.14893	0.14919	3.10033322	0.067142312	9.458E-06	0.019492	0.417304	0.030253	0.257129	0.24719874	3.644465
5012	484863.09	3863377.25	0.27407	0.1537	0.40671	0.32201	1.03565	0.22071	0.15357	0.1537	2.81220694	0.069172018	1.032E-05	0.016681	0.47759	0.030534	0.26514	0.25467153	3.416663

5013	485363.09	3863377.25	0.38482	0.15893	0.45492	0.35032	0.75152	0.25688	0.15888	0.15893	3.94860245	0.071525757	1.154E-05	0.018147	0.346564	0.035538	0.274308	0.26333732	4.431359
5014	485863.09	3863377.25	0.41333	0.16284	0.50971	0.35211	1.03885	0.39111	0.16294	0.16284	4.24114093	0.073285436	1.293E-05	0.01824	0.479066	0.054108	0.281318	0.26981596	4.877355
5015	486363.09	3863377.25	0.37511	0.16626	0.4265	0.35562	0.90863	0.37094	0.16646	0.16626	3.84896904	0.074824592	1.082E-05	0.018422	0.419015	0.051318	0.287395	0.27548269	4.424471
5016	486863.09	3863377.25	0.35733	0.16998	0.48423	0.39947	2.45517	0.41195	0.17027	0.16998	3.6665301	0.076498762	1.228E-05	0.020693	1.132203	0.056991	0.293973	0.2816465	4.965254
5017	487363.09	3863377.25	0.42413	0.17453	0.45651	0.40774	2.00913	0.45144	0.17506	0.17453	4.35195873	0.078546469	1.158E-05	0.021122	0.926511	0.062455	0.302243	0.28918557	5.453661
5018	487863.09	3863377.25	0.39494	0.18101	0.50766	0.48737	0.74249	0.42243	0.18171	0.18101	4.05244284	0.081462765	1.288E-05	0.025246	0.3424	0.058441	0.313724	0.29992254	4.573807
5019	488363.09	3863377.25	0.54477	0.18695	0.48242	0.68754	0.6537	0.40331	0.18791	0.18695	5.58983462	0.084136037	1.224E-05	0.035616	0.301454	0.055796	0.324429	0.30976476	6.081512
5020	488863.09	3863377.25	0.70645	0.19553	0.31354	1.31043	0.81316	0.39705	0.19623	0.19553	7.24881816	0.087997428	7.954E-06	0.067882	0.374989	0.05493	0.338793	0.32398129	7.849436
5021	489363.09	3863377.25	0.97684	0.21083	0.6228	1.63642	1.49888	0.42548	0.20798	0.21083	10.023265	0.094883127	1.58E-05	0.084769	0.691209	0.058863	0.35908	0.34933246	10.96275
5022	489863.09	3863377.25	1.24221	0.27247	0.35208	0.66363	0.90254	0.42496	0.22291	0.27247	12.746202	0.122623942	8.932E-06	0.034377	0.416207	0.058791	0.384856	0.45146618	13.3116
5023	490363.09	3863377.25	1.22952	0.33171	0.37248	0.4885	0.4865	0.52559	0.24321	0.33171	12.6159911	0.149284647	9.449E-06	0.025305	0.22435	0.072713	0.419905	0.54962325	12.95793
5024	490863.09	3863377.25	0.96902	0.34976	0.45241	0.43867	1.32066	0.48317	0.27328	0.34976	9.94302466	0.157407971	1.148E-05	0.022724	0.609023	0.066844	0.471821	0.579531	10.69132
5025	491363.09	3863377.25	0.77417	0.32956	0.31781	0.40896	2.39098	0.3913	0.31032	0.32956	7.94368682	0.148317048	8.062E-06	0.021185	1.102601	0.054134	0.535771	0.54606083	9.259642
5026	491863.09	3863377.25	0.5586	0.30381	0.49452	0.32255	2.25438	0.30121	0.35893	0.30381	5.73174297	0.136728373	1.254E-05	0.016709	1.039608	0.041671	0.619696	0.50339465	7.082773
5027	492363.09	3863377.25	0.40984	0.30441	0.39871	0.36199	1.33438	0.34534	0.37744	0.30441	4.20533036	0.1369984	1.011E-05	0.018752	0.61535	0.047776	0.651654	0.50438882	5.171482
5028	492863.09	3863377.25	0.40194	0.28801	0.4201	0.42117	1.54613	0.41368	0.30616	0.28801	4.12426919	0.129617651	1.066E-05	0.021817	0.712998	0.057231	0.528588	0.47721502	5.097317
5029	493363.09	3863377.25	0.38762	0.26682	0.51323	0.35712	0.94334	0.39498	0.28604	0.26682	3.97733299	0.120081184	1.302E-05	0.018499	0.435022	0.054644	0.493851	0.44210448	4.657338
5030	493863.09	3863377.25	0.39954	0.37106	0.53256	0.42992	0.59071	0.27874	0.3744	0.37106	4.09964301	0.166993943	1.351E-05	0.02227	0.272406	0.038562	0.646405	0.6148238	4.631471
5031	494363.09	3863377.25	0.45206	0.42551	0.45742	0.52991	0.7296	0.35655	0.42818	0.42551	4.63854588	0.19149893	1.16E-05	0.02745	0.336455	0.049327	0.739257	0.70504414	5.277502
5032	494863.09	3863377.25	0.5065	0.32517	0.42714	0.46023	0.73932	0.35302	0.38772	0.32517	5.19714969	0.146341348	1.084E-05	0.023841	0.340938	0.048839	0.669403	0.53878687	5.887734
5033	495363.09	3863377.25	0.54625	0.3305	0.68895	0.36111	0.53456	0.38643	0.36512	0.3305	5.60502076	0.148740091	1.748E-05	0.018706	0.246513	0.053461	0.630383	0.54761836	6.155223
5034	495863.09	3863377.25	0.58797	0.56451	0.91196	0.42486	0.50288	0.41559	0.56723	0.56451	6.03310583	0.254055277	2.313E-05	0.022008	0.231903	0.057495	0.979328	0.93535866	6.64256
5035	496363.09	3863377.25	0.57	0.52591	0.89758	0.45088	0.72329	0.40756	0.50623	0.52591	5.84871732	0.236683514	2.277E-05	0.023356	0.333545	0.056384	0.874011	0.87140082	6.50132
5036	496863.09	3863377.25	0.53936	0.60828	0.8471	0.3908	0.76887	0.3633	0.56653	0.60828	5.53432311	0.273753775	2.149E-05	0.020244	0.354565	0.050261	0.97812	1.00788289	6.203405
5037	497363.09	3863377.25	0.48195	0.59434	0.70827	0.40482	0.71342	0.37078	0.57094	0.59434	4.94524441	0.267480139	1.797E-05	0.02097	0.328994	0.051296	0.985734	0.98478516	5.614951
5038	497863.09	3863377.25	0.40388	0.61777	0.55123	0.36345	0.90571	0.36908	0.6466	0.61777	4.14417535	0.278024709	1.398E-05	0.018827	0.417668	0.05106	1.116361	1.02360724	5.002524
5039	498363.09	3863377.25	0.32421	0.78867	0.4067	0.3085	0.94797	0.34589	0.79682	0.78867	3.32668885	0.354937512	1.032E-05	0.015981	0.437157	0.047852	1.375718	1.30677812	4.251566
5040	471363.09	3863877.25	0.23705	0.09631	0.14366	0.28439	0.71568	0.19111	0.09043	0.09631	2.43234814	0.043343898	3.644E-06	0.014732	0.330036	0.026439	0.156128	0.1595798	2.843451
5041	471863.09	3863877.25	0.24548	0.0972	0.18196	0.25971	0.70985	0.18647	0.09232	0.0972	2.51884759	0.043744438	4.616E-06	0.013453	0.327348	0.025797	0.159391	0.16105448	2.927532
5042	472363.09	3863877.25	0.24962	0.09813	0.23151	0.22625	0.65429	0.18475	0.09419	0.09813	2.56132775	0.044162981	5.873E-06	0.01172	0.301726	0.025559	0.16262	0.16259543	2.944527
5043	472863.09	3863877.25	0.2517	0.09943	0.26045	0.19234	0.66469	0.18465	0.09638	0.09943	2.58267044	0.04474804	6.607E-06	0.009963	0.306522	0.025545	0.166401	0.16474945	2.971108
5044	473363.09	3863877.25	0.24927	0.10105	0.25932	0.1642	0.64799	0.18645	0.09878	0.10105	2.55773643	0.045477114	6.578E-06	0.008506	0.298821	0.025794	0.170545	0.16743369	2.939452
5045	473863.09	3863877.25	0.24485	0.10206	0.24972	0.16904	0.57701	0.18848	0.10064	0.10206	2.51238322	0.04593166	6.335E-06	0.008757	0.266088	0.026075	0.173756	0.1691072	2.86389
5046	474363.09	3863877.25	0.23459	0.10329	0.25549	0.17703	0.46133	0.19246	0.1026	0.10329	2.40710631	0.046485216	6.481E-06	0.00917	0.212742	0.026626	0.17714	0.17114523	2.708132
5047	474863.09	3863877.25	0.2196	0.10485	0.2397	0.17451	0.48132	0.19901	0.10468	0.10485	2.2532953	0.047187288	6.081E-06	0.00904	0.221961	0.027532	0.180731	0.17373006	2.566023
5048	475363.09	3863877.25	0.20705	0.10523	0.22983	0.17445	0.64916	0.20567	0.10546	0.10523	2.12452091	0.047358305	5.83E-06	0.009037	0.29936	0.028453	0.182078	0.1743597	2.516454
5049	475863.09	3863877.25	0.20699	0.10604	0.26428	0.19272	0.75541	0.21355	0.10638	0.10604	2.12390526	0.047722842	6.704E-06	0.009983	0.348358	0.029544	0.183666	0.17570182	2.567483
5050	476363.09	3863877.25	0.21686	0.10559	0.31455	0.21471	0.76434	0.21865	0.10605	0.10559	2.22518042	0.047520321	7.979E-06	0.011122	0.352476	0.030249	0.183096	0.17495619	2.674696
5051	476863.09	3863877.25	0.21597	0.105	0.29753	0.20883	0.65139	0.22005	0.10536	0.105	2.21604821	0.047254795	7.548E-06	0.010818	0.300389	0.030443	0.181905	0.1739786	2.612886
5052	477363.09	3863877.25	0.20709	0.10336	0.21616	0.21628	0.75644	0.21574	0.10358	0.10336	2.12493135	0.04651672	5.484E-06	0.011204	0.348833	0.029847	0.178832	0.17126122	2.568907
5053	477863.09	3863877.25	0.19434	0.10088	0.25901	0.2212	0.90308	0.22409	0.10105	0.10088	1.99410478	0.045400606	6.571E-06	0.011458	0.416456	0.031002	0.174464	0.16715201	2.50574
5054	478363.09	3863877.25	0.20692	0.0979	0.30459	0.20451	1.01084	0.22684	0.09831	0.0979	2.123187	0.04405947	7.727E-06	0.010594	0.466149	0.031382	0.169733	0.16221433	2.682898
5055	478863.09	3863877.25	0.21083	0.09736	0.35772	0.18784	0.80736	0.25479	0.09757	0.09736	2.16330714	0.043816446	9.075E-06	0.00973	0.372314	0.035249	0.168456	0.16131959	2.631562
5056	479363.09	3863877.25	0.21348	0.09873	0.3238	0.18762	0.894	0.25522	0.09919	0.09873	2.19049855	0.044433008	8.214E-06	0.009719	0.412268	0.035308	0.171253	0.16358959	2.699899
5057	479863.09	3863877.25	0.21607	0.10718	0.2586	0.24623	1.02847	0.23039	0.10699	0.10718	2.2170743	0.048235894	6.56E-06	0.012755	0.474279	0.031873	0.184719	0.17759073	2.791353
5058	480363.09	3863877.25	0.21997	0.11274	0.27222	0.27417	1.02567	0.21211	0.1125	0.11274	2.25709184	0.050738148	6.906E-06	0.014202	0.472988	0.029344	0.194232	0.18680331	2.831801
5059	480863.09	3863877.25	0.22219	0.11863	0.35425	0.25714	1.18564	0.20234	0.11691	0.11863	2.27987105	0.053388917	8.987E-06	0.01332	0.546758	0.027993	0.201846	0.19656268	2.926624
5060	481363.09	3863877.25	0.21761	0.15468	0.4246	0.22585	1.0733	0.1965	0.12373	0.15468	2.2328761	0.069613063	1.077E-05	0.011699	0.494953	0.027185	0.213621	0.25629533	2.793663
5061	481863.09	3863877.25	0.26899	0.15712	0.33111	0.28095	0.74502	0.19757	0.12511	0.15712	2.76008153	0.070711174	8.4E-06	0.014554	0.343566	0.027333	0.216004	0.26033826	3.171919
5062	482363.09	3863877.25	0.35495	0.12775	0.37074	0.28971	0.62694	0.20583	0.12779	0.12775	3.64210914	0.057493333	9.405E-06	0.015007	0.289114	0.028476	0.220631	0.21167396	4.041165
5063	482863.09	3863877.25	0.39226	0.13098	0.34108	0.25544	0.88222	0.21218	0.13106	0.13098	4.02494361	0.058946981	8.652E-06	0.013232	0.406836	0.029354	0.226276	0.21702588	4.542572
5064	483363.09	3863877.25	0.38301	0.13393	0.39563	0.31807	0.9424	0.21124	0.13402	0.13393	3.93003021	0.060274616	1.004E-05	0.016476	0.434588	0.029224	0.231387	0.22191385	4.480076
5065	483863.09	3863877.25	0.33902	0.13634	0.37863	0.36684	0.8177	0.19962	0.13645	0.13634	3.47865289	0.061359226	9.605E-06	0.019003	0.377083	0.027616	0.235582	0.22590707	3.973399
5066	484363.09	3863877.25	0.29527	0.14022	0.33712	0.29027	0.8091	0.19208	0.14032	0.14022	3.02973818	0.063105403	8.552E-06	0.015036	0.373117	0.026573	0.242264	0.23233599	3.517507
5067	484863.09	3863877.25	0.27191	0.14393	0.42522	0.31416	0.9238	0.20519	0.14403	0.14393	2.79004338	0.064775072	1.079E-05	0.016274	0.426011	0.028387	0.248669	0.23848324	3.335687
5068	485363.09	3863877.25	0.33202	0.14856	0.45805	0.31905	0.8406	0.26646	0.14868	0.14856	3.40682653	0.066858784	1.162E-05	0.016527	0.387643	0.036863	0.256698	0.24615487	3.925273
5069	485863.09	3863877.25	0.36256	0.15387	0.29152	0.27598	0.92635	0.39192	0.15398	0.15387	3.72019465	0.069248526	7.395E-06	0.014296	0.427187	0.05422	0.265848	0.25495321	4.296048

5070	486363.09	3863877.25	0.37164	0.16076	0.45222	0.27765	1.10509	0.36162	0.1609	0.16076	3.81336369	0.072349341	1.147E-05	0.014383	0.509613	0.050028	0.277795	0.26636952	4.471174
5071	486863.09	3863877.25	0.3605	0.16861	0.43434	0.33448	2.49144	0.42294	0.16876	0.16861	3.69905718	0.075882199	1.102E-05	0.017327	1.148928	0.058512	0.291366	0.27937649	5.011706
5072	487363.09	3863877.25	0.4261	0.17717	0.3743	0.41105	1.73784	0.41397	0.17735	0.17717	4.37217272	0.07973459	9.495E-06	0.021293	0.801406	0.057271	0.306197	0.29355989	5.344523
5073	487863.09	3863877.25	0.37619	0.18543	0.39076	0.4798	0.68276	0.40519	0.18562	0.18543	3.86005082	0.083451967	9.913E-06	0.024854	0.314855	0.056056	0.320475	0.30724621	4.352507
5074	488363.09	3863877.25	0.42709	0.19154	0.45114	0.54426	0.6142	0.34277	0.19171	0.19154	4.38233102	0.086201746	1.144E-05	0.028193	0.283239	0.047421	0.330989	0.31737011	4.841016
5075	488863.09	3863877.25	0.57964	0.19252	0.35256	1.38076	0.59716	0.38396	0.19264	0.19252	5.94763247	0.086642791	8.944E-06	0.071525	0.275381	0.053119	0.332595	0.31899391	6.44791
5076	489363.09	3863877.25	0.76556	0.19659	0.53869	1.2062	1.2815	0.34604	0.19787	0.19659	7.8553404	0.088474477	1.367E-05	0.062483	0.590964	0.047873	0.341625	0.32573765	8.661035
5077	489863.09	3863877.25	1.03474	0.2166	0.30599	0.5776	1.09983	0.38475	0.21784	0.2166	10.6173715	0.09747989	7.762E-06	0.02992	0.507187	0.053228	0.376103	0.358893	11.3224
5078	490363.09	3863877.25	1.18208	0.26398	0.34733	0.40131	0.39263	0.36138	0.23301	0.26398	12.1292136	0.118803054	8.811E-06	0.020788	0.181061	0.049995	0.402294	0.43739877	12.46477
5079	490863.09	3863877.25	1.07672	0.31077	0.433	0.36295	0.6677	0.46946	0.2458	0.31077	11.0481244	0.13986069	1.098E-05	0.018801	0.30791	0.064947	0.424376	0.51492695	11.4891
5080	491363.09	3863877.25	0.78676	0.32063	0.23113	0.35091	1.68576	0.42633	0.26811	0.32063	8.07287164	0.144298141	5.863E-06	0.018178	0.777389	0.058981	0.462895	0.53126437	9.003353
5081	491863.09	3863877.25	0.72123	0.28081	0.32854	0.32469	2.40601	0.35578	0.2794	0.28081	7.40047437	0.126377322	8.334E-06	0.016819	1.109532	0.04922	0.482387	0.46528505	8.719534
5082	492363.09	3863877.25	0.53782	0.22538	0.5226	0.26113	1.94826	0.33157	0.26871	0.22538	5.51852131	0.101431291	1.326E-05	0.013527	0.898441	0.045871	0.463931	0.37344092	6.668294
5083	492863.09	3863877.25	0.42045	0.21064	0.37509	0.44831	1.45036	0.4467	0.31024	0.21064	4.31419859	0.094797618	9.515E-06	0.023223	0.668834	0.061799	0.535633	0.34901764	5.349476
5084	493363.09	3863877.25	0.41156	0.24964	0.43518	0.51696	1.42213	0.38091	0.22001	0.24964	4.22297912	0.112349399	1.104E-05	0.026779	0.655816	0.052697	0.379849	0.41363826	5.036843
5085	493863.09	3863877.25	0.38774	0.2655	0.49743	0.38235	0.79456	0.246	0.27194	0.2655	3.9785643	0.119487123	1.262E-05	0.019806	0.366412	0.034033	0.469507	0.43991732	4.547905
5086	494363.09	3863877.25	0.34721	0.28774	0.49586	0.39874	0.53209	0.35718	0.29063	0.28774	3.56268972	0.129496139	1.258E-05	0.020655	0.245373	0.049414	0.501776	0.47676764	4.032649
5087	494863.09	3863877.25	0.40377	0.25297	0.43828	0.43923	0.67625	0.2993	0.30706	0.25297	4.14304665	0.113848051	1.112E-05	0.022753	0.311853	0.041407	0.530142	0.41915587	4.743905
5088	495363.09	3863877.25	0.45133	0.26634	0.40757	0.41641	0.69188	0.34478	0.33305	0.26634	4.63105542	0.119865162	1.034E-05	0.021571	0.319061	0.047699	0.575014	0.44130915	5.272966
5089	495863.09	3863877.25	0.48713	0.27867	0.538	0.32926	0.54248	0.34215	0.31413	0.27867	4.99839591	0.125414225	1.365E-05	0.017056	0.250165	0.047335	0.542349	0.46173921	5.518989
5090	496363.09	3863877.25	0.50309	0.39956	0.63365	0.3006	0.45515	0.35753	0.37098	0.39956	5.16215999	0.179820245	1.607E-05	0.015571	0.209893	0.049463	0.640501	0.66204657	5.595377
5091	496863.09	3863877.25	0.52866	0.42393	0.75749	0.40722	0.58466	0.37072	0.44851	0.42393	5.4245314	0.190787858	1.922E-05	0.021095	0.269616	0.051287	0.774357	0.70242617	6.029267
5092	497363.09	3863877.25	0.53032	0.47232	0.8123	0.36817	0.71659	0.3515	0.41849	0.47232	5.44156451	0.212565567	2.061E-05	0.019072	0.330456	0.048628	0.722527	0.78260545	5.992228
5093	497863.09	3863877.25	0.50051	0.5119	0.75746	0.36363	0.67228	0.33881	0.48248	0.5119	5.13568685	0.230378374	1.922E-05	0.018837	0.310022	0.046873	0.833007	0.8481871	5.726635
5094	498363.09	3863877.25	0.43866	0.4992	0.61874	0.357	0.72925	0.3372	0.47788	0.4992	4.50104972	0.224662795	1.57E-05	0.018493	0.336294	0.04665	0.825065	0.82714397	5.125086
5095	471363.09	3864377.25	0.22763	0.09579	0.22629	0.17715	0.58545	0.17596	0.0934	0.09579	2.33569039	0.043109874	5.74E-06	0.009177	0.26998	0.024343	0.161256	0.15871819	2.684844
5096	471863.09	3864377.25	0.23051	0.09687	0.23951	0.15256	0.61104	0.17726	0.0952	0.09687	2.36524181	0.043595923	6.076E-06	0.007903	0.281781	0.024523	0.164364	0.16050769	2.726907
5097	472363.09	3864377.25	0.22996	0.09809	0.22705	0.15316	0.58665	0.18116	0.09699	0.09809	2.35959831	0.044144979	5.76E-06	0.007934	0.270534	0.025063	0.167454	0.16252915	2.712204
5098	472863.09	3864377.25	0.22551	0.09915	0.19371	0.16209	0.51495	0.18716	0.09851	0.09915	2.31393727	0.044622027	4.914E-06	0.008396	0.237469	0.025893	0.170079	0.16428551	2.636116
5099	473363.09	3864377.25	0.21443	0.10041	0.23061	0.16061	0.41869	0.19512	0.1001	0.10041	2.20024641	0.045189085	5.85E-06	0.00832	0.193079	0.026994	0.172824	0.16637325	2.480285
5100	473863.09	3864377.25	0.20051	0.10091	0.24359	0.15493	0.45476	0.20222	0.10095	0.10091	2.05741458	0.045414108	6.179E-06	0.008026	0.209713	0.027976	0.174291	0.16720172	2.355639
5101	474363.09	3864377.25	0.18527	0.10057	0.23238	0.16283	0.58276	0.20723	0.10088	0.10057	1.90103835	0.045261092	5.895E-06	0.008435	0.26874	0.028669	0.17417	0.16663836	2.259681
5102	474863.09	3864377.25	0.18375	0.10037	0.22842	0.17891	0.69257	0.21055	0.10078	0.10037	1.88544177	0.045171083	5.795E-06	0.009268	0.319379	0.029129	0.173998	0.16630697	2.296085
5103	475363.09	3864377.25	0.19823	0.0988	0.2516	0.18744	0.72607	0.20895	0.09923	0.0988	2.03401971	0.044464511	6.383E-06	0.00971	0.334827	0.028907	0.171322	0.16370558	2.459551
5104	475863.09	3864377.25	0.20556	0.09729	0.27766	0.18646	0.65206	0.20378	0.09767	0.09729	2.10923216	0.043784942	7.044E-06	0.009659	0.300698	0.028192	0.168628	0.1612036	2.498997
5105	476363.09	3864377.25	0.20519	0.09523	0.26621	0.17872	0.61278	0.19535	0.09557	0.09523	2.10543563	0.042857848	6.753E-06	0.009258	0.282584	0.027026	0.165003	0.15779031	2.47438
5106	476863.09	3864377.25	0.1965	0.09309	0.25505	0.17609	0.75806	0.18754	0.09342	0.09309	2.01626834	0.041894751	6.47E-06	0.009122	0.34958	0.025945	0.161291	0.15424446	2.449862
5107	477363.09	3864377.25	0.18344	0.09359	0.27978	0.15778	0.88373	0.20167	0.09385	0.09359	1.88226089	0.042119774	7.097E-06	0.008173	0.407532	0.0279	0.162033	0.15507293	2.374953
5108	477863.09	3864377.25	0.19172	0.09739	0.28099	0.14761	0.85351	0.2124	0.09758	0.09739	1.9672212	0.043829947	7.128E-06	0.007646	0.393596	0.029385	0.168473	0.16136929	2.448789
5109	478363.09	3864377.25	0.20081	0.1006	0.26383	0.16589	0.61574	0.21896	0.10081	0.1006	2.06049285	0.045274594	6.693E-06	0.008593	0.283949	0.030292	0.174049	0.16668807	2.43597
5110	478863.09	3864377.25	0.20904	0.10338	0.20918	0.22102	0.90178	0.21421	0.1036	0.10338	2.14494012	0.046525721	5.306E-06	0.011449	0.415856	0.029635	0.178866	0.17129436	2.655983
5111	479363.09	3864377.25	0.21263	0.10732	0.21504	0.25481	0.97351	0.19408	0.10751	0.10732	2.18177678	0.0482989	5.455E-06	0.0132	0.448934	0.02685	0.185617	0.1778227	2.72686
5112	479863.09	3864377.25	0.21547	0.11	0.25883	0.25091	0.95903	0.17971	0.11022	0.11	2.21091776	0.049505023	6.566E-06	0.012997	0.442257	0.024862	0.190296	0.1822633	2.748579
5113	480363.09	3864377.25	0.21675	0.11205	0.3278	0.21413	1.0908	0.18699	0.1123	0.11205	2.22405172	0.050427616	8.316E-06	0.011092	0.503023	0.025869	0.193887	0.18566002	2.822699
5114	480863.09	3864377.25	0.21186	0.1181	0.37359	0.23306	0.98019	0.17759	0.1157	0.1181	2.17387588	0.053150393	9.477E-06	0.012073	0.452015	0.024569	0.199757	0.1956845	2.719765
5115	481363.09	3864377.25	0.2203	0.15156	0.29544	0.26345	0.699	0.18344	0.11936	0.15156	2.26047794	0.068208921	7.495E-06	0.013647	0.322344	0.025378	0.206076	0.25112568	2.645014
5116	481863.09	3864377.25	0.27816	0.14783	0.3221	0.25189	0.5651	0.19184	0.12085	0.14783	2.85417405	0.06653025	8.171E-06	0.013048	0.260596	0.02654	0.208649	0.2449453	3.1846
5117	482363.09	3864377.25	0.3558	0.12368	0.3415	0.22869	0.7733	0.2011	0.12383	0.12368	3.65083092	0.055661647	8.663E-06	0.011846	0.356608	0.027821	0.213794	0.20493022	4.11164
5118	482863.09	3864377.25	0.38861	0.12728	0.29499	0.3231	0.80036	0.19738	0.12739	0.12728	3.98749129	0.057281812	7.483E-06	0.016737	0.369086	0.027307	0.21994	0.2108952	4.466955
5119	483363.09	3864377.25	0.37347	0.13137	0.38937	0.34687	0.84016	0.18026	0.13143	0.13137	3.83214115	0.059122499	9.877E-06	0.017968	0.38744	0.024938	0.226915	0.21767208	4.330863
5120	483863.09	3864377.25	0.32881	0.13572	0.33074	0.2618	0.7663	0.16924	0.13574	0.13572	3.37388902	0.061080197	8.39E-06	0.013562	0.35338	0.023414	0.234356	0.22487977	3.834809
5121	484363.09	3864377.25	0.28898	0.14013	0.3852	0.28347	0.87437	0.17851	0.14009	0.14013	2.96519707	0.063064899	9.772E-06	0.014684	0.403216	0.024696	0.241867	0.23218687	3.480548
5122	484863.09	3864377.25	0.2698	0.14329	0.40457	0.28985	0.69258	0.18455	0.14319	0.14329	2.76839286	0.064487043	1.026E-05	0.015015	0.319384	0.025532	0.247219	0.2374228	3.202616
5123	485363.09	3864377.25	0.28715	0.14525	0.30346	0.25412	0.87411	0.27709	0.14509	0.14525	2.94641961	0.065369132	7.698E-06	0.013164	0.403096	0.038334	0.250499	0.2406704	3.476219
5124	485863.09	3864377.25	0.34361	0.14492	0.25147	0.23942	0.83708	0.37891	0.14468	0.14492	3.52575045	0.065220617	6.379E-06	0.012402	0.38602	0.05242	0.249791	0.24012361	4.051488
5125	486363.09	3864377.25	0.36793	0.1473	0.45934	0.28348	1.29633	0.35554	0.14825	0.1473	3.77529572	0.066291726	1.165E-05	0.014685	0.597803	0.049187	0.255955	0.24406712	4.515162
5126	486863.09	3864377.25	0.36646	0.15686	0.35706	0.35905	2.47659	0.43136	0.15779	0.15686	3.76021219	0.070594163	9.058E-06	0.018599	1.14208	0.059677	0.272426	0.25990746	5.06369

5127	487363.09	3864377.25	0.42578	0.16711	0.38359	0.34695	1.49711	0.39219	0.168	0.16711	4.36888923	0.075207131	9.731E-06	0.017972	0.690393	0.054258	0.290054	0.27689108	5.219892
5128	487863.09	3864377.25	0.35695	0.17484	0.27728	0.39645	0.63152	0.37303	0.17564	0.17484	3.66263096	0.078685984	7.034E-06	0.020537	0.291226	0.051607	0.303244	0.28969922	4.118238
5129	488363.09	3864377.25	0.31259	0.17413	0.32568	0.50742	0.57433	0.30381	0.17479	0.17413	3.2074571	0.078366451	8.262E-06	0.026285	0.264852	0.042031	0.301777	0.2885228	3.632254
5130	488863.09	3864377.25	0.46854	0.19274	0.40738	1.43846	0.42979	0.3609	0.19356	0.19274	4.80764564	0.086741801	1.033E-05	0.074514	0.198198	0.049929	0.334183	0.31935843	5.231863
5131	489363.09	3864377.25	0.62115	0.20923	0.4643	0.74171	1.03607	0.33044	0.20983	0.20923	6.37356274	0.094163054	1.178E-05	0.038422	0.477784	0.045715	0.362274	0.34668136	7.04525
5132	489863.09	3864377.25	0.83224	0.22008	0.26987	0.56796	1.19522	0.34133	0.22126	0.22008	8.53953772	0.099046049	6.846E-06	0.029421	0.551176	0.047221	0.382008	0.36465915	9.283758
5133	490363.09	3864377.25	1.05454	0.21351	0.24509	0.38143	0.463	0.36506	0.21452	0.21351	10.8205375	0.096089249	6.217E-06	0.019759	0.213513	0.050504	0.370371	0.35377306	11.21701
5134	490863.09	3864377.25	1.10657	0.25595	0.37514	0.34438	0.42861	0.34706	0.19115	0.25595	11.3544125	0.115189187	9.516E-06	0.017839	0.197654	0.048014	0.330022	0.42409355	11.63905
5135	491363.09	3864377.25	0.99128	0.25655	0.2638	0.35377	1.08327	0.52778	0.18305	0.25655	10.1714325	0.115459215	6.692E-06	0.018326	0.49955	0.073016	0.316038	0.42508771	10.76874
5136	491863.09	3864377.25	0.8836	0.13984	0.15188	0.24393	1.47544	0.14508	0.17267	0.13984	9.06653793	0.062934385	3.853E-06	0.012636	0.6804	0.020071	0.298117	0.23170636	9.908993
5137	492363.09	3864377.25	0.75159	0.16952	0.35383	0.42803	3.07331	0.28125	0.20765	0.16952	7.71199552	0.076291741	8.976E-06	0.022173	1.417258	0.03891	0.35851	0.28088431	9.344262
5138	492863.09	3864377.25	0.4786	0.12679	0.18058	0.31155	0.85868	0.20636	0.19952	0.12679	4.91087037	0.057061289	4.581E-06	0.016139	0.395981	0.028549	0.344473	0.2100833	5.542994
5139	493363.09	3864377.25	0.40091	0.19679	0.3386	0.44046	1.86768	0.26565	0.19944	0.19679	4.11370046	0.088564486	8.59E-06	0.022816	0.861281	0.036751	0.344335	0.32606904	5.141389
5140	493863.09	3864377.25	0.39486	0.23021	0.40807	0.42779	1.43482	0.29812	0.18954	0.23021	4.05162197	0.103605012	1.035E-05	0.02216	0.661668	0.041243	0.327243	0.38144394	4.826107
5141	494363.09	3864377.25	0.37611	0.24282	0.46644	0.33402	0.65835	0.33027	0.21335	0.24282	3.85922995	0.109280088	1.183E-05	0.017303	0.303598	0.045691	0.368351	0.40233794	4.301127
5142	494863.09	3864377.25	0.3187	0.23877	0.46499	0.36395	0.47904	0.21582	0.25412	0.23877	3.27015124	0.107457403	1.18E-05	0.018853	0.220909	0.029858	0.438741	0.39562734	3.690354
5143	495363.09	3864377.25	0.35339	0.21672	0.42	0.37183	0.61819	0.23542	0.29048	0.21672	3.62610213	0.097533896	1.065E-05	0.019261	0.285079	0.032569	0.501517	0.35909183	4.202981
5144	495863.09	3864377.25	0.39905	0.23156	0.39705	0.36994	0.63144	0.29886	0.29918	0.23156	4.09461517	0.104212574	1.007E-05	0.019163	0.291189	0.041346	0.516537	0.38368081	4.683392
5145	496363.09	3864377.25	0.42853	0.27275	0.38477	0.30871	0.53228	0.28813	0.31083	0.27275	4.39710672	0.122749954	9.761E-06	0.015992	0.245461	0.039861	0.536651	0.45193013	4.905902
5146	496863.09	3864377.25	0.4475	0.29081	0.55059	0.26926	0.42766	0.29784	0.27947	0.29081	4.59175614	0.130877779	1.397E-05	0.013948	0.197216	0.041205	0.482508	0.48185445	4.97567
5147	497363.09	3864377.25	0.48397	0.38849	0.60983	0.33606	0.45639	0.32431	0.39022	0.38849	4.96597144	0.174838239	1.547E-05	0.017408	0.210464	0.044867	0.673719	0.64370425	5.443579
5148	497863.09	3864377.25	0.52034	0.37607	0.79401	0.3716	0.64421	0.33192	0.41399	0.37607	5.33916065	0.169248672	2.014E-05	0.019249	0.297078	0.04592	0.714758	0.62312507	5.962309
5149	498363.09	3864377.25	0.49987	0.41338	0.7544	0.30414	0.6662	0.30615	0.37192	0.41338	5.12911987	0.186039876	1.914E-05	0.015755	0.307218	0.042354	0.642124	0.68494546	5.637685
5150	471363.09	3864877.25	0.20735	0.09409	0.1983	0.14637	0.5299	0.18191	0.09371	0.09409	2.12759919	0.042344796	5.03E-06	0.007582	0.244364	0.025166	0.161791	0.1559014	2.452951
5151	471863.09	3864877.25	0.20347	0.09459	0.18136	0.15143	0.46033	0.18843	0.09443	0.09459	2.08778686	0.042569819	4.601E-06	0.007844	0.212281	0.026068	0.163034	0.15672986	2.38286
5152	472363.09	3864877.25	0.19498	0.09475	0.18122	0.14917	0.38724	0.19509	0.09472	0.09475	2.00067176	0.042641826	4.597E-06	0.007727	0.178576	0.02699	0.163535	0.15699498	2.263151
5153	472863.09	3864877.25	0.18232	0.09433	0.21808	0.14428	0.4384	0.19986	0.09443	0.09433	1.87076867	0.042452807	5.532E-06	0.007474	0.202168	0.02765	0.163034	0.15629906	2.157254
5154	473363.09	3864877.25	0.16572	0.09377	0.23203	0.15481	0.52481	0.20175	0.09401	0.09377	1.7004376	0.042200782	5.886E-06	0.008019	0.242016	0.027911	0.162309	0.15537117	2.027529
5155	473863.09	3864877.25	0.16381	0.09259	0.22418	0.1667	0.63709	0.19937	0.09294	0.09259	1.68083927	0.041669728	5.687E-06	0.008635	0.293794	0.027582	0.160462	0.15341599	2.059572
5156	474363.09	3864877.25	0.17708	0.09073	0.22285	0.17062	0.68589	0.19343	0.09114	0.09073	1.81700151	0.040832643	5.653E-06	0.008838	0.316298	0.02676	0.157354	0.15033408	2.216757
5157	474863.09	3864877.25	0.18948	0.08892	0.23884	0.167	0.64405	0.18539	0.08932	0.08892	1.94423677	0.04001806	6.059E-06	0.008651	0.297004	0.025648	0.154212	0.14733502	2.32244
5158	475363.09	3864877.25	0.19598	0.08724	0.25618	0.16212	0.52241	0.17644	0.08758	0.08724	2.01093267	0.039261984	6.499E-06	0.008398	0.24091	0.02441	0.151208	0.14455136	2.330575
5159	475863.09	3864877.25	0.19413	0.09006	0.239	0.15669	0.63893	0.16771	0.0903	0.09006	1.99194999	0.040531112	6.063E-06	0.008117	0.294643	0.023202	0.155904	0.14922393	2.365129
5160	476363.09	3864877.25	0.18539	0.09239	0.24332	0.13904	0.76001	0.1609	0.09267	0.09239	1.90226966	0.041579719	6.173E-06	0.007202	0.350479	0.02226	0.159996	0.1530846	2.330708
5161	476863.09	3864877.25	0.17917	0.09307	0.24281	0.1364	0.87327	0.18841	0.09354	0.09307	1.83844681	0.04188575	6.16E-06	0.007066	0.402709	0.026066	0.161498	0.15421132	2.323465
5162	477363.09	3864877.25	0.18695	0.09612	0.24736	0.15473	0.74732	0.19024	0.09648	0.09612	1.91827667	0.043258389	6.275E-06	0.008015	0.344627	0.026319	0.166574	0.15926498	2.347811
5163	477863.09	3864877.25	0.19531	0.09845	0.20688	0.19738	0.62752	0.1837	0.09882	0.09845	2.00405786	0.044306995	5.248E-06	0.010225	0.289381	0.025414	0.170614	0.16312565	2.380878
5164	478363.09	3864877.25	0.20373	0.10082	0.17765	0.2348	0.90039	0.17265	0.10118	0.10082	2.0904547	0.045373604	4.507E-06	0.012163	0.415215	0.023885	0.174688	0.1670526	2.594732
5165	478863.09	3864877.25	0.20892	0.10326	0.21295	0.24111	0.91449	0.16859	0.1036	0.10326	2.14370881	0.046471715	5.402E-06	0.01249	0.421717	0.023324	0.178866	0.17109553	2.655488
5166	479363.09	3864877.25	0.20991	0.10579	0.23567	0.21465	0.89291	0.1773	0.10609	0.10579	2.15386711	0.047610331	5.978E-06	0.011119	0.411766	0.024529	0.183165	0.17528758	2.656775
5167	479863.09	3864877.25	0.20908	0.10829	0.29277	0.18827	0.99767	0.17772	0.10854	0.10829	2.14535056	0.048735445	7.427E-06	0.009753	0.460076	0.024587	0.187395	0.17942993	2.696474
5168	480363.09	3864877.25	0.20706	0.11089	0.33766	0.23027	0.9044	0.16921	0.1111	0.11089	2.12462352	0.049905563	8.566E-06	0.011928	0.417064	0.023409	0.191815	0.18373797	2.635017
5169	480863.09	3864877.25	0.20858	0.11883	0.26728	0.25473	0.6585	0.17519	0.11326	0.11883	2.1402201	0.053478926	6.78E-06	0.013195	0.303668	0.024237	0.195545	0.19689407	2.533456
5170	481363.09	3864877.25	0.21439	0.14869	0.25815	0.21759	0.50576	0.18313	0.11571	0.14869	2.19983598	0.066917289	6.549E-06	0.011271	0.233231	0.025335	0.199774	0.24637027	2.490002
5171	481863.09	3864877.25	0.28517	0.13826	0.31706	0.24098	0.65674	0.19028	0.1161	0.13826	2.92610301	0.062223313	8.043E-06	0.012483	0.302856	0.026324	0.200448	0.22908839	3.301357
5172	482363.09	3864877.25	0.35648	0.11717	0.31778	0.32291	0.74916	0.18425	0.11751	0.11717	3.65780833	0.05273185	8.061E-06	0.016727	0.345475	0.02549	0.202882	0.19414355	4.10698
5173	482863.09	3864877.25	0.38427	0.11968	0.28822	0.3264	0.81823	0.16416	0.12015	0.11968	3.94295895	0.053861465	7.312E-06	0.016908	0.377327	0.022711	0.20744	0.19830247	4.422911
5174	483363.09	3864877.25	0.3652	0.12108	0.37927	0.23823	0.68022	0.16058	0.12154	0.12108	3.74728345	0.054491529	9.621E-06	0.012341	0.313684	0.022215	0.20984	0.20062218	4.159242
5175	483863.09	3864877.25	0.32036	0.12491	0.3462	0.25644	0.68257	0.16439	0.1257	0.12491	3.28718435	0.056215204	8.782E-06	0.013284	0.314767	0.022743	0.217022	0.20696826	3.704256
5176	484363.09	3864877.25	0.28326	0.13063	0.36183	0.26557	0.80326	0.16924	0.13139	0.13063	2.90650468	0.058789465	9.179E-06	0.013757	0.370424	0.023414	0.226846	0.21644595	3.383298
5177	484863.09	3864877.25	0.26958	0.13626	0.25037	0.23632	0.60158	0.18748	0.13697	0.13626	2.76613546	0.061323222	6.351E-06	0.012242	0.277419	0.025937	0.23648	0.22577452	3.153768
5178	485363.09	3864877.25	0.29279	0.14059	0.23174	0.21781	0.83215	0.29033	0.14123	0.14059	3.00429113	0.06327192	5.879E-06	0.011283	0.383746	0.040166	0.243835	0.23294906	3.51365
5179	485863.09	3864877.25	0.34799	0.14003	0.23824	0.24661	0.70521	0.3693	0.14057	0.14003	3.57069323	0.063019894	6.044E-06	0.012775	0.325208	0.051091	0.242696	0.23202118	4.033467
5180	486363.09	3864877.25	0.36411	0.13918	0.45098	0.30809	1.4732	0.35161	0.1397	0.13918	3.73609906	0.062637355	1.144E-05	0.015959	0.679367	0.048644	0.241193	0.23061278	4.553298
5181	486863.09	3864877.25	0.3733	0.14834	0.30745	0.33185	2.41029	0.43197	0.14894	0.14834	3.8303968	0.066759774	7.799E-06	0.01719	1.111506	0.059761	0.257146	0.24579034	5.096978
5182	487363.09	3864877.25	0.42099	0.1595	0.32771	0.32567	1.27703	0.37663	0.16022	0.1595	4.31973948	0.071782283	8.313E-06	0.01687	0.588903	0.052105	0.276621	0.26428178	5.061748
5183	487863.09	3864877.25	0.33625	0.16972	0.33169	0.4059	0.58439	0.33094	0.16984	0.16972	3.45023017	0.07638175	8.414E-06	0.021026	0.269492	0.045784	0.29323	0.2812157	3.874937

5184	488363.09	3864877.25	0.28038	0.17325	0.21464	0.57021	0.53747	0.27435	0.17318	0.17325	2.87695327	0.077970411	5.445E-06	0.029538	0.247854	0.037955	0.298997	0.28706469	3.282209
5185	488863.09	3864877.25	0.36111	0.161	0.43943	1.45064	0.3041	0.3279	0.16137	0.161	3.70531633	0.072457352	1.115E-05	0.075145	0.140236	0.045363	0.278607	0.26676719	4.050369
5186	489363.09	3864877.25	0.50764	0.13586	0.39982	0.59614	0.83469	0.31586	0.13627	0.13586	5.20884712	0.061143204	1.014E-05	0.030881	0.384918	0.043698	0.235272	0.22511174	5.739656
5187	489863.09	3864877.25	0.67233	0.144	0.23953	0.55716	1.18558	0.25799	0.13969	0.144	6.89871599	0.064806575	6.076E-06	0.028862	0.546731	0.035692	0.241176	0.23859922	7.57739
5188	490363.09	3864877.25	0.88856	0.16516	0.17763	0.38902	0.64924	0.32775	0.14781	0.16516	9.11743204	0.074329542	4.506E-06	0.020152	0.299397	0.045343	0.255195	0.27366005	9.538193
5189	490863.09	3864877.25	1.18481	0.2035	0.3274	0.35626	0.35528	0.59308	0.11075	0.2035	12.1572259	0.091584292	8.305E-06	0.018455	0.163837	0.08205	0.191211	0.3371871	12.36718
5190	491363.09	3864877.25	1.07687	0.22153	0.33145	0.33695	0.61169	0.44086	0.15808	0.22153	11.0496635	0.099698616	8.408E-06	0.017454	0.282081	0.060991	0.272927	0.36706171	11.41576
5191	491863.09	3864877.25	0.90076	0.29774	0.18477	0.33169	1.4529	0.50188	0.16688	0.29774	9.24261511	0.133996595	4.687E-06	0.017182	0.670005	0.069433	0.28812	0.49333703	9.928019
5192	492363.09	3864877.25	0.47534	0.08726	0.13631	0.13717	0.73166	0.12982	0.09311	0.08726	4.87741981	0.039270984	3.458E-06	0.007106	0.337405	0.01796	0.160755	0.1445845	5.295336
5193	492863.09	3864877.25	0.55483	0.10385	0.15128	0.18563	1.13067	0.13161	0.14342	0.10385	5.69305935	0.046737242	3.838E-06	0.009616	0.521409	0.018208	0.247616	0.17207312	6.364576
5194	493363.09	3864877.25	0.3264	0.11075	0.16968	0.19062	0.65663	0.15502	0.11121	0.11075	3.34916023	0.049842557	4.304E-06	0.009874	0.302805	0.021446	0.192005	0.183506	3.741632
5195	493863.09	3864877.25	0.37039	0.18188	0.31694	0.43973	1.80525	0.25922	0.18569	0.18188	3.80053756	0.081854305	8.04E-06	0.022779	0.832492	0.035862	0.320596	0.30136407	4.792764
5196	494363.09	3864877.25	0.36657	0.21291	0.38298	0.39486	1.14898	0.29106	0.18064	0.21291	3.76134089	0.095819222	9.715E-06	0.020454	0.529853	0.040267	0.311877	0.35277889	4.406841
5197	494863.09	3864877.25	0.35923	0.22553	0.42982	0.30129	0.54686	0.21642	0.1915	0.22553	3.68602583	0.101498798	1.09E-05	0.015607	0.252185	0.029941	0.330627	0.37368946	4.042205
5198	495363.09	3864877.25	0.31264	0.22821	0.44096	0.32822	0.43324	0.2103	0.23593	0.22821	3.20797014	0.102704921	1.119E-05	0.017002	0.199789	0.029094	0.407336	0.37813006	3.585777
5199	495863.09	3864877.25	0.30256	0.2052	0.39258	0.30881	0.56356	0.19636	0.25273	0.2052	3.1045402	0.09234937	9.959E-06	0.015997	0.259886	0.027165	0.436341	0.34000389	3.596285
5200	496363.09	3864877.25	0.3571	0.20902	0.37947	0.36577	0.574	0.25733	0.27625	0.20902	3.6641701	0.094068544	9.626E-06	0.018947	0.2647	0.0356	0.476948	0.3463334	4.208111
5201	496863.09	3864877.25	0.39069	0.23037	0.30269	0.30504	0.5203	0.27693	0.27062	0.23037	4.00883398	0.103677019	7.679E-06	0.015801	0.239937	0.038312	0.467228	0.38170905	4.492088
5202	497363.09	3864877.25	0.40236	0.22579	0.44382	0.26244	0.39189	0.25236	0.26317	0.22579	4.12857877	0.10161581	1.126E-05	0.013595	0.18072	0.034913	0.454366	0.37412027	4.539679
5203	497863.09	3864877.25	0.4414	0.33421	0.53159	0.25813	0.35903	0.27272	0.31449	0.33421	4.5291646	0.150409761	1.349E-05	0.013371	0.165567	0.037729	0.54297	0.5537656	4.88546
5204	498363.09	3864877.25	0.47142	0.35494	0.62756	0.33277	0.5293	0.29246	0.37434	0.35494	4.83719705	0.159739207	1.592E-05	0.017238	0.244087	0.04046	0.646302	0.58811395	5.356925
5205	471363.09	3865377.25	0.17391	0.08818	0.16309	0.1268	0.35793	0.19066	0.08831	0.08818	1.78447444	0.039685026	4.137E-06	0.006568	0.16506	0.026377	0.152468	0.14610889	2.028528
5206	471863.09	3865377.25	0.16366	0.08709	0.17127	0.13725	0.41606	0.1913	0.08721	0.08709	1.67930013	0.039194477	4.345E-06	0.00711	0.191866	0.026465	0.150569	0.14430282	1.950206
5207	472363.09	3865377.25	0.15249	0.08566	0.20713	0.14613	0.47812	0.18899	0.08581	0.08566	1.5646858	0.038550911	5.254E-06	0.00757	0.220485	0.026146	0.148152	0.1419334	1.863661
5208	472863.09	3865377.25	0.16135	0.08363	0.22036	0.15647	0.59543	0.18335	0.0839	0.08363	1.65559744	0.037637319	5.59E-06	0.008105	0.274583	0.025366	0.144854	0.13856981	2.007578
5209	473363.09	3865377.25	0.1634	0.08263	0.21701	0.15485	0.64831	0.17647	0.08295	0.08263	1.6766323	0.037187273	5.505E-06	0.008021	0.298968	0.024414	0.143214	0.13691287	2.05153
5210	473863.09	3865377.25	0.17038	0.08294	0.21464	0.14991	0.62925	0.1682	0.08329	0.08294	1.74825343	0.037326787	5.445E-06	0.007766	0.290179	0.02327	0.143801	0.13742652	2.113174
5211	474363.09	3865377.25	0.18158	0.0849	0.22598	0.14719	0.53608	0.16018	0.08527	0.0849	1.8631756	0.038208877	5.733E-06	0.007625	0.247213	0.02216	0.14722	0.14067413	2.184934
5212	474863.09	3865377.25	0.18774	0.08656	0.2385	0.14032	0.5321	0.15291	0.08696	0.08656	1.92638279	0.038955953	6.05E-06	0.007269	0.245378	0.021154	0.150137	0.14342464	2.245859
5213	475363.09	3865377.25	0.18507	0.0886	0.21797	0.12526	0.64014	0.1454	0.08901	0.0886	1.89898617	0.039874046	5.529E-06	0.006489	0.295201	0.020115	0.153677	0.1468048	2.267542
5214	475863.09	3865377.25	0.17685	0.09029	0.20123	0.12126	0.79359	0.14563	0.09069	0.09029	1.8146415	0.040634623	5.105E-06	0.006281	0.365964	0.020147	0.156577	0.14960503	2.254646
5215	476363.09	3865377.25	0.17782	0.08424	0.24234	0.15059	0.85372	0.18446	0.08527	0.08424	1.82459459	0.037911847	6.148E-06	0.007801	0.393693	0.025519	0.14722	0.13958055	2.297165
5216	476863.09	3865377.25	0.19415	0.08896	0.21456	0.1892	0.70196	0.20126	0.08998	0.08896	1.99215521	0.040036062	5.443E-06	0.009801	0.323709	0.027843	0.155351	0.1474013	2.4015
5217	477363.09	3865377.25	0.19456	0.09025	0.16469	0.22114	0.70868	0.18183	0.09095	0.09025	1.99636218	0.040616621	4.178E-06	0.011455	0.326808	0.025155	0.157026	0.14953875	2.407889
5218	477863.09	3865377.25	0.19915	0.09723	0.1681	0.23135	0.90199	0.15874	0.09754	0.09723	2.04345974	0.04375794	4.264E-06	0.011984	0.415953	0.021961	0.168404	0.16110418	2.54442
5219	478363.09	3865377.25	0.20505	0.09874	0.21662	0.21583	0.8604	0.16333	0.09899	0.09874	2.1039991	0.044437509	5.495E-06	0.01118	0.396774	0.022596	0.170907	0.16360616	2.586293
5220	478863.09	3865377.25	0.20516	0.09917	0.21442	0.18007	0.83583	0.17463	0.09932	0.09917	2.1051278	0.044631028	5.439E-06	0.009328	0.385443	0.024159	0.171477	0.16431865	2.575853
5221	479363.09	3865377.25	0.20292	0.09893	0.26808	0.19414	0.92243	0.16867	0.09969	0.09893	2.08214337	0.044523017	6.801E-06	0.010057	0.425379	0.023335	0.172116	0.16392098	2.593638
5222	479863.09	3865377.25	0.20124	0.10064	0.30168	0.24099	0.83442	0.16141	0.10125	0.10064	2.06490504	0.045292595	7.653E-06	0.012484	0.384793	0.02233	0.174809	0.16675435	2.537867
5223	480363.09	3865377.25	0.19784	0.10284	0.24158	0.23326	0.62038	0.16745	0.10353	0.10284	2.03001795	0.046282696	6.128E-06	0.012083	0.286088	0.023166	0.178746	0.17039961	2.40599
5224	480863.09	3865377.25	0.20274	0.11907	0.24478	0.18798	0.44891	0.17471	0.10606	0.11907	2.0802964	0.053586937	6.21E-06	0.009738	0.207015	0.02417	0.183114	0.19729173	2.360634
5225	481363.09	3865377.25	0.20287	0.14473	0.23221	0.25304	0.54853	0.17988	0.11167	0.14473	2.08163032	0.065135109	5.891E-06	0.013108	0.252955	0.024886	0.192799	0.23980879	2.39071
5226	481863.09	3865377.25	0.29237	0.13056	0.31126	0.31899	0.70458	0.17209	0.11224	0.13056	2.99998155	0.058757962	7.896E-06	0.016524	0.324917	0.023808	0.193783	0.21632996	3.40145
5227	482363.09	3865377.25	0.35746	0.11471	0.30019	0.30291	0.7427	0.16743	0.11536	0.11471	3.66786402	0.051624738	7.615E-06	0.015691	0.342496	0.023163	0.19917	0.19006748	4.10995
5228	482863.09	3865377.25	0.37922	0.11663	0.29243	0.21723	0.65928	0.1581	0.11721	0.11663	3.89114137	0.052488826	7.418E-06	0.011253	0.304027	0.021872	0.202364	0.1932488	4.289905
5229	483363.09	3865377.25	0.35639	0.11614	0.36279	0.23393	0.65422	0.15637	0.11663	0.11614	3.65688485	0.052268303	9.203E-06	0.012118	0.301694	0.021633	0.201363	0.1924369	4.053533
5230	483863.09	3865377.25	0.31329	0.11541	0.32303	0.24417	0.74702	0.16099	0.11587	0.11541	3.21463973	0.05193977	8.195E-06	0.012648	0.344489	0.022272	0.200051	0.19122734	3.65482
5231	484363.09	3865377.25	0.27891	0.11969	0.23103	0.2205	0.636	0.16615	0.12012	0.11969	2.86186973	0.053865965	5.861E-06	0.011422	0.293292	0.022986	0.207388	0.19831904	3.252511
5232	484863.09	3865377.25	0.2704	0.12547	0.2526	0.19765	0.68569	0.19312	0.12589	0.12547	2.77454941	0.056467229	6.408E-06	0.010239	0.316206	0.026717	0.21735	0.20789614	3.193639
5233	485363.09	3865377.25	0.29811	0.13157	0.15967	0.21674	0.73493	0.2992	0.13195	0.13157	3.05887916	0.059212508	4.05E-06	0.011227	0.338913	0.041393	0.227813	0.21800347	3.519439
5234	485863.09	3865377.25	0.35107	0.13587	0.30189	0.26529	0.55538	0.35956	0.13623	0.13587	3.60229682	0.061147704	7.658E-06	0.013742	0.256114	0.049743	0.235202	0.22512831	3.993126
5235	486363.09	3865377.25	0.36223	0.13578	0.4362	0.30961	1.63656	0.35339	0.1361	0.13578	3.71680855	0.0611072	1.107E-05	0.016038	0.7547	0.04889	0.234978	0.22497918	4.607554
5236	486863.09	3865377.25	0.38073	0.12898	0.29859	0.28225	2.31078	0.42748	0.12881	0.12898	3.90663534	0.058046889	7.575E-06	0.014621	1.065617	0.05914	0.222392	0.213712	5.112747
5237	487363.09	3865377.25	0.41475	0.11594	0.20421	0.32593	1.09126	0.36989	0.11528	0.11594	4.25571142	0.052178294	5.18E-06	0.016884	0.503235	0.051172	0.199032	0.19210551	4.886113
5238	487863.09	3865377.25	0.31658	0.11934	0.31652	0.39219	0.54393	0.29166	0.11977	0.11934	3.24839812	0.053708449	8.029E-06	0.020316	0.250834	0.04035	0.206784	0.19773911	3.622659
5239	488363.09	3865377.25	0.25224	0.12326	0.1737	0.67846	0.50275	0.24626	0.12372	0.12326	2.58821133	0.055472628	4.406E-06	0.035145	0.231843	0.034069	0.213604	0.20423431	2.954115
5240	488863.09	3865377.25	0.29882	0.12526	0.45451	1.35265	0.30869	0.29511	0.12576	0.12526	3.0661644	0.05637272	1.153E-05	0.070069	0.142353	0.040827	0.217126	0.20754819	3.385375

5241	489363.09	3865377.25	0.40676	0.12765	0.34854	0.50375	0.6777	0.30559	0.12806	0.12765	4.17372677	0.057448329	8.842E-06	0.026095	0.312522	0.042277	0.221097	0.21150827	4.621666
5242	489863.09	3865377.25	0.55908	0.13358	0.27059	0.53361	1.11664	0.26642	0.13272	0.13358	5.73666821	0.0601171	6.864E-06	0.027642	0.514939	0.036858	0.229142	0.22133392	6.384039
5243	490363.09	3865377.25	0.80538	0.14981	0.20714	0.43537	0.86563	0.35411	0.12325	0.14981	8.26392974	0.067421341	5.255E-06	0.022553	0.399186	0.048989	0.212792	0.24822604	8.76665
5244	490863.09	3865377.25	1.04541	0.22307	0.21737	0.32798	0.31422	0.58283	0.10921	0.22307	10.7268554	0.100391686	5.514E-06	0.01699	0.144903	0.080632	0.188552	0.36961339	10.88872
5245	491363.09	3865377.25	1.15301	0.18778	0.36962	0.21954	0.41345	0.47449	0.10689	0.18778	11.830929	0.084509574	9.376E-06	0.011372	0.190663	0.065643	0.184547	0.31114002	12.05653
5246	491863.09	3865377.25	1.02779	0.22855	0.22999	0.27681	0.87103	0.4847	0.11657	0.22855	10.5460582	0.102857936	5.834E-06	0.014339	0.401676	0.067056	0.201259	0.37869342	10.95456
5247	492363.09	3865377.25	0.76969	0.26828	0.15068	0.31381	1.75094	0.27878	0.21921	0.26828	7.89771795	0.12073825	3.822E-06	0.016256	0.807447	0.038568	0.378468	0.44452361	8.814675
5248	492863.09	3865377.25	0.7835	0.14262	0.16608	0.21433	2.14603	0.14322	0.17057	0.14262	8.03942109	0.064185512	4.213E-06	0.011103	0.989643	0.019814	0.294491	0.23631265	9.182348
5249	493363.09	3865377.25	0.46035	0.09677	0.14708	0.17831	0.69281	0.12731	0.12865	0.09677	4.7236088	0.043550919	3.731E-06	0.009237	0.31949	0.017613	0.222116	0.16034199	5.175276
5250	493863.09	3865377.25	0.34964	0.12299	0.17119	0.31964	1.03826	0.193	0.18244	0.12299	3.58762372	0.055351116	4.343E-06	0.016558	0.478794	0.026701	0.314985	0.20378693	4.276229
5251	494363.09	3865377.25	0.34333	0.1671	0.2959	0.42683	1.65583	0.25105	0.17163	0.1671	3.5228774	0.07520263	7.506E-06	0.02211	0.763587	0.034732	0.296321	0.27687452	4.437962
5252	494863.09	3865377.25	0.34315	0.19361	0.35962	0.34482	0.973	0.25513	0.1634	0.19361	3.52103043	0.087133341	9.123E-06	0.017862	0.448699	0.035296	0.282112	0.32079997	4.071342
5253	495363.09	3865377.25	0.34417	0.2062	0.39475	0.27351	0.50008	0.21941	0.17624	0.2062	3.53149656	0.092799416	1.001E-05	0.014168	0.230612	0.030354	0.30428	0.34166083	3.86206
5254	495863.09	3865377.25	0.30404	0.2182	0.41852	0.29197	0.39325	0.19421	0.21539	0.2182	3.11972634	0.098199963	1.062E-05	0.015124	0.181347	0.026868	0.371873	0.3615441	3.451606
5255	496363.09	3865377.25	0.26866	0.19698	0.3877	0.32241	0.52199	0.17716	0.25235	0.19698	2.75669543	0.088649995	9.835E-06	0.016701	0.240716	0.024509	0.435685	0.32638385	3.236583
5256	496863.09	3865377.25	0.32439	0.18891	0.37979	0.37656	0.52341	0.20706	0.24071	0.18891	3.32853581	0.085018126	9.634E-06	0.019506	0.241371	0.028646	0.415588	0.31301236	3.805662
5257	497363.09	3865377.25	0.35688	0.20421	0.31268	0.27859	0.50134	0.26119	0.24702	0.20421	3.6619127	0.091903825	7.932E-06	0.014431	0.231193	0.036134	0.426483	0.33836352	4.123702
5258	497863.09	3865377.25	0.37541	0.21142	0.33401	0.25337	0.35763	0.24719	0.24634	0.21142	3.85204731	0.095148654	8.473E-06	0.013125	0.164921	0.034198	0.425309	0.35031005	4.234447
5259	498363.09	3865377.25	0.39377	0.30207	0.49547	0.21226	0.35194	0.24447	0.24143	0.30207	4.04043758	0.135945293	1.257E-05	0.010995	0.162297	0.033821	0.416831	0.50051158	4.299829
5260	471363.09	3865877.25	0.14402	0.07836	0.16439	0.1375	0.43416	0.17334	0.07849	0.07836	1.47777591	0.035265578	4.17E-06	0.007123	0.200213	0.023981	0.135514	0.12983774	1.750038
5261	471863.09	3865877.25	0.15258	0.07712	0.19654	0.14174	0.54304	0.16757	0.07724	0.07712	1.56560928	0.034707521	4.986E-06	0.007342	0.250423	0.023182	0.133356	0.12778314	1.886842
5262	472363.09	3865877.25	0.16257	0.07557	0.21035	0.14978	0.62207	0.16027	0.07592	0.07557	1.66811574	0.034009951	5.336E-06	0.007759	0.286868	0.022173	0.131077	0.12521488	2.024792
5263	472863.09	3865877.25	0.16242	0.07954	0.20916	0.13486	0.61429	0.15347	0.07999	0.07954	1.66657661	0.035796632	5.306E-06	0.006986	0.28328	0.021232	0.138104	0.13179293	2.020187
5264	473363.09	3865877.25	0.16433	0.08127	0.20676	0.13397	0.54324	0.14625	0.08169	0.08127	1.68617494	0.036575211	5.245E-06	0.00694	0.250515	0.020233	0.141039	0.13465944	2.006823
5265	473863.09	3865877.25	0.17497	0.0826	0.21608	0.12601	0.43527	0.1397	0.08302	0.0826	1.795351	0.037173772	5.481E-06	0.006527	0.200725	0.019327	0.143335	0.13686317	2.065581
5266	474363.09	3865877.25	0.1796	0.08385	0.22054	0.1146	0.55332	0.13727	0.08425	0.08385	1.842859	0.037736329	5.595E-06	0.005936	0.255164	0.018991	0.145458	0.13893434	2.167216
5267	474863.09	3865877.25	0.17854	0.08492	0.20539	0.1144	0.69265	0.13331	0.08529	0.08492	1.83198244	0.038217878	5.21E-06	0.005926	0.319416	0.018443	0.147254	0.14070726	2.220537
5268	475363.09	3865877.25	0.17016	0.08571	0.1752	0.13833	0.79725	0.13181	0.08603	0.08571	1.74599603	0.038573414	4.444E-06	0.007166	0.367652	0.018235	0.148532	0.14201625	2.184142
5269	475863.09	3865877.25	0.17068	0.08612	0.19138	0.16136	0.72942	0.14154	0.08641	0.08612	1.7513317	0.038757932	4.855E-06	0.008359	0.336372	0.019581	0.149188	0.14269559	2.160899
5270	476363.09	3865877.25	0.18696	0.08281	0.18925	0.20911	0.57049	0.17334	0.08274	0.08281	1.91837928	0.037268281	4.801E-06	0.010832	0.263082	0.023981	0.142851	0.13721112	2.259187
5271	476863.09	3865877.25	0.20029	0.08868	0.15033	0.2351	0.81034	0.14954	0.08968	0.08868	2.05515718	0.039910049	3.814E-06	0.012179	0.373689	0.020688	0.154833	0.14693736	2.509522
5272	477363.09	3865877.25	0.19984	0.08983	0.18425	0.22048	0.95938	0.15727	0.08974	0.08983	2.05053977	0.040427602	4.674E-06	0.011421	0.442418	0.021758	0.154937	0.14884283	2.572663
5273	477863.09	3865877.25	0.20043	0.09371	0.21704	0.18738	0.80652	0.16486	0.09379	0.09371	2.05659371	0.042173779	5.506E-06	0.009707	0.371927	0.022808	0.161929	0.15527176	2.509872
5274	478363.09	3865877.25	0.20114	0.09643	0.19702	0.16091	0.78829	0.17385	0.09657	0.09643	2.06387895	0.043397903	4.998E-06	0.008335	0.36352	0.024051	0.166729	0.15977863	2.510139
5275	478863.09	3865877.25	0.19824	0.09849	0.25163	0.20706	0.86073	0.16227	0.0987	0.09849	2.03412232	0.044324997	6.383E-06	0.010726	0.396926	0.022449	0.170407	0.16319193	2.51577
5276	479363.09	3865877.25	0.19562	0.09975	0.27326	0.23855	0.77457	0.15492	0.10005	0.09975	2.00723874	0.044892055	6.932E-06	0.012357	0.357193	0.021432	0.172737	0.16527967	2.450578
5277	479863.09	3865877.25	0.19273	0.10066	0.22223	0.20578	0.58725	0.1607	0.10105	0.10066	1.97758472	0.045301596	5.637E-06	0.01066	0.270811	0.022232	0.174464	0.16678748	2.334271
5278	480363.09	3865877.25	0.19356	0.10123	0.22177	0.17685	0.39797	0.16705	0.10169	0.10123	1.98610127	0.045558122	5.626E-06	0.009161	0.183524	0.023111	0.175569	0.16773194	2.255298
5279	480863.09	3865877.25	0.19348	0.12056	0.18693	0.26332	0.46051	0.16971	0.10458	0.12056	1.9852804	0.054257505	4.742E-06	0.01364	0.212364	0.023479	0.180558	0.19976057	2.269824
5280	481363.09	3865877.25	0.1912	0.14084	0.19704	0.31307	0.64415	0.16154	0.10806	0.14084	1.96188553	0.063384431	4.998E-06	0.016217	0.29705	0.022348	0.186567	0.2333633	2.314094
5281	481863.09	3865877.25	0.2992	0.1239	0.30404	0.28054	0.63971	0.16306	0.10435	0.1239	3.07006355	0.055760658	7.713E-06	0.014532	0.295002	0.022559	0.180161	0.20529475	3.432792
5282	482363.09	3865877.25	0.35851	0.10616	0.28772	0.20043	0.68408	0.16212	0.10657	0.10616	3.67863797	0.047776847	7.299E-06	0.010383	0.315464	0.022429	0.183994	0.17590065	4.08279
5283	482863.09	3865877.25	0.37472	0.10886	0.2969	0.21422	0.60177	0.15376	0.10924	0.10886	3.84496729	0.048991971	7.532E-06	0.011097	0.277506	0.021272	0.188604	0.18037439	4.212072
5284	483363.09	3865877.25	0.34888	0.11184	0.34542	0.22598	0.5875	0.15345	0.11218	0.11184	3.57982543	0.050333107	8.763E-06	0.011706	0.270926	0.021229	0.19368	0.18531206	3.942396
5285	483863.09	3865877.25	0.30771	0.11434	0.23121	0.20676	0.70853	0.15899	0.11463	0.11434	3.15738387	0.051458221	5.865E-06	0.01071	0.326739	0.021995	0.19791	0.18945441	3.576748
5286	484363.09	3865877.25	0.27675	0.11447	0.16853	0.18021	0.4404	0.1657	0.11467	0.11447	2.83970617	0.051516727	4.275E-06	0.009335	0.203091	0.022924	0.197979	0.18966981	3.134886
5287	484863.09	3865877.25	0.27162	0.10991	0.22885	0.18674	0.71303	0.19998	0.11042	0.10991	2.78706772	0.049464519	5.805E-06	0.009673	0.328814	0.027666	0.190641	0.18211417	3.211219
5288	485363.09	3865877.25	0.30336	0.10286	0.24641	0.23135	0.69561	0.30474	0.10325	0.10286	3.11274892	0.046291697	6.251E-06	0.011984	0.320781	0.042159	0.178262	0.17043275	3.541801
5289	485863.09	3865877.25	0.35307	0.10824	0.25378	0.27942	0.57211	0.35063	0.09313	0.10824	3.62281864	0.048712942	6.438E-06	0.014474	0.263829	0.048508	0.16079	0.17934708	3.979792
5290	486363.09	3865877.25	0.36044	0.11051	0.41145	0.27041	1.76632	0.3544	0.09653	0.11051	3.69844153	0.049734546	1.044E-05	0.014008	0.814539	0.04903	0.16666	0.18310833	4.609314
5291	486863.09	3865877.25	0.38708	0.09888	0.2749	0.27691	2.18048	0.41712	0.10097	0.09888	3.9717921	0.044500515	6.974E-06	0.014344	1.005529	0.057707	0.174326	0.16383813	5.104367
5292	487363.09	3865877.25	0.40569	0.10191	0.21572	0.33391	0.93029	0.36302	0.10382	0.10191	4.16274759	0.045864153	5.472E-06	0.017297	0.429004	0.050222	0.179246	0.16885866	4.715527
5293	487863.09	3865877.25	0.29852	0.10968	0.25644	0.33961	0.50989	0.25905	0.11004	0.10968	3.06308613	0.049361008	6.505E-06	0.017592	0.235136	0.035838	0.189985	0.18173308	3.409272
5294	488363.09	3865877.25	0.22918	0.11783	0.1806	0.78374	0.46959	0.21816	0.11825	0.11783	2.3515948	0.05302888	4.581E-06	0.040599	0.216552	0.030181	0.20416	0.19523713	2.700883
5295	488863.09	3865877.25	0.27655	0.12738	0.45672	1.16744	0.31679	0.2674	0.12785	0.12738	2.83765399	0.057326816	1.159E-05	0.060475	0.146088	0.036993	0.220734	0.2110609	3.148222
5296	489363.09	3865877.25	0.31572	0.13671	0.30874	0.46122	0.53836	0.2985	0.13714	0.13671	3.23957374	0.061525742	7.832E-06	0.023892	0.248265	0.041296	0.236774	0.22652014	3.624814
5297	489863.09	3865877.25	0.45655	0.1311	0.3015	0.44716	0.98271	0.28949	0.13108	0.1311	4.68461735	0.059000986	7.648E-06	0.023164	0.453177	0.04005	0.226311	0.21722471	5.269102

5298	490363.09	3865877.25	0.63337	0.12003	0.22327	0.44435	0.95019	0.24544	0.11173	0.12003
5299	490863.09	3865877.25	0.86317	0.17742	0.13465	0.31609	0.38077	0.44358	0.10935	0.17742
5300	491363.09	3865877.25	1.06349	0.20664	0.36164	0.18969	0.34305	0.5006	0.10082	0.20664
5301	491863.09	3865877.25	1.0807	0.16862	0.22455	0.22173	0.61586	0.39766	0.10105	0.16862
5302	492363.09	3865877.25	0.90474	0.2559	0.20047	0.26631	1.19171	0.39868	0.19028	0.2559
5303	492863.09	3865877.25	0.80436	0.19814	0.12948	0.26739	1.91443	0.18089	0.17665	0.19814
5304	493363.09	3865877.25	0.73126	0.14371	0.16903	0.21939	1.98792	0.1626	0.17384	0.14371
5305	493863.09	3865877.25	0.53606	0.13813	0.20622	0.25354	0.87297	0.20582	0.20891	0.13813
5306	494363.09	3865877.25	0.33618	0.13416	0.22085	0.35386	1.20279	0.21393	0.2266	0.13416
5307	494863.09	3865877.25	0.31781	0.16262	0.27414	0.41607	1.07957	0.24556	0.1818	0.16262
5308	495363.09	3865877.25	0.31758	0.17976	0.33576	0.32329	0.77671	0.24065	0.16467	0.17976
5309	495863.09	3865877.25	0.32922	0.19135	0.36317	0.25357	0.4604	0.21985	0.16327	0.19135
5310	496363.09	3865877.25	0.30274	0.19945	0.39198	0.27466	0.36848	0.18282	0.22065	0.19945
5311	496863.09	3865877.25	0.25146	0.17909	0.35017	0.32499	0.58728	0.17893	0.24565	0.17909
5312	497363.09	3865877.25	0.28751	0.17895	0.35437	0.36661	0.47437	0.18312	0.23785	0.17895
5313	497863.09	3865877.25	0.32929	0.18331	0.33106	0.28077	0.48185	0.23465	0.22926	0.18331
5314	498363.09	3865877.25	0.36133	0.19327	0.21955	0.29742	0.41344	0.25613	0.24101	0.19327
5315	471363.09	3866377.25	0.15327	0.07388	0.18685	0.13107	0.57476	0.14623	0.07438	0.07388
5316	471863.09	3866377.25	0.16143	0.07372	0.20395	0.12514	0.6007	0.14015	0.07429	0.07372
5317	472363.09	3866377.25	0.16326	0.07469	0.20593	0.12277	0.55473	0.134	0.07518	0.07469
5318	472863.09	3866377.25	0.15904	0.07604	0.20011	0.11378	0.44583	0.12998	0.07654	0.07604
5319	473363.09	3866377.25	0.16891	0.07771	0.20681	0.10552	0.46924	0.13315	0.07827	0.07771
5320	473863.09	3866377.25	0.1728	0.0793	0.20673	0.10862	0.56112	0.13073	0.0799	0.0793
5321	474363.09	3866377.25	0.17077	0.08073	0.18805	0.13121	0.72903	0.12441	0.08136	0.08073
5322	474863.09	3866377.25	0.16389	0.08253	0.17071	0.14708	0.7655	0.13025	0.0826	0.08253
5323	475363.09	3866377.25	0.16695	0.08579	0.1706	0.18185	0.63017	0.14442	0.08588	0.08579
5324	475863.09	3866377.25	0.17636	0.08889	0.14384	0.20492	0.47418	0.15058	0.08901	0.08889
5325	476363.09	3866377.25	0.19028	0.09018	0.15456	0.21584	0.81124	0.14404	0.09023	0.09018
5326	476863.09	3866377.25	0.20478	0.0882	0.16279	0.1946	0.99133	0.15047	0.08914	0.0882
5327	477363.09	3866377.25	0.20371	0.09326	0.20589	0.16422	0.85116	0.16114	0.09345	0.09326
5328	477863.09	3866377.25	0.19805	0.09567	0.18352	0.17372	0.75043	0.17325	0.09596	0.09567
5329	478363.09	3866377.25	0.19383	0.0972	0.23633	0.22249	0.80555	0.15612	0.09759	0.0972
5330	478863.09	3866377.25	0.1908	0.09798	0.2529	0.22626	0.72448	0.14974	0.09841	0.09798
5331	479363.09	3866377.25	0.18839	0.09862	0.21124	0.17799	0.56063	0.15528	0.09909	0.09862
5332	479863.09	3866377.25	0.18807	0.09936	0.19844	0.19203	0.38523	0.16094	0.09985	0.09936
5333	480363.09	3866377.25	0.18782	0.10062	0.15149	0.27666	0.43788	0.16166	0.10114	0.10062
5334	480863.09	3866377.25	0.18306	0.12329	0.16813	0.30891	0.57985	0.15361	0.10493	0.12329
5335	481363.09	3866377.25	0.20622	0.1389	0.212	0.26353	0.59724	0.13913	0.1061	0.1389
5336	481863.09	3866377.25	0.30648	0.11868	0.2977	0.18796	0.66542	0.16082	0.107	0.11868
5337	482363.09	3866377.25	0.35993	0.10719	0.28014	0.19733	0.56759	0.15794	0.10776	0.10719
5338	482863.09	3866377.25	0.37128	0.1057	0.30163	0.2102	0.56577	0.15105	0.10622	0.1057
5339	483363.09	3866377.25	0.34265	0.10095	0.32804	0.1943	0.65126	0.15166	0.10139	0.10095
5340	483863.09	3866377.25	0.30239	0.0926	0.20708	0.16409	0.58625	0.15698	0.09215	0.0926
5341	484363.09	3866377.25	0.27353	0.0935	0.18628	0.1758	0.51111	0.16398	0.08837	0.0935
5342	484863.09	3866377.25	0.27429	0.09505	0.18719	0.20434	0.68501	0.2094	0.08958	0.09505
5343	485363.09	3866377.25	0.309	0.0931	0.2428	0.248	0.61808	0.30892	0.08993	0.0931
5344	485863.09	3866377.25	0.35317	0.09946	0.27474	0.26213	0.70628	0.34031	0.09185	0.09946
5345	486363.09	3866377.25	0.36004	0.10671	0.38343	0.24727	1.86526	0.35662	0.09549	0.10671
5346	486863.09	3866377.25	0.39312	0.09829	0.21374	0.27915	2.04033	0.40731	0.10041	0.09829
5347	487363.09	3866377.25	0.40748	0.10021	0.26186	0.33997	0.8334	0.38599	0.11004	0.10021
5348	487863.09	3866377.25	0.29507	0.10583	0.20138	0.36126	0.49422	0.24991	0.11456	0.10583
5349	488363.09	3866377.25	0.22204	0.11109	0.24383	0.94604	0.45278	0.19591	0.11138	0.11109
5350	488863.09	3866377.25	0.2756	0.10345	0.50206	0.9747	0.33288	0.27522	0.1045	0.10345
5351	489363.09	3866377.25	0.32426	0.09978	0.30637	0.50719	0.43409	0.35245	0.10064	0.09978
5352	489863.09	3866377.25	0.38911	0.14457	0.33803	0.36029	0.86055	0.32396	0.09786	0.14457
5353	490363.09	3866377.25	0.5165	0.10928	0.27054	0.44236	0.98596	0.28	0.10776	0.10928
5354	490863.09	3866377.25	0.67919	0.11557	0.18325	0.27933	0.50848	0.28545	0.11233	0.11557

6.49895103	0.054018981	5.664E-06	0.023018	0.43818	0.033955	0.192903	0.19888239	7.04215
8.85690759	0.079847101	3.416E-06	0.016374	0.175592	0.061367	0.188794	0.29397413	9.084911
10.9123726	0.092997436	9.174E-06	0.009826	0.158198	0.069256	0.174067	0.34238989	11.07434
11.0889628	0.0758867	5.696E-06	0.011486	0.284004	0.055014	0.174464	0.27939306	11.41043
9.28345352	0.115166685	5.085E-06	0.013795	0.549557	0.055155	0.32852	0.4240107	9.921643
8.25346362	0.089172047	3.285E-06	0.013851	0.88284	0.025025	0.304988	0.3283059	9.241038
7.50339127	0.064676062	4.288E-06	0.011365	0.91673	0.022495	0.300137	0.23811871	8.580679
5.50046211	0.062164807	5.231E-06	0.013134	0.40257	0.028474	0.360685	0.22887299	6.138623
3.44951191	0.060378126	5.602E-06	0.01833	0.554667	0.029596	0.391227	0.22229494	4.281422
3.26101904	0.073186426	6.954E-06	0.021553	0.497844	0.033972	0.31388	0.26945143	3.93201
3.25865903	0.080900208	8.518E-06	0.016747	0.35818	0.033293	0.284304	0.29785136	3.734241
3.37809599	0.086116237	9.213E-06	0.013135	0.212314	0.030415	0.281887	0.31705529	3.684918
3.10638716	0.089761607	9.944E-06	0.014228	0.169925	0.025292	0.380954	0.33047649	3.456081
2.58020782	0.080598678	8.883E-06	0.016835	0.270824	0.024754	0.424117	0.29674121	3.100605
2.95011354	0.080535671	8.99E-06	0.018991	0.218756	0.025334	0.41065	0.29650924	3.40788
3.37881426	0.08249787	8.398E-06	0.014544	0.222205	0.032463	0.39582	0.3037335	3.822619
3.70757373	0.086980325	5.57E-06	0.015407	0.190658	0.035434	0.416106	0.32023661	4.131928
1.5726893	0.033249374	4.74E-06	0.00679	0.265051	0.02023	0.128418	0.12241466	1.904017
1.65641831	0.033177366	5.174E-06	0.006482	0.277013	0.019389	0.128262	0.12214955	1.998598
1.67519577	0.033613911	5.224E-06	0.00636	0.255814	0.018538	0.129799	0.12375678	1.995569
1.63189474	0.034221472	5.076E-06	0.005894	0.205595	0.017982	0.132147	0.12599365	1.901745
1.7331699	0.034973048	5.246E-06	0.005466	0.21639	0.018421	0.135134	0.12876073	2.014798
1.77308483	0.035688621	5.244E-06	0.005627	0.258761	0.018086	0.137948	0.13139527	2.097805
1.75225519	0.036332186	4.77E-06	0.006797	0.336192	0.017212	0.140469	0.13376469	2.155497
1.68166014	0.037142268	4.331E-06	0.007619	0.353011	0.018019	0.14261	0.13674718	2.103318
1.71305852	0.038609417	4.328E-06	0.00942	0.290603	0.01998	0.148273	0.1421488	2.077799
1.80961366	0.040004559	3.649E-06	0.010615	0.218668	0.020832	0.153677	0.14728531	2.106129
1.95244549	0.040585118	3.921E-06	0.011181	0.374104	0.019927	0.155783	0.14942276	2.404606
2.10122865	0.039694027	4.13E-06	0.010081	0.457152	0.020817	0.153901	0.14614202	2.636735
2.09024948	0.041971258	5.223E-06	0.008507	0.392513	0.022293	0.161342	0.15452614	2.562355
2.03217275	0.043055868	4.656E-06	0.008999	0.346061	0.023968	0.165676	0.15851936	2.461418
1.98887172	0.043744438	5.995E-06	0.011525	0.37148	0.021598	0.16849	0.16105448	2.444661
1.95778117	0.044095474	6.416E-06	0.011721	0.334094	0.020716	0.169906	0.16234689	2.375973
1.93305238	0.044383503	5.359E-06	0.00922	0.258535	0.021482	0.17108	0.16340733	2.274351
1.92976889	0.044716537	5.034E-06	0.009947	0.177649	0.022265	0.172392	0.16463346	2.192111
1.92720366	0.045283595	3.843E-06	0.014331	0.201929	0.022365	0.174619	0.16672121	2.219014
1.87836174	0.05548613	4.265E-06	0.016002	0.267398	0.021251	0.181163	0.20428402	2.215382
2.11600436	0.062511342	5.378E-06	0.013651	0.275417	0.019248	0.183183	0.23014883	2.439872
3.14476295	0.053411419	7.552E-06	0.009737	0.306859	0.022249	0.184737	0.19664553	3.525117
3.69320846	0.048240395	7.107E-06	0.010222	0.261744	0.02185	0.186049	0.1776073	4.043714
3.80966976	0.047569826	7.652E-06	0.010889	0.260905	0.020897	0.18339	0.17513846	4.158189
3.51589998	0.04543211	8.322E-06	0.010065	0.300329	0.020981	0.175051	0.167268	3.900498
3.10279584	0.041674228	5.253E-06	0.0085	0.270349	0.021717	0.159098	0.15343256	3.450708
2.80666605	0.042079269	4.726E-06	0.009107	0.235699	0.022686	0.152572	0.1549238	3.113889
2.81446434	0.04277684	4.749E-06	0.010585	0.315893	0.028969	0.154661	0.15749206	3.209862
3.17062044	0.041899251	6.159E-06	0.012847	0.285028	0.042738	0.155265	0.15426103	3.554142
3.62384473	0.044761542	6.97E-06	0.013579	0.325701	0.04708	0.15858	0.16479916	4.048754
3.69433716	0.048024373	9.727E-06	0.012809	0.860165	0.049337	0.164864	0.17681197	4.652735
4.03376799	0.044234988	5.422E-06	0.01446	0.940899	0.056349	0.173359	0.16286054	5.100215
4.18111462	0.045099076	6.643E-06	0.017611	0.384323	0.0534	0.189985	0.16604186	4.705497
3.027686	0.047628332	5.109E-06	0.018714	0.22791	0.034574	0.197789	0.17535386	3.378952
2.27833192	0.049995573	6.185E-06	0.049006	0.2088	0.027103	0.192299	0.18406936	2.621472
2.82790613	0.046557224	1.274E-05	0.050491	0.153508	0.038075	0.18042	0.17141034	3.12556
3.32720189	0.044905556	7.772E-06	0.026273	0.200181	0.04876	0.173756	0.16532938	3.655755
3.99262175	0.065063101	8.575E-06	0.018664	0.396843	0.044818	0.168956	0.23954368	4.447431
5.29975876	0.04918099	6.863E-06	0.022915	0.454676	0.038737	0.186049	0.1810703	5.870252
6.96910582	0.052011777	4.649E-06	0.01447	0.234486	0.039491	0.193939	0.19149245	7.312015

5355	491363.09	3866377.25	0.88015	0.11364	0.32109	0.26066	0.27911	0.46268	0.11013	0.11364	9.0311378	0.051143189	8.145E-06	0.013503	0.128712	0.06401	0.190141	0.18829455	9.290359
5356	491863.09	3866377.25	1.04843	0.16599	0.22182	0.1822	0.45128	0.41736	0.114	0.16599	10.7578433	0.074703079	5.627E-06	0.009438	0.208108	0.05774	0.196822	0.27503531	11.02962
5357	492363.09	3866377.25	0.98409	0.16774	0.22037	0.23597	0.75461	0.36445	0.14417	0.16774	10.0976565	0.075490659	5.59E-06	0.012224	0.347989	0.05042	0.248911	0.27793496	10.55476
5358	492863.09	3866377.25	0.76336	0.24437	0.15718	0.27721	1.26058	0.29531	0.19916	0.24437	7.83276641	0.109977658	3.987E-06	0.01436	0.581317	0.040855	0.343852	0.4049062	8.518225
5359	493363.09	3866377.25	0.69567	0.2313	0.20171	0.31649	2.48445	0.26197	0.18259	0.2313	7.13820557	0.104095562	5.117E-06	0.016395	1.145705	0.036242	0.315243	0.38325	8.372642
5360	493863.09	3866377.25	0.63109	0.15887	0.21002	0.34579	1.87559	0.25166	0.1767	0.15887	6.47555616	0.071498754	5.328E-06	0.017912	0.864929	0.034816	0.305074	0.26323791	7.506554
5361	494363.09	3866377.25	0.46578	0.13804	0.23656	0.34203	0.79194	0.20765	0.18844	0.13804	4.77932553	0.062124303	6.001E-06	0.017718	0.365203	0.028727	0.325344	0.22872387	5.349724
5362	494863.09	3866377.25	0.2915	0.13042	0.22939	0.34256	1.21033	0.20668	0.21969	0.13042	2.99105456	0.058694955	5.819E-06	0.017745	0.558144	0.028593	0.379297	0.21609799	3.817437
5363	495363.09	3866377.25	0.30038	0.13468	0.2566	0.36825	1.30209	0.23066	0.14108	0.13468	3.08217142	0.06061215	6.509E-06	0.019076	0.600459	0.031911	0.243576	0.22315655	3.814655
5364	495863.09	3866377.25	0.3014	0.17481	0.31754	0.25533	0.70205	0.20414	0.14467	0.17481	3.09263754	0.078672482	8.055E-06	0.013226	0.323751	0.028242	0.249774	0.28964952	3.496662
5365	496363.09	3866377.25	0.31768	0.16942	0.32446	0.22615	0.58521	0.19943	0.16122	0.16942	3.25968512	0.076246736	8.231E-06	0.011715	0.26987	0.02759	0.278348	0.28071861	3.642744
5366	496863.09	3866377.25	0.29747	0.1879	0.34365	0.26722	0.34519	0.1608	0.23169	0.1879	3.05231218	0.08456358	8.718E-06	0.013842	0.159184	0.022246	0.400015	0.31133885	3.420834
5367	497363.09	3866377.25	0.2492	0.17187	0.30684	0.32287	0.58511	0.18071	0.23752	0.17187	2.55701817	0.077349348	7.784E-06	0.016725	0.269824	0.025	0.410081	0.28477811	3.071227
5368	497863.09	3866377.25	0.2569	0.16641	0.31886	0.36972	0.56091	0.18754	0.24892	0.16641	2.63602716	0.074892099	8.089E-06	0.019152	0.258664	0.025945	0.429763	0.27573123	3.16872
5369	498363.09	3866377.25	0.30742	0.16911	0.29696	0.31212	0.67508	0.15266	0.20723	0.16911	3.15440821	0.076107222	7.533E-06	0.016168	0.311313	0.02112	0.357785	0.28020496	3.656704
5370	474494.92	3848334.16	0.41622	4.34284	0.08956	0.37813	0.76204	0.22828	4.37344	4.34284	4.27079495	1.954476303	2.272E-06	0.019588	0.351415	0.031581	7.550788	7.19582119	6.982825
5371	475167.27	3848920.79	0.52408	4.46868	0.09752	0.43795	0.9379	0.27789	4.49351	4.46868	5.37753644	2.011110049	2.474E-06	0.022686	0.432513	0.038445	7.758091	7.4043304	8.236053
5372	475297.89	3848997.96	0.50043	3.47076	0.09551	0.44117	0.94293	0.27991	3.49219	3.47076	5.13486598	1.562000482	2.423E-06	0.022853	0.434833	0.038724	6.029301	5.75083778	7.471742
5373	475439.05	3849062	0.50137	3.13538	0.10389	0.45494	0.93565	0.27979	3.1673	3.13538	5.14451123	1.411064168	2.635E-06	0.023567	0.431475	0.038708	5.468376	5.19513356	7.322569
5374	475486.86	3849061.09	0.48491	2.58845	0.11949	0.45301	0.90856	0.27385	2.61499	2.58845	4.97561669	1.164920694	3.031E-06	0.023467	0.418983	0.037886	4.514807	4.28890389	6.846778
5375	475538.46	3849075.56	0.48808	2.52632	0.13499	0.44905	0.89315	0.27048	2.55061	2.52632	5.00814377	1.136959357	3.424E-06	0.023261	0.411876	0.03742	4.403654	4.18595826	6.83536
5376	475751.79	3849137.15	0.50556	2.97447	0.2213	0.40919	0.82182	0.25061	3.03823	2.97447	5.18750443	1.338647321	5.614E-06	0.021197	0.378983	0.034671	5.245535	4.9285155	7.278027
5377	476303.62	3849223.38	0.4775	3.9673	0.50858	0.25092	0.49406	0.20134	3.99743	3.9673	4.89958337	1.785466155	1.29E-05	0.012998	0.227836	0.027854	6.901603	6.5735743	7.28178
5378	476304.51	3849238.92	0.50515	5.00782	0.50307	0.26058	0.51402	0.2031	5.03043	5.00782	5.18329746	2.253747668	1.276E-05	0.013498	0.237041	0.028098	8.685088	8.29765252	8.103131
5379	476365.04	3849247.98	0.49941	5.20382	0.52541	0.24268	0.47841	0.20202	5.23957	5.20382	5.12439985	2.341956617	1.333E-05	0.012571	0.220619	0.027948	9.046171	8.62241257	8.151267
5380	476444.86	3849267.13	0.50417	6.1768	0.54133	0.2231	0.43676	0.20285	6.25002	6.1768	5.17324177	2.779842046	1.373E-05	0.011557	0.201412	0.028063	10.79072	10.2345811	8.750272
5381	476550.75	3849300.66	0.49724	7.2015	0.56308	0.20555	0.40278	0.20373	7.38869	7.2015	5.10213368	3.241003836	1.428E-05	0.010648	0.185742	0.028185	12.75665	11.9324466	9.391928
5382	476656.71	3849346.88	0.49051	7.48816	0.57341	0.19522	0.38197	0.20444	7.61921	7.48816	5.03307777	3.370013925	1.455E-05	0.010113	0.176146	0.028283	13.15464	12.4074247	9.364866
5383	476873.55	3849454.53	0.48931	6.46891	0.5831	0.18355	0.35924	0.20564	6.5392	6.46891	5.02076469	2.911304884	1.479E-05	0.009508	0.165664	0.028449	11.29	10.7185896	8.707111
5384	477700	3849859.7	0.62528	5.52498	0.46549	0.20957	0.39141	0.20714	5.49015	5.52498	6.41594029	2.486493282	1.181E-05	0.010856	0.180499	0.028657	9.4788	9.15455512	9.446702
5385	477743.16	3849856.38	0.58565	4.44939	0.42743	0.21721	0.402	0.20661	4.4329	4.44939	6.00930052	2.002428668	1.084E-05	0.011252	0.185382	0.028583	7.653447	7.37236804	8.518036
5386	478477.35	3850216.33	0.67608	4.55221	0.33959	0.29936	0.47864	0.21494	4.46723	4.55221	6.93719439	2.048702363	8.615E-06	0.015507	0.220725	0.029736	7.712718	7.54273452	9.421857
5387	478485.8	3850201.6	0.62948	3.86053	0.32827	0.31828	0.48398	0.222	3.79876	3.86053	6.4590361	1.73741478	8.327E-06	0.016487	0.223188	0.030713	6.558598	6.39666292	8.628781
5388	479113.21	3850501.53	0.799	3.42071	0.22977	0.50876	0.55058	0.42127	3.34364	3.42071	8.19846515	1.539475697	5.829E-06	0.026354	0.2539	0.058281	5.772828	5.66790798	10.1814
5389	479108.11	3850382.28	0.87367	1.69483	0.19153	0.53892	0.5648	0.4695	1.69151	1.69483	8.96464712	0.762750889	4.859E-06	0.027917	0.260458	0.064953	2.920409	2.80823001	10.19291
5390	479689.85	3850674.28	1.09776	1.7651	0.14624	0.53363	0.74551	0.48574	1.74515	1.7651	11.2640139	0.794375598	3.71E-06	0.027643	0.343792	0.0672	3.013019	2.92466312	12.58538
5391	479952.42	3850774.28	0.97478	1.58102	0.14082	0.45722	0.81501	0.43909	1.56702	1.58102	10.0021275	0.711531193	3.572E-06	0.023685	0.375842	0.060746	2.705476	2.61965378	11.25976
5392	479911.32	3850884.85	0.97765	3.09744	0.15158	0.56598	0.66893	0.49864	3.02759	3.09744	10.0315763	1.393989436	3.845E-06	0.029319	0.308477	0.068984	5.227165	5.13226929	11.92725
5393	480500.92	3851178.12	1.12125	2.65084	0.16899	0.43241	0.78656	0.44692	2.68784	2.65084	11.5050426	1.192999043	4.287E-06	0.022399	0.362722	0.061829	4.640583	4.39228031	13.3933
5394	480738.01	3851289.27	1.18245	2.5759	0.26986	0.37835	0.80673	0.44277	2.60963	2.5759	12.1330102	1.159272621	6.846E-06	0.019599	0.372024	0.061255	4.505553	4.2681093	13.98261
5395	481055.42	3851443.58	1.30286	3.4734	0.7431	0.35455	0.80174	0.45268	3.57509	3.4734	13.368526	1.563188603	1.885E-05	0.018366	0.369723	0.062626	6.172429	5.7552121	15.79967
5396	481110.22	3851443.15	1.19719	2.88796	0.85543	0.33681	0.77828	0.46608	2.98661	2.88796	12.2842559	1.29971387	2.17E-05	0.017447	0.358904	0.06448	5.156412	4.7851737	14.39606
5397	481111.1	3851417.45	1.1043	2.44455	0.87877	0.33462	0.75836	0.46752	2.54097	2.44455	11.3311202	1.100159123	2.229E-05	0.017334	0.349718	0.064679	4.38701	4.05047036	13.19957
5398	482248.44	3852605.09	1.24184	3.13049	0.78331	0.49361	1.08449	0.53341	3.00946	3.13049	12.7424055	1.408863445	1.987E-05	0.02557	0.500113	0.073795	5.195863	5.18703113	14.7596
5399	482273.34	3852632.31	1.26201	3.18555	0.77105	0.49765	1.09199	0.53582	3.03174	3.18555	12.949368	1.433642959	1.956E-05	0.025779	0.503572	0.074128	5.23433	5.27826219	14.94258
5400	482665.46	3853038.72	1.83724	4.55516	1.47067	0.63144	1.1933	0.78467	3.12773	4.55516	18.8517498	2.050029998	3.731E-05	0.032709	0.550291	0.108555	5.400058	7.54762249	19.44581
5401	483077.95	3853844.31	1.87395	1.54465	3.41292	2.93936	1.52083	2.98579	1.85711	1.54465	19.2284278	0.695163032	8.658E-05	0.152263	0.701331	0.413069	3.206319	2.55939091	21.83727
5402	483121.38	3853909.38	1.88001	1.43889	3.30772	5.14886	1.67193	4.20306	1.97477	1.43889	19.2906089	0.647566203	8.391E-05	0.266718	0.771011	0.581473	3.40946	2.38415303	22.58277
5403	483492.64	3853911.49	1.56657	0.6814	1.47789	1.60944	1.30435	1.43536	0.79973	0.6814	16.07443	0.306661114	3.749E-05	0.083371	0.601501	0.198575	1.380742	1.12903827	17.51628
5404	483498.29	3854204.73	1.90158	1.03147	1.64306	9.69535	2.01499	3.75962	1.56795	1.03147	19.5119366	0.464208599	4.168E-05	0.502233	0.929213	0.520125	2.707082	1.70908292	22.92576
5405	484132.44	3854662.55	2.04018	0.29188	1.74428	10.79573	2.35863	2.68343	2.48763	0.29188	20.9340984	0.131359328	4.425E-05	0.559234	1.087683	0.371239	4.294918	0.48362737	26.89495
5406	484627.62	3854876.13	1.99069	0.37971	2.04677	10.55484	1.72443	2.53618	2.95146	0.37971	20.4262861	0.170886838	5.192E-05	0.546755	0.795222	0.350868	5.095726	0.62915633	26.75664
5407	484756.14	3854949.04	2.04563	0.40581	1.7717	10.2911	2.01894	2.89078	2.85056	0.40581	20.9900204	0.18263303	4.494E-05	0.533093	0.931035	0.399925	4.921521	0.67240244	27.28587
5408	486697.51	3856599.17	2.23719	0.35754	1.55513	9.69884	11.8715	2.46133	1.69128	0.35754	22.9555998	0.160909326	3.945E-05	0.502413	5.474551	0.340513	2.920012	0.59242199	31.76162
5409	487105.31	3856962.27	2.2586	0.39366	3.60865	8.77551	35.0722	2.42274	1.4532	0.39366	23.1752859	0.177164975	9.154E-05	0.454584	16.17354	0.335174	2.508965	0.65227063	42.17254
5410	487157.57	3856901.7	2.08103	0.38421	2.66715	4.01186	29.6357	1.85822	1.28088	0.38421	21.3532565	0.172912044	6.766E-05	0.20782	13.6665	0.257076	2.211452	0.63661255	37.23248
5411	487173.5	3856853.74	1.99298	0.38055	2.01961	3.26652	19.5053	1.66973	1.20858	0.38055	20.4497836	0.171264877	5.123E-05	0.16921	8.994895	0.230999	2.086626	0.63054816	31.47228

5412	487564.41	3856860.83	1.60983	0.38394	1.07385	1.49678	25.9056	1.14027	0.82147	0.38394
5413	487563.31	3856931.58	1.66328	0.38489	1.13428	1.73859	24.0555	1.21428	0.88067	0.38489
5414	487782.7	3856926.85	1.47229	0.3988	0.97246	1.22754	30.7934	1.36962	0.71973	0.3988
5415	487782.39	3856757.07	1.38042	0.40003	1.20705	1.02886	36.2021	1.19758	0.62466	0.40003
5416	487917.26	3856752.41	1.28007	0.41449	1.10756	0.95475	23.3759	1.03447	0.5809	0.41449
5417	487919.57	3856953.35	1.37947	0.41115	1.01497	1.11522	28.6963	1.27997	0.65894	0.41115
5418	487932.76	3857000.32	1.39733	0.4078	1.20232	1.15093	29.3712	1.29172	0.67874	0.4078
5419	487960.5	3857044.75	1.4003	0.40642	1.14997	1.17231	29.6772	1.26691	0.68953	0.40642
5420	488016.54	3857089.54	1.37868	0.4066	0.99073	1.22779	28.4142	1.13976	0.68514	0.4066
5421	488114.39	3857165.47	1.32958	0.40804	2.09105	1.37081	26.766	1.02619	0.67407	0.40804
5422	488171.49	3857234.24	1.30283	0.41047	2.03919	1.49787	25.7463	1.40941	0.67812	0.41047
5423	488193.16	3857297.8	1.3014	0.42434	1.94582	1.59772	25.6642	1.62555	0.70054	0.42434
5424	488189.27	3857649.94	1.44394	0.52085	2.52935	2.18545	29.5871	1.94074	0.91099	0.52085
5425	488127.43	3857732.32	1.60727	0.55487	3.73578	2.96574	32.7118	2.50394	1.02992	0.55487
5426	488149.93	3857752.94	1.60018	0.56378	3.87817	2.97649	32.1334	2.55312	1.02995	0.56378
5427	488144.76	3857758.71	1.61556	0.56719	3.89133	3.08221	32.3487	2.59339	1.04191	0.56719
5428	488335.58	3857932.55	1.59589	0.67181	4.73855	3.27198	21.4749	2.29799	1.02587	0.67181
5429	488372.29	3857943.79	1.55148	0.67473	4.503	3.18049	19.5066	2.22763	1.00343	0.67473
5430	488828.64	3857936.4	1.36863	0.5432	2.82347	3.16141	12.29	1.56911	0.74118	0.5432
5431	488829.08	3857959.58	1.39062	0.5604	2.99421	3.19392	11.9	1.56514	0.75347	0.5604
5432	488351.61	3857964.55	1.64364	0.69496	4.25138	3.46787	20.8808	2.30848	1.04425	0.69496
5433	488316.87	3857947.65	1.67467	0.68632	4.75246	3.53852	22.5334	2.37607	1.0611	0.68632
5434	488129.1	3857775.77	1.66354	0.57911	3.87921	3.45913	32.9596	2.72381	1.07908	0.57911
5435	488062.53	3857846.13	2.07429	0.63776	6.02315	9.61134	31.5715	3.96389	1.29467	0.63776
5436	488330.41	3858091.34	2.16138	0.76346	4.27382	9.51344	21.7866	4.25696	1.28729	0.76346
5437	488470.87	3858174.45	2.00914	0.81012	2.66449	5.49445	17.4701	3.35354	1.19621	0.81012
5438	488568.9	3858262.31	2.05737	0.89035	2.76037	5.57632	14.4475	3.36561	1.18435	0.89035
5439	488964.27	3858025.71	1.362	0.57568	3.54496	3.56497	10.6656	1.54626	0.73029	0.57568
5440	489147.25	3857956.64	1.19208	0.49785	2.74396	2.76287	10.2167	1.30968	0.62086	0.49785
5441	489343.52	3857932.45	1.24286	0.45925	2.28615	1.81308	8.47118	1.16714	0.53699	0.45925
5442	489866.19	3857923.19	1.08635	0.38834	1.91501	1.75551	6.24704	0.92349	0.4058	0.38834
5443	489955.65	3857902.27	1.00881	0.37282	1.69511	2.07417	6.49851	0.87884	0.38615	0.37282
5444	490079.44	3857847.9	0.93136	0.35068	1.49732	1.86851	6.46999	0.87554	0.35721	0.35068
5445	490108.49	3857934.13	1.02327	0.36489	1.85335	1.69214	6.20782	0.84689	0.36735	0.36489
5446	489884.48	3858014.17	1.05437	0.40841	2.1888	2.56337	5.57936	0.91701	0.42488	0.40841
5447	489326.56	3858025.86	1.15276	0.50109	2.89581	1.9884	8.9467	1.24992	0.57786	0.50109
5448	489130.38	3858056.71	1.23826	0.54728	3.04892	3.34574	10.062	1.46249	0.66718	0.54728
5449	488936.49	3858143.93	1.41645	0.65377	1.89022	3.72308	8.14935	1.79759	0.79944	0.65377
5450	488638.08	3858327.45	2.14944	0.90372	2.54583	5.81999	12.8043	3.45932	1.19545	0.90372
5451	488663.79	3858349.57	2.16216	0.90732	2.41333	5.84423	12.2259	3.46437	1.1964	0.90732
5452	488694.56	3858349.5	2.08528	0.8969	2.41192	5.32035	11.134	3.18349	1.14885	0.8969
5453	488694.35	3858336.75	2.05005	0.88804	2.47017	5.10618	10.9295	3.07054	1.12808	0.88804
5454	488712.81	3858336.38	2.00267	0.87704	2.45482	4.90031	10.2466	2.94378	1.10306	0.87704
5455	488713.23	3858367.46	2.08465	0.89942	2.28076	5.38675	10.7562	3.2035	1.15154	0.89942
5456	488704.63	3858384.05	2.16382	0.93811	2.11879	5.88538	11.3092	3.45599	1.19337	0.93811
5457	488604.15	3858488.29	2.25799	1.24745	2.05928	4.16142	14.5744	2.43528	1.80007	1.24745
5458	488605.66	3858550.47	2.23383	1.39139	2.16022	3.91839	14.2399	2.43378	2.20333	1.39139
5459	488692.68	3858548.71	2.15094	1.25929	2.10592	4.80228	13.1377	2.59999	1.69608	1.25929
5460	488759.93	3858461.81	2.15463	1.05445	1.93147	7.10677	10.6196	3.86154	1.24762	1.05445
5461	488816.57	3858541.79	2.10731	1.14976	1.86784	10.14752	9.97197	4.51387	1.30801	1.14976
5462	488944.63	3858656.77	2.10031	1.20775	1.87491	9.78984	7.94475	4.4467	1.30269	1.20775
5463	489134.91	3858830.7	1.88053	1.34754	2.37661	10.96406	6.73514	4.30189	1.35487	1.34754
5464	489193.99	3858886.05	1.82161	1.41265	2.62492	15.72485	6.43445	4.35304	1.41239	1.41265
5465	489295.2	3858954.34	1.73747	1.45663	2.51996	10.28163	5.81156	3.86542	1.3993	1.45663
5466	489295.64	3858992.74	1.74159	1.70442	3.35468	9.20077	5.97043	5.39464	1.6133	1.70442
5467	489183.74	3858911.72	1.8262	1.55517	3.13871	13.90762	6.58268	5.10042	1.52419	1.55517
5468	488873.37	3858625.59	2.15323	1.22691	2.09566	10.94023	9.45709	4.54942	1.38653	1.22691

16.5183168	0.172790532	2.724E-05	0.077535	11.94638	0.157751	1.418276	0.63616518	29.65491
17.0667624	0.173218075	2.877E-05	0.090061	11.09318	0.16799	1.520486	0.63773927	29.47399
15.1070316	0.17947821	2.467E-05	0.063588	14.20041	0.18948	1.242621	0.66078729	30.32184
14.164362	0.180031766	3.062E-05	0.053296	16.6946	0.165679	1.078482	0.66282533	31.67366
13.13468	0.186539426	2.81E-05	0.049457	10.77978	0.143114	1.00293	0.68678467	24.60975
14.1546142	0.185036274	2.575E-05	0.05777	13.23333	0.177078	1.137667	0.68125049	28.26427
14.337874	0.183528621	3.05E-05	0.05962	13.54455	0.178703	1.171851	0.67569975	28.80046
14.3683489	0.182907558	2.917E-05	0.060727	13.68567	0.175271	1.190481	0.67341317	28.99002
14.1465081	0.182988566	2.513E-05	0.063601	13.10321	0.15768	1.182901	0.67371142	28.16321
13.6426975	0.183636632	5.305E-05	0.07101	12.34314	0.141968	1.163789	0.67609741	26.8702
13.3682182	0.184730243	5.173E-05	0.077592	11.87292	0.194985	1.170781	0.68012377	26.18916
13.3535451	0.190972376	4.936E-05	0.082764	11.83507	0.224887	1.209489	0.70310552	26.19367
14.8161349	0.234406283	6.416E-05	0.113209	13.64412	0.268492	1.572833	0.8630167	29.78624
16.4920489	0.249716837	9.477E-05	0.153629	15.08507	0.346408	1.778167	0.91938577	33.18575
16.4192991	0.253726743	9.838E-05	0.154186	14.81832	0.353212	1.778219	0.9341491	32.84291
16.5771118	0.255261399	9.871E-05	0.159663	14.91761	0.358783	1.798868	0.93979926	33.1276
16.3752798	0.302345176	0.0001202	0.169493	9.903162	0.317916	1.771175	1.11314822	27.72634
15.9195929	0.30365931	0.0001142	0.164754	8.995453	0.308182	1.732432	1.11798649	26.3062
14.0433859	0.244464804	7.163E-05	0.163765	5.667533	0.217079	1.279655	0.90004929	20.71591
14.2690233	0.252205589	7.596E-05	0.16545	5.487685	0.216529	1.300874	0.92854864	20.76329
16.8652381	0.312763733	0.0001078	0.179641	9.629193	0.319367	1.802908	1.15150636	27.95771
17.1836341	0.308875339	0.0001206	0.1833	10.39128	0.328718	1.832	1.13719041	29.09074
17.0694302	0.260625943	9.841E-05	0.179188	15.19931	0.376826	1.863043	0.95954997	33.98897
21.284098	0.287021121	0.0001528	0.497881	14.5592	0.548385	2.235261	1.05672945	38.35527
22.1777204	0.343591861	0.0001084	0.492809	10.04689	0.58893	2.222519	1.26500669	34.60757
20.6155998	0.364590992	6.759E-05	0.28462	8.056329	0.463946	2.065269	1.34231946	30.5081
21.1104834	0.400698155	7.002E-05	0.288861	6.662488	0.465616	2.044792	1.47525568	29.49775
13.9753561	0.259082287	8.993E-05	0.18467	4.918431	0.213918	1.260853	0.95386667	19.85853
12.2318227	0.224055233	6.961E-05	0.143121	4.711412	0.181188	1.071921	0.82490711	17.73868
12.7528716	0.20668347	5.799E-05	0.09392	3.906488	0.161468	0.927119	0.76094926	17.28766
11.1469369	0.174770732	4.858E-05	0.090938	2.880825	0.12776	0.700618	0.64345571	14.47844
10.3513062	0.167786024	4.3E-05	0.107445	2.99679	0.121583	0.666692	0.61774002	13.79391
9.55659888	0.157822013	3.798E-05	0.096791	2.983638	0.121127	0.616727	0.58105539	12.95169
10.4996789	0.164217162	4.702E-05	0.087655	2.862738	0.117163	0.634233	0.60460049	13.76113
10.8187931	0.183803149	5.553E-05	0.132786	2.572924	0.126864	0.73356	0.67671048	13.89207
11.8283638	0.225513381	7.346E-05	0.103002	4.125774	0.17292	0.997681	0.83027559	16.62305
12.7056714	0.24630099	7.734E-05	0.173314	4.64009	0.202328	1.151893	0.9068096	18.21287
14.5340625	0.294226353	4.795E-05	0.192861	3.758076	0.248688	1.380241	1.08325704	19.32495
22.0552052	0.406715266	6.458E-05	0.301484	5.904689	0.47858	2.063957	1.49740896	29.71329
22.1857239	0.40833543	6.122E-05	0.302739	5.637987	0.479279	2.065597	1.50337394	29.57635
21.3968653	0.403645954	6.119E-05	0.275602	5.134448	0.44042	1.983501	1.48610863	28.14843
21.0353736	0.39965855	6.266E-05	0.264507	5.040157	0.424794	1.947642	1.47142815	27.64077
20.5492118	0.394708047	6.227E-05	0.253843	4.725223	0.407258	1.904444	1.45320183	26.78155
21.390401	0.404780069	5.786E-05	0.279041	4.960221	0.443189	1.988145	1.49028412	27.97555
22.202757	0.422192336	5.375E-05	0.304871	5.215251	0.478119	2.060365	1.55439109	29.12922
23.1690267	0.561409461	5.224E-05	0.215567	6.720971	0.336909	3.107839	2.06694862	32.04483
22.9211232	0.626189034	5.48E-05	0.202978	6.566717	0.336702	3.804072	2.30544843	32.15239
22.0705965	0.566738002	5.342E-05	0.248765	6.058464	0.359696	2.928299	2.08656678	30.14605
22.1084593	0.474550648	4.9E-05	0.368141	4.897214	0.534225	2.154029	1.74715938	28.78951
21.6229131	0.5174445	4.738E-05	0.525656	4.598578	0.624472	2.258293	1.90508224	28.24232
21.5510868	0.543542648	4.756E-05	0.507127	3.663724	0.615179	2.249107	2.00116814	27.12865
19.2959445	0.606454532	6.029E-05	0.567954	3.105912	0.595145	2.339197	2.23279165	24.27788
18.6913718	0.635757005	6.659E-05	0.814569	2.967249	0.602222	2.438506	2.34067495	23.80907
17.8280191	0.655550013	6.393E-05	0.532603	2.680003	0.534762	2.415906	2.41354713	22.23336
17.870294	0.767066827	8.51E-05	0.476613	2.753266	0.746322	2.785379	2.82412006	22.57491
18.7384694	0.699897512	7.962E-05	0.720434	3.035605	0.705618	2.631529	2.5768219	23.95481
22.094094	0.552165523	5.316E-05	0.566719	4.36114	0.62939	2.393858	2.03291509	28.56451

5469	488842.84	3858658.69	2.18784	1.32191	2.40054	6.75476	10.5741	2.96062	1.57889	1.32191	22.449224	0.594919861	6.09E-05	0.349906	4.876236	0.409587	2.72597	2.1903243	29.21558
5470	488856.39	3858670.93	2.19605	1.33408	2.45315	6.9808	10.3846	3.00453	1.57771	1.33408	22.5334661	0.600396917	6.223E-05	0.361615	4.788853	0.415662	2.723932	2.21048925	29.2135
5471	488805.7	3858724.5	2.22794	1.68286	1.85607	4.98743	11.75	2.70851	2.09996	1.68286	22.8606864	0.757363843	4.708E-05	0.258356	5.418503	0.374709	3.625602	2.78839645	30.50687
5472	488805.87	3858804.16	2.20169	2.42808	2.35933	4.08961	11.8064	2.15815	3.17879	2.42808	22.5913376	1.092746871	5.985E-05	0.211848	5.444539	0.298569	5.488213	4.02318057	31.10413
5473	488995.78	3858936.96	2.07868	2.88151	2.54902	4.47606	9.58664	1.78624	3.45082	2.88151	21.3291434	1.296811076	6.466E-05	0.231866	4.420882	0.247118	5.957876	4.77448645	28.70927
5474	489130.76	3859017.38	2.02961	3.00494	2.63768	5.41413	7.75433	1.78589	3.05296	3.00494	20.8256406	1.352360212	6.691E-05	0.280459	3.575912	0.247069	5.270966	4.97900243	26.57347
5475	489130.92	3859052.24	2.14122	4.01567	3.45946	5.39284	8.05867	1.64727	4.67719	4.01567	21.9708605	1.807234864	8.776E-05	0.279357	3.716259	0.227892	8.075216	6.65372044	29.42319
5476	489200.33	3859090.6	2.07285	4.01394	3.72887	13.02368	7.09825	1.75139	4.04492	4.01394	21.2693223	1.806456285	9.459E-05	0.674645	3.273361	0.242296	6.983595	6.65085393	27.59892
5477	489296.07	3859143.7	1.97325	3.97622	4.41259	3.97256	6.09723	1.92442	4.03427	3.97622	20.2473359	1.789480563	0.0001119	0.205784	2.81174	0.266234	6.965208	6.58835419	25.69754
5478	489296.43	3858954.74	1.73652	1.45566	2.50508	10.18625	5.8016	3.8491	1.39789	1.45566	17.8182712	0.655113468	6.355E-05	0.527662	2.67541	0.532504	2.413471	2.4119399	22.21056
5479	489410.33	3859033.19	1.72548	1.55713	2.16107	9.64154	5.10836	4.25484	1.44661	1.55713	17.7049908	0.700779602	5.482E-05	0.499445	2.355722	0.588636	2.497587	2.5800695	21.76715
5480	489371.37	3859089.8	1.79292	2.1947	4.22316	6.04906	5.71969	2.88447	2.03924	2.1947	18.3969864	0.987715215	0.0001071	0.31335	2.637637	0.399052	3.520769	3.63648414	22.61913
5481	489390.52	3859102.82	1.81062	2.22539	4.37122	5.91461	5.61902	2.86839	2.0662	2.22539	18.5786045	1.001527116	0.0001109	0.306385	2.591213	0.396828	3.567315	3.6873356	22.75465
5482	489382.3	3859114.53	1.82208	2.40231	4.32365	5.49166	5.71923	2.68576	2.2421	2.40231	18.6961945	1.081149195	0.0001097	0.284476	2.637425	0.371562	3.871008	3.98048125	22.96144
5483	489363.04	3859102.45	1.80686	2.37973	4.29871	5.55917	5.81799	2.6751	2.21647	2.37973	18.5400235	1.070987163	0.000109	0.287973	2.682968	0.370087	3.826758	3.94306757	22.83584
5484	489337.52	3859140.71	1.87764	3.20968	3.58827	4.25803	5.98971	2.17283	3.11878	3.20968	19.2662905	1.444502561	9.103E-05	0.220572	2.762157	0.3006	5.384605	5.31824413	24.06057
5485	489375.14	3859164.55	1.89173	3.28349	4.076	4.29629	5.84557	2.24694	3.2426	3.28349	19.4108667	1.477720431	0.0001034	0.222554	2.695687	0.310853	5.598382	5.44054281	24.27562
5486	489409.3	3859114.5	1.81586	2.24463	4.48746	5.82457	5.51611	2.86771	2.08672	2.24463	18.6323716	1.010185995	0.0001138	0.301721	2.543756	0.396734	3.602743	3.7192151	22.76841
5487	489434.87	3859131.81	1.80917	2.28548	4.59987	5.68898	5.38583	2.86471	2.13715	2.28548	18.5637262	1.02857036	0.0001167	0.294697	2.483677	0.396319	3.689811	3.78690106	22.67002
5488	489471.87	3859075.75	1.72664	1.62354	2.92761	10.22809	4.74547	4.45292	1.49437	1.62354	17.7168935	0.730667134	7.427E-05	0.529829	2.188375	0.61604	2.580045	2.69010683	21.67182
5489	489602.62	3859164.69	1.74348	1.77733	4.46898	10.69538	3.98965	4.71827	1.65114	1.77733	17.8896871	0.799879657	0.0001134	0.554036	1.839829	0.65275	2.85071	2.94492748	21.64208
5490	489558.29	3859232.45	1.92741	2.73087	4.53209	4.90599	4.81796	2.75176	2.67936	2.73087	19.7769759	1.229016197	0.000115	0.254137	2.221804	0.380693	4.625942	4.52488515	23.9638
5491	489620.11	3859273.56	1.94892	2.86429	7.74109	4.8894	4.48231	2.79545	2.81773	2.86429	19.997688	1.289061289	0.0001964	0.253278	2.067019	0.386737	4.864839	4.74595395	24.11286
5492	489666.06	3859206.42	1.74382	1.85276	6.87106	10.82198	3.6312	4.71544	1.75173	1.85276	17.8931758	0.833826601	0.0001743	0.560594	1.674529	0.652358	3.02438	3.0699104	21.56913
5493	489787.9	3859285.65	1.74824	2.00279	9.57691	10.77241	3.00134	4.67982	1.94299	2.00279	17.9385291	0.901346952	0.0002429	0.558026	1.384069	0.64743	3.354592	3.31850096	21.46574
5494	489752.17	3859343.13	1.95679	2.90312	22.48633	5.27192	3.69666	3.17388	2.88142	2.90312	20.0784413	1.306536563	0.0005704	0.273093	1.704716	0.439091	4.974801	4.8102929	23.96696
5495	489814.94	3859385.33	1.95073	3.07825	32.96354	4.98903	3.39314	3.02653	3.08376	3.07825	20.0162602	1.385353059	0.0008362	0.258439	1.564748	0.418706	5.324143	5.10047263	23.86801
5496	489853.42	3859330.74	1.7568	2.12094	15.28705	11.12553	2.70989	4.80688	2.08204	2.12094	18.0263624	0.954519847	0.0003878	0.576318	1.249667	0.665008	3.594663	3.51426831	21.55266
5497	489969.5	3859401.91	1.72263	2.2615	12.7683	10.75311	2.51375	4.66188	2.26046	2.2615	17.6757472	1.017778265	0.0003239	0.557026	1.159217	0.644948	3.902707	3.74716766	21.21058
5498	490166.91	3859486.96	1.59676	2.05391	8.27149	9.6538	2.39234	4.08462	2.0748	2.05391	16.3842068	0.924353286	0.0002098	0.50008	1.103228	0.565087	3.582163	3.40320369	19.65613
5499	490128.86	3859571.46	1.94066	3.83352	5.87455	4.48543	2.27047	2.61611	3.86526	3.83352	19.9129329	1.725259047	0.000149	0.232352	1.047028	0.361926	6.673411	6.35190899	23.60115
5500	490186.65	3859593.65	1.89609	3.85507	5.19022	4.59834	2.27651	2.82651	3.87609	3.85507	19.4556042	1.734957531	0.0001317	0.2382	1.049813	0.391034	6.692109	6.38761603	23.17423
5501	490223.74	3859517.48	1.59501	2.06988	6.40077	10.40968	2.33378	4.237	2.09839	2.06988	16.3662502	0.931540515	0.0001624	0.539236	1.076223	0.586168	3.622892	3.429665	19.69281
5502	490846.34	3859817.22	1.46173	2.01012	2.48438	8.59035	1.96442	3.3643	2.07821	2.01012	14.9986764	0.904645786	6.302E-05	0.444992	0.905893	0.465434	3.588051	3.33064633	17.97711
5503	490925.65	3859844.59	1.39183	1.93941	2.38562	8.16983	1.85905	3.21411	2.03145	1.93941	14.281439	0.872823058	6.052E-05	0.423209	0.857302	0.444656	3.507319	3.21348417	17.17332
5504	491159.29	3859896.28	1.15675	1.65043	2.22258	9.43807	1.64761	3.05848	1.65131	1.65043	11.8693048	0.742768862	5.638E-05	0.488905	0.759796	0.423126	2.851003	2.73466192	14.4003
5505	491370.69	3859960.89	1.07603	1.578	1.88155	10.63471	1.86774	3.63198	1.60679	1.578	11.0410444	0.710172055	4.773E-05	0.550893	0.861309	0.502467	2.774139	2.61464982	13.82542
5506	491330.28	3860063.17	1.58191	2.63102	1.88015	4.50173	1.32224	3.05986	2.58266	2.63102	16.2318323	1.184079138	4.77E-05	0.233196	0.609751	0.423317	4.458989	4.35943978	18.78177
5507	491636.45	3860180.75	1.26686	1.77202	1.75215	3.69634	1.57941	2.82137	1.77613	1.77202	12.9991334	0.797489914	4.445E-05	0.191476	0.728345	0.390323	3.066506	2.93612914	15.23719
5508	491617.94	3860203.93	1.43655	1.86996	1.7393	2.99647	1.45049	2.3859	1.84317	1.86996	14.7403068	0.841567386	4.412E-05	0.155221	0.668894	0.330078	3.182252	3.09840975	16.81995
5509	491805.68	3860271.59	1.23323	1.56245	1.64835	2.95913	1.59319	2.31349	1.53816	1.56245	12.654059	0.703173845	4.182E-05	0.153287	0.7347	0.32006	2.655649	2.58888442	14.63209
5510	491654.23	3860414.02	1.46698	4.27065	2.13488	1.68542	1.31933	1.4863	4.81653	4.27065	15.0525462	1.921987507	5.416E-05	0.087307	0.60841	0.205622	8.315788	7.07620676	19.11551
5511	491592.62	3860510.76	1.04035	1.64116	2.18972	1.21461	1.4571	1.1295	1.58242	1.64116	10.6749352	0.738596939	5.555E-05	0.062918	0.671942	0.156261	2.732064	2.71930209	12.31747
5512	491475.41	3860368.93	1.31316	2.23203	2.2224	1.57878	1.48054	1.38655	2.09238	2.23203	13.4742134	1.004515419	5.638E-05	0.081783	0.682752	0.191822	3.612515	3.69833767	15.34932
5513	491445.61	3860337.28	1.37576	2.46123	2.21221	1.66307	1.48941	1.44667	2.29325	2.46123	14.1165462	1.107665885	5.612E-05	0.086149	0.686842	0.20014	3.959319	4.0781081	16.07861
5514	491399.05	3860300.37	1.41928	2.52782	2.22245	1.75625	1.51894	1.51774	2.37222	2.52782	14.5631009	1.137634426	5.638E-05	0.090976	0.70046	0.209972	4.095662	4.18844367	16.60942
5515	491228.84	3860235.98	1.31484	1.92891	2.33193	1.67017	1.64561	1.51692	1.69556	1.92891	13.4914517	0.868097578	5.916E-05	0.086517	0.758874	0.209858	2.927402	3.19608631	15.14617
5516	491228.47	3860174.57	1.41495	2.45032	2.20642	2.48664	1.63159	1.86397	2.41017	2.45032	14.5186712	1.102755887	5.597E-05	0.128811	0.752408	0.257871	4.161183	4.0600309	16.86173
5517	491145.77	3860112.55	1.49208	2.61361	2.17826	2.94522	1.69978	2.07395	2.46907	2.61361	15.310095	1.176243843	5.526E-05	0.152567	0.783854	0.286921	4.262874	4.33059247	17.64202
5518	490844.41	3859966.22	1.55651	3.47741	2.47204	3.2637	1.95106	2.40726	3.12938	3.47741	15.9712053	1.564993286	6.271E-05	0.169064	0.899732	0.333033	5.402906	5.76185643	18.57914
5519	490845.55	3859928.15	1.63426	5.22677	2.27825	4.40566	1.97847	3.05938	4.92682	5.22677	16.7689908	2.352285165	5.779E-05	0.228219	0.912372	0.42325	8.506205	8.66043932	20.53094
5520	490046.91	3859625.6	1.69271	4.04426	4.84086	3.08611	2.83387	1.99278	3.50256	4.04426	17.3687409	1.820101669	0.0001228	0.159865	1.30684	0.275691	6.047205	6.70109233	20.27747
5521	489970.48	3859589.4	1.71058	3.81153	6.36295	3.10224	3.23293	1.94892	3.61541	3.81153	17.5521033	1.715362542	0.0001614	0.1607	1.490867	0.269624	6.242042	6.3154729	21.11539
5522	489865.89	3859529.06	1.80424	3.95219	10.79176	3.2539	3.75252	1.87148	3.26771	3.95219	18.5131399	1.778665965	0.0002738	0.168557	1.730476	0.25891	5.641734	6.54853795	21.54322
5523	489826.89	3859531.74	1.67116	3.09581	15.83314	3.12743	4.05771	1.80415	2.73373	3.09581	17.1476183	1.393255861	0.0004017	0.162005	1.871214	0.249595	4.719813	5.12956848	20.41433
5524	489410.47	3859303.06	1.75174	3.0766	5.89029	3.05591	5.63382	1.5249	2.66407	3.0766	17.9744422	1.384610484	0.0001494	0.1583	2.598038	0.210962	4.599544	5.09773868	21.82831
5525	489407.15	3859286.09	1.82271	3.55195	5.00627	3.078	5.67462	1.58069	2.90622	3.55195	18.7026588	1.598539689	0.000127	0.159445	2.616853	0.218681	5.017618	5.88536466	22.42856

5526	488806.07	3858963.62	2.12256	3.14866	2.45076	3.22077	10.9932	1.66061	2.39226	3.14866
5527	488817.64	3859546.3	1.86952	0.90923	2.40056	2.07396	4.626	2.29487	0.90998	0.90923
5528	489187.25	3859549.52	1.57784	1.1828	3.64879	10.66059	8.1984	1.85632	1.18656	1.1828
5529	489187.66	3859523.74	1.58632	1.20939	3.86758	10.72906	8.30229	1.79852	1.23703	1.20939
5530	489232.59	3859522.85	1.56248	1.2615	4.1084	4.84081	8.2383	1.69286	1.30275	1.2615
5531	489224.98	3859759.91	1.89788	0.8167	2.85918	5.29485	7.1692	1.71798	0.91196	0.8167
5532	488401.39	3859763.34	2.33408	0.60634	1.78393	1.17296	3.55788	2.7161	0.52993	0.60634
5533	488405.51	3859966.16	2.40424	0.5914	1.52402	1.22085	3.16543	2.71072	0.54793	0.5914
5534	489202.85	3859956.57	1.41915	0.62374	2.5038	12.35997	5.61055	1.21165	0.73121	0.62374
5535	489191.9	3860676.74	2.25901	0.60999	1.63146	12.93726	1.37282	1.09618	0.61362	0.60999
5536	488392.82	3860687.88	2.82605	0.52859	1.26194	0.91059	1.83595	4.13169	0.53441	0.52859
5537	488392.82	3860760.27	2.78125	0.55997	1.12666	0.87657	1.74423	2.10462	0.56648	0.55997
5538	487549.05	3860777.45	1.08784	0.53477	0.92155	0.82014	2.94684	1.764	0.51323	0.53477
5539	487554.62	3859571.83	2.63436	0.63987	1.14531	0.9868	3.52409	2.68029	0.48839	0.63987
5540	485949.46	3859558.54	0.93829	0.58658	1.27304	0.8174	2.29619	1.1078	0.58832	0.58658
5541	485947.55	3857943.61	2.06103	0.92073	1.35894	1.12514	5.69907	4.14974	0.40322	0.92073
5542	484738.38	3857940.21	1.2487	0.50449	1.24369	0.84878	4.43287	1.77589	0.29495	0.50449
5543	484737.06	3857535.68	1.64546	0.63014	1.32259	0.76788	4.45292	1.17469	0.32158	0.63014
5544	483730.2	3857530.13	0.97961	0.41608	1.58057	0.67214	2.6332	0.9775	0.28163	0.41608
5545	483727.27	3857130.01	1.58705	0.4665	1.68096	0.58827	4.3192	0.71653	0.27977	0.4665
5546	483124.42	3857123.45	1.19433	0.36003	1.68191	0.55819	3.64214	0.76521	0.28675	0.36003
5547	483111.13	3855921.03	1.94885	0.55321	1.68187	0.49777	2.85925	0.92559	0.28176	0.55321
5548	482701.73	3855918.24	1.59434	0.46554	2.15118	0.46444	3.06749	0.74197	0.25826	0.46554
5549	482668.02	3853521.78	1.51649	1.45728	0.87066	1.44568	1.22607	1.33576	1.40333	1.45728
5550	482579.91	3853219.19	1.38235	1.72998	0.89215	0.99834	0.92768	1.18413	1.78681	1.72998
5551	482434.06	3852961.94	1.29401	2.37162	0.71297	0.80095	1.0655	0.81975	2.40504	2.37162
5552	482332.11	3852832.85	1.22386	2.66209	0.78628	0.71439	1.07407	0.6342	2.70179	2.66209
5553	481334.99	3851818.96	1.01318	1.86603	0.94279	0.41077	0.90251	0.49557	1.88444	1.86603
5554	481127.62	3851646.36	0.94456	2.40321	0.67368	0.3995	0.86902	0.47797	2.41179	2.40321
5555	481025.04	3851591.73	0.90411	2.42517	0.50298	0.42573	0.85792	0.47206	2.43604	2.42517
5556	480513.6	3851335.76	0.79775	2.51227	0.17345	0.5645	0.75834	0.48124	2.57065	2.51227
5557	480523.56	3851317.66	0.82578	2.91664	0.17379	0.54257	0.76914	0.47361	2.98328	2.91664
5558	476921.56	3849569.11	0.5388	2.32478	0.61595	0.23451	0.4765	0.20635	2.33752	2.32478
5559	476521.19	3849373.96	0.54163	2.62959	0.55379	0.26166	0.52897	0.20397	2.64253	2.62959
5560	476391.45	3849333.38	0.53658	2.74644	0.51515	0.28432	0.57922	0.21865	2.76967	2.74644
5561	476219.41	3849304.29	0.53512	2.74055	0.43446	0.32589	0.67464	0.23525	2.76752	2.74055
5562	475679.11	3849218.47	0.54423	3.02621	0.15101	0.42488	0.92802	0.27357	3.04286	3.02621
5563	475677.71	3849233.88	0.4953	2.70713	0.14406	0.42487	0.93514	0.27575	2.72308	2.70713
5564	475492.74	3849204.66	0.54851	1.9201	0.11028	0.46395	1.00341	0.28937	1.93171	1.9201
5565	475497.64	3849158.75	0.90122	4.20516	0.10049	0.46355	0.98395	0.29018	4.2133	4.20516
5566	475391.35	3849141.94	0.74331	4.05401	0.11323	0.44151	0.98901	0.29006	4.07771	4.05401
5567	475277	3849095.47	0.68649	3.86176	0.11976	0.43291	0.97872	0.28622	3.88776	3.86176
5568	475183.93	3849025.66	0.52394	3.52334	0.11765	0.43191	0.97345	0.28496	3.55593	3.52334
5569	474453.23	3848378.77	0.51828	2.80727	0.08566	0.38806	0.82448	0.244	2.83523	2.80727
5570	474569.63	3848399.34	0.41727	4.35526	0.08916	0.38585	0.78346	0.23442	4.38554	4.35526
5571	474644.33	3848464.52	0.42222	4.33619	0.08935	0.39211	0.80434	0.24026	4.36595	4.33619
5572	474719.04	3848529.7	0.42455	4.34538	0.08851	0.39928	0.82461	0.24605	4.37443	4.34538
5573	474793.74	3848594.88	0.42427	4.43972	0.08498	0.41015	0.84529	0.25227	4.4689	4.43972
5574	474868.45	3848660.07	0.4217	4.44217	0.08533	0.42266	0.8655	0.25826	4.47089	4.44217
5575	474943.15	3848725.25	0.42265	4.48938	0.08796	0.43115	0.88512	0.26371	4.51768	4.48938
5576	475017.86	3848790.43	0.43112	4.56541	0.09099	0.43542	0.90466	0.269	4.59353	4.56541
5577	475092.56	3848855.61	0.47071	4.47008	0.09424	0.43689	0.92216	0.27373	4.497	4.47008
5578	475232.58	3848959.38	0.51111	3.85458	0.09657	0.43811	0.93997	0.27873	3.87716	3.85458
5579	475368.47	3849029.98	0.49034	3.02657	0.09934	0.44605	0.93974	0.27988	3.04931	3.02657
5580	475609.57	3849096.09	0.49258	2.55115	0.15952	0.44081	0.87105	0.26513	2.57408	2.55115
5581	475680.68	3849116.62	0.49524	2.72082	0.1934	0.42084	0.84779	0.25784	2.75789	2.72082
5582	475843.76	3849151.52	0.50348	3.06984	0.27495	0.38287	0.77111	0.23146	3.12276	3.06984

21.779392	1.417040774	6.217E-05	0.16684	5.069495	0.229737	4.130261	5.21713771	27.57569
19.1829719	0.409195017	6.09E-05	0.107434	2.133282	0.317484	1.57109	1.50653869	22.21498
16.1900704	0.532314009	9.256E-05	0.552233	3.780695	0.256813	2.048608	1.95982751	21.401
16.2770829	0.544280723	9.811E-05	0.55578	3.828604	0.248816	2.135745	2.00388552	21.58652
16.0324629	0.567732603	0.0001042	0.250761	3.799095	0.234199	2.249211	2.09022861	21.04334
19.4739713	0.367552292	7.253E-05	0.274281	3.306079	0.237674	1.574508	1.35322212	23.88092
23.9497792	0.272880687	4.525E-05	0.060761	1.640718	0.375759	0.91493	1.00466842	26.2102
24.6696844	0.266157005	3.866E-05	0.063242	1.459739	0.375015	0.946007	0.97991375	26.79997
14.561767	0.280711481	6.352E-05	0.640264	2.587307	0.167626	1.262441	1.03349916	18.46668
23.1794928	0.274523353	4.139E-05	0.670168	0.633076	0.151651	1.059421	1.01071625	24.95766
28.9978379	0.237889637	3.201E-05	0.04717	0.846649	0.571599	0.922664	0.87584141	30.748
28.5381492	0.252012069	2.858E-05	0.045408	0.804352	0.291164	0.978033	0.92783616	29.98131
11.1622257	0.240670919	2.338E-05	0.042484	1.358936	0.244041	0.886097	0.8860813	13.0484
27.0309245	0.287970718	2.905E-05	0.051118	1.625135	0.370805	0.84321	1.06022559	29.14897
9.62770697	0.263987784	3.229E-05	0.042342	1.058889	0.153259	1.01574	0.97192731	11.19003
21.1480383	0.414370542	3.447E-05	0.058284	2.628128	0.574096	0.696163	1.52559349	23.99352
12.8127953	0.227043536	3.155E-05	0.043968	2.04422	0.245686	0.509234	0.83590918	15.04707
16.883913	0.283591774	3.355E-05	0.039777	2.053466	0.162513	0.555211	1.04410357	18.9344
10.0516877	0.187254999	4.01E-05	0.034818	1.214301	0.135232	0.486237	0.6894192	11.42015
16.2845734	0.209946301	4.264E-05	0.030473	1.991801	0.099128	0.483026	0.77296207	18.32603
12.2549097	0.16202994	4.267E-05	0.028915	1.679574	0.105863	0.495077	0.59654777	14.12986
19.9969697	0.248969761	4.267E-05	0.025785	1.318544	0.128051	0.486461	0.91663525	21.28819
16.3593754	0.209514258	5.457E-05	0.024059	1.414574	0.102648	0.445889	0.77137141	17.78474
15.5605637	0.655842542	2.209E-05	0.074888	0.565403	0.184796	2.422863	2.41462414	17.04975
14.1841656	0.778569995	2.263E-05	0.051715	0.4278	0.163819	3.084946	2.86647142	15.82457
13.277717	1.067337293	1.809E-05	0.04149	0.491356	0.113408	4.152326	3.92962979	15.21402
12.5579143	1.198062057	1.995E-05	0.037006	0.495308	0.087738	4.664668	4.41092088	14.6298
10.3961463	0.839798707	2.392E-05	0.021278	0.416193	0.06856	3.253505	3.09189798	11.90361
9.69204286	1.081554236	1.709E-05	0.020695	0.400749	0.066125	4.16398	3.9819725	11.44319
9.27698915	1.091437238	1.276E-05	0.022053	0.39563	0.065307	4.205848	4.01835888	11.03892
8.18563902	1.130636216	4.4E-06	0.029242	0.349709	0.066577	4.438253	4.16267827	10.03738
8.47325226	1.31262118	4.409E-06	0.028106	0.354689	0.065522	5.150663	4.83269471	10.55216
5.528577	1.046257154	1.563E-05	0.012148	0.219738	0.028548	4.035752	3.85201877	7.019017
5.55761537	1.183435573	1.405E-05	0.013554	0.243935	0.028218	4.562355	4.35707036	7.232057
5.50579779	1.236023408	1.307E-05	0.014728	0.267108	0.030249	4.781863	4.55068369	7.285099
5.49081686	1.233372639	1.102E-05	0.016882	0.31111	0.032546	4.778151	4.54092432	7.321965
5.58429373	1.361932683	3.831E-06	0.022009	0.427957	0.037847	5.253529	5.01424553	7.673327
5.08222752	1.218332113	3.654E-06	0.022009	0.43124	0.038149	4.701425	4.48554941	7.007837
5.62821041	0.864132676	2.798E-06	0.024033	0.462723	0.040033	3.335117	3.18148867	7.172763
9.24733513	1.892514016	2.549E-06	0.024013	0.453749	0.040145	7.274305	6.96769382	11.96437
7.62703521	1.824489615	2.872E-06	0.022871	0.456082	0.040128	7.040208	6.71724748	10.29357
7.04401044	1.737968336	3.038E-06	0.022425	0.451337	0.039597	6.712257	6.39870095	9.608897
5.37609992	1.585663883	2.985E-06	0.022374	0.448907	0.039423	6.139349	5.83795964	7.77386
5.31802318	1.263399686	2.173E-06	0.020102	0.380209	0.033756	4.895053	4.65147529	7.259071
4.2815689	1.96006587	2.262E-06	0.019988	0.361293	0.032431	7.571679	7.21640037	7.010627
4.3323604	1.9514835	2.267E-06	0.020312	0.370922	0.033239	7.537857	7.18480254	7.061373
4.35626831	1.955619419	2.245E-06	0.020683	0.380269	0.03404	7.552498	7.20002981	7.09935
4.35339526	1.998076727	2.156E-06	0.021246	0.389806	0.0349	7.715601	7.35634544	7.156682
4.32702472	1.999179339	2.165E-06	0.021894	0.399126	0.035729	7.719037	7.36040494	7.141587
4.33677259	2.020425995	2.231E-06	0.022334	0.408173	0.036483	7.79982	7.43862904	7.185383
4.42368247	2.054642966	2.308E-06	0.022555	0.417184	0.037215	7.930776	7.56460611	7.321452
4.8299118	2.011740113	2.391E-06	0.022632	0.425254	0.037869	7.764116	7.40665011	7.684875
5.24445247	1.734737008	2.45E-06	0.022695	0.433468	0.038561	6.693956	6.38680413	7.781067
5.03133342	1.3620947	2.52E-06	0.023106	0.433361	0.03872	5.264665	5.01484202	7.138441
5.05431785	1.148133991	4.047E-06	0.022835	0.401685	0.036679	4.444175	4.22710006	6.88073
5.08161187	1.224493238	4.906E-06	0.0218	0.390959	0.035671	4.761525	4.50823291	7.007832
5.16616175	1.381568175	6.975E-06	0.019833	0.355598	0.032021	5.391477	5.08653778	7.260128

5583	475935.73	3849165.89	0.50011	3.08552	0.33692	0.35217	0.71867	0.22662	3.11636	3.08552
5584	476027.7	3849180.26	0.49966	3.09277	0.39454	0.32422	0.66684	0.23115	3.11432	3.09277
5585	476119.68	3849194.64	0.51063	3.50133	0.43081	0.30523	0.60858	0.22147	3.50906	3.50133
5586	476211.65	3849209.01	0.5122	3.56494	0.47172	0.27841	0.55013	0.21139	3.58861	3.56494
5587	476497.8	3849283.9	0.5039	7.10258	0.55409	0.21423	0.41967	0.20332	7.24514	7.10258
5588	476603.73	3849323.77	0.49317	7.81844	0.57006	0.20079	0.39383	0.2041	7.99338	7.81844
5589	476728.99	3849382.76	0.48961	7.05183	0.57938	0.1915	0.37522	0.20488	7.15362	7.05183
5590	476801.27	3849418.65	0.48964	6.69383	0.58293	0.18786	0.36824	0.20527	6.78009	6.69383
5591	476956.2	3849495.05	0.48807	6.17498	0.58319	0.17977	0.35313	0.20598	6.23004	6.17498
5592	477038.84	3849535.56	0.48821	6.13994	0.57523	0.17332	0.33757	0.20633	6.18368	6.13994
5593	477121.48	3849576.08	0.63677	6.0529	0.56829	0.17131	0.33261	0.20659	6.08423	6.0529
5594	477204.13	3849616.6	0.62337	6.01908	0.55315	0.17665	0.34036	0.20684	6.03763	6.01908
5595	477286.78	3849657.12	0.62265	5.79099	0.52685	0.1822	0.34746	0.20715	5.79736	5.79099
5596	477369.42	3849697.63	0.60536	5.88484	0.52657	0.18753	0.35669	0.20717	5.88622	5.88484
5597	477452.07	3849738.15	0.60462	5.92887	0.50909	0.19312	0.36467	0.20731	5.90965	5.92887
5598	477534.71	3849778.67	0.6017	5.85487	0.50036	0.19851	0.3738	0.20725	5.82991	5.85487
5599	477617.35	3849819.18	0.61191	5.90783	0.47942	0.2042	0.38214	0.2073	5.86958	5.90783
5600	477824.74	3849896.37	0.60701	4.28222	0.41248	0.22252	0.411	0.20639	4.26238	4.28222
5601	477906.31	3849936.37	0.63034	4.5041	0.40839	0.2287	0.41821	0.20658	4.47124	4.5041
5602	477987.89	3849976.36	0.6311	4.43173	0.40595	0.23405	0.42715	0.20632	4.40712	4.43173
5603	478069.47	3850016.36	0.63792	4.54898	0.39698	0.23991	0.43501	0.20631	4.50435	4.54898
5604	478151.04	3850056.35	0.64533	4.51636	0.38503	0.24565	0.44319	0.20624	4.45867	4.51636
5605	478232.62	3850096.35	0.64632	4.57165	0.37519	0.25099	0.45203	0.20597	4.50777	4.57165
5606	478314.2	3850136.34	0.65054	4.57669	0.36445	0.25616	0.46094	0.20562	4.50913	4.57669
5607	478395.77	3850176.34	0.66191	4.56194	0.35262	0.27268	0.4698	0.20522	4.48829	4.56194
5608	478575.43	3850244.45	0.64366	3.77978	0.31327	0.34953	0.49365	0.2342	3.72176	3.77978
5609	478665.06	3850287.29	0.66448	3.68359	0.2978	0.38042	0.50341	0.2457	3.61471	3.68359
5610	478754.69	3850330.14	0.68313	3.61465	0.28294	0.4101	0.51329	0.256	3.54056	3.61465
5611	478844.32	3850372.99	0.70415	3.5337	0.26943	0.43777	0.52309	0.28147	3.46058	3.5337
5612	478933.95	3850415.84	0.72547	3.43107	0.25737	0.46187	0.53286	0.3313	3.35784	3.43107
5613	479023.58	3850458.68	0.7559	3.50056	0.2412	0.48865	0.54149	0.37556	3.42047	3.50056
5614	479110.66	3850441.9	0.85337	2.24494	0.20988	0.52849	0.55879	0.44936	2.21413	2.24494
5615	479191.22	3850423.99	0.96023	1.67816	0.18484	0.54324	0.57123	0.49392	1.67589	1.67816
5616	479274.32	3850465.71	1.00783	1.68036	0.17724	0.5479	0.57689	0.51031	1.67691	1.68036
5617	479357.43	3850507.42	1.03485	1.73015	0.16885	0.55286	0.58161	0.51719	1.72457	1.73015
5618	479440.53	3850549.14	1.05849	1.76334	0.16109	0.55477	0.65817	0.5148	1.75466	1.76334
5619	479523.64	3850590.85	1.07864	1.7664	0.15508	0.55146	0.69084	0.50768	1.75652	1.7664
5620	479606.74	3850632.57	1.09287	1.76916	0.15048	0.54387	0.71805	0.49871	1.756	1.76916
5621	479777.37	3850707.61	1.06441	1.68322	0.14096	0.51201	0.77895	0.46634	1.66843	1.68322
5622	479864.9	3850740.95	0.99628	1.64062	0.1368	0.48595	0.79949	0.45192	1.62964	1.64062
5623	479931.87	3850829.56	0.97664	1.9688	0.1414	0.51657	0.7799	0.46575	1.94181	1.9688
5624	479995.55	3850926.75	0.9929	3.00885	0.14885	0.55117	0.68981	0.49154	2.96467	3.00885
5625	480079.78	3850968.64	1.00901	2.89662	0.1461	0.53614	0.70966	0.48465	2.87458	2.89662
5626	480164.01	3851010.54	1.02597	2.78201	0.15132	0.51777	0.72802	0.47708	2.77281	2.78201
5627	480248.23	3851052.43	1.04494	2.69503	0.15804	0.49728	0.7448	0.46955	2.70228	2.69503
5628	480332.46	3851094.33	1.07115	2.66916	0.16341	0.47637	0.76019	0.46089	2.68913	2.66916
5629	480416.69	3851136.22	1.10204	2.6829	0.16746	0.45531	0.77449	0.45232	2.7118	2.6829
5630	480579.95	3851215.17	1.1374	2.62777	0.16791	0.40774	0.79597	0.44379	2.65214	2.62777
5631	480658.98	3851252.22	1.16211	2.60657	0.18834	0.38259	0.80263	0.44217	2.63625	2.60657
5632	480817.36	3851327.85	1.20777	2.58472	0.36609	0.3752	0.80941	0.44439	2.62091	2.58472
5633	480896.71	3851366.42	1.23942	2.68741	0.48041	0.3703	0.80933	0.44692	2.72192	2.68741
5634	480976.07	3851405	1.2756	3.07108	0.60916	0.3634	0.8067	0.45009	3.15482	3.07108
5635	481178	3851487.31	1.13753	2.84367	0.93808	0.34341	0.77668	0.48037	2.8313	2.84367
5636	481244.9	3851557.17	1.12648	3.38117	0.99064	0.3527	0.79565	0.48693	3.33417	3.38117
5637	481311.81	3851627.03	1.12188	3.40368	1.03468	0.36266	0.81506	0.48952	3.45873	3.40368
5638	481378.71	3851696.89	1.11967	3.79084	1.06958	0.37305	0.83443	0.4877	3.81117	3.79084
5639	481445.61	3851766.76	1.11893	3.62091	1.09539	0.38346	0.85404	0.47929	3.63208	3.62091

5.13158249	1.388624891	8.547E-06	0.018243	0.331415	0.031352	5.380427	5.11251858	7.169134
5.12696508	1.391887722	1.001E-05	0.016795	0.307514	0.031978	5.376905	5.12453139	7.127523
5.23952724	1.575758378	1.093E-05	0.015811	0.280647	0.030639	6.058428	5.80149041	7.399331
5.25563686	1.604385783	1.197E-05	0.014422	0.253693	0.029245	6.195772	5.9068883	7.446277
5.17047133	3.196485319	1.406E-05	0.011097	0.193531	0.028128	12.50881	11.7685422	9.339993
5.06037179	3.518655006	1.446E-05	0.010401	0.181615	0.028236	13.80065	12.9546786	9.645267
5.02384296	3.173645501	1.47E-05	0.00992	0.173033	0.028344	12.3508	11.6844525	9.075145
5.02415079	3.012529154	1.479E-05	0.009731	0.169814	0.028398	11.70589	11.0912683	8.859264
5.00804116	2.779022963	1.479E-05	0.009312	0.162846	0.028496	10.75623	10.2315655	8.512395
5.00947769	2.763253363	1.459E-05	0.008978	0.155671	0.028545	10.67619	10.1735064	8.468619
6.53383812	2.724081388	1.442E-05	0.008874	0.153383	0.028581	10.50448	10.0292864	9.92397
6.39634196	2.708860844	1.403E-05	0.009151	0.156957	0.028615	10.42403	9.9732487	9.750721
6.3889541	2.606209929	1.337E-05	0.009438	0.160231	0.028658	10.0092	9.59531748	9.607388
6.21154301	2.648446714	1.336E-05	0.009714	0.164488	0.028661	10.16262	9.75082121	9.474663
6.20394994	2.668262225	1.291E-05	0.010004	0.168168	0.02868	10.20307	9.82377623	9.458371
6.17398809	2.634958846	1.269E-05	0.010283	0.172378	0.028672	10.0654	9.70116274	9.384529
6.27875195	2.658793264	1.216E-05	0.010578	0.176224	0.028679	10.13389	9.78891423	9.498013
6.22847351	1.927194535	1.046E-05	0.011527	0.189533	0.028553	7.359042	7.09537754	8.648956
6.46786048	2.027050667	1.036E-05	0.011847	0.192858	0.028579	7.719641	7.46301918	8.984828
6.47565877	1.994480862	1.03E-05	0.012124	0.19698	0.028543	7.608937	7.3431065	8.973629
6.54563816	2.047248716	1.007E-05	0.012428	0.200605	0.028542	7.776806	7.5373826	9.073895
6.62167149	2.032568226	9.767E-06	0.012725	0.204377	0.028532	7.697939	7.48333325	9.11449
6.63182978	2.057451251	9.518E-06	0.013002	0.208454	0.028495	7.782711	7.57494541	9.147006
6.67513081	2.059719481	9.245E-06	0.013269	0.212563	0.028447	7.785059	7.58329639	9.1909
6.79179733	2.053081308	8.945E-06	0.014125	0.216648	0.028391	7.749078	7.55885653	9.294274
6.60453577	1.701073593	7.947E-06	0.018106	0.227647	0.0324	6.425656	6.26286509	8.746562
6.81816787	1.6577837	7.555E-06	0.019706	0.232148	0.033991	6.240833	6.10348412	8.899154
7.00953379	1.626757553	7.178E-06	0.021244	0.236704	0.035416	6.112813	5.98925474	9.05322
7.22521807	1.590326356	6.835E-06	0.022677	0.241223	0.03894	5.974726	5.85512553	9.237992
7.44398062	1.54413817	6.529E-06	0.023926	0.245729	0.045834	5.797345	5.68507387	9.415884
7.75622004	1.575411843	6.119E-06	0.025313	0.249708	0.051957	5.905476	5.80021456	9.763878
8.7563507	1.010325509	5.324E-06	0.027377	0.257686	0.062167	3.822718	3.71972875	10.2169
9.85283128	0.755248628	4.689E-06	0.028141	0.263423	0.068331	2.893441	2.78060884	11.08081
10.3412505	0.756238729	4.496E-06	0.028382	0.266033	0.070599	2.895202	2.7842541	11.57346
10.6185002	0.778646502	4.283E-06	0.028639	0.26821	0.071551	2.977488	2.8667531	11.87628
10.8610681	0.793583518	4.087E-06	0.028738	0.303515	0.07122	3.029438	2.92174691	12.16582
11.0678253	0.794960658	3.934E-06	0.028566	0.318581	0.070235	3.03265	2.92681714	12.386
11.2138381	0.796202784	3.817E-06	0.028173	0.331129	0.068994	3.031752	2.93139029	12.5387
10.9218126	0.757525859	3.576E-06	0.026523	0.359213	0.064516	2.880561	2.78899295	12.22116
10.222737	0.738353914	3.47E-06	0.025173	0.368685	0.062521	2.81359	2.71840735	11.51266
10.0212128	0.8860499	3.587E-06	0.026759	0.359651	0.064434	3.352555	3.2621816	11.44848
10.1880551	1.35411989	3.776E-06	0.028551	0.318106	0.068002	5.118533	4.98548106	12.08989
10.3533584	1.303611266	3.706E-06	0.027773	0.32726	0.067049	4.962992	4.79952279	12.24252
10.5273833	1.252031532	3.839E-06	0.026821	0.335727	0.066002	4.787285	4.60962101	12.38563
10.7220328	1.212886561	4.009E-06	0.02576	0.343465	0.06496	4.665514	4.46550045	12.56912
10.9909711	1.201243879	4.145E-06	0.024677	0.350562	0.063762	4.64281	4.42263544	12.85139
11.3079306	1.207427507	4.248E-06	0.023586	0.357156	0.062576	4.68195	4.44540178	13.19523
11.6707563	1.182616489	4.26E-06	0.021122	0.367062	0.061396	4.578947	4.35405473	13.52785
11.9243033	1.173075521	4.778E-06	0.019819	0.370133	0.061172	4.551512	4.31892762	13.78109
12.3928163	1.163242024	9.287E-06	0.019436	0.37326	0.061479	4.525028	4.2827235	14.25255
12.7175741	1.209457213	1.219E-05	0.019182	0.373223	0.061829	4.699422	4.45287458	14.62783
13.0888137	1.382126232	1.545E-05	0.018825	0.37201	0.062268	5.446829	5.08859238	15.28229
11.6720902	1.279781348	2.38E-05	0.017789	0.358166	0.066457	4.888268	4.71178787	13.57079
11.5587072	1.521680891	2.513E-05	0.01827	0.366914	0.067364	5.756478	5.60239261	13.68705
11.511507	1.531811419	2.625E-05	0.018786	0.375865	0.067723	5.971532	5.63969031	13.83756
11.4888304	1.706051098	2.713E-05	0.019325	0.384798	0.067471	6.580024	6.28119083	13.96533
11.4812373	1.629574838	2.779E-05	0.019864	0.393841	0.066307	6.270823	5.99962718	13.86205

5640	481512.51	3851836.62	1.12342	3.50131	1.10747	0.39468	0.87444	0.47831	3.51139	3.50131
5641	481579.42	3851906.48	1.12978	3.41649	1.10627	0.40618	0.89524	0.48401	3.42554	3.41649
5642	481646.32	3851976.34	1.13423	3.3442	1.09235	0.41761	0.91567	0.48985	3.35323	3.3442
5643	481713.22	3852046.2	1.14355	3.26297	1.05582	0.43114	0.93727	0.49529	3.27193	3.26297
5644	481780.12	3852116.06	1.14584	3.23848	1.01908	0.44184	0.95727	0.50152	3.24848	3.23848
5645	481847.03	3852185.92	1.14483	3.20429	0.98156	0.45089	0.97666	0.50747	3.21542	3.20429
5646	481913.93	3852255.78	1.14222	3.12363	0.94534	0.45869	0.99491	0.51284	3.13751	3.12363
5647	481980.83	3852325.65	1.13664	2.98825	0.92325	0.46415	1.01132	0.51713	3.00162	2.98825
5648	482047.73	3852395.51	1.13439	3.02697	0.8793	0.47244	1.03009	0.52172	3.04143	3.02697
5649	482114.64	3852465.37	1.14484	2.94616	0.86134	0.47724	1.04653	0.52473	2.91764	2.94616
5650	482181.54	3852535.23	1.19295	3.09729	0.80833	0.48689	1.0667	0.52972	3.02851	3.09729
5651	482338.69	3852700.04	1.29949	3.30271	0.76519	0.50255	1.10893	0.54594	3.20458	3.30271
5652	482404.05	3852767.78	1.30985	3.43909	0.76733	0.51496	1.12624	0.72336	3.44737	3.43909
5653	482469.4	3852835.52	1.28646	3.56493	0.84418	0.54042	1.14286	0.86363	3.68657	3.56493
5654	482534.75	3852903.25	1.38132	3.39917	1.08664	0.56966	1.16108	0.91485	3.64086	3.39917
5655	482600.11	3852970.99	1.68193	4.1868	1.3139	0.59895	1.17694	0.86875	3.23868	4.1868
5656	482706.71	3853119.28	1.87426	4.92877	1.55222	0.73196	1.18903	0.76873	3.39421	4.92877
5657	482747.96	3853199.84	1.88285	4.20522	1.60596	0.82867	1.16703	0.7756	3.19113	4.20522
5658	482789.21	3853280.4	1.87934	2.84308	1.63324	0.91822	1.13013	0.80801	2.73313	2.84308
5659	482830.46	3853360.96	1.87318	2.38753	1.65876	0.9993	1.08135	0.86346	2.42045	2.38753
5660	482871.71	3853441.52	1.8738	2.25803	2.01485	1.06637	1.02036	0.93365	2.3321	2.25803
5661	482912.95	3853522.07	1.86986	2.11759	2.31621	1.1333	0.95234	1.0399	2.20879	2.11759
5662	482954.2	3853602.63	1.86549	1.94218	2.64633	1.33922	0.94328	1.17668	2.08531	1.94218
5663	482995.45	3853683.19	1.86531	1.8028	2.95512	1.68211	1.12052	1.35205	1.9849	1.8028
5664	483036.7	3853763.75	1.86554	1.65842	3.21917	2.15942	1.31335	1.71463	1.89748	1.65842
5665	483214.2	3853909.91	1.94355	1.38242	3.105	3.57851	1.47989	2.72647	1.54538	1.38242
5666	483307.01	3853910.44	1.97581	1.07678	1.44968	2.6105	1.26597	2.14334	1.17499	1.07678
5667	483399.83	3853910.96	1.97332	0.67392	1.15541	2.04511	1.11581	1.70522	0.85173	0.67392
5668	483494.52	3854009.24	1.64904	0.64318	1.71041	2.28689	1.20028	1.77427	0.85234	0.64318
5669	483496.41	3854106.98	1.7653	0.816	1.82215	3.46294	1.5987	2.16581	1.11619	0.816
5670	483577.56	3854261.96	1.89982	0.88941	1.37994	9.54318	2.07185	3.59878	1.64045	0.88941
5671	483656.83	3854319.19	1.90852	0.71757	2.07199	9.56006	2.1935	3.40903	1.6979	0.71757
5672	483736.1	3854376.41	1.92072	0.5711	2.25242	9.51757	2.25903	3.22995	1.70537	0.5711
5673	483815.36	3854433.64	1.93645	0.48579	1.67344	9.72151	2.30771	3.06744	1.77354	0.48579
5674	483894.63	3854490.87	1.96251	0.39782	2.17349	9.94233	2.33471	2.88451	1.86101	0.39782
5675	483973.9	3854548.09	1.99675	0.36345	2.23267	9.97312	2.34053	2.73537	1.94857	0.36345
5676	484053.17	3854605.32	2.01535	0.33019	2.52638	10.60464	2.35702	2.72456	2.10112	0.33019
5677	484214.97	3854698.15	2.02391	0.31941	1.78224	10.73841	2.2469	2.32687	2.26263	0.31941
5678	484297.5	3854733.74	1.98415	0.34682	1.59521	11.68128	2.16502	2.1895	2.12013	0.34682
5679	484380.03	3854769.34	1.99082	0.35982	1.63433	12.57425	2.01959	2.14051	2.14796	0.35982
5680	484462.56	3854804.94	1.97774	0.36508	1.61995	13.16435	1.91403	2.27281	2.23145	0.36508
5681	484545.09	3854840.53	2.00017	0.35414	1.60026	12.78966	1.75648	2.31843	2.63142	0.35414
5682	484691.88	3854912.58	2.02692	0.39502	2.13494	10.84348	1.87285	2.85019	2.83719	0.39502
5683	484830.81	3855012.51	2.08685	0.40836	1.23105	11.09429	2.08499	3.12721	2.76374	0.40836
5684	484905.48	3855075.97	2.07987	0.42143	1.48147	10.7669	2.15536	2.925	2.71966	0.42143
5685	484980.14	3855139.44	2.07956	0.42156	1.70058	10.96159	2.34108	2.88577	2.584	0.42156
5686	485054.81	3855202.91	2.09251	0.4152	1.56537	11.3751	2.5422	2.91727	2.52913	0.4152
5687	485129.48	3855266.37	2.12762	0.40258	1.61701	11.34638	2.71107	2.97188	2.51554	0.40258
5688	485204.15	3855329.84	2.1185	0.40143	1.6939	11.68565	2.97838	2.96164	2.47632	0.40143
5689	485278.82	3855393.31	2.1312	0.39528	1.78961	11.54056	3.21549	2.97463	2.45029	0.39528
5690	485353.48	3855456.77	2.13194	0.39146	1.84292	11.36957	3.48987	2.95249	2.4186	0.39146
5691	485428.15	3855520.24	2.14358	0.38565	1.78254	11.41934	3.75847	2.952	2.3841	0.38565
5692	485502.82	3855583.71	2.15163	0.38068	2.08543	11.8613	4.04985	2.93581	2.34193	0.38068
5693	485577.49	3855647.17	2.14377	0.37858	2.03283	10.75005	4.38354	2.90439	2.29098	0.37858
5694	485652.16	3855710.64	2.13599	0.37613	2.66438	11.41316	4.65307	2.82627	2.23652	0.37613
5695	485726.83	3855774.1	2.141	0.37224	3.83769	11.0112	4.98369	2.84523	2.19393	0.37224
5696	485801.49	3855837.57	2.1524	0.36836	3.55858	11.73561	5.33198	2.86543	2.15878	0.36836

11.5273088	1.575749377	2.809E-05	0.020445	0.403248	0.066172	6.06245	5.80145727	13.85394
11.5925682	1.537576504	2.806E-05	0.021041	0.41284	0.06696	5.91423	5.6609157	13.88433
11.6382292	1.505042703	2.771E-05	0.021633	0.422262	0.067768	5.789386	5.54113557	13.90321
11.7338609	1.468485494	2.678E-05	0.022334	0.432222	0.068521	5.64902	5.40654242	13.96793
11.7573583	1.457463876	2.585E-05	0.022888	0.441445	0.069383	5.608534	5.36596398	13.99113
11.7469948	1.442076815	2.49E-05	0.023357	0.450387	0.070206	5.551455	5.30931323	13.97519
11.7202139	1.405776132	2.398E-05	0.023761	0.458803	0.070949	5.416943	5.17566453	13.92081
11.662958	1.34484895	2.342E-05	0.024044	0.466371	0.071542	5.182327	4.95134812	13.80077
11.6398709	1.362274718	2.231E-05	0.024473	0.475026	0.072177	5.25106	5.0155048	13.8094
11.7470974	1.325906528	2.185E-05	0.024722	0.482608	0.072594	5.037335	4.88160755	13.80868
12.2407497	1.393921929	2.051E-05	0.025222	0.491909	0.073284	5.228753	5.13202075	14.32184
13.3339468	1.486370309	1.941E-05	0.026033	0.511383	0.075528	5.53274	5.47238917	15.49363
13.4402498	1.547747536	1.947E-05	0.026676	0.519366	0.100073	5.951919	5.69836252	15.88769
13.2002472	1.604381282	2.142E-05	0.027995	0.52703	0.119479	6.3649	5.90687173	15.93718
14.1735969	1.529781713	2.757E-05	0.029509	0.535432	0.126565	6.285982	5.63221751	17.04868
17.2581283	1.884251178	3.333E-05	0.031026	0.542746	0.120187	5.591614	6.93727242	18.49071
19.2316086	2.218171558	3.938E-05	0.037917	0.548322	0.10635	5.860138	8.16667149	19.83587
19.3197498	1.892541019	4.074E-05	0.042926	0.538176	0.1073	5.509518	6.96779324	20.44246
19.283734	1.279515821	4.143E-05	0.047565	0.52116	0.111784	4.718777	4.71081028	21.25177
19.2205269	1.07449752	4.208E-05	0.051765	0.498665	0.119455	4.178931	3.95599169	21.18789
19.2268886	1.016216606	5.111E-05	0.055239	0.470539	0.129166	4.026394	3.74141809	21.18308
19.1864606	0.953012194	5.876E-05	0.058707	0.439172	0.143865	3.813498	3.50871757	21.08606
19.1416205	0.874069684	6.713E-05	0.069373	0.434994	0.162788	3.600309	3.21807389	21.06515
19.1397735	0.81134232	7.496E-05	0.087136	0.516728	0.18705	3.42695	2.98712972	21.18192
19.1421335	0.746364727	8.166E-05	0.111861	0.605652	0.237211	3.276018	2.74790086	21.37142
19.9425869	0.622152124	7.877E-05	0.185372	0.682452	0.377194	2.668114	2.29058568	22.18736
20.2736038	0.484600168	3.678E-05	0.135228	0.583803	0.296521	2.028632	1.78415883	22.01826
20.2480541	0.303294773	2.931E-05	0.10594	0.514556	0.235909	1.47052	1.11664437	21.76166
16.920647	0.289460369	4.339E-05	0.118464	0.55351	0.245462	1.471574	1.06571006	18.53345
18.1135801	0.36723726	4.622E-05	0.179385	0.737241	0.299629	1.927113	1.35206227	20.27217
19.4938774	0.400275112	3.501E-05	0.49435	0.955434	0.497874	2.832254	1.47369816	23.2004
19.5831473	0.322939266	5.256E-05	0.495224	1.011533	0.471623	2.931442	1.18896975	23.62699
19.7083304	0.257021078	5.714E-05	0.493023	1.041752	0.446848	2.944339	0.94627789	23.94509
19.8697345	0.218627682	4.245E-05	0.503588	1.064201	0.424365	3.062035	0.80492442	24.33767
20.1371337	0.179037165	5.514E-05	0.515027	1.076652	0.399058	3.213053	0.65916349	24.86085
20.4884672	0.163569096	5.664E-05	0.516622	1.079336	0.378425	3.364226	0.6022145	25.38849
20.6793201	0.148600577	6.409E-05	0.549335	1.086941	0.37693	3.627605	0.54710471	25.92169
20.7671535	0.143749085	4.521E-05	0.556265	1.036159	0.321911	3.906454	0.5292429	26.20249
20.3591798	0.156084837	4.047E-05	0.605107	0.9984	0.302907	3.660426	0.5746596	25.50748
20.42762	0.16193543	4.146E-05	0.651364	0.931335	0.296129	3.708475	0.59619981	25.5807
20.2934073	0.16430267	4.109E-05	0.681932	0.882656	0.314432	3.852621	0.60491531	25.58448
20.5235595	0.159379171	4.06E-05	0.662522	0.810001	0.320743	4.543173	0.5867884	26.43263
20.7980388	0.177777037	5.416E-05	0.561707	0.863665	0.39431	4.898437	0.65452406	27.03947
21.412975	0.183780647	3.123E-05	0.5747	0.961494	0.432634	4.771625	0.67662763	27.66061
21.3413538	0.189662743	3.758E-05	0.55774	0.993945	0.404659	4.695521	0.69828382	27.48464
21.338173	0.189721249	4.314E-05	0.567826	1.07959	0.399232	4.461302	0.69849923	27.33739
21.4710517	0.186858959	3.971E-05	0.589246	1.172336	0.40359	4.366569	0.68796109	27.50173
21.8313122	0.181179383	4.102E-05	0.587758	1.250211	0.411145	4.343105	0.66705052	27.9377
21.7377327	0.18066183	4.297E-05	0.605333	1.373481	0.409728	4.275392	0.66514504	27.91723
21.8680462	0.177894049	4.54E-05	0.597817	1.482824	0.411526	4.230451	0.65495487	28.11365
21.8756393	0.176174875	4.675E-05	0.58896	1.609355	0.408463	4.175737	0.64862536	28.18575
21.9950763	0.17356011	4.522E-05	0.591538	1.73322	0.408395	4.116173	0.63899855	28.37901
22.0776766	0.171323383	5.29E-05	0.614432	1.86759	0.406155	4.043366	0.63076356	28.54983
21.9970258	0.170378287	5.157E-05	0.556868	2.021471	0.401808	3.9554	0.62728399	28.47572
21.917196	0.169275675	6.759E-05	0.591218	2.145765	0.391001	3.861374	0.62322449	28.45267
21.9686031	0.167524997	9.735E-05	0.570396	2.29823	0.393624	3.787842	0.61677899	28.56954
22.0855775	0.16577882	9.027E-05	0.607921	2.458844	0.396418	3.727156	0.61035007	28.83144

5697	485876.16	3855901.04	2.15694	0.36979	3.73601	10.44516	5.71215	2.85494	2.1115	0.36979
5698	485950.83	3855964.5	2.16501	0.3718	2.91842	11.52835	6.11364	2.8442	2.06278	0.3718
5699	486025.5	3856027.97	2.18017	0.37006	2.90745	10.35086	6.68665	2.81125	2.0059	0.37006
5700	486100.17	3856091.44	2.16087	0.3818	3.23381	10.96979	7.02984	2.79439	1.97509	0.3818
5701	486174.83	3856154.9	2.1769	0.37664	1.88014	10.006	7.50553	2.76973	1.92701	0.37664
5702	486249.5	3856218.37	2.21679	0.35907	1.52718	10.523	8.03605	2.61964	1.81191	0.35907
5703	486324.17	3856281.84	2.25345	0.34123	1.40849	9.35784	8.28155	2.54022	1.73451	0.34123
5704	486398.84	3856345.3	2.24697	0.34508	1.55352	10.08392	8.89212	2.63408	1.71451	0.34508
5705	486473.51	3856408.77	2.25304	0.3427	1.39599	8.85497	9.41888	2.6581	1.72566	0.3427
5706	486548.17	3856472.24	2.24686	0.34701	1.50091	9.66126	10.1463	2.63746	1.74366	0.34701
5707	486622.84	3856535.7	2.24195	0.35163	1.55985	10.64023	10.952	2.55052	1.71375	0.35163
5708	486765.48	3856659.69	2.23534	0.36557	1.36315	9.22944	13.0141	2.42411	1.64569	0.36557
5709	486833.44	3856720.2	2.24199	0.37031	1.27083	9.9133	13.9989	2.42579	1.60976	0.37031
5710	486901.41	3856780.72	2.24535	0.37762	1.36597	9.61101	15.1414	2.40985	1.56234	0.37762
5711	486969.38	3856841.24	2.25154	0.3832	1.25333	9.33257	16.7954	2.41376	1.52164	0.3832
5712	487037.34	3856901.75	2.25678	0.3884	2.42839	9.05405	29.7344	2.42119	1.48638	0.3884
5713	487271.23	3856855.51	1.88584	0.37948	1.74767	2.60386	24.9352	1.40082	1.0965	0.37948
5714	487368.95	3856857.29	1.78739	0.38005	1.07488	2.14289	26.1753	1.26552	0.99521	0.38005
5715	487466.68	3856859.06	1.69429	0.38225	1.00595	1.78442	25.1682	1.15645	0.90149	0.38225
5716	487636.44	3856930	1.59751	0.38596	1.0066	1.51938	26.7992	1.20826	0.8223	0.38596
5717	487709.57	3856928.43	1.53249	0.3927	0.94583	1.32523	28.8884	1.2725	0.76772	0.3927
5718	487782.55	3856841.96	1.42457	0.39826	1.20834	1.11966	33.6063	1.28009	0.66792	0.39826
5719	487849.83	3856754.74	1.3316	0.4067	1.15879	0.97477	37.3741	1.15247	0.60097	0.4067
5720	487918.03	3856819.39	1.31102	0.41377	1.2038	0.99453	25.0066	1.1144	0.60103	0.41377
5721	487918.8	3856886.37	1.34324	0.41335	1.14875	1.04904	26.6904	1.202	0.62668	0.41335
5722	488065.46	3857127.5	1.35478	0.4079	1.29006	1.3009	26.7625	1.00572	0.6796	0.4079
5723	488192.19	3857385.83	1.32851	0.44507	2.29234	1.69347	26.5004	1.72535	0.75322	0.44507
5724	488191.21	3857473.87	1.35511	0.46766	2.26784	1.80342	26.9162	1.70398	0.80539	0.46766
5725	488190.24	3857561.9	1.39018	0.49203	2.96573	1.93095	26.838	1.55668	0.85715	0.49203
5726	488158.35	3857691.13	1.51814	0.53895	2.96869	2.46256	31.4247	2.18549	0.96366	0.53895
5727	488208.37	3857816.66	1.59666	0.60913	5.37546	3.02252	28.3551	2.39652	1.02782	0.60913
5728	488271.97	3857874.6	1.5823	0.63874	5.37983	3.13476	24.7102	2.45471	1.02413	0.63874
5729	488463.56	3857942.31	1.45761	0.65308	4.07897	2.96574	13.7997	2.03575	0.93141	0.65308
5730	488554.83	3857940.83	1.40997	0.6156	3.68758	2.93126	11.0808	1.88559	0.87463	0.6156
5731	488646.1	3857939.36	1.37347	0.58533	3.32826	2.95794	11.9953	1.76037	0.82609	0.58533
5732	488737.37	3857937.88	1.36745	0.56445	2.99991	3.02666	12.3488	1.65787	0.78258	0.56445
5733	488733.59	3857960.57	1.39299	0.58248	3.03568	3.05723	11.7641	1.66067	0.79717	0.58248
5734	488638.09	3857961.57	1.39788	0.6054	3.16793	2.9986	11.1393	1.77319	0.84413	0.6054
5735	488542.6	3857962.56	1.43918	0.63439	3.35806	2.99492	9.86098	1.91268	0.89698	0.63439
5736	488447.1	3857963.56	1.49323	0.67485	3.72972	3.07782	15.3593	2.09178	0.96099	0.67485
5737	488254.28	3857890.36	1.65974	0.65403	5.48894	3.40537	25.57	2.51475	1.05928	0.65403
5738	488191.69	3857833.06	1.64741	0.62211	5.44294	3.40266	29.0603	2.50841	1.06472	0.62211
5739	488129.5	3857907.43	2.09198	0.68829	6.11809	9.70603	28.9861	3.99895	1.27358	0.68829
5740	488196.47	3857968.73	2.11408	0.71995	5.22649	9.75529	26.205	4.2831	1.27403	0.71995
5741	488263.44	3858030.04	2.13656	0.74582	5.40366	9.69477	23.8362	4.27837	1.27957	0.74582
5742	488400.64	3858132.9	2.07973	0.79089	2.54419	6.81162	19.7094	3.62764	1.23697	0.79089
5743	488519.89	3858218.38	2.02738	0.85942	2.96856	5.40189	15.8267	3.32595	1.18895	0.85942
5744	488647.97	3858214.99	1.76387	0.80386	2.54562	4.08632	10.516	2.43048	1.02622	0.80386
5745	488727.05	3858167.67	1.6522	0.73965	2.19949	3.62342	7.44334	2.04945	0.92796	0.73965
5746	488806.12	3858120.35	1.50727	0.6815	2.53959	3.46419	7.51557	1.84662	0.85484	0.6815
5747	488885.2	3858073.03	1.41549	0.6264	3.34854	3.47238	9.4959	1.69201	0.79151	0.6264
5748	489055.76	3857991.17	1.2768	0.53343	3.23814	3.53539	10.7853	1.4074	0.67291	0.53343
5749	489245.39	3857944.54	1.25711	0.48014	2.49416	2.00909	9.39479	1.22296	0.57462	0.48014
5750	489430.63	3857930.91	1.17848	0.4432	2.67498	1.77149	7.81187	1.11173	0.50892	0.4432
5751	489517.74	3857929.36	1.10523	0.4272	3.19	1.7597	7.18325	1.06642	0.484	0.4272
5752	489604.85	3857927.82	1.07542	0.41245	2.21143	2.55208	6.59286	1.02767	0.46122	0.41245
5753	489691.97	3857926.28	1.08976	0.40517	2.28884	2.10874	5.97327	0.99488	0.44115	0.40517

22.132162	0.166422385	9.477E-05	0.541074	2.63416	0.394967	3.645526	0.61271949	28.90169
22.2149675	0.167326977	7.403E-05	0.597185	2.819307	0.393481	3.561411	0.61604994	29.1377
22.3705229	0.166543898	7.376E-05	0.536189	3.083551	0.388923	3.463207	0.61316687	29.39584
22.1724874	0.171827434	8.203E-05	0.56825	3.241813	0.38659	3.410013	0.63261933	29.31844
22.3369697	0.169505198	4.77E-05	0.518325	3.461178	0.383179	3.327002	0.62406952	29.57214
22.7462773	0.161597896	3.874E-05	0.545106	3.705827	0.362414	3.128281	0.59495711	30.05459
23.1224422	0.153569081	3.573E-05	0.484749	3.81904	0.351427	2.994649	0.56539731	30.36051
23.0559515	0.155301757	3.941E-05	0.522361	4.100604	0.364412	2.960119	0.57177653	30.58701
23.1182352	0.154230648	3.541E-05	0.4587	4.34352	0.367735	2.979369	0.56783301	30.85399
23.0548228	0.156170345	3.807E-05	0.500467	4.678956	0.36488	3.010447	0.57497442	31.19081
23.0044417	0.158249556	3.957E-05	0.551179	5.0505	0.352852	2.958807	0.58262948	31.49344
22.9366171	0.164523193	3.458E-05	0.478098	6.001443	0.335364	2.8413	0.60572721	32.15165
23.0048522	0.166656409	3.224E-05	0.513523	6.455589	0.335596	2.779267	0.6135811	32.64193
23.0393288	0.169946243	3.465E-05	0.497864	6.982439	0.333391	2.697396	0.62569332	33.09471
23.1028438	0.172457498	3.179E-05	0.48344	7.745209	0.333932	2.627127	0.63493904	33.8301
23.156611	0.174797735	6.16E-05	0.469012	13.71204	0.33496	2.56625	0.64355513	39.77018
19.3504299	0.170783328	4.433E-05	0.134884	11.49886	0.193797	1.893118	0.62877523	32.61314
18.3402436	0.171039854	2.727E-05	0.111005	12.07073	0.175079	1.71824	0.62971969	31.95664
17.3849531	0.172029954	2.552E-05	0.092435	11.60632	0.159989	1.556432	0.63336495	30.33882
16.3919025	0.173699624	2.554E-05	0.078706	12.35847	0.167157	1.419709	0.6395122	29.95016
15.7247383	0.176732932	2.399E-05	0.068649	13.32191	0.176044	1.325476	0.65067997	30.14289
14.6173811	0.179235185	3.065E-05	0.058	15.49757	0.177094	1.153171	0.65989255	31.02259
13.6634245	0.183033571	2.94E-05	0.050494	17.23508	0.159439	1.037581	0.67387711	31.6552
13.452255	0.186215394	3.054E-05	0.051518	11.5318	0.154172	1.037684	0.68559167	25.72808
13.7828615	0.186026374	2.914E-05	0.054342	12.30827	0.166291	1.081969	0.68489576	26.89489
13.9012724	0.183573626	3.273E-05	0.067388	12.34152	0.139136	1.173336	0.67586544	27.1304
13.6317183	0.200301823	5.815E-05	0.087724	12.22068	0.238694	1.300442	0.73745386	26.94216
13.9046585	0.210468354	5.753E-05	0.09342	12.41243	0.235737	1.390514	0.77488412	27.4724
14.2645085	0.221435967	7.523E-05	0.100026	12.37633	0.215359	1.479878	0.81526372	27.84235
15.5774942	0.24255211	7.531E-05	0.127564	14.49152	0.302352	1.663769	0.8930073	31.51232
16.3831807	0.274136314	0.0001364	0.156571	13.07597	0.331547	1.774542	1.00929128	30.9868
16.2358341	0.287462166	0.0001365	0.162385	11.39514	0.339597	1.768171	1.05835325	29.13037
14.9564015	0.293915821	0.0001035	0.153629	6.363746	0.281636	1.608089	1.08211376	22.57541
14.4675719	0.27704811	9.355E-05	0.151843	5.10991	0.260862	1.510058	1.02001168	20.75738
14.0930487	0.263425227	8.443E-05	0.153225	5.531623	0.243539	1.426253	0.96985613	20.74134
14.0312781	0.254028274	7.61E-05	0.156785	5.694635	0.229358	1.351132	0.93525925	20.78203
14.2933416	0.262142597	7.701E-05	0.158369	5.425028	0.229746	1.376322	0.96513386	20.77989
14.3435175	0.272457644	8.036E-05	0.155332	5.136906	0.245312	1.457399	1.0031109	20.60789
14.767293	0.285504468	8.519E-05	0.155141	4.547394	0.26461	1.548645	1.05114556	20.51753
15.321895	0.303713315	9.461E-05	0.159435	7.082942	0.289388	1.659159	1.11818532	23.69844
17.0304387	0.294343364	0.0001392	0.176403	11.79162	0.347903	1.828858	1.08368785	30.38602
16.9039217	0.279977907	0.0001381	0.176263	13.40118	0.347026	1.83825	1.03079835	31.91596
21.4656134	0.309761929	0.0001552	0.502786	13.36694	0.553235	2.198849	1.14045458	37.25689
21.6923795	0.324010374	0.0001326	0.505338	12.08444	0.592546	2.199626	1.19291327	36.20555
21.9230447	0.335653056	0.0001371	0.502203	10.99205	0.591892	2.209191	1.23577828	35.3184
21.3399173	0.355936614	6.454E-05	0.352851	9.088983	0.501866	2.135641	1.31045653	32.4648
20.8027588	0.386778243	7.531E-05	0.279825	7.29847	0.460129	2.052734	1.42400656	29.85676
18.098907	0.361773706	6.458E-05	0.211677	4.849471	0.336245	1.771779	1.33194703	24.29797
16.9530715	0.332876274	5.58E-05	0.187698	3.432499	0.283531	1.602132	1.22555497	21.56631
15.4659582	0.306706119	6.442E-05	0.17945	3.465808	0.255471	1.47589	1.12920396	20.02014
14.5242121	0.281908603	8.495E-05	0.179874	4.379038	0.234081	1.36655	1.03790662	19.92784
13.1011268	0.240067858	8.214E-05	0.183138	4.973663	0.194707	1.161786	0.883861	18.97071
12.8990895	0.216084924	6.327E-05	0.104074	4.332411	0.169191	0.992087	0.79556272	17.91744
12.0922744	0.199460237	6.786E-05	0.091766	3.602447	0.153802	0.878656	0.73435539	16.28412
11.3406629	0.192259507	8.092E-05	0.091155	3.312558	0.147534	0.835631	0.70784436	15.21204
11.0347852	0.185621333	5.61E-05	0.132201	3.0403	0.142173	0.796301	0.68340451	14.64803
11.1819266	0.182345001	5.806E-05	0.109236	2.754576	0.137637	0.76165	0.671342	14.45609

5754	489779.08	3857924.73	1.09179	0.397	1.97282	1.65067	6.13395	0.95725	0.4227	0.397
5755	490017.55	3857875.08	0.93845	0.36018	1.46587	1.98035	6.60339	0.86146	0.37173	0.36018
5756	490033.82	3857960.81	1.00964	0.37988	2.01256	1.90188	6.00898	0.86815	0.38496	0.37988
5757	489959.15	3857987.49	1.0513	0.39603	2.14686	2.19689	5.60982	0.90822	0.40344	0.39603
5758	489791.49	3858016.12	1.07231	0.41728	2.28331	2.40381	6.12758	0.94875	0.44457	0.41728
5759	489698.51	3858018.07	1.08733	0.42635	2.42626	1.93727	6.64352	0.99373	0.46672	0.42635
5760	489605.52	3858020.01	1.09948	0.4419	2.50445	2.72284	7.16073	1.04196	0.49072	0.4419
5761	489512.53	3858021.96	1.10668	0.46234	3.25674	2.33321	7.70632	1.08585	0.5169	0.46234
5762	489419.55	3858023.91	1.12743	0.48275	2.76062	1.99745	8.28123	1.17507	0.54588	0.48275
5763	489228.47	3858041.29	1.17914	0.52295	2.98228	2.43444	9.70104	1.33729	0.61907	0.52295
5764	489065.75	3858085.78	1.30625	0.58317	2.8147	3.84905	9.78647	1.56445	0.70785	0.58317
5765	489001.12	3858114.86	1.37179	0.61765	2.40466	3.85531	9.16026	1.68027	0.75277	0.61765
5766	488861.89	3858189.81	1.47501	0.69534	2.05405	3.68313	6.31484	1.95079	0.85079	0.69534
5767	488787.29	3858235.69	1.55659	0.75884	2.30151	3.83118	7.04013	2.1409	0.93287	0.75884
5768	488712.68	3858281.57	1.79798	0.81712	2.43793	4.28425	9.28838	2.58138	1.03371	0.81712
5769	488654.39	3858436.17	2.2726	1.10065	2.14074	8.48429	13.4513	5.24	1.41721	1.10065
5770	488726.3	3858505.26	2.16384	1.16334	1.99306	7.95054	12.1072	4.69174	1.42699	1.16334
5771	488880.6	3858599.28	2.11617	1.18056	1.89958	9.68192	8.90781	4.49484	1.30542	1.18056
5772	489008.06	3858714.75	2.02521	1.24435	1.96741	9.95114	7.41278	4.37011	1.30202	1.24435
5773	489071.48	3858772.72	1.95038	1.29739	2.15918	9.70259	7.07563	4.31035	1.30078	1.29739
5774	489244.59	3858920.19	1.77781	1.43161	2.62265	11.89268	6.13294	3.98117	1.40662	1.43161
5775	489239.69	3858952.23	1.78023	1.62662	3.15295	10.87376	6.28432	5.93331	1.54984	1.62662
5776	489121.67	3858854.49	1.88849	1.44398	2.89665	12.23793	6.87473	5.05636	1.47468	1.44398
5777	489059.59	3858797.27	1.96098	1.36995	2.66764	10.79655	7.17977	4.51863	1.40133	1.36995
5778	488997.52	3858740.04	2.04315	1.31344	2.45465	11.21025	7.69537	4.81719	1.3866	1.31344
5779	488935.44	3858682.82	2.12801	1.25992	2.26614	10.43973	8.53202	5.24035	1.38694	1.25992
5780	488869.17	3858848.43	2.13792	2.5624	2.4335	4.35443	11.1328	2.05613	3.28817	2.5624
5781	488932.48	3858892.69	2.09544	2.71174	2.46519	4.2494	10.3614	1.93086	3.38539	2.71174
5782	489063.27	3858977.17	2.05141	2.94254	2.60231	4.49248	8.67292	1.70416	3.23942	2.94254
5783	489248.2	3859117.15	2.01931	4.01586	4.05446	4.56025	6.46435	1.83655	4.06267	4.01586
5784	489296.25	3859049.22	1.78115	2.18623	4.10458	5.98456	6.11398	2.77606	2.06044	2.18623
5785	489353.38	3858993.96	1.70831	1.4998	2.22877	9.74218	5.45529	4.0531	1.4032	1.4998
5786	489537.24	3859120.22	1.71304	1.69243	3.41212	10.43088	4.36738	4.59281	1.5551	1.69243
5787	489726.98	3859246.04	1.72693	1.92537	11.93693	11.07312	3.30684	4.69917	1.84687	1.92537
5788	489911.46	3859366.33	1.72485	2.17754	15.71965	11.10904	2.54991	4.66485	2.15797	2.17754
5789	490035.3	3859430.26	1.6721	2.19381	11.73498	10.13937	2.48872	4.60098	2.20086	2.19381
5790	490101.11	3859458.61	1.63173	2.12628	8.73936	10.01607	2.45049	4.42219	2.14052	2.12628
5791	490312.68	3859560.3	1.5471	2.02693	5.995	10.28757	2.32672	3.83031	2.06108	2.02693
5792	490401.63	3859603.12	1.52681	2.00411	5.31486	10.0971	2.3032	3.5992	2.03691	2.00411
5793	490490.57	3859645.94	1.51229	2.01171	4.50621	9.80256	2.26245	3.49227	2.04366	2.01171
5794	490579.51	3859688.76	1.50053	2.01327	3.74819	9.52274	2.2102	3.43322	2.04518	2.01327
5795	490668.45	3859731.58	1.4926	1.87552	3.0884	9.20262	2.15327	3.36006	1.90524	1.87552
5796	490757.4	3859774.4	1.47463	2.01103	2.63009	8.79927	2.05497	3.39614	2.0393	2.01103
5797	491003.53	3859861.82	1.29019	1.94261	2.36889	8.2211	1.70579	3.16116	1.94626	1.94261
5798	491081.41	3859879.05	1.21578	1.82305	2.30752	9.12079	1.55132	3.18273	1.85635	1.82305
5799	491229.76	3859917.82	1.12153	1.66229	2.14299	10.38893	1.73013	3.3334	1.66585	1.66229
5800	491300.22	3859939.35	1.09062	1.62924	2.00463	10.57963	1.80461	3.5453	1.64399	1.62924
5801	491350.48	3860012.03	1.3864	2.13833	1.7976	6.86695	1.58859	5.13831	2.13428	2.13833
5802	491406.82	3860092.56	1.51104	2.34885	1.84695	4.30213	1.38502	2.96638	2.32698	2.34885
5803	491483.36	3860121.96	1.41103	2.12394	1.81421	4.09956	1.45484	2.9112	2.11275	2.12394
5804	491559.91	3860151.35	1.3283	1.94492	1.76994	3.71095	1.51588	2.84185	1.92445	1.94492
5805	491711.81	3860237.76	1.35428	1.62678	1.96367	3.20351	1.61156	2.54066	1.68638	1.62678
5806	491755.2	3860319.07	1.55427	1.76731	1.58352	2.21384	1.31358	1.85276	1.83746	1.76731
5807	491704.71	3860366.54	1.58794	2.24789	1.85902	1.95577	1.14695	1.67564	2.39501	2.24789
5808	491623.42	3860462.39	1.23257	2.82788	2.19757	1.47817	1.39829	1.28934	2.56218	2.82788
5809	491534.02	3860439.84	1.18271	1.55802	2.7007	1.53475	1.57224	1.3488	1.54485	1.55802
5810	491313.95	3860268.17	1.34605	1.9594	2.26401	1.7133	1.58087	1.51609	1.77277	1.9594

11.2027563	0.178668128	5.005E-05	0.085507	2.828673	0.132431	0.729796	0.6578048	14.50008
9.62934871	0.162097447	3.719E-05	0.102585	3.045156	0.119179	0.641796	0.59679631	13.1034
10.3598227	0.170963346	5.105E-05	0.09852	2.771043	0.120104	0.664637	0.62943801	13.5557
10.7872921	0.178231584	5.446E-05	0.113802	2.586971	0.125648	0.696543	0.65619757	13.83234
11.0028738	0.187795054	5.792E-05	0.124521	2.825736	0.131255	0.767555	0.69140753	14.34839
11.1569926	0.191876968	6.155E-05	0.100353	3.063662	0.137478	0.805797	0.70643596	14.74978
11.2816627	0.198875178	6.353E-05	0.141047	3.302173	0.14415	0.847233	0.73220137	15.183
11.3555412	0.208074111	8.262E-05	0.120864	3.553772	0.150222	0.892433	0.7660692	15.51492
11.568455	0.217259543	7.003E-05	0.103471	3.818892	0.162565	0.942467	0.79988733	16.01329
12.0990466	0.235351379	7.565E-05	0.126107	4.473638	0.185008	1.068831	0.86649628	17.32156
13.4033105	0.262453129	7.14E-05	0.199386	4.513034	0.216434	1.22211	0.96627715	18.85052
14.0758104	0.277970703	6.1E-05	0.19971	4.224257	0.232457	1.299665	1.0234084	19.28652
15.1349413	0.312934751	5.211E-05	0.190791	2.912091	0.269882	1.468898	1.152136	19.13745
15.9720261	0.34151265	5.838E-05	0.19846	3.246558	0.296183	1.61061	1.25735163	20.40806
18.4489066	0.367741311	6.185E-05	0.22193	4.28334	0.357121	1.784711	1.35391804	24.10989
23.3189386	0.495342758	5.431E-05	0.439498	6.203058	0.724928	2.446827	1.82370997	31.80494
22.2029622	0.523556121	5.056E-05	0.411849	5.583217	0.649079	2.463713	1.92758348	29.90684
21.7138248	0.531305907	4.819E-05	0.501537	4.10784	0.621839	2.253821	1.95611597	27.7741
20.7804926	0.56001432	4.991E-05	0.515483	3.418406	0.604583	2.247951	2.06181211	26.06517
20.0126689	0.583884742	5.477E-05	0.502608	3.262929	0.596316	2.24581	2.14969616	25.05457
18.2419441	0.64428987	6.653E-05	0.616057	2.828207	0.550775	2.428544	2.37209052	22.93779
18.2667755	0.732053275	7.998E-05	0.563276	2.898016	0.820844	2.675814	2.6952102	23.26165
19.3776213	0.649856935	7.348E-05	0.633942	3.170284	0.699523	2.54605	2.39258685	24.68476
20.1214345	0.616540055	6.767E-05	0.559276	3.310954	0.62513	2.41941	2.26992365	25.38289
20.9645733	0.591107974	6.227E-05	0.580707	3.548723	0.666435	2.393979	2.17629003	26.5693
21.8353139	0.567021531	5.749E-05	0.540793	3.934544	0.724977	2.394566	2.08761065	27.90966
21.9369995	1.153197005	6.173E-05	0.225566	5.133881	0.284456	5.677059	4.24574062	30.16548
21.5011162	1.220406824	6.254E-05	0.220125	4.778154	0.267125	5.84491	4.4931879	29.33871
21.0493284	1.324277363	6.601E-05	0.232717	3.99952	0.235762	5.592891	4.87560944	27.55895
20.7199533	1.807320373	0.0001029	0.236227	2.981037	0.254078	7.014241	6.65403526	26.35892
18.2762155	0.983903328	0.0001041	0.310009	2.819464	0.384054	3.557371	3.62244986	22.70867
17.528811	0.674978484	5.654E-05	0.504659	2.515709	0.560727	2.422639	2.48507719	21.7225
17.5773451	0.76167078	8.656E-05	0.540334	2.014019	0.635393	2.684896	2.80425336	21.40949
17.7198691	0.866504416	0.0003028	0.573603	1.52495	0.650107	3.18864	3.19022074	21.33376
17.6985264	0.979992431	0.0003988	0.575464	1.175892	0.645359	3.725757	3.60805106	21.19334
17.1572636	0.987314674	0.0002977	0.525234	1.147674	0.636523	3.799807	3.63500946	20.6191
16.7430307	0.95692309	0.0002217	0.518846	1.130044	0.611788	3.695629	3.52311637	20.13337
15.8746501	0.912211054	0.0001521	0.53291	1.072968	0.529905	3.558476	3.35849947	19.12277
15.6664563	0.901941012	0.0001348	0.523044	1.062122	0.497932	3.516746	3.32068812	18.84769
15.5174679	0.905361359	0.0001143	0.507786	1.04333	0.483138	3.5284	3.33328086	18.65232
15.3967996	0.90606343	9.508E-05	0.493291	1.019235	0.474969	3.531024	3.33586568	18.48561
15.3154306	0.84406964	7.835E-05	0.476709	0.992981	0.464848	3.289416	3.10762233	18.27591
15.1310421	0.905055328	6.672E-05	0.455814	0.94765	0.469839	3.520872	3.33215414	18.09819
13.2385203	0.874263204	6.009E-05	0.425864	0.786626	0.437331	3.360238	3.21878637	15.90412
12.4750062	0.820455744	5.854E-05	0.47247	0.715392	0.440315	3.205007	3.02068274	15.10802
11.5079157	0.748106404	5.436E-05	0.538161	0.79785	0.46116	2.876107	2.75431322	14.17504
11.190751	0.733232395	5.085E-05	0.54804	0.832197	0.490475	2.838365	2.69955138	13.93356
14.2257223	0.962346141	4.56E-05	0.355718	0.732579	0.71086	3.684856	3.54308248	17.12904
15.5046418	1.057089753	4.685E-05	0.222856	0.638702	0.410384	4.017555	3.89190129	17.95937
14.4784484	0.955869984	4.602E-05	0.212363	0.6709	0.40275	3.647684	3.51923913	16.84882
13.6295635	0.875302809	4.49E-05	0.192232	0.699049	0.393156	3.322582	3.2226139	15.88932
13.8961419	0.732125282	4.981E-05	0.165946	0.743171	0.351488	2.911552	2.69547531	16.105
15.9482208	0.795370199	4.017E-05	0.11468	0.605758	0.25632	3.172393	2.92832495	17.96446
16.2937056	1.011653143	4.716E-05	0.101312	0.528916	0.231817	4.135009	3.72461672	18.57784
12.6472869	1.272675127	5.575E-05	0.076571	0.644822	0.178374	4.42363	4.6856248	14.55779
12.135678	0.701180142	6.851E-05	0.079502	0.725039	0.1866	2.667199	2.58154418	13.91372
13.8116946	0.88181947	5.743E-05	0.088751	0.729019	0.209744	3.060705	3.24660638	15.53518

5811	491187.12	3860143.56	1.44506	2.50632	2.21275	2.73709	1.66875	1.97618	2.45494	2.50632	14.8276271	1.127958444	5.613E-05	0.141785	0.769545	0.273395	4.238479	4.15281948	17.22603
5812	491070.43	3860075.97	1.53904	2.79132	2.25104	3.04568	1.7738	2.13049	2.53132	2.79132	15.7919472	1.256221458	5.71E-05	0.15777	0.817989	0.294743	4.37035	4.62504711	18.06403
5813	490995.09	3860039.38	1.55723	2.88221	2.29666	3.05131	1.83314	2.1435	2.66327	2.88221	15.9785931	1.297126108	5.826E-05	0.158062	0.845353	0.296543	4.598163	4.7756463	18.39825
5814	490919.75	3860002.8	1.54617	3.06846	2.36033	3.06514	1.88661	2.26218	2.79579	3.06846	15.8651075	1.380947112	5.988E-05	0.158779	0.870011	0.312962	4.82696	5.0842512	18.33057
5815	490756.81	3859894.53	1.66296	5.04355	2.33321	4.62257	2.02153	3.39933	4.82852	5.04355	17.0634789	2.269827799	5.919E-05	0.239456	0.932229	0.470281	8.336489	8.35685495	20.95497
5816	490668.07	3859860.92	1.68386	4.73713	2.27485	4.91883	2.02584	3.16134	4.58571	4.73713	17.2779318	2.131924807	5.771E-05	0.254802	0.934217	0.437356	7.917275	7.84913569	21.10443
5817	490579.34	3859827.3	1.70553	4.62407	2.60794	4.61767	2.01599	2.75195	4.51734	4.62407	17.5002857	2.081042645	6.616E-05	0.239202	0.929675	0.380719	7.799233	7.66180216	21.26842
5818	490490.6	3859793.68	1.71946	4.31068	3.0185	4.00106	2.06528	2.40616	4.25301	4.31068	17.6432201	1.940002835	7.657E-05	0.20726	0.952405	0.33288	7.342865	7.14253403	21.27618
5819	490401.86	3859760.07	1.7342	4.2018	3.52254	3.54392	2.10407	2.31598	4.03886	4.2018	17.7944659	1.891001863	8.936E-05	0.18358	0.970293	0.320405	6.973133	6.96212651	21.17084
5820	490313.12	3859726.45	1.75002	4.24846	4.16329	3.39589	2.11364	2.23418	3.91756	4.24846	17.9567935	1.912000994	0.0001056	0.175912	0.974706	0.309088	6.763707	7.03943928	21.05287
5821	490224.39	3859692.83	1.75539	4.3365	4.85202	3.52444	2.08695	2.15703	3.95712	4.3365	18.0118945	1.951623014	0.0001231	0.182571	0.962398	0.298415	6.832008	7.1853162	21.05372
5822	490135.65	3859659.22	1.73715	4.3886	5.36799	3.37104	2.3631	2.09604	3.95414	4.3886	17.8247356	1.975070393	0.0001362	0.174625	1.089744	0.289977	6.826863	7.27164272	20.90951
5823	489918.18	3859559.23	1.76461	3.88567	8.16416	3.19867	3.49539	1.92564	3.22384	3.88567	18.1065001	1.748728928	0.0002071	0.165696	1.6119	0.266403	5.565992	6.43831836	21.02711
5824	489743.61	3859486	1.68406	3.09353	14.83819	3.14247	4.45563	1.69145	2.61164	3.09353	17.279984	1.392229757	0.0003764	0.162784	2.054715	0.234004	4.509023	5.12579066	20.50733
5825	489660.32	3859440.27	1.69747	3.07485	26.25861	3.1669	4.8269	1.72796	2.65239	3.07485	17.4175828	1.383822904	0.0006661	0.16405	2.225927	0.239055	4.579378	5.09483904	20.91564
5826	489577.04	3859394.53	1.71294	3.09412	12.59685	3.16829	5.16422	1.68426	2.67125	3.09412	17.576319	1.392495284	0.0003196	0.164122	2.381482	0.233009	4.61194	5.12676826	21.23292
5827	489493.75	3859348.8	1.72688	3.05209	8.73736	3.12402	5.43161	1.56771	2.65342	3.05209	17.7193561	1.373579865	0.0002216	0.161829	2.504789	0.216885	4.581157	5.05712711	21.50069
5828	489321.28	3859240.02	1.8645	3.48837	4.24801	3.21681	6.23755	1.48419	2.87598	3.48837	19.1314622	1.569925786	0.0001078	0.166635	2.876448	0.20533	4.965409	5.78001648	23.1353
5829	489235.41	3859193.96	1.90744	3.51467	3.98918	4.94759	7.33422	1.45055	2.93814	3.51467	19.5720655	1.581761987	0.0001012	0.256292	3.382178	0.200676	5.072728	5.82359397	24.24221
5830	489149.54	3859147.89	1.94369	3.32786	3.45395	6.26026	8.33432	1.47507	2.79743	3.32786	19.9440234	1.497688957	8.762E-05	0.32429	3.843375	0.204069	4.829791	5.51406119	25.12926
5831	489063.68	3859101.82	1.98877	3.32927	3.14028	3.91863	9.33972	1.48642	2.70842	3.32927	20.4065852	1.498323521	7.966E-05	0.202991	4.307015	0.205639	4.676115	5.51639747	25.78035
5832	488977.81	3859055.75	2.03794	3.33566	2.83983	3.46729	10.21	1.53663	2.62735	3.33566	20.911114	1.501199313	7.204E-05	0.17961	4.708359	0.212585	4.536146	5.52698532	26.5221
5833	488891.94	3859009.69	2.09182	3.19232	2.57225	3.22242	10.7271	1.6273	2.4751	3.19232	21.4639717	1.436689768	6.525E-05	0.166926	4.94682	0.225129	4.273285	5.28947967	27.22341
5834	488808	3859060.73	2.07615	1.69303	2.68182	2.91951	10.0962	1.68268	1.7348	1.69303	21.3031833	0.761940807	6.803E-05	0.151235	4.65588	0.232791	2.99515	2.80524752	27.295
5835	488809.93	3859157.85	2.02936	1.32791	1.80253	2.83836	9.00744	1.79399	1.36188	1.32791	20.8230754	0.597620135	4.573E-05	0.147031	4.153784	0.24819	2.3513	2.20026594	26.12078
5836	488811.85	3859254.96	1.98606	1.12109	1.62509	2.69712	7.8263	1.907	1.13112	1.12109	20.3787781	0.504541691	4.123E-05	0.139715	3.609101	0.263824	1.95289	1.8575778	24.99131
5837	488813.78	3859352.07	1.96053	1.0122	1.7368	2.44323	6.65914	2.41541	1.00428	1.0122	20.1168171	0.455536219	4.406E-05	0.126563	3.070865	0.33416	1.7339	1.67715371	24.16073
5838	488815.71	3859449.19	1.92229	0.96505	1.81224	2.14707	5.5921	2.22477	0.96244	0.96505	19.72444	0.434316566	4.597E-05	0.111221	2.578799	0.307786	1.661662	1.59902903	23.21924
5839	488910.04	3859547.1	1.80209	0.96144	2.68535	2.56208	5.90559	2.197	0.9631	0.96144	18.4910789	0.432691901	6.812E-05	0.132719	2.723365	0.303944	1.662802	1.59304748	22.15362
5840	489002.45	3859547.91	1.71231	1.02455	3.1081	3.16031	7.05548	1.96964	1.02703	1.02455	17.5698547	0.461094283	7.885E-05	0.163708	3.253637	0.27249	1.773178	1.6976169	21.79642
5841	489094.85	3859548.71	1.63793	1.09933	3.52646	4.2498	7.87968	1.99331	1.10223	1.09933	16.8066483	0.494748698	8.946E-05	0.220146	3.633717	0.275765	1.903011	1.82152281	21.5126
5842	489230.05	3859601.87	1.72642	1.14501	4.17867	4.86581	7.99063	1.83593	1.15212	1.14501	17.7146361	0.515306784	0.000106	0.252056	3.684882	0.253992	1.989147	1.89721178	22.51291
5843	489227.52	3859680.89	1.8341	0.97884	3.64459	5.0659	7.63762	1.7343	1.01842	0.97884	18.8195306	0.440522696	9.246E-05	0.262421	3.522091	0.239932	1.758312	1.62187822	23.42102
5844	489133.47	3859760.29	1.90881	0.77127	2.9427	5.43872	6.5017	1.76088	0.82499	0.77127	19.586123	0.347106718	7.465E-05	0.281733	2.998261	0.243609	1.424354	1.27794738	23.60331
5845	489041.96	3859760.67	1.88899	0.73072	2.90498	3.56298	5.53102	1.71268	0.75119	0.73072	19.3827518	0.328857366	7.369E-05	0.184567	2.550632	0.236941	1.296937	1.2107585	22.77
5846	488950.45	3859761.05	1.86449	0.69376	2.6139	2.79414	4.40803	1.6226	0.69325	0.69376	19.1313596	0.312223679	6.631E-05	0.14474	2.032765	0.224479	1.196903	1.14951804	21.89302
5847	488858.94	3859761.43	2.02612	0.66145	2.67631	2.23201	3.30055	1.53055	0.66072	0.66145	20.7898301	0.297682703	6.789E-05	0.115621	1.52205	0.211744	1.14074	1.09598234	22.98175
5848	488767.43	3859761.82	2.09855	0.62981	2.39186	1.77442	2.35943	1.47644	0.62876	0.62981	21.5330276	0.283443258	6.068E-05	0.091917	1.088052	0.204258	1.085561	1.04355678	23.24276
5849	488675.92	3859762.2	2.16298	0.60291	2.18729	1.5153	3.1147	1.46939	0.60164	0.60291	22.1941379	0.27133703	5.549E-05	0.078495	1.436345	0.203283	1.038738	0.99898512	24.22341
5850	488584.41	3859762.58	2.22147	0.59721	1.98751	1.38518	3.61471	1.64463	0.57581	0.59721	22.7942984	0.26877177	5.042E-05	0.071754	1.666925	0.227527	0.994142	0.98954057	25.03393
5851	488492.9	3859762.96	2.27858	0.60068	1.93991	1.27532	3.762	1.98519	0.55204	0.60068	23.3802988	0.270333428	4.921E-05	0.066063	1.734848	0.274641	0.953103	0.99529015	25.68405
5852	488402.76	3859830.95	2.33776	0.60327	1.74533	1.1971	3.43929	2.71855	0.47582	0.60327	23.9875393	0.271499047	4.428E-05	0.062011	1.58603	0.376098	0.821508	0.99958162	26.10515
5853	488404.14	3859898.55	2.36776	0.59555	1.63712	1.20599	3.29253	2.71232	0.48161	0.59555	24.2953665	0.268024694	4.153E-05	0.062472	1.518351	0.375236	0.831505	0.98679005	26.36421
5854	488505.18	3859964.96	2.08107	0.5806	1.71079	1.31006	3.46698	1.92772	0.52615	0.5806	21.3536669	0.261296511	4.34E-05	0.067863	1.598799	0.266691	0.908403	0.96201881	23.49474
5855	488604.84	3859963.76	1.94439	0.57096	1.79068	1.40429	3.45009	1.58996	0.50539	0.57096	19.9512061	0.256958071	4.543E-05	0.072744	1.59101	0.219963	0.872561	0.94604592	22.01844
5856	488704.51	3859962.56	1.88055	0.56553	1.93948	1.5081	3.05905	1.39145	0.49476	0.56553	19.2961497	0.254514323	4.92E-05	0.078122	1.410682	0.1925	0.854208	0.93704874	21.14918
5857	488804.18	3859961.37	1.82114	0.56565	1.93236	1.88279	2.37639	1.28274	0.52647	0.56565	18.6865492	0.254568329	4.902E-05	0.097531	1.095873	0.177461	0.908956	0.93724757	20.28374
5858	488903.85	3859960.17	1.75617	0.57176	2.16288	2.44226	2.45336	1.18377	0.56482	0.57176	18.0198981	0.257318108	5.487E-05	0.126512	1.131368	0.163769	0.975167	0.94737147	19.72672
5859	489003.52	3859958.97	1.6586	0.58267	1.80919	3.21295	3.47304	1.12899	0.60931	0.58267	17.0187413	0.262228106	4.59E-05	0.166435	1.601594	0.15619	1.05198	0.96544868	19.29177
5860	489103.18	3859957.77	1.49429	0.59953	2.22005	4.48993	4.56908	1.15374	0.66332	0.59953	15.3327716	0.269815876	5.632E-05	0.232585	2.107033	0.159614	1.145229	0.99338467	18.25372
5861	489201.48	3860046.59	1.45264	0.59724	2.13682	12.52462	4.92085	1.12562	0.67773	0.59724	14.9054048	0.268785271	5.421E-05	0.648793	2.269252	0.155724	1.170108	0.98959028	18.42853
5862	489200.11	3860136.61	1.62464	0.56902	2.252	12.48649	4.24025	1.10262	0.62458	0.56902	16.6702809	0.256084983	5.713E-05	0.646818	1.955393	0.152542	1.078344	0.94283146	19.81669
5863	489198.74	3860226.63	1.78236	0.68663	2.12347	13.94509	3.61028	1.05229	0.68695	0.68663	18.2886312	0.309014853	5.387E-05	0.722375	1.664882	0.145579	1.186026	1.13770406	21.17886
5864	489197.38	3860316.66	1.90794	0.7994	2.1701	13.6949	3.03127	0.95467	0.80148	0.7994	19.577196	0.359766502	5.505E-05	0.709415	1.397871	0.132074	1.383763	1.32455708	22.23558
5865	489196.01	3860406.68	2.01205	0.80578	2.0365	13.29332	2.52576	0.97944	0.81061	0.80578	20.6454591	0.362637794	5.166E-05	0.688613	1.164755	0.135501	1.399526	1.33512835	23.06141
5866	489194.64	3860496.7	2.10045	0.68567	1.70917	13.1978	2.07097	0.95979	0.69217	0.68567	21.5525233	0.308582809	4.336E-05	0.683664	0.955029	0.132782	1.195039	1.1361134	23.69155
5867	489193.27	3860586.72	2.18197	0.57898	1.70691	12.86364	1.6931	0.95771	0.57991	0.57898	22.3889925	0.260567437	4.33E-05	0.666355	0.780774	0.132494	1.00122	0.95933457	24.27111

5868	489092.02	3860678.13	2.36767	0.59448	1.49272	4.50368	1.44123	1.20861	0.59851	0.59448	24.294443	0.267543145	3.787E-05	0.233297	0.664624	0.167205	1.033334	0.98501713	25.67547
5869	488992.13	3860679.53	2.45601	0.57499	1.59948	3.03129	1.97779	1.32985	0.57928	0.57499	25.2008916	0.258771755	4.058E-05	0.157025	0.912059	0.183978	1.000133	0.95272339	26.76018
5870	488892.24	3860680.92	2.5516	0.55166	1.43617	2.09635	2.4413	1.47251	0.55625	0.55166	26.1817318	0.24827219	3.643E-05	0.108594	1.125806	0.203715	0.960371	0.914067	27.91446
5871	488792.36	3860682.31	2.64548	0.52705	1.23614	1.42189	2.7167	1.65193	0.53164	0.52705	27.1450258	0.237196566	3.136E-05	0.073656	1.252807	0.228536	0.917882	0.87328973	28.98185
5872	488692.48	3860683.7	2.71724	0.52155	1.20649	1.06962	2.75995	1.92645	0.53349	0.52155	27.8813485	0.234721315	3.061E-05	0.055408	1.272752	0.266515	0.921076	0.86417656	29.76767
5873	488592.59	3860685.09	2.76453	0.52441	1.16241	0.95391	2.56386	2.31905	0.53444	0.52441	28.3665868	0.236008446	2.949E-05	0.049414	1.182325	0.320829	0.922716	0.86891541	30.20899
5874	488492.71	3860686.49	2.80003	0.52895	1.15016	0.91641	2.23688	3.15162	0.53684	0.52895	28.730849	0.238051653	2.918E-05	0.047471	1.031538	0.436011	0.92686	0.87643791	30.53437
5875	488299.07	3860762.18	2.81639	0.55712	1.23344	0.86958	1.40574	2.2274	0.56012	0.55712	28.8987175	0.250729439	3.129E-05	0.045045	0.648258	0.30815	0.967053	0.92311388	30.19487
5876	488205.32	3860764.09	2.76127	0.56211	1.2192	0.8531	1.1399	2.37675	0.5605	0.56211	28.3331363	0.252975167	3.093E-05	0.044192	0.525665	0.328812	0.967709	0.93138201	29.52114
5877	488111.56	3860766	2.65716	0.56605	1.14703	0.83555	1.20801	2.88495	0.55941	0.56605	27.2648732	0.254748347	2.91E-05	0.043283	0.557074	0.399119	0.965827	0.93791035	28.54704
5878	488017.81	3860767.91	2.50313	0.56485	1.05378	0.84285	1.19752	3.43972	0.55298	0.56485	25.6843856	0.254208292	2.673E-05	0.043661	0.552237	0.475868	0.954726	0.93592202	27.02919
5879	487924.06	3860769.81	2.21334	0.55934	1.06326	0.8489	1.26292	2.68607	0.5429	0.55934	22.7108772	0.251728541	2.697E-05	0.043974	0.582396	0.371605	0.937322	0.92679229	23.97114
5880	487830.31	3860771.72	1.62759	0.5523	1.13917	0.85014	1.47499	2.21416	0.532	0.5523	16.7005506	0.248560219	2.89E-05	0.044038	0.680192	0.306318	0.918503	0.91512744	17.98306
5881	487736.55	3860773.63	1.31101	0.54516	1.12821	0.84531	1.89268	1.95891	0.52161	0.54516	13.4521524	0.245346893	2.862E-05	0.043788	0.87281	0.271006	0.900565	0.90329689	14.8824
5882	487642.8	3860775.54	1.18246	0.53986	1.04664	0.83538	2.49115	1.84213	0.51368	0.53986	12.1331128	0.242961651	2.655E-05	0.043274	1.148795	0.25485	0.886874	0.89451512	13.81538
5883	487549.48	3860684.71	1.16111	0.53044	0.7836	0.81674	3.00165	1.51258	0.50122	0.53044	11.9140424	0.238722221	1.988E-05	0.042308	1.384212	0.209258	0.865361	0.87890675	13.77502
5884	487549.91	3860591.97	1.24614	0.49392	0.72395	0.80216	3.04955	2.4916	0.46341	0.49392	12.7865274	0.222286553	1.837E-05	0.041553	1.406301	0.344701	0.800082	0.81839534	14.78307
5885	487550.34	3860499.23	1.34831	0.44154	0.90779	0.78716	3.10871	2.12036	0.41016	0.44154	13.8348843	0.198713162	2.303E-05	0.040776	1.433583	0.293341	0.708145	0.73160487	15.77786
5886	487550.76	3860406.49	1.46824	0.45107	1.0604	0.77431	3.17067	1.86715	0.4534	0.45107	15.0654749	0.203002097	2.69E-05	0.04011	1.462156	0.258311	0.7828	0.7473955	17.06449
5887	487551.19	3860313.75	1.59948	0.45404	1.03679	0.79115	3.21928	1.91629	0.45502	0.45404	16.4121164	0.204338732	2.63E-05	0.040983	1.484572	0.265109	0.785597	0.75231661	18.44043
5888	487551.62	3860221.01	1.72154	0.41788	0.9086	0.82049	3.26867	2.31074	0.41201	0.41788	17.6645628	0.188065081	2.305E-05	0.042503	1.507348	0.31968	0.711339	0.69240169	19.74112
5889	487552.05	3860128.27	1.84961	0.53839	0.96336	0.84527	3.33193	2.35959	0.54241	0.53839	18.9786773	0.242300084	2.444E-05	0.043786	1.536521	0.326438	0.936476	0.89207942	21.17214
5890	487552.48	3860035.53	1.98395	0.63438	1.23347	0.8868	3.38446	2.17063	0.63787	0.63438	20.3571276	0.285499967	3.129E-05	0.045937	1.560745	0.300296	1.101289	1.051129	22.5998
5891	487552.91	3859942.79	2.10552	0.6672	1.09579	0.92776	3.4058	2.16344	0.66945	0.6672	21.6045461	0.300270466	2.78E-05	0.048059	1.570586	0.299301	1.155812	1.10550973	23.87309
5892	487553.33	3859850.05	2.23223	0.62893	1.16862	0.96023	3.45237	2.1842	0.62965	0.62893	22.9047057	0.283047218	2.965E-05	0.049741	1.592062	0.302173	1.087097	1.04209868	25.17676
5893	487553.76	3859757.31	2.36203	0.57609	1.14766	0.94151	3.47562	2.36142	0.54284	0.57609	24.2365715	0.259266805	2.911E-05	0.048772	1.602783	0.326691	0.937219	0.95454602	26.45679
5894	487554.19	3859664.57	2.51211	0.60608	1.19394	0.87021	3.49341	2.4946	0.44362	0.60608	25.7765285	0.272763675	3.029E-05	0.045078	1.610987	0.345116	0.765914	1.00423762	27.81218
5895	487460.2	3859571.05	2.64946	0.61449	1.10565	0.97938	3.31105	2.70846	0.47081	0.61449	27.1858642	0.276548559	2.805E-05	0.050733	1.526892	0.374702	0.812858	1.01817248	29.20945
5896	487365.78	3859570.27	2.65411	0.59203	1.27864	0.97775	2.97972	2.84067	0.45701	0.59203	27.2335774	0.266440533	3.244E-05	0.050649	1.374099	0.392993	0.789032	0.98095763	29.12587
5897	487271.36	3859569.48	2.62269	0.56532	1.24614	0.98706	2.58675	3.09015	0.44382	0.56532	26.9111797	0.254419814	3.161E-05	0.051131	1.192881	0.427507	0.76626	0.93670078	28.66671
5898	487176.94	3859568.7	2.49382	0.53489	1.55514	0.99191	2.27409	3.35977	0.44223	0.53489	25.5888565	0.240724924	3.945E-05	0.051382	1.048697	0.464808	0.763515	0.88628013	27.27174
5899	487082.51	3859567.92	2.23931	0.50212	1.25202	0.99084	2.28562	3.02509	0.46444	0.50212	22.9773529	0.225976928	3.176E-05	0.051327	1.054014	0.418506	0.80186	0.83198224	24.69709
5900	486988.09	3859567.14	1.9192	0.48723	1.0309	0.97864	2.19844	2.38024	0.48624	0.48723	19.6927338	0.219275748	2.615E-05	0.050695	1.013811	0.329295	0.839498	0.80731041	21.33802
5901	486893.67	3859566.36	1.59635	0.50786	1.54349	0.95521	2.17156	2.01615	0.50706	0.50786	16.3799998	0.22856019	3.915E-05	0.049481	1.001416	0.278924	0.875444	0.84149307	17.97237
5902	486799.25	3859565.58	1.29697	0.52715	1.77439	0.93451	2.22537	2.17206	0.52655	0.52715	13.3080893	0.237241571	4.501E-05	0.048409	1.02623	0.300494	0.909094	0.87345542	14.95615
5903	486704.83	3859564.79	1.19787	0.54452	1.32895	0.95711	2.2042	1.95605	0.54419	0.54452	12.2912334	0.245058864	3.371E-05	0.04958	1.016468	0.27061	0.93955	0.90223645	13.9103
5904	486610.41	3859564.01	1.15901	0.55966	1.64315	0.97048	2.11236	1.32127	0.55955	0.55966	11.8924945	0.251872555	4.168E-05	0.050272	0.974116	0.182791	0.966069	0.92732251	13.39033
5905	486515.99	3859563.23	1.12314	0.57271	1.44072	0.96936	2.07913	1.25376	0.57293	0.57271	11.5244357	0.257745651	3.655E-05	0.050214	0.958792	0.173452	0.989169	0.94894556	13.0049
5906	486421.57	3859562.45	1.09047	0.58265	1.54162	0.96081	2.15416	1.214	0.58312	0.58265	11.1892119	0.262219105	3.911E-05	0.049771	0.993397	0.167951	1.006763	0.96541554	12.70393
5907	486327.14	3859561.67	1.06089	0.58932	1.51036	0.94574	2.17953	1.17814	0.59009	0.58932	10.8856942	0.26522091	3.831E-05	0.048991	1.005091	0.16299	1.018796	0.97646732	12.41035
5908	486232.72	3859560.89	1.03298	0.5934	1.46979	0.91922	2.14407	1.13971	0.59442	0.5934	10.5993123	0.267057096	3.729E-05	0.047617	0.988739	0.157673	1.026272	0.98322763	12.10348
5909	486138.3	3859560.1	1.00335	0.59414	1.66224	0.88876	2.05722	1.12535	0.59541	0.59414	10.2952816	0.26739013	4.217E-05	0.046039	0.948688	0.155687	1.027981	0.98445377	11.75665
5910	486043.88	3859559.32	0.97104	0.59186	1.57173	0.85404	1.9983	1.12051	0.59337	0.59186	9.96375169	0.266364026	3.987E-05	0.04424	0.921517	0.155017	1.024459	0.98067595	11.39471
5911	485949.35	3859463.54	0.97438	0.57393	1.28265	0.8194	2.66168	1.32486	0.57459	0.57393	9.99802312	0.258294707	3.254E-05	0.042446	1.227435	0.183288	0.992035	0.95096703	11.75059
5912	485949.24	3859368.55	0.99853	0.52186	1.17644	0.96917	2.99665	1.58006	0.52154	0.52186	10.245824	0.234860829	2.984E-05	0.050204	1.381906	0.218594	0.900444	0.86469021	12.16717
5913	485949.12	3859273.55	1.05308	0.44913	1.46301	1.07995	3.28785	1.67306	0.44816	0.44913	10.8055565	0.202129008	3.711E-05	0.055943	1.516193	0.23146	0.773753	0.74418104	12.84089
5914	485949.01	3859178.56	1.19522	0.3915	1.57066	1.06682	3.51984	1.6122	0.37848	0.3915	12.264042	0.176192877	3.984E-05	0.055263	1.623175	0.22304	0.65345	0.64869164	14.34651
5915	485948.9	3859083.56	1.26632	0.40624	1.5104	0.93741	3.7046	1.40671	0.38633	0.40624	12.9935925	0.18282655	3.832E-05	0.048559	1.708378	0.194611	0.667003	0.67311492	15.12189
5916	485948.79	3858988.56	1.29041	0.41929	1.76838	0.80686	3.81474	1.40212	0.38881	0.41929	13.2407777	0.188699646	4.486E-05	0.041796	1.759169	0.193976	0.671284	0.69473797	15.40101
5917	485948.67	3858893.57	1.30154	0.43166	1.5755	0.73006	3.85766	1.50299	0.38689	0.43166	13.3549816	0.194266711	3.997E-05	0.037818	1.778961	0.207931	0.66797	0.71523431	15.52673
5918	485948.56	3858798.57	1.30918	0.44701	1.52265	0.7046	3.85173	1.58443	0.38307	0.44701	13.433375	0.201174911	3.863E-05	0.036499	1.776227	0.219198	0.661374	0.74066833	15.58722
5919	485948.45	3858703.58	1.31428	0.46162	1.87897	0.68653	3.73272	1.64784	0.37433	0.46162	13.4857056	0.207750079	4.767E-05	0.035563	1.721345	0.227971	0.646285	0.7648762	15.55979
5920	485948.34	3858608.58	1.31803	0.4826	1.70247	0.6968	3.55779	1.73961	0.36658	0.4826	13.524184	0.217192037	4.319E-05	0.036095	1.640676	0.240667	0.632904	0.79963879	15.49212
5921	485948.22	3858513.59	1.32104	0.50772	1.87862	0.76547	3.5979	1.94684	0.35963	0.50772	13.5550693	0.228497184	4.766E-05	0.039652	1.659173	0.269336	0.620905	0.8412611	15.53142
5922	485948.11	3858418.59	1.35752	0.54053	2.11423	0.86668	3.68126	2.2975	0.36233	0.54053	13.9293873	0.243263182	5.363E-05	0.044895	1.697614	0.317848	0.625566	0.89562527	15.963
5923	485948	3858323.59	1.40657	0.60398	2.22756	0.99028	4.03786	2.82762	0.35612	0.60398	14.4326848	0.271818579	5.651E-05	0.051298	1.862061	0.391187	0.614845	1.00075805	16.62319
5924	485947.89	3858228.6	1.46467	0.66875	2.14941	1.08834	4.60695	3.06955	0.35881	0.66875	15.0288435	0.300968037	5.453E-05	0.056378	2.124497	0.424657	0.619489	1.10807799	17.44681

5925	485947.77	3858133.6	1.54979	0.73651	1.79074	1.13208	5.11143	3.1829	0.37316	0.73651	15.902252	0.331463131	4.543E-05	0.058643	2.357138	0.440339	0.644265	1.22035218	18.51379
5926	485947.66	3858038.61	1.72165	0.82297	1.11204	1.13944	5.50329	3.62842	0.38422	0.82297	17.6656915	0.370374079	2.821E-05	0.059025	2.537844	0.501974	0.66336	1.36361113	20.43469
5927	485854.54	3857943.35	1.69157	0.82388	1.44608	1.08039	5.2351	3.68771	0.37965	0.82388	17.3570434	0.37078362	3.668E-05	0.055966	2.414168	0.510177	0.65547	1.36511895	19.99852
5928	485761.52	3857943.09	1.61673	0.74452	1.5897	1.05474	4.84776	3.31477	0.3716	0.74452	16.5891171	0.335067996	4.033E-05	0.054637	2.235546	0.458582	0.641571	1.23362426	19.08094
5929	485668.51	3857942.83	1.60705	0.68101	1.85034	1.03416	4.51372	3.03263	0.36478	0.68101	16.4897915	0.306485596	4.694E-05	0.053571	2.081504	0.41955	0.629796	1.12839206	18.85235
5930	485575.5	3857942.56	1.59076	0.65138	2.02962	1.00959	4.46719	2.79651	0.35809	0.65138	16.3226413	0.293150743	5.149E-05	0.052298	2.060046	0.386883	0.618246	1.07929696	18.65402
5931	485482.48	3857942.3	1.56353	0.62689	2.0935	0.98986	4.42741	2.6084	0.35142	0.62689	16.0432368	0.282129125	5.311E-05	0.051276	2.041702	0.360859	0.60673	1.03871852	18.34727
5932	485389.47	3857942.04	1.52307	0.60402	1.9181	0.97008	4.37072	2.44905	0.34495	0.60402	15.6280805	0.271836581	4.866E-05	0.050251	2.015559	0.338814	0.59556	1.00082433	17.89933
5933	485296.46	3857941.78	1.47709	0.58299	1.61147	0.95103	4.37193	2.31298	0.33867	0.58299	15.156284	0.262372121	4.088E-05	0.049265	2.016117	0.319989	0.584717	0.9659789	17.42281
5934	485203.45	3857941.52	1.43792	0.56464	1.34344	0.93528	4.41529	2.1957	0.33361	0.56464	14.7543642	0.254113783	3.408E-05	0.048449	2.036113	0.303764	0.575981	0.93557407	17.03724
5935	485110.43	3857941.26	1.40558	0.55897	1.2198	0.91655	4.43008	2.09203	0.32709	0.55897	14.4225265	0.251562024	3.094E-05	0.047479	2.042933	0.289422	0.564724	0.92617922	16.6925
5936	485017.42	3857940.99	1.37499	0.55717	1.22522	0.89724	4.42915	2.00014	0.31959	0.55717	14.1086453	0.250751942	3.108E-05	0.046478	2.042504	0.27671	0.551775	0.92319673	16.3537
5937	484924.41	3857940.73	1.3405	0.54844	1.26528	0.87882	4.42299	1.91761	0.3114	0.54844	13.7547466	0.246823043	3.21E-05	0.045524	2.039663	0.265292	0.537635	0.90873165	15.98098
5938	484831.39	3857940.47	1.29933	0.53106	1.28808	0.86252	4.42208	1.84353	0.30321	0.53106	13.332305	0.239001249	3.268E-05	0.04468	2.039244	0.255043	0.523495	0.87993405	15.55387
5939	484738.12	3857859.3	1.32157	0.53111	1.61175	0.83447	4.61611	1.69026	0.30803	0.53111	13.5605076	0.239023752	4.089E-05	0.043227	2.128721	0.233839	0.531817	0.8800169	15.85716
5940	484737.85	3857778.4	1.39686	0.55945	1.86215	0.82364	4.70108	1.50562	0.31761	0.55945	14.3330514	0.251778046	4.724E-05	0.042666	2.167905	0.208295	0.548357	0.92697455	16.62512
5941	484737.59	3857697.49	1.47457	0.58666	1.89616	0.8103	4.78519	1.29339	0.32241	0.58666	15.1304265	0.264023788	4.81E-05	0.041975	2.206692	0.178934	0.556644	0.97205986	17.40668
5942	484737.32	3857616.59	1.55642	0.61095	1.68755	0.79138	4.73259	1.2795	0.32222	0.61095	15.9702818	0.274955397	4.281E-05	0.040995	2.182436	0.177013	0.556316	1.01230691	18.18973
5943	484645.53	3857535.18	1.61215	0.61201	1.48093	0.75939	4.26699	1.17025	0.31659	0.61201	16.5421221	0.275432446	3.757E-05	0.039337	1.967724	0.161898	0.546596	1.01406327	18.51908
5944	484553.99	3857534.67	1.57152	0.58072	1.56472	0.74943	4.06847	1.15984	0.31493	0.58072	16.1252215	0.261350517	3.969E-05	0.038822	1.876176	0.160458	0.54373	0.96221765	18.04358
5945	484462.46	3857534.17	1.52291	0.53939	1.54159	0.74132	3.88504	1.14418	0.31308	0.53939	15.6264388	0.24275013	3.911E-05	0.038401	1.791588	0.158292	0.540536	0.89373635	17.50431
5946	484370.93	3857533.66	1.45974	0.49531	1.4411	0.73248	3.69738	1.12494	0.31082	0.49531	14.9782572	0.222912117	3.656E-05	0.037943	1.705048	0.15563	0.536634	0.82069848	16.81576
5947	484279.4	3857533.16	1.36671	0.48218	1.30787	0.72407	3.51566	1.10904	0.3084	0.48218	14.023685	0.217003017	3.318E-05	0.037508	1.621248	0.15343	0.532456	0.79894287	15.78642
5948	484187.86	3857532.65	1.20779	0.46946	1.49944	0.71501	3.33218	1.08931	0.30543	0.46946	12.3930216	0.211278437	3.804E-05	0.037039	1.536636	0.150701	0.527328	0.77786661	14.07817
5949	484096.33	3857532.15	1.14664	0.45796	1.71577	0.70714	3.16234	1.07662	0.30243	0.45796	11.7655671	0.206102911	4.353E-05	0.036631	1.458314	0.148945	0.522148	0.75881181	13.37894
5950	484004.8	3857531.64	1.14322	0.44643	1.35471	0.69779	2.98511	1.05175	0.29825	0.44643	11.7304748	0.200913885	3.437E-05	0.036146	1.376585	0.145504	0.514932	0.7397073	13.26488
5951	483913.27	3857531.14	1.11176	0.43496	1.59698	0.68713	2.80331	1.01174	0.29267	0.43496	11.4076666	0.195751861	4.051E-05	0.035594	1.292747	0.139969	0.505298	0.72070221	12.85637
5952	483821.73	3857530.63	1.06437	0.42472	1.44875	0.67811	2.66987	0.98252	0.28693	0.42472	10.9214022	0.191143394	3.675E-05	0.035127	1.231212	0.135927	0.495388	0.70373515	12.3065
5953	483729.61	3857450.11	1.04834	0.41449	1.58543	0.65709	2.45756	0.96992	0.2905	0.41449	10.7569198	0.186539426	4.022E-05	0.034038	1.133305	0.134184	0.501551	0.68678467	12.05979
5954	483729.03	3857370.08	1.12258	0.42235	1.64537	0.64313	2.36842	0.95104	0.29545	0.42235	11.5186896	0.190076785	4.174E-05	0.033315	1.092198	0.131572	0.510097	0.69980821	12.77618
5955	483728.44	3857290.06	1.32361	0.43796	1.46186	0.62486	3.01101	0.87045	0.29434	0.43796	13.5814399	0.197101998	3.708E-05	0.032369	1.388528	0.120422	0.508181	0.72567303	15.10241
5956	483727.86	3857210.03	1.4924	0.45271	1.60156	0.60578	3.67704	0.77656	0.2889	0.45271	15.3133785	0.203740172	4.063E-05	0.03138	1.695668	0.107433	0.498789	0.75011288	17.10032
5957	483641.15	3857129.07	1.51368	0.44972	1.59077	0.58503	4.22583	0.7055	0.2817	0.44972	15.5317306	0.202394535	4.035E-05	0.030305	1.948743	0.097602	0.486358	0.74515863	17.55202
5958	483555.03	3857128.14	1.44549	0.40722	2.07559	0.58037	4.12006	0.71323	0.2834	0.40722	14.8320393	0.183267595	5.265E-05	0.030064	1.899967	0.098672	0.489293	0.67473872	16.85862
5959	483468.91	3857127.2	1.38503	0.38942	2.44152	0.57329	3.99194	0.71952	0.2845	0.38942	14.2116648	0.175256782	6.194E-05	0.029697	1.840885	0.099542	0.491192	0.64524521	16.20305
5960	483382.78	3857126.26	1.33215	0.38186	2.59312	0.57031	3.90879	0.73082	0.28581	0.38186	13.669068	0.171854437	6.578E-05	0.029543	1.80254	0.101105	0.493454	0.63271875	15.63491
5961	483296.66	3857125.32	1.28448	0.37431	2.41893	0.56558	3.81034	0.73901	0.28641	0.37431	13.1799306	0.168456592	6.136E-05	0.029298	1.75714	0.102238	0.49449	0.62020886	15.11141
5962	483210.54	3857124.39	1.23875	0.36688	2.05157	0.56019	3.70769	0.74459	0.2864	0.36688	12.7106993	0.165112753	5.204E-05	0.029019	1.709803	0.10301	0.494473	0.6078978	14.60427
5963	483123.4	3857030.96	1.29411	0.3626	1.48455	0.53957	4.15738	0.66814	0.28182	0.3626	13.2787431	0.163186557	3.766E-05	0.02795	1.917177	0.092434	0.486565	0.6008061	15.36529
5964	483122.38	3856938.46	1.52241	0.3679	1.37537	0.52813	4.56635	0.61891	0.27259	0.3679	15.6213083	0.165571799	3.489E-05	0.027358	2.105774	0.085623	0.470629	0.60958788	17.86671
5965	483121.35	3856845.97	1.68382	0.3764	1.52098	0.51995	4.76439	0.62802	0.26498	0.3764	17.2775214	0.169397187	3.858E-05	0.026934	2.1971	0.086883	0.457491	0.62367186	19.59169
5966	483120.33	3856753.47	1.75453	0.3878	1.75085	0.5133	4.68778	0.63644	0.27567	0.3878	18.0030702	0.174527708	4.442E-05	0.02659	2.161771	0.088048	0.475947	0.64256096	20.28744
5967	483119.31	3856660.98	1.77987	0.40082	1.60288	0.53204	4.39293	0.65444	0.27621	0.40082	18.2630816	0.180387302	4.066E-05	0.02756	2.025801	0.090539	0.476879	0.66413431	20.40015
5968	483118.29	3856568.49	1.79628	0.41599	1.70212	0.53439	3.94193	0.67274	0.2678	0.41599	18.4314631	0.187214495	4.318E-05	0.027682	1.817822	0.09307	0.462359	0.68927008	20.33038
5969	483117.26	3856475.99	1.79314	0.43306	1.89921	0.51785	3.3811	0.69331	0.25217	0.43306	18.3992438	0.194896774	4.818E-05	0.026825	1.559195	0.095916	0.435374	0.71755403	19.99395
5970	483116.24	3856383.5	1.81486	0.45096	2.04392	0.48877	2.84238	0.71865	0.24745	0.45096	18.6221107	0.202952592	5.185E-05	0.025319	1.310765	0.099422	0.427225	0.74721323	19.94063
5971	483115.22	3856291.01	1.89609	0.47021	1.84215	0.48609	2.67859	0.74764	0.2524	0.47021	19.4556042	0.211615971	4.673E-05	0.02518	1.235233	0.103432	0.435771	0.77910931	20.68777
5972	483114.2	3856198.51	1.98595	0.48953	1.80266	0.48424	2.78567	0.78198	0.25736	0.48953	20.3776494	0.220310853	4.573E-05	0.025084	1.284613	0.108183	0.444335	0.81112137	21.6491
5973	483113.17	3856106.02	2.0198	0.51251	1.69975	0.48871	3.10558	0.82129	0.26537	0.51251	20.7249811	0.230652902	4.312E-05	0.025316	1.432139	0.113621	0.458164	0.84919783	22.13572
5974	483112.15	3856013.52	1.98637	0.53318	1.71235	0.49266	3.13819	0.86886	0.27217	0.53318	20.381959	0.239955346	4.344E-05	0.02552	1.447177	0.120203	0.469904	0.88344676	21.80132
5975	483029.25	3855920.47	1.90926	0.53509	1.76273	0.49237	2.9399	0.87822	0.27575	0.53509	19.5907404	0.240814933	4.472E-05	0.025505	1.355736	0.121497	0.476085	0.88661152	20.92381
5976	482947.37	3855919.91	1.83879	0.51539	2.31468	0.48484	2.99273	0.83804	0.27102	0.51539	18.8676542	0.231949034	5.872E-05	0.025115	1.380099	0.115939	0.467919	0.85396982	20.23476
5977	482865.49	3855919.36	1.74777	0.49648	1.75531	0.47675	3.02572	0.80295	0.26595	0.49648	17.9337064	0.22343867	4.453E-05	0.024696	1.395312	0.111084	0.459165	0.8226371	19.32481
5978	482783.61	3855918.8	1.66553	0.48087	2.0331	0.47096	3.05643	0.77068	0.26233	0.48087	17.0898494	0.216413458	5.158E-05	0.024396	1.409474	0.10662	0.452915	0.79677228	18.50295
5979	482700.33	3855818.39	1.68901	0.48156	2.25356	0.46893	2.79744	0.77544	0.26456	0.48156	17.3307755	0.216723989	5.717E-05	0.024291	1.29004	0.107278	0.456766	0.79791557	18.62802
5980	482698.92	3855718.54	1.99066	0.50071	2.06789	0.47552	2.27193	0.78395	0.27207	0.50071	20.4259783	0.225342363	5.246E-05	0.024633	1.047701	0.108456	0.469732	0.82964595	21.47225
5981	482697.52	3855618.68	1.96917	0.56608	2.38311	0.47875	1.61914	0.77943	0.30656	0.56608	20.2054714	0.254761848	6.045E-05	0.0248	0.746667	0.10783	0.529279	0.93796006	20.93091

5982	482696.11	3855518.83	1.92982	0.66917	2.37171	0.48398	1.42226	0.89382	0.35168	0.66917
5983	482694.71	3855418.98	1.88599	0.71855	2.50137	0.48535	1.42733	0.95023	0.37654	0.71855
5984	482693.3	3855319.13	1.84101	0.7315	2.65237	0.48774	1.54161	0.98096	0.38532	0.7315
5985	482691.9	3855219.27	1.79493	0.72208	3.62004	0.49392	1.53083	0.99185	0.38261	0.72208
5986	482690.49	3855119.42	1.74693	0.76359	4.05895	0.50036	1.64825	0.91506	0.36369	0.76359
5987	482689.09	3855019.57	1.69683	0.99519	3.77996	0.52011	1.6358	1.04811	0.33882	0.99519
5988	482687.68	3854919.71	1.64024	1.13358	2.74185	0.56206	1.48088	1.39284	0.37216	1.13358
5989	482686.28	3854819.86	1.57194	1.19979	2.84988	0.65569	1.23377	2.62913	0.43746	1.19979
5990	482684.88	3854720.01	1.48942	1.24556	3.90081	0.77319	1.36323	3.9006	0.50667	1.24556
5991	482683.47	3854620.16	1.38917	1.34222	3.93987	0.8564	1.64697	3.09594	0.56431	1.34222
5992	482682.07	3854520.31	1.28667	1.41326	4.15305	0.87431	1.82819	4.13491	0.60573	1.41326
5993	482680.66	3854420.45	1.25869	1.6289	4.34592	0.8712	1.87646	4.85363	0.65269	1.6289
5994	482679.26	3854320.6	1.30709	1.37021	2.32037	0.90048	1.78389	5.36573	0.72745	1.37021
5995	482677.85	3854220.75	1.3595	1.92625	1.1269	1.00383	1.74537	5.81094	0.88144	1.92625
5996	482676.45	3854120.9	1.39363	1.70011	0.91699	1.08143	1.98526	5.64461	1.0192	1.70011
5997	482675.04	3854021.04	1.42611	1.67322	1.04359	1.17038	2.12209	6.21801	0.93429	1.67322
5998	482673.64	3853921.19	1.43521	1.5948	1.22285	1.02598	2.12636	4.78325	1.04932	1.5948
5999	482672.23	3853821.34	1.48055	1.47165	1.1927	1.43261	2.0181	2.9045	1.62621	1.47165
6000	482670.83	3853721.48	1.50074	1.40639	0.99235	2.08974	1.80643	2.07051	1.45373	1.40639
6001	482669.42	3853621.63	1.51169	1.3997	0.7682	2.0283	1.52715	1.60994	1.37835	1.3997
6002	482645.99	3853446.13	1.49722	1.46358	0.88369	1.36939	1.04043	1.32589	1.42566	1.46358
6003	482623.96	3853370.48	1.47241	1.49415	0.89105	1.19751	0.86736	1.29138	1.47887	1.49415
6004	482601.94	3853294.84	1.4323	1.57826	0.89367	1.07663	0.83935	1.24275	1.49275	1.57826
6005	482531.29	3853133.44	1.34495	1.7806	0.73043	0.93942	0.98441	1.11735	1.82781	1.7806
6006	482482.68	3853047.69	1.3104	1.99243	0.67873	0.8774	1.03231	0.98336	2.02213	1.99243
6007	482383.08	3852897.4	1.25031	2.51913	0.74933	0.7571	1.07107	0.65181	2.55444	2.51913
6008	482265.64	3852765.26	1.19018	2.61286	0.85218	0.68583	1.06556	0.62409	2.65323	2.61286
6009	482199.16	3852697.66	1.16682	2.57572	0.91903	0.65974	1.05702	0.61425	2.61389	2.57572
6010	482132.69	3852630.07	1.1491	2.50318	0.98162	0.63562	1.04857	0.60457	2.54187	2.50318
6011	482066.21	3852562.48	1.13332	2.46282	1.04762	0.61211	1.03888	0.5945	2.5018	2.46282
6012	481999.74	3852494.89	1.11849	2.39213	1.11243	0.58813	1.02796	0.58405	2.42848	2.39213
6013	481933.26	3852427.29	1.10532	2.2435	1.16467	0.56513	1.01663	0.57376	2.27935	2.2435
6014	481866.79	3852359.7	1.09388	2.22638	1.19052	0.54499	1.00607	0.56437	2.2621	2.22638
6015	481800.31	3852292.11	1.08434	2.14102	1.20112	0.52565	0.99536	0.55508	2.1743	2.14102
6016	481733.84	3852224.52	1.07471	2.08283	1.19936	0.50645	0.98384	0.54572	2.11613	2.08283
6017	481667.36	3852156.92	1.06779	2.07058	1.17821	0.48875	0.9726	0.53974	2.10432	2.07058
6018	481600.89	3852089.33	1.05573	1.9626	1.15358	0.46969	0.95869	0.54461	1.99501	1.9626
6019	481534.41	3852021.74	1.04263	1.87324	1.11758	0.45111	0.94424	0.53796	1.90566	1.87324
6020	481467.94	3851954.15	1.03113	1.77442	1.06842	0.43383	0.93013	0.52737	1.80345	1.77442
6021	481401.46	3851886.55	1.02399	1.70569	1.00596	0.41889	0.91691	0.5176	1.72531	1.70569
6022	481265.87	3851761.43	0.98006	1.95467	0.85745	0.40648	0.89079	0.48979	1.97099	1.95467
6023	481196.74	3851703.89	0.95994	2.13432	0.76455	0.40322	0.87996	0.48369	2.14846	2.13432
6024	481076.33	3851619.04	0.91969	2.39698	0.5876	0.41133	0.86369	0.47521	2.40988	2.39698
6025	480939.8	3851549.07	0.88552	2.53302	0.37043	0.45239	0.84712	0.46711	2.54937	2.53302
6026	480854.56	3851506.41	0.86736	2.52906	0.26374	0.47786	0.8333	0.46434	2.5559	2.52906
6027	480769.32	3851463.75	0.85155	2.54831	0.1792	0.50262	0.81763	0.46237	2.5833	2.54831
6028	480684.08	3851421.08	0.8358	2.57745	0.17964	0.52629	0.79986	0.46461	2.62057	2.57745
6029	480598.84	3851378.42	0.81688	2.54341	0.17776	0.54641	0.77977	0.47153	2.5943	2.54341
6030	480435.71	3851275.01	0.78905	2.88698	0.16849	0.56307	0.74726	0.48521	2.96405	2.88698
6031	480347.85	3851232.36	0.76423	2.86777	0.16056	0.57963	0.72372	0.49893	2.95697	2.86777
6032	480260	3851189.72	0.74239	2.81922	0.15836	0.59315	0.69893	0.5144	2.91521	2.81922
6033	480172.15	3851147.07	0.72092	2.78612	0.16311	0.60322	0.67329	0.52952	2.88887	2.78612
6034	480084.29	3851104.42	0.69982	2.78477	0.16811	0.6097	0.64703	0.54335	2.89523	2.78477
6035	479996.44	3851061.77	0.67903	2.79751	0.17338	0.61241	0.62022	0.55488	2.91333	2.79751
6036	479908.58	3851019.13	0.66257	2.94667	0.17683	0.61626	0.60601	0.55774	3.07373	2.94667
6037	479820.73	3850976.48	0.6403	2.94942	0.18347	0.6101	0.59791	0.56242	3.07701	2.94942
6038	479732.88	3850933.83	0.61943	2.93313	0.1912	0.59935	0.58935	0.56076	3.05797	2.93313

19.8017047	0.301157056	6.017E-05	0.025071	0.655876	0.123656	0.607179	1.1087739	20.40593
19.3519691	0.323380311	6.345E-05	0.025142	0.658214	0.13146	0.6501	1.19059356	19.94973
18.8904335	0.329208402	6.728E-05	0.025266	0.710914	0.135711	0.665259	1.21205092	19.54481
18.4176108	0.324968972	9.183E-05	0.025586	0.705943	0.137218	0.66058	1.19644255	19.07556
17.9250873	0.343650367	0.000103	0.025919	0.760091	0.126594	0.627914	1.26522209	18.54414
17.4110158	0.447880942	9.589E-05	0.026942	0.75435	0.145001	0.584976	1.64896917	17.72129
16.830351	0.510162762	6.955E-05	0.029115	0.682908	0.192693	0.642538	1.87827297	17.00956
16.1295311	0.539960285	7.23E-05	0.033966	0.568953	0.363727	0.755279	1.9879789	16.40351
15.282801	0.560558875	9.896E-05	0.040052	0.628654	0.539629	0.874771	2.063817	15.86275
14.254145	0.604060289	9.995E-05	0.044363	0.759501	0.428308	0.974287	2.22397673	14.84079
13.202402	0.636031532	0.0001054	0.04529	0.84307	0.572045	1.045799	2.34168568	14.00306
12.9153018	0.733079379	0.0001102	0.045129	0.86533	0.671476	1.126876	2.69898802	13.65831
13.4119297	0.616657067	5.886E-05	0.046646	0.822642	0.742322	1.25595	2.27035446	14.62585
13.9497038	0.866900457	2.859E-05	0.052	0.804878	0.803915	1.521815	3.19167885	14.80756
14.2999086	0.765127131	2.326E-05	0.05602	0.915503	0.780904	1.759659	2.81697865	15.76017
14.6331829	0.753025403	2.647E-05	0.060627	0.978603	0.860231	1.613061	2.77242356	16.12633
14.7265572	0.717732822	3.102E-05	0.053147	0.980572	0.661739	1.811662	2.6424864	16.30895
15.1917867	0.662309699	3.026E-05	0.074211	0.930648	0.401823	2.807668	2.43843435	17.63004
15.3989544	0.632939719	2.517E-05	0.108251	0.833036	0.286445	2.50988	2.33030251	17.43923
15.5113114	0.629928913	1.949E-05	0.105069	0.704246	0.222727	2.379735	2.31921759	17.23382
15.362836	0.65867783	2.242E-05	0.070936	0.479795	0.18343	2.461416	2.42506286	16.79205
15.1082629	0.672435726	2.26E-05	0.062033	0.399983	0.178656	2.553284	2.47571548	16.49896
14.6966979	0.710289067	2.267E-05	0.055771	0.387067	0.171928	2.577248	2.61508063	15.98394
13.8004076	0.801351306	1.853E-05	0.048663	0.453961	0.15458	3.155732	2.95034567	15.46437
13.4458933	0.896684479	1.722E-05	0.045451	0.47605	0.136043	3.491228	3.30133507	15.19003
12.8293154	1.133723529	1.901E-05	0.039219	0.493924	0.090175	4.410267	4.17404487	14.8226
12.212327	1.175906309	2.162E-05	0.035527	0.491383	0.08634	4.580828	4.32934977	14.25298
11.9726322	1.159191613	2.331E-05	0.034175	0.487445	0.084978	4.512908	4.26781105	13.98354
11.7908089	1.1265453	2.49E-05	0.032926	0.483548	0.083639	4.388564	4.14761669	13.75844
11.6288918	1.108381458	2.658E-05	0.031708	0.47908	0.082246	4.319383	4.08074263	13.56897
11.4767225	1.07656773	2.822E-05	0.030466	0.474044	0.0808	4.192795	3.96361361	13.36781
11.3415864	1.009677443	2.955E-05	0.029275	0.468819	0.079377	3.935321	3.71734276	13.14674
11.2242016	1.001972661	3.02E-05	0.028231	0.46395	0.078078	3.905539	3.68897596	13.01303
11.1263125	0.963556763	3.047E-05	0.027229	0.459011	0.076793	3.753951	3.54753965	12.85934
11.0275	0.937368606	3.043E-05	0.026235	0.453698	0.075498	3.65352	3.45112236	12.72273
10.9564945	0.931855547	2.989E-05	0.025318	0.448515	0.07467	3.63313	3.43082486	12.63919
10.832748	0.883259616	2.926E-05	0.024331	0.4421	0.075344	3.444405	3.25190858	12.45031
10.6983301	0.843043536	2.835E-05	0.023368	0.435437	0.074424	3.290141	3.10384451	12.26093
10.5803296	0.798570024	2.71E-05	0.022473	0.42893	0.072959	3.113675	2.94010579	12.07686
10.5070667	0.767638385	2.552E-05	0.021699	0.422833	0.071607	2.978765	2.82622437	11.94341
10.0563051	0.879690754	2.175E-05	0.021056	0.410788	0.06776	3.402934	3.23876906	11.59979
9.84985562	0.960541458	1.939E-05	0.020887	0.405794	0.066916	3.709338	3.53643816	11.47691
9.43685409	1.078750451	1.491E-05	0.021307	0.398291	0.065743	4.160682	3.97164977	11.18999
9.08623888	1.139974663	9.397E-06	0.023434	0.39065	0.064622	4.401513	4.19705976	10.90938
8.89990079	1.138192482	6.691E-06	0.024754	0.384277	0.064239	4.412787	4.19049828	10.73366
8.73767585	1.146855861	4.546E-06	0.026036	0.37705	0.063967	4.460094	4.22239435	10.58929
8.57606655	1.159970192	4.557E-06	0.027263	0.368856	0.064277	4.524441	4.27067756	10.4502
8.38193018	1.144650637	4.509E-06	0.028305	0.359591	0.065234	4.479085	4.21427535	10.24453
8.09636912	1.299272826	4.274E-06	0.029168	0.344599	0.067126	5.117462	4.7835499	10.17045
7.8416934	1.290627448	4.073E-06	0.030026	0.333744	0.069025	5.105239	4.7517201	9.918637
7.61759518	1.268777732	4.017E-06	0.030726	0.322312	0.071165	5.03314	4.67127571	9.672443
7.39729349	1.25388122	4.138E-06	0.031248	0.310488	0.073257	4.987663	4.61643103	9.437403
7.18078834	1.253273658	4.265E-06	0.031583	0.298378	0.07517	4.998644	4.61419416	9.223647
6.96746407	1.25900724	4.398E-06	0.031724	0.286015	0.076765	5.029894	4.63530356	9.015569
6.79856953	1.326136051	4.486E-06	0.031923	0.279462	0.077161	5.306826	4.88245259	8.937629
6.57005912	1.327373677	4.654E-06	0.031604	0.275726	0.077808	5.312489	4.88700918	8.708056
6.35591398	1.320042433	4.85E-06	0.031047	0.271779	0.077578	5.279616	4.86001764	8.475964

6039	479645.02	3850891.18	0.60088	2.93062	0.20049	0.58406	0.58071	0.55144	3.05096	2.93062
6040	479557.17	3850848.54	0.60378	2.91251	0.21187	0.56304	0.57208	0.53379	3.02921	2.91251
6041	479469.32	3850805.89	0.59317	2.95524	0.22225	0.54271	0.56265	0.50481	3.07165	2.95524
6042	479381.46	3850763.24	0.60246	2.89439	0.23741	0.51444	0.55396	0.47114	3.00663	2.89439
6043	479293.61	3850720.59	0.6401	2.76709	0.25628	0.48109	0.54575	0.43284	2.87317	2.76709
6044	479205.76	3850677.95	0.65391	2.69069	0.27527	0.44818	0.5373	0.39003	2.79292	2.69069
6045	479117.9	3850635.3	0.66953	2.56408	0.29597	0.41725	0.52643	0.34663	2.64978	2.56408
6046	479030.05	3850592.65	0.67845	2.49615	0.31532	0.38791	0.51502	0.30297	2.57199	2.49615
6047	478942.19	3850550	0.68365	2.53231	0.3296	0.36028	0.50825	0.25724	2.60928	2.53231
6048	478854.34	3850507.36	0.66917	2.79457	0.33754	0.33518	0.49533	0.23309	2.87591	2.79457
6049	478766.49	3850464.71	0.61577	2.85419	0.35162	0.30549	0.48463	0.22147	2.93231	2.85419
6050	478678.63	3850422.06	0.54806	2.85903	0.36691	0.2764	0.47433	0.20933	2.9339	2.85903
6051	478590.78	3850379.41	0.53984	2.88278	0.38055	0.25862	0.46387	0.20883	2.95535	2.88278
6052	478502.93	3850336.77	0.54298	2.87007	0.39426	0.25248	0.45351	0.20909	2.93921	2.87007
6053	478415.07	3850294.12	0.54431	2.83888	0.40668	0.24612	0.44342	0.20927	2.90228	2.83888
6054	478327.22	3850251.47	0.53988	2.88395	0.41514	0.23985	0.43323	0.20949	2.94684	2.88395
6055	478239.36	3850208.82	0.54275	2.87975	0.42177	0.23342	0.42323	0.20963	2.94026	2.87975
6056	478151.51	3850166.18	0.54613	2.86936	0.42615	0.22691	0.41322	0.20971	2.92526	2.86936
6057	478063.66	3850123.53	0.54834	2.85532	0.42785	0.22038	0.40341	0.20975	2.91399	2.85532
6058	477975.8	3850080.88	0.54513	2.69475	0.45812	0.21337	0.3952	0.20946	2.74584	2.69475
6059	477887.95	3850038.23	0.54648	2.67333	0.48722	0.20675	0.38604	0.20935	2.72078	2.67333
6060	477800.1	3849995.59	0.54695	2.55579	0.51735	0.20009	0.37734	0.20914	2.59905	2.55579
6061	477712.24	3849952.94	0.54972	2.52632	0.54064	0.19374	0.36835	0.20901	2.56445	2.52632
6062	477624.39	3849910.29	0.54311	2.48422	0.56171	0.18749	0.38152	0.20886	2.52038	2.48422
6063	477536.54	3849867.64	0.53329	2.40135	0.58112	0.18871	0.44053	0.20863	2.43156	2.40135
6064	477448.68	3849825	0.53259	2.35823	0.59565	0.1957	0.41212	0.20845	2.38459	2.35823
6065	477360.83	3849782.35	0.53181	2.3149	0.60766	0.20269	0.42518	0.2082	2.33905	2.3149
6066	477272.97	3849739.7	0.53251	2.25866	0.61435	0.20961	0.43816	0.20791	2.27808	2.25866
6067	477185.12	3849697.05	0.53264	2.17971	0.62068	0.21652	0.45271	0.20754	2.19561	2.17971
6068	477097.27	3849654.41	0.5336	2.15335	0.62479	0.22311	0.46313	0.20718	2.16661	2.15335
6069	477009.41	3849611.76	0.53649	2.26995	0.62113	0.22866	0.46652	0.20684	2.28585	2.26995
6070	476841.49	3849530.08	0.53896	2.27088	0.60994	0.2403	0.48919	0.20581	2.28127	2.27088
6071	476761.41	3849491.05	0.53867	2.20559	0.60183	0.2461	0.50262	0.20522	2.21414	2.20559
6072	476681.34	3849452.02	0.53962	2.21734	0.5896	0.25138	0.51276	0.2046	2.22448	2.21734
6073	476601.26	3849412.99	0.54091	2.28369	0.57391	0.25652	0.52176	0.20393	2.28976	2.28369
6074	476456.32	3849353.67	0.53934	2.80214	0.53106	0.27355	0.55025	0.20896	2.82046	2.80214
6075	476305.43	3849318.83	0.53129	2.68892	0.47783	0.30554	0.62769	0.22907	2.7172	2.68892
6076	476129.36	3849289.99	0.54037	2.79851	0.38722	0.34464	0.72244	0.23832	2.82309	2.79851
6077	476039.31	3849275.68	0.53853	2.78458	0.33829	0.36023	0.76565	0.23613	2.80623	2.78458
6078	475949.26	3849261.38	0.54025	2.96504	0.28281	0.38666	0.81641	0.24276	2.98412	2.96504
6079	475859.21	3849247.08	0.53338	3.03549	0.23701	0.39954	0.85561	0.25358	3.05117	3.03549
6080	475769.16	3849232.77	0.52784	3.06814	0.19164	0.4122	0.89222	0.26391	3.08097	3.06814
6081	475585.22	3849219.27	0.52316	2.18745	0.09971	0.47218	0.98479	0.2881	2.20053	2.18745
6082	475444.49	3849150.34	0.79251	4.33994	0.10717	0.44717	0.98719	0.29091	4.35942	4.33994
6083	475334.17	3849118.71	0.72432	4.05668	0.11654	0.43726	0.98489	0.28791	4.08478	4.05668
6084	475230.46	3849060.57	0.59346	3.78966	0.11866	0.4333	0.97791	0.28608	3.81155	3.78966
6085	475110.86	3848960.97	0.50705	3.17704	0.11395	0.43025	0.96447	0.28352	3.20376	3.17704
6086	475037.79	3848896.28	0.54201	3.14827	0.11019	0.43319	0.95756	0.28214	3.17554	3.14827
6087	474964.72	3848831.59	0.59076	3.04183	0.10654	0.43578	0.94738	0.27907	3.0655	3.04183
6088	474891.65	3848766.9	0.59831	2.92898	0.10318	0.43261	0.9329	0.27512	2.94974	2.92898
6089	474818.58	3848702.22	0.59415	2.77529	0.09999	0.42753	0.91671	0.27074	2.79533	2.77529
6090	474745.51	3848637.53	0.55149	2.44977	0.09741	0.40761	0.8919	0.26288	2.46729	2.44977
6091	474672.44	3848572.84	0.53397	2.44936	0.09452	0.39896	0.8731	0.2554	2.47831	2.44936
6092	474599.37	3848508.15	0.53198	2.60336	0.09142	0.39646	0.85868	0.25345	2.63235	2.60336
6093	474526.3	3848443.46	0.5221	2.67661	0.08854	0.39074	0.84134	0.24853	2.70504	2.67661

6.16557414	1.318912818	5.086E-06	0.030255	0.267795	0.076289	5.267513	4.85585872	8.270485
6.19533078	1.310762491	5.375E-06	0.029166	0.263815	0.073847	5.229962	4.82585156	8.277037
6.08646255	1.329992942	5.638E-06	0.028113	0.259466	0.069838	5.303235	4.89665256	8.180461
6.18178638	1.302607664	6.023E-06	0.026649	0.255459	0.06518	5.190977	4.79582782	8.226837
6.56800694	1.245316851	6.501E-06	0.024921	0.251673	0.059881	4.960557	4.58489948	8.525463
6.70971007	1.210933363	6.983E-06	0.023216	0.247776	0.053959	4.822005	4.45830934	8.609297
6.86998545	1.153953081	7.508E-06	0.021614	0.242763	0.047955	4.574872	4.24852428	8.662626
6.96151274	1.123381479	7.999E-06	0.020094	0.237502	0.041914	4.440567	4.13596841	8.689011
7.01486946	1.139655131	8.361E-06	0.018663	0.23438	0.035588	4.504948	4.19588333	8.752229
6.86629152	1.257684106	8.563E-06	0.017363	0.228422	0.032247	4.965288	4.63043216	8.736871
6.31835906	1.284515828	8.92E-06	0.015825	0.223487	0.030639	5.062663	4.72921887	8.206279
5.62359301	1.286694049	9.308E-06	0.014318	0.218737	0.02896	5.065408	4.73723846	7.500481
5.53924835	1.297382634	9.654E-06	0.013397	0.213914	0.028891	5.102442	4.77659076	7.418693
5.5714676	1.291662553	1E-05	0.013079	0.209136	0.028927	5.074576	4.75553106	7.433327
5.5851146	1.277625629	1.032E-05	0.012749	0.204483	0.028951	5.010816	4.70385113	7.415899
5.53965878	1.297909187	1.053E-05	0.012425	0.199784	0.028982	5.087749	4.77852938	7.387989
5.56910759	1.296018995	1.07E-05	0.012091	0.195173	0.029001	5.076389	4.77157023	7.406221
5.60378945	1.291343021	1.081E-05	0.011754	0.190557	0.029012	5.050491	4.75435464	7.422603
5.62646606	1.28502438	1.085E-05	0.011416	0.186033	0.029018	5.031033	4.73109121	7.43791
5.59352855	1.212760548	1.162E-05	0.011053	0.182247	0.028978	4.740721	4.46503651	7.304262
5.60738077	1.20312057	1.236E-05	0.01071	0.178022	0.028963	4.697454	4.42954487	7.296118
5.6122034	1.150222203	1.312E-05	0.010365	0.17401	0.028933	4.487286	4.23478826	7.228246
5.64062611	1.136959357	1.371E-05	0.010036	0.169865	0.028916	4.427549	4.18595826	7.228006
5.57280151	1.118012435	1.425E-05	0.009712	0.175938	0.028895	4.351462	4.11620113	7.140634
5.4720394	1.080717151	1.474E-05	0.009775	0.203151	0.028863	4.198113	3.97889059	7.013783
5.46485677	1.061311182	1.511E-05	0.010138	0.190049	0.028838	4.117019	3.90744338	6.964783
5.45685326	1.041810703	1.542E-05	0.0105	0.196072	0.028803	4.038394	3.83564821	6.9368
5.46403589	1.016500135	1.558E-05	0.010858	0.202058	0.028763	3.933128	3.74246196	6.912897
5.46536981	0.98096903	1.575E-05	0.011216	0.208767	0.028712	3.790743	3.61164662	6.874146
5.47522028	0.969105826	1.585E-05	0.011557	0.213573	0.028662	3.740674	3.56796971	6.870839
5.50487431	1.021581151	1.576E-05	0.011845	0.215136	0.028615	3.946543	3.7611688	6.967442
5.53021875	1.021999693	1.547E-05	0.012448	0.22559	0.028473	3.938636	3.76270975	6.994671
5.52724308	0.992616212	1.527E-05	0.012748	0.231783	0.028391	3.822735	3.6545282	6.961004
5.53699095	0.997904248	1.496E-05	0.013022	0.236459	0.028305	3.840587	3.67399724	6.979287
5.55022752	1.027764778	1.456E-05	0.013288	0.24061	0.028213	3.953294	3.78393514	7.029476
5.53411789	1.261090952	1.347E-05	0.01417	0.253748	0.028909	4.869553	4.64297519	7.318627
5.45151759	1.210136782	1.212E-05	0.015827	0.289459	0.031691	4.691273	4.45537655	7.234541
5.54468663	1.259457286	9.823E-06	0.017853	0.333153	0.03297	4.874094	4.6369605	7.425263
5.52580656	1.25318815	8.582E-06	0.01866	0.35308	0.032667	4.844985	4.61387934	7.414516
5.54345532	1.33440339	7.174E-06	0.02003	0.376488	0.033585	5.152113	4.91289056	7.547191
5.47296288	1.366109107	6.012E-06	0.020697	0.394565	0.035082	5.267876	5.02962192	7.527675
5.41611745	1.380803098	4.861E-06	0.021353	0.411448	0.036511	5.319326	5.08372098	7.501841
5.36809641	0.984452384	2.529E-06	0.02446	0.454136	0.039857	3.799237	3.62447133	7.04577
8.13187186	1.953171171	2.719E-06	0.023164	0.455243	0.040246	7.526583	7.19101607	10.93927
7.43218058	1.825691237	2.956E-06	0.022651	0.454182	0.039831	7.052414	6.72167151	10.10528
6.08943821	1.705520044	3.01E-06	0.022446	0.450964	0.039578	6.58068	6.27923564	8.609392
5.20279319	1.42981307	2.891E-06	0.022288	0.444766	0.039224	5.531324	5.26416164	7.406048
5.56151452	1.416865257	2.795E-06	0.02244	0.441579	0.039033	5.482602	5.21649151	7.747545
6.06173376	1.368962396	2.703E-06	0.022574	0.436885	0.038608	5.292617	5.04012691	8.181255
6.13920361	1.318174743	2.617E-06	0.02241	0.430207	0.038062	5.092756	4.85314134	8.187674
6.09651824	1.249007226	2.537E-06	0.022147	0.422741	0.037456	4.826166	4.59848638	8.055551
5.65878792	1.102508362	2.471E-06	0.021115	0.4113	0.036368	4.259801	4.05911958	7.430763
5.47901682	1.102323843	2.398E-06	0.020667	0.40263	0.035333	4.278827	4.05844023	7.260361
5.45859761	1.171630875	2.319E-06	0.020537	0.395981	0.035064	4.544779	4.31360885	7.312982
5.35721985	1.20459672	2.246E-06	0.020241	0.387984	0.034383	4.670279	4.43497963	7.239726

CO
8 hr
Concentration [ug/m^3] at 1 g/s

	X	Y	Equipment	Rail Hauling	Rail Idling	Off-Site	Solar	33kV	S Main	Remove Ex
1	485973.61	3854936.51	1.29012	0.38498	0.78066	0.9958	2.5622	0.56091	0.69022	0.38498
2	486023.61	3854936.51	1.28485	0.40265	0.74298	0.97002	2.24771	0.53528	0.64806	0.40265
3	486073.61	3854936.51	1.26679	0.42094	0.72036	0.94677	1.95605	0.51685	0.61029	0.42094
4	486123.61	3854936.51	1.24827	0.43567	0.66764	0.88985	1.59452	0.47603	0.55634	0.43567
5	486173.61	3854936.51	1.23631	0.45439	0.66427	0.87404	1.94594	0.47	0.52664	0.45439
6	486223.61	3854936.51	1.21538	0.47155	0.63509	0.83038	2.11379	0.44386	0.48288	0.47155
7	486273.61	3854936.51	1.19523	0.48659	0.62595	0.79401	2.25967	0.42505	0.49531	0.48659
8	486323.61	3854936.51	1.17584	0.49987	0.66592	0.75982	2.35069	0.40951	0.50824	0.49987
9	485973.61	3854986.51	1.31177	0.40931	0.9008	1.00091	2.88549	0.60509	0.76139	0.40931
10	486023.61	3854986.51	1.30692	0.38692	0.83847	0.98592	2.59287	0.58483	0.72691	0.38692
11	486073.61	3854986.51	1.29921	0.38834	0.72366	0.95664	2.26533	0.55673	0.68693	0.38834
12	486123.61	3854986.51	1.28916	0.40588	0.59787	0.92099	1.93719	0.52909	0.64519	0.40588
13	486173.61	3854986.51	1.26241	0.42436	0.5604	0.8968	1.91719	0.51389	0.61	0.42436
14	486223.61	3854986.51	1.24207	0.44009	0.65707	0.85383	2.12595	0.4857	0.56589	0.44009
15	486273.61	3854986.51	1.21813	0.45683	0.75869	0.80525	2.2354	0.45528	0.51946	0.45683
16	486323.61	3854986.51	1.20487	0.47367	0.83535	0.79397	2.50778	0.45532	0.49384	0.47367
17	485973.61	3855036.51	1.34844	0.43649	1.05852	0.97419	3.31512	0.62554	0.80024	0.43649
18	486023.61	3855036.51	1.32894	0.41806	0.91702	0.9586	2.92879	0.60399	0.77138	0.41806
19	486073.61	3855036.51	1.321	0.39403	0.75419	0.92558	2.57978	0.5716	0.73553	0.39403
20	486123.61	3855036.51	1.31092	0.37822	0.63616	0.89504	2.25409	0.54635	0.70062	0.37822
21	486173.61	3855036.51	1.29966	0.3925	0.77468	0.87579	1.96101	0.53299	0.6699	0.3925
22	486223.61	3855036.51	1.2663	0.40877	0.86287	0.82776	2.05998	0.50023	0.62636	0.40877
23	486273.61	3855036.51	1.24951	0.42727	0.91146	0.80964	2.37967	0.49115	0.5953	0.42727
24	486323.61	3855036.51	1.228	0.44315	0.89485	0.77087	2.5191	0.4689	0.5555	0.44315
25	485973.61	3855086.51	1.40253	0.45399	1.04884	1.06241	3.72393	0.61802	0.79799	0.45399
26	486023.61	3855086.51	1.38137	0.44243	0.89484	0.98429	3.37848	0.6041	0.77944	0.44243
27	486073.61	3855086.51	1.35946	0.4231	0.7686	0.89879	2.9302	0.57166	0.75163	0.4231
28	486123.61	3855086.51	1.3384	0.40502	0.89887	0.87849	2.62608	0.55413	0.72746	0.40502
29	486173.61	3855086.51	1.32126	0.38056	0.96626	0.83486	2.27089	0.52419	0.69467	0.38056
30	486223.61	3855086.51	1.30755	0.37863	0.97648	0.80606	2.04799	0.5062	0.66499	0.37863
31	485973.61	3855136.51	1.44568	0.46521	0.90169	1.20286	4.16338	0.68033	0.77108	0.46521
32	486023.61	3855136.51	1.42824	0.45731	0.92109	1.13535	3.81129	0.63417	0.75715	0.45731
33	486073.61	3855136.51	1.40984	0.4454	1.02912	1.05663	3.40495	0.5883	0.74082	0.4454
34	486123.61	3855136.51	1.388	0.43083	1.06771	0.9751	2.99581	0.54769	0.72114	0.43083
35	486173.61	3855136.51	1.36646	0.41198	1.03052	0.89613	2.63359	0.51835	0.69692	0.41198
36	486223.61	3855136.51	1.3456	0.39094	0.93474	0.83925	2.29279	0.49573	0.67149	0.39094
37	485973.61	3855186.51	1.48249	0.46779	1.08424	1.33908	4.56158	0.74417	0.74659	0.46779
38	486023.61	3855186.51	1.46625	0.46567	1.1642	1.25199	4.27244	0.72091	0.73309	0.46567
39	486073.61	3855186.51	1.45148	0.45769	1.14992	1.17789	3.85726	0.67167	0.7165	0.45769
40	486123.61	3855186.51	1.43446	0.44634	1.05914	1.12304	3.40847	0.62044	0.69802	0.44634
41	486173.61	3855186.51	1.41281	0.43347	0.91942	1.04299	2.98686	0.57698	0.68013	0.43347
42	486223.61	3855186.51	1.39133	0.41723	0.8156	0.96751	2.63021	0.53459	0.65969	0.41723
43	486273.61	3855186.51	1.37041	0.39719	0.87851	0.89356	2.27256	0.49085	0.63524	0.39719
44	486323.61	3855186.51	1.3521	0.38222	0.94008	0.85193	2.69652	0.47209	0.62517	0.38222
45	485973.61	3855236.51	1.51522	0.46172	1.28228	1.44844	4.87436	0.80729	0.73657	0.46172
46	486023.61	3855236.51	1.50423	0.46293	1.21077	1.36134	4.62572	0.759	0.71782	0.46293
47	486073.61	3855236.51	1.4914	0.46007	1.06305	1.27255	4.25447	0.74616	0.69623	0.46007
48	486123.61	3855236.51	1.47395	0.45545	0.88515	1.20132	3.86162	0.70037	0.67938	0.45545
49	486173.61	3855236.51	1.45534	0.44779	0.94002	1.16669	3.44147	0.65606	0.66452	0.44779
50	486223.61	3855236.51	1.43539	0.43604	0.9818	1.10047	2.99272	0.60982	0.64582	0.43604
51	486273.61	3855236.51	1.41336	0.41736	0.97482	1.02165	2.56548	0.55369	0.616	0.41736
52	486323.61	3855236.51	1.39437	0.41047	0.98737	0.9771	2.60885	0.54009	0.62035	0.41047
53	485973.61	3855286.51	1.54564	0.44901	1.24238	1.49949	5.08247	0.87051	0.78813	0.44901

Rates (g/s): 1.03E+01 4.50E-01 2.54E-05 5.18E-02 4.61E-01 1.38E-01 1.73E+00 1.66E+00

Mitigated
Concentration [ug/m^3]

	Equipmen	Rail Haulin	Rail Idling	Off-Site	Solar	33kV	S Main	Remove E	Total
1	1.32E+01	1.73E-01	1.98E-05	5.15E-02	1.18E+00	7.75E-02	1.19E+00	6.38E-01	1.53E+01
2	1.32E+01	1.81E-01	1.88E-05	5.02E-02	1.04E+00	7.40E-02	1.12E+00	6.67E-01	1.50E+01
3	1.30E+01	1.89E-01	1.83E-05	4.90E-02	9.01E-01	7.15E-02	1.05E+00	6.97E-01	1.46E+01
4	1.28E+01	1.96E-01	1.69E-05	4.61E-02	7.35E-01	6.58E-02	9.61E-01	7.22E-01	1.41E+01
5	1.27E+01	2.04E-01	1.69E-05	4.52E-02	8.97E-01	6.50E-02	9.09E-01	7.53E-01	1.40E+01
6	1.25E+01	2.12E-01	1.61E-05	4.30E-02	9.74E-01	6.14E-02	8.34E-01	7.81E-01	1.38E+01
7	1.23E+01	2.19E-01	1.59E-05	4.11E-02	1.04E+00	5.88E-02	8.55E-01	8.06E-01	1.37E+01
8	1.21E+01	2.25E-01	1.69E-05	3.93E-02	1.08E+00	5.66E-02	8.77E-01	8.28E-01	1.35E+01
9	1.35E+01	1.84E-01	2.29E-05	5.18E-02	1.33E+00	8.37E-02	1.31E+00	6.78E-01	1.57E+01
10	1.34E+01	1.74E-01	2.13E-05	5.10E-02	1.19E+00	8.09E-02	1.26E+00	6.41E-01	1.55E+01
11	1.33E+01	1.75E-01	1.84E-05	4.95E-02	1.04E+00	7.70E-02	1.19E+00	6.43E-01	1.52E+01
12	1.32E+01	1.83E-01	1.52E-05	4.77E-02	8.93E-01	7.31E-02	1.11E+00	6.73E-01	1.49E+01
13	1.29E+01	1.91E-01	1.42E-05	4.64E-02	8.84E-01	7.10E-02	1.05E+00	7.03E-01	1.45E+01
14	1.27E+01	1.98E-01	1.67E-05	4.42E-02	9.80E-01	6.71E-02	9.77E-01	7.29E-01	1.43E+01
15	1.25E+01	2.06E-01	1.92E-05	4.17E-02	1.03E+00	6.29E-02	8.97E-01	7.57E-01	1.40E+01
16	1.24E+01	2.13E-01	2.12E-05	4.11E-02	1.16E+00	6.29E-02	8.53E-01	7.85E-01	1.39E+01
17	1.38E+01	1.96E-01	2.69E-05	5.04E-02	1.53E+00	8.65E-02	1.38E+00	7.23E-01	1.63E+01
18	1.36E+01	1.88E-01	2.33E-05	4.96E-02	1.35E+00	8.35E-02	1.33E+00	6.93E-01	1.59E+01
19	1.35E+01	1.77E-01	1.91E-05	4.79E-02	1.19E+00	7.90E-02	1.27E+00	6.53E-01	1.57E+01
20	1.34E+01	1.70E-01	1.61E-05	4.63E-02	1.04E+00	7.55E-02	1.21E+00	6.27E-01	1.54E+01
21	1.33E+01	1.77E-01	1.97E-05	4.53E-02	9.04E-01	7.37E-02	1.16E+00	6.50E-01	1.50E+01
22	1.30E+01	1.84E-01	2.19E-05	4.29E-02	9.49E-01	6.92E-02	1.08E+00	6.77E-01	1.46E+01
23	1.28E+01	1.92E-01	2.31E-05	4.19E-02	1.10E+00	6.79E-02	1.03E+00	7.08E-01	1.45E+01
24	1.26E+01	1.99E-01	2.27E-05	3.99E-02	1.16E+00	6.48E-02	9.59E-01	7.34E-01	1.43E+01
25	1.44E+01	2.04E-01	2.66E-05	5.50E-02	1.72E+00	8.54E-02	1.38E+00	7.52E-01	1.71E+01
26	1.42E+01	1.99E-01	2.27E-05	5.10E-02	1.56E+00	8.35E-02	1.35E+00	7.33E-01	1.67E+01
27	1.39E+01	1.90E-01	1.95E-05	4.65E-02	1.35E+00	7.90E-02	1.30E+00	7.01E-01	1.62E+01
28	1.37E+01	1.82E-01	2.28E-05	4.55E-02	1.21E+00	7.66E-02	1.26E+00	6.71E-01	1.58E+01
29	1.35E+01	1.71E-01	2.45E-05	4.32E-02	1.05E+00	7.25E-02	1.20E+00	6.31E-01	1.55E+01
30	1.34E+01	1.70E-01	2.48E-05	4.17E-02	9.44E-01	7.00E-02	1.15E+00	6.27E-01	1.52E+01
31	1.48E+01	2.09E-01	2.29E-05	6.23E-02	1.92E+00	9.41E-02	1.33E+00	7.71E-01	1.77E+01
32	1.46E+01	2.06E-01	2.34E-05	5.88E-02	1.76E+00	8.77E-02	1.31E+00	7.58E-01	1.73E+01
33	1.45E+01	2.00E-01	2.61E-05	5.47E-02	1.57E+00	8.13E-02	1.28E+00	7.38E-01	1.69E+01
34	1.42E+01	1.94E-01	2.71E-05	5.05E-02	1.38E+00	7.57E-02	1.25E+00	7.14E-01	1.65E+01
35	1.40E+01	1.85E-01	2.61E-05	4.64E-02	1.21E+00	7.17E-02	1.20E+00	6.83E-01	1.60E+01
36	1.38E+01	1.76E-01	2.37E-05	4.34E-02	1.06E+00	6.85E-02	1.16E+00	6.48E-01	1.57E+01
37	1.52E+01	2.11E-01	2.75E-05	6.93E-02	2.10E+00	1.03E-01	1.29E+00	7.75E-01	1.82E+01
38	1.50E+01	2.10E-01	2.95E-05	6.48E-02	1.97E+00	9.97E-02	1.27E+00	7.72E-01	1.79E+01
39	1.49E+01	2.06E-01	2.92E-05	6.10E-02	1.78E+00	9.29E-02	1.24E+00	7.58E-01	1.75E+01
40	1.47E+01	2.01E-01	2.69E-05	5.81E-02	1.57E+00	8.58E-02	1.21E+00	7.40E-01	1.71E+01
41	1.45E+01	1.95E-01	2.33E-05	5.40E-02	1.38E+00	7.98E-02	1.17E+00	7.18E-01	1.66E+01
42	1.43E+01	1.88E-01	2.07E-05	5.01E-02	1.21E+00	7.39E-02	1.14E+00	6.91E-01	1.62E+01
43	1.41E+01	1.79E-01	2.23E-05	4.63E-02	1.05E+00	6.79E-02	1.10E+00	6.58E-01	1.58E+01
44	1.39E+01	1.72E-01	2.38E-05	4.41E-02	1.24E+00	6.53E-02	1.08E+00	6.33E-01	1.58E+01
45	1.55E+01	2.08E-01	3.25E-05	7.50E-02	2.25E+00	1.12E-01	1.27E+00	7.65E-01	1.87E+01
46	1.54E+01	2.08E-01	3.07E-05	7.05E-02	2.13E+00	1.05E-01	1.24E+00	7.67E-01	1.84E+01
47	1.53E+01	2.07E-01	2.70E-05	6.59E-02	1.96E+00	1.03E-01	1.20E+00	7.62E-01	1.81E+01
48	1.51E+01	2.05E-01	2.25E-05	6.22E-02	1.78E+00	9.68E-02	1.17E+00	7.55E-01	1.77E+01
49	1.49E+01	2.02E-01	2.38E-05	6.04E-02	1.59E+00	9.07E-02	1.15E+00	7.42E-01	1.73E+01
50	1.47E+01	1.96E-01	2.49E-05	5.70E-02	1.38E+00	8.43E-02	1.12E+00	7.22E-01	1.68E+01
51	1.45E+01	1.88E-01	2.47E-05	5.29E-02	1.18E+00	7.65E-02	1.06E+00	6.92E-01	1.64E+01
52	1.43E+01	1.85E-01	2.50E-05	5.06E-02	1.20E+00	7.47E-02	1.07E+00	6.80E-01	1.62E+01
53	1.58E+01	2.02E-01	3.15E-05	7.76E-02	2.34E+00	1.20E-01	1.36E+00	7.44E-01	1.92E+01

54	486023.61	3855286.51	1.53839	0.45381	1.03828	1.42658	4.93315	0.81353	0.74555	0.45381	1.58E+01	2.04E-01	2.63E-05	7.38E-02	2.27E+00	1.12E-01	1.29E+00	7.52E-01	1.90E+01
55	486073.61	3855286.51	1.52577	0.45668	1.02459	1.35157	4.66745	0.7687	0.69897	0.45668	1.56E+01	2.06E-01	2.60E-05	7.00E-02	2.15E+00	1.06E-01	1.21E+00	7.57E-01	1.86E+01
56	486123.61	3855286.51	1.51195	0.45582	1.07202	1.27276	4.28332	0.76112	0.69674	0.45582	1.55E+01	2.05E-01	2.72E-05	6.59E-02	1.97E+00	1.05E-01	1.20E+00	7.55E-01	1.83E+01
57	486173.61	3855286.51	1.49522	0.45211	1.07919	1.20685	3.85469	0.71896	0.6617	0.45211	1.53E+01	2.03E-01	2.74E-05	6.25E-02	1.78E+00	9.94E-02	1.14E+00	7.49E-01	1.79E+01
58	486223.61	3855286.51	1.47583	0.44682	1.05326	1.17521	3.43857	0.67907	0.63558	0.44682	1.51E+01	2.01E-01	2.67E-05	6.08E-02	1.58E+00	9.39E-02	1.10E+00	7.40E-01	1.74E+01
59	486123.61	3855336.51	1.54861	0.44897	1.1637	1.31401	4.67413	0.77289	0.73985	0.44897	1.59E+01	2.02E-01	2.95E-05	6.80E-02	2.15E+00	1.07E-01	1.28E+00	7.44E-01	1.89E+01
60	486173.61	3855336.51	1.53102	0.45119	1.09192	1.25083	4.31792	0.75838	0.69101	0.45119	1.57E+01	2.03E-01	2.77E-05	6.48E-02	1.99E+00	1.05E-01	1.19E+00	7.48E-01	1.85E+01
61	486223.61	3855336.51	1.51357	0.44972	0.98839	1.18786	3.88863	0.72769	0.65377	0.44972	1.55E+01	2.02E-01	2.51E-05	6.15E-02	1.79E+00	1.01E-01	1.13E+00	7.45E-01	1.81E+01
62	486123.61	3855386.51	1.58275	0.43662	1.09133	1.33551	5.02625	0.80446	0.82453	0.43662	1.62E+01	1.96E-01	2.77E-05	6.91E-02	2.32E+00	1.11E-01	1.42E+00	7.23E-01	1.96E+01
63	486173.61	3855386.51	1.5663	0.44269	0.95275	1.27483	4.73769	0.76763	0.78635	0.44269	1.61E+01	1.99E-01	2.42E-05	6.60E-02	2.18E+00	1.06E-01	1.36E+00	7.34E-01	1.92E+01
64	486223.61	3855386.51	1.54831	0.44656	0.93496	1.21064	4.36993	0.74386	0.7432	0.44656	1.59E+01	2.01E-01	2.37E-05	6.27E-02	2.01E+00	1.03E-01	1.28E+00	7.40E-01	1.88E+01
65	486533.18	3855443.15	1.47421	0.42589	0.84171	0.97552	3.71447	0.58655	0.59213	0.42589	1.51E+01	1.92E-01	2.14E-05	5.05E-02	1.71E+00	8.11E-02	1.02E+00	7.06E-01	1.75E+01
66	486583.18	3855443.15	1.45746	0.41269	0.77228	0.94878	3.90552	0.55685	0.55015	0.41269	1.49E+01	1.86E-01	1.96E-05	4.91E-02	1.80E+00	7.70E-02	9.50E-01	6.84E-01	1.73E+01
67	486633.18	3855443.15	1.43842	0.39649	0.8506	0.91724	3.96979	0.5284	0.52503	0.39649	1.47E+01	1.78E-01	2.16E-05	4.75E-02	1.83E+00	7.31E-02	9.06E-01	6.57E-01	1.71E+01
68	486683.18	3855443.15	1.4195	0.3792	0.92792	0.88929	3.99269	0.5045	0.50666	0.3792	1.46E+01	1.71E-01	2.35E-05	4.60E-02	1.84E+00	6.97E-02	8.75E-01	6.28E-01	1.69E+01
69	486533.18	3855493.15	1.50875	0.43541	1.08259	0.96517	3.67117	0.60171	0.67872	0.43541	1.55E+01	1.96E-01	2.75E-05	5.00E-02	1.69E+00	8.32E-02	1.17E+00	7.21E-01	1.79E+01
70	486583.18	3855493.15	1.49167	0.42752	1.13796	0.93155	3.96916	0.57395	0.63665	0.42752	1.53E+01	1.92E-01	2.89E-05	4.82E-02	1.83E+00	7.93E-02	1.10E+00	7.08E-01	1.78E+01
71	486633.18	3855493.15	1.47476	0.41616	1.16596	0.90799	4.12388	0.54759	0.593	0.41616	1.51E+01	1.87E-01	2.96E-05	4.70E-02	1.90E+00	7.57E-02	1.02E+00	6.90E-01	1.77E+01
72	486683.18	3855493.15	1.45653	0.4019	1.17141	0.88305	4.14731	0.524	0.5501	0.4019	1.49E+01	1.81E-01	2.97E-05	4.57E-02	1.91E+00	7.24E-02	9.50E-01	6.66E-01	1.74E+01
73	486533.18	3855543.15	1.54129	0.43858	1.36922	0.9752	3.62595	0.61533	0.76235	0.43858	1.58E+01	1.97E-01	3.47E-05	5.05E-02	1.67E+00	8.51E-02	1.32E+00	7.27E-01	1.84E+01
74	486583.18	3855543.15	1.52695	0.43375	1.31666	0.92687	3.90358	0.5804	0.71994	0.43375	1.57E+01	1.95E-01	3.34E-05	4.80E-02	1.80E+00	8.02E-02	1.24E+00	7.19E-01	1.83E+01
75	486633.18	3855543.15	1.5095	0.42749	1.26628	0.89158	4.16374	0.55438	0.67917	0.42749	1.55E+01	1.92E-01	3.21E-05	4.62E-02	1.92E+00	7.66E-02	1.17E+00	7.08E-01	1.82E+01
76	486683.18	3855543.15	1.49356	0.41619	1.17416	0.87182	4.16267	0.53837	0.63123	0.41619	1.53E+01	1.87E-01	2.98E-05	4.51E-02	1.92E+00	7.44E-02	1.09E+00	6.90E-01	1.79E+01
77	486533.18	3855593.15	1.57475	0.43412	1.3534	0.98324	3.66008	0.63583	0.81485	0.43412	1.61E+01	1.95E-01	3.43E-05	5.09E-02	1.69E+00	8.79E-02	1.41E+00	7.19E-01	1.89E+01
78	486583.18	3855593.15	1.55994	0.43439	1.2282	0.93489	3.8676	0.59504	0.79194	0.43439	1.60E+01	1.95E-01	3.12E-05	4.84E-02	1.78E+00	8.23E-02	1.37E+00	7.20E-01	1.88E+01
79	486633.18	3855593.15	1.54373	0.43201	1.10271	0.90405	4.16539	0.57792	0.75753	0.43201	1.58E+01	1.94E-01	2.80E-05	4.68E-02	1.92E+00	7.99E-02	1.31E+00	7.16E-01	1.87E+01
80	486683.18	3855593.15	1.52579	0.42741	0.98564	0.87807	4.39068	0.56606	0.72013	0.42741	1.56E+01	1.92E-01	2.50E-05	4.55E-02	2.02E+00	7.83E-02	1.24E+00	7.08E-01	1.85E+01
81	486533.18	3855643.15	1.60659	0.42445	1.06272	1.00149	4.19074	0.66651	0.82981	0.42445	1.65E+01	1.91E-01	2.70E-05	5.18E-02	1.93E+00	9.21E-02	1.43E+00	7.03E-01	1.95E+01
82	486583.18	3855643.15	1.59165	0.42873	1.05189	0.94996	3.78757	0.62388	0.82155	0.42873	1.63E+01	1.93E-01	2.67E-05	4.92E-02	1.75E+00	8.63E-02	1.42E+00	7.10E-01	1.91E+01
83	486633.18	3855643.15	1.5762	0.43055	1.07866	0.9166	4.16039	0.58235	0.81064	0.43055	1.62E+01	1.94E-01	2.74E-05	4.74E-02	1.92E+00	8.05E-02	1.40E+00	7.13E-01	1.91E+01
84	486683.18	3855643.15	1.55931	0.42983	1.09829	0.89517	4.43706	0.58108	0.78675	0.42983	1.60E+01	1.93E-01	2.79E-05	4.63E-02	2.04E+00	8.03E-02	1.36E+00	7.12E-01	1.90E+01
85	486533.18	3855693.15	1.63419	0.41168	1.41106	1.04049	4.77985	0.70432	0.82595	0.41168	1.68E+01	1.85E-01	3.58E-05	5.39E-02	2.20E+00	9.74E-02	1.43E+00	6.82E-01	2.00E+01
86	486583.18	3855693.15	1.62442	0.41752	1.35333	0.97	4.18336	0.65063	0.82211	0.41752	1.67E+01	1.88E-01	3.43E-05	5.02E-02	1.93E+00	9.00E-02	1.42E+00	6.92E-01	1.96E+01
87	486633.18	3855693.15	1.61323	0.42138	1.28134	0.91699	3.94568	0.59605	0.82804	0.42138	1.65E+01	1.90E-01	3.25E-05	4.75E-02	1.82E+00	8.24E-02	1.43E+00	6.98E-01	1.94E+01
88	486683.18	3855693.15	1.59227	0.42598	1.26732	0.90408	4.4253	0.57805	0.8169	0.42598	1.63E+01	1.92E-01	3.21E-05	4.68E-02	2.04E+00	7.99E-02	1.41E+00	7.06E-01	1.94E+01
89	486733.18	3855693.15	1.56827	0.42926	1.26783	0.8937	4.91743	0.56763	0.79834	0.42926	1.61E+01	1.93E-01	3.22E-05	4.63E-02	2.27E+00	7.85E-02	1.38E+00	7.11E-01	1.93E+01
90	486783.18	3855693.15	1.54265	0.43026	1.27109	0.88345	5.34028	0.5565	0.77488	0.43026	1.58E+01	1.94E-01	3.22E-05	4.57E-02	2.46E+00	7.69E-02	1.34E+00	7.13E-01	1.92E+01
91	486533.18	3855743.15	1.66374	0.39582	1.49205	1.08749	5.3346	0.7359	0.80823	0.39582	1.71E+01	1.78E-01	3.79E-05	5.63E-02	2.46E+00	1.02E-01	1.40E+00	6.56E-01	2.06E+01
92	486583.18	3855743.15	1.65907	0.40254	1.33325	0.99556	4.68602	0.67053	0.80875	0.40254	1.70E+01	1.81E-01	3.38E-05	5.15E-02	2.16E+00	9.27E-02	1.40E+00	6.67E-01	2.02E+01
93	486633.18	3855743.15	1.64511	0.40959	1.22234	0.93062	4.12308	0.62461	0.80922	0.40959	1.69E+01	1.84E-01	3.10E-05	4.82E-02	1.90E+00	8.64E-02	1.40E+00	6.79E-01	1.98E+01
94	486683.18	3855743.15	1.62107	0.41777	1.17125	0.91027	4.45831	0.60414	0.8068	0.41777	1.66E+01	1.88E-01	2.97E-05	4.71E-02	2.05E+00	8.35E-02	1.39E+00	6.92E-01	1.97E+01
95	486733.18	3855743.15	1.6007	0.42306	1.09441	0.89812	4.90556	0.57733	0.80321	0.42306	1.64E+01	1.90E-01	2.78E-05	4.65E-02	2.26E+00	7.98E-02	1.39E+00	7.01E-01	1.97E+01
96	486783.18	3855743.15	1.5715	0.42838	1.13816	0.89506	5.52147	0.57286	0.7928	0.42838	1.61E+01	1.93E-01	2.89E-05	4.63E-02	2.54E+00	7.92E-02	1.37E+00	7.10E-01	1.96E+01
97	486533.18	3855793.15	1.69125	0.37915	1.37641	1.14883	5.88566	0.76706	0.78461	0.37915	1.73E+01	1.71E-01	3.49E-05	5.95E-02	2.71E+00	1.06E-01	1.35E+00	6.28E-01	2.11E+01
98	486583.18	3855793.15	1.69584	0.38548	1.20126	1.02559	5.16042	0.68327	0.78609	0.38548	1.74E+01	1.73E-01	3.05E-05	5.31E-02	2.38E+00	9.45E-02	1.36E+00	6.39E-01	2.08E+01
99	486633.18	3855793.15	1.67101	0.39631	1.1816	0.98753	4.75181	0.6606	0.7905	0.39631	1.71E+01	1.78E-01	3.00E-05	5.11E-02	2.19E+00	9.13E-02	1.36E+00	6.57E-01	2.04E+01
100	486683.18	3855793.15	1.64601	0.40635	1.16147	0.95264	4.47556	0.63916	0.79292	0.40635	1.69E+01	1.83E-01	2.95E-05	4.93E-02	2.06E+00	8.84E-02	1.37E+00	6.73E-01	2.00E+01
101	486733.18	3855793.15	1.6241	0.41441	1.12231	0.91236	5.0682	0.61358	0.79358	0.41441	1.67E+01	1.87E-01	2.85E-05	4.72E-02	2.34E+00	8.48E-02	1.37E+00	6.87E-01	2.00E+01
102	486783.18	3855793.15	1.60063	0.42097	1.11707	0.89921	5.59184	0.59386	0.79152	0.42097	1.64E+01	1.89E-01	2.83E-05	4.65E-02	2.58E+00	8.21E-02	1.37E+00	6.98E-01	2.00E+01
103	486533.18	3855843.15	1.72635	0.36211	1.33075	1.19554	6.30164	0.78005	0.7613	0.36211	1.77E+01	1.63E-01	3.38E-05	6.19E-02	2.90E+00	1.08E-01	1.31E+00	6.00E-01	2.17E+01
104	486583.18	3855843.15	1.7237	0.3699	1.21094	1.08492	5.73623	0.71207	0.76156	0.3699	1.77E+01	1.66E-01	3.07E-05	5.62E-02	2.64E+00	9.84E-02	1.31E+00	6.13E-01	2.13E+01
105	486633.18	3855843.15	1.69759	0.38109	1.2054	1.04455	5.36696	0.69043	0.76652	0.38109	1.74E+01	1.72E-01	3.06E-05	5.41E-02	2.47E+00	9.55E-02	1.32E+00	6.31E-01	2.09E+01
106	486683.18	3855843.15	1.6722	0.39178	1.1962	1.00494	4.94286	0.66777	0.7711	0.39178	1.71E+01	1.76E-01	3.03E-05	5.20E-02	2.28E+00	9.23E-02	1.33E+00	6.49E-01	2.04E+01
107	486733.18	3855843.15	1.64767	0.40172	1.1812	0.96482	5.08939	0.64462	0.77481	0.40172	1.69E+01	1.81E-01	3.00E-05	4.99E-02	2.35E+00	8.91E-02	1.34E+00	6.66E-01	2.02E+01
108	486783.18	3855843.15	1.6249	0.41016	1.15489	0.92358	5.69562	0.62082	0.77722	0.41016	1.67E+01	1.85E-01	2.93E-05	4.78E-02	2.62E+00	8.58E-02	1.34E+00	6.80E-01	2.03E+01
109	486533.18	3855893.15	1.77283	0.34573	1.23118	1.21467	6.51437	0.76801	0.74095	0.34573	1.82E+01	1.56E-01	3.12E-05	6.29E-02	3.00E+00	1.06E-01	1.28E+00	5.73E-01	2.22E+01
110	486583.18	3855893.15	1.74665	0.35548	1.18344	1.15918	6.32181	0.74515	0.74109	0.35548	1.79E+01	1.60E-01	3.00E-05	6.00E-02	2.91E+00	1.03E-01	1.28E+00	5.89E-01	2.18E+01

111	486633.18	3855893.15	1.72286	0.36563	1.13761	1.10589	5.982	0.7179	0.7436	0.36563
112	486683.18	3855893.15	1.69711	0.37629	1.09699	1.06215	5.58273	0.69429	0.74761	0.37629
113	486733.18	3855893.15	1.67224	0.38671	1.08744	1.01814	5.12619	0.66949	0.75224	0.38671
114	486783.18	3855893.15	1.64567	0.39635	1.10198	0.97941	5.7561	0.64956	0.75613	0.39635
115	486533.18	3855943.15	1.80353	0.33332	1.50913	1.2871	6.79576	0.78515	0.73513	0.33332
116	486583.18	3855943.15	1.76789	0.34232	1.45735	1.2494	6.84246	0.77849	0.73018	0.34232
117	486633.18	3855943.15	1.74661	0.35113	1.39535	1.17953	6.57243	0.74521	0.72627	0.35113
118	486683.18	3855943.15	1.71755	0.36105	1.34245	1.1376	6.26804	0.72616	0.72725	0.36105
119	486733.18	3855943.15	1.69517	0.37084	1.28698	1.08154	5.80016	0.69478	0.72958	0.37084
120	486783.18	3855943.15	1.66696	0.38101	1.23904	1.04053	5.70096	0.67461	0.73309	0.38101
121	486533.18	3855993.15	1.82615	0.32463	1.7193	1.40435	7.01156	0.82283	0.7535	0.32463
122	486583.18	3855993.15	1.79579	0.33132	1.66181	1.33559	7.1784	0.80249	0.73439	0.33132
123	486633.18	3855993.15	1.7692	0.33884	1.60051	1.27008	7.10343	0.77665	0.72167	0.33884
124	486683.18	3855993.15	1.73982	0.34756	1.54179	1.22124	6.89806	0.756	0.71529	0.34756
125	486733.18	3855993.15	1.71574	0.35646	1.51359	1.16234	6.5054	0.72514	0.71233	0.35646
126	486783.18	3855993.15	1.6897	0.36595	1.51763	1.11075	6.04622	0.69818	0.7127	0.36595
127	486533.18	3856043.15	1.85214	0.31892	1.8053	1.53156	6.99195	0.86481	0.79542	0.31892
128	486583.18	3856043.15	1.81739	0.3244	1.80099	1.4574	7.43419	0.8478	0.76292	0.3244
129	486633.18	3856043.15	1.79222	0.32989	1.76906	1.37071	7.52526	0.81472	0.7364	0.32989
130	486683.18	3856043.15	1.76056	0.33715	1.76821	1.32059	7.47838	0.79509	0.72001	0.33715
131	486733.18	3856043.15	1.7376	0.34423	1.73791	1.24991	7.17028	0.75895	0.70777	0.34423
132	486783.18	3856043.15	1.70715	0.35286	1.73975	1.20566	6.81154	0.73587	0.70013	0.35286
133	486533.18	3856093.15	1.87471	0.31733	1.75407	1.72443	6.75	0.93059	0.86618	0.31733
134	486583.18	3856093.15	1.84289	0.32021	1.73217	1.60447	7.457	0.89863	0.81617	0.32021
135	486633.18	3856093.15	1.8144	0.32406	1.70204	1.50143	7.81766	0.86595	0.77564	0.32406
136	486683.18	3856093.15	1.78348	0.32932	1.66863	1.42939	7.94044	0.8411	0.74502	0.32932
137	486733.18	3856093.15	1.75767	0.33507	1.62643	1.35429	7.7994	0.80626	0.72108	0.33507
138	486783.18	3856093.15	1.72881	0.34232	1.61185	1.29588	7.52045	0.77708	0.7045	0.34232
139	486533.18	3856143.15	1.90496	0.31868	1.57269	2.0218	6.16432	1.00388	0.95182	0.31868
140	486583.18	3856143.15	1.87408	0.31944	1.5758	1.77293	7.1861	0.95409	0.88537	0.31944
141	486633.18	3856143.15	1.83926	0.32243	1.57616	1.647	7.90128	0.92598	0.83393	0.32243
142	486683.18	3856143.15	1.80883	0.32584	1.56715	1.54914	8.25179	0.89299	0.78975	0.32584
143	486733.18	3856143.15	1.78005	0.33015	1.55068	1.46426	8.3188	0.8586	0.75366	0.33015
144	486783.18	3856143.15	1.74574	0.33632	1.53236	1.40638	8.23609	0.83606	0.72649	0.33632
145	486533.18	3856193.15	1.93631	0.32317	1.31019	2.4167	5.30181	1.16177	1.05749	0.32317
146	486583.18	3856193.15	1.90502	0.32194	1.33529	2.11933	6.62856	1.04295	0.97792	0.32194
147	486633.18	3856193.15	1.86804	0.32363	1.36049	1.88018	7.7071	0.99099	0.91408	0.32363
148	486683.18	3856193.15	1.83	0.32685	1.38152	1.70425	8.43613	0.96552	0.86376	0.32685
149	486733.18	3856193.15	1.80205	0.32904	1.38955	1.59167	8.72835	0.92193	0.81352	0.32904
150	486783.18	3856193.15	1.76667	0.33401	1.39649	1.51614	8.83262	0.89461	0.7735	0.33401
151	486533.18	3856243.15	1.97702	0.3281	1.11578	2.8876	5.20892	1.32945	1.16462	0.3281
152	486583.18	3856243.15	1.93601	0.32765	1.09302	2.51635	5.77235	1.20758	1.08326	0.32765
153	486633.18	3856243.15	1.89834	0.32783	1.10012	2.21698	7.19879	1.09789	1.00961	0.32783
154	486683.18	3856243.15	1.86115	0.32925	1.13844	1.96538	8.28593	1.0264	0.94631	0.32925
155	486733.18	3856243.15	1.82447	0.33181	1.17276	1.77978	8.97535	0.99185	0.88958	0.33181
156	486783.18	3856243.15	1.79324	0.33411	1.1985	1.65888	9.26285	0.95903	0.83589	0.33411
157	486533.18	3856293.15	2.02314	0.33379	1.18177	3.59589	6.53172	1.50464	1.27694	0.33379
158	486583.18	3856293.15	1.97728	0.33299	1.12195	3.06927	5.86024	1.36552	1.19025	0.33299
159	486633.18	3856293.15	1.93412	0.33314	1.1205	2.65729	6.31547	1.24915	1.11202	0.33314
160	486683.18	3856293.15	1.89418	0.33381	1.13188	2.32453	7.80923	1.14558	1.0406	0.33381
161	486733.18	3856293.15	1.85307	0.33608	1.1592	2.05119	8.92977	1.08178	0.9781	0.33608
162	486783.18	3856293.15	1.82002	0.33717	1.16272	1.83889	9.54568	1.02729	0.91511	0.33717
163	486783.18	3856343.15	1.84715	0.34318	1.19938	2.1582	9.6145	1.12799	1.01033	0.34318
164	486833.18	3856343.15	1.8116	0.34456	1.15722	1.89295	10.212	1.06636	0.94383	0.34456
165	486883.18	3856343.15	1.77738	0.34617	1.11608	1.71859	10.4365	1.00764	0.88057	0.34617
166	486783.18	3856393.15	1.88658	0.34752	1.29777	2.51688	9.23904	1.2198	1.09723	0.34752
167	486833.18	3856393.15	1.84692	0.34875	1.27428	2.21343	10.3022	1.14308	1.03037	0.34875

1.77E+01	1.65E-01	2.89E-05	5.72E-02	2.76E+00	9.93E-02	1.28E+00	6.06E-01	2.14E+01
1.74E+01	1.69E-01	2.78E-05	5.50E-02	2.57E+00	9.60E-02	1.29E+00	6.23E-01	2.10E+01
1.71E+01	1.74E-01	2.76E-05	5.27E-02	2.36E+00	9.26E-02	1.30E+00	6.41E-01	2.05E+01
1.69E+01	1.78E-01	2.80E-05	5.07E-02	2.65E+00	8.98E-02	1.31E+00	6.57E-01	2.05E+01
1.85E+01	1.50E-01	3.83E-05	6.66E-02	3.13E+00	1.09E-01	1.27E+00	5.52E-01	2.27E+01
1.81E+01	1.54E-01	3.70E-05	6.47E-02	3.15E+00	1.08E-01	1.26E+00	5.67E-01	2.23E+01
1.79E+01	1.58E-01	3.54E-05	6.11E-02	3.03E+00	1.03E-01	1.25E+00	5.82E-01	2.19E+01
1.76E+01	1.62E-01	3.41E-05	5.89E-02	2.89E+00	1.00E-01	1.26E+00	5.98E-01	2.15E+01
1.74E+01	1.67E-01	3.26E-05	5.60E-02	2.67E+00	9.61E-02	1.26E+00	6.14E-01	2.10E+01
1.71E+01	1.71E-01	3.14E-05	5.39E-02	2.63E+00	9.33E-02	1.27E+00	6.31E-01	2.07E+01
1.87E+01	1.46E-01	4.36E-05	7.27E-02	3.23E+00	1.14E-01	1.30E+00	5.38E-01	2.31E+01
1.84E+01	1.49E-01	4.22E-05	6.91E-02	3.31E+00	1.11E-01	1.27E+00	5.49E-01	2.28E+01
1.81E+01	1.52E-01	4.06E-05	6.57E-02	3.27E+00	1.07E-01	1.25E+00	5.61E-01	2.24E+01
1.78E+01	1.56E-01	3.91E-05	6.32E-02	3.18E+00	1.05E-01	1.23E+00	5.76E-01	2.20E+01
1.76E+01	1.60E-01	3.84E-05	6.02E-02	3.00E+00	1.00E-01	1.23E+00	5.91E-01	2.16E+01
1.73E+01	1.65E-01	3.85E-05	5.75E-02	2.79E+00	9.65E-02	1.23E+00	6.06E-01	2.11E+01
1.90E+01	1.44E-01	4.58E-05	7.93E-02	3.22E+00	1.20E-01	1.37E+00	5.28E-01	2.34E+01
1.86E+01	1.46E-01	4.57E-05	7.54E-02	3.43E+00	1.17E-01	1.32E+00	5.38E-01	2.32E+01
1.84E+01	1.48E-01	4.49E-05	7.10E-02	3.47E+00	1.13E-01	1.27E+00	5.47E-01	2.29E+01
1.81E+01	1.52E-01	4.49E-05	6.84E-02	3.45E+00	1.10E-01	1.24E+00	5.59E-01	2.25E+01
1.78E+01	1.55E-01	4.41E-05	6.47E-02	3.30E+00	1.05E-01	1.22E+00	5.70E-01	2.21E+01
1.75E+01	1.59E-01	4.41E-05	6.24E-02	3.14E+00	1.02E-01	1.21E+00	5.85E-01	2.16E+01
1.92E+01	1.43E-01	4.45E-05	8.93E-02	3.11E+00	1.29E-01	1.50E+00	5.26E-01	2.37E+01
1.89E+01	1.44E-01	4.39E-05	8.31E-02	3.44E+00	1.24E-01	1.41E+00	5.31E-01	2.36E+01
1.86E+01	1.46E-01	4.32E-05	7.77E-02	3.60E+00	1.20E-01	1.34E+00	5.37E-01	2.34E+01
1.83E+01	1.48E-01	4.23E-05	7.40E-02	3.66E+00	1.16E-01	1.29E+00	5.46E-01	2.30E+01
1.80E+01	1.51E-01	4.13E-05	7.01E-02	3.59E+00	1.11E-01	1.24E+00	5.55E-01	2.26E+01
1.77E+01	1.54E-01	4.09E-05	6.71E-02	3.47E+00	1.07E-01	1.22E+00	5.67E-01	2.22E+01
1.95E+01	1.43E-01	3.99E-05	1.05E-01	2.84E+00	1.39E-01	1.64E+00	5.28E-01	2.39E+01
1.92E+01	1.44E-01	4.00E-05	9.18E-02	3.31E+00	1.32E-01	1.53E+00	5.29E-01	2.39E+01
1.89E+01	1.45E-01	4.00E-05	8.53E-02	3.64E+00	1.28E-01	1.44E+00	5.34E-01	2.38E+01
1.85E+01	1.47E-01	3.98E-05	8.02E-02	3.80E+00	1.23E-01	1.36E+00	5.40E-01	2.35E+01
1.83E+01	1.49E-01	3.93E-05	7.58E-02	3.83E+00	1.19E-01	1.30E+00	5.47E-01	2.32E+01
1.79E+01	1.51E-01	3.89E-05	7.28E-02	3.80E+00	1.16E-01	1.25E+00	5.57E-01	2.27E+01
1.99E+01	1.45E-01	3.32E-05	1.25E-01	2.44E+00	1.61E-01	1.83E+00	5.35E-01	2.40E+01
1.95E+01	1.45E-01	3.39E-05	1.10E-01	3.05E+00	1.44E-01	1.69E+00	5.33E-01	2.41E+01
1.92E+01	1.46E-01	3.45E-05	9.73E-02	3.55E+00	1.37E-01	1.58E+00	5.36E-01	2.41E+01
1.88E+01	1.47E-01	3.50E-05	8.82E-02	3.89E+00	1.33E-01	1.49E+00	5.42E-01	2.40E+01
1.85E+01	1.48E-01	3.52E-05	8.24E-02	4.02E+00	1.27E-01	1.40E+00	5.45E-01	2.37E+01
1.81E+01	1.50E-01	3.54E-05	7.85E-02	4.07E+00	1.24E-01	1.34E+00	5.53E-01	2.33E+01
2.03E+01	1.48E-01	2.83E-05	1.49E-01	2.40E+00	1.84E-01	2.01E+00	5.44E-01	2.46E+01
1.99E+01	1.47E-01	2.77E-05	1.30E-01	2.66E+00	1.67E-01	1.87E+00	5.43E-01	2.43E+01
1.95E+01	1.48E-01	2.79E-05	1.15E-01	3.32E+00	1.52E-01	1.74E+00	5.43E-01	2.44E+01
1.91E+01	1.48E-01	2.89E-05	1.02E-01	3.82E+00	1.42E-01	1.63E+00	5.46E-01	2.44E+01
1.87E+01	1.49E-01	2.98E-05	9.21E-02	4.14E+00	1.37E-01	1.54E+00	5.50E-01	2.42E+01
1.84E+01	1.50E-01	3.04E-05	8.59E-02	4.27E+00	1.33E-01	1.44E+00	5.54E-01	2.39E+01
2.07E+01	1.50E-01	3.00E-05	1.86E-01	3.01E+00	2.08E-01	2.20E+00	5.53E-01	2.60E+01
2.03E+01	1.50E-01	2.85E-05	1.59E-01	2.70E+00	1.89E-01	2.05E+00	5.52E-01	2.50E+01
1.98E+01	1.50E-01	2.84E-05	1.38E-01	2.91E+00	1.73E-01	1.92E+00	5.52E-01	2.46E+01
1.94E+01	1.50E-01	2.87E-05	1.20E-01	3.60E+00	1.58E-01	1.80E+00	5.53E-01	2.47E+01
1.90E+01	1.51E-01	2.94E-05	1.06E-01	4.12E+00	1.50E-01	1.69E+00	5.57E-01	2.47E+01
1.87E+01	1.52E-01	2.95E-05	9.52E-02	4.40E+00	1.42E-01	1.58E+00	5.59E-01	2.45E+01
1.89E+01	1.54E-01	3.04E-05	1.12E-01	4.43E+00	1.56E-01	1.74E+00	5.69E-01	2.50E+01
1.86E+01	1.55E-01	2.94E-05	9.80E-02	4.71E+00	1.47E-01	1.63E+00	5.71E-01	2.47E+01
1.82E+01	1.56E-01	2.83E-05	8.90E-02	4.81E+00	1.39E-01	1.52E+00	5.74E-01	2.44E+01
1.93E+01	1.56E-01	3.29E-05	1.30E-01	4.26E+00	1.69E-01	1.89E+00	5.76E-01	2.54E+01
1.89E+01	1.57E-01	3.23E-05	1.15E-01	4.75E+00	1.58E-01	1.78E+00	5.78E-01	2.53E+01

168	486883.18	3856393.15	1.81307	0.34893	1.24462	1.95564	10.8205	1.0785	0.96375	0.34893
169	487208.74	3856886.11	1.99299	0.38198	1.44397	3.25572	25.2368	1.67186	1.19724	0.38198
170	487258.74	3856886.11	1.9341	0.38116	1.86208	2.8769	24.0142	1.51661	1.13875	0.38116
171	487308.74	3856886.11	1.87799	0.38094	1.37663	2.57375	25.4111	1.37809	1.08187	0.38094
172	487358.74	3856886.11	1.82583	0.38058	1.13954	2.32517	26.0922	1.30853	1.03064	0.38058
173	487208.74	3856936.11	2.0621	0.38594	1.61986	3.7999	29.6188	1.83343	1.24642	0.38594
174	487258.74	3856936.11	1.99664	0.38434	1.97355	3.2749	27.4298	1.66628	1.18389	0.38434
175	487308.74	3856936.11	1.93463	0.38358	1.46713	2.88988	25.0342	1.50358	1.12614	0.38358
176	487358.74	3856936.11	1.87684	0.38292	1.1551	2.58946	24.6617	1.3765	1.0734	0.38292
177	487208.74	3856986.11	2.13831	0.39139	1.896	4.70104	31.7957	2.02271	1.3066	0.39139
178	487258.74	3856986.11	2.0648	0.38951	2.11147	3.81532	29.6836	1.84351	1.23421	0.38951
179	487308.74	3856986.11	1.99762	0.38713	1.55795	3.28811	27.8741	1.6563	1.17363	0.38713
180	487358.74	3856986.11	1.9329	0.38623	1.05609	2.8978	25.7132	1.50641	1.11599	0.38623
181	487208.74	3857036.11	2.22279	0.39841	2.2092	6.65665	32.9349	2.24438	1.38191	0.39841
182	487258.74	3857036.11	2.14142	0.39508	2.21726	4.77091	30.9109	2.0369	1.29741	0.39508
183	487308.74	3857036.11	2.06555	0.39266	1.67418	3.84109	28.833	1.83763	1.22443	0.39266
184	487358.74	3857036.11	1.99475	0.39041	1.14168	3.28767	26.8242	1.66357	1.16214	0.39041
185	487427.14	3856878.23	1.74815	0.3817	1.07031	1.99919	25.9716	1.23297	0.95498	0.3817
186	487477.14	3856878.23	1.7003	0.38265	1.02632	1.82031	25.4175	1.17274	0.90916	0.38265
187	487527.14	3856878.23	1.65498	0.38351	0.97957	1.66104	25.7883	1.15936	0.86618	0.38351
188	487427.14	3856928.23	1.7937	0.38317	1.14292	2.21612	25.0951	1.30848	0.99826	0.38317
189	487477.14	3856928.23	1.7438	0.38321	1.11802	2.02203	24.8984	1.24724	0.95274	0.38321
190	487527.14	3856928.23	1.69483	0.38415	1.0872	1.84405	24.2448	1.21411	0.90854	0.38415
191	487577.14	3856928.23	1.64806	0.3851	1.15183	1.68327	24.7465	1.20969	0.86677	0.3851
192	487627.14	3856928.23	1.60459	0.3856	1.03681	1.53964	26.614	1.2057	0.82817	0.3856
193	487677.14	3856928.23	1.56042	0.38891	0.97134	1.40476	28.0638	1.22514	0.79059	0.38891
194	487727.14	3856928.23	1.5175	0.39462	0.93107	1.29969	29.3379	1.3006	0.75558	0.39462
195	487777.14	3856928.23	1.47755	0.39831	0.96351	1.23629	30.6171	1.36554	0.72397	0.39831
196	487427.14	3856978.23	1.84413	0.38459	1.1048	2.46363	23.7152	1.34802	1.04025	0.38459
197	487477.14	3856978.23	1.789	0.38476	1.11322	2.23612	23.8016	1.32136	0.99268	0.38476
198	487527.14	3856978.23	1.73666	0.38511	1.11214	2.04173	23.6449	1.28254	0.94754	0.38511
199	487577.14	3856978.23	1.68721	0.38558	1.22195	1.86837	23.3313	1.26765	0.90517	0.38558
200	487627.14	3856978.23	1.6411	0.38583	1.08323	1.71362	24.0196	1.25933	0.86584	0.38583
201	487677.14	3856978.23	1.59474	0.38992	1.05976	1.5672	25.6301	1.27147	0.82698	0.38992
202	487727.14	3856978.23	1.55438	0.38954	1.02661	1.43968	27.484	1.31345	0.79303	0.38954
203	487777.14	3856978.23	1.50696	0.39938	0.99773	1.31043	28.2332	1.42331	0.75573	0.39938
204	487427.14	3857028.23	1.89696	0.38755	1.06108	2.73808	23.8197	1.449	1.0808	0.38755
205	487477.14	3857028.23	1.83749	0.38659	1.00891	2.47143	22.5079	1.37434	1.03182	0.38659
206	487527.14	3857028.23	1.78191	0.38593	1.21914	2.24868	22.6681	1.35492	0.98637	0.38593
207	487577.14	3857028.23	1.72864	0.38528	1.27395	2.06008	22.453	1.33619	0.9428	0.38528
208	487627.14	3857028.23	1.67974	0.38613	1.06451	1.89521	23.1807	1.31738	0.90299	0.38613
209	487677.14	3857028.23	1.63117	0.38939	1.06709	1.73841	24.153	1.31933	0.86345	0.38939
210	487727.14	3857028.23	1.58343	0.3948	1.06314	1.59185	25.7588	1.39803	0.82476	0.3948
211	487777.14	3857028.23	1.5387	0.39868	1.05126	1.45992	27.24	1.47515	0.78921	0.39868
212	487427.14	3857078.23	1.95482	0.40032	1.14331	3.07619	25.0008	1.59808	1.12549	0.40032
213	487477.14	3857078.23	1.89038	0.39892	1.11095	2.74755	23.0848	1.48435	1.0739	0.39892
214	487527.14	3857078.23	1.82942	0.39855	1.35212	2.48261	21.2967	1.40369	1.0255	0.39855
215	487577.14	3857078.23	1.77248	0.39728	1.29944	2.26145	21.3025	1.38774	0.98086	0.39728
216	487627.14	3857078.23	1.71921	0.39469	0.97805	2.07649	22.1918	1.39181	0.93931	0.39469
217	487677.14	3857078.23	1.66769	0.39371	0.98928	1.91001	23.4271	1.39555	0.89888	0.39371
218	487727.14	3857078.23	1.61814	0.39403	1.00979	1.75589	24.0946	1.45603	0.86019	0.39403
219	487777.14	3857078.23	1.57199	0.39644	1.02149	1.61723	25.4842	1.52259	0.8242	0.39644
220	487427.14	3857128.23	2.01719	0.41481	1.13339	3.54232	26.1383	1.7603	1.1765	0.41481
221	487477.14	3857128.23	1.94666	0.41239	1.15833	3.0892	24.4276	1.62241	1.12025	0.41239
222	487527.14	3857128.23	1.88098	0.41001	1.47287	2.75958	22.6341	1.50954	1.0693	0.41001
223	487577.14	3857128.23	1.81885	0.40935	1.28927	2.4952	20.695	1.45297	1.02168	0.40935
224	487627.14	3857128.23	1.76049	0.40868	1.06963	2.27479	20.3648	1.43887	0.97715	0.40868

1.86E+01	1.57E-01	3.16E-05	1.01E-01	4.99E+00	1.49E-01	1.66E+00	5.78E-01	2.51E+01
2.04E+01	1.72E-01	3.66E-05	1.69E-01	1.16E+01	2.31E-01	2.07E+00	6.33E-01	3.41E+01
1.98E+01	1.72E-01	4.72E-05	1.49E-01	1.11E+01	2.10E-01	1.97E+00	6.32E-01	3.28E+01
1.93E+01	1.71E-01	3.49E-05	1.33E-01	1.17E+01	1.91E-01	1.87E+00	6.31E-01	3.27E+01
1.87E+01	1.71E-01	2.89E-05	1.20E-01	1.20E+01	1.81E-01	1.78E+00	6.31E-01	3.24E+01
2.11E+01	1.74E-01	4.11E-05	1.97E-01	1.36E+01	2.53E-01	2.15E+00	6.39E-01	3.69E+01
2.05E+01	1.73E-01	5.01E-05	1.70E-01	1.26E+01	2.30E-01	2.04E+00	6.37E-01	3.51E+01
1.98E+01	1.73E-01	3.72E-05	1.50E-01	1.15E+01	2.08E-01	1.94E+00	6.36E-01	3.32E+01
1.92E+01	1.72E-01	2.93E-05	1.34E-01	1.14E+01	1.90E-01	1.85E+00	6.34E-01	3.23E+01
2.19E+01	1.76E-01	4.81E-05	2.43E-01	1.47E+01	2.80E-01	2.26E+00	6.49E-01	3.89E+01
2.12E+01	1.75E-01	5.36E-05	1.98E-01	1.37E+01	2.55E-01	2.13E+00	6.45E-01	3.70E+01
2.05E+01	1.74E-01	3.95E-05	1.70E-01	1.28E+01	2.29E-01	2.03E+00	6.41E-01	3.53E+01
1.98E+01	1.74E-01	2.68E-05	1.50E-01	1.18E+01	2.08E-01	1.93E+00	6.40E-01	3.35E+01
2.28E+01	1.79E-01	5.60E-05	3.45E-01	1.52E+01	3.10E-01	2.39E+00	6.60E-01	4.05E+01
2.20E+01	1.78E-01	5.62E-05	2.47E-01	1.42E+01	2.82E-01	2.24E+00	6.55E-01	3.85E+01
2.12E+01	1.77E-01	4.25E-05	1.99E-01	1.33E+01	2.54E-01	2.11E+00	6.51E-01	3.66E+01
2.05E+01	1.76E-01	2.90E-05	1.70E-01	1.24E+01	2.30E-01	2.01E+00	6.47E-01	3.48E+01
1.79E+01	1.72E-01	2.72E-05	1.03E-01	1.20E+01	1.70E-01	1.65E+00	6.32E-01	3.14E+01
1.74E+01	1.72E-01	2.60E-05	9.42E-02	1.17E+01	1.62E-01	1.57E+00	6.34E-01	3.05E+01
1.70E+01	1.73E-01	2.48E-05	8.60E-02	1.19E+01	1.60E-01	1.50E+00	6.35E-01	3.01E+01
1.84E+01	1.72E-01	2.90E-05	1.15E-01	1.16E+01	1.81E-01	1.72E+00	6.35E-01	3.15E+01
1.79E+01	1.72E-01	2.84E-05	1.05E-01	1.15E+01	1.72E-01	1.64E+00	6.35E-01	3.08E+01
1.74E+01	1.73E-01	2.76E-05	9.55E-02	1.12E+01	1.68E-01	1.57E+00	6.37E-01	2.99E+01
1.69E+01	1.73E-01	2.92E-05	8.71E-02	1.14E+01	1.67E-01	1.50E+00	6.38E-01	2.96E+01
1.65E+01	1.74E-01	2.63E-05	7.97E-02	1.23E+01	1.67E-01	1.43E+00	6.39E-01	2.99E+01
1.60E+01	1.75E-01	2.46E-05	7.27E-02	1.29E+01	1.69E-01	1.36E+00	6.44E-01	3.01E+01
1.56E+01	1.78E-01	2.36E-05	6.73E-02	1.35E+01	1.80E-01	1.30E+00	6.54E-01	3.02E+01
1.52E+01	1.79E-01	2.44E-05	6.40E-02	1.41E+01	1.89E-01	1.25E+00	6.60E-01	3.03E+01
1.89E+01	1.73E-01	2.80E-05	1.28E-01	1.09E+01	1.86E-01	1.80E+00	6.37E-01	3.15E+01
1.83E+01	1.73E-01	2.82E-05	1.16E-01	1.10E+01	1.83E-01	1.71E+00	6.38E-01	3.09E+01
1.78E+01	1.73E-01	2.82E-05	1.06E-01	1.09E+01	1.77E-01	1.64E+00	6.38E-01	3.02E+01
1.73E+01	1.74E-01	3.10E-05	9.67E-02	1.08E+01	1.75E-01	1.56E+00	6.39E-01	2.94E+01
1.68E+01	1.74E-01	2.75E-05	8.87E-02	1.11E+01	1.74E-01	1.49E+00	6.39E-01	2.92E+01
1.64E+01	1.75E-01	2.69E-05	8.11E-02	1.18E+01	1.76E-01	1.43E+00	6.46E-01	2.94E+01
1.59E+01	1.75E-01	2.60E-05	7.45E-02	1.27E+01	1.82E-01	1.37E+00	6.45E-01	2.98E+01
1.55E+01	1.80E-01	2.53E-05	6.78E-02	1.30E+01	1.97E-01	1.30E+00	6.62E-01	2.96E+01
1.95E+01	1.74E-01	2.69E-05	1.42E-01	1.10E+01	2.00E-01	1.87E+00	6.42E-01	3.22E+01
1.88E+01	1.74E-01	2.56E-05	1.28E-01	1.04E+01	1.90E-01	1.78E+00	6.41E-01	3.08E+01
1.83E+01	1.74E-01	3.09E-05	1.16E-01	1.04E+01	1.87E-01	1.70E+00	6.39E-01	3.03E+01
1.77E+01	1.73E-01	3.23E-05	1.07E-01	1.03E+01	1.85E-01	1.63E+00	6.38E-01	2.95E+01
1.72E+01	1.74E-01	2.70E-05	9.81E-02	1.07E+01	1.82E-01	1.56E+00	6.40E-01	2.93E+01
1.67E+01	1.75E-01	2.71E-05	9.00E-02	1.11E+01	1.82E-01	1.49E+00	6.45E-01	2.91E+01
1.62E+01	1.78E-01	2.70E-05	8.24E-02	1.19E+01	1.93E-01	1.42E+00	6.54E-01	2.93E+01
1.58E+01	1.79E-01	2.67E-05	7.56E-02	1.26E+01	2.04E-01	1.36E+00	6.61E-01	2.95E+01
2.00E+01	1.80E-01	2.90E-05	1.59E-01	1.15E+01	2.21E-01	1.94E+00	6.63E-01	3.34E+01
1.94E+01	1.80E-01	2.82E-05	1.42E-01	1.06E+01	2.05E-01	1.85E+00	6.61E-01	3.17E+01
1.88E+01	1.79E-01	3.43E-05	1.29E-01	9.81E+00	1.94E-01	1.77E+00	6.60E-01	3.02E+01
1.82E+01	1.79E-01	3.30E-05	1.17E-01	9.82E+00	1.92E-01	1.69E+00	6.58E-01	2.95E+01
1.76E+01	1.78E-01	2.48E-05	1.07E-01	1.02E+01	1.92E-01	1.62E+00	6.54E-01	2.93E+01
1.71E+01	1.77E-01	2.51E-05	9.89E-02	1.08E+01	1.93E-01	1.55E+00	6.52E-01	2.93E+01
1.66E+01	1.77E-01	2.56E-05	9.09E-02	1.11E+01	2.01E-01	1.49E+00	6.53E-01	2.90E+01
1.61E+01	1.78E-01	2.59E-05	8.37E-02	1.17E+01	2.11E-01	1.42E+00	6.57E-01	2.91E+01
2.07E+01	1.87E-01	2.88E-05	1.83E-01	1.20E+01	2.43E-01	2.03E+00	6.87E-01	3.47E+01
2.00E+01	1.86E-01	2.94E-05	1.60E-01	1.13E+01	2.24E-01	1.93E+00	6.83E-01	3.30E+01
1.93E+01	1.85E-01	3.74E-05	1.43E-01	1.04E+01	2.09E-01	1.85E+00	6.79E-01	3.14E+01
1.87E+01	1.84E-01	3.27E-05	1.29E-01	9.54E+00	2.01E-01	1.76E+00	6.78E-01	2.98E+01
1.81E+01	1.84E-01	2.71E-05	1.18E-01	9.38E+00	1.99E-01	1.69E+00	6.77E-01	2.89E+01

225	487677.14	3857128.23	1.70641	0.40571	1.03387	2.08713	22.1323	1.44161	0.93634	0.40571	1.75E+01	1.83E-01	2.62E-05	1.08E-01	1.02E+01	1.99E-01	1.62E+00	6.72E-01	2.91E+01
226	487727.14	3857128.23	1.65297	0.407	0.9964	1.91763	23.1698	1.46934	0.89574	0.407	1.69E+01	1.83E-01	2.53E-05	9.93E-02	1.07E+01	2.03E-01	1.55E+00	6.74E-01	2.90E+01
227	487777.14	3857128.23	1.60419	0.40435	0.95321	1.77312	23.8693	1.58262	0.85889	0.40435	1.64E+01	1.82E-01	2.42E-05	9.18E-02	1.10E+01	2.19E-01	1.48E+00	6.70E-01	2.88E+01
228	488049.44	3856539.39	1.14325	0.40487	1.06115	0.95358	14.8931	0.62596	0.5485	0.40487	1.17E+01	1.82E-01	2.69E-05	4.94E-02	6.86E+00	8.65E-02	9.47E-01	6.71E-01	1.92E+01
229	488099.44	3856539.39	1.1331	0.39869	1.07954	0.99595	13.1294	0.61315	0.54143	0.39869	1.16E+01	1.79E-01	2.74E-05	5.16E-02	6.05E+00	8.48E-02	9.35E-01	6.61E-01	1.83E+01
230	488149.44	3856539.39	1.1206	0.39213	1.03098	1.04361	11.7178	0.60602	0.53276	0.39213	1.15E+01	1.76E-01	2.62E-05	5.40E-02	5.40E+00	8.38E-02	9.20E-01	6.50E-01	1.75E+01
231	488049.44	3856589.39	1.15429	0.41049	1.04127	0.98086	14.8781	0.64588	0.54618	0.41049	1.18E+01	1.85E-01	2.64E-05	5.08E-02	6.86E+00	8.93E-02	9.43E-01	6.80E-01	1.93E+01
232	488099.44	3856589.39	1.14264	0.40572	1.10099	1.02719	12.9323	0.63433	0.53962	0.40572	1.17E+01	1.83E-01	2.79E-05	5.32E-02	5.96E+00	8.77E-02	9.32E-01	6.72E-01	1.83E+01
233	488149.44	3856589.39	1.13016	0.40015	1.09109	1.07345	11.9656	0.62551	0.53213	0.40015	1.16E+01	1.80E-01	2.77E-05	5.56E-02	5.51E+00	8.65E-02	9.19E-01	6.63E-01	1.77E+01
234	488199.44	3856589.39	1.11873	0.39341	1.00922	1.10871	11.3422	0.61577	0.52476	0.39341	1.15E+01	1.77E-01	2.56E-05	5.74E-02	5.23E+00	8.51E-02	9.06E-01	6.52E-01	1.73E+01
235	488249.44	3856589.39	1.10155	0.38715	0.87702	1.1743	10.5948	0.62289	0.51402	0.38715	1.13E+01	1.74E-01	2.22E-05	6.08E-02	4.88E+00	8.61E-02	8.87E-01	6.41E-01	1.67E+01
236	488049.44	3856639.39	1.16699	0.41465	0.99653	1.00513	14.4017	0.66557	0.546	0.41465	1.20E+01	1.87E-01	2.53E-05	5.20E-02	6.64E+00	9.20E-02	9.43E-01	6.87E-01	1.92E+01
237	488099.44	3856639.39	1.15421	0.41111	1.09488	1.05309	12.8428	0.65416	0.53931	0.41111	1.18E+01	1.85E-01	2.78E-05	5.45E-02	5.92E+00	9.04E-02	9.31E-01	6.81E-01	1.83E+01
238	488149.44	3856639.39	1.14111	0.40669	1.12732	1.10013	12.0417	0.64495	0.53239	0.40669	1.17E+01	1.83E-01	2.86E-05	5.70E-02	5.55E+00	8.92E-02	9.19E-01	6.74E-01	1.78E+01
239	488199.44	3856639.39	1.12613	0.402	1.08665	1.15306	11.4399	0.64252	0.5246	0.402	1.15E+01	1.81E-01	2.76E-05	5.97E-02	5.27E+00	8.88E-02	9.06E-01	6.66E-01	1.74E+01
240	488249.44	3856639.39	1.11186	0.39602	0.97699	1.19988	11.5219	0.64446	0.51623	0.39602	1.14E+01	1.78E-01	2.48E-05	6.21E-02	5.31E+00	8.91E-02	8.91E-01	6.56E-01	1.73E+01
241	488299.44	3856639.39	1.0974	0.38919	0.81848	1.25	11.3889	0.66236	0.50727	0.38919	1.13E+01	1.75E-01	2.08E-05	6.47E-02	5.25E+00	9.16E-02	8.76E-01	6.45E-01	1.71E+01
242	488349.44	3856639.39	1.0843	0.38132	0.77602	1.29625	11.1409	0.70301	0.49825	0.38132	1.11E+01	1.72E-01	1.97E-05	6.71E-02	5.13E+00	9.72E-02	8.60E-01	6.32E-01	1.68E+01
243	488399.44	3856639.39	1.06799	0.37282	0.76324	1.3709	10.7117	0.7849	0.48608	0.37282	1.10E+01	1.68E-01	1.94E-05	7.10E-02	4.94E+00	1.09E-01	8.39E-01	6.18E-01	1.65E+01
244	488099.44	3856689.39	1.16573	0.41554	1.06333	1.08372	12.6911	0.67751	0.53889	0.41554	1.20E+01	1.87E-01	2.70E-05	5.61E-02	5.85E+00	9.37E-02	9.30E-01	6.89E-01	1.84E+01
245	488149.44	3856689.39	1.15202	0.41202	1.13797	1.13152	12.5925	0.66789	0.53175	0.41202	1.18E+01	1.85E-01	2.89E-05	5.86E-02	5.80E+00	9.23E-02	9.18E-01	6.83E-01	1.82E+01
246	488199.44	3856689.39	1.13655	0.40811	1.13987	1.1856	12.4259	0.66645	0.52357	0.40811	1.17E+01	1.84E-01	2.89E-05	6.14E-02	5.73E+00	9.21E-02	9.04E-01	6.76E-01	1.79E+01
247	488249.44	3856689.39	1.12301	0.40278	1.06465	1.22488	12.1527	0.66988	0.51638	0.40278	1.15E+01	1.81E-01	2.70E-05	6.34E-02	5.60E+00	9.26E-02	8.92E-01	6.67E-01	1.77E+01
248	488299.44	3856689.39	1.1063	0.39716	0.92796	1.28669	11.6268	0.70544	0.50663	0.39716	1.13E+01	1.79E-01	2.35E-05	6.66E-02	5.36E+00	9.75E-02	8.75E-01	6.58E-01	1.73E+01
249	488349.44	3856689.39	1.09246	0.39021	0.87557	1.33433	11.1477	0.76478	0.49834	0.39021	1.12E+01	1.76E-01	2.22E-05	6.91E-02	5.14E+00	1.06E-01	8.60E-01	6.47E-01	1.69E+01
250	488399.44	3856689.39	1.08105	0.38248	0.8461	1.37044	10.7248	0.83422	0.49132	0.38248	1.11E+01	1.72E-01	2.15E-05	7.09E-02	4.94E+00	1.15E-01	8.48E-01	6.34E-01	1.66E+01
251	488099.44	3856739.39	1.17776	0.41885	1.03776	1.11711	13.4197	0.7043	0.54026	0.41885	1.21E+01	1.89E-01	2.63E-05	5.78E-02	6.18E+00	9.74E-02	9.33E-01	6.94E-01	1.88E+01
252	488149.44	3856739.39	1.16415	0.41579	1.12072	1.16121	13.2427	0.69197	0.53282	0.41579	1.19E+01	1.87E-01	2.84E-05	6.01E-02	6.10E+00	9.57E-02	9.20E-01	6.89E-01	1.86E+01
253	488199.44	3856739.39	1.14683	0.41329	1.16747	1.2245	12.626	0.69639	0.52316	0.41329	1.18E+01	1.86E-01	2.96E-05	6.34E-02	5.82E+00	9.63E-02	9.03E-01	6.85E-01	1.81E+01
254	488249.44	3856739.39	1.13256	0.40873	1.13491	1.26588	12.0765	0.70862	0.51584	0.40873	1.16E+01	1.84E-01	2.88E-05	6.55E-02	5.57E+00	9.80E-02	8.91E-01	6.77E-01	1.77E+01
255	488299.44	3856739.39	1.12051	0.40321	1.02637	1.29079	11.5878	0.74193	0.50984	0.40321	1.15E+01	1.81E-01	2.60E-05	6.68E-02	5.34E+00	1.03E-01	8.80E-01	6.68E-01	1.74E+01
256	488349.44	3856739.39	1.10191	0.39816	0.95462	1.36893	10.8721	0.8364	0.49897	0.39816	1.13E+01	1.79E-01	2.42E-05	7.09E-02	5.01E+00	1.16E-01	8.61E-01	6.60E-01	1.69E+01
257	488399.44	3856739.39	1.08405	0.39287	0.97713	1.45027	10.2651	0.94357	0.48906	0.39287	1.11E+01	1.77E-01	2.48E-05	7.51E-02	4.73E+00	1.30E-01	8.44E-01	6.51E-01	1.64E+01
258	487999.44	3856789.39	1.23804	0.41787	1.13224	1.02893	17.4475	0.84011	0.56894	0.41787	1.27E+01	1.88E-01	2.87E-05	5.33E-02	8.04E+00	1.16E-01	9.82E-01	6.92E-01	2.14E+01
259	488049.44	3856789.39	1.21158	0.41894	1.10133	1.07659	15.7083	0.72953	0.55696	0.41894	1.24E+01	1.89E-01	2.79E-05	5.57E-02	7.24E+00	1.01E-01	9.62E-01	6.94E-01	2.03E+01
260	488099.44	3856789.39	1.19281	0.42027	1.07058	1.1401	14.5669	0.72673	0.54533	0.42027	1.22E+01	1.89E-01	2.72E-05	5.90E-02	6.71E+00	1.00E-01	9.42E-01	6.96E-01	1.95E+01
261	488149.44	3856789.39	1.17699	0.41866	1.07697	1.19183	14.0024	0.71853	0.53581	0.41866	1.21E+01	1.88E-01	2.73E-05	6.17E-02	6.45E+00	9.93E-02	9.25E-01	6.94E-01	1.91E+01
262	488199.44	3856789.39	1.15987	0.41707	1.16687	1.25131	13.4875	0.7253	0.52625	0.41707	1.19E+01	1.88E-01	2.96E-05	6.48E-02	6.22E+00	1.00E-01	9.09E-01	6.91E-01	1.87E+01
263	488249.44	3856789.39	1.14423	0.41386	1.18069	1.29819	13.0485	0.75243	0.51776	0.41386	1.17E+01	1.86E-01	3.00E-05	6.72E-02	6.01E+00	1.04E-01	8.94E-01	6.86E-01	1.83E+01
264	488299.44	3856789.39	1.1303	0.40908	1.11312	1.3314	12.5362	0.80973	0.51024	0.40908	1.16E+01	1.84E-01	2.82E-05	6.89E-02	5.78E+00	1.12E-01	8.81E-01	6.78E-01	1.79E+01
265	488349.44	3856789.39	1.11118	0.40634	0.9761	1.41094	12.1902	0.92335	0.50052	0.40634	1.14E+01	1.83E-01	2.48E-05	7.30E-02	5.62E+00	1.28E-01	8.64E-01	6.73E-01	1.76E+01
266	488399.44	3856789.39	1.09406	0.40183	1.31622	1.48303	11.9985	1.01932	0.49152	0.40183	1.12E+01	1.81E-01	3.34E-05	7.68E-02	5.53E+00	1.41E-01	8.49E-01	6.66E-01	1.73E+01
267	487949.44	3856839.39	1.29922	0.41438	1.19578	1.01915	22.4163	1.05069	0.59758	0.41438	1.33E+01	1.86E-01	3.03E-05	5.28E-02	1.03E+01	1.45E-01	1.03E+00	6.87E-01	2.44E+01
268	487999.44	3856839.39	1.26223	0.41701	1.1823	1.05621	18.2648	0.89636	0.58152	0.41701	1.29E+01	1.88E-01	3.00E-05	5.47E-02	8.42E+00	1.24E-01	1.00E+00	6.91E-01	2.20E+01
269	488049.44	3856839.39	1.22814	0.41865	1.16557	1.10208	17.0914	0.75418	0.56725	0.41865	1.26E+01	1.88E-01	2.96E-05	5.71E-02	7.88E+00	1.04E-01	9.79E-01	6.94E-01	2.11E+01
270	488099.44	3856839.39	1.20924	0.42021	1.14657	1.16016	16.262	0.74802	0.5541	0.42021	1.24E+01	1.89E-01	2.91E-05	6.01E-02	7.49E+00	1.03E-01	9.57E-01	6.96E-01	2.05E+01
271	488149.44	3856839.39	1.19069	0.42096	1.12525	1.22234	15.6315	0.74812	0.54214	0.42096	1.22E+01	1.89E-01	2.85E-05	6.33E-02	7.20E+00	1.03E-01	9.36E-01	6.98E-01	2.00E+01
272	488199.44	3856839.39	1.1727	0.42051	1.13808	1.2841	15.0661	0.76582	0.53126	0.42051	1.20E+01	1.89E-01	2.89E-05	6.65E-02	6.94E+00	1.06E-01	9.17E-01	6.97E-01	1.96E+01
273	487949.44	3856889.39	1.3259	0.41178	1.14629	1.04666	24.1146	1.10411	0.61704	0.41178	1.36E+01	1.85E-01	2.91E-05	5.42E-02	1.11E+01	1.53E-01	1.07E+00	6.82E-01	2.55E+01
274	487999.44	3856889.39	1.28614	0.41681	1.15203	1.09094	19.7409	0.96046	0.5973	0.41681	1.32E+01	1.88E-01	2.92E-05	5.65E-02	9.10E+00	1.33E-01	1.03E+00	6.91E-01	2.30E+01
275	488049.44	3856889.39	1.24955	0.41753	1.15196	1.12663	18.9156	0.77761	0.58129	0.41753	1.28E+01	1.88E-01	2.92E-05	5.83E-02	8.72E+00	1.08E-01	1.00E+00	6.92E-01	2.22E+01
276	488099.44	3856889.39	1.22493	0.42082	1.14973	1.1883	18.0526	0.77829	0.56538	0.42082	1.26E+01	1.89E-01	2.92E-05	6.15E-02	8.32E+00	1.08E-01	9.76E-01	6.97E-01	2.15E+01
277	488635.86	3857895.05	1.33577	0.56365	3.86942	2.85181	13.4092	1.75618	0.8039	0.56365	1.37E+01	2.54E-01	9.82E-05	1.48E-01	6.18E+00	2.43E-01	1.39E+00	9.34E-01	2.10E+01
278	489137.64	3857804.15	1.18024	0.43917	3.00344	2.40912	9.29099	1.31446	0.5534	0.43917	1.21E+01	1.98E-01	7.62E-05	1.25E-01	4.28E+00	1.82E-01	9.55E-01	7.28E-01	1.71E+01
279	488617.32	3857859.41	1.31077	0.55213	3.7767	2.76982	14.3971	1.75259	0.7924	0.55213	1.34E+01	2.48E-01	9.58E-05	1.43E-01	6.63E+00	2.42E-01	1.37E+00	9.15E-01	2.12E+01
280	488667.32	3857859.41	1.29784	0.54143	3.70499	2.80604	14.2758	1.69524	0.76983	0.54143	1.33E+01	2.44E-01	9.40E-05	1.45E-01	6.58E+00	2.34E-01	1.33E+00	8.97E-01	2.09E+01
281	488717.32	3857859.41	1.29121	0.52848	3.66782	2.85302	14.0596	1.64441	0.74784	0.52848	1.32E+01	2.38E-01	9.30E-05	1.48E-01	6.48E+00	2.27E-01	1.29E+00	8.76E-01	2.07E+01

282	488767.32	3857859.41	1.29328	0.50881	3.59785	2.93905	13.7053	1.60155	0.72485	0.50881	1.33E+01	2.29E-01	9.13E-05	1.52E-01	6.32E+00	2.21E-01	1.25E+00	8.43E-01	2.06E+01
283	488617.32	3857909.41	1.35463	0.58005	3.85038	2.86903	12.9016	1.78657	0.82137	0.58005	1.39E+01	2.61E-01	9.77E-05	1.49E-01	5.95E+00	2.47E-01	1.42E+00	9.61E-01	2.09E+01
284	488667.32	3857909.41	1.34023	0.55839	3.67746	2.91299	13.0069	1.72706	0.79701	0.55839	1.37E+01	2.51E-01	9.33E-05	1.51E-01	5.99E+00	2.39E-01	1.38E+00	9.25E-01	2.08E+01
285	488717.32	3857909.41	1.33604	0.55329	3.51845	2.93806	13.0843	1.67283	0.77468	0.55329	1.37E+01	2.49E-01	8.93E-05	1.52E-01	6.03E+00	2.31E-01	1.34E+00	9.17E-01	2.08E+01
286	488767.32	3857909.41	1.34172	0.53843	3.34548	3.0108	12.9683	1.62472	0.75201	0.53843	1.38E+01	2.42E-01	8.49E-05	1.56E-01	5.98E+00	2.25E-01	1.30E+00	8.92E-01	2.08E+01
287	488417.32	3857959.41	1.50803	0.67828	3.98891	3.13043	17.0817	2.14165	0.9804	0.67828	1.55E+01	3.05E-01	1.01E-04	1.62E-01	7.87E+00	2.96E-01	1.69E+00	1.12E+00	2.47E+01
288	488467.32	3857959.41	1.47574	0.66658	3.72402	3.02905	14.0139	2.04186	0.94285	0.66658	1.51E+01	3.00E-01	9.45E-05	1.57E-01	6.46E+00	2.82E-01	1.63E+00	1.10E+00	2.29E+01
289	488517.32	3857959.41	1.44822	0.64401	3.47455	2.99254	11.0041	1.952	0.91042	0.64401	1.49E+01	2.90E-01	8.81E-05	1.55E-01	5.07E+00	2.70E-01	1.57E+00	1.07E+00	2.11E+01
290	488567.32	3857959.41	1.42409	0.62277	3.29939	2.98605	10.3885	1.87047	0.88067	0.62277	1.46E+01	2.80E-01	8.37E-05	1.55E-01	4.79E+00	2.59E-01	1.52E+00	1.03E+00	2.06E+01
291	488617.32	3857959.41	1.40298	0.60877	3.20669	2.98854	11.0158	1.80033	0.85337	0.60877	1.44E+01	2.74E-01	8.13E-05	1.55E-01	5.08E+00	2.49E-01	1.47E+00	1.01E+00	2.06E+01
292	488667.32	3857959.41	1.38859	0.597	3.11149	3.00383	11.4622	1.73739	0.82752	0.597	1.42E+01	2.69E-01	7.89E-05	1.55E-01	5.28E+00	2.40E-01	1.43E+00	9.89E-01	2.06E+01
293	488717.32	3857959.41	1.38872	0.58534	3.01324	3.04092	11.7329	1.67879	0.80429	0.58534	1.42E+01	2.63E-01	7.64E-05	1.57E-01	5.41E+00	2.32E-01	1.39E+00	9.70E-01	2.07E+01
294	488767.32	3857959.41	1.39759	0.5743	3.00327	3.09357	11.8848	1.62508	0.78074	0.5743	1.43E+01	2.58E-01	7.62E-05	1.60E-01	5.48E+00	2.25E-01	1.35E+00	9.52E-01	2.08E+01
295	488417.32	3858009.41	1.62093	0.7186	4.51783	3.45934	17.9541	2.30941	1.02925	0.7186	1.66E+01	3.23E-01	1.15E-04	1.79E-01	8.27E+00	3.19E-01	1.78E+00	1.19E+00	2.63E+01
296	488467.32	3858009.41	1.53907	0.7019	4.42765	3.27399	15.1759	2.20084	0.98696	0.7019	1.58E+01	3.16E-01	1.12E-04	1.69E-01	6.99E+00	3.04E-01	1.70E+00	1.16E+00	2.41E+01
297	488517.32	3858009.41	1.50804	0.67817	4.33606	3.18837	12.3238	2.09673	0.95125	0.67817	1.55E+01	3.05E-01	1.10E-04	1.65E-01	5.68E+00	2.90E-01	1.64E+00	1.12E+00	2.24E+01
298	488567.32	3858009.41	1.48021	0.66513	4.24421	3.15114	9.59027	1.99765	0.91972	0.66513	1.52E+01	2.99E-01	1.08E-04	1.63E-01	4.42E+00	2.76E-01	1.59E+00	1.10E+00	2.08E+01
299	488617.32	3858009.41	1.45619	0.65001	4.14881	3.12525	8.92334	1.90071	0.88926	0.65001	1.49E+01	2.93E-01	1.05E-04	1.62E-01	4.11E+00	2.63E-01	1.54E+00	1.08E+00	2.02E+01
300	488667.32	3858009.41	1.44401	0.63627	4.05303	3.12083	9.62186	1.80817	0.86066	0.63627	1.48E+01	2.86E-01	1.03E-04	1.62E-01	4.43E+00	2.50E-01	1.49E+00	1.05E+00	2.04E+01
301	488717.32	3858009.41	1.45169	0.62418	3.95903	3.14063	10.1478	1.72411	0.83541	0.62418	1.49E+01	2.81E-01	1.00E-04	1.63E-01	4.68E+00	2.38E-01	1.44E+00	1.03E+00	2.07E+01
302	488767.32	3858009.41	1.45989	0.61124	3.86592	3.18224	10.5252	1.65267	0.81122	0.61124	1.50E+01	2.75E-01	9.81E-05	1.65E-01	4.85E+00	2.28E-01	1.40E+00	1.01E+00	2.09E+01
303	488417.32	3858059.41	1.75456	0.75876	4.79964	3.95707	18.5547	2.52812	1.0854	0.75876	1.80E+01	3.41E-01	1.22E-04	2.05E-01	8.55E+00	3.50E-01	1.87E+00	1.26E+00	2.81E+01
304	488467.32	3858059.41	1.64238	0.73608	4.62412	3.61561	16.1115	2.36223	1.03945	0.73608	1.68E+01	3.31E-01	1.17E-04	1.87E-01	7.42E+00	3.27E-01	1.79E+00	1.22E+00	2.57E+01
305	488517.32	3858059.41	1.5734	0.7195	4.46335	3.44644	13.4894	2.23722	0.99783	0.7195	1.61E+01	3.24E-01	1.13E-04	1.78E-01	6.22E+00	3.09E-01	1.72E+00	1.19E+00	2.37E+01
306	488567.32	3858059.41	1.54156	0.70845	4.31379	3.35542	10.8574	2.12352	0.96083	0.70845	1.58E+01	3.19E-01	1.09E-04	1.74E-01	5.00E+00	2.94E-01	1.66E+00	1.17E+00	2.21E+01
307	488617.32	3858059.41	1.51507	0.69445	4.17365	3.30358	8.6182	2.01863	0.92643	0.69445	1.55E+01	3.13E-01	1.06E-04	1.71E-01	3.97E+00	2.79E-01	1.60E+00	1.15E+00	2.07E+01
308	488667.32	3858059.41	1.50983	0.67768	4.03908	3.27138	7.69035	1.91719	0.89538	0.67768	1.55E+01	3.05E-01	1.02E-04	1.69E-01	3.54E+00	2.65E-01	1.55E+00	1.12E+00	2.02E+01
309	488417.32	3858109.41	1.92366	0.78943	3.35622	4.8811	18.9887	3.02527	1.15811	0.78943	1.97E+01	3.55E-01	8.51E-05	2.53E-01	8.75E+00	4.18E-01	2.00E+00	1.31E+00	3.02E+01
310	488467.32	3858109.41	1.78374	0.7715	3.28003	4.08662	16.8766	2.61021	1.09291	0.7715	1.83E+01	3.47E-01	8.32E-05	2.12E-01	7.78E+00	3.61E-01	1.89E+00	1.28E+00	2.76E+01
311	488517.32	3858109.41	1.66477	0.7615	3.20946	3.79752	14.4926	2.38296	1.04757	0.7615	1.71E+01	3.43E-01	8.14E-05	1.97E-01	6.68E+00	3.29E-01	1.81E+00	1.26E+00	2.52E+01
312	488567.32	3858109.41	1.60907	0.74985	3.13764	3.62114	12.0202	2.25369	1.00317	0.74985	1.65E+01	3.37E-01	7.96E-05	1.87E-01	5.54E+00	3.12E-01	1.73E+00	1.24E+00	2.34E+01
313	488617.32	3858109.41	1.5829	0.7348	3.07011	3.51855	9.59295	2.13398	0.96307	0.7348	1.62E+01	3.31E-01	7.79E-05	1.82E-01	4.42E+00	2.95E-01	1.66E+00	1.22E+00	2.19E+01
314	488667.32	3858109.41	1.59163	0.71684	2.99198	3.44639	8.06805	2.02432	0.92872	0.71684	1.63E+01	3.23E-01	7.59E-05	1.78E-01	3.72E+00	2.80E-01	1.60E+00	1.19E+00	2.12E+01
315	488769.93	3858449.27	2.12647	1.01697	1.89863	6.19684	10.1142	3.55256	1.20599	1.01697	2.18E+01	4.58E-01	4.82E-05	3.21E-01	4.66E+00	4.91E-01	2.08E+00	1.69E+00	2.81E+01
316	488819.93	3858449.27	2.00242	0.96762	1.82109	5.42402	8.47935	3.11156	1.13008	0.96762	2.05E+01	4.35E-01	4.62E-05	2.81E-01	3.91E+00	4.30E-01	1.95E+00	1.60E+00	2.59E+01
317	488819.93	3858499.27	2.05734	1.07136	1.8963	6.46865	9.26422	3.62529	1.2137	1.07136	2.11E+01	4.82E-01	4.81E-05	3.35E-01	4.27E+00	5.01E-01	2.10E+00	1.78E+00	2.70E+01
318	488869.93	3858499.27	1.96123	1.02375	1.79855	5.66838	8.02948	3.16341	1.13669	1.02375	2.01E+01	4.61E-01	4.56E-05	2.93E-01	3.70E+00	4.37E-01	1.96E+00	1.70E+00	2.53E+01
319	488869.93	3858549.27	2.02825	1.11478	1.84519	6.7579	8.49572	3.69663	1.22175	1.11478	2.08E+01	5.02E-01	4.68E-05	3.50E-01	3.92E+00	5.11E-01	2.11E+00	1.85E+00	2.63E+01
320	489438.17	3859571.48	1.45897	1.46965	5.28639	2.37171	6.70137	1.39041	1.4777	1.46965	1.50E+01	6.61E-01	1.34E-04	1.23E-01	3.09E+00	1.92E-01	2.55E+00	2.44E+00	1.91E+01
321	489488.17	3859571.48	1.44389	1.55427	4.78421	2.33627	6.10486	1.29027	1.56212	1.55427	1.48E+01	6.99E-01	1.21E-04	1.21E-01	2.81E+00	1.78E-01	2.70E+00	2.58E+00	1.87E+01
322	489538.17	3859571.48	1.43241	1.64984	6.15559	2.30036	5.46527	1.27734	1.65777	1.64984	1.47E+01	7.43E-01	1.56E-04	1.19E-01	2.52E+00	1.77E-01	2.86E+00	2.73E+00	1.84E+01
323	489588.17	3859571.48	1.42451	1.75337	7.15784	2.26372	4.91568	1.34035	1.76095	1.75337	1.46E+01	7.89E-01	1.82E-04	1.17E-01	2.27E+00	1.85E-01	3.04E+00	2.91E+00	1.81E+01
324	489438.17	3859621.48	1.53261	1.34132	3.93013	2.2732	6.88223	1.5372	1.35441	1.34132	1.57E+01	6.04E-01	9.97E-05	1.18E-01	3.17E+00	2.13E-01	2.34E+00	2.22E+00	1.99E+01
325	489488.17	3859621.48	1.48916	1.41124	4.69926	2.24642	6.34377	1.43158	1.42584	1.41124	1.53E+01	6.35E-01	1.19E-04	1.16E-01	2.92E+00	1.98E-01	2.46E+00	2.34E+00	1.93E+01
326	489538.17	3859621.48	1.45146	1.48996	5.82656	2.22467	5.75356	1.33431	1.50676	1.48996	1.49E+01	6.71E-01	1.48E-04	1.15E-01	2.65E+00	1.84E-01	2.60E+00	2.47E+00	1.86E+01
327	489588.17	3859621.48	1.41979	1.58026	7.5351	2.20579	5.14329	1.27941	1.59916	1.58026	1.46E+01	7.11E-01	1.91E-04	1.14E-01	2.37E+00	1.77E-01	2.76E+00	2.62E+00	1.81E+01
328	489238.17	3859671.48	1.82313	1.00775	3.69526	4.29733	7.71565	1.77861	1.04588	1.00775	1.87E+01	4.54E-01	9.37E-05	2.22E-01	3.56E+00	2.46E-01	1.81E+00	1.67E+00	2.33E+01
329	489288.17	3859671.48	1.75448	1.04704	3.70376	2.68249	7.73377	1.7713	1.10087	1.04704	1.80E+01	4.71E-01	9.40E-05	1.39E-01	3.56E+00	2.45E-01	1.90E+00	1.73E+00	2.26E+01
330	489338.17	3859671.48	1.68054	1.09123	3.05159	2.29995	7.62341	1.74639	1.15321	1.09123	1.72E+01	4.91E-01	7.74E-05	1.19E-01	3.51E+00	2.41E-01	1.99E+00	1.81E+00	2.18E+01
331	489388.17	3859671.48	1.62109	1.14064	3.41248	2.18654	7.39765	1.72611	1.20171	1.14064	1.66E+01	5.13E-01	8.66E-05	1.13E-01	3.41E+00	2.39E-01	2.07E+00	1.89E+00	2.11E+01
332	489438.17	3859671.48	1.57118	1.19085	3.47559	2.13162	7.01959	1.64121	1.231	1.19085	1.61E+01	5.36E-01	8.82E-05	1.10E-01	3.23E+00	2.27E-01	2.13E+00	1.97E+00	2.04E+01
333	489488.17	3859671.48	1.52798	1.2485	4.73514	2.11963	6.57607	1.57285	1.26105	1.2485	1.57E+01	5.62E-01	1.20E-04	1.10E-01	3.03E+00	2.17E-01	2.18E+00	2.07E+00	1.97E+01
334	489538.17	3859671.48	1.48824	1.3096	5.94887	2.11337	6.04391	1.48577	1.32287	1.3096	1.53E+01	5.89E-01	1.51E-04	1.09E-01	2.79E+00	2.05E-01	2.28E+00	2.17E+00	1.91E+01
335	489588.17	3859671.48	1.45245	1.37633	5.05576	2.10561	5.46702	1.39983	1.39153	1.37633	1.49E+01	6.19E-01	1.28E-04	1.09E-01	2.52E+00	1.94E-01	2.40E+00	2.28E+00	1.85E+01
336	489238.17	3859721.48	1.84481	0.90083	2.90575	4.28804	7.46554	1.72641	0.97622	0.90083	1.89E+01	4.05E-01	7.37E-05	2.22E-01	3.44E+00	2.39E-01	1.69E+00	1.49E+00	2.34E+01
337	489288.17	3859721.48	1.75761	0.93493	3.03488	2.69258	7.59956	1.70555	1.03622	0.93493	1.80E+01	4.21E-01	7.70E-05	1.39E-01	3.50E+00	2.36E-01	1.79E+00	1.55E+00	2.26E+01
338	489338.17	3859721.48	1.67161	0.97035	2.80913	2.15138	7.57374	1.73038	1.08926	0.97035	1.71E+01	4.37E-01	7.13E-05	1.11E-01	3.49E+00	2.39E-01	1.88E+00	1.61E+00	2.17E+01

339	489388.17	3859721.48	1.6042	1.00842	2.63245	1.99934	7.41061	1.72971	1.13544	1.00842
340	489438.17	3859721.48	1.54931	1.0491	3.82852	1.94216	7.11814	1.69067	1.17131	1.0491
341	489488.17	3859721.48	1.50679	1.09483	4.74548	1.93	6.75438	1.66732	1.20805	1.09483
342	489538.17	3859721.48	1.47065	1.14281	3.99438	1.93039	6.28947	1.61577	1.23309	1.14281
343	489588.17	3859721.48	1.43855	1.19458	4.22385	1.93126	5.75908	1.55623	1.25134	1.19458
344	489238.17	3859771.48	1.88709	0.8033	2.71885	4.29823	7.18747	1.69963	0.91642	0.8033
345	489288.17	3859771.48	1.81521	0.83095	2.27747	2.68401	7.39705	1.64323	0.97335	0.83095
346	489338.17	3859771.48	1.72967	0.8588	2.61747	2.08828	7.44145	1.60322	1.0238	0.8588
347	489388.17	3859771.48	1.6481	0.88982	3.18906	1.87719	7.37123	1.65003	1.07431	0.88982
348	489438.17	3859771.48	1.5738	0.92211	3.81189	1.73726	7.15796	1.65205	1.11514	0.92211
349	489488.17	3859771.48	1.51297	0.95924	3.66681	1.7035	6.88605	1.70051	1.16114	0.95924
350	489538.17	3859771.48	1.46296	0.99959	3.56211	1.70015	6.50121	1.72063	1.19528	0.99959
351	489588.17	3859771.48	1.42144	1.04046	4.81307	1.69904	6.01201	1.67955	1.21625	1.04046
352	489238.17	3859821.48	1.7804	0.71678	1.94918	4.28106	6.87044	1.58868	0.86332	0.71678
353	489288.17	3859821.48	1.77596	0.7399	2.67823	2.67284	7.15012	1.58843	0.91782	0.7399
354	489338.17	3859821.48	1.73816	0.76238	2.80605	2.03916	7.2773	1.53879	0.9689	0.76238
355	489388.17	3859821.48	1.68143	0.78717	3.18432	1.81782	7.28548	1.52157	1.02056	0.78717
356	489438.17	3859821.48	1.62015	0.81483	3.26466	1.68829	7.19511	1.60981	1.07364	0.81483
357	489488.17	3859821.48	1.56037	0.84521	3.47588	1.59777	6.98312	1.67905	1.11933	0.84521
358	489538.17	3859821.48	1.50651	0.87871	3.80246	1.53297	6.66768	1.77597	1.15517	0.87871
359	489588.17	3859821.48	1.45868	0.90982	4.63453	1.54618	6.23881	1.76944	1.17809	0.90982
360	489238.17	3859871.48	1.64404	0.66289	2.63521	4.27319	6.54294	1.45031	0.8208	0.66289
361	489288.17	3859871.48	1.65707	0.68208	2.69615	2.65798	6.86185	1.47936	0.86937	0.68208
362	489338.17	3859871.48	1.6601	0.70324	2.69849	2.03392	7.07008	1.47933	0.92062	0.70324
363	489388.17	3859871.48	1.64596	0.72845	3.06151	1.77744	7.17704	1.48446	0.97539	0.72845
364	489438.17	3859871.48	1.61729	0.75625	3.18426	1.63544	7.19065	1.50466	1.0302	0.75625
365	489488.17	3859871.48	1.57962	0.77777	3.67288	1.53581	7.09303	1.68676	1.0741	0.77777
366	489538.17	3859871.48	1.53397	0.80188	4.06904	1.49954	6.80489	1.7457	1.10655	0.80188
367	489588.17	3859871.48	1.49001	0.82488	4.05203	1.55441	6.44624	1.79192	1.12903	0.82488
368	489238.17	3859921.48	1.51913	0.64856	2.61812	4.25354	6.21296	1.32169	0.78701	0.64856
369	489288.17	3859921.48	1.53975	0.66797	2.34694	2.65307	6.60063	1.38514	0.83477	0.66797
370	489338.17	3859921.48	1.55541	0.6864	2.91617	2.03427	6.87269	1.4426	0.88238	0.6864
371	489388.17	3859921.48	1.565	0.7066	2.9344	1.72435	7.06394	1.45694	0.9334	0.7066
372	489438.17	3859921.48	1.56468	0.72041	3.67036	1.5482	7.17135	1.486	0.98025	0.72041
373	489488.17	3859921.48	1.55031	0.73521	3.76527	1.44264	7.10659	1.49355	1.01886	0.73521
374	489538.17	3859921.48	1.52571	0.75279	3.925	1.49285	6.90675	1.59784	1.05106	0.75279
375	489588.17	3859921.48	1.49728	0.76617	3.45599	1.559	6.63593	1.69434	1.07276	0.76617
376	489238.17	3859971.48	1.40711	0.63499	2.04713	4.21224	5.8778	1.23722	0.75681	0.63499
377	489288.17	3859971.48	1.43009	0.64951	2.70264	2.63893	6.28977	1.28865	0.79736	0.64951
378	489338.17	3859971.48	1.45152	0.66521	2.8887	2.02518	6.63404	1.34366	0.84152	0.66521
379	489388.17	3859971.48	1.47124	0.67638	3.33622	1.68271	6.91143	1.43373	0.88616	0.67638
380	489438.17	3859971.48	1.48721	0.68115	3.50547	1.47261	7.10652	1.48853	0.92533	0.68115
381	489488.17	3859971.48	1.49706	0.73723	3.55489	1.40052	7.20623	1.5056	1.00369	0.73723
382	489538.17	3859971.48	1.4953	0.72021	3.40468	1.46851	7.13214	1.46116	1.04638	0.72021
383	489588.17	3859971.48	1.48468	0.7141	3.34192	1.57998	6.92611	1.45513	1.08907	0.7141
384	483577.7	3854071	1.60544	0.60787	0.86195	2.30214	1.24107	1.5486	0.86162	0.60787
385	483627.7	3854071	1.55912	0.59168	0.45633	2.03457	1.24814	1.42134	0.81322	0.59168
386	483677.7	3854071	1.51764	0.61088	0.87935	1.8638	1.35824	1.34812	0.7675	0.61088
387	483727.7	3854071	1.47944	0.64576	1.43629	1.69688	1.46003	1.24269	0.73049	0.64576
388	483777.7	3854071	1.45093	0.66032	1.64992	1.53532	1.54947	1.13121	0.73783	0.66032
389	483577.7	3854121	1.66886	0.59825	0.89461	2.67539	1.45098	1.82569	1.05393	0.59825
390	483627.7	3854121	1.62078	0.57363	0.62726	2.32279	1.32032	1.63544	0.96203	0.57363
391	483677.7	3854121	1.58027	0.54293	1.24775	2.06646	1.24267	1.43346	0.8807	0.54293
392	483727.7	3854121	1.54573	0.56614	1.69201	1.82141	1.35605	1.2439	0.80452	0.56614
393	483777.7	3854121	1.50923	0.60243	1.61002	1.63902	1.57038	1.0863	0.74924	0.60243
394	483577.7	3854171	1.74876	0.66118	1.07007	3.34215	1.67099	2.04826	1.22634	0.66118
395	483627.7	3854171	1.70155	0.53054	0.95925	2.73466	1.53727	1.76833	1.10606	0.53054

1.64E+01	4.54E-01	6.68E-05	1.03E-01	3.42E+00	2.39E-01	1.96E+00	1.67E+00	2.10E+01
1.59E+01	4.72E-01	9.71E-05	1.01E-01	3.28E+00	2.34E-01	2.02E+00	1.74E+00	2.03E+01
1.55E+01	4.93E-01	1.20E-04	9.99E-02	3.11E+00	2.31E-01	2.09E+00	1.81E+00	1.97E+01
1.51E+01	5.14E-01	1.01E-04	9.99E-02	2.90E+00	2.23E-01	2.13E+00	1.89E+00	1.91E+01
1.48E+01	5.38E-01	1.07E-04	1.00E-01	2.65E+00	2.15E-01	2.16E+00	1.98E+00	1.84E+01
1.94E+01	3.62E-01	6.90E-05	2.23E-01	3.31E+00	2.35E-01	1.58E+00	1.33E+00	2.37E+01
1.86E+01	3.74E-01	5.78E-05	1.39E-01	3.41E+00	2.27E-01	1.68E+00	1.38E+00	2.31E+01
1.77E+01	3.86E-01	6.64E-05	1.08E-01	3.43E+00	2.22E-01	1.77E+00	1.42E+00	2.22E+01
1.69E+01	4.00E-01	8.09E-05	9.72E-02	3.40E+00	2.28E-01	1.85E+00	1.47E+00	2.14E+01
1.61E+01	4.15E-01	9.67E-05	8.99E-02	3.30E+00	2.28E-01	1.93E+00	1.53E+00	2.06E+01
1.55E+01	4.32E-01	9.30E-05	8.82E-02	3.17E+00	2.35E-01	2.00E+00	1.59E+00	1.99E+01
1.50E+01	4.50E-01	9.04E-05	8.80E-02	3.00E+00	2.38E-01	2.06E+00	1.66E+00	1.92E+01
1.46E+01	4.68E-01	1.22E-04	8.80E-02	2.77E+00	2.32E-01	2.10E+00	1.72E+00	1.85E+01
1.83E+01	3.23E-01	4.94E-05	2.22E-01	3.17E+00	2.20E-01	1.49E+00	1.19E+00	2.25E+01
1.82E+01	3.33E-01	6.79E-05	1.38E-01	3.30E+00	2.20E-01	1.58E+00	1.23E+00	2.26E+01
1.78E+01	3.43E-01	7.12E-05	1.06E-01	3.35E+00	2.13E-01	1.67E+00	1.26E+00	2.22E+01
1.72E+01	3.54E-01	8.08E-05	9.41E-02	3.36E+00	2.10E-01	1.76E+00	1.30E+00	2.17E+01
1.66E+01	3.67E-01	8.28E-05	8.74E-02	3.32E+00	2.23E-01	1.85E+00	1.35E+00	2.11E+01
1.60E+01	3.80E-01	8.82E-05	8.27E-02	3.22E+00	2.32E-01	1.93E+00	1.40E+00	2.04E+01
1.54E+01	3.95E-01	9.65E-05	7.94E-02	3.07E+00	2.46E-01	1.99E+00	1.46E+00	1.98E+01
1.50E+01	4.09E-01	1.18E-04	8.00E-02	2.88E+00	2.45E-01	2.03E+00	1.51E+00	1.91E+01
1.69E+01	2.98E-01	6.68E-05	2.21E-01	3.02E+00	2.01E-01	1.42E+00	1.10E+00	2.09E+01
1.70E+01	3.07E-01	6.84E-05	1.38E-01	3.16E+00	2.05E-01	1.50E+00	1.13E+00	2.12E+01
1.70E+01	3.16E-01	6.85E-05	1.05E-01	3.26E+00	2.05E-01	1.59E+00	1.17E+00	2.13E+01
1.69E+01	3.28E-01	7.77E-05	9.20E-02	3.31E+00	2.05E-01	1.68E+00	1.21E+00	2.13E+01
1.66E+01	3.40E-01	8.08E-05	8.47E-02	3.31E+00	2.08E-01	1.78E+00	1.25E+00	2.11E+01
1.62E+01	3.50E-01	9.32E-05	7.95E-02	3.27E+00	2.33E-01	1.85E+00	1.29E+00	2.07E+01
1.57E+01	3.61E-01	1.03E-04	7.76E-02	3.14E+00	2.41E-01	1.91E+00	1.33E+00	2.01E+01
1.53E+01	3.71E-01	1.03E-04	8.05E-02	2.97E+00	2.48E-01	1.95E+00	1.37E+00	1.95E+01
1.56E+01	2.92E-01	6.64E-05	2.20E-01	2.86E+00	1.83E-01	1.36E+00	1.07E+00	1.94E+01
1.58E+01	3.01E-01	5.95E-05	1.37E-01	3.04E+00	1.91E-01	1.44E+00	1.11E+00	1.98E+01
1.59E+01	3.09E-01	7.40E-05	1.05E-01	3.17E+00	1.99E-01	1.52E+00	1.14E+00	2.01E+01
1.60E+01	3.18E-01	7.44E-05	8.93E-02	3.26E+00	2.01E-01	1.61E+00	1.17E+00	2.04E+01
1.60E+01	3.24E-01	9.31E-05	8.01E-02	3.30E+00	2.05E-01	1.69E+00	1.19E+00	2.05E+01
1.59E+01	3.31E-01	9.55E-05	7.47E-02	3.28E+00	2.06E-01	1.76E+00	1.22E+00	2.03E+01
1.56E+01	3.39E-01	9.96E-05	7.73E-02	3.18E+00	2.21E-01	1.81E+00	1.25E+00	2.00E+01
1.54E+01	3.45E-01	8.77E-05	8.07E-02	3.06E+00	2.34E-01	1.85E+00	1.27E+00	1.97E+01
1.44E+01	2.86E-01	5.19E-05	2.18E-01	2.71E+00	1.71E-01	1.31E+00	1.05E+00	1.81E+01
1.47E+01	2.92E-01	6.86E-05	1.37E-01	2.90E+00	1.78E-01	1.38E+00	1.08E+00	1.85E+01
1.49E+01	2.99E-01	7.33E-05	1.05E-01	3.06E+00	1.86E-01	1.45E+00	1.10E+00	1.89E+01
1.51E+01	3.04E-01	8.46E-05	8.71E-02	3.19E+00	1.98E-01	1.53E+00	1.12E+00	1.93E+01
1.52E+01	3.07E-01	8.89E-05	7.62E-02	3.27E+00	2.06E-01	1.60E+00	1.13E+00	1.96E+01
1.54E+01	3.32E-01	9.02E-05	7.25E-02	3.32E+00	2.08E-01	1.73E+00	1.22E+00	1.98E+01
1.53E+01	3.24E-01	8.64E-05	7.60E-02	3.29E+00	2.02E-01	1.81E+00	1.19E+00	1.98E+01
1.52E+01	3.21E-01	8.48E-05	8.18E-02	3.19E+00	2.01E-01	1.88E+00	1.18E+00	1.97E+01
1.65E+01	2.74E-01	2.19E-05	1.19E-01	5.72E-01	2.14E-01	1.49E+00	1.01E+00	1.81E+01
1.60E+01	2.66E-01	1.16E-05	1.05E-01	5.75E-01	1.97E-01	1.40E+00	9.80E-01	1.76E+01
1.56E+01	2.75E-01	2.23E-05	9.65E-02	6.26E-01	1.86E-01	1.33E+00	1.01E+00	1.71E+01
1.52E+01	2.91E-01	3.64E-05	8.78E-02	6.73E-01	1.72E-01	1.26E+00	1.07E+00	1.66E+01
1.49E+01	2.97E-01	4.19E-05	7.95E-02	7.14E-01	1.56E-01	1.27E+00	1.09E+00	1.63E+01
1.71E+01	2.69E-01	2.27E-05	1.38E-01	6.69E-01	2.52E-01	1.82E+00	9.91E-01	1.93E+01
1.66E+01	2.58E-01	1.59E-05	1.20E-01	6.08E-01	2.26E-01	1.66E+00	9.50E-01	1.85E+01
1.62E+01	2.44E-01	3.17E-05	1.07E-01	5.73E-01	1.98E-01	1.52E+00	9.00E-01	1.79E+01
1.58E+01	2.55E-01	4.29E-05	9.43E-02	6.25E-01	1.72E-01	1.39E+00	9.38E-01	1.74E+01
1.55E+01	2.71E-01	4.08E-05	8.48E-02	7.24E-01	1.50E-01	1.29E+00	9.98E-01	1.70E+01
1.79E+01	2.98E-01	2.71E-05	1.73E-01	7.70E-01	2.83E-01	2.12E+00	1.10E+00	2.05E+01
1.74E+01	2.39E-01	2.43E-05	1.42E-01	7.08E-01	2.44E-01	1.91E+00	8.79E-01	1.98E+01

396	483677.7	3854171	1.65497	0.50514	1.62475	2.30982	1.4014	1.55593	1.00294	0.50514	1.70E+01	2.27E-01	4.12E-05	1.20E-01	6.46E-01	2.15E-01	1.73E+00	8.37E-01	1.91E+01
397	483727.7	3854171	1.61063	0.51072	1.81069	1.99277	1.27346	1.38604	0.91519	0.51072	1.65E+01	2.30E-01	4.59E-05	1.03E-01	5.87E-01	1.92E-01	1.58E+00	8.46E-01	1.84E+01
398	483777.7	3854171	1.57289	0.5293	1.3516	1.81088	1.43306	1.225	0.8351	0.5293	1.61E+01	2.38E-01	3.43E-05	9.37E-02	6.60E-01	1.69E-01	1.44E+00	8.77E-01	1.79E+01
399	483827.7	3854171	1.54945	0.5521	0.67763	1.73243	1.598	1.04713	0.75248	0.5521	1.59E+01	2.48E-01	1.72E-05	8.97E-02	7.36E-01	1.45E-01	1.30E+00	9.15E-01	1.75E+01
400	483877.7	3854171	1.51824	0.57587	1.26024	1.54292	1.74761	0.92661	0.81091	0.57587	1.56E+01	2.59E-01	3.20E-05	7.99E-02	8.05E-01	1.28E-01	1.40E+00	9.54E-01	1.73E+01
401	483727.7	3854221	1.68078	0.46744	1.67474	2.36959	1.38096	1.46975	1.0024	0.46744	1.72E+01	2.10E-01	4.25E-05	1.23E-01	6.36E-01	2.03E-01	1.73E+00	7.75E-01	1.94E+01
402	483777.7	3854221	1.63997	0.49047	0.9415	2.02454	1.26014	1.29698	0.90671	0.49047	1.68E+01	2.21E-01	2.39E-05	1.05E-01	5.81E-01	1.79E-01	1.57E+00	8.13E-01	1.87E+01
403	483827.7	3854221	1.59091	0.5112	1.29759	1.90803	1.42775	1.19064	0.85166	0.5112	1.63E+01	2.30E-01	3.29E-05	9.88E-02	6.58E-01	1.65E-01	1.47E+00	8.47E-01	1.81E+01
404	483877.7	3854221	1.56335	0.52509	1.9139	1.85681	1.59636	1.03835	0.78766	0.52509	1.60E+01	2.36E-01	4.86E-05	9.61E-02	7.36E-01	1.44E-01	1.36E+00	8.70E-01	1.77E+01
405	489150.19	3858726.45	1.80045	1.15458	1.71123	8.80145	6.0138	2.86317	1.09332	1.15458	1.85E+01	5.20E-01	4.34E-05	4.56E-01	2.77E+00	3.96E-01	1.89E+00	1.91E+00	2.26E+01
406	489200.19	3858726.45	1.72395	1.10893	1.67784	14.39362	5.33114	2.61902	1.03542	1.10893	1.77E+01	4.99E-01	4.26E-05	7.45E-01	2.46E+00	3.62E-01	1.79E+00	1.84E+00	2.17E+01
407	489150.19	3858776.45	1.84739	1.22506	1.56059	9.69463	6.34538	3.16264	1.16869	1.22506	1.89E+01	5.51E-01	3.96E-05	5.02E-01	2.92E+00	4.37E-01	2.02E+00	2.03E+00	2.33E+01
408	489200.19	3858776.45	1.77924	1.18466	1.60139	15.11927	5.75733	2.80613	1.09918	1.18466	1.82E+01	5.33E-01	4.06E-05	7.83E-01	2.65E+00	3.88E-01	1.90E+00	1.96E+00	2.25E+01
409	488919.6	3856400.76	0.93412	0.33478	1.05881	1.05419	7.66659	0.46315	0.35913	0.33478	9.58E+00	1.51E-01	2.69E-05	5.46E-02	3.53E+00	6.40E-02	6.20E-01	5.55E-01	1.34E+01
410	488919.6	3856450.76	0.9392	0.33154	1.04869	1.11703	7.74161	0.47244	0.35766	0.33154	9.63E+00	1.49E-01	2.66E-05	5.78E-02	3.57E+00	6.53E-02	6.18E-01	5.49E-01	1.35E+01
411	488969.6	3856450.76	0.93481	0.33067	0.89697	0.95139	7.55893	0.46631	0.35618	0.33067	9.59E+00	1.49E-01	2.28E-05	4.93E-02	3.48E+00	6.45E-02	6.15E-01	5.48E-01	1.34E+01
412	488919.6	3856500.76	0.94469	0.32788	0.94377	1.18402	7.7736	0.48485	0.3544	0.32788	9.69E+00	1.48E-01	2.39E-05	6.13E-02	3.58E+00	6.70E-02	6.12E-01	5.43E-01	1.36E+01
413	488969.6	3856500.76	0.93964	0.32822	0.89079	1.00993	7.59776	0.48467	0.35385	0.32822	9.64E+00	1.48E-01	2.26E-05	5.23E-02	3.50E+00	6.70E-02	6.11E-01	5.44E-01	1.35E+01
414	488919.6	3856550.76	0.94959	0.32265	0.86736	1.26095	7.79812	0.5026	0.34963	0.32265	9.74E+00	1.45E-01	2.20E-05	6.53E-02	3.59E+00	6.95E-02	6.04E-01	5.35E-01	1.37E+01
415	488969.6	3856550.76	0.94598	0.32409	0.99755	1.06822	7.64338	0.50256	0.35023	0.32409	9.70E+00	1.46E-01	2.53E-05	5.53E-02	3.52E+00	6.95E-02	6.05E-01	5.37E-01	1.36E+01
416	488819.6	3856600.76	0.96884	0.3086	1.04153	1.7123	8.17148	0.52955	0.37195	0.3086	9.93E+00	1.39E-01	2.64E-05	8.86E-02	3.77E+00	7.32E-02	6.42E-01	5.11E-01	1.41E+01
417	488869.6	3856600.76	0.96245	0.31249	0.91977	1.54349	8.00072	0.51863	0.35765	0.31249	9.87E+00	1.41E-01	2.33E-05	7.99E-02	3.69E+00	7.17E-02	6.17E-01	5.18E-01	1.39E+01
418	488919.6	3856600.76	0.95663	0.31585	0.94545	1.33357	7.83682	0.51886	0.34397	0.31585	9.81E+00	1.42E-01	2.40E-05	6.90E-02	3.61E+00	7.17E-02	5.94E-01	5.23E-01	1.38E+01
419	488819.6	3856650.76	0.97529	0.29897	0.83974	1.78648	8.20147	0.54112	0.38667	0.29897	1.00E+01	1.35E-01	2.13E-05	9.25E-02	3.78E+00	7.48E-02	6.68E-01	4.95E-01	1.43E+01
420	488869.6	3856650.76	0.96931	0.30352	0.92588	1.62501	8.04895	0.53518	0.37361	0.30352	9.94E+00	1.37E-01	2.35E-05	8.41E-02	3.71E+00	7.40E-02	6.45E-01	5.03E-01	1.41E+01
421	488819.6	3856700.76	0.98221	0.30879	0.90885	1.86096	8.73028	0.55707	0.39862	0.30879	1.01E+01	1.39E-01	2.31E-05	9.63E-02	4.02E+00	7.70E-02	6.88E-01	5.12E-01	1.46E+01
422	488869.6	3856700.76	0.97698	0.2992	1.11866	1.70692	8.75165	0.55383	0.38667	0.2992	1.00E+01	1.35E-01	2.84E-05	8.84E-02	4.03E+00	7.66E-02	6.68E-01	4.96E-01	1.45E+01
423	488819.6	3856750.76	0.99087	0.32311	1.14964	1.92744	10.0244	0.57326	0.40976	0.32311	1.02E+01	1.45E-01	2.92E-05	9.98E-02	4.62E+00	7.93E-02	7.07E-01	5.35E-01	1.53E+01
424	488869.6	3856750.76	0.98497	0.31396	1.31103	1.79172	9.91736	0.57536	0.39864	0.31396	1.01E+01	1.41E-01	3.33E-05	9.28E-02	4.57E+00	7.95E-02	6.88E-01	5.20E-01	1.52E+01
425	488819.6	3857050.76	1.04803	0.38655	1.14559	2.31057	11.7214	0.81899	0.43682	0.38655	1.07E+01	1.74E-01	2.91E-05	1.20E-01	5.40E+00	1.13E-01	7.54E-01	6.40E-01	1.67E+01
426	488869.6	3857050.76	1.04425	0.38069	1.25474	2.27594	11.4016	0.87051	0.42863	0.38069	1.07E+01	1.71E-01	3.18E-05	1.18E-01	5.25E+00	1.20E-01	7.40E-01	6.31E-01	1.65E+01
427	488919.6	3857050.76	1.04279	0.37451	1.44497	2.12018	11.1147	0.86095	0.42156	0.37451	1.07E+01	1.69E-01	3.67E-05	1.10E-01	5.12E+00	1.19E-01	7.28E-01	6.21E-01	1.63E+01
428	488819.6	3857100.76	1.05765	0.3914	1.45096	2.36533	11.597	0.91232	0.4394	0.3914	1.08E+01	1.76E-01	3.68E-05	1.22E-01	5.34E+00	1.26E-01	7.59E-01	6.49E-01	1.67E+01
429	488869.6	3857100.76	1.05493	0.38643	1.60944	2.3455	11.2593	0.89764	0.43208	0.38643	1.08E+01	1.74E-01	4.08E-05	1.21E-01	5.19E+00	1.24E-01	7.46E-01	6.40E-01	1.65E+01
430	488919.6	3857100.76	1.05321	0.38131	1.6768	2.21123	10.9001	0.8392	0.42466	0.38131	1.08E+01	1.72E-01	4.25E-05	1.14E-01	5.02E+00	1.16E-01	7.33E-01	6.32E-01	1.63E+01
431	488819.6	3857150.76	1.06672	0.3963	1.75857	2.41768	11.8904	0.93802	0.44493	0.3963	1.09E+01	1.78E-01	4.46E-05	1.25E-01	5.48E+00	1.30E-01	7.68E-01	6.57E-01	1.70E+01
432	488869.6	3857150.76	1.06401	0.39218	1.76028	2.41846	11.3982	0.87105	0.43696	0.39218	1.09E+01	1.76E-01	4.47E-05	1.25E-01	5.25E+00	1.20E-01	7.54E-01	6.50E-01	1.67E+01
433	488919.6	3857150.76	1.06337	0.38744	1.66455	2.3	10.9489	0.78875	0.42945	0.38744	1.09E+01	1.74E-01	4.22E-05	1.19E-01	5.05E+00	1.09E-01	7.41E-01	6.42E-01	1.65E+01
434	488969.6	3857150.76	1.06412	0.38233	1.50101	2.06215	10.5156	0.7921	0.42215	0.38233	1.09E+01	1.72E-01	3.81E-05	1.07E-01	4.85E+00	1.10E-01	7.29E-01	6.33E-01	1.62E+01
435	488819.6	3857200.76	1.07496	0.40082	1.80009	2.46864	12.1002	0.90314	0.4519	0.40082	1.10E+01	1.80E-01	4.57E-05	1.28E-01	5.58E+00	1.25E-01	7.80E-01	6.64E-01	1.71E+01
436	488869.6	3857200.76	1.07257	0.39733	1.63968	2.48696	11.6103	0.82765	0.44318	0.39733	1.10E+01	1.79E-01	4.16E-05	1.29E-01	5.35E+00	1.14E-01	7.65E-01	6.58E-01	1.69E+01
437	488919.6	3857200.76	1.07224	0.3932	1.42507	2.3893	11.1654	0.82365	0.43507	0.3932	1.10E+01	1.77E-01	3.62E-05	1.24E-01	5.15E+00	1.14E-01	7.51E-01	6.52E-01	1.67E+01
438	488969.6	3857200.76	1.07387	0.38844	1.35609	2.16234	10.7605	0.78913	0.42745	0.38844	1.10E+01	1.75E-01	3.44E-05	1.12E-01	4.96E+00	1.09E-01	7.38E-01	6.44E-01	1.65E+01
439	488819.6	3857250.76	1.08278	0.40485	1.55987	2.51502	12.0349	0.86748	0.46039	0.40485	1.11E+01	1.82E-01	3.96E-05	1.30E-01	5.55E+00	1.20E-01	7.95E-01	6.71E-01	1.72E+01
440	488869.6	3857250.76	1.08105	0.40179	1.44478	2.5492	11.5675	0.85189	0.45092	0.40179	1.11E+01	1.81E-01	3.67E-05	1.32E-01	5.33E+00	1.18E-01	7.79E-01	6.66E-01	1.70E+01
441	488919.6	3857250.76	1.08107	0.39824	1.43854	2.47384	11.1251	0.80888	0.44205	0.39824	1.11E+01	1.79E-01	3.65E-05	1.28E-01	5.13E+00	1.12E-01	7.63E-01	6.60E-01	1.67E+01
442	488969.6	3857250.76	1.08268	0.39421	1.38923	2.26429	10.7046	0.7918	0.43372	0.39421	1.11E+01	1.77E-01	3.52E-05	1.17E-01	4.93E+00	1.09E-01	7.49E-01	6.53E-01	1.65E+01
443	488819.6	3857300.76	1.08961	0.40895	1.53906	2.56203	11.6323	0.88054	0.47025	0.40895	1.12E+01	1.84E-01	3.90E-05	1.33E-01	5.36E+00	1.22E-01	8.12E-01	6.78E-01	1.71E+01
444	488869.6	3857300.76	1.0884	0.40631	1.48531	2.61067	11.2193	0.84318	0.45985	0.40631	1.12E+01	1.83E-01	3.77E-05	1.35E-01	5.17E+00	1.17E-01	7.94E-01	6.73E-01	1.69E+01
445	488919.6	3857300.76	1.08868	0.4034	1.39205	2.55714	10.8548	0.83016	0.45005	0.4034	1.12E+01	1.82E-01	3.53E-05	1.32E-01	5.00E+00	1.15E-01	7.77E-01	6.68E-01	1.67E+01
446	488819.6	3857450.76	1.11035	0.41826	1.87377	2.69073	12.2477	1.03004	0.51001	0.41826	1.14E+01	1.88E-01	4.75E-05	1.39E-01	5.64E+00	1.42E-01	8.81E-01	6.93E-01	1.77E+01
447	488869.6	3857450.76	1.11081	0.41666	1.88016	2.77607	11.7249	1.01261	0.49615	0.41666	1.14E+01	1.88E-01	4.77E-05	1.44E-01	5.40E+00	1.40E-01	8.57E-01	6.90E-01	1.74E+01
448	488919.6	3857450.76	1.11247	0.41529	1.86603	2.78829	11.153	1.02394	0.48284	0.41529	1.14E+01	1.87E-01	4.73E-05	1.44E-01	5.14E+00	1.42E-01	8.34E-01	6.88E-01	1.72E+01
449	488819.6	3857500.76	1.11947	0.41877	1.99117	2.729	12.1225	1.09277	0.52762	0.41877	1.15E+01	1.88E-01	5.05E-05	1.41E-01	5.59E+00	1.51E-01	9.11E-01	6.94E-01	1.78E+01
450	488869.6	3857500.76	1.12011	0.41791	1.89436	2.82925	11.7136	1.1143	0.51185	0.41791	1.15E+01	1.88E-01	4.81E-05	1.46E-01	5.40E+00	1.54E-01	8.84E-01	6.92E-01	1.76E+01
451	488919.6	3857500.76	1.12251	0.41674	1.88593	2.86073	11.2901	1.12391	0.49728	0.41674	1.15E+01	1.88E-01	4.78E-05	1.48E-01	5.20E+00	1.55E-01	8.59E-01	6.91E-01	1.74E+01
452	488819.6	3857550.76	1.13057	0.41827	2.31396	2.77124	11.5518	1.20368	0.54849	0.41827	1.16E+01	1.88E-01	5.87E-05	1.43E-01	5.32E+00	1.66E-01	9.47E-01	6.93E-01	1.77E+01

453	488869.6	3857550.76	1.13211	0.41747	2.55894	2.88168	11.2815	1.198	0.53154	0.41747	1.16E+01	1.88E-01	6.49E-05	1.49E-01	5.20E+00	1.66E-01	9.18E-01	6.92E-01	1.75E+01
454	488919.6	3857550.76	1.1348	0.41668	2.75701	2.92669	10.9768	1.18239	0.51537	0.41668	1.16E+01	1.88E-01	6.99E-05	1.52E-01	5.06E+00	1.63E-01	8.90E-01	6.90E-01	1.74E+01
455	489663.71	3860900.05	1.11733	0.68008	1.27735	0.93999	3.37297	0.78036	0.72106	0.68008	1.15E+01	3.06E-01	3.24E-05	4.87E-02	1.55E+00	1.08E-01	1.24E+00	1.13E+00	1.36E+01
456	489813.71	3860900.05	0.99248	0.68551	1.133	0.83863	4.18544	0.70472	0.71976	0.68551	1.02E+01	3.09E-01	2.87E-05	4.34E-02	1.93E+00	9.74E-02	1.24E+00	1.14E+00	1.27E+01
457	489863.71	3860900.05	0.98458	0.68574	1.04699	0.81828	4.37614	0.68174	0.71607	0.68574	1.01E+01	3.09E-01	2.66E-05	4.24E-02	2.02E+00	9.43E-02	1.24E+00	1.14E+00	1.27E+01
458	489913.71	3860900.05	0.9769	0.68796	0.96886	0.80628	4.53982	0.67156	0.71544	0.68796	1.00E+01	3.10E-01	2.46E-05	4.17E-02	2.09E+00	9.28E-02	1.24E+00	1.14E+00	1.26E+01
459	489963.71	3860900.05	0.96886	0.68799	0.78593	0.79147	4.63179	0.6577	0.71152	0.68799	9.93E+00	3.10E-01	1.99E-05	4.10E-02	2.13E+00	9.09E-02	1.23E+00	1.14E+00	1.26E+01
460	490013.71	3860900.05	0.96212	0.69008	0.95596	0.7826	4.69179	0.64683	0.70992	0.69008	9.87E+00	3.11E-01	2.43E-05	4.05E-02	2.16E+00	8.94E-02	1.23E+00	1.14E+00	1.26E+01
461	490063.71	3860900.05	0.95592	0.69733	1.15634	0.77127	4.68651	0.63475	0.70681	0.69733	9.80E+00	3.14E-01	2.93E-05	3.99E-02	2.16E+00	8.78E-02	1.22E+00	1.16E+00	1.25E+01
462	489663.71	3860950.05	1.16131	0.70568	1.2255	0.9443	3.14966	0.79355	0.74851	0.70568	1.19E+01	3.18E-01	3.11E-05	4.89E-02	1.45E+00	1.10E-01	1.29E+00	1.17E+00	1.40E+01
463	489813.71	3860950.05	0.99004	0.71884	1.0935	0.8301	3.98633	0.72353	0.75548	0.71884	1.02E+01	3.24E-01	2.77E-05	4.30E-02	1.84E+00	1.00E-01	1.30E+00	1.19E+00	1.26E+01
464	489863.71	3860950.05	0.9522	0.7207	1.00714	0.80879	4.19414	0.69737	0.75433	0.7207	9.76E+00	3.24E-01	2.55E-05	4.19E-02	1.93E+00	9.64E-02	1.30E+00	1.19E+00	1.23E+01
465	489913.71	3860950.05	0.94895	0.72596	0.94127	0.79529	4.37636	0.67615	0.75576	0.72596	9.73E+00	3.27E-01	2.39E-05	4.12E-02	2.02E+00	9.35E-02	1.30E+00	1.20E+00	1.23E+01
466	489963.71	3860950.05	0.94446	0.72916	0.77907	0.78149	4.50147	0.65614	0.75455	0.72916	9.68E+00	3.28E-01	1.98E-05	4.05E-02	2.07E+00	9.07E-02	1.30E+00	1.21E+00	1.23E+01
467	490013.71	3860950.05	0.9397	0.73254	0.88698	0.77101	4.583	0.64263	0.75496	0.73254	9.64E+00	3.30E-01	2.25E-05	3.99E-02	2.11E+00	8.88E-02	1.30E+00	1.21E+00	1.23E+01
468	490063.71	3860950.05	0.93499	0.73596	1.09437	0.76127	4.61332	0.63222	0.75505	0.73596	9.59E+00	3.31E-01	2.78E-05	3.94E-02	2.13E+00	8.74E-02	1.30E+00	1.22E+00	1.23E+01
469	489513.71	3861000.05	1.52337	0.71809	1.08188	1.2028	2.03263	0.84792	0.73792	0.71809	1.56E+01	3.23E-01	2.74E-05	6.23E-02	9.37E-01	1.17E-01	1.27E+00	1.19E+00	1.71E+01
470	489563.71	3861000.05	1.41419	0.72031	1.15778	1.09801	2.32501	0.83539	0.74556	0.72031	1.45E+01	3.24E-01	2.94E-05	5.68E-02	1.07E+00	1.15E-01	1.29E+00	1.19E+00	1.62E+01
471	489613.71	3861000.05	1.30762	0.72546	1.25396	1.01841	2.63074	0.82223	0.75283	0.72546	1.34E+01	3.26E-01	3.18E-05	5.27E-02	1.21E+00	1.14E-01	1.30E+00	1.20E+00	1.52E+01
472	489663.71	3861000.05	1.20426	0.72845	1.17803	0.94953	2.93562	0.80547	0.7592	0.72845	1.23E+01	3.28E-01	2.99E-05	4.92E-02	1.35E+00	1.11E-01	1.31E+00	1.21E+00	1.43E+01
473	489713.71	3861000.05	1.11046	0.73072	0.99809	0.88917	3.23032	0.78506	0.76467	0.73072	1.14E+01	3.29E-01	2.53E-05	4.60E-02	1.49E+00	1.09E-01	1.32E+00	1.21E+00	1.35E+01
474	489763.71	3861000.05	1.06129	0.73425	1.07471	0.84279	3.5143	0.76333	0.76923	0.73425	1.09E+01	3.30E-01	2.73E-05	4.36E-02	1.62E+00	1.06E-01	1.33E+00	1.22E+00	1.31E+01
475	489813.71	3861000.05	1.01355	0.74244	1.058	0.82315	3.78681	0.74244	0.77342	0.74244	1.04E+01	3.34E-01	2.68E-05	4.26E-02	1.75E+00	1.03E-01	1.34E+00	1.23E+00	1.27E+01
476	489863.71	3861000.05	0.96492	0.7425	0.97153	0.80119	4.0104	0.71706	0.77619	0.7425	9.89E+00	3.34E-01	2.46E-05	4.15E-02	1.85E+00	9.91E-02	1.34E+00	1.23E+00	1.23E+01
477	489913.71	3861000.05	0.91771	0.74835	0.91775	0.78709	4.21245	0.69565	0.77904	0.74835	9.41E+00	3.37E-01	2.33E-05	4.07E-02	1.94E+00	9.62E-02	1.35E+00	1.24E+00	1.19E+01
478	489963.71	3861000.05	0.91184	0.75131	0.77049	0.77187	4.3576	0.67381	0.78089	0.75131	9.35E+00	3.38E-01	1.95E-05	4.00E-02	2.01E+00	9.32E-02	1.35E+00	1.24E+00	1.19E+01
479	490013.71	3861000.05	0.91098	0.75704	0.82264	0.76123	4.46658	0.65701	0.78313	0.75704	9.34E+00	3.41E-01	2.09E-05	3.94E-02	2.06E+00	9.08E-02	1.35E+00	1.25E+00	1.20E+01
480	490063.71	3861000.05	0.90916	0.76309	1.03214	0.75104	4.52362	0.64371	0.78518	0.76309	9.32E+00	3.43E-01	2.62E-05	3.89E-02	2.08E+00	8.90E-02	1.36E+00	1.26E+00	1.20E+01
481	489513.71	3861050.05	1.55507	0.74836	1.08241	1.21385	1.85726	0.85204	0.75067	0.74836	1.59E+01	3.37E-01	2.75E-05	6.28E-02	8.56E-01	1.18E-01	1.30E+00	1.24E+00	1.74E+01
482	489563.71	3861050.05	1.45128	0.75292	1.14829	1.1067	2.13636	0.84113	0.75415	0.75292	1.49E+01	3.39E-01	2.91E-05	5.73E-02	9.85E-01	1.16E-01	1.30E+00	1.25E+00	1.64E+01
483	489613.71	3861050.05	1.3481	0.75944	1.22174	1.02677	2.43558	0.83156	0.76163	0.75944	1.38E+01	3.42E-01	3.10E-05	5.32E-02	1.12E+00	1.15E-01	1.31E+00	1.26E+00	1.55E+01
484	489663.71	3861050.05	1.2458	0.76192	1.14136	0.95263	2.72702	0.8154	0.76474	0.76192	1.28E+01	3.43E-01	2.90E-05	4.93E-02	1.26E+00	1.13E-01	1.32E+00	1.26E+00	1.46E+01
485	489713.71	3861050.05	1.14684	0.76571	0.96779	0.89115	3.0184	0.79752	0.7675	0.76571	1.18E+01	3.45E-01	2.46E-05	4.61E-02	1.39E+00	1.10E-01	1.33E+00	1.27E+00	1.37E+01
486	489763.71	3861050.05	1.08229	0.77127	1.03708	0.84132	3.30565	0.77889	0.77288	0.77127	1.11E+01	3.47E-01	2.63E-05	4.36E-02	1.52E+00	1.08E-01	1.33E+00	1.28E+00	1.32E+01
487	489813.71	3861050.05	1.03432	0.77726	1.02064	0.81435	3.57888	0.75903	0.77921	0.77726	1.06E+01	3.50E-01	2.59E-05	4.22E-02	1.65E+00	1.05E-01	1.35E+00	1.29E+00	1.28E+01
488	489863.71	3861050.05	0.98612	0.78238	0.93732	0.79381	3.82093	0.73658	0.78336	0.78238	1.01E+01	3.52E-01	2.38E-05	4.11E-02	1.76E+00	1.02E-01	1.35E+00	1.30E+00	1.24E+01
489	489913.71	3861050.05	0.93838	0.78788	0.89147	0.77746	4.03335	0.71468	0.78873	0.78788	9.62E+00	3.55E-01	2.26E-05	4.02E-02	1.86E+00	9.88E-02	1.36E+00	1.31E+00	1.20E+01
490	489963.71	3861050.05	0.89078	0.7926	0.76163	0.76334	4.20582	0.69365	0.79373	0.7926	9.13E+00	3.57E-01	1.93E-05	3.95E-02	1.94E+00	9.59E-02	1.37E+00	1.31E+00	1.16E+01
491	490013.71	3861050.05	0.87468	0.80071	0.76292	0.75355	4.34471	0.67655	0.80224	0.80071	8.97E+00	3.60E-01	1.94E-05	3.90E-02	2.00E+00	9.35E-02	1.39E+00	1.33E+00	1.15E+01
492	490063.71	3861050.05	0.87671	0.80636	0.97198	0.74278	4.42678	0.6609	0.80776	0.80636	8.99E+00	3.63E-01	2.47E-05	3.85E-02	2.04E+00	9.14E-02	1.39E+00	1.34E+00	1.16E+01
493	489513.71	3861100.05	1.58145	0.76924	1.08414	1.21592	1.69744	0.85793	0.77255	0.76924	1.62E+01	3.46E-01	2.75E-05	6.29E-02	7.82E-01	1.19E-01	1.33E+00	1.27E+00	1.76E+01
494	489563.71	3861100.05	1.48419	0.77485	1.13658	1.11151	1.95733	0.84577	0.77741	0.77485	1.52E+01	3.49E-01	2.88E-05	5.75E-02	9.02E-01	1.17E-01	1.34E+00	1.28E+00	1.67E+01
495	489613.71	3861100.05	1.38381	0.77677	1.17723	1.01815	2.22814	0.83214	0.78038	0.77677	1.42E+01	3.50E-01	2.99E-05	5.27E-02	1.03E+00	1.15E-01	1.35E+00	1.29E+00	1.58E+01
496	489663.71	3861100.05	1.28469	0.78344	1.106	0.9492	2.51709	0.82087	0.78675	0.78344	1.32E+01	3.53E-01	2.81E-05	4.91E-02	1.16E+00	1.13E-01	1.36E+00	1.30E+00	1.49E+01
497	489713.71	3861100.05	1.18744	0.7902	0.93756	0.89091	2.80852	0.80744	0.79352	0.7902	1.22E+01	3.56E-01	2.38E-05	4.61E-02	1.29E+00	1.12E-01	1.37E+00	1.31E+00	1.40E+01
498	489763.71	3861100.05	1.10048	0.79696	0.9981	0.84061	3.09416	0.79155	0.80024	0.79696	1.13E+01	3.59E-01	2.53E-05	4.35E-02	1.43E+00	1.09E-01	1.38E+00	1.32E+00	1.33E+01
499	489813.71	3861100.05	1.05264	0.80416	0.98489	0.80592	3.37105	0.77442	0.80768	0.80416	1.08E+01	3.62E-01	2.50E-05	4.17E-02	1.55E+00	1.07E-01	1.39E+00	1.33E+00	1.29E+01
500	489863.71	3861100.05	1.00538	0.81328	0.90701	0.78826	3.63287	0.75657	0.81599	0.81328	1.03E+01	3.66E-01	2.30E-05	4.08E-02	1.67E+00	1.05E-01	1.41E+00	1.35E+00	1.26E+01
501	489913.71	3861100.05	0.95703	0.81814	0.8673	0.76942	3.85199	0.73455	0.82124	0.81814	9.81E+00	3.68E-01	2.20E-05	3.98E-02	1.78E+00	1.02E-01	1.42E+00	1.36E+00	1.22E+01
502	489963.71	3861100.05	0.90943	0.82523	0.75196	0.75549	4.04484	0.71438	0.82827	0.82523	9.33E+00	3.71E-01	1.91E-05	3.91E-02	1.86E+00	9.88E-02	1.43E+00	1.37E+00	1.18E+01
503	490013.71	3861100.05	0.86164	0.83072	0.70434	0.74227	4.19231	0.69446	0.83334	0.83072	8.84E+00	3.74E-01	1.79E-05	3.84E-02	1.93E+00	9.60E-02	1.44E+00	1.38E+00	1.13E+01
504	490063.71	3861100.05	0.83722	0.83904	0.9108	0.73219	4.30263	0.67795	0.84201	0.83904	8.58E+00	3.78E-01	2.31E-05	3.79E-02	1.98E+00	9.37E-02	1.45E+00	1.39E+00	1.11E+01
505	489713.71	3861150.05	1.22652	0.80481	0.9088	0.89143	2.60695	0.81672	0.80781	0.80481	1.26E+01	3.62E-01	2.31E-05	4.61E-02	1.20E+00	1.13E-01	1.39E+00	1.33E+00	1.44E+01
506	489763.71	3861150.05	1.1334	0.81328	0.96405	0.84179	2.89147	0.80413	0.81656	0.81328	1.16E+01	3.66E-01	2.45E-05	4.36E-02	1.33E+00	1.11E-01	1.41E+00	1.35E+00	1.35E+01
507	489813.71	3861150.05	1.06915	0.82234	0.95345	0.79944	3.16945	0.78961	0.82627	0.82234	1.10E+01	3.70E-01	2.42E-05	4.14E-02	1.46E+00	1.09E-01	1.43E+00	1.36E+00	1.30E+01
508	489863.71	3861150.05	1.02143	0.8305	0.87144	0.77885	3.42943	0.77241	0.83388	0.8305	1.05E+01	3.74E-01	2.21E-05	4.03E-02	1.58E+00	1.07E-01	1.44E+00	1.38E+00	1.26E+01
509	489913.71	3861150.05	0.97365	0.83746	0.84268	0.76105	3.66445	0.75329	0.84054	0.83746	9.98E+00	3.77E-01	2.14E-05	3.94E-02	1.69E+00	1.04E-01	1.45E+00	1.39E+00	1.23E+01

510	489963.71	3861150.05	0.9259	0.8453	0.73835	0.74559	3.8681	0.73322	0.84786	0.8453	9.49E+00	3.80E-01	1.87E-05	3.86E-02	1.78E+00	1.01E-01	1.46E+00	1.40E+00	1.19E+01
511	490013.71	3861150.05	0.8784	0.852	0.65043	0.7326	4.03671	0.71367	0.85575	0.852	9.01E+00	3.83E-01	1.65E-05	3.79E-02	1.86E+00	9.87E-02	1.48E+00	1.41E+00	1.15E+01
512	490063.71	3861150.05	0.83165	0.86263	0.85269	0.7233	4.17342	0.69694	0.865	0.86263	8.53E+00	3.88E-01	2.16E-05	3.74E-02	1.92E+00	9.64E-02	1.49E+00	1.43E+00	1.10E+01
513	489613.71	3861200.05	1.44609	0.7904	1.12115	1.01874	1.86895	0.84047	0.79425	0.7904	1.48E+01	3.56E-01	2.84E-05	5.27E-02	8.61E-01	1.16E-01	1.37E+00	1.31E+00	1.63E+01
514	489663.71	3861200.05	1.35559	0.79956	1.04203	0.9504	2.13713	0.83352	0.80327	0.79956	1.39E+01	3.60E-01	2.64E-05	4.92E-02	9.85E-01	1.15E-01	1.39E+00	1.32E+00	1.55E+01
515	489713.71	3861200.05	1.26366	0.80892	0.88129	0.8925	2.41405	0.82528	0.81248	0.80892	1.30E+01	3.64E-01	2.24E-05	4.62E-02	1.11E+00	1.14E-01	1.40E+00	1.34E+00	1.47E+01
516	489763.71	3861200.05	1.17215	0.81813	0.93119	0.84237	2.69366	0.81503	0.82191	0.81813	1.20E+01	3.68E-01	2.36E-05	4.36E-02	1.24E+00	1.13E-01	1.42E+00	1.36E+00	1.38E+01
517	489813.71	3861200.05	1.0835	0.82756	0.92293	0.79903	2.97015	0.80295	0.83154	0.82756	1.11E+01	3.72E-01	2.34E-05	4.14E-02	1.37E+00	1.11E-01	1.44E+00	1.37E+00	1.31E+01
518	489863.71	3861200.05	1.03686	0.83772	0.84301	0.77348	3.23818	0.78924	0.84183	0.83772	1.06E+01	3.77E-01	2.14E-05	4.00E-02	1.49E+00	1.09E-01	1.45E+00	1.39E+00	1.27E+01
519	489913.71	3861200.05	0.98951	0.84644	0.82116	0.75488	3.4807	0.77185	0.85041	0.84644	1.01E+01	3.81E-01	2.08E-05	3.91E-02	1.60E+00	1.07E-01	1.47E+00	1.40E+00	1.23E+01
520	489963.71	3861200.05	0.94216	0.8547	0.72735	0.73853	3.69541	0.75269	0.85888	0.8547	9.66E+00	3.85E-01	1.85E-05	3.82E-02	1.70E+00	1.04E-01	1.48E+00	1.42E+00	1.20E+01
521	490013.71	3861200.05	0.89551	0.86388	0.60146	0.72616	3.88469	0.73427	0.86853	0.86388	9.18E+00	3.89E-01	1.53E-05	3.76E-02	1.79E+00	1.02E-01	1.50E+00	1.43E+00	1.16E+01
522	490063.71	3861200.05	0.84899	0.87308	0.7968	0.71473	4.03447	0.71566	0.87734	0.87308	8.71E+00	3.93E-01	2.02E-05	3.70E-02	1.86E+00	9.89E-02	1.51E+00	1.45E+00	1.12E+01
523	489513.71	3861250.05	1.61771	0.76166	1.03901	1.20153	1.24364	0.85644	0.76594	0.76166	1.66E+01	3.43E-01	2.64E-05	6.22E-02	5.73E-01	1.18E-01	1.32E+00	1.26E+00	1.77E+01
524	489563.71	3861250.05	1.54918	0.77181	1.08202	1.10525	1.46783	0.85174	0.77617	0.77181	1.59E+01	3.47E-01	2.74E-05	5.72E-02	6.76E-01	1.18E-01	1.34E+00	1.28E+00	1.71E+01
525	489613.71	3861250.05	1.47113	0.78171	1.09525	1.02296	1.70961	0.84659	0.78587	0.78171	1.51E+01	3.52E-01	2.78E-05	5.30E-02	7.88E-01	1.17E-01	1.36E+00	1.30E+00	1.65E+01
526	489663.71	3861250.05	1.38633	0.79086	1.01227	0.95215	1.96396	0.84004	0.79535	0.79086	1.42E+01	3.56E-01	2.57E-05	4.93E-02	9.05E-01	1.16E-01	1.37E+00	1.31E+00	1.57E+01
527	489713.71	3861250.05	1.2983	0.80065	0.85505	0.89349	2.23109	0.83323	0.8052	0.80065	1.33E+01	3.60E-01	2.17E-05	4.63E-02	1.03E+00	1.15E-01	1.39E+00	1.33E+00	1.49E+01
528	489763.71	3861250.05	1.20928	0.81063	0.90101	0.84306	2.50361	0.82492	0.81518	0.81063	1.24E+01	3.65E-01	2.29E-05	4.36E-02	1.15E+00	1.14E-01	1.41E+00	1.34E+00	1.41E+01
529	489813.71	3861250.05	1.12108	0.82073	0.89427	0.79907	2.77578	0.81464	0.82527	0.82073	1.15E+01	3.69E-01	2.27E-05	4.14E-02	1.28E+00	1.13E-01	1.42E+00	1.36E+00	1.34E+01
530	489863.71	3861250.05	1.05046	0.83087	0.81215	0.76577	3.04112	0.80217	0.83546	0.83087	1.08E+01	3.74E-01	2.06E-05	3.96E-02	1.40E+00	1.11E-01	1.44E+00	1.38E+00	1.28E+01
531	489913.71	3861250.05	1.00472	0.84142	0.79941	0.74859	3.29436	0.78799	0.84583	0.84142	1.03E+01	3.79E-01	2.03E-05	3.88E-02	1.52E+00	1.09E-01	1.46E+00	1.39E+00	1.24E+01
532	489963.71	3861250.05	0.95879	0.85159	0.71784	0.73333	3.52423	0.77136	0.85624	0.85159	9.83E+00	3.83E-01	1.82E-05	3.80E-02	1.62E+00	1.07E-01	1.48E+00	1.41E+00	1.21E+01
533	490013.71	3861250.05	0.91297	0.86147	0.58905	0.71992	3.72528	0.75318	0.86655	0.86147	9.36E+00	3.88E-01	1.49E-05	3.73E-02	1.72E+00	1.04E-01	1.50E+00	1.43E+00	1.17E+01
534	490063.71	3861250.05	0.86718	0.87091	0.74375	0.70706	3.88787	0.73359	0.87576	0.87091	8.89E+00	3.92E-01	1.89E-05	3.66E-02	1.79E+00	1.01E-01	1.51E+00	1.44E+00	1.13E+01
535	489528.13	3861308.47	1.60621	0.73842	1.02605	1.17	1.15857	0.86074	0.74299	0.73842	1.65E+01	3.32E-01	2.60E-05	6.06E-02	5.34E-01	1.19E-01	1.28E+00	1.22E+00	1.76E+01
536	489578.13	3861308.47	1.54391	0.74851	1.07014	1.07723	1.37003	0.85527	0.7532	0.74851	1.58E+01	3.37E-01	2.71E-05	5.58E-02	6.31E-01	1.18E-01	1.30E+00	1.24E+00	1.70E+01
537	489628.13	3861308.47	1.47235	0.75856	1.04687	0.9992	1.59943	0.8501	0.76336	0.75856	1.51E+01	3.41E-01	2.66E-05	5.17E-02	7.37E-01	1.18E-01	1.32E+00	1.26E+00	1.64E+01
538	489678.13	3861308.47	1.39375	0.76873	0.93997	0.93429	1.84543	0.84529	0.77371	0.76873	1.43E+01	3.46E-01	2.38E-05	4.84E-02	8.50E-01	1.17E-01	1.34E+00	1.27E+00	1.57E+01
539	489728.13	3861308.47	1.31053	0.77904	0.82089	0.87829	2.10287	0.83951	0.78405	0.77904	1.34E+01	3.51E-01	2.08E-05	4.55E-02	9.69E-01	1.16E-01	1.35E+00	1.29E+00	1.50E+01
540	489778.13	3861308.47	1.22495	0.78937	0.87411	0.82897	2.36596	0.83175	0.79448	0.78937	1.26E+01	3.55E-01	2.22E-05	4.29E-02	1.09E+00	1.15E-01	1.37E+00	1.31E+00	1.42E+01
541	489678.13	3861358.47	1.41736	0.73628	0.91223	0.93346	1.68888	0.85029	0.74137	0.73628	1.45E+01	3.31E-01	2.31E-05	4.83E-02	7.78E-01	1.18E-01	1.28E+00	1.22E+00	1.59E+01
542	489728.13	3861358.47	1.3393	0.74659	0.79501	0.87702	1.93456	0.84471	0.7518	0.74659	1.37E+01	3.36E-01	2.02E-05	4.54E-02	8.92E-01	1.17E-01	1.30E+00	1.24E+00	1.52E+01
543	489528.13	3861408.47	1.60995	0.66627	0.99249	1.16916	0.93787	0.87375	0.67135	0.66627	1.65E+01	3.00E-01	2.52E-05	6.05E-02	4.32E-01	1.21E-01	1.16E+00	1.10E+00	1.75E+01
544	489578.13	3861408.47	1.56039	0.67604	1.02629	1.07591	1.12071	0.86621	0.68108	0.67604	1.60E+01	3.04E-01	2.60E-05	5.57E-02	5.16E-01	1.20E-01	1.18E+00	1.12E+00	1.71E+01
545	489628.13	3861408.47	1.50335	0.68553	0.99408	1.00162	1.32539	0.86183	0.69065	0.68553	1.54E+01	3.09E-01	2.52E-05	5.19E-02	6.11E-01	1.19E-01	1.19E+00	1.14E+00	1.66E+01
546	489678.13	3861408.47	1.43725	0.69561	0.88608	0.93357	1.54321	0.85522	0.70133	0.69561	1.47E+01	3.13E-01	2.25E-05	4.83E-02	7.11E-01	1.18E-01	1.21E+00	1.15E+00	1.60E+01
547	489728.13	3861408.47	1.3645	0.706	0.77059	0.87568	1.77519	0.84873	0.71169	0.706	1.40E+01	3.18E-01	1.95E-05	4.53E-02	8.18E-01	1.17E-01	1.23E+00	1.17E+00	1.53E+01
548	489528.13	3861458.47	1.60985	0.62139	0.9769	1.17287	0.8428	0.88266	0.62635	0.62139	1.65E+01	2.80E-01	2.48E-05	6.07E-02	3.88E-01	1.22E-01	1.08E+00	1.03E+00	1.74E+01
549	489578.13	3861458.47	1.56511	0.6306	1.00578	1.0779	1.01211	0.87352	0.63565	0.6306	1.60E+01	2.84E-01	2.55E-05	5.58E-02	4.66E-01	1.21E-01	1.10E+00	1.04E+00	1.70E+01
550	489628.13	3861458.47	1.51307	0.6399	0.96691	0.99863	1.20024	0.86576	0.64528	0.6399	1.55E+01	2.88E-01	2.45E-05	5.17E-02	5.53E-01	1.20E-01	1.11E+00	1.06E+00	1.66E+01
551	489678.13	3861458.47	1.45319	0.64981	0.86	0.93125	1.40566	0.85847	0.65514	0.64981	1.49E+01	2.92E-01	2.18E-05	4.82E-02	6.48E-01	1.19E-01	1.13E+00	1.08E+00	1.61E+01
552	489728.13	3861458.47	1.38589	0.66017	0.74557	0.87238	1.62369	0.85039	0.66588	0.66017	1.42E+01	2.97E-01	1.89E-05	4.52E-02	7.48E-01	1.18E-01	1.15E+00	1.09E+00	1.55E+01
553	489528.13	3861508.47	1.60861	0.57367	0.96	1.17194	0.75572	0.89128	0.57856	0.57367	1.65E+01	2.58E-01	2.44E-05	6.07E-02	3.48E-01	1.23E-01	9.99E-01	9.51E-01	1.73E+01
554	489578.13	3861508.47	1.56741	0.58255	0.98374	1.07465	0.91095	0.87936	0.58758	0.58255	1.61E+01	2.62E-01	2.50E-05	5.56E-02	4.20E-01	1.22E-01	1.01E+00	9.65E-01	1.70E+01
555	489628.13	3861508.47	1.52004	0.59173	0.94041	0.99508	1.08519	0.86926	0.59689	0.59173	1.56E+01	2.66E-01	2.39E-05	5.15E-02	5.00E-01	1.20E-01	1.03E+00	9.80E-01	1.66E+01
556	489678.13	3861508.47	1.46557	0.60137	0.83412	0.92811	1.27639	0.8601	0.6067	0.60137	1.50E+01	2.71E-01	2.12E-05	4.80E-02	5.88E-01	1.19E-01	1.05E+00	9.96E-01	1.61E+01
557	489728.13	3861508.47	1.40422	0.61141	0.72338	0.87116	1.48353	0.8517	0.6169	0.61141	1.44E+01	2.75E-01	1.84E-05	4.51E-02	6.84E-01	1.18E-01	1.07E+00	1.01E+00	1.56E+01
558	489628.13	3861558.47	1.52573	0.5415	0.9167	0.99694	0.98109	0.87428	0.54649	0.5415	1.56E+01	2.44E-01	2.33E-05	5.16E-02	4.52E-01	1.21E-01	9.44E-01	8.97E-01	1.66E+01
559	489678.13	3861558.47	1.47679	0.5493	0.81285	0.93169	1.16238	0.86483	0.55427	0.5493	1.51E+01	2.47E-01	2.06E-05	4.82E-02	5.36E-01	1.20E-01	9.57E-01	9.10E-01	1.61E+01
560	489728.13	3861558.47	1.42057	0.55854	0.70755	0.87529	1.35813	0.85497	0.56373	0.55854	1.46E+01	2.51E-01	1.79E-05	4.53E-02	6.26E-01	1.18E-01	9.73E-01	9.25E-01	1.57E+01
561	489357.08	3861015.81	1.82662	0.71577	0.99579	1.7814	1.18111	0.87766	0.71794	0.71577	1.87E+01	3.22E-01	2.53E-05	9.22E-02	5.44E-01	1.21E-01	1.24E+00	1.19E+00	1.99E+01
562	489407.08	3861015.81	1.74786	0.71888	0.86591	1.52002	1.4086	0.86704	0.72024	0.71888	1.79E+01	3.24E-01	2.20E-05	7.87E-02	6.49E-01	1.20E-01	1.24E+00	1.19E+00	1.91E+01
563	489457.08	3861015.81	1.65243	0.72192	0.92259	1.34422	1.66137	0.85799	0.72554	0.72192	1.69E+01	3.25E-01	2.34E-05	6.96E-02	7.66E-01	1.19E-01	1.25E+00	1.20E+00	1.83E+01
564	489357.08	3861065.81	1.81658	0.73821	0.91947	1.7971	1.05838	0.87898	0.741	0.73821	1.86E+01	3.32E-01	2.33E-05	9.30E-02	4.88E-01	1.22E-01	1.28E+00	1.22E+00	1.97E+01
565	489407.08	3861065.81	1.75169	0.74276	0.80625	1.53831	1.26915	0.86821	0.74501	0.74276	1.80E+01	3.34E-01	2.05E-05	7.96E-02	5.85E-01	1.20E-01	1.29E+00	1.23E+00	1.91E+01
566	489457.08	3861065.81	1.67024	0.74766	0.93813	1.35809	1.50545	0.85979	0.74985	0.74766	1.71E+01	3.36E-01	2.38E-05	7.03E-02	6.94E-01	1.19E-01	1.29E+00	1.24E+00	1.84E+01

567	489357.08	3861115.81	1.80445	0.751	0.86978	1.79377	0.94538	0.88065	0.7545	0.751	1.85E+01	3.38E-01	2.21E-05	9.29E-02	4.36E-01	1.22E-01	1.30E+00	1.24E+00	1.95E+01
568	489407.08	3861115.81	1.75039	0.75793	0.78484	1.54865	1.14335	0.87176	0.76121	0.75793	1.79E+01	3.41E-01	1.99E-05	8.02E-02	5.27E-01	1.21E-01	1.31E+00	1.26E+00	1.91E+01
569	489457.08	3861115.81	1.68154	0.76483	0.95343	1.3697	1.36408	0.86392	0.76823	0.76483	1.72E+01	3.44E-01	2.42E-05	7.09E-02	6.29E-01	1.19E-01	1.33E+00	1.27E+00	1.85E+01
570	489407.08	3861165.81	1.74579	0.76195	0.80743	1.53928	1.02713	0.87619	0.76579	0.76195	1.79E+01	3.43E-01	2.05E-05	7.97E-02	4.73E-01	1.21E-01	1.32E+00	1.26E+00	1.90E+01
571	489457.08	3861165.81	1.68645	0.76989	0.96231	1.36792	1.22983	0.86643	0.77366	0.76989	1.73E+01	3.46E-01	2.44E-05	7.08E-02	5.67E-01	1.20E-01	1.34E+00	1.28E+00	1.85E+01
572	489407.08	3861215.81	1.73656	0.75475	0.81781	1.54839	0.91271	0.87485	0.75842	0.75475	1.78E+01	3.40E-01	2.07E-05	8.02E-02	4.21E-01	1.21E-01	1.31E+00	1.25E+00	1.88E+01
573	489457.08	3861215.81	1.68543	0.7629	0.96138	1.36802	1.10038	0.86552	0.76706	0.7629	1.73E+01	3.43E-01	2.44E-05	7.08E-02	5.07E-01	1.20E-01	1.32E+00	1.26E+00	1.84E+01
574	489407.08	3861265.81	1.7267	0.73588	0.82579	1.51101	0.80998	0.87524	0.74018	0.73588	1.77E+01	3.31E-01	2.09E-05	7.82E-02	3.73E-01	1.21E-01	1.28E+00	1.22E+00	1.87E+01
575	489457.08	3861265.81	1.68181	0.74557	0.95881	1.34922	0.98287	0.86655	0.74986	0.74557	1.72E+01	3.36E-01	2.43E-05	6.98E-02	4.53E-01	1.20E-01	1.29E+00	1.24E+00	1.83E+01
576	489309.86	3861110.14	1.84679	0.74353	1.05561	2.12539	0.90823	0.88961	0.74675	0.74353	1.89E+01	3.35E-01	2.68E-05	1.10E-01	4.19E-01	1.23E-01	1.29E+00	1.23E+00	2.00E+01
577	489407.08	3861315.81	1.71866	0.71069	0.83782	1.50904	0.7442	0.88314	0.71509	0.71069	1.76E+01	3.20E-01	2.13E-05	7.81E-02	3.43E-01	1.22E-01	1.23E+00	1.18E+00	1.85E+01
578	489457.08	3861315.81	1.67809	0.72056	0.95974	1.34911	0.88038	0.8733	0.72504	0.72056	1.72E+01	3.24E-01	2.43E-05	6.98E-02	4.06E-01	1.21E-01	1.25E+00	1.19E+00	1.82E+01
579	488906.03	3861006.75	2.18834	0.66909	1.2276	2.0884	2.45982	1.10676	0.6715	0.66909	2.24E+01	3.01E-01	3.11E-05	1.08E-01	1.13E+00	1.53E-01	1.16E+00	1.11E+00	2.42E+01
580	488956.03	3861006.75	2.15991	0.67173	1.25838	2.51645	2.34338	1.06385	0.67436	0.67173	2.21E+01	3.02E-01	3.19E-05	1.30E-01	1.08E+00	1.47E-01	1.16E+00	1.11E+00	2.39E+01
581	488904.24	3861051.87	2.16912	0.65581	1.24232	2.04847	2.51378	1.12853	0.65905	0.65581	2.22E+01	2.95E-01	3.15E-05	1.06E-01	1.16E+00	1.56E-01	1.14E+00	1.09E+00	2.40E+01
582	488954.24	3861051.87	2.1353	0.67412	1.31191	2.48811	2.37365	1.0812	0.67737	0.67412	2.19E+01	3.03E-01	3.33E-05	1.29E-01	1.09E+00	1.49E-01	1.17E+00	1.12E+00	2.36E+01
583	489004.24	3861051.87	2.10751	0.67101	1.39962	2.89671	2.23129	1.04063	0.67432	0.67101	2.16E+01	3.02E-01	3.55E-05	1.50E-01	1.03E+00	1.44E-01	1.16E+00	1.11E+00	2.33E+01
584	488804.24	3861101.87	2.16949	0.66143	1.23334	1.15886	2.51742	1.24181	0.6647	0.66143	2.22E+01	2.98E-01	3.13E-05	6.00E-02	1.16E+00	1.72E-01	1.15E+00	1.10E+00	2.40E+01
585	488854.24	3861101.87	2.1531	0.66232	1.20193	1.58419	2.5298	1.19512	0.66567	0.66232	2.21E+01	2.98E-01	3.05E-05	8.20E-02	1.17E+00	1.65E-01	1.15E+00	1.10E+00	2.38E+01
586	488904.24	3861101.87	2.1221	0.68591	1.15901	2.00876	2.43677	1.13721	0.68912	0.68591	2.18E+01	3.09E-01	2.94E-05	1.04E-01	1.12E+00	1.57E-01	1.19E+00	1.14E+00	2.35E+01
587	488954.24	3861101.87	2.09468	0.6949	1.25806	2.28595	2.32743	1.08424	0.69824	0.6949	2.15E+01	3.13E-01	3.19E-05	1.18E-01	1.07E+00	1.50E-01	1.21E+00	1.15E+00	2.32E+01
588	489004.24	3861101.87	2.06641	0.70124	1.25802	2.75733	2.18763	1.04177	0.70462	0.70124	2.12E+01	3.16E-01	3.19E-05	1.43E-01	1.01E+00	1.44E-01	1.22E+00	1.16E+00	2.29E+01
589	488804.24	3861151.87	2.12348	0.67232	1.0988	1.17483	2.42008	1.21696	0.67543	0.67232	2.18E+01	3.03E-01	2.79E-05	6.08E-02	1.12E+00	1.68E-01	1.17E+00	1.11E+00	2.35E+01
590	488854.24	3861151.87	2.10465	0.67927	1.05915	1.39426	2.42586	1.17843	0.68252	0.67927	2.16E+01	3.06E-01	2.69E-05	7.22E-02	1.12E+00	1.63E-01	1.18E+00	1.13E+00	2.33E+01
591	489129.49	3861187.55	1.9444	0.71429	1.17485	5.64739	1.74333	0.96977	0.71783	0.71429	1.99E+01	3.21E-01	2.98E-05	2.92E-01	8.03E-01	1.34E-01	1.24E+00	1.18E+00	2.15E+01
592	489179.49	3861187.55	1.91104	0.72166	1.25399	10.4065	1.53061	0.94162	0.7252	0.72166	1.96E+01	3.25E-01	3.18E-05	5.39E-01	7.05E-01	1.30E-01	1.25E+00	1.20E+00	2.14E+01
593	488804.24	3861201.87	2.09195	0.66131	1.05882	1.17475	2.37867	1.20566	0.66439	0.66131	2.15E+01	2.98E-01	2.69E-05	6.08E-02	1.10E+00	1.67E-01	1.15E+00	1.10E+00	2.31E+01
594	488854.24	3861201.87	2.07234	0.66724	1.06512	1.35779	2.38641	1.17323	0.67048	0.66724	2.12E+01	3.00E-01	2.70E-05	7.03E-02	1.10E+00	1.62E-01	1.16E+00	1.11E+00	2.29E+01
595	489129.49	3861237.55	1.92723	0.70076	1.18794	5.65593	1.78405	0.98859	0.70453	0.70076	1.98E+01	3.15E-01	3.01E-05	2.93E-01	8.22E-01	1.37E-01	1.22E+00	1.16E+00	2.14E+01
596	489179.49	3861237.55	1.8944	0.70839	1.21795	10.4407	1.57352	0.95533	0.71215	0.70839	1.94E+01	3.19E-01	3.09E-05	5.40E-01	7.25E-01	1.32E-01	1.23E+00	1.17E+00	2.12E+01
597	488804.24	3861251.87	2.06306	0.64028	1.00412	1.17337	2.3394	1.1928	0.64332	0.64028	2.12E+01	2.88E-01	2.55E-05	6.07E-02	1.08E+00	1.65E-01	1.11E+00	1.06E+00	2.28E+01
598	488854.24	3861251.87	2.04389	0.64909	1.0965	1.31784	2.35527	1.16801	0.65238	0.64909	2.10E+01	2.92E-01	2.78E-05	6.82E-02	1.09E+00	1.61E-01	1.13E+00	1.08E+00	2.26E+01
599	488804.24	3861301.87	2.03281	0.61294	1.01868	1.17356	2.28879	1.17408	0.61614	0.61294	2.08E+01	2.76E-01	2.58E-05	6.08E-02	1.05E+00	1.62E-01	1.06E+00	1.02E+00	2.24E+01
600	488854.24	3861301.87	2.01686	0.62209	1.10602	1.2762	2.32139	1.15866	0.62546	0.62209	2.07E+01	2.80E-01	2.81E-05	6.61E-02	1.07E+00	1.60E-01	1.08E+00	1.03E+00	2.23E+01
601	490943.5	3860181.97	1.19823	1.59951	2.48232	1.7019	1.70316	1.30222	1.26837	1.59951	1.23E+01	7.20E-01	6.30E-05	8.81E-02	7.85E-01	1.80E-01	2.19E+00	2.65E+00	1.36E+01
602	490993.5	3860181.97	1.22218	1.71564	2.41247	1.70695	1.68513	1.33337	1.40617	1.71564	1.25E+01	7.72E-01	6.12E-05	8.84E-02	7.77E-01	1.84E-01	2.43E+00	2.84E+00	1.39E+01
603	491043.5	3860181.97	1.24818	1.83295	2.43877	1.74378	1.71336	1.38458	1.54628	1.83295	1.28E+01	8.25E-01	6.19E-05	9.03E-02	7.90E-01	1.91E-01	2.67E+00	3.04E+00	1.43E+01
604	491093.5	3860181.97	1.27649	1.9418	2.41461	1.75079	1.71583	1.49299	1.67775	1.9418	1.31E+01	8.74E-01	6.13E-05	9.06E-02	7.91E-01	2.06E-01	2.90E+00	3.22E+00	1.47E+01
605	490943.5	3860231.97	1.14644	1.37586	2.48781	1.68049	1.69646	1.1851	1.09129	1.37586	1.18E+01	6.19E-01	6.31E-05	8.70E-02	7.82E-01	1.64E-01	1.88E+00	2.28E+00	1.30E+01
606	490993.5	3860231.97	1.17389	1.50659	2.45887	1.65116	1.67631	1.22203	1.17831	1.50659	1.20E+01	6.78E-01	6.24E-05	8.55E-02	7.73E-01	1.69E-01	2.03E+00	2.50E+00	1.33E+01
607	491043.5	3860231.97	1.20314	1.61086	2.3479	1.62282	1.64653	1.24382	1.30071	1.61086	1.23E+01	7.25E-01	5.96E-05	8.40E-02	7.59E-01	1.72E-01	2.25E+00	2.67E+00	1.37E+01
608	491093.5	3860231.97	1.23524	1.70196	2.38827	1.63071	1.67263	1.26886	1.41227	1.70196	1.27E+01	7.66E-01	6.06E-05	8.44E-02	7.71E-01	1.75E-01	2.44E+00	2.82E+00	1.41E+01
609	490943.5	3860281.97	1.12283	1.16859	2.29732	1.63841	1.6642	1.08491	1.01488	1.16859	1.15E+01	5.26E-01	5.83E-05	8.48E-02	7.67E-01	1.50E-01	1.75E+00	1.94E+00	1.29E+01
610	490993.5	3860281.97	1.14093	1.27999	2.39089	1.63002	1.66689	1.11489	1.07853	1.27999	1.17E+01	5.76E-01	6.07E-05	8.44E-02	7.68E-01	1.54E-01	1.86E+00	2.12E+00	1.30E+01
611	491043.5	3860281.97	1.16893	1.37908	2.38277	1.5916	1.64292	1.13778	1.13499	1.37908	1.20E+01	6.21E-01	6.04E-05	8.24E-02	7.57E-01	1.57E-01	1.96E+00	2.29E+00	1.33E+01
612	491093.5	3860281.97	1.19596	1.47443	2.294	1.54257	1.60557	1.15997	1.19208	1.47443	1.23E+01	6.64E-01	5.82E-05	7.99E-02	7.40E-01	1.60E-01	2.06E+00	2.44E+00	1.35E+01
613	490943.5	3860331.97	1.10052	0.9886	1.99377	1.56426	1.60722	0.99308	0.94731	0.9886	1.13E+01	4.45E-01	5.06E-05	8.10E-02	7.41E-01	1.37E-01	1.64E+00	1.64E+00	1.27E+01
614	490993.5	3860331.97	1.10234	1.07718	2.1526	1.57667	1.62863	1.01315	0.99026	1.07718	1.13E+01	4.85E-01	5.46E-05	8.16E-02	7.51E-01	1.40E-01	1.71E+00	1.78E+00	1.27E+01
615	491043.5	3860331.97	1.11479	1.17059	2.25358	1.56442	1.62867	1.03428	1.0375	1.17059	1.14E+01	5.27E-01	5.72E-05	8.10E-02	7.51E-01	1.43E-01	1.79E+00	1.94E+00	1.28E+01
616	491093.5	3860331.97	1.13326	1.26613	2.28392	1.53384	1.60816	1.05622	1.08915	1.26613	1.16E+01	5.70E-01	5.79E-05	7.94E-02	7.41E-01	1.46E-01	1.88E+00	2.10E+00	1.29E+01
617	490086.72	3859935.12	1.24401	1.01516	2.996	1.95681	3.7675	1.40162	1.1338	1.01516	1.28E+01	4.57E-01	7.60E-05	1.01E-01	1.74E+00	1.94E-01	1.96E+00	1.68E+00	1.55E+01
618	490136.72	3859935.12	1.23673	1.04908	2.90873	1.95827	3.5261	1.44418	1.19146	1.04908	1.27E+01	4.72E-01	7.38E-05	1.01E-01	1.62E+00	2.00E-01	2.06E+00	1.74E+00	1.54E+01
619	490186.72	3859935.12	1.23427	1.08586	2.61526	1.95655	3.25272	1.48976	1.23292	1.08586	1.27E+01	4.89E-01	6.63E-05	1.01E-01	1.50E+00	2.06E-01	2.13E+00	1.80E+00	1.53E+01
620	490236.72	3859935.12	1.23658	1.11939	2.70997	1.95786	2.9584	1.53895	1.26295	1.11939	1.27E+01	5.04E-01	6.87E-05	1.01E-01	1.36E+00	2.13E-01	2.18E+00	1.85E+00	1.52E+01
621	490286.72	3859935.12	1.24326	1.24045	2.90692	1.9538	2.64986	1.58883	1.27933	1.24045	1.27E+01	5.58E-01	7.37E-05	1.01E-01	1.22E+00	2.20E-01	2.21E+00	2.06E+00	1.50E+01
622	490336.72	3859935.12	1.25419	1.38152	2.78025	1.98432	2.34108	1.64157	1.28563	1.38152	1.29E+01	6.22E-01	7.05E-05	1.03E-01	1.08E+00	2.27E-01	2.22E+00	2.29E+00	1.48E+01
623	490386.72	3859935.12	1.26943	1.55033	2.83938	2.12228	2.04361	1.70178	1.27657	1.55033	1.30E+01	6.98E-01	7.20E-05	1.10E-01	9.42E-01	2.35E-01	2.20E+00	2.57E+00	1.46E+01

624	490436.72	3859935.12	1.28725	1.73777	2.93771	2.22917	1.79404	1.76462	1.27497	1.73777	1.32E+01	7.82E-01	7.45E-05	1.15E-01	8.27E-01	2.44E-01	2.20E+00	2.88E+00	1.45E+01
625	490486.72	3859935.12	1.30705	1.94411	3.19218	2.29378	1.87067	1.83619	1.50007	1.94411	1.34E+01	8.75E-01	8.10E-05	1.19E-01	8.62E-01	2.54E-01	2.59E+00	3.22E+00	1.49E+01
626	490536.72	3859935.12	1.3298	2.19295	3.23212	2.33074	1.92637	1.93807	1.7791	2.19295	1.36E+01	9.87E-01	8.20E-05	1.21E-01	8.88E-01	2.68E-01	3.07E+00	3.63E+00	1.53E+01
627	490586.72	3859935.12	1.37451	2.46653	3.24919	2.39614	1.9547	2.05663	2.08678	2.46653	1.41E+01	1.11E+00	8.24E-05	1.24E-01	9.01E-01	2.84E-01	3.60E+00	4.09E+00	1.60E+01
628	490636.72	3859935.12	1.42135	2.70915	3.23048	2.57981	1.94765	2.17032	2.36456	2.70915	1.46E+01	1.22E+00	8.20E-05	1.34E-01	8.98E-01	3.00E-01	4.08E+00	4.49E+00	1.67E+01
629	490686.72	3859935.12	1.47326	3.05425	3.06753	2.83268	1.92238	2.33071	2.73899	3.05425	1.51E+01	1.37E+00	7.78E-05	1.47E-01	8.86E-01	3.22E-01	4.73E+00	5.06E+00	1.75E+01
630	490736.72	3859935.12	1.52312	3.35929	2.70644	3.09083	1.96805	2.49421	3.07289	3.35929	1.56E+01	1.51E+00	6.87E-05	1.60E-01	9.07E-01	3.45E-01	5.31E+00	5.57E+00	1.83E+01
631	490086.72	3859985.12	1.24342	0.93856	2.37907	1.86268	3.85172	1.26826	1.01324	0.93856	1.28E+01	4.22E-01	6.04E-05	9.64E-02	1.78E+00	1.75E-01	1.75E+00	1.56E+00	1.54E+01
632	490136.72	3859985.12	1.23081	0.96362	2.66227	1.87081	3.64936	1.30108	1.08091	0.96362	1.26E+01	4.34E-01	6.75E-05	9.68E-02	1.68E+00	1.80E-01	1.87E+00	1.60E+00	1.53E+01
633	490186.72	3859985.12	1.22244	0.99767	2.74902	1.87688	3.41477	1.33688	1.13731	0.99767	1.25E+01	4.49E-01	6.97E-05	9.72E-02	1.57E+00	1.85E-01	1.96E+00	1.65E+00	1.52E+01
634	490236.72	3859985.12	1.21854	1.03601	2.52128	1.88596	3.15255	1.37569	1.18149	1.03601	1.25E+01	4.66E-01	6.40E-05	9.76E-02	1.45E+00	1.90E-01	2.04E+00	1.72E+00	1.50E+01
635	490286.72	3859985.12	1.21773	1.05634	2.53083	1.88284	2.86119	1.41492	1.20818	1.05634	1.25E+01	4.75E-01	6.42E-05	9.75E-02	1.32E+00	1.96E-01	2.09E+00	1.75E+00	1.49E+01
636	490336.72	3859985.12	1.22082	1.12793	2.73641	1.87698	2.56074	1.45547	1.2232	1.12793	1.25E+01	5.08E-01	6.94E-05	9.72E-02	1.18E+00	2.01E-01	2.11E+00	1.87E+00	1.47E+01
637	490386.72	3859985.12	1.22706	1.24351	2.62618	1.85635	2.25624	1.49404	1.22058	1.24351	1.26E+01	5.60E-01	6.66E-05	9.61E-02	1.04E+00	2.07E-01	2.11E+00	2.06E+00	1.45E+01
638	490436.72	3859985.12	1.23763	1.38296	2.60689	1.94181	1.96639	1.53851	1.20556	1.38296	1.27E+01	6.22E-01	6.61E-05	1.01E-01	9.06E-01	2.13E-01	2.08E+00	2.29E+00	1.43E+01
639	490486.72	3859985.12	1.25133	1.54515	2.69782	2.058	1.74941	1.58906	1.18028	1.54515	1.28E+01	6.95E-01	6.84E-05	1.07E-01	8.06E-01	2.20E-01	2.04E+00	2.56E+00	1.41E+01
640	490536.72	3859985.12	1.26759	1.73417	3.01511	2.14409	1.82885	1.65126	1.29342	1.73417	1.30E+01	7.80E-01	7.65E-05	1.11E-01	8.43E-01	2.28E-01	2.23E+00	2.87E+00	1.43E+01
641	490586.72	3859985.12	1.28487	1.94564	3.14776	2.19244	1.88314	1.72528	1.52426	1.94564	1.32E+01	8.76E-01	7.99E-05	1.13E-01	8.68E-01	2.39E-01	2.63E+00	3.22E+00	1.47E+01
642	490636.72	3859985.12	1.32936	2.1767	3.08454	2.20696	1.91159	1.8103	1.77698	2.1767	1.36E+01	9.80E-01	7.82E-05	1.14E-01	8.81E-01	2.50E-01	3.07E+00	3.61E+00	1.53E+01
643	490686.72	3859985.12	1.38311	2.45088	3.09994	2.30406	1.91806	1.90304	2.07159	2.45088	1.42E+01	1.10E+00	7.86E-05	1.19E-01	8.84E-01	2.63E-01	3.58E+00	4.06E+00	1.61E+01
644	490736.72	3859985.12	1.43447	2.66325	3.00834	2.42348	1.8845	1.99501	2.29965	2.66325	1.47E+01	1.20E+00	7.63E-05	1.25E-01	8.68E-01	2.76E-01	3.97E+00	4.41E+00	1.67E+01
645	490786.72	3859985.12	1.48299	2.88087	2.75408	2.53541	1.90968	2.09859	2.52568	2.88087	1.52E+01	1.30E+00	6.99E-05	1.31E-01	8.80E-01	2.90E-01	4.36E+00	4.77E+00	1.74E+01
646	490086.72	3860035.12	1.24426	0.87442	2.5659	1.77163	3.89376	1.23648	0.97109	0.87442	1.28E+01	3.94E-01	6.51E-05	9.17E-02	1.79E+00	1.71E-01	1.68E+00	1.45E+00	1.54E+01
647	490136.72	3860035.12	1.22984	0.89619	2.28977	1.79582	3.73935	1.20735	0.96811	0.89619	1.26E+01	4.03E-01	5.81E-05	9.30E-02	1.72E+00	1.67E-01	1.67E+00	1.48E+00	1.52E+01
648	490186.72	3860035.12	1.21788	0.92173	2.42736	1.80755	3.54034	1.21324	1.03358	0.92173	1.25E+01	4.15E-01	6.16E-05	9.36E-02	1.63E+00	1.68E-01	1.78E+00	1.53E+00	1.51E+01
649	490236.72	3860035.12	1.20859	0.94916	2.54579	1.8124	3.30468	1.24362	1.08644	0.94916	1.24E+01	4.27E-01	6.46E-05	9.38E-02	1.52E+00	1.72E-01	1.88E+00	1.57E+00	1.49E+01
650	490286.72	3860035.12	1.20199	0.96981	2.35499	1.81057	3.03753	1.27479	1.12383	0.96981	1.23E+01	4.36E-01	5.97E-05	9.37E-02	1.40E+00	1.76E-01	1.94E+00	1.61E+00	1.48E+01
651	490336.72	3860035.12	1.20008	0.99203	2.36006	1.82146	2.76099	1.31018	1.15381	0.99203	1.23E+01	4.46E-01	5.99E-05	9.43E-02	1.27E+00	1.81E-01	1.99E+00	1.64E+00	1.46E+01
652	490386.72	3860035.12	1.19974	1.02256	2.53451	1.81177	2.46412	1.34233	1.16268	1.02256	1.23E+01	4.60E-01	6.43E-05	9.38E-02	1.14E+00	1.86E-01	2.01E+00	1.69E+00	1.45E+01
653	490436.72	3860035.12	1.20358	1.12678	2.46499	1.80928	2.17363	1.37773	1.16181	1.12678	1.23E+01	5.07E-01	6.25E-05	9.37E-02	1.00E+00	1.90E-01	2.01E+00	1.87E+00	1.43E+01
654	490486.72	3860035.12	1.21104	1.24841	2.40152	1.81522	1.89527	1.41758	1.14935	1.24841	1.24E+01	5.62E-01	6.09E-05	9.40E-02	8.73E-01	1.96E-01	1.98E+00	2.07E+00	1.41E+01
655	490536.72	3860035.12	1.22197	1.3935	2.48322	1.92936	1.70924	1.46468	1.13033	1.3935	1.25E+01	6.27E-01	6.30E-05	9.99E-02	7.88E-01	2.02E-01	1.95E+00	2.31E+00	1.39E+01
656	490586.72	3860035.12	1.23414	1.55227	2.80921	2.02084	1.78651	1.51566	1.10325	1.55227	1.27E+01	6.99E-01	7.13E-05	1.05E-01	8.23E-01	2.10E-01	1.90E+00	2.57E+00	1.38E+01
657	490636.72	3860035.12	1.26049	1.70902	2.96725	2.05622	1.83407	1.5666	1.27272	1.70902	1.29E+01	7.69E-01	7.53E-05	1.06E-01	8.45E-01	2.17E-01	2.20E+00	2.83E+00	1.42E+01
658	490686.72	3860035.12	1.30237	1.8971	2.9866	2.06924	1.86216	1.63624	1.48056	1.8971	1.34E+01	8.54E-01	7.58E-05	1.07E-01	8.58E-01	2.26E-01	2.56E+00	3.14E+00	1.48E+01
659	490736.72	3860035.12	1.34763	2.12791	2.8988	2.11599	1.87158	1.72362	1.7386	2.12791	1.38E+01	9.58E-01	7.35E-05	1.10E-01	8.63E-01	2.38E-01	3.00E+00	3.53E+00	1.55E+01
660	490786.72	3860035.12	1.38715	2.29718	2.8052	2.17777	1.84155	1.79957	1.9479	2.29718	1.42E+01	1.03E+00	7.12E-05	1.13E-01	8.49E-01	2.49E-01	3.36E+00	3.81E+00	1.60E+01
661	490836.72	3860035.12	1.42505	2.45289	2.6806	2.22919	1.85065	1.8828	2.15021	2.45289	1.46E+01	1.10E+00	6.80E-05	1.15E-01	8.53E-01	2.60E-01	3.71E+00	4.06E+00	1.66E+01
662	490086.72	3860085.12	1.24312	0.83344	2.70061	1.7082	3.92472	1.33323	0.96307	0.83344	1.27E+01	3.75E-01	6.85E-05	8.84E-02	1.81E+00	1.84E-01	1.66E+00	1.38E+00	1.55E+01
663	490136.72	3860085.12	1.22653	0.83849	2.14409	1.72559	3.78843	1.25622	0.96131	0.83849	1.26E+01	3.77E-01	5.44E-05	8.93E-02	1.75E+00	1.74E-01	1.66E+00	1.39E+00	1.52E+01
664	490186.72	3860085.12	1.2152	0.86532	2.14578	1.76058	3.64188	1.23626	0.95063	0.86532	1.25E+01	3.89E-01	5.44E-05	9.11E-02	1.68E+00	1.71E-01	1.64E+00	1.43E+00	1.50E+01
665	490236.72	3860085.12	1.20389	0.88637	2.38869	1.77284	3.43861	1.21039	0.9915	0.88637	1.23E+01	3.99E-01	6.06E-05	9.18E-02	1.58E+00	1.67E-01	1.71E+00	1.47E+00	1.48E+01
666	490286.72	3860085.12	1.19451	0.90699	2.34092	1.77977	3.20101	1.18187	1.04113	0.90699	1.22E+01	4.08E-01	5.94E-05	9.21E-02	1.48E+00	1.63E-01	1.80E+00	1.50E+00	1.47E+01
667	490336.72	3860085.12	1.18699	0.91987	2.2152	1.78105	2.93543	1.18897	1.076	0.91987	1.22E+01	4.14E-01	5.62E-05	9.22E-02	1.35E+00	1.64E-01	1.86E+00	1.52E+00	1.45E+01
668	490386.72	3860085.12	1.18253	0.92789	2.18783	1.78361	2.65734	1.21645	1.09907	0.92789	1.21E+01	4.18E-01	5.55E-05	9.23E-02	1.22E+00	1.68E-01	1.90E+00	1.54E+00	1.44E+01
669	490436.72	3860085.12	1.18122	0.93029	2.35848	1.78211	2.37424	1.24549	1.1108	0.93029	1.21E+01	4.19E-01	5.98E-05	9.23E-02	1.09E+00	1.72E-01	1.92E+00	1.54E+00	1.43E+01
670	490486.72	3860085.12	1.18258	1.01701	2.30371	1.7714	2.09282	1.27497	1.10889	1.01701	1.21E+01	4.58E-01	5.84E-05	9.17E-02	9.64E-01	1.76E-01	1.91E+00	1.69E+00	1.40E+01
671	490536.72	3860085.12	1.18807	1.12379	2.21597	1.76877	1.82773	1.31062	1.10052	1.12379	1.22E+01	5.06E-01	5.62E-05	9.16E-02	8.42E-01	1.81E-01	1.90E+00	1.86E+00	1.38E+01
672	490586.72	3860085.12	1.19588	1.24386	2.27623	1.81839	1.66799	1.34917	1.07946	1.24386	1.23E+01	5.60E-01	5.77E-05	9.41E-02	7.69E-01	1.87E-01	1.86E+00	2.06E+00	1.37E+01
673	490636.72	3860085.12	1.20433	1.37049	2.58627	1.90465	1.74165	1.3879	1.04832	1.37049	1.23E+01	6.17E-01	6.56E-05	9.86E-02	8.03E-01	1.92E-01	1.81E+00	2.27E+00	1.36E+01
674	490686.72	3860085.12	1.22776	1.51599	2.80618	1.95712	1.79422	1.43532	1.11538	1.51599	1.26E+01	6.82E-01	7.12E-05	1.01E-01	8.27E-01	1.98E-01	1.93E+00	2.51E+00	1.38E+01
675	490736.72	3860085.12	1.26139	1.67788	2.89568	1.9763	1.82287	1.49095	1.30059	1.67788	1.29E+01	7.55E-01	7.35E-05	1.02E-01	8.40E-01	2.06E-01	2.25E+00	2.78E+00	1.43E+01
676	490786.72	3860085.12	1.29631	1.84658	2.83778	1.96463	1.82578	1.55173	1.49579	1.84658	1.33E+01	8.31E-01	7.20E-05	1.02E-01	8.41E-01	2.15E-01	2.58E+00	3.06E+00	1.48E+01
677	490836.72	3860085.12	1.3289	1.99555	2.61903	1.94969	1.79754	1.607	1.6683	1.99555	1.36E+01	8.98E-01	6.64E-05	1.01E-01	8.28E-01	2.22E-01	2.88E+00	3.31E+00	1.53E+01
678	490086.72	3860135.12	1.22604	0.76566	2.36883	1.59597	3.83636	1.27792	0.93738	0.76566	1.26E+01	3.45E-01	6.01E-05	8.26E-02	1.77E+00	1.77E-01	1.62E+00	1.27E+00	1.53E+01
679	490136.72	3860135.12	1.216	0.7858	2.33974	1.65761	3.79095	1.27277	0.94483	0.7858	1.25E+01	3.54E-01	5.94E-05	8.58E-02	1.75E+00	1.76E-01	1.63E+00	1.30E+00	1.52E+01
680	490186.72	3860135.12	1.20625	0.80811	1.78389	1.70674	3.68973	1.26025	0.94505	0.80811	1.24E+01	3.64E-01	4.53E-05	8.84E-02	1.70E+00	1.74E-01	1.63E+00	1.34E+00	1.50E+01

681	490236.72	3860135.12	1.19565	0.82543	1.94576	1.73132	3.5269	1.23868	0.94221	0.82543	1.23E+01	3.71E-01	4.94E-05	8.96E-02	1.63E+00	1.71E-01	1.63E+00	1.37E+00	1.48E+01
682	490286.72	3860135.12	1.18632	0.84575	2.26897	1.74832	3.32737	1.2126	0.94813	0.84575	1.22E+01	3.81E-01	5.76E-05	9.05E-02	1.53E+00	1.68E-01	1.64E+00	1.40E+00	1.46E+01
683	490336.72	3860135.12	1.17807	0.86361	2.12365	1.75526	3.09391	1.18201	0.99622	0.86361	1.21E+01	3.89E-01	5.39E-05	9.09E-02	1.43E+00	1.63E-01	1.72E+00	1.43E+00	1.44E+01
684	490386.72	3860135.12	1.171	0.87366	2.07295	1.75032	2.8345	1.1477	1.03047	0.87366	1.20E+01	3.93E-01	5.26E-05	9.06E-02	1.31E+00	1.59E-01	1.78E+00	1.45E+00	1.43E+01
685	490436.72	3860135.12	1.1657	0.87761	2.03924	1.73409	2.56083	1.13114	1.05157	0.87761	1.20E+01	3.95E-01	5.17E-05	8.98E-02	1.18E+00	1.56E-01	1.82E+00	1.45E+00	1.41E+01
686	490486.72	3860135.12	1.16342	0.88455	2.1954	1.71376	2.28719	1.15555	1.06336	0.88455	1.19E+01	3.98E-01	5.57E-05	8.87E-02	1.05E+00	1.60E-01	1.84E+00	1.47E+00	1.40E+01
687	490536.72	3860135.12	1.16456	0.91675	2.16969	1.69528	2.0217	1.18392	1.06712	0.91675	1.19E+01	4.13E-01	5.50E-05	8.78E-02	9.32E-01	1.64E-01	1.84E+00	1.52E+00	1.39E+01
688	490586.72	3860135.12	1.16763	1.00819	2.1037	1.67124	1.76349	1.21243	1.05632	1.00819	1.20E+01	4.54E-01	5.34E-05	8.65E-02	8.13E-01	1.68E-01	1.82E+00	1.67E+00	1.36E+01
689	490636.72	3860135.12	1.17266	1.11173	2.08937	1.71987	1.62766	1.24213	1.03562	1.11173	1.20E+01	5.00E-01	5.30E-05	8.90E-02	7.50E-01	1.72E-01	1.79E+00	1.84E+00	1.35E+01
690	490686.72	3860135.12	1.17891	1.22718	2.38471	1.80828	1.70022	1.27332	1.00822	1.22718	1.21E+01	5.52E-01	6.05E-05	9.36E-02	7.84E-01	1.76E-01	1.74E+00	2.03E+00	1.34E+01
691	490736.72	3860135.12	1.18626	1.35749	2.61534	1.86054	1.75147	1.30988	1.01573	1.35749	1.22E+01	6.11E-01	6.63E-05	9.63E-02	8.07E-01	1.81E-01	1.75E+00	2.25E+00	1.34E+01
692	490786.72	3860135.12	1.20934	1.50644	2.74987	1.88193	1.78069	1.35476	1.12137	1.50644	1.24E+01	6.78E-01	6.98E-05	9.74E-02	8.21E-01	1.87E-01	1.94E+00	2.50E+00	1.36E+01
693	490836.72	3860135.12	1.2337	1.64149	2.72632	1.85788	1.77955	1.39303	1.26914	1.64149	1.27E+01	7.39E-01	6.92E-05	9.62E-02	8.20E-01	1.93E-01	2.19E+00	2.72E+00	1.40E+01
694	490086.72	3860185.12	1.20547	0.72015	2.15343	1.51927	3.74392	1.24672	0.87417	0.72015	1.24E+01	3.24E-01	5.46E-05	7.86E-02	1.73E+00	1.72E-01	1.51E+00	1.19E+00	1.50E+01
695	490136.72	3860185.12	1.1986	0.74102	2.32618	1.5949	3.75518	1.25353	0.89685	0.74102	1.23E+01	3.33E-01	5.90E-05	8.26E-02	1.73E+00	1.73E-01	1.55E+00	1.23E+00	1.49E+01
696	490186.72	3860185.12	1.19109	0.76027	2.0096	1.6535	3.70111	1.25069	0.91167	0.76027	1.22E+01	3.42E-01	5.10E-05	8.56E-02	1.71E+00	1.73E-01	1.57E+00	1.26E+00	1.48E+01
697	490236.72	3860185.12	1.1826	0.7759	1.71026	1.68778	3.58448	1.23837	0.92064	0.7759	1.21E+01	3.49E-01	4.34E-05	8.74E-02	1.65E+00	1.71E-01	1.59E+00	1.29E+00	1.47E+01
698	490286.72	3860185.12	1.17438	0.79209	1.94078	1.7051	3.42094	1.21952	0.92491	0.79209	1.20E+01	3.56E-01	4.92E-05	8.83E-02	1.58E+00	1.69E-01	1.60E+00	1.31E+00	1.45E+01
699	490336.72	3860185.12	1.16651	0.81665	2.12556	1.70648	3.21899	1.19551	0.92659	0.81665	1.20E+01	3.68E-01	5.39E-05	8.83E-02	1.48E+00	1.65E-01	1.60E+00	1.35E+00	1.43E+01
700	490386.72	3860185.12	1.15941	0.84061	1.91572	1.69631	2.98712	1.16808	0.95331	0.84061	1.19E+01	3.78E-01	4.86E-05	8.78E-02	1.38E+00	1.61E-01	1.65E+00	1.39E+00	1.41E+01
701	490436.72	3860185.12	1.15336	0.86089	1.93447	1.67717	2.73531	1.13884	0.98768	0.86089	1.18E+01	3.87E-01	4.91E-05	8.68E-02	1.26E+00	1.57E-01	1.71E+00	1.43E+00	1.40E+01
702	490486.72	3860185.12	1.14882	0.87656	1.91149	1.65015	2.47156	1.10904	1.01004	0.87656	1.18E+01	3.94E-01	4.85E-05	8.54E-02	1.14E+00	1.53E-01	1.74E+00	1.45E+00	1.38E+01
703	490536.72	3860185.12	1.14655	0.88481	2.05934	1.62393	2.20863	1.08208	1.02306	0.88481	1.18E+01	3.98E-01	5.22E-05	8.41E-02	1.02E+00	1.50E-01	1.77E+00	1.47E+00	1.37E+01
704	490586.72	3860185.12	1.14706	0.88768	2.04069	1.6042	1.95252	1.10378	1.02827	0.88768	1.18E+01	3.99E-01	5.18E-05	8.30E-02	9.00E-01	1.53E-01	1.78E+00	1.47E+00	1.36E+01
705	490636.72	3860185.12	1.14826	0.91892	2.00214	1.57717	1.70026	1.12636	1.01726	0.91892	1.18E+01	4.14E-01	5.08E-05	8.16E-02	7.84E-01	1.56E-01	1.76E+00	1.52E+00	1.34E+01
706	490686.72	3860185.12	1.15206	1.01472	1.93054	1.63729	1.59021	1.15342	1.0001	1.01472	1.18E+01	4.57E-01	4.90E-05	8.48E-02	7.33E-01	1.59E-01	1.73E+00	1.68E+00	1.33E+01
707	490736.72	3860185.12	1.15601	1.11421	2.19737	1.72157	1.65986	1.17748	0.9707	1.11421	1.19E+01	5.01E-01	5.57E-05	8.91E-02	7.65E-01	1.63E-01	1.68E+00	1.85E+00	1.32E+01
708	490786.72	3860185.12	1.16166	1.22887	2.43195	1.77491	1.71088	1.20845	0.99847	1.22887	1.19E+01	5.53E-01	6.17E-05	9.19E-02	7.88E-01	1.67E-01	1.72E+00	2.04E+00	1.32E+01
709	490836.72	3860185.12	1.16688	1.34934	2.57893	1.78954	1.73704	1.24063	1.05463	1.34934	1.20E+01	6.07E-01	6.54E-05	9.26E-02	8.00E-01	1.72E-01	1.82E+00	2.24E+00	1.32E+01
710	490086.72	3860235.12	1.1831	0.68431	2.0098	1.45378	3.62855	1.19041	0.85117	0.68431	1.21E+01	3.08E-01	5.10E-05	7.53E-02	1.67E+00	1.65E-01	1.47E+00	1.13E+00	1.47E+01
711	490136.72	3860235.12	1.17688	0.70002	2.1431	1.52474	3.679	1.20744	0.83984	0.70002	1.21E+01	3.15E-01	5.44E-05	7.89E-02	1.70E+00	1.67E-01	1.45E+00	1.16E+00	1.46E+01
712	490186.72	3860235.12	1.1709	0.7166	2.12759	1.58527	3.67264	1.21693	0.84518	0.7166	1.20E+01	3.23E-01	5.40E-05	8.21E-02	1.69E+00	1.68E-01	1.46E+00	1.19E+00	1.45E+01
713	490236.72	3860235.12	1.16438	0.73091	1.64873	1.62495	3.60435	1.21798	0.86759	0.73091	1.19E+01	3.29E-01	4.18E-05	8.41E-02	1.66E+00	1.68E-01	1.50E+00	1.21E+00	1.45E+01
714	490286.72	3860235.12	1.15777	0.74426	1.60667	1.64455	3.48297	1.21197	0.88445	0.74426	1.19E+01	3.35E-01	4.08E-05	8.51E-02	1.61E+00	1.68E-01	1.53E+00	1.23E+00	1.44E+01
715	490336.72	3860235.12	1.15146	0.76404	1.90593	1.64826	3.3189	1.20039	0.89697	0.76404	1.18E+01	3.44E-01	4.83E-05	8.53E-02	1.53E+00	1.66E-01	1.55E+00	1.27E+00	1.42E+01
716	490386.72	3860235.12	1.14536	0.79775	1.98289	1.63871	3.1182	1.18385	0.90707	0.79775	1.17E+01	3.59E-01	5.03E-05	8.48E-02	1.44E+00	1.64E-01	1.57E+00	1.32E+00	1.40E+01
717	490436.72	3860235.12	1.13997	0.82762	1.74096	1.62268	2.89164	1.16417	0.91691	0.82762	1.17E+01	3.72E-01	4.42E-05	8.40E-02	1.33E+00	1.61E-01	1.58E+00	1.37E+00	1.39E+01
718	490486.72	3860235.12	1.13489	0.85352	1.81403	1.5981	2.64383	1.14091	0.94979	0.85352	1.16E+01	3.84E-01	4.60E-05	8.27E-02	1.22E+00	1.58E-01	1.64E+00	1.41E+00	1.37E+01
719	490536.72	3860235.12	1.13143	0.87328	1.80257	1.57577	2.38983	1.11759	0.97373	0.87328	1.16E+01	3.93E-01	4.57E-05	8.16E-02	1.10E+00	1.55E-01	1.68E+00	1.45E+00	1.36E+01
720	490586.72	3860235.12	1.1296	0.88478	1.93944	1.5548	2.13516	1.09475	0.9885	0.88478	1.16E+01	3.98E-01	4.92E-05	8.05E-02	9.84E-01	1.51E-01	1.71E+00	1.47E+00	1.34E+01
721	490636.72	3860235.12	1.12904	0.88983	1.91413	1.53433	1.88365	1.07275	0.99201	0.88983	1.16E+01	4.00E-01	4.86E-05	7.94E-02	8.68E-01	1.48E-01	1.71E+00	1.47E+00	1.33E+01
722	490686.72	3860235.12	1.13019	0.89208	1.9103	1.52013	1.64273	1.05562	0.98463	0.89208	1.16E+01	4.01E-01	4.85E-05	7.87E-02	7.57E-01	1.46E-01	1.70E+00	1.48E+00	1.32E+01
723	490736.72	3860235.12	1.13239	0.92933	1.81075	1.56126	1.55309	1.07811	0.96585	0.92933	1.16E+01	4.18E-01	4.59E-05	8.08E-02	7.16E-01	1.49E-01	1.67E+00	1.54E+00	1.31E+01
724	490786.72	3860235.12	1.1355	1.02241	2.03292	1.64591	1.62277	1.10115	0.94064	1.02241	1.16E+01	4.60E-01	5.16E-05	8.52E-02	7.48E-01	1.52E-01	1.62E+00	1.69E+00	1.30E+01
725	490086.72	3860285.12	1.16162	0.64997	1.84146	1.38066	3.5078	1.11992	0.83005	0.64997	1.19E+01	2.93E-01	4.67E-05	7.15E-02	1.62E+00	1.55E-01	1.43E+00	1.08E+00	1.44E+01
726	490136.72	3860285.12	1.15567	0.6636	1.98524	1.4469	3.57259	1.14755	0.81906	0.6636	1.19E+01	2.99E-01	5.04E-05	7.49E-02	1.65E+00	1.59E-01	1.41E+00	1.10E+00	1.43E+01
727	490186.72	3860285.12	1.14952	0.67571	2.08862	1.50201	3.60681	1.16844	0.80546	0.67571	1.18E+01	3.04E-01	5.30E-05	7.78E-02	1.66E+00	1.62E-01	1.39E+00	1.12E+00	1.43E+01
728	490236.72	3860285.12	1.14411	0.68936	1.85275	1.54794	3.58946	1.1835	0.79467	0.68936	1.17E+01	3.10E-01	4.70E-05	8.01E-02	1.65E+00	1.64E-01	1.37E+00	1.14E+00	1.42E+01
729	490286.72	3860285.12	1.13811	0.69906	1.38188	1.57191	3.50993	1.19052	0.81147	0.69906	1.17E+01	3.15E-01	3.51E-05	8.14E-02	1.62E+00	1.65E-01	1.40E+00	1.16E+00	1.41E+01
730	490336.72	3860285.12	1.13261	0.70915	1.54985	1.58195	3.38401	1.19127	0.83573	0.70915	1.16E+01	3.19E-01	3.93E-05	8.19E-02	1.56E+00	1.65E-01	1.44E+00	1.18E+00	1.40E+01
731	490386.72	3860285.12	1.12797	0.72605	1.84532	1.58378	3.22176	1.18707	0.85666	0.72605	1.16E+01	3.27E-01	4.68E-05	8.20E-02	1.48E+00	1.64E-01	1.48E+00	1.20E+00	1.39E+01
732	490436.72	3860285.12	1.12321	0.76719	1.84123	1.57326	3.02189	1.17678	0.87553	0.76719	1.15E+01	3.45E-01	4.67E-05	8.14E-02	1.39E+00	1.63E-01	1.51E+00	1.27E+00	1.37E+01
733	490486.72	3860285.12	1.11909	0.80455	1.60067	1.55882	2.79852	1.16228	0.89243	0.80455	1.15E+01	3.62E-01	4.06E-05	8.07E-02	1.29E+00	1.61E-01	1.54E+00	1.33E+00	1.36E+01
734	490536.72	3860285.12	1.11517	0.83796	1.7028	1.53751	2.55608	1.14331	0.91505	0.83796	1.14E+01	3.77E-01	4.32E-05	7.96E-02	1.18E+00	1.58E-01	1.58E+00	1.39E+00	1.34E+01
735	490586.72	3860285.12	1.11234	0.86301	1.69558	1.51611	2.30757	1.12254	0.93893	0.86301	1.14E+01	3.88E-01	4.30E-05	7.85E-02	1.06E+00	1.55E-01	1.62E+00	1.43E+00	1.33E+01
736	490636.72	3860285.12	1.11086	0.87959	1.81946	1.49654	2.06008	1.10135	0.95361	0.87959	1.14E+01	3.96E-01	4.62E-05	7.75E-02	9.49E-01	1.52E-01	1.65E+00	1.46E+00	1.32E+01
737	490686.72	3860285.12	1.11089	0.88963	1.79959	1.48072	1.81841	1.08072	0.95862	0.88963	1.14E+01	4.00E-01	4.57E-05	7.67E-02	8.38E-01	1.49E-01	1.66E+00	1.47E+00	1.30E+01

738	490736.72	3860285.12	1.1116	0.89545	1.81375	1.46508	1.5852	1.05995	0.95185	0.89545	1.14E+01	4.03E-01	4.60E-05	7.58E-02	7.31E-01	1.47E-01	1.64E+00	1.48E+00	1.29E+01
739	490786.72	3860285.12	1.11369	0.89977	1.70429	1.49369	1.51814	1.04212	0.93826	0.89977	1.14E+01	4.05E-01	4.32E-05	7.73E-02	7.00E-01	1.44E-01	1.62E+00	1.49E+00	1.29E+01
740	490086.72	3860335.12	1.1437	0.61685	1.67758	1.30188	3.71539	1.04555	0.8088	0.61685	1.17E+01	2.78E-01	4.26E-05	6.74E-02	1.71E+00	1.45E-01	1.40E+00	1.02E+00	1.43E+01
741	490136.72	3860335.12	1.13755	0.62882	1.89326	1.36305	3.43586	1.08056	0.80009	0.62882	1.17E+01	2.83E-01	4.80E-05	7.06E-02	1.58E+00	1.49E-01	1.38E+00	1.04E+00	1.41E+01
742	490186.72	3860335.12	1.13085	0.63836	1.93817	1.41588	3.51139	1.11029	0.78706	0.63836	1.16E+01	2.87E-01	4.92E-05	7.33E-02	1.62E+00	1.54E-01	1.36E+00	1.06E+00	1.40E+01
743	490236.72	3860335.12	1.12512	0.65023	1.93171	1.46586	3.53918	1.13567	0.77621	0.65023	1.15E+01	2.93E-01	4.90E-05	7.59E-02	1.63E+00	1.57E-01	1.34E+00	1.08E+00	1.40E+01
744	490286.72	3860335.12	1.11891	0.6589	1.55694	1.49881	3.50405	1.15377	0.7631	0.6589	1.15E+01	2.97E-01	3.95E-05	7.76E-02	1.61E+00	1.60E-01	1.32E+00	1.09E+00	1.38E+01
745	490336.72	3860335.12	1.11328	0.668	1.33124	1.51917	3.41837	1.16547	0.7522	0.668	1.14E+01	3.01E-01	3.38E-05	7.86E-02	1.58E+00	1.61E-01	1.30E+00	1.11E+00	1.37E+01
746	490386.72	3860335.12	1.10855	0.67893	1.56473	1.52976	3.29098	1.17124	0.77459	0.67893	1.14E+01	3.06E-01	3.97E-05	7.92E-02	1.52E+00	1.62E-01	1.34E+00	1.12E+00	1.36E+01
747	490436.72	3860335.12	1.10436	0.6899	1.76277	1.53013	3.12536	1.1708	0.80298	0.6899	1.13E+01	3.10E-01	4.47E-05	7.92E-02	1.44E+00	1.62E-01	1.39E+00	1.14E+00	1.36E+01
748	490486.72	3860335.12	1.10055	0.7236	1.70168	1.52146	2.92771	1.16427	0.83024	0.7236	1.13E+01	3.26E-01	4.32E-05	7.88E-02	1.35E+00	1.61E-01	1.43E+00	1.20E+00	1.34E+01
749	490536.72	3860335.12	1.0977	0.76879	1.52941	1.51039	2.70997	1.15355	0.85557	0.76879	1.13E+01	3.46E-01	3.88E-05	7.82E-02	1.25E+00	1.59E-01	1.48E+00	1.27E+00	1.33E+01
750	490586.72	3860335.12	1.09473	0.80931	1.60207	1.48898	2.47298	1.13686	0.88406	0.80931	1.12E+01	3.64E-01	4.06E-05	7.71E-02	1.14E+00	1.57E-01	1.53E+00	1.34E+00	1.31E+01
751	490636.72	3860335.12	1.0929	0.84187	1.60423	1.46801	2.23207	1.11771	0.90842	0.84187	1.12E+01	3.79E-01	4.07E-05	7.60E-02	1.03E+00	1.55E-01	1.57E+00	1.39E+00	1.30E+01
752	490686.72	3860335.12	1.09203	0.8664	1.71768	1.44623	1.99153	1.09616	0.92321	0.8664	1.12E+01	3.90E-01	4.36E-05	7.49E-02	9.18E-01	1.52E-01	1.59E+00	1.44E+00	1.29E+01
753	490736.72	3860335.12	1.09211	0.88355	1.69535	1.42542	1.75637	1.07302	0.92871	0.88355	1.12E+01	3.98E-01	4.30E-05	7.38E-02	8.09E-01	1.48E-01	1.60E+00	1.46E+00	1.28E+01
754	490786.72	3860335.12	1.09383	0.89705	1.73289	1.41516	1.53444	1.05156	0.92857	0.89705	1.12E+01	4.04E-01	4.40E-05	7.33E-02	7.07E-01	1.45E-01	1.60E+00	1.49E+00	1.27E+01
755	490086.72	3860385.12	1.12953	0.6744	1.53566	1.22588	3.91156	1.06507	0.78914	0.6744	1.16E+01	3.04E-01	3.90E-05	6.35E-02	1.80E+00	1.47E-01	1.36E+00	1.12E+00	1.41E+01
756	490136.72	3860385.12	1.12335	0.65698	1.78377	1.28268	3.53049	1.03387	0.78307	0.65698	1.15E+01	2.96E-01	4.53E-05	6.64E-02	1.63E+00	1.43E-01	1.35E+00	1.09E+00	1.39E+01
757	490186.72	3860385.12	1.11582	0.64575	1.84458	1.33234	3.38477	1.044	0.77053	0.64575	1.14E+01	2.91E-01	4.68E-05	6.90E-02	1.56E+00	1.44E-01	1.33E+00	1.07E+00	1.38E+01
758	490236.72	3860385.12	1.10914	0.63453	1.88617	1.3838	3.45095	1.07514	0.75904	0.63453	1.14E+01	2.86E-01	4.78E-05	7.16E-02	1.59E+00	1.49E-01	1.31E+00	1.05E+00	1.37E+01
759	490286.72	3860385.12	1.10229	0.62744	1.69808	1.42551	3.4605	1.10091	0.74592	0.62744	1.13E+01	2.82E-01	4.31E-05	7.38E-02	1.59E+00	1.52E-01	1.29E+00	1.04E+00	1.37E+01
760	490336.72	3860385.12	1.09604	0.63315	1.38388	1.4576	3.41888	1.12112	0.73444	0.63315	1.12E+01	2.85E-01	3.51E-05	7.55E-02	1.58E+00	1.55E-01	1.27E+00	1.05E+00	1.35E+01
761	490386.72	3860385.12	1.09043	0.64356	1.26339	1.47734	3.32948	1.13507	0.72469	0.64356	1.12E+01	2.90E-01	3.20E-05	7.65E-02	1.53E+00	1.57E-01	1.25E+00	1.07E+00	1.34E+01
762	490436.72	3860385.12	1.08571	0.6549	1.54976	1.48631	3.19885	1.14291	0.71818	0.6549	1.11E+01	2.95E-01	3.93E-05	7.69E-02	1.47E+00	1.58E-01	1.24E+00	1.09E+00	1.33E+01
763	490486.72	3860385.12	1.08203	0.66677	1.67495	1.48709	3.03514	1.1451	0.73665	0.66677	1.11E+01	3.00E-01	4.25E-05	7.70E-02	1.40E+00	1.58E-01	1.27E+00	1.10E+00	1.32E+01
764	490536.72	3860385.12	1.07886	0.67635	1.57564	1.47797	2.84055	1.14079	0.78103	0.67635	1.11E+01	3.04E-01	4.00E-05	7.65E-02	1.31E+00	1.58E-01	1.35E+00	1.12E+00	1.31E+01
765	490586.72	3860385.12	1.0763	0.71752	1.45918	1.4617	2.62458	1.13083	0.82266	0.71752	1.10E+01	3.23E-01	3.70E-05	7.57E-02	1.21E+00	1.56E-01	1.42E+00	1.19E+00	1.30E+01
766	490636.72	3860385.12	1.07413	0.76561	1.5106	1.43797	2.39395	1.11532	0.85517	0.76561	1.10E+01	3.45E-01	3.83E-05	7.44E-02	1.10E+00	1.54E-01	1.48E+00	1.27E+00	1.29E+01
767	490686.72	3860385.12	1.07321	0.80705	1.52273	1.41483	2.1608	1.09703	0.88069	0.80705	1.10E+01	3.63E-01	3.86E-05	7.32E-02	9.96E-01	1.52E-01	1.52E+00	1.34E+00	1.28E+01
768	490736.72	3860385.12	1.07249	0.83983	1.62313	1.38435	1.92509	1.07417	0.89571	0.83983	1.10E+01	3.78E-01	4.12E-05	7.17E-02	8.87E-01	1.49E-01	1.55E+00	1.39E+00	1.26E+01
769	490786.72	3860385.12	1.07293	0.86568	1.60604	1.35668	1.69727	1.05052	0.90316	0.86568	1.10E+01	3.90E-01	4.07E-05	7.02E-02	7.82E-01	1.45E-01	1.56E+00	1.43E+00	1.25E+01
770	490136.72	3860435.12	1.11064	0.74664	1.66159	1.20577	3.71843	1.05922	0.76428	0.74664	1.14E+01	3.36E-01	4.22E-05	6.24E-02	1.71E+00	1.46E-01	1.32E+00	1.24E+00	1.37E+01
771	490186.72	3860435.12	1.10411	0.72649	1.79436	1.25896	3.34289	1.0326	0.75622	0.72649	1.13E+01	3.27E-01	4.55E-05	6.52E-02	1.54E+00	1.43E-01	1.31E+00	1.20E+00	1.35E+01
772	490236.72	3860435.12	1.09694	0.70888	1.75756	1.3097	3.33691	1.0061	0.74495	0.70888	1.12E+01	3.19E-01	4.46E-05	6.78E-02	1.54E+00	1.39E-01	1.29E+00	1.17E+00	1.34E+01
773	490286.72	3860435.12	1.08952	0.6939	1.74472	1.35575	3.38648	1.0353	0.73275	0.6939	1.12E+01	3.12E-01	4.43E-05	7.02E-02	1.56E+00	1.43E-01	1.27E+00	1.15E+00	1.34E+01
774	490336.72	3860435.12	1.08203	0.68283	1.47705	1.39229	3.3825	1.05981	0.71965	0.68283	1.11E+01	3.07E-01	3.75E-05	7.21E-02	1.56E+00	1.47E-01	1.24E+00	1.13E+00	1.33E+01
775	490386.72	3860435.12	1.07554	0.67165	1.24778	1.42116	3.33524	1.08011	0.70968	0.67165	1.10E+01	3.02E-01	3.17E-05	7.36E-02	1.54E+00	1.49E-01	1.23E+00	1.11E+00	1.32E+01
776	490436.72	3860435.12	1.06972	0.66206	1.26833	1.43754	3.24207	1.09476	0.70226	0.66206	1.10E+01	2.98E-01	3.22E-05	7.44E-02	1.49E+00	1.51E-01	1.21E+00	1.10E+00	1.31E+01
777	490486.72	3860435.12	1.0648	0.65458	1.51561	1.44216	3.10993	1.10357	0.698	0.65458	1.09E+01	2.95E-01	3.84E-05	7.47E-02	1.43E+00	1.53E-01	1.21E+00	1.08E+00	1.30E+01
778	490536.72	3860435.12	1.06097	0.64798	1.58009	1.43782	2.9459	1.10705	0.70785	0.64798	1.09E+01	2.92E-01	4.01E-05	7.44E-02	1.36E+00	1.53E-01	1.22E+00	1.07E+00	1.29E+01
779	490586.72	3860435.12	1.05765	0.65705	1.45184	1.42166	2.75234	1.10403	0.75437	0.65705	1.08E+01	2.96E-01	3.68E-05	7.36E-02	1.27E+00	1.53E-01	1.30E+00	1.09E+00	1.28E+01
780	490636.72	3860435.12	1.05505	0.66948	1.38684	1.3968	2.53914	1.09528	0.7943	0.66948	1.08E+01	3.01E-01	3.52E-05	7.23E-02	1.17E+00	1.51E-01	1.37E+00	1.11E+00	1.28E+01
781	490686.72	3860435.12	1.05361	0.70657	1.42423	1.36792	2.31656	1.08291	0.82816	0.70657	1.08E+01	3.18E-01	3.61E-05	7.08E-02	1.07E+00	1.50E-01	1.43E+00	1.17E+00	1.27E+01
782	490736.72	3860435.12	1.05324	0.75599	1.44541	1.33546	2.09072	1.06768	0.85538	0.75599	1.08E+01	3.40E-01	3.67E-05	6.91E-02	9.63E-01	1.48E-01	1.48E+00	1.25E+00	1.25E+01
783	490786.72	3860435.12	1.05296	0.79967	1.53863	1.2922	1.86246	1.04785	0.87188	0.79967	1.08E+01	3.60E-01	3.90E-05	6.69E-02	8.58E-01	1.45E-01	1.51E+00	1.33E+00	1.24E+01
784	490136.72	3860485.12	1.09928	0.85053	1.55776	1.14359	3.90579	1.06448	0.85071	0.85053	1.13E+01	3.83E-01	3.95E-05	5.92E-02	1.80E+00	1.47E-01	1.47E+00	1.41E+00	1.37E+01
785	490186.72	3860485.12	1.09323	0.83127	1.72276	1.19197	3.53802	1.05077	0.83079	0.83127	1.12E+01	3.74E-01	4.37E-05	6.17E-02	1.63E+00	1.45E-01	1.43E+00	1.38E+00	1.35E+01
786	490236.72	3860485.12	1.08626	0.81288	1.74065	1.23923	3.19675	1.02847	0.81188	0.81288	1.11E+01	3.66E-01	4.42E-05	6.42E-02	1.47E+00	1.42E-01	1.40E+00	1.35E+00	1.32E+01
787	490286.72	3860485.12	1.0794	0.79157	1.70613	1.2875	3.28523	0.99886	0.79013	0.79157	1.11E+01	3.56E-01	4.33E-05	6.66E-02	1.51E+00	1.38E-01	1.36E+00	1.31E+00	1.32E+01
788	490336.72	3860485.12	1.07168	0.77426	1.5571	1.32691	3.32027	0.98879	0.77218	0.77426	1.10E+01	3.48E-01	3.95E-05	6.87E-02	1.53E+00	1.37E-01	1.33E+00	1.28E+00	1.31E+01
789	490386.72	3860485.12	1.06456	0.75445	1.38048	1.36044	3.31267	1.01297	0.7531	0.75445	1.09E+01	3.40E-01	3.50E-05	7.04E-02	1.53E+00	1.40E-01	1.30E+00	1.25E+00	1.30E+01
790	490436.72	3860485.12	1.0583	0.73427	1.11089	1.38549	3.2633	1.03397	0.73376	0.73427	1.09E+01	3.30E-01	2.82E-05	7.17E-02	1.50E+00	1.43E-01	1.27E+00	1.22E+00	1.30E+01
791	490486.72	3860485.12	1.05174	0.72079	1.28812	1.39174	3.1626	1.04853	0.72073	0.72079	1.08E+01	3.24E-01	3.27E-05	7.20E-02	1.46E+00	1.45E-01	1.24E+00	1.19E+00	1.28E+01
792	490536.72	3860485.12	1.04598	0.70826	1.46904	1.3847	3.02454	1.05797	0.70925	0.70826	1.07E+01	3.19E-01	3.73E-05	7.17E-02	1.39E+00	1.46E-01	1.22E+00	1.17E+00	1.27E+01
793	490586.72	3860485.12	1.04129	0.69474	1.48101	1.36662	2.85681	1.06236	0.69343	0.69474	1.07E+01	3.13E-01	3.76E-05	7.07E-02	1.32E+00	1.47E-01	1.20E+00	1.15E+00	1.26E+01
794	490636.72	3860485.12	1.03807	0.6854	1.33926	1.34111	2.66856	1.06297	0.73012	0.6854	1.06E+01	3.08E-01	3.40E-05	6.94E-02	1.23E+00	1.47E-01	1.26E+00	1.14E+00	1.25E+01

795	490686.72	3860485.12	1.03522	0.67603	1.32061	1.30106	2.45863	1.0574	0.76961	0.67603	1.06E+01	3.04E-01	3.35E-05	6.74E-02	1.13E+00	1.46E-01	1.33E+00	1.12E+00	1.25E+01
796	490736.72	3860485.12	1.03389	0.68689	1.3449	1.25571	2.24228	1.04904	0.80417	0.68689	1.06E+01	3.09E-01	3.41E-05	6.50E-02	1.03E+00	1.45E-01	1.39E+00	1.14E+00	1.24E+01
797	490786.72	3860485.12	1.03329	0.71136	1.37064	1.20073	2.02105	1.03661	0.83067	0.71136	1.06E+01	3.20E-01	3.48E-05	6.22E-02	9.31E-01	1.43E-01	1.43E+00	1.18E+00	1.23E+01
798	490136.72	3860535.12	1.08632	0.94803	1.45834	1.08445	4.07145	1.04802	0.94868	0.94803	1.11E+01	4.27E-01	3.70E-05	5.61E-02	1.88E+00	1.45E-01	1.64E+00	1.57E+00	1.37E+01
799	490186.72	3860535.12	1.0826	0.93171	1.65406	1.13489	3.73563	1.04833	0.93119	0.93171	1.11E+01	4.19E-01	4.20E-05	5.87E-02	1.72E+00	1.45E-01	1.61E+00	1.54E+00	1.35E+01
800	490236.72	3860535.12	1.07574	0.92253	1.71563	1.17321	3.35851	1.03839	0.92194	0.92253	1.10E+01	4.15E-01	4.35E-05	6.07E-02	1.55E+00	1.44E-01	1.59E+00	1.53E+00	1.33E+01
801	490286.72	3860535.12	1.06927	0.90722	1.6454	1.21523	3.15543	1.02099	0.90601	0.90722	1.10E+01	4.08E-01	4.17E-05	6.29E-02	1.45E+00	1.41E-01	1.56E+00	1.50E+00	1.31E+01
802	490336.72	3860535.12	1.06273	0.88751	1.58831	1.25606	3.23083	0.99627	0.88656	0.88751	1.09E+01	3.99E-01	4.03E-05	6.50E-02	1.49E+00	1.38E-01	1.53E+00	1.47E+00	1.30E+01
803	490386.72	3860535.12	1.0562	0.86422	1.44719	1.29197	3.26443	0.96495	0.86393	0.86422	1.08E+01	3.89E-01	3.67E-05	6.69E-02	1.50E+00	1.33E-01	1.49E+00	1.43E+00	1.30E+01
804	490436.72	3860535.12	1.04941	0.84131	1.2665	1.31666	3.25092	0.96501	0.84158	0.84131	1.08E+01	3.79E-01	3.21E-05	6.82E-02	1.50E+00	1.33E-01	1.45E+00	1.39E+00	1.29E+01
805	490486.72	3860535.12	1.04254	0.8204	1.03617	1.32672	3.19058	0.9854	0.82086	0.8204	1.07E+01	3.69E-01	2.63E-05	6.87E-02	1.47E+00	1.36E-01	1.42E+00	1.36E+00	1.28E+01
806	490536.72	3860535.12	1.03782	0.79107	1.31144	1.33202	3.10447	1.00507	0.79258	0.79107	1.06E+01	3.56E-01	3.33E-05	6.90E-02	1.43E+00	1.39E-01	1.37E+00	1.31E+00	1.27E+01
807	490586.72	3860535.12	1.02936	0.78452	1.41673	1.29622	2.94457	1.0121	0.78391	0.78452	1.06E+01	3.53E-01	3.59E-05	6.71E-02	1.36E+00	1.40E-01	1.35E+00	1.30E+00	1.25E+01
808	490636.72	3860535.12	1.02407	0.76569	1.39099	1.26038	2.77617	1.01874	0.76464	0.76569	1.05E+01	3.45E-01	3.53E-05	6.52E-02	1.28E+00	1.41E-01	1.32E+00	1.27E+00	1.24E+01
809	490686.72	3860535.12	1.02022	0.74821	1.2367	1.21513	2.58858	1.02182	0.748	0.74821	1.05E+01	3.37E-01	3.14E-05	6.29E-02	1.19E+00	1.41E-01	1.29E+00	1.24E+00	1.22E+01
810	490736.72	3860535.12	1.01704	0.73359	1.2598	1.15708	2.38282	1.01947	0.74791	0.73359	1.04E+01	3.30E-01	3.20E-05	5.99E-02	1.10E+00	1.41E-01	1.29E+00	1.22E+00	1.21E+01
811	490786.72	3860535.12	1.01546	0.72495	1.27291	1.09483	2.17162	1.01428	0.78226	0.72495	1.04E+01	3.26E-01	3.23E-05	5.67E-02	1.00E+00	1.40E-01	1.35E+00	1.20E+00	1.21E+01
812	490136.72	3860585.12	1.07257	1.00047	1.37798	1.03204	4.23474	1.01247	1.00224	1.00047	1.10E+01	4.50E-01	3.50E-05	5.34E-02	1.95E+00	1.40E-01	1.73E+00	1.66E+00	1.37E+01
813	490186.72	3860585.12	1.06566	1.01269	1.53709	1.05636	3.86255	1.02052	1.01343	1.01269	1.09E+01	4.56E-01	3.90E-05	5.47E-02	1.78E+00	1.41E-01	1.75E+00	1.68E+00	1.34E+01
814	490236.72	3860585.12	1.0623	1.01	1.65864	1.09978	3.5295	1.0254	1.01068	1.01	1.09E+01	4.55E-01	4.21E-05	5.69E-02	1.63E+00	1.42E-01	1.74E+00	1.67E+00	1.32E+01
815	490286.72	3860585.12	1.05817	1.00354	1.65991	1.14064	3.18454	1.02205	1.00442	1.00354	1.09E+01	4.52E-01	4.21E-05	5.90E-02	1.47E+00	1.41E-01	1.73E+00	1.66E+00	1.30E+01
816	490336.72	3860585.12	1.05285	0.9949	1.55049	1.17537	3.11542	1.01013	0.99583	0.9949	1.08E+01	4.48E-01	3.93E-05	6.08E-02	1.44E+00	1.40E-01	1.72E+00	1.65E+00	1.30E+01
817	490386.72	3860585.12	1.04677	0.98331	1.43866	1.20354	3.1776	0.99037	0.98438	0.98331	1.07E+01	4.43E-01	3.65E-05	6.23E-02	1.46E+00	1.37E-01	1.70E+00	1.63E+00	1.29E+01
818	490436.72	3860585.12	1.0423	0.95865	1.37271	1.23359	3.21663	0.96539	0.9599	0.95865	1.07E+01	4.31E-01	3.48E-05	6.39E-02	1.48E+00	1.33E-01	1.66E+00	1.59E+00	1.29E+01
819	490486.72	3860585.12	1.03729	0.93104	1.15551	1.24944	3.20798	0.93358	0.93233	0.93104	1.06E+01	4.19E-01	2.93E-05	6.47E-02	1.48E+00	1.29E-01	1.61E+00	1.54E+00	1.28E+01
820	490536.72	3860585.12	1.02961	0.91597	1.08423	1.23805	3.13322	0.94061	0.91696	0.91597	1.06E+01	4.12E-01	2.75E-05	6.41E-02	1.44E+00	1.30E-01	1.58E+00	1.52E+00	1.27E+01
821	490586.72	3860585.12	1.01956	0.91038	1.26432	1.19665	2.99743	0.95117	0.90966	0.91038	1.05E+01	4.10E-01	3.21E-05	6.19E-02	1.38E+00	1.32E-01	1.57E+00	1.51E+00	1.25E+01
822	490636.72	3860585.12	1.01354	0.88651	1.35122	1.16075	2.86067	0.96473	0.88811	0.88651	1.04E+01	3.99E-01	3.43E-05	6.01E-02	1.32E+00	1.33E-01	1.53E+00	1.47E+00	1.24E+01
823	490686.72	3860585.12	1.00816	0.86417	1.30111	1.1129	2.69531	0.97395	0.86535	0.86417	1.03E+01	3.89E-01	3.30E-05	5.76E-02	1.24E+00	1.35E-01	1.49E+00	1.43E+00	1.22E+01
824	490736.72	3860585.12	1.00378	0.84182	1.14122	1.05757	2.51007	0.97912	0.84284	0.84182	1.03E+01	3.79E-01	2.90E-05	5.47E-02	1.16E+00	1.35E-01	1.46E+00	1.39E+00	1.21E+01
825	490786.72	3860585.12	1.00014	0.81992	1.20071	0.99689	2.30852	0.97937	0.82192	0.81992	1.03E+01	3.69E-01	3.05E-05	5.16E-02	1.06E+00	1.35E-01	1.42E+00	1.36E+00	1.19E+01
826	490136.72	3860635.12	1.05788	0.97953	1.31192	0.97996	4.39522	0.96029	0.98357	0.97953	1.08E+01	4.41E-01	3.33E-05	5.07E-02	2.03E+00	1.33E-01	1.70E+00	1.62E+00	1.36E+01
827	490186.72	3860635.12	1.05252	1.01131	1.48054	1.00324	4.05464	0.97999	1.01501	1.01131	1.08E+01	4.55E-01	3.76E-05	5.19E-02	1.87E+00	1.35E-01	1.75E+00	1.68E+00	1.34E+01
828	490236.72	3860635.12	1.04744	1.03202	1.59934	1.02539	3.69897	0.99289	1.03538	1.03202	1.07E+01	4.64E-01	4.06E-05	5.31E-02	1.70E+00	1.37E-01	1.79E+00	1.71E+00	1.32E+01
829	490286.72	3860635.12	1.04392	1.04865	1.64066	1.05378	3.35699	1.00072	1.05192	1.04865	1.07E+01	4.72E-01	4.16E-05	5.46E-02	1.55E+00	1.38E-01	1.82E+00	1.74E+00	1.30E+01
830	490336.72	3860635.12	1.04049	1.05751	1.57365	1.082	3.01932	1.00195	1.06066	1.05751	1.07E+01	4.76E-01	3.99E-05	5.60E-02	1.39E+00	1.39E-01	1.83E+00	1.75E+00	1.28E+01
831	490386.72	3860635.12	1.03632	1.06203	1.45542	1.10453	3.07379	0.99534	1.06486	1.06203	1.06E+01	4.78E-01	3.69E-05	5.72E-02	1.42E+00	1.38E-01	1.84E+00	1.76E+00	1.28E+01
832	490436.72	3860635.12	1.03105	1.06349	1.39745	1.11751	3.12538	0.98059	1.06612	1.06349	1.06E+01	4.79E-01	3.55E-05	5.78E-02	1.44E+00	1.36E-01	1.84E+00	1.76E+00	1.28E+01
833	490486.72	3860635.12	1.02549	1.05944	1.25546	1.12207	3.1377	0.95903	1.06159	1.05944	1.05E+01	4.77E-01	3.18E-05	5.81E-02	1.45E+00	1.33E-01	1.83E+00	1.76E+00	1.27E+01
834	490536.72	3860635.12	1.02017	1.04793	1.00969	1.11831	3.11494	0.93178	1.04992	1.04793	1.05E+01	4.72E-01	2.56E-05	5.79E-02	1.44E+00	1.29E-01	1.81E+00	1.74E+00	1.26E+01
835	490586.72	3860635.12	1.01245	1.04105	1.07599	1.09201	3.03207	0.89638	1.04227	1.04105	1.04E+01	4.69E-01	2.73E-05	5.65E-02	1.40E+00	1.24E-01	1.80E+00	1.72E+00	1.25E+01
836	490636.72	3860635.12	1.00609	1.02491	1.24235	1.06143	2.92571	0.9055	1.02712	1.02491	1.03E+01	4.61E-01	3.15E-05	5.49E-02	1.35E+00	1.25E-01	1.77E+00	1.70E+00	1.24E+01
837	490686.72	3860635.12	0.99973	1.00667	1.29003	1.0214	2.78552	0.91946	1.00844	1.00667	1.03E+01	4.53E-01	3.27E-05	5.29E-02	1.28E+00	1.27E-01	1.74E+00	1.67E+00	1.22E+01
838	490736.72	3860635.12	0.99348	0.98395	1.21463	0.9746	2.6163	0.92874	0.98574	0.98395	1.02E+01	4.43E-01	3.08E-05	5.05E-02	1.21E+00	1.28E-01	1.70E+00	1.63E+00	1.21E+01
839	490786.72	3860635.12	0.98873	0.95952	1.06691	0.9299	2.43394	0.93601	0.95866	0.95952	1.01E+01	4.32E-01	2.71E-05	4.81E-02	1.12E+00	1.29E-01	1.66E+00	1.59E+00	1.19E+01
840	490136.72	3860685.12	1.03823	0.90411	1.2295	0.90845	4.4849	0.89534	0.91068	0.90411	1.06E+01	4.07E-01	3.12E-05	4.70E-02	2.07E+00	1.24E-01	1.57E+00	1.50E+00	1.34E+01
841	490186.72	3860685.12	1.03793	0.92834	1.42535	0.94038	4.24101	0.92263	0.93488	0.92834	1.06E+01	4.18E-01	3.62E-05	4.87E-02	1.95E+00	1.28E-01	1.61E+00	1.54E+00	1.33E+01
842	490236.72	3860685.12	1.0325	0.97747	1.55307	0.95149	3.88551	0.94541	0.98405	0.97747	1.06E+01	4.40E-01	3.94E-05	4.93E-02	1.79E+00	1.31E-01	1.70E+00	1.62E+00	1.31E+01
843	490286.72	3860685.12	1.02698	1.0187	1.60061	0.95726	3.51624	0.95963	1.02498	1.0187	1.05E+01	4.58E-01	4.06E-05	4.96E-02	1.62E+00	1.33E-01	1.77E+00	1.69E+00	1.29E+01
844	490336.72	3860685.12	1.02557	1.04561	1.5919	0.97948	3.19645	0.97316	1.05157	1.04561	1.05E+01	4.71E-01	4.04E-05	5.07E-02	1.47E+00	1.35E-01	1.82E+00	1.73E+00	1.27E+01
845	490386.72	3860685.12	1.023	1.07097	1.47462	0.99476	2.94797	0.97868	1.07662	1.07097	1.05E+01	4.82E-01	3.74E-05	5.15E-02	1.36E+00	1.35E-01	1.86E+00	1.77E+00	1.26E+01
846	490436.72	3860685.12	1.01904	1.0942	1.37695	1.00189	3.02594	0.97583	1.09915	1.0942	1.04E+01	4.92E-01	3.49E-05	5.19E-02	1.39E+00	1.35E-01	1.90E+00	1.81E+00	1.26E+01
847	490486.72	3860685.12	1.01431	1.11312	1.32089	1.0027	3.06337	0.96548	1.11708	1.11312	1.04E+01	5.01E-01	3.35E-05	5.19E-02	1.41E+00	1.33E-01	1.93E+00	1.84E+00	1.26E+01
848	490536.72	3860685.12	1.00965	1.12552	1.13618	0.99998	3.06825	0.94916	1.12924	1.12552	1.04E+01	5.07E-01	2.88E-05	5.18E-02	1.41E+00	1.31E-01	1.95E+00	1.86E+00	1.25E+01
849	490586.72	3860685.12	1.00427	1.13301	0.88042	0.98928	3.03163	0.92594	1.13664	1.13301	1.03E+01	5.10E-01	2.23E-05	5.12E-02	1.40E+00	1.28E-01	1.96E+00	1.88E+00	1.25E+01
850	490636.72	3860685.12	0.9987	1.13501	1.07938	0.9729	2.95963	0.89719	1.13823	1.13501	1.02E+01	5.11E-01	2.74E-05	5.04E-02	1.36E+00	1.24E-01	1.97E+00	1.88E+00	1.24E+01
851	490686.72	3860685.12	0.99308	1.13137	1.21074	0.95155	2.85414	0.8637	1.13416	1.13137	1.02E+01	5.09E-01	3.07E-05	4.93E-02	1.32E+00	1.19E-01	1.96E+00	1.87E+00	1.23E+01

852	490736.72	3860685.12	0.9866	1.12311	1.22616	0.92284	2.71104	0.87553	1.12496	1.12311	1.01E+01	5.05E-01	3.11E-05	4.78E-02	1.25E+00	1.21E-01	1.94E+00	1.86E+00	1.21E+01
853	490786.72	3860685.12	0.98174	1.10842	1.14717	0.89731	2.55414	0.88986	1.10959	1.10842	1.01E+01	4.99E-01	2.91E-05	4.65E-02	1.18E+00	1.23E-01	1.92E+00	1.84E+00	1.20E+01
854	490136.72	3860735.12	1.01542	0.78651	1.22571	0.82054	4.51289	0.82192	0.79441	0.78651	1.04E+01	3.54E-01	3.11E-05	4.25E-02	2.08E+00	1.14E-01	1.37E+00	1.30E+00	1.31E+01
855	490186.72	3860735.12	1.01205	0.83116	1.29471	0.83219	4.25301	0.85104	0.83954	0.83116	1.04E+01	3.74E-01	3.28E-05	4.31E-02	1.96E+00	1.18E-01	1.45E+00	1.38E+00	1.29E+01
856	490236.72	3860735.12	1.00987	0.87444	1.44508	0.84501	3.97009	0.8791	0.88292	0.87444	1.04E+01	3.94E-01	3.67E-05	4.37E-02	1.83E+00	1.22E-01	1.52E+00	1.45E+00	1.28E+01
857	490286.72	3860735.12	1.00845	0.91686	1.55169	0.85824	3.66926	0.90456	0.92542	0.91686	1.03E+01	4.13E-01	3.94E-05	4.44E-02	1.69E+00	1.25E-01	1.60E+00	1.52E+00	1.27E+01
858	490336.72	3860735.12	1.00714	0.95935	1.5768	0.87019	3.35254	0.9255	0.96763	0.95935	1.03E+01	4.32E-01	4.00E-05	4.50E-02	1.54E+00	1.28E-01	1.67E+00	1.59E+00	1.26E+01
859	490386.72	3860735.12	1.00631	0.99919	1.51365	0.88356	3.03653	0.94199	1.00766	0.99919	1.03E+01	4.50E-01	3.84E-05	4.57E-02	1.40E+00	1.30E-01	1.74E+00	1.66E+00	1.24E+01
860	490436.72	3860735.12	1.00622	1.03426	1.37714	0.89988	2.92793	0.95378	1.04225	1.03426	1.03E+01	4.65E-01	3.49E-05	4.66E-02	1.35E+00	1.32E-01	1.80E+00	1.71E+00	1.24E+01
861	490486.72	3860735.12	1.00282	1.07511	1.34858	0.90411	2.99141	0.95489	1.08282	1.07511	1.03E+01	4.84E-01	3.42E-05	4.68E-02	1.38E+00	1.32E-01	1.87E+00	1.78E+00	1.24E+01
862	490536.72	3860735.12	0.99787	1.11249	1.22836	0.90245	3.00757	0.94739	1.11997	1.11249	1.02E+01	5.01E-01	3.12E-05	4.67E-02	1.39E+00	1.31E-01	1.93E+00	1.84E+00	1.24E+01
863	490586.72	3860735.12	0.99366	1.14329	1.01606	0.90317	2.99973	0.93525	1.15005	1.14329	1.02E+01	5.15E-01	2.58E-05	4.68E-02	1.38E+00	1.29E-01	1.99E+00	1.89E+00	1.24E+01
864	490636.72	3860735.12	0.98907	1.1686	0.88851	0.90102	2.95682	0.91694	1.17491	1.1686	1.01E+01	5.26E-01	2.25E-05	4.66E-02	1.36E+00	1.27E-01	2.03E+00	1.94E+00	1.23E+01
865	490686.72	3860735.12	0.98479	1.18932	1.07046	0.89772	2.88635	0.89391	1.19422	1.18932	1.01E+01	5.35E-01	2.72E-05	4.65E-02	1.33E+00	1.24E-01	2.06E+00	1.97E+00	1.22E+01
866	490736.72	3860735.12	0.98011	1.20348	1.17133	0.88967	2.78231	0.86541	1.20783	1.20348	1.01E+01	5.42E-01	2.97E-05	4.61E-02	1.28E+00	1.20E-01	2.09E+00	1.99E+00	1.21E+01
867	490136.72	3860785.12	0.99367	0.73444	1.23499	0.76357	4.53967	0.75343	0.73562	0.73444	1.02E+01	3.31E-01	3.13E-05	3.95E-02	2.09E+00	1.04E-01	1.27E+00	1.22E+00	1.28E+01
868	490186.72	3860785.12	0.99081	0.73426	1.21237	0.74139	4.32462	0.77925	0.73494	0.73426	1.02E+01	3.30E-01	3.08E-05	3.84E-02	1.99E+00	1.08E-01	1.27E+00	1.22E+00	1.27E+01
869	490236.72	3860785.12	0.98873	0.73293	1.36083	0.74924	4.07122	0.80927	0.73877	0.73293	1.01E+01	3.30E-01	3.45E-05	3.88E-02	1.88E+00	1.12E-01	1.28E+00	1.21E+00	1.26E+01
870	490286.72	3860785.12	0.98748	0.77443	1.48202	0.75834	3.79228	0.83838	0.78398	0.77443	1.01E+01	3.49E-01	3.76E-05	3.93E-02	1.75E+00	1.16E-01	1.35E+00	1.28E+00	1.24E+01
871	490336.72	3860785.12	0.98665	0.82144	1.54025	0.76851	3.49284	0.86493	0.83101	0.82144	1.01E+01	3.70E-01	3.91E-05	3.98E-02	1.61E+00	1.20E-01	1.43E+00	1.36E+00	1.23E+01
872	490386.72	3860785.12	0.98711	0.86586	1.52652	0.78439	3.19529	0.88989	0.87595	0.86586	1.01E+01	3.90E-01	3.87E-05	4.06E-02	1.47E+00	1.23E-01	1.51E+00	1.43E+00	1.22E+01
873	490436.72	3860785.12	0.98654	0.91503	1.42023	0.79849	2.88095	0.90831	0.92506	0.91503	1.01E+01	4.12E-01	3.60E-05	4.13E-02	1.33E+00	1.26E-01	1.60E+00	1.52E+00	1.21E+01
874	490486.72	3860785.12	0.98663	0.96139	1.31953	0.81725	2.88192	0.92277	0.97137	0.96139	1.01E+01	4.33E-01	3.35E-05	4.23E-02	1.33E+00	1.28E-01	1.68E+00	1.59E+00	1.21E+01
875	490536.72	3860785.12	0.98442	1.01254	1.28244	0.83024	2.93786	0.92808	1.02273	1.01254	1.01E+01	4.56E-01	3.25E-05	4.30E-02	1.35E+00	1.28E-01	1.77E+00	1.68E+00	1.22E+01
876	490586.72	3860785.12	0.98067	1.06231	1.12375	0.83866	2.94732	0.92505	1.07144	1.06231	1.01E+01	4.78E-01	2.85E-05	4.34E-02	1.36E+00	1.28E-01	1.85E+00	1.76E+00	1.22E+01
877	490636.72	3860785.12	0.97744	1.10642	0.90024	0.84835	2.9324	0.91762	1.1152	1.10642	1.00E+01	4.98E-01	2.28E-05	4.39E-02	1.35E+00	1.27E-01	1.93E+00	1.83E+00	1.21E+01
878	490686.72	3860785.12	0.97412	1.14804	0.90185	0.85565	2.88773	0.90482	1.15641	1.14804	9.99E+00	5.17E-01	2.29E-05	4.43E-02	1.33E+00	1.25E-01	2.00E+00	1.90E+00	1.21E+01
879	490736.72	3860785.12	0.97076	1.18764	1.05335	0.85934	2.81454	0.88682	1.19478	1.18764	9.95E+00	5.34E-01	2.67E-05	4.45E-02	1.30E+00	1.23E-01	2.06E+00	1.97E+00	1.20E+01
880	490086.72	3860835.12	0.97777	0.74878	1.26965	0.77557	4.69872	0.70058	0.75302	0.74878	1.00E+01	3.37E-01	3.22E-05	4.01E-02	2.17E+00	9.69E-02	1.30E+00	1.24E+00	1.27E+01
881	490136.72	3860835.12	0.97378	0.75722	1.24129	0.75952	4.57386	0.71107	0.76101	0.75722	9.99E+00	3.41E-01	3.15E-05	3.93E-02	2.11E+00	9.83E-02	1.31E+00	1.25E+00	1.26E+01
882	490186.72	3860835.12	0.97015	0.76711	1.13722	0.73621	4.38316	0.72269	0.77053	0.76711	9.95E+00	3.45E-01	2.88E-05	3.81E-02	2.02E+00	9.99E-02	1.33E+00	1.27E+00	1.25E+01
883	490236.72	3860835.12	0.96769	0.77523	1.27948	0.70936	4.15715	0.73995	0.77779	0.77523	9.92E+00	3.49E-01	3.25E-05	3.67E-02	1.92E+00	1.02E-01	1.34E+00	1.28E+00	1.24E+01
884	490286.72	3860835.12	0.96647	0.78067	1.41059	0.68083	3.9057	0.76995	0.78303	0.78067	9.91E+00	3.51E-01	3.58E-05	3.52E-02	1.80E+00	1.06E-01	1.35E+00	1.29E+00	1.23E+01
885	490336.72	3860835.12	0.96558	0.78587	1.49245	0.68477	3.62384	0.79857	0.78717	0.78587	9.90E+00	3.54E-01	3.79E-05	3.54E-02	1.67E+00	1.10E-01	1.36E+00	1.30E+00	1.21E+01
886	490386.72	3860835.12	0.96542	0.7886	1.50675	0.70098	3.32884	0.82596	0.78946	0.7886	9.90E+00	3.55E-01	3.82E-05	3.63E-02	1.53E+00	1.14E-01	1.36E+00	1.31E+00	1.20E+01
887	490436.72	3860835.12	0.96612	0.7886	1.44937	0.72266	3.03308	0.85178	0.78936	0.7886	9.91E+00	3.55E-01	3.68E-05	3.74E-02	1.40E+00	1.18E-01	1.36E+00	1.31E+00	1.19E+01
888	490486.72	3860835.12	0.96667	0.80563	1.32198	0.74639	2.74193	0.87321	0.81655	0.80563	9.91E+00	3.63E-01	3.35E-05	3.86E-02	1.26E+00	1.21E-01	1.41E+00	1.33E+00	1.18E+01
889	490536.72	3860835.12	0.96655	0.85836	1.28486	0.76988	2.83177	0.88889	0.86936	0.85836	9.91E+00	3.86E-01	3.26E-05	3.99E-02	1.30E+00	1.23E-01	1.50E+00	1.42E+00	1.18E+01
890	490586.72	3860835.12	0.96535	0.91403	1.19759	0.79047	2.87973	0.89776	0.92507	0.91403	9.90E+00	4.11E-01	3.04E-05	4.09E-02	1.33E+00	1.24E-01	1.60E+00	1.51E+00	1.19E+01
891	490636.72	3860835.12	0.96357	0.96874	1.01715	0.80798	2.89167	0.90053	0.97998	0.96874	9.88E+00	4.36E-01	2.58E-05	4.18E-02	1.33E+00	1.25E-01	1.69E+00	1.61E+00	1.19E+01
892	490686.72	3860835.12	0.96174	1.02228	0.7935	0.82286	2.87462	0.89834	1.03316	1.02228	9.86E+00	4.60E-01	2.01E-05	4.26E-02	1.32E+00	1.24E-01	1.78E+00	1.69E+00	1.19E+01
893	490736.72	3860835.12	0.95983	1.0759	0.91202	0.83369	2.82912	0.89097	1.08615	1.0759	9.84E+00	4.84E-01	2.31E-05	4.32E-02	1.30E+00	1.23E-01	1.88E+00	1.78E+00	1.19E+01
894	490086.72	3860885.12	0.95912	0.72064	1.22629	0.76834	4.67802	0.64202	0.7267	0.72064	9.83E+00	3.24E-01	3.11E-05	3.98E-02	2.16E+00	8.88E-02	1.25E+00	1.19E+00	1.25E+01
895	490136.72	3860885.12	0.95421	0.73725	1.23273	0.75279	4.57732	0.65032	0.74305	0.73725	9.78E+00	3.32E-01	3.13E-05	3.90E-02	2.11E+00	8.99E-02	1.28E+00	1.22E+00	1.24E+01
896	490186.72	3860885.12	0.95026	0.75356	1.10209	0.73299	4.42448	0.66124	0.75975	0.75356	9.74E+00	3.39E-01	2.80E-05	3.79E-02	2.04E+00	9.14E-02	1.31E+00	1.25E+00	1.23E+01
897	490236.72	3860885.12	0.94746	0.76917	1.20247	0.70948	4.23074	0.67674	0.77478	0.76917	9.72E+00	3.46E-01	3.05E-05	3.67E-02	1.95E+00	9.36E-02	1.34E+00	1.27E+00	1.22E+01
898	490286.72	3860885.12	0.94559	0.78398	1.3345	0.68231	4.00119	0.70386	0.78885	0.78398	9.70E+00	3.53E-01	3.39E-05	3.53E-02	1.84E+00	9.73E-02	1.36E+00	1.30E+00	1.21E+01
899	490336.72	3860885.12	0.94441	0.79807	1.43347	0.65281	3.73976	0.73171	0.80253	0.79807	9.68E+00	3.59E-01	3.64E-05	3.38E-02	1.72E+00	1.01E-01	1.39E+00	1.32E+00	1.20E+01
900	490386.72	3860885.12	0.94443	0.80974	1.4813	0.64103	3.46611	0.76082	0.81359	0.80974	9.68E+00	3.64E-01	3.76E-05	3.32E-02	1.60E+00	1.05E-01	1.40E+00	1.34E+00	1.18E+01
901	490436.72	3860885.12	0.94521	0.81991	1.4612	0.66653	3.1816	0.78935	0.82352	0.81991	9.69E+00	3.69E-01	3.71E-05	3.45E-02	1.47E+00	1.09E-01	1.42E+00	1.36E+00	1.17E+01
902	490486.72	3860885.12	0.94603	0.82944	1.36964	0.69387	2.88687	0.81511	0.83244	0.82944	9.70E+00	3.73E-01	3.47E-05	3.59E-02	1.33E+00	1.13E-01	1.44E+00	1.37E+00	1.16E+01
903	490536.72	3860885.12	0.94673	0.8379	1.24852	0.72178	2.70976	0.83722	0.84006	0.8379	9.71E+00	3.77E-01	3.17E-05	3.74E-02	1.25E+00	1.16E-01	1.45E+00	1.39E+00	1.15E+01
904	490586.72	3860885.12	0.94701	0.84425	1.2305	0.74811	2.78707	0.8546	0.84667	0.84425	9.71E+00	3.80E-01	3.12E-05	3.87E-02	1.28E+00	1.18E-01	1.46E+00	1.40E+00	1.16E+01
905	490636.72	3860885.12	0.94678	0.84862	1.10554	0.77111	2.82828	0.86668	0.8496	0.84862	9.71E+00	3.82E-01	2.80E-05	3.99E-02	1.30E+00	1.20E-01	1.47E+00	1.41E+00	1.16E+01
906	490686.72	3860885.12	0.94629	0.85017	0.91198	0.79043	2.83733	0.87386	0.85994	0.85017	9.70E+00	3.83E-01	2.31E-05	4.09E-02	1.31E+00	1.21E-01	1.48E+00	1.41E+00	1.16E+01
907	490736.72	3860885.12	0.94534	0.90469	0.75691	0.80433	2.81381	0.87553	0.91621	0.90469	9.69E+00	4.07E-01	1.92E-05	4.16E-02	1.30E+00	1.21E-01	1.58E+00	1.50E+00	1.16E+01
908	490086.72	3860935.12	0.93916	0.72516	1.174	0.75843	4.62267	0.62734	0.74168	0.72516	9.63E+00	3.26E-01	2.98E-05	3.93E-02	2.13E+00	8.67E-02	1.28E+00	1.20E+00	1.23E+01

909	490136.72	3860935.12	0.93412	0.72601	1.21116	0.74307	4.54791	0.61796	0.73879	0.72601
910	490186.72	3860935.12	0.93037	0.72779	1.1203	0.7274	4.43699	0.61841	0.73763	0.72779
911	490236.72	3860935.12	0.9274	0.72904	1.12455	0.7074	4.27882	0.62219	0.73669	0.72904
912	490286.72	3860935.12	0.92538	0.74248	1.2579	0.6837	4.08177	0.6451	0.74988	0.74248
913	490336.72	3860935.12	0.9238	0.76315	1.36824	0.65549	3.84318	0.66979	0.77014	0.76315
914	490386.72	3860935.12	0.92362	0.78162	1.44116	0.62841	3.59096	0.6975	0.78851	0.78162
915	490436.72	3860935.12	0.92415	0.79966	1.45375	0.62292	3.32038	0.72583	0.8062	0.79966
916	490486.72	3860935.12	0.92484	0.81806	1.39692	0.65135	3.03389	0.75291	0.82427	0.81806
917	490536.72	3860935.12	0.92604	0.83528	1.28446	0.68127	2.74573	0.77881	0.84104	0.83528
918	490586.72	3860935.12	0.92699	0.85224	1.2256	0.70958	2.67724	0.80138	0.85764	0.85224
919	490636.72	3860935.12	0.92784	0.8671	1.16085	0.7355	2.74521	0.82032	0.8718	0.8671
920	490686.72	3860935.12	0.92859	0.88031	1.01014	0.75828	2.78148	0.83542	0.88415	0.88031
921	490736.72	3860935.12	0.92889	0.89126	0.81136	0.77579	2.78383	0.84557	0.89438	0.89126
922	490786.72	3860935.12	0.9287	0.90026	0.77064	0.78742	2.75405	0.85056	0.90309	0.90026
923	490836.72	3860935.12	0.92849	0.91071	0.90047	0.79465	2.69892	0.85126	0.91143	0.91071
924	490086.72	3860985.12	0.91616	0.75945	1.12063	0.74962	4.55801	0.63533	0.77897	0.75945
925	490136.72	3860985.12	0.91282	0.76406	1.18717	0.73706	4.52357	0.62795	0.7801	0.76406
926	490186.72	3860985.12	0.90995	0.76883	1.13141	0.72371	4.44712	0.62596	0.7816	0.76883
927	490236.72	3860985.12	0.90699	0.77303	1.05009	0.70436	4.31051	0.62577	0.78247	0.77303
928	490286.72	3860985.12	0.90482	0.77609	1.17789	0.68234	4.13659	0.62985	0.78353	0.77609
929	490336.72	3860985.12	0.90338	0.77943	1.297	0.65737	3.92951	0.6371	0.78522	0.77943
930	490386.72	3860985.12	0.90279	0.78406	1.38617	0.63095	3.69631	0.64716	0.78721	0.78406
931	490436.72	3860985.12	0.90333	0.78872	1.42958	0.60574	3.44822	0.66601	0.79087	0.78872
932	490486.72	3860985.12	0.90384	0.79145	1.40616	0.61513	3.17423	0.69206	0.79237	0.79145
933	490536.72	3860985.12	0.90471	0.7923	1.32353	0.64385	2.89048	0.71787	0.79315	0.7923
934	490586.72	3860985.12	0.90598	0.80881	1.19681	0.67263	2.6067	0.74288	0.81681	0.80881
935	490636.72	3860985.12	0.9077	0.83119	1.18222	0.70099	2.64625	0.76666	0.83886	0.83119
936	490686.72	3860985.12	0.90909	0.85322	1.08144	0.72542	2.70615	0.78681	0.86025	0.85322
937	490736.72	3860985.12	0.91027	0.8743	0.9138	0.74561	2.73318	0.8033	0.88092	0.8743
938	490786.72	3860985.12	0.91141	0.89403	0.71731	0.76155	2.73077	0.81621	0.89982	0.89403
939	490836.72	3860985.12	0.91239	0.91335	0.78021	0.77262	2.69976	0.82507	0.91881	0.91335
940	490086.72	3861035.12	0.88713	0.79565	1.06458	0.74021	4.47331	0.64967	0.79714	0.79565
941	490136.72	3861035.12	0.88664	0.80082	1.15475	0.72935	4.47442	0.64024	0.80263	0.80082
942	490186.72	3861035.12	0.88555	0.80544	1.12918	0.71631	4.4224	0.63443	0.80622	0.80544
943	490236.72	3861035.12	0.88442	0.81112	1.00008	0.70128	4.32653	0.63316	0.81226	0.81112
944	490286.72	3861035.12	0.88301	0.81427	1.10081	0.68093	4.17831	0.63394	0.8137	0.81427
945	490336.72	3861035.12	0.88196	0.81778	1.22079	0.65779	3.99518	0.6383	0.81798	0.81778
946	490386.72	3861035.12	0.88188	0.82505	1.32524	0.63421	3.79198	0.64737	0.82533	0.82505
947	490436.72	3861035.12	0.88234	0.83432	1.39036	0.60937	3.56245	0.65845	0.83336	0.83432
948	490486.72	3861035.12	0.88289	0.8379	1.39785	0.58333	3.30476	0.66921	0.83845	0.8379
949	490536.72	3861035.12	0.88376	0.84065	1.34741	0.61048	3.03254	0.67998	0.84052	0.84065
950	490586.72	3861035.12	0.88499	0.84363	1.2481	0.63854	2.75474	0.69058	0.84318	0.84363
951	490636.72	3861035.12	0.88657	0.84551	1.16956	0.66599	2.52832	0.70941	0.84499	0.84551
952	490686.72	3861035.12	0.88836	0.84677	1.12219	0.69172	2.61131	0.73239	0.84513	0.84677
953	490736.72	3861035.12	0.89028	0.84831	0.99559	0.7146	2.66421	0.75336	0.8494	0.84831
954	490786.72	3861035.12	0.89237	0.8529	0.82088	0.73417	2.68847	0.77205	0.85272	0.8529
955	490836.72	3861035.12	0.8943	0.8601	0.66548	0.74878	2.6819	0.78726	0.86886	0.8601
956	490086.72	3861085.12	0.85144	0.83404	1.00798	0.73129	4.37433	0.66655	0.8359	0.83404
957	490136.72	3861085.12	0.8546	0.84264	1.11827	0.72255	4.41237	0.65596	0.84453	0.84264
958	490186.72	3861085.12	0.85685	0.8534	1.12402	0.7131	4.40308	0.64928	0.85355	0.8534
959	490236.72	3861085.12	0.85775	0.85675	1.02201	0.69791	4.32738	0.64341	0.85835	0.85675
960	490286.72	3861085.12	0.85825	0.86238	1.02817	0.68013	4.20987	0.64148	0.86343	0.86238
961	490336.72	3861085.12	0.85853	0.86757	1.14692	0.65893	4.0525	0.64278	0.86966	0.86757
962	490386.72	3861085.12	0.85929	0.8766	1.25803	0.63695	3.87225	0.64888	0.87761	0.8766
963	490436.72	3861085.12	0.85998	0.884	1.33658	0.61186	3.65624	0.65622	0.88484	0.884
964	490486.72	3861085.12	0.8609	0.89146	1.36982	0.5862	3.41705	0.66507	0.89211	0.89146
965	490536.72	3861085.12	0.86242	0.90064	1.35363	0.57946	3.16583	0.67583	0.90006	0.90064

9.58E+00	3.27E-01	3.07E-05	3.85E-02	2.10E+00	8.54E-02	1.28E+00	1.20E+00	1.22E+01
9.54E+00	3.28E-01	2.84E-05	3.77E-02	2.04E+00	8.55E-02	1.27E+00	1.21E+00	1.21E+01
9.51E+00	3.28E-01	2.85E-05	3.66E-02	1.97E+00	8.60E-02	1.27E+00	1.21E+00	1.20E+01
9.49E+00	3.34E-01	3.19E-05	3.54E-02	1.88E+00	8.92E-02	1.29E+00	1.23E+00	1.19E+01
9.47E+00	3.43E-01	3.47E-05	3.39E-02	1.77E+00	9.26E-02	1.33E+00	1.26E+00	1.18E+01
9.47E+00	3.52E-01	3.66E-05	3.25E-02	1.65E+00	9.64E-02	1.36E+00	1.30E+00	1.17E+01
9.48E+00	3.60E-01	3.69E-05	3.22E-02	1.53E+00	1.00E-01	1.39E+00	1.32E+00	1.16E+01
9.48E+00	3.68E-01	3.54E-05	3.37E-02	1.40E+00	1.04E-01	1.42E+00	1.36E+00	1.15E+01
9.50E+00	3.76E-01	3.26E-05	3.53E-02	1.27E+00	1.08E-01	1.45E+00	1.38E+00	1.13E+01
9.51E+00	3.84E-01	3.11E-05	3.67E-02	1.23E+00	1.11E-01	1.48E+00	1.41E+00	1.13E+01
9.51E+00	3.90E-01	2.94E-05	3.81E-02	1.27E+00	1.13E-01	1.51E+00	1.44E+00	1.14E+01
9.52E+00	3.96E-01	2.56E-05	3.93E-02	1.28E+00	1.15E-01	1.53E+00	1.46E+00	1.14E+01
9.52E+00	4.01E-01	2.06E-05	4.02E-02	1.28E+00	1.17E-01	1.54E+00	1.48E+00	1.14E+01
9.52E+00	4.05E-01	1.95E-05	4.08E-02	1.27E+00	1.18E-01	1.56E+00	1.49E+00	1.14E+01
9.52E+00	4.10E-01	2.28E-05	4.11E-02	1.24E+00	1.18E-01	1.57E+00	1.51E+00	1.14E+01
9.39E+00	3.42E-01	2.84E-05	3.88E-02	2.10E+00	8.78E-02	1.34E+00	1.26E+00	1.20E+01
9.36E+00	3.44E-01	3.01E-05	3.82E-02	2.08E+00	8.68E-02	1.35E+00	1.27E+00	1.20E+01
9.33E+00	3.46E-01	2.87E-05	3.75E-02	2.05E+00	8.65E-02	1.35E+00	1.27E+00	1.19E+01
9.30E+00	3.48E-01	2.66E-05	3.65E-02	1.99E+00	8.65E-02	1.35E+00	1.28E+00	1.18E+01
9.28E+00	3.49E-01	2.99E-05	3.53E-02	1.91E+00	8.71E-02	1.35E+00	1.29E+00	1.17E+01
9.26E+00	3.51E-01	3.29E-05	3.40E-02	1.81E+00	8.81E-02	1.36E+00	1.29E+00	1.16E+01
9.26E+00	3.53E-01	3.52E-05	3.27E-02	1.70E+00	8.95E-02	1.36E+00	1.30E+00	1.15E+01
9.26E+00	3.55E-01	3.63E-05	3.14E-02	1.59E+00	9.21E-02	1.37E+00	1.31E+00	1.14E+01
9.27E+00	3.56E-01	3.57E-05	3.18E-02	1.46E+00	9.57E-02	1.37E+00	1.31E+00	1.13E+01
9.28E+00	3.57E-01	3.36E-05	3.33E-02	1.33E+00	9.92E-02	1.37E+00	1.31E+00	1.12E+01
9.29E+00	3.64E-01	3.04E-05	3.48E-02	1.20E+00	1.03E-01	1.41E+00	1.34E+00	1.11E+01
9.31E+00	3.74E-01	3.00E-05	3.63E-02	1.22E+00	1.06E-01	1.45E+00	1.38E+00	1.11E+01
9.32E+00	3.84E-01	2.74E-05	3.76E-02	1.25E+00	1.09E-01	1.49E+00	1.41E+00	1.12E+01
9.33E+00	3.93E-01	2.32E-05	3.86E-02	1.26E+00	1.11E-01	1.52E+00	1.45E+00	1.12E+01
9.35E+00	4.02E-01	1.82E-05	3.94E-02	1.26E+00	1.13E-01	1.55E+00	1.48E+00	1.12E+01
9.36E+00	4.11E-01	1.98E-05	4.00E-02	1.24E+00	1.14E-01	1.59E+00	1.51E+00	1.12E+01
9.10E+00	3.58E-01	2.70E-05	3.83E-02	2.06E+00	8.98E-02	1.38E+00	1.32E+00	1.17E+01
9.09E+00	3.60E-01	2.93E-05	3.78E-02	2.06E+00	8.85E-02	1.39E+00	1.33E+00	1.17E+01
9.08E+00	3.62E-01	2.86E-05	3.71E-02	2.04E+00	8.77E-02	1.39E+00	1.33E+00	1.17E+01
9.07E+00	3.65E-01	2.54E-05	3.63E-02	1.99E+00	8.75E-02	1.40E+00	1.34E+00	1.16E+01
9.05E+00	3.66E-01	2.79E-05	3.52E-02	1.93E+00	8.76E-02	1.40E+00	1.35E+00	1.15E+01
9.04E+00	3.68E-01	3.10E-05	3.41E-02	1.84E+00	8.82E-02	1.41E+00	1.36E+00	1.14E+01
9.04E+00	3.71E-01	3.36E-05	3.28E-02	1.75E+00	8.95E-02	1.42E+00	1.37E+00	1.13E+01
9.05E+00	3.75E-01	3.53E-05	3.15E-02	1.64E+00	9.10E-02	1.44E+00	1.38E+00	1.12E+01
9.05E+00	3.77E-01	3.55E-05	3.02E-02	1.52E+00	9.25E-02	1.45E+00	1.39E+00	1.11E+01
9.06E+00	3.78E-01	3.42E-05	3.16E-02	1.40E+00	9.40E-02	1.45E+00	1.39E+00	1.10E+01
9.07E+00	3.80E-01	3.17E-05	3.31E-02	1.27E+00	9.55E-02	1.46E+00	1.40E+00	1.09E+01
9.09E+00	3.81E-01	2.97E-05	3.45E-02	1.17E+00	9.81E-02	1.46E+00	1.40E+00	1.08E+01
9.11E+00	3.81E-01	2.85E-05	3.58E-02	1.20E+00	1.01E-01	1.46E+00	1.40E+00	1.09E+01
9.13E+00	3.82E-01	2.53E-05	3.70E-02	1.23E+00	1.04E-01	1.47E+00	1.41E+00	1.09E+01
9.15E+00	3.84E-01	2.08E-05	3.80E-02	1.24E+00	1.07E-01	1.47E+00	1.41E+00	1.10E+01
9.17E+00	3.87E-01	1.69E-05	3.88E-02	1.24E+00	1.09E-01	1.50E+00	1.43E+00	1.10E+01
8.73E+00	3.75E-01	2.56E-05	3.79E-02	2.02E+00	9.22E-02	1.44E+00	1.38E+00	1.13E+01
8.76E+00	3.79E-01	2.84E-05	3.74E-02	2.03E+00	9.07E-02	1.46E+00	1.40E+00	1.14E+01
8.79E+00	3.84E-01	2.85E-05	3.69E-02	2.03E+00	8.98E-02	1.47E+00	1.41E+00	1.14E+01
8.80E+00	3.86E-01	2.59E-05	3.61E-02	1.99E+00	8.90E-02	1.48E+00	1.42E+00	1.14E+01
8.80E+00	3.88E-01	2.61E-05	3.52E-02	1.94E+00	8.87E-02	1.49E+00	1.43E+00	1.13E+01
8.80E+00	3.90E-01	2.91E-05	3.41E-02	1.87E+00	8.89E-02	1.50E+00	1.44E+00	1.12E+01
8.81E+00	3.95E-01	3.19E-05	3.30E-02	1.78E+00	8.97E-02	1.52E+00	1.45E+00	1.12E+01
8.82E+00	3.98E-01	3.39E-05	3.17E-02	1.68E+00	9.07E-02	1.53E+00	1.46E+00	1.11E+01
8.83E+00	4.01E-01	3.47E-05	3.03E-02	1.57E+00	9.19E-02	1.54E+00	1.48E+00	1.10E+01
8.84E+00	4.05E-01	3.43E-05	3.00E-02	1.46E+00	9.34E-02	1.55E+00	1.49E+00	1.09E+01

966	490586.72	3861085.12	0.86372	0.90488	1.28215	0.6063	2.89614	0.68487	0.90629	0.90488	8.86E+00	4.07E-01	3.25E-05	3.14E-02	1.33E+00	9.47E-02	1.56E+00	1.50E+00	1.08E+01
967	490636.72	3861085.12	0.86509	0.90556	1.1702	0.63235	2.62106	0.69277	0.90562	0.90556	8.87E+00	4.08E-01	2.97E-05	3.27E-02	1.21E+00	9.58E-02	1.56E+00	1.50E+00	1.07E+01
968	490686.72	3861085.12	0.86707	0.9092	1.13268	0.65845	2.50153	0.70098	0.91072	0.9092	8.89E+00	4.09E-01	2.87E-05	3.41E-02	1.15E+00	9.69E-02	1.57E+00	1.51E+00	1.06E+01
969	490736.72	3861085.12	0.86949	0.91611	1.05249	0.6833	2.57868	0.70875	0.91556	0.91611	8.92E+00	4.12E-01	2.67E-05	3.54E-02	1.19E+00	9.80E-02	1.58E+00	1.52E+00	1.07E+01
970	490786.72	3861085.12	0.87205	0.92195	0.90897	0.70515	2.62648	0.72198	0.92135	0.92195	8.94E+00	4.15E-01	2.31E-05	3.65E-02	1.21E+00	9.98E-02	1.59E+00	1.53E+00	1.08E+01
971	490836.72	3861085.12	0.87456	0.92917	0.73262	0.72267	2.64361	0.74132	0.92902	0.92917	8.97E+00	4.18E-01	1.86E-05	3.74E-02	1.22E+00	1.02E-01	1.60E+00	1.54E+00	1.08E+01
972	490086.72	3861135.12	0.81	0.86093	0.95123	0.72212	4.25913	0.6845	0.86358	0.86093	8.31E+00	3.87E-01	2.41E-05	3.74E-02	1.96E+00	9.46E-02	1.49E+00	1.43E+00	1.09E+01
973	490136.72	3861135.12	0.81648	0.87135	1.0753	0.71351	4.32253	0.67144	0.8745	0.87135	8.37E+00	3.92E-01	2.73E-05	3.69E-02	1.99E+00	9.28E-02	1.51E+00	1.44E+00	1.10E+01
974	490186.72	3861135.12	0.82177	0.88132	1.10523	0.70469	4.34062	0.66179	0.88397	0.88132	8.43E+00	3.97E-01	2.80E-05	3.65E-02	2.00E+00	9.15E-02	1.53E+00	1.46E+00	1.10E+01
975	490236.72	3861135.12	0.82592	0.89107	1.03451	0.69326	4.30754	0.65486	0.89282	0.89107	8.47E+00	4.01E-01	2.62E-05	3.59E-02	1.99E+00	9.05E-02	1.54E+00	1.48E+00	1.10E+01
976	490286.72	3861135.12	0.82905	0.89907	0.95775	0.67841	4.22395	0.65053	0.90147	0.89907	8.50E+00	4.05E-01	2.43E-05	3.51E-02	1.95E+00	8.99E-02	1.56E+00	1.49E+00	1.10E+01
977	490336.72	3861135.12	0.83145	0.90641	1.07375	0.65956	4.09521	0.64886	0.90949	0.90641	8.53E+00	4.08E-01	2.72E-05	3.41E-02	1.89E+00	8.97E-02	1.57E+00	1.50E+00	1.10E+01
978	490386.72	3861135.12	0.83364	0.91564	1.18643	0.63862	3.93412	0.65105	0.91861	0.91564	8.55E+00	4.12E-01	3.01E-05	3.31E-02	1.81E+00	9.00E-02	1.59E+00	1.52E+00	1.10E+01
979	490436.72	3861135.12	0.83551	0.92387	1.27649	0.61467	3.73893	0.65525	0.92611	0.92387	8.57E+00	4.16E-01	3.24E-05	3.18E-02	1.72E+00	9.06E-02	1.60E+00	1.53E+00	1.09E+01
980	490486.72	3861135.12	0.83742	0.93342	1.33094	0.58989	3.52015	0.66174	0.93461	0.93342	8.59E+00	4.20E-01	3.38E-05	3.05E-02	1.62E+00	9.15E-02	1.61E+00	1.55E+00	1.08E+01
981	490536.72	3861135.12	0.83937	0.94233	1.33884	0.56526	3.28107	0.66946	0.94411	0.94233	8.61E+00	4.24E-01	3.40E-05	2.93E-02	1.51E+00	9.26E-02	1.63E+00	1.56E+00	1.07E+01
982	490586.72	3861135.12	0.84128	0.95101	1.29661	0.57514	3.02543	0.67713	0.95114	0.95101	8.63E+00	4.28E-01	3.29E-05	2.98E-02	1.39E+00	9.36E-02	1.64E+00	1.58E+00	1.06E+01
983	490636.72	3861135.12	0.8431	0.95548	1.21026	0.6007	2.75935	0.68386	0.95795	0.95548	8.65E+00	4.30E-01	3.07E-05	3.11E-02	1.27E+00	9.45E-02	1.65E+00	1.58E+00	1.05E+01
984	490686.72	3861135.12	0.8455	0.96408	1.11596	0.62711	2.49717	0.69137	0.96468	0.96408	8.67E+00	4.34E-01	2.83E-05	3.25E-02	1.15E+00	9.56E-02	1.67E+00	1.60E+00	1.05E+01
985	490736.72	3861135.12	0.84824	0.97306	1.08312	0.65284	2.48058	0.69837	0.97344	0.97306	8.70E+00	4.38E-01	2.75E-05	3.38E-02	1.14E+00	9.66E-02	1.68E+00	1.61E+00	1.05E+01
986	490786.72	3861135.12	0.85112	0.98157	0.97754	0.67623	2.55013	0.70381	0.98337	0.98157	8.73E+00	4.42E-01	2.48E-05	3.50E-02	1.18E+00	9.73E-02	1.70E+00	1.63E+00	1.05E+01
987	490836.72	3861135.12	0.85398	0.99009	0.82357	0.69591	2.58933	0.70712	0.99104	0.99009	8.76E+00	4.46E-01	2.09E-05	3.60E-02	1.19E+00	9.78E-02	1.71E+00	1.64E+00	1.06E+01
988	490086.72	3861185.12	0.82255	0.87574	0.89535	0.71322	4.13209	0.70269	0.88022	0.87574	8.43E+00	3.94E-01	2.27E-05	3.69E-02	1.90E+00	9.71E-02	1.52E+00	1.45E+00	1.09E+01
989	490136.72	3861185.12	0.77631	0.88462	1.02843	0.70287	4.21188	0.68635	0.88861	0.88462	7.96E+00	3.98E-01	2.61E-05	3.64E-02	1.94E+00	9.49E-02	1.53E+00	1.47E+00	1.05E+01
990	490186.72	3861185.12	0.78193	0.89525	1.07884	0.69419	4.25448	0.67384	0.89934	0.89525	8.02E+00	4.03E-01	2.74E-05	3.59E-02	1.96E+00	9.32E-02	1.55E+00	1.48E+00	1.06E+01
991	490236.72	3861185.12	0.78889	0.90659	1.03508	0.68468	4.25275	0.66444	0.91011	0.90659	8.09E+00	4.08E-01	2.63E-05	3.54E-02	1.96E+00	9.19E-02	1.57E+00	1.50E+00	1.07E+01
992	490286.72	3861185.12	0.79501	0.91884	0.9114	0.67388	4.21009	0.65885	0.92172	0.91884	8.15E+00	4.14E-01	2.31E-05	3.49E-02	1.94E+00	9.11E-02	1.59E+00	1.52E+00	1.07E+01
993	490336.72	3861185.12	0.79944	0.92554	0.99554	0.6555	4.10025	0.65252	0.92927	0.92554	8.20E+00	4.17E-01	2.53E-05	3.39E-02	1.89E+00	9.02E-02	1.60E+00	1.53E+00	1.07E+01
994	490386.72	3861185.12	0.80374	0.93665	1.10848	0.63706	3.96777	0.65166	0.93999	0.93665	8.24E+00	4.22E-01	2.81E-05	3.30E-02	1.83E+00	9.01E-02	1.62E+00	1.55E+00	1.07E+01
995	490436.72	3861185.12	0.8077	0.9496	1.20983	0.61659	3.80535	0.65414	0.95238	0.9496	8.28E+00	4.27E-01	3.07E-05	3.19E-02	1.75E+00	9.04E-02	1.64E+00	1.57E+00	1.07E+01
996	490486.72	3861185.12	0.81101	0.95929	1.27955	0.59266	3.60587	0.65738	0.96332	0.95929	8.32E+00	4.32E-01	3.25E-05	3.07E-02	1.66E+00	9.09E-02	1.66E+00	1.59E+00	1.06E+01
997	490536.72	3861185.12	0.81468	0.97412	1.31572	0.57043	3.39477	0.66446	0.97699	0.97412	8.35E+00	4.38E-01	3.34E-05	2.95E-02	1.56E+00	9.19E-02	1.69E+00	1.61E+00	1.06E+01
998	490586.72	3861185.12	0.81738	0.98378	1.2978	0.5468	3.14997	0.66925	0.98642	0.98378	8.38E+00	4.43E-01	3.29E-05	2.83E-02	1.45E+00	9.25E-02	1.70E+00	1.63E+00	1.05E+01
999	490636.72	3861185.12	0.81964	0.98979	1.23364	0.57042	2.88872	0.6729	0.99236	0.98979	8.40E+00	4.45E-01	3.13E-05	2.95E-02	1.33E+00	9.30E-02	1.71E+00	1.64E+00	1.04E+01
1000	490686.72	3861185.12	0.82254	0.99938	1.14153	0.59609	2.63245	0.67858	1.00167	0.99938	8.43E+00	4.50E-01	2.90E-05	3.09E-02	1.21E+00	9.38E-02	1.73E+00	1.66E+00	1.03E+01
1001	490736.72	3861185.12	0.826	1.0132	1.08702	0.62272	2.38185	0.68515	1.01582	1.0132	8.47E+00	4.56E-01	2.76E-05	3.22E-02	1.10E+00	9.47E-02	1.75E+00	1.68E+00	1.02E+01
1002	490786.72	3861185.12	0.82939	1.02536	1.0234	0.64745	2.4598	0.68994	1.02779	1.02536	8.50E+00	4.61E-01	2.60E-05	3.35E-02	1.13E+00	9.54E-02	1.77E+00	1.70E+00	1.03E+01
1003	490836.72	3861185.12	0.83274	1.03641	0.89975	0.6692	2.52146	0.69264	1.0385	1.03641	8.54E+00	4.66E-01	2.28E-05	3.46E-02	1.16E+00	9.58E-02	1.79E+00	1.72E+00	1.04E+01
1004	490086.72	3861235.12	0.84064	0.87723	0.8405	0.70401	3.99278	0.71965	0.88154	0.87723	8.62E+00	3.95E-01	2.13E-05	3.64E-02	1.84E+00	9.95E-02	1.52E+00	1.45E+00	1.11E+01
1005	490136.72	3861235.12	0.79566	0.88714	0.98179	0.69438	4.09849	0.70242	0.89163	0.88714	8.16E+00	3.99E-01	2.49E-05	3.59E-02	1.89E+00	9.71E-02	1.54E+00	1.47E+00	1.06E+01
1006	490186.72	3861235.12	0.75167	0.89924	1.05049	0.68645	4.16758	0.68806	0.90334	0.89924	7.71E+00	4.05E-01	2.66E-05	3.55E-02	1.92E+00	9.51E-02	1.56E+00	1.49E+00	1.02E+01
1007	490236.72	3861235.12	0.74849	0.90854	1.02931	0.67612	4.18383	0.67461	0.91358	0.90854	7.68E+00	4.09E-01	2.61E-05	3.50E-02	1.93E+00	9.33E-02	1.58E+00	1.51E+00	1.02E+01
1008	490386.72	3861235.12	0.77021	0.9425	1.03126	0.63453	3.98484	0.65233	0.94707	0.9425	7.90E+00	4.24E-01	2.62E-05	3.28E-02	1.84E+00	9.02E-02	1.64E+00	1.56E+00	1.04E+01
1009	490436.72	3861235.12	0.77577	0.9535	1.13287	0.61446	3.83908	0.64996	0.95782	0.9535	7.95E+00	4.29E-01	2.87E-05	3.18E-02	1.77E+00	8.99E-02	1.65E+00	1.58E+00	1.03E+01
1010	490486.72	3861235.12	0.78086	0.9654	1.21456	0.59247	3.66467	0.65024	0.97003	0.9654	8.01E+00	4.34E-01	3.08E-05	3.07E-02	1.69E+00	8.99E-02	1.67E+00	1.60E+00	1.03E+01
1011	490536.72	3861235.12	0.78636	0.98404	1.27281	0.57277	3.48178	0.65573	0.98839	0.98404	8.06E+00	4.43E-01	3.23E-05	2.97E-02	1.60E+00	9.07E-02	1.71E+00	1.63E+00	1.03E+01
1012	490586.72	3861235.12	0.79119	0.99888	1.2865	0.55102	3.26745	0.66083	1.00229	0.99888	8.11E+00	4.50E-01	3.26E-05	2.85E-02	1.51E+00	9.14E-02	1.73E+00	1.66E+00	1.03E+01
1013	490636.72	3861235.12	0.79406	1.00429	1.24148	0.54185	3.00889	0.66025	1.00867	1.00429	8.14E+00	4.52E-01	3.15E-05	2.80E-02	1.39E+00	9.13E-02	1.74E+00	1.66E+00	1.02E+01
1014	490686.72	3861235.12	0.79794	1.01629	1.17197	0.56683	2.76228	0.66415	1.02032	1.01629	8.18E+00	4.57E-01	2.97E-05	2.93E-02	1.27E+00	9.18E-02	1.76E+00	1.68E+00	1.01E+01
1015	490736.72	3861235.12	0.80213	1.03182	1.07876	0.59309	2.51722	0.66912	1.03595	1.03182	8.23E+00	4.64E-01	2.74E-05	3.07E-02	1.16E+00	9.25E-02	1.79E+00	1.71E+00	1.01E+01
1016	490786.72	3861235.12	0.80636	1.0471	1.04515	0.61883	2.35647	0.67339	1.05102	1.0471	8.27E+00	4.71E-01	2.65E-05	3.20E-02	1.09E+00	9.31E-02	1.81E+00	1.73E+00	1.00E+01
1017	490836.72	3861235.12	0.81026	1.06018	0.95683	0.64179	2.43773	0.67518	1.06381	1.06018	8.31E+00	4.77E-01	2.43E-05	3.32E-02	1.12E+00	9.33E-02	1.84E+00	1.76E+00	1.01E+01
1018	490086.72	3861285.12	0.86031	0.86594	0.78899	0.69745	3.85356	0.73677	0.87108	0.86594	8.82E+00	3.90E-01	2.00E-05	3.61E-02	1.78E+00	1.02E-01	1.50E+00	1.43E+00	1.12E+01
1019	490136.72	3861285.12	0.81733	0.87832	0.93764	0.69024	3.99144	0.72052	0.88373	0.87832	8.38E+00	3.95E-01	2.38E-05	3.57E-02	1.84E+00	9.96E-02	1.53E+00	1.46E+00	1.08E+01
1020	490186.72	3861285.12	0.77365	0.88812	1.01889	0.67954	4.07075	0.70203	0.89379	0.88812	7.93E+00	4.00E-01	2.58E-05	3.52E-02	1.88E+00	9.71E-02	1.54E+00	1.47E+00	1.04E+01
1021	490236.72	3861285.12	0.73098	0.89903	1.01969	0.67007	4.11402	0.68634	0.90443	0.89903	7.50E+00	4.05E-01	2.59E-05	3.47E-02	1.90E+00	9.49E-02	1.56E+00	1.49E+00	1.00E+01
1022	490386.72	3861285.12	0.7341	0.93403	0.95894	0.63287	3.99367	0.65414	0.9395	0.93403	7.53E+00	4.20E-01	2.43E-05	3.28E-02	1.84E+00	9.04E-02	1.62E+00	1.55E+00	9.99E+00

1023	490436.72	3861285.12	0.74178	0.94762	1.0641	0.61603	3.88	0.64931	0.95344	0.94762	7.61E+00	4.26E-01	2.70E-05	3.19E-02	1.79E+00	8.98E-02	1.65E+00	1.57E+00	1.00E+01
1024	490486.72	3861285.12	0.74848	0.959	1.1522	0.59494	3.72442	0.64546	0.96498	0.959	7.67E+00	4.32E-01	2.92E-05	3.08E-02	1.72E+00	8.92E-02	1.67E+00	1.59E+00	1.00E+01
1025	490536.72	3861285.12	0.75482	0.97249	1.21666	0.57313	3.54571	0.6446	0.9785	0.97249	7.74E+00	4.38E-01	3.09E-05	2.97E-02	1.63E+00	8.91E-02	1.69E+00	1.61E+00	1.00E+01
1026	490586.72	3861285.12	0.76085	0.98774	1.24785	0.55117	3.34632	0.64588	0.9936	0.98774	7.80E+00	4.45E-01	3.17E-05	2.85E-02	1.54E+00	8.93E-02	1.72E+00	1.64E+00	9.99E+00
1027	490636.72	3861285.12	0.76575	0.9968	1.23246	0.52667	3.11437	0.64522	1.00171	0.9968	7.85E+00	4.49E-01	3.13E-05	2.73E-02	1.44E+00	8.92E-02	1.73E+00	1.65E+00	9.93E+00
1028	490686.72	3861285.12	0.77087	1.01015	1.18592	0.53835	2.88034	0.6472	1.01456	1.01015	7.90E+00	4.55E-01	3.01E-05	2.79E-02	1.33E+00	8.95E-02	1.75E+00	1.67E+00	9.88E+00
1029	490736.72	3861285.12	0.77647	1.02987	1.11526	0.56517	2.64915	0.65188	1.03527	1.02987	7.96E+00	4.63E-01	2.83E-05	2.93E-02	1.22E+00	9.01E-02	1.79E+00	1.71E+00	9.85E+00
1030	490786.72	3861285.12	0.78122	1.04306	1.04222	0.5896	2.40523	0.65348	1.04874	1.04306	8.01E+00	4.69E-01	2.64E-05	3.05E-02	1.11E+00	9.03E-02	1.81E+00	1.73E+00	9.79E+00
1031	490836.72	3861285.12	0.7856	1.05479	0.99091	0.6122	2.33366	0.6533	1.05813	1.05479	8.06E+00	4.75E-01	2.51E-05	3.17E-02	1.08E+00	9.03E-02	1.83E+00	1.75E+00	9.81E+00
1032	490061.24	3859716.13	1.4086	2.1474	4.00011	2.64028	3.16767	1.65075	2.16888	2.1474	1.44E+01	9.66E-01	1.01E-04	1.37E-01	1.46E+00	2.28E-01	3.74E+00	3.56E+00	1.74E+01
1033	490111.24	3859716.13	1.45055	2.44255	4.41844	2.76153	2.81644	1.71629	2.357	2.44255	1.49E+01	1.10E+00	1.12E-04	1.43E-01	1.30E+00	2.37E-01	4.07E+00	4.05E+00	1.77E+01
1034	490161.24	3859716.13	1.51115	2.92283	3.66856	2.99871	2.46406	1.84506	2.55759	2.92283	1.55E+01	1.32E+00	9.31E-05	1.55E-01	1.14E+00	2.55E-01	4.42E+00	4.84E+00	1.79E+01
1035	490211.24	3859716.13	1.59987	3.41155	4.6056	3.25862	2.1225	1.97212	2.95665	3.41155	1.64E+01	1.54E+00	1.17E-04	1.69E-01	9.78E-01	2.73E-01	5.10E+00	5.65E+00	1.88E+01
1036	490061.24	3859766.13	1.33445	1.74978	3.41687	2.50802	3.39258	1.64294	1.75314	1.74978	1.37E+01	7.87E-01	8.67E-05	1.30E-01	1.56E+00	2.27E-01	3.03E+00	2.90E+00	1.65E+01
1037	490111.24	3859766.13	1.35817	1.86725	3.56975	2.62014	3.05444	1.69364	1.87144	1.86725	1.39E+01	8.40E-01	9.06E-05	1.36E-01	1.41E+00	2.34E-01	3.23E+00	3.09E+00	1.67E+01
1038	490161.24	3859766.13	1.38816	2.08428	3.98775	2.73131	2.70729	1.74276	1.99635	2.08428	1.42E+01	9.38E-01	1.01E-04	1.41E-01	1.25E+00	2.41E-01	3.45E+00	3.45E+00	1.68E+01
1039	490211.24	3859766.13	1.42769	2.42602	3.60365	2.85781	2.36792	1.79927	2.14333	2.42602	1.46E+01	1.09E+00	9.14E-05	1.48E-01	1.09E+00	2.49E-01	3.70E+00	4.02E+00	1.69E+01
1040	490061.24	3859816.13	1.2879	1.43595	3.49569	2.2849	3.5813	1.62587	1.42504	1.43595	1.32E+01	6.46E-01	8.87E-05	1.18E-01	1.65E+00	2.25E-01	2.46E+00	2.38E+00	1.59E+01
1041	490111.24	3859816.13	1.29863	1.51895	3.2351	2.39664	3.26666	1.67945	1.50783	1.51895	1.33E+01	6.84E-01	8.21E-05	1.24E-01	1.51E+00	2.32E-01	2.60E+00	2.52E+00	1.59E+01
1042	490161.24	3859816.13	1.31593	1.61248	3.38882	2.5213	2.93862	1.73899	1.6003	1.61248	1.35E+01	7.26E-01	8.60E-05	1.31E-01	1.35E+00	2.40E-01	2.76E+00	2.67E+00	1.60E+01
1043	490211.24	3859816.13	1.33862	1.81075	3.56992	2.65439	2.60504	1.80154	1.70063	1.81075	1.37E+01	8.15E-01	9.06E-05	1.37E-01	1.20E+00	2.49E-01	2.94E+00	3.00E+00	1.61E+01
1044	490061.24	3859866.13	1.26149	1.18129	3.60494	2.10367	3.73102	1.5549	1.272	1.18129	1.29E+01	5.32E-01	9.14E-05	1.09E-01	1.72E+00	2.15E-01	2.20E+00	1.96E+00	1.57E+01
1045	490111.24	3859866.13	1.26262	1.24388	3.0507	2.10622	3.45389	1.61029	1.31798	1.24388	1.29E+01	5.60E-01	7.74E-05	1.09E-01	1.59E+00	2.23E-01	2.28E+00	2.06E+00	1.56E+01
1046	490161.24	3859866.13	1.26928	1.31461	3.03977	2.13564	3.15181	1.67115	1.35528	1.31461	1.30E+01	5.92E-01	7.71E-05	1.11E-01	1.45E+00	2.31E-01	2.34E+00	2.18E+00	1.56E+01
1047	490211.24	3859866.13	1.28157	1.4231	3.20609	2.25685	2.83432	1.73667	1.38088	1.4231	1.31E+01	6.40E-01	8.13E-05	1.17E-01	1.31E+00	2.40E-01	2.38E+00	2.36E+00	1.55E+01
1048	490061.24	3859916.13	1.25007	1.02881	3.04628	1.98689	3.83801	1.43193	1.14494	1.02881	1.28E+01	4.63E-01	7.73E-05	1.03E-01	1.77E+00	1.98E-01	1.98E+00	1.70E+00	1.56E+01
1049	490111.24	3859916.13	1.24357	1.06895	3.01663	1.99765	3.60631	1.47859	1.20775	1.06895	1.28E+01	4.81E-01	7.65E-05	1.03E-01	1.66E+00	2.04E-01	2.09E+00	1.77E+00	1.55E+01
1050	490161.24	3859916.13	1.24159	1.10904	2.76568	1.99749	3.33521	1.52783	1.25333	1.10904	1.27E+01	4.99E-01	7.02E-05	1.03E-01	1.54E+00	2.11E-01	2.16E+00	1.84E+00	1.54E+01
1051	490211.24	3859916.13	1.2442	1.14584	2.81767	1.99494	3.03785	1.57959	1.28317	1.14584	1.28E+01	5.16E-01	7.15E-05	1.03E-01	1.40E+00	2.18E-01	2.22E+00	1.90E+00	1.53E+01
1052	490229.25	3859815.26	1.35005	1.91592	3.608	2.71956	2.48468	1.83023	1.7541	1.91592	1.38E+01	8.62E-01	9.15E-05	1.41E-01	1.15E+00	2.53E-01	3.03E+00	3.17E+00	1.61E+01
1053	490279.25	3859815.26	1.38113	2.19061	3.22444	2.86443	2.15924	1.89622	1.86632	2.19061	1.42E+01	9.86E-01	8.18E-05	1.48E-01	9.95E-01	2.62E-01	3.22E+00	3.63E+00	1.61E+01
1054	490329.25	3859815.26	1.41878	2.49254	3.45052	3.02272	1.9268	1.967	2.0234	2.49254	1.45E+01	1.12E+00	8.75E-05	1.56E-01	8.88E-01	2.72E-01	3.49E+00	4.13E+00	1.63E+01
1055	490379.25	3859815.26	1.47991	2.83072	3.85944	3.23607	2.00019	2.06537	2.41151	2.83072	1.52E+01	1.27E+00	9.79E-05	1.68E-01	9.22E-01	2.86E-01	4.16E+00	4.69E+00	1.73E+01
1056	490429.25	3859815.26	1.54527	3.20232	3.90729	3.51348	2.04511	2.19467	2.83111	3.20232	1.58E+01	1.44E+00	9.91E-05	1.82E-01	9.42E-01	3.03E-01	4.89E+00	5.31E+00	1.83E+01
1057	490229.25	3859865.26	1.28809	1.4903	3.15839	2.31197	2.71459	1.76373	1.39865	1.4903	1.32E+01	6.71E-01	8.01E-05	1.20E-01	1.25E+00	2.44E-01	2.41E+00	2.47E+00	1.54E+01
1058	490279.25	3859865.26	1.30667	1.67899	3.26405	2.44343	2.39145	1.83411	1.47914	1.67899	1.34E+01	7.56E-01	8.28E-05	1.26E-01	1.10E+00	2.54E-01	2.55E+00	2.78E+00	1.54E+01
1059	490329.25	3859865.26	1.32981	1.89993	3.06998	2.58724	2.07818	1.91032	1.56837	1.89993	1.36E+01	8.55E-01	7.79E-05	1.34E-01	9.58E-01	2.64E-01	2.71E+00	3.15E+00	1.54E+01
1060	490379.25	3859865.26	1.35764	2.15622	3.32435	2.7598	1.88077	2.00249	1.68454	2.15622	1.39E+01	9.70E-01	8.43E-05	1.43E-01	8.67E-01	2.77E-01	2.91E+00	3.57E+00	1.55E+01
1061	490429.25	3859865.26	1.38897	2.43212	3.36444	2.96487	1.95304	2.1133	1.99972	2.43212	1.42E+01	1.09E+00	8.53E-05	1.53E-01	9.00E-01	2.92E-01	3.45E+00	4.03E+00	1.61E+01
1062	490229.25	3859915.26	1.24727	1.19523	2.85826	1.99982	2.92533	1.60334	1.29517	1.19523	1.28E+01	5.38E-01	7.25E-05	1.04E-01	1.35E+00	2.22E-01	2.24E+00	1.98E+00	1.53E+01
1063	490279.25	3859915.26	1.25631	1.32702	2.9497	1.99217	2.61025	1.658	1.30832	1.32702	1.29E+01	5.97E-01	7.48E-05	1.03E-01	1.20E+00	2.29E-01	2.26E+00	2.20E+00	1.51E+01
1064	490329.25	3859915.26	1.27022	1.48591	2.94068	2.10172	2.30008	1.71942	1.31509	1.48591	1.30E+01	6.69E-01	7.46E-05	1.09E-01	1.06E+00	2.38E-01	2.27E+00	2.46E+00	1.49E+01
1065	490379.25	3859915.26	1.28817	1.67363	2.88153	2.233	2.00143	1.78838	1.31188	1.67363	1.32E+01	7.53E-01	7.31E-05	1.16E-01	9.22E-01	2.47E-01	2.26E+00	2.77E+00	1.47E+01
1066	490429.25	3859915.26	1.30884	1.88145	3.11491	2.32736	1.83378	1.86281	1.41476	1.88145	1.34E+01	8.47E-01	7.90E-05	1.20E-01	8.45E-01	2.58E-01	2.44E+00	3.12E+00	1.48E+01
1067	490451.43	3859872.59	1.39219	2.45467	3.35539	2.94523	1.96051	2.13455	2.03337	2.45467	1.43E+01	1.10E+00	8.51E-05	1.52E-01	9.03E-01	2.95E-01	3.51E+00	4.07E+00	1.62E+01
1068	490501.43	3859872.59	1.44596	2.74781	3.56217	3.2076	1.99634	2.284	2.36778	2.74781	1.48E+01	1.24E+00	9.04E-05	1.66E-01	9.20E-01	3.16E-01	4.09E+00	4.55E+00	1.70E+01
1069	490551.43	3859872.59	1.50186	3.10757	3.47355	3.56091	2.00704	2.48779	2.76268	3.10757	1.54E+01	1.40E+00	8.81E-05	1.84E-01	9.25E-01	3.44E-01	4.77E+00	5.15E+00	1.79E+01
1070	490601.43	3859872.59	1.5569	3.51822	3.12444	3.9824	1.98697	2.73849	3.19653	3.51822	1.60E+01	1.58E+00	7.93E-05	2.06E-01	9.16E-01	3.79E-01	5.52E+00	5.83E+00	1.87E+01
1071	490451.43	3859922.59	1.30878	1.90978	3.16102	2.3184	1.85063	1.85628	1.45171	1.90978	1.34E+01	8.59E-01	8.02E-05	1.20E-01	8.53E-01	2.57E-01	2.51E+00	3.16E+00	1.49E+01
1072	490501.43	3859922.59	1.3311	2.13866	3.26136	2.35777	1.91455	1.94642	1.71075	2.13866	1.36E+01	9.62E-01	8.27E-05	1.22E-01	8.82E-01	2.69E-01	2.95E+00	3.54E+00	1.53E+01
1073	490551.43	3859922.59	1.36758	2.40254	3.22486	2.47655	1.95403	2.06692	2.00881	2.40254	1.40E+01	1.08E+00	8.18E-05	1.28E-01	9.00E-01	2.86E-01	3.47E+00	3.98E+00	1.59E+01
1074	490601.43	3859922.59	1.41769	2.69806	3.34383	2.70247	1.96654	2.21028	2.33924	2.69806	1.45E+01	1.21E+00	8.48E-05	1.40E-01	9.06E-01	3.06E-01	4.04E+00	4.47E+00	1.67E+01
1075	482129.67	3852241.07	0.94402	1.8819	0.73939	0.40992	0.86555	0.43856	1.80903	1.8819	9.68E+00	8.47E-01	1.88E-05	2.12E-02	3.99E-01	6.06E-02	3.12E+00	3.12E+00	1.10E+01
1076	482029.67	3852291.07	1.03728	2.361	0.79077	0.43869	0.97785	0.48436	2.3664	2.361	1.06E+01	1.06E+00	2.01E-05	2.27E-02	4.51E-01	6.70E-02	4.09E+00	3.91E+00	1.24E+01
1077	482079.67	3852291.07	1.02324	2.20996	0.74451	0.424	0.95263	0.46698	2.07508	2.20996	1.05E+01	9.95E-01	1.89E-05	2.19E-02	4.39E-01	6.46E-02	3.58E+00	3.66E+00	1.19E+01
1078	482129.67	3852291.07	0.98925	2.03691	0.73291	0.41466	0.92077	0.45226	1.9158	2.03691	1.01E+01	9.17E-01	1.86E-05	2.15E-02	4.24E-01	6.25E-02	3.31E+00	3.38E+00	1.15E+01
1079	482179.67	3852291.07	0.93587	1.85129	0.7495	0.41344	0.88324	0.44303	1.83302	1.85129	9.60E+00	8.33E-01	1.90E-05	2.14E-02	4.07E-01	6.12E-02	3.16E+00	3.07E+00	1.10E+01

1080	482229.67	3852291.07	0.87588	1.56635	0.78607	0.42064	0.84041	0.45112	1.57978	1.56635
1081	482029.67	3852341.07	1.06854	2.67262	0.84535	0.45684	1.00917	0.5049	2.68453	2.67262
1082	482079.67	3852341.07	1.05809	2.39945	0.77158	0.44023	0.99295	0.48569	2.33651	2.39945
1083	482129.67	3852341.07	1.03357	2.21144	0.73972	0.42485	0.96872	0.46819	2.06024	2.21144
1084	482179.67	3852341.07	0.98565	2.04622	0.74017	0.41643	0.93794	0.45371	1.97283	2.04622
1085	482259.06	3852400.14	0.93051	1.85426	0.79855	0.41123	0.93979	0.47268	1.87234	1.85426
1086	482309.06	3852400.14	0.86064	1.53688	0.82808	0.42008	0.90366	0.60467	1.57021	1.53688
1087	482209.06	3852450.14	1.06904	2.36214	0.77733	0.43019	1.01447	0.47883	2.24353	2.36214
1088	482259.06	3852450.14	0.99594	2.11842	0.78362	0.41773	0.99005	0.47001	2.10209	2.11842
1089	482309.06	3852450.14	0.91256	1.75992	0.80867	0.41714	0.96038	0.56465	1.81976	1.75992
1090	482209.06	3852500.14	1.13279	2.62516	0.78773	0.4516	1.04683	0.49911	2.45023	2.62516
1091	482259.06	3852500.14	1.06944	2.38874	0.77243	0.43229	1.03194	0.48036	2.32661	2.38874
1092	482309.06	3852500.14	0.97889	2.05824	0.7896	0.42151	1.00965	0.50382	2.09551	2.05824
1093	482283.91	3852513.62	1.04709	2.32392	0.77656	0.42924	1.03209	0.47694	2.30211	2.32392
1094	482333.91	3852513.62	0.94843	1.93864	0.80854	0.41984	1.00756	0.56034	2.00456	1.93864
1095	482283.91	3852563.62	1.12932	2.62722	0.78054	0.4477	1.06359	0.49565	2.55396	2.62722
1096	482333.91	3852563.62	1.02601	2.29	0.79866	0.42861	1.04785	0.55506	2.32612	2.29
1097	482383.91	3852563.62	0.91446	1.84159	0.84349	0.41865	1.02311	0.65889	1.9021	1.84159
1098	482283.91	3852613.62	1.2194	2.95734	0.7707	0.4778	1.08706	0.51996	2.82232	2.95734
1099	482333.91	3852613.62	1.12143	2.64537	0.78595	0.44869	1.07972	0.54916	2.63901	2.64537
1100	482383.91	3852613.62	0.99462	2.19496	0.82635	0.42773	1.0636	0.667	2.28301	2.19496
1101	482602.38	3852600.87	1.35366	2.53812	1.10358	0.53617	0.88938	0.65122	1.64005	2.53812
1102	482652.38	3852600.87	1.33971	2.19607	1.05905	0.51501	0.83329	0.63128	1.49075	2.19607
1103	482702.38	3852600.87	1.31449	1.40573	1.48392	0.53433	0.77479	0.636	1.26839	1.40573
1104	482552.38	3852650.87	1.33151	2.47176	1.22642	0.54804	1.00313	0.7533	1.71578	2.47176
1105	482602.38	3852650.87	1.38252	2.58677	1.17739	0.55248	0.95918	0.67214	1.77635	2.58677
1106	482652.38	3852650.87	1.365	2.26994	1.01716	0.53365	0.90789	0.62826	1.61099	2.26994
1107	482702.38	3852650.87	1.31708	1.61323	1.46358	0.51125	0.85118	0.63508	1.29641	1.61323
1108	482552.38	3852700.87	1.35991	2.58985	1.2416	0.54457	1.05889	0.75789	1.83948	2.58985
1109	482602.38	3852700.87	1.41656	2.67189	1.23514	0.56279	1.02208	0.69724	1.82278	2.67189
1110	482652.38	3852700.87	1.38997	2.32293	1.09436	0.54395	0.9744	0.66546	1.63677	2.32293
1111	482702.38	3852700.87	1.33752	1.72044	1.43944	0.52236	0.92471	0.66155	1.35676	1.72044
1112	482452.38	3852750.87	1.09541	2.68032	0.86218	0.48135	1.12679	0.80824	2.81667	2.68032
1113	482521.29	3852749.74	1.29987	2.49607	1.15335	0.47462	1.11424	0.8143	2.00578	2.49607
1114	482571.29	3852749.74	1.42769	2.85094	1.26994	0.54651	1.09305	0.75959	2.02005	2.85094
1115	482521.29	3852799.74	1.3231	2.60517	1.11896	0.48015	1.13998	0.84979	2.24601	2.60517
1116	482571.29	3852799.74	1.47025	3.06193	1.27058	0.522	1.13017	0.79289	2.219	3.06193
1117	482621.29	3852799.74	1.51148	3.03914	1.30064	0.57409	1.11072	0.72313	2.08444	3.03914
1118	482571.29	3852849.74	1.51972	3.30032	1.26382	0.49002	1.15661	0.82748	2.45964	3.30032
1119	482621.29	3852849.74	1.57732	3.31037	1.34079	0.57008	1.14951	0.74823	2.28697	3.31037
1120	482577.42	3852901.55	1.58677	3.65494	1.2668	0.51962	1.17187	0.85575	2.79492	3.65494
1121	482627.42	3852901.55	1.65568	3.60492	1.37608	0.55972	1.17658	0.7675	2.50437	3.60492
1122	482629.96	3852955.85	1.74588	3.99025	1.39795	0.53377	1.1891	0.79681	2.81903	3.99025
1123	482679.96	3852955.85	1.65627	3.53164	1.39563	0.61482	1.19591	0.72635	2.43175	3.53164
1124	482781.63	3853034.48	1.50618	1.98569	1.68135	0.67958	1.22673	0.76237	1.99956	1.98569
1125	482831.63	3853034.48	1.4037	1.77894	2.22512	0.65095	1.22082	0.81869	1.79282	1.77894
1126	482881.63	3853034.48	1.32915	1.59205	2.68009	0.60875	1.20274	0.864	1.60634	1.59205
1127	482781.63	3853084.48	1.56884	2.17647	1.59663	0.70247	1.23785	0.76472	2.20479	2.17647
1128	482831.63	3853084.48	1.44969	1.93457	2.1523	0.69054	1.24601	0.82495	1.95449	1.93457
1129	482881.63	3853084.48	1.36243	1.74408	2.6477	0.647	1.24122	0.88354	1.76116	1.74408
1130	482781.63	3853134.48	1.64213	2.18385	1.5197	0.70568	1.23179	0.7664	2.22383	2.18385
1131	482831.63	3853134.48	1.50196	2.00414	2.08594	0.72457	1.25414	0.8239	2.03612	2.00414
1132	482881.63	3853134.48	1.39882	1.84052	2.61918	0.68482	1.26294	0.89042	1.86607	1.84052
1133	482831.63	3853184.48	1.56407	1.95926	2.01559	0.74912	1.24487	0.8217	1.99113	1.95926
1134	482881.63	3853184.48	1.44287	1.84401	2.58345	0.72635	1.26823	0.88881	1.87243	1.84401
1135	484154.84	3854250.98	1.51465	0.43056	1.21476	1.5125	2.09288	0.9732	1.13337	0.43056
1136	484204.84	3854250.98	1.50265	0.41216	1.26682	1.56454	2.07616	0.94584	1.05203	0.41216

8.98E+00	7.05E-01	1.99E-05	2.18E-02	3.87E-01	6.24E-02	2.73E+00	2.60E+00	1.03E+01
1.10E+01	1.20E+00	2.14E-05	2.36E-02	4.65E-01	6.98E-02	4.63E+00	4.43E+00	1.29E+01
1.08E+01	1.08E+00	1.96E-05	2.28E-02	4.58E-01	6.71E-02	4.03E+00	3.98E+00	1.25E+01
1.06E+01	9.95E-01	1.88E-05	2.20E-02	4.46E-01	6.47E-02	3.56E+00	3.66E+00	1.20E+01
1.01E+01	9.21E-01	1.88E-05	2.16E-02	4.32E-01	6.27E-02	3.41E+00	3.39E+00	1.16E+01
9.54E+00	8.35E-01	2.03E-05	2.13E-02	4.33E-01	6.53E-02	3.23E+00	3.07E+00	1.11E+01
8.83E+00	6.92E-01	2.10E-05	2.17E-02	4.16E-01	8.36E-02	2.71E+00	2.55E+00	1.02E+01
1.10E+01	1.06E+00	1.97E-05	2.23E-02	4.68E-01	6.62E-02	3.87E+00	3.91E+00	1.25E+01
1.02E+01	9.53E-01	1.99E-05	2.16E-02	4.56E-01	6.50E-02	3.63E+00	3.51E+00	1.18E+01
9.36E+00	7.92E-01	2.05E-05	2.16E-02	4.43E-01	7.81E-02	3.14E+00	2.92E+00	1.09E+01
1.16E+01	1.18E+00	2.00E-05	2.34E-02	4.82E-01	6.90E-02	4.23E+00	4.35E+00	1.33E+01
1.10E+01	1.08E+00	1.96E-05	2.24E-02	4.76E-01	6.64E-02	4.02E+00	3.96E+00	1.27E+01
1.00E+01	9.26E-01	2.00E-05	2.18E-02	4.65E-01	6.97E-02	3.62E+00	3.41E+00	1.17E+01
1.07E+01	1.05E+00	1.97E-05	2.22E-02	4.76E-01	6.59E-02	3.97E+00	3.85E+00	1.25E+01
9.73E+00	8.72E-01	2.05E-05	2.17E-02	4.64E-01	7.75E-02	3.46E+00	3.21E+00	1.14E+01
1.16E+01	1.18E+00	1.98E-05	2.32E-02	4.90E-01	6.85E-02	4.41E+00	4.35E+00	1.34E+01
1.05E+01	1.03E+00	2.03E-05	2.22E-02	4.83E-01	7.67E-02	4.02E+00	3.79E+00	1.24E+01
9.38E+00	8.29E-01	2.14E-05	2.17E-02	4.71E-01	9.11E-02	3.28E+00	3.05E+00	1.10E+01
1.25E+01	1.33E+00	1.96E-05	2.47E-02	5.01E-01	7.19E-02	4.87E+00	4.90E+00	1.44E+01
1.15E+01	1.19E+00	1.99E-05	2.32E-02	4.98E-01	7.59E-02	4.56E+00	4.38E+00	1.35E+01
1.02E+01	9.88E-01	2.10E-05	2.21E-02	4.90E-01	9.22E-02	3.94E+00	3.64E+00	1.21E+01
1.39E+01	1.14E+00	2.80E-05	2.78E-02	4.10E-01	9.00E-02	2.83E+00	4.21E+00	1.42E+01
1.37E+01	9.88E-01	2.69E-05	2.67E-02	3.84E-01	8.73E-02	2.57E+00	3.64E+00	1.42E+01
1.35E+01	6.33E-01	3.76E-05	2.77E-02	3.57E-01	8.79E-02	2.19E+00	2.33E+00	1.44E+01
1.37E+01	1.11E+00	3.11E-05	2.84E-02	4.62E-01	1.04E-01	2.96E+00	4.10E+00	1.42E+01
1.42E+01	1.16E+00	2.99E-05	2.86E-02	4.42E-01	9.29E-02	3.07E+00	4.29E+00	1.47E+01
1.40E+01	1.02E+00	2.58E-05	2.76E-02	4.18E-01	8.69E-02	2.78E+00	3.76E+00	1.46E+01
1.35E+01	7.26E-01	3.71E-05	2.65E-02	3.92E-01	8.78E-02	2.24E+00	2.67E+00	1.43E+01
1.39E+01	1.17E+00	3.15E-05	2.82E-02	4.88E-01	1.05E-01	3.18E+00	4.29E+00	1.46E+01
1.45E+01	1.20E+00	3.13E-05	2.91E-02	4.71E-01	9.64E-02	3.15E+00	4.43E+00	1.50E+01
1.43E+01	1.05E+00	2.78E-05	2.82E-02	4.49E-01	9.20E-02	2.83E+00	3.85E+00	1.48E+01
1.37E+01	7.74E-01	3.65E-05	2.70E-02	4.26E-01	9.15E-02	2.34E+00	2.85E+00	1.45E+01
1.12E+01	1.21E+00	2.19E-05	2.49E-02	5.19E-01	1.12E-01	4.86E+00	4.44E+00	1.35E+01
1.33E+01	1.12E+00	2.93E-05	2.46E-02	5.13E-01	1.13E-01	3.46E+00	4.14E+00	1.44E+01
1.46E+01	1.28E+00	3.22E-05	2.83E-02	5.04E-01	1.05E-01	3.49E+00	4.72E+00	1.53E+01
1.36E+01	1.17E+00	2.84E-05	2.49E-02	5.25E-01	1.17E-01	3.88E+00	4.32E+00	1.50E+01
1.51E+01	1.38E+00	3.22E-05	2.70E-02	5.21E-01	1.10E-01	3.83E+00	5.07E+00	1.59E+01
1.55E+01	1.37E+00	3.30E-05	2.97E-02	5.12E-01	1.00E-01	3.60E+00	5.04E+00	1.61E+01
1.56E+01	1.49E+00	3.21E-05	2.54E-02	5.33E-01	1.14E-01	4.25E+00	5.47E+00	1.65E+01
1.62E+01	1.49E+00	3.40E-05	2.95E-02	5.30E-01	1.03E-01	3.95E+00	5.49E+00	1.68E+01
1.63E+01	1.64E+00	3.21E-05	2.69E-02	5.40E-01	1.18E-01	4.83E+00	6.06E+00	1.74E+01
1.70E+01	1.62E+00	3.49E-05	2.90E-02	5.42E-01	1.06E-01	4.32E+00	5.97E+00	1.76E+01
1.79E+01	1.80E+00	3.55E-05	2.76E-02	5.48E-01	1.10E-01	4.87E+00	6.61E+00	1.86E+01
1.70E+01	1.59E+00	3.54E-05	3.18E-02	5.51E-01	1.00E-01	4.20E+00	5.85E+00	1.76E+01
1.54E+01	8.94E-01	4.27E-05	3.52E-02	5.65E-01	1.05E-01	3.45E+00	3.29E+00	1.72E+01
1.44E+01	8.01E-01	5.64E-05	3.37E-02	5.63E-01	1.13E-01	3.10E+00	2.95E+00	1.61E+01
1.36E+01	7.16E-01	6.80E-05	3.15E-02	5.54E-01	1.19E-01	2.77E+00	2.64E+00	1.52E+01
1.61E+01	9.80E-01	4.05E-05	3.64E-02	5.70E-01	1.06E-01	3.81E+00	3.61E+00	1.80E+01
1.49E+01	8.71E-01	5.46E-05	3.57E-02	5.74E-01	1.14E-01	3.37E+00	3.21E+00	1.66E+01
1.40E+01	7.85E-01	6.72E-05	3.35E-02	5.72E-01	1.22E-01	3.04E+00	2.89E+00	1.56E+01
1.68E+01	9.83E-01	3.86E-05	3.65E-02	5.68E-01	1.06E-01	3.84E+00	3.62E+00	1.88E+01
1.54E+01	9.02E-01	5.29E-05	3.75E-02	5.78E-01	1.14E-01	3.52E+00	3.32E+00	1.72E+01
1.43E+01	8.28E-01	6.64E-05	3.55E-02	5.82E-01	1.23E-01	3.22E+00	3.05E+00	1.61E+01
1.60E+01	8.82E-01	5.11E-05	3.88E-02	5.74E-01	1.14E-01	3.44E+00	3.25E+00	1.78E+01
1.48E+01	8.30E-01	6.55E-05	3.76E-02	5.84E-01	1.23E-01	3.23E+00	3.06E+00	1.65E+01
1.55E+01	1.94E-01	3.08E-05	7.83E-02	9.64E-01	1.35E-01	1.96E+00	7.13E-01	1.81E+01
1.54E+01	1.85E-01	3.21E-05	8.10E-02	9.57E-01	1.31E-01	1.82E+00	6.83E-01	1.79E+01

1137	484154.84	3854300.98	1.58815	0.45076	1.24943	1.47788	2.06199	0.98098	1.18046	0.45076	1.63E+01	2.03E-01	3.17E-05	7.65E-02	9.50E-01	1.36E-01	2.04E+00	7.47E-01	1.89E+01
1138	484204.84	3854300.98	1.56551	0.41511	1.64114	1.60231	2.09937	0.99276	1.14401	0.41511	1.61E+01	1.87E-01	4.16E-05	8.29E-02	9.67E-01	1.37E-01	1.98E+00	6.88E-01	1.87E+01
1139	484074.19	3854519.8	1.92823	0.36644	1.99498	2.85948	1.55768	1.32849	1.30627	0.36644	1.98E+01	1.65E-01	5.06E-05	1.48E-01	7.18E-01	1.84E-01	2.26E+00	6.07E-01	2.26E+01
1140	484124.19	3854519.8	1.91588	0.38775	1.84297	2.51291	1.30627	1.32712	1.11156	0.38775	1.96E+01	1.75E-01	4.68E-05	1.30E-01	6.02E-01	1.83E-01	1.92E+00	6.42E-01	2.20E+01
1141	484074.19	3854569.8	2.0118	0.32248	1.78569	4.15413	1.90741	1.51249	1.40558	0.32248	2.06E+01	1.45E-01	4.53E-05	2.15E-01	8.79E-01	2.09E-01	2.43E+00	5.34E-01	2.40E+01
1142	484124.19	3854569.8	2.01008	0.34934	2.05193	2.90863	1.61545	1.33489	1.35127	0.34934	2.06E+01	1.57E-01	5.21E-05	1.51E-01	7.44E-01	1.85E-01	2.33E+00	5.79E-01	2.36E+01
1143	485205.11	3855188.89	1.87129	0.37236	1.43747	3.13951	2.92546	1.65874	1.60049	0.37236	1.92E+01	1.68E-01	3.65E-05	1.63E-01	1.35E+00	2.29E-01	2.76E+00	6.17E-01	2.32E+01
1144	485255.11	3855188.89	1.8296	0.3403	1.36984	2.64307	2.95479	1.50665	1.45358	0.3403	1.88E+01	1.53E-01	3.47E-05	1.37E-01	1.36E+00	2.08E-01	2.51E+00	5.64E-01	2.26E+01
1145	485205.11	3855238.89	1.98214	0.38513	1.31272	4.13965	2.8128	1.72909	1.7448	0.38513	2.03E+01	1.73E-01	3.33E-05	2.14E-01	1.30E+00	2.39E-01	3.01E+00	6.38E-01	2.46E+01
1146	485255.11	3855238.89	1.91239	0.36673	1.282	3.26483	2.95849	1.53563	1.56177	0.36673	1.96E+01	1.65E-01	3.25E-05	1.69E-01	1.36E+00	2.12E-01	2.70E+00	6.08E-01	2.36E+01
1147	485205.11	3855288.89	2.04201	0.39807	1.56395	6.74659	2.62751	2.26604	2.05046	0.39807	2.09E+01	1.79E-01	3.97E-05	3.49E-01	1.21E+00	3.13E-01	3.54E+00	6.60E-01	2.59E+01
1148	485255.11	3855288.89	1.97367	0.38861	1.49469	4.57339	2.86311	1.8264	1.73915	0.38861	2.02E+01	1.75E-01	3.79E-05	2.37E-01	1.32E+00	2.53E-01	3.00E+00	6.44E-01	2.46E+01
1149	485255.11	3855338.89	2.05352	0.39861	1.62574	7.43496	2.70838	2.38635	2.10262	0.39861	2.11E+01	1.79E-01	4.12E-05	3.85E-01	1.25E+00	3.30E-01	3.63E+00	6.60E-01	2.62E+01
1150	485305.11	3855338.89	1.98098	0.38833	1.62205	5.01637	2.89764	1.89855	1.76672	0.38833	2.03E+01	1.75E-01	4.11E-05	2.60E-01	1.34E+00	2.62E-01	3.05E+00	6.43E-01	2.48E+01
1151	485852.5	3855635.28	1.79261	0.33789	2.0548	2.43891	3.69717	1.38009	1.09615	0.33789	1.84E+01	1.52E-01	5.21E-05	1.26E-01	1.70E+00	1.91E-01	1.89E+00	5.60E-01	2.19E+01
1152	485902.5	3855635.28	1.77908	0.33542	1.85482	2.17126	3.52014	1.26459	1.0074	0.33542	1.82E+01	1.51E-01	4.71E-05	1.12E-01	1.62E+00	1.75E-01	1.74E+00	5.56E-01	2.15E+01
1153	485852.5	3855685.28	1.84513	0.33868	2.16735	2.85709	3.88041	1.50441	1.23966	0.33868	1.89E+01	1.52E-01	5.50E-05	1.48E-01	1.79E+00	2.08E-01	2.14E+00	5.61E-01	2.28E+01
1154	485902.5	3855685.28	1.82588	0.33405	2.31195	2.46338	3.80202	1.34841	1.10434	0.33405	1.87E+01	1.50E-01	5.86E-05	1.28E-01	1.75E+00	1.86E-01	1.91E+00	5.54E-01	2.23E+01
1155	485852.5	3855735.28	1.90442	0.34174	3.09489	3.7192	3.92522	1.64396	1.4307	0.34174	1.95E+01	1.54E-01	7.85E-05	1.93E-01	1.81E+00	2.27E-01	2.47E+00	5.66E-01	2.38E+01
1156	485902.5	3855735.28	1.87188	0.33791	2.99988	3.02492	3.98843	1.47108	1.27036	0.33791	1.92E+01	1.52E-01	7.61E-05	1.57E-01	1.84E+00	2.03E-01	2.19E+00	5.60E-01	2.32E+01
1157	485852.5	3855785.28	1.9656	0.35142	3.10292	4.88749	4.12553	1.90483	1.65319	0.35142	2.02E+01	1.58E-01	7.87E-05	2.53E-01	1.90E+00	2.63E-01	2.85E+00	5.82E-01	2.50E+01
1158	485902.5	3855785.28	1.93421	0.34097	2.64771	3.89171	4.01494	1.6104	1.46173	0.34097	1.98E+01	1.53E-01	6.72E-05	2.01E-01	1.85E+00	2.23E-01	2.52E+00	5.65E-01	2.42E+01
1159	486809.46	3856465.28	1.92608	0.35464	1.31856	2.92133	8.94451	1.37904	1.18926	0.35464	1.98E+01	1.60E-01	3.34E-05	1.51E-01	4.12E+00	1.91E-01	2.05E+00	5.88E-01	2.58E+01
1160	486859.46	3856465.28	1.8841	0.35528	1.26787	2.57401	10.5139	1.26228	1.11764	0.35528	1.93E+01	1.60E-01	3.22E-05	1.33E-01	4.85E+00	1.75E-01	1.93E+00	5.89E-01	2.60E+01
1161	486909.46	3856465.28	1.84742	0.35503	1.21111	2.28132	11.4196	1.15326	1.04799	0.35503	1.89E+01	1.60E-01	3.07E-05	1.18E-01	5.26E+00	1.59E-01	1.81E+00	5.88E-01	2.59E+01
1162	486809.46	3856515.28	1.9775	0.35777	1.42419	3.3959	9.60854	1.51383	1.27559	0.35777	2.03E+01	1.61E-01	3.61E-05	1.76E-01	4.43E+00	2.09E-01	2.20E+00	5.93E-01	2.69E+01
1163	486859.46	3856515.28	1.92844	0.35945	1.41048	2.95778	9.85647	1.38467	1.19492	0.35945	1.98E+01	1.62E-01	3.58E-05	1.53E-01	4.54E+00	1.91E-01	2.06E+00	5.96E-01	2.63E+01
1164	486909.46	3856515.28	1.88582	0.35998	1.38445	2.6128	11.4221	1.26919	1.12199	0.35998	1.93E+01	1.62E-01	3.51E-05	1.35E-01	5.26E+00	1.75E-01	1.94E+00	5.96E-01	2.64E+01
1165	486980.94	3856357.95	1.72913	0.34897	1.38969	1.5214	10.2554	0.9855	0.7943	0.34897	1.77E+01	1.57E-01	3.53E-05	7.88E-02	4.73E+00	1.36E-01	1.37E+00	5.78E-01	2.36E+01
1166	487030.94	3856357.95	1.69882	0.35105	1.42417	1.41919	9.75452	0.98571	0.74837	0.35105	1.74E+01	1.58E-01	3.61E-05	7.35E-02	4.50E+00	1.36E-01	1.29E+00	5.82E-01	2.30E+01
1167	486980.94	3856407.95	1.75628	0.35212	1.46366	1.64891	11.1055	1.04146	0.86446	0.35212	1.80E+01	1.58E-01	3.71E-05	8.54E-02	5.12E+00	1.44E-01	1.49E+00	5.83E-01	2.44E+01
1168	487030.94	3856407.95	1.72509	0.35306	1.55369	1.53441	10.7766	1.04125	0.8097	0.35306	1.77E+01	1.59E-01	3.94E-05	7.94E-02	4.97E+00	1.44E-01	1.40E+00	5.85E-01	2.39E+01
1169	487447.18	3856437.45	1.46898	0.38342	0.98771	1.01845	15.9261	0.80828	0.61691	0.38342	1.51E+01	1.73E-01	2.51E-05	5.27E-02	7.34E+00	1.12E-01	1.07E+00	6.35E-01	2.32E+01
1170	487497.18	3856437.45	1.43641	0.39008	0.96217	0.98064	16.2314	0.81499	0.61234	0.39008	1.47E+01	1.76E-01	2.44E-05	5.08E-02	7.48E+00	1.13E-01	1.06E+00	6.46E-01	2.30E+01
1171	487547.18	3856437.45	1.40346	0.39639	0.93701	0.95074	16.9424	0.81898	0.60951	0.39639	1.44E+01	1.78E-01	2.38E-05	4.92E-02	7.81E+00	1.13E-01	1.05E+00	6.57E-01	2.29E+01
1172	487447.18	3856487.45	1.48918	0.37749	1.01202	1.06455	17.6636	0.83778	0.63154	0.37749	1.53E+01	1.70E-01	2.57E-05	5.51E-02	8.14E+00	1.16E-01	1.09E+00	6.25E-01	2.42E+01
1173	487497.18	3856487.45	1.45632	0.38414	0.99727	1.02133	17.9894	0.84351	0.61993	0.38414	1.49E+01	1.73E-01	2.53E-05	5.29E-02	8.29E+00	1.17E-01	1.07E+00	6.36E-01	2.40E+01
1174	487547.18	3856487.45	1.42245	0.39124	0.98224	0.98274	18.535	0.84986	0.61111	0.39124	1.46E+01	1.76E-01	2.49E-05	5.09E-02	8.54E+00	1.17E-01	1.06E+00	6.48E-01	2.39E+01
1175	487447.18	3856537.45	1.51125	0.37292	1.02324	1.1143	18.6546	0.86858	0.65108	0.37292	1.55E+01	1.68E-01	2.60E-05	5.77E-02	8.60E+00	1.20E-01	1.12E+00	6.18E-01	2.49E+01
1176	487497.18	3856537.45	1.47793	0.3781	0.99426	1.06635	18.9056	0.87288	0.63375	0.3781	1.52E+01	1.70E-01	2.52E-05	5.52E-02	8.71E+00	1.21E-01	1.09E+00	6.26E-01	2.47E+01
1177	487547.18	3856537.45	1.44242	0.38616	0.98193	1.02539	19.2927	0.88272	0.61992	0.38616	1.48E+01	1.74E-01	2.49E-05	5.31E-02	8.89E+00	1.22E-01	1.07E+00	6.40E-01	2.45E+01
1178	489285.89	3858826.54	1.70883	1.17746	1.47045	6.06294	5.05159	2.55939	1.09739	1.17746	1.75E+01	5.30E-01	3.73E-05	3.14E-01	2.33E+00	3.54E-01	1.89E+00	1.95E+00	2.10E+01
1179	489335.89	3858826.54	1.64975	1.13776	1.51026	5.04406	4.3964	2.35789	1.04073	1.13776	1.69E+01	5.12E-01	3.83E-05	2.61E-01	2.03E+00	3.26E-01	1.80E+00	1.89E+00	2.00E+01
1180	489385.89	3858826.54	1.59276	1.09423	1.52576	4.35068	3.75245	2.19692	0.98789	1.09423	1.63E+01	4.92E-01	3.87E-05	2.25E-01	1.73E+00	3.04E-01	1.71E+00	1.81E+00	1.90E+01
1181	489435.89	3858826.54	1.53748	1.04745	1.52004	3.86831	3.4643	2.06708	0.94736	1.04745	1.58E+01	4.71E-01	3.86E-05	2.00E-01	1.60E+00	2.86E-01	1.64E+00	1.74E+00	1.82E+01
1182	489485.89	3858826.54	1.48456	1.00272	1.49432	3.50165	3.50871	1.95837	0.92102	1.00272	1.52E+01	4.51E-01	3.79E-05	1.81E-01	1.62E+00	2.71E-01	1.59E+00	1.66E+00	1.77E+01
1183	489535.89	3858826.54	1.43462	0.95676	3.07115	3.20972	3.50848	1.86421	0.89729	0.95676	1.47E+01	4.31E-01	7.79E-05	1.66E-01	1.62E+00	2.58E-01	1.55E+00	1.59E+00	1.71E+01
1184	489585.89	3858826.54	1.38742	0.91373	3.44537	2.97581	3.44138	1.78198	0.87572	0.91373	1.42E+01	4.11E-01	8.74E-05	1.54E-01	1.59E+00	2.46E-01	1.51E+00	1.51E+00	1.66E+01
1185	489635.89	3858826.54	1.34317	0.87602	3.14919	2.7831	3.3191	1.70956	0.8477	0.87602	1.38E+01	3.94E-01	7.99E-05	1.44E-01	1.53E+00	2.36E-01	1.46E+00	1.45E+00	1.61E+01
1186	489685.89	3858826.54	1.30139	0.84666	2.62027	2.62136	3.14941	1.64448	0.81423	0.84666	1.33E+01	3.81E-01	6.65E-05	1.36E-01	1.45E+00	2.27E-01	1.41E+00	1.40E+00	1.55E+01
1187	489735.89	3858826.54	1.26161	0.81649	3.89441	2.4824	3.37746	1.58554	0.78999	0.81649	1.29E+01	3.67E-01	9.88E-05	1.29E-01	1.56E+00	2.19E-01	1.36E+00	1.35E+00	1.52E+01
1188	489785.89	3858826.54	1.22288	0.78715	2.26311	2.36535	3.6533	1.53408	0.7691	0.78715	1.25E+01	3.54E-01	5.74E-05	1.22E-01	1.68E+00	2.12E-01	1.33E+00	1.30E+00	1.49E+01
1189	489835.89	3858826.54	1.18656	0.75986	1.85339	2.25953	3.89183	1.48096	0.74811	0.75986	1.22E+01	3.42E-01	4.70E-05	1.17E-01	1.79E+00	2.05E-01	1.29E+00	1.26E+00	1.47E+01
1190	489885.89	3858826.54	1.15058	0.73897	2.93314	2.16546	4.07578	1.43384	0.72969	0.73897	1.18E+01	3.33E-01	7.44E-05	1.12E-01	1.88E+00	1.98E-01	1.26E+00	1.22E+00	1.44E+01
1191	489935.89	3858826.54	1.1162	0.71775	2.66933	2.08197	4.21312	1.39471	0.71118	0.71775	1.14E+01	3.23E-01	6.77E-05	1.08E-01	1.94E+00	1.93E-01	1.23E+00	1.19E+00	1.40E+01
1192	489985.89	3858826.54	1.08332	0.69626	1.45766	2.03213	4.30407	1.37462	0.69187	0.69626	1.11E+01	3.13E-01	3.70E-05	1.05E-01	1.98E+00	1.90E-01	1.19E+00	1.15E+00	1.37E+01
1193	490035.89	3858826.54	1.0528	0.67198	1.59839	1.99186	4.44804	1.34812	0.67048	0.67198	1.08E+01	3.02E-01	4.05E-05	1.03E-01	2.05E+00	1.86E-01	1.16E+00	1.11E+00	1.35E+01

1194	489285.89	3858876.54	1.73512	1.25863	1.52196	6.8542	5.44267	2.78281	1.21292	1.25863	1.78E+01	5.66E-01	3.86E-05	3.55E-01	2.51E+00	3.85E-01	2.09E+00	2.09E+00	2.16E+01
1195	489335.89	3858876.54	1.68366	1.20658	1.56638	5.57264	4.83321	2.50231	1.14109	1.20658	1.73E+01	5.43E-01	3.97E-05	2.88E-01	2.23E+00	3.46E-01	1.97E+00	2.00E+00	2.06E+01
1196	489385.89	3858876.54	1.63128	1.16444	1.38395	4.74376	4.20135	2.29726	1.07962	1.16444	1.67E+01	5.24E-01	3.51E-05	2.46E-01	1.94E+00	3.18E-01	1.86E+00	1.93E+00	1.97E+01
1197	489435.89	3858876.54	1.57909	1.12504	1.40224	4.15035	3.57805	2.13728	1.02466	1.12504	1.62E+01	5.06E-01	3.56E-05	2.15E-01	1.65E+00	2.95E-01	1.77E+00	1.86E+00	1.88E+01
1198	489485.89	3858876.54	1.52789	1.08147	1.43298	3.71632	3.3654	2.00766	0.97686	1.08147	1.57E+01	4.87E-01	3.64E-05	1.92E-01	1.55E+00	2.78E-01	1.69E+00	1.79E+00	1.81E+01
1199	489535.89	3858876.54	1.47837	1.03255	2.53363	3.38297	3.39772	1.89889	0.93452	1.03255	1.52E+01	4.65E-01	6.43E-05	1.75E-01	1.57E+00	2.63E-01	1.61E+00	1.71E+00	1.75E+01
1200	489585.89	3858876.54	1.43134	0.9788	3.67644	3.11363	3.41394	1.80306	0.90352	0.9788	1.47E+01	4.41E-01	9.33E-05	1.61E-01	1.57E+00	2.49E-01	1.56E+00	1.62E+00	1.70E+01
1201	489635.89	3858876.54	1.38553	0.93355	3.52956	2.89565	3.36005	1.72276	0.89852	0.93355	1.42E+01	4.20E-01	8.95E-05	1.50E-01	1.55E+00	2.38E-01	1.55E+00	1.55E+00	1.66E+01
1202	489685.89	3858876.54	1.34241	0.89579	2.41654	2.71331	3.25245	1.65599	0.87402	0.89579	1.38E+01	4.03E-01	6.13E-05	1.40E-01	1.50E+00	2.29E-01	1.51E+00	1.48E+00	1.61E+01
1203	489735.89	3858876.54	1.30177	0.86401	3.92749	2.55882	3.09866	1.60203	0.83802	0.86401	1.33E+01	3.89E-01	9.96E-05	1.32E-01	1.43E+00	2.21E-01	1.45E+00	1.43E+00	1.55E+01
1204	489785.89	3858876.54	1.26209	0.83487	2.19997	2.4284	3.1456	1.55427	0.8118	0.83487	1.29E+01	3.76E-01	5.58E-05	1.26E-01	1.45E+00	2.15E-01	1.40E+00	1.38E+00	1.51E+01
1205	489835.89	3858876.54	1.22487	0.80483	2.32355	2.31235	3.42841	1.50676	0.78736	0.80483	1.26E+01	3.62E-01	5.89E-05	1.20E-01	1.58E+00	2.08E-01	1.36E+00	1.33E+00	1.49E+01
1206	489885.89	3858876.54	1.18778	0.7847	3.34455	2.21655	3.66303	1.46743	0.76735	0.7847	1.22E+01	3.53E-01	8.48E-05	1.15E-01	1.69E+00	2.03E-01	1.32E+00	1.30E+00	1.46E+01
1207	489935.89	3858876.54	1.15373	0.75932	2.59249	2.12622	3.86594	1.41745	0.74591	0.75932	1.18E+01	3.42E-01	6.58E-05	1.10E-01	1.78E+00	1.96E-01	1.29E+00	1.26E+00	1.43E+01
1208	489985.89	3858876.54	1.12127	0.73309	1.21249	2.03548	4.02524	1.40406	0.72298	0.73309	1.15E+01	3.30E-01	3.08E-05	1.05E-01	1.85E+00	1.94E-01	1.25E+00	1.21E+00	1.40E+01
1209	490035.89	3858876.54	1.08979	0.70927	2.4168	2.00826	4.13687	1.36206	0.70104	0.70927	1.12E+01	3.19E-01	6.13E-05	1.04E-01	1.91E+00	1.88E-01	1.21E+00	1.18E+00	1.37E+01
1210	489285.89	3858926.54	1.74367	1.379	2.02597	8.65084	5.75627	3.31753	1.34184	1.379	1.79E+01	6.21E-01	5.14E-05	4.48E-01	2.65E+00	4.59E-01	2.32E+00	2.28E+00	2.21E+01
1211	489335.89	3858926.54	1.70089	1.30034	1.66079	6.4715	5.211	2.85227	1.25383	1.30034	1.74E+01	5.85E-01	4.21E-05	3.35E-01	2.40E+00	3.94E-01	2.16E+00	2.15E+00	2.12E+01
1212	489385.89	3858926.54	1.6562	1.24163	1.77154	5.27167	4.62476	2.59114	1.17837	1.24163	1.70E+01	5.59E-01	4.49E-05	2.73E-01	2.13E+00	3.58E-01	2.03E+00	2.06E+00	2.03E+01
1213	489435.89	3858926.54	1.60958	1.19365	1.41425	4.49732	4.01509	2.38304	1.11427	1.19365	1.65E+01	5.37E-01	3.59E-05	2.33E-01	1.85E+00	3.29E-01	1.92E+00	1.98E+00	1.94E+01
1214	489485.89	3858926.54	1.56251	1.15334	1.35202	3.94446	3.41754	2.21098	1.0564	1.15334	1.60E+01	5.19E-01	3.43E-05	2.04E-01	1.57E+00	3.06E-01	1.82E+00	1.91E+00	1.85E+01
1215	489535.89	3858926.54	1.51573	1.11334	1.8022	3.53209	3.27302	2.06421	1.00565	1.11334	1.55E+01	5.01E-01	4.57E-05	1.83E-01	1.51E+00	2.85E-01	1.74E+00	1.84E+00	1.79E+01
1216	489585.89	3858926.54	1.46979	1.0617	3.61173	3.21269	3.29362	1.93126	0.9584	1.0617	1.51E+01	4.78E-01	9.16E-05	1.66E-01	1.52E+00	2.67E-01	1.65E+00	1.76E+00	1.74E+01
1217	489635.89	3858926.54	1.42496	1.00668	3.85814	2.97477	3.3169	1.80361	0.91725	1.00668	1.46E+01	4.53E-01	9.79E-05	1.54E-01	1.53E+00	2.49E-01	1.58E+00	1.67E+00	1.69E+01
1218	489685.89	3858926.54	1.38218	0.9543	2.76979	2.77739	3.28147	1.73638	0.90539	0.9543	1.42E+01	4.29E-01	7.03E-05	1.44E-01	1.51E+00	2.40E-01	1.56E+00	1.58E+00	1.65E+01
1219	489735.89	3858926.54	1.33994	0.91914	3.91035	2.61351	3.18386	1.68188	0.88363	0.91914	1.37E+01	4.14E-01	9.92E-05	1.35E-01	1.47E+00	2.33E-01	1.53E+00	1.52E+00	1.60E+01
1220	489785.89	3858926.54	1.29929	0.88767	2.10422	2.4749	3.03806	1.63243	0.86101	0.88767	1.33E+01	3.99E-01	5.34E-05	1.28E-01	1.40E+00	2.26E-01	1.49E+00	1.47E+00	1.55E+01
1221	489835.89	3858926.54	1.2615	0.85649	2.92427	2.35256	2.92578	1.58406	0.84084	0.85649	1.29E+01	3.85E-01	7.42E-05	1.22E-01	1.35E+00	2.19E-01	1.45E+00	1.42E+00	1.50E+01
1222	489885.89	3858926.54	1.22438	0.82895	3.71422	2.24796	3.204	1.54134	0.81428	0.82895	1.26E+01	3.73E-01	9.42E-05	1.16E-01	1.48E+00	2.13E-01	1.41E+00	1.37E+00	1.48E+01
1223	489935.89	3858926.54	1.18935	0.80333	2.34449	2.15274	3.45253	1.49932	0.78779	0.80333	1.22E+01	3.62E-01	5.95E-05	1.11E-01	1.59E+00	2.07E-01	1.36E+00	1.33E+00	1.45E+01
1224	489985.89	3858926.54	1.15664	0.77525	1.90866	2.06518	3.66834	1.44806	0.7634	0.77525	1.19E+01	3.49E-01	4.84E-05	1.07E-01	1.69E+00	2.00E-01	1.32E+00	1.28E+00	1.42E+01
1225	490035.89	3858926.54	1.1266	0.74102	3.2256	2.00071	3.85079	1.42871	0.7329	0.74102	1.16E+01	3.33E-01	8.18E-05	1.04E-01	1.77E+00	1.98E-01	1.27E+00	1.23E+00	1.40E+01
1226	489335.89	3858976.54	1.70873	1.45692	2.18465	8.99681	5.52716	3.73043	1.3777	1.45692	1.75E+01	6.56E-01	5.54E-05	4.66E-01	2.55E+00	5.16E-01	2.38E+00	2.41E+00	2.17E+01
1227	489385.89	3858976.54	1.66965	1.36028	2.00682	6.34342	4.99943	3.12402	1.28578	1.36028	1.71E+01	6.12E-01	5.09E-05	3.28E-01	2.30E+00	4.32E-01	2.22E+00	2.25E+00	2.08E+01
1228	489435.89	3858976.54	1.62798	1.28558	1.9658	5.16121	4.41878	2.77254	1.20949	1.28558	1.67E+01	5.79E-01	4.99E-05	2.67E-01	2.04E+00	3.83E-01	2.09E+00	2.13E+00	1.99E+01
1229	489485.89	3858976.54	1.58627	1.22411	1.65092	4.4084	3.83661	2.51363	1.14271	1.22411	1.63E+01	5.51E-01	4.19E-05	2.28E-01	1.77E+00	3.48E-01	1.97E+00	2.03E+00	1.91E+01
1230	489535.89	3858976.54	1.54413	1.18834	1.52716	3.8725	3.26784	2.31216	1.08228	1.18834	1.58E+01	5.35E-01	3.87E-05	2.00E-01	1.51E+00	3.20E-01	1.87E+00	1.97E+00	1.83E+01
1231	489585.89	3858976.54	1.50074	1.14013	3.1394	3.47338	3.18279	2.14901	1.03076	1.14013	1.54E+01	5.13E-01	7.96E-05	1.80E-01	1.47E+00	2.97E-01	1.78E+00	1.89E+00	1.77E+01
1232	489635.89	3858976.54	1.45831	1.09167	4.05305	3.163	3.19017	2.00106	0.98328	1.09167	1.50E+01	4.91E-01	1.03E-04	1.64E-01	1.47E+00	2.77E-01	1.70E+00	1.81E+00	1.72E+01
1233	489685.89	3858976.54	1.41679	1.03479	3.36828	2.91395	3.22596	1.85928	0.93553	1.03479	1.45E+01	4.66E-01	8.54E-05	1.51E-01	1.49E+00	2.57E-01	1.62E+00	1.71E+00	1.68E+01
1234	489735.89	3858976.54	1.37547	0.9868	3.82539	2.71	3.19717	1.75966	0.89813	0.9868	1.41E+01	4.44E-01	9.70E-05	1.40E-01	1.47E+00	2.43E-01	1.55E+00	1.64E+00	1.63E+01
1235	489785.89	3858976.54	1.33464	0.94833	1.95331	2.53993	3.10999	1.70589	0.86843	0.94833	1.37E+01	4.27E-01	4.96E-05	1.31E-01	1.43E+00	2.36E-01	1.50E+00	1.57E+00	1.58E+01
1236	489835.89	3858976.54	1.29563	0.91517	3.67554	2.3956	2.97869	1.65614	0.85116	0.91517	1.33E+01	4.12E-01	9.32E-05	1.24E-01	1.37E+00	2.29E-01	1.47E+00	1.52E+00	1.54E+01
1237	489885.89	3858976.54	1.25994	0.87862	3.94714	2.26989	2.81858	1.60604	0.85909	0.87862	1.29E+01	3.95E-01	1.00E-04	1.18E-01	1.30E+00	2.22E-01	1.48E+00	1.46E+00	1.50E+01
1238	489935.89	3858976.54	1.22496	0.84457	1.89355	2.16073	3.00278	1.56065	0.83184	0.84457	1.26E+01	3.80E-01	4.80E-05	1.12E-01	1.38E+00	2.16E-01	1.44E+00	1.40E+00	1.47E+01
1239	489985.89	3858976.54	1.19105	0.8175	3.02924	2.07764	3.2562	1.51816	0.80712	0.8175	1.22E+01	3.68E-01	7.68E-05	1.08E-01	1.50E+00	2.10E-01	1.39E+00	1.35E+00	1.44E+01
1240	490035.89	3858976.54	1.16576	0.76025	3.59621	2.0005	3.51693	1.459	0.75988	0.76025	1.20E+01	3.42E-01	9.12E-05	1.04E-01	1.62E+00	2.02E-01	1.31E+00	1.26E+00	1.43E+01
1241	489385.89	3859026.54	1.73635	1.60274	2.33158	10.60617	5.31312	4.91771	1.49394	1.60274	1.78E+01	7.21E-01	5.91E-05	5.49E-01	2.45E+00	6.80E-01	2.58E+00	2.66E+00	2.21E+01
1242	489435.89	3859026.54	1.66894	1.43765	2.43956	6.79876	4.79127	3.44863	1.31669	1.43765	1.71E+01	6.47E-01	6.19E-05	3.52E-01	2.21E+00	4.77E-01	2.27E+00	2.38E+00	2.07E+01
1243	489485.89	3859026.54	1.61291	1.34711	2.11673	5.20356	4.23775	3.02947	1.23582	1.34711	1.65E+01	6.06E-01	5.37E-05	2.69E-01	1.95E+00	4.19E-01	2.13E+00	2.23E+00	1.97E+01
1244	489535.89	3859026.54	1.56776	1.27203	2.06328	4.38441	3.67238	2.70967	1.16723	1.27203	1.61E+01	5.72E-01	5.23E-05	2.27E-01	1.69E+00	3.75E-01	2.02E+00	2.11E+00	1.88E+01
1245	489585.89	3859026.54	1.52666	1.22137	2.24963	3.84271	3.12626	2.46192	1.10513	1.22137	1.57E+01	5.50E-01	5.71E-05	1.99E-01	1.44E+00	3.40E-01	1.91E+00	2.02E+00	1.81E+01
1246	489635.89	3859026.54	1.48583	1.16588	3.98558	3.44401	3.09848	2.26359	1.05101	1.16588	1.52E+01	5.25E-01	1.01E-04	1.78E-01	1.43E+00	3.13E-01	1.81E+00	1.93E+00	1.76E+01
1247	489685.89	3859026.54	1.4457	1.11318	4.12179	3.13453	3.09211	2.08693	1.0033	1.11318	1.48E+01	5.01E-01	1.05E-04	1.62E-01	1.42E+00	2.89E-01	1.73E+00	1.84E+00	1.71E+01
1248	489735.89	3859026.54	1.40549	1.05435	3.6454	2.88793	3.12938	1.92953	0.96357	1.05435	1.44E+01	4.75E-01	9.25E-05	1.49E-01	1.44E+00	2.67E-01	1.66E+00	1.75E+00	1.67E+01
1249	489785.89	3859026.54	1.36608	1.00963	1.89607	2.68557	3.10944	1.80925	0.92754	1.00963	1.40E+01	4.54E-01	4.81E-05	1.39E-01	1.43E+00	2.50E-01	1.60E+00	1.67E+00	1.62E+01
1250	489835.89	3859026.54	1.32935	0.97525	4.57178	2.51562	3.04644	1.72939	0.88383	0.97525	1.36E+01	4.39E-01	1.16E-04	1.30E-01	1.40E+00	2.39E-01	1.53E+00	1.62E+00	1.58E+01

1251	489885.89	3859026.54	1.29285	0.93677	3.89664	2.37107	2.93249	1.67412	0.85785	0.93677
1252	489935.89	3859026.54	1.25816	0.89551	2.26049	2.24549	2.78246	1.62208	0.86893	0.89551
1253	489985.89	3859026.54	1.22471	0.86086	4.04788	2.12932	2.8125	1.57395	0.84808	0.86086
1254	490035.89	3859026.54	1.20111	0.78958	3.04882	2.03542	3.11296	1.49796	0.78895	0.78958
1255	489485.89	3859076.54	1.70269	1.57669	2.98873	8.51794	4.59995	3.9974	1.44777	1.57669
1256	489535.89	3859076.54	1.62461	1.41923	2.5616	5.64552	4.06358	3.24662	1.27216	1.41923
1257	489585.89	3859076.54	1.56565	1.3309	2.46226	4.50218	3.52159	2.8941	1.19755	1.3309
1258	489635.89	3859076.54	1.51676	1.25686	3.52001	3.86902	3.01253	2.621	1.13569	1.25686
1259	489685.89	3859076.54	1.47344	1.18868	5.03878	3.44433	3.0123	2.39255	1.08106	1.18868
1260	489735.89	3859076.54	1.43307	1.12088	3.33942	3.12722	2.98988	2.18473	1.03287	1.12088
1261	489785.89	3859076.54	1.39436	1.06151	2.58647	2.87663	3.03702	2.01296	0.98918	1.06151
1262	489835.89	3859076.54	1.35773	1.03277	5.55169	2.67177	3.03385	1.89275	0.94754	1.03277
1263	489885.89	3859076.54	1.32233	1.00262	3.40137	2.50099	2.9804	1.79287	0.90614	1.00262
1264	489935.89	3859076.54	1.2874	0.9687	3.85134	2.35563	2.87867	1.71721	0.86839	0.9687
1265	489985.89	3859076.54	1.25487	0.91927	4.14006	2.22643	2.74435	1.65522	0.86922	0.91927
1266	490035.89	3859076.54	1.23018	0.84222	3.14106	2.09249	2.65976	1.55962	0.82662	0.84222
1267	489585.89	3859126.54	1.64289	1.54792	3.50765	6.76273	3.89427	3.45767	1.41435	1.54792
1268	489635.89	3859126.54	1.57169	1.40489	3.97864	4.92096	3.36406	3.05068	1.26052	1.40489
1269	489685.89	3859126.54	1.5161	1.31238	6.08497	4.03279	2.92404	2.7525	1.18691	1.31238
1270	489735.89	3859126.54	1.46853	1.22368	4.26901	3.50549	2.93096	2.49607	1.12417	1.22368
1271	489785.89	3859126.54	1.42586	1.14288	3.59545	3.14784	2.89592	2.26516	1.07065	1.14288
1272	489835.89	3859126.54	1.38715	1.08285	6.37362	2.88091	2.95451	2.09764	1.02033	1.08285
1273	489885.89	3859126.54	1.3512	1.05937	2.57584	2.6689	2.96339	1.97806	0.97214	1.05937
1274	489935.89	3859126.54	1.31582	1.02454	5.02341	2.49534	2.91722	1.87422	0.93255	1.02454
1275	489985.89	3859126.54	1.28553	0.97788	3.27772	2.3355	2.84303	1.79068	0.9026	0.97788
1276	490035.89	3859126.54	1.25666	0.90765	4.53565	2.21327	2.72872	1.66941	0.87469	0.90765
1277	489585.89	3859176.54	1.81423	1.95573	4.3732	10.58374	4.24444	6.94767	1.83681	1.95573
1278	489635.89	3859176.54	1.71044	1.73066	4.63388	8.94075	3.73099	4.15334	1.61049	1.73066
1279	489685.89	3859176.54	1.61358	1.52652	6.97951	5.68896	3.21918	3.18361	1.40335	1.52652
1280	489735.89	3859176.54	1.54715	1.38563	6.00083	4.39121	2.83795	2.85556	1.26775	1.38563
1281	489785.89	3859176.54	1.48685	1.27625	5.08237	3.69616	2.85338	2.56208	1.19145	1.27625
1282	489835.89	3859176.54	1.43092	1.17919	6.44376	3.23186	2.8131	2.3251	1.12101	1.17919
1283	489885.89	3859176.54	1.3849	1.11487	4.80287	2.91805	2.87641	2.17279	1.06102	1.11487
1284	489935.89	3859176.54	1.3465	1.07543	4.11015	2.68536	2.88832	2.05862	1.01169	1.07543
1285	489985.89	3859176.54	1.31438	1.05635	5.34305	2.49346	2.86931	1.94657	0.94461	1.05635
1286	490035.89	3859176.54	1.28028	1.01386	3.70154	2.33789	2.78825	1.86152	0.91212	1.01386
1287	489685.89	3859226.54	1.75434	1.94163	9.00345	11.8143	3.57794	5.28277	1.85297	1.94163
1288	489735.89	3859226.54	1.64263	1.71058	8.8961	6.93693	3.08248	3.56476	1.61519	1.71058
1289	489785.89	3859226.54	1.55579	1.49528	7.1834	4.962	2.76074	2.9433	1.39449	1.49528
1290	489835.89	3859226.54	1.48964	1.32759	4.79121	4.06348	2.78246	2.59718	1.2567	1.32759
1291	489885.89	3859226.54	1.43872	1.22495	5.49592	3.49296	2.74944	2.38113	1.17301	1.22495
1292	489935.89	3859226.54	1.39067	1.15784	6.22776	3.08901	2.80076	2.2318	1.10327	1.15784
1293	489985.89	3859226.54	1.3527	1.1243	4.86666	2.7689	2.84258	2.07642	1.02024	1.1243
1294	490035.89	3859226.54	1.31368	1.08091	6.56696	2.53809	2.8099	1.99976	0.97798	1.08091
1295	489735.89	3859276.54	1.81548	2.18352	13.95067	10.06976	3.42848	6.75938	2.12449	2.18352
1296	489785.89	3859276.54	1.70881	1.92367	9.29488	9.32307	2.95734	4.24996	1.85834	1.92367
1297	489835.89	3859276.54	1.59493	1.67494	5.49742	5.83111	2.69017	3.1885	1.60285	1.67494
1298	489885.89	3859276.54	1.51844	1.4479	6.92544	4.56091	2.71225	2.6481	1.37024	1.4479
1299	489935.89	3859276.54	1.46158	1.27957	7.06677	3.81798	2.68862	2.43726	1.21474	1.27957
1300	489985.89	3859276.54	1.41215	1.19805	8.85136	3.24384	2.7516	2.22218	1.11183	1.19805
1301	490035.89	3859276.54	1.36038	1.14457	7.34109	2.95323	2.76242	2.13862	1.07673	1.14457
1302	490458.06	3859590.74	1.37345	1.50612	4.73136	5.61057	2.31497	2.76945	1.4943	1.50612
1303	490508.06	3859590.74	1.31133	1.39478	4.16042	4.50446	2.27614	2.466	1.36143	1.39478
1304	490558.06	3859590.74	1.26088	1.25694	3.62296	3.89443	2.20745	2.24783	1.2301	1.25694
1305	490608.06	3859590.74	1.21879	1.13712	3.38567	3.49821	2.11513	2.02225	1.11002	1.13712
1306	490658.06	3859590.74	1.18272	1.07282	3.40502	3.25186	2.00268	1.8624	1.0436	1.07282
1307	490708.06	3859590.74	1.15089	1.00759	3.39008	2.81653	1.87331	1.68609	0.97982	1.00759

1.33E+01	4.22E-01	9.88E-05	1.23E-01	1.35E+00	2.31E-01	1.48E+00	1.55E+00	1.53E+01
1.29E+01	4.03E-01	5.73E-05	1.16E-01	1.28E+00	2.24E-01	1.50E+00	1.48E+00	1.49E+01
1.26E+01	3.87E-01	1.03E-04	1.10E-01	1.30E+00	2.18E-01	1.46E+00	1.43E+00	1.46E+01
1.23E+01	3.55E-01	7.73E-05	1.05E-01	1.43E+00	2.07E-01	1.36E+00	1.31E+00	1.45E+01
1.75E+01	7.10E-01	7.58E-05	4.41E-01	2.12E+00	5.53E-01	2.50E+00	2.61E+00	2.12E+01
1.67E+01	6.39E-01	6.50E-05	2.92E-01	1.87E+00	4.49E-01	2.20E+00	2.35E+00	1.98E+01
1.61E+01	5.99E-01	6.25E-05	2.33E-01	1.62E+00	4.00E-01	2.07E+00	2.21E+00	1.88E+01
1.56E+01	5.66E-01	8.93E-05	2.00E-01	1.39E+00	3.62E-01	1.96E+00	2.08E+00	1.79E+01
1.51E+01	5.35E-01	1.28E-04	1.78E-01	1.39E+00	3.31E-01	1.87E+00	1.97E+00	1.74E+01
1.47E+01	5.04E-01	8.47E-05	1.62E-01	1.38E+00	3.02E-01	1.78E+00	1.86E+00	1.70E+01
1.43E+01	4.78E-01	6.56E-05	1.49E-01	1.40E+00	2.78E-01	1.71E+00	1.76E+00	1.66E+01
1.39E+01	4.65E-01	1.41E-04	1.38E-01	1.40E+00	2.62E-01	1.64E+00	1.71E+00	1.61E+01
1.36E+01	4.51E-01	8.63E-05	1.29E-01	1.37E+00	2.48E-01	1.56E+00	1.66E+00	1.57E+01
1.32E+01	4.36E-01	9.77E-05	1.22E-01	1.33E+00	2.37E-01	1.50E+00	1.61E+00	1.52E+01
1.29E+01	4.14E-01	1.05E-04	1.15E-01	1.26E+00	2.29E-01	1.50E+00	1.52E+00	1.49E+01
1.26E+01	3.79E-01	7.97E-05	1.08E-01	1.23E+00	2.16E-01	1.43E+00	1.40E+00	1.46E+01
1.68E+01	6.97E-01	8.90E-05	3.50E-01	1.79E+00	4.78E-01	2.44E+00	2.56E+00	2.00E+01
1.61E+01	6.32E-01	1.01E-04	2.55E-01	1.55E+00	4.22E-01	2.18E+00	2.33E+00	1.88E+01
1.55E+01	5.91E-01	1.54E-04	2.09E-01	1.35E+00	3.81E-01	2.05E+00	2.17E+00	1.79E+01
1.51E+01	5.51E-01	1.08E-04	1.81E-01	1.35E+00	3.45E-01	1.94E+00	2.03E+00	1.74E+01
1.46E+01	5.14E-01	9.12E-05	1.63E-01	1.33E+00	3.13E-01	1.85E+00	1.89E+00	1.69E+01
1.42E+01	4.87E-01	1.62E-04	1.49E-01	1.36E+00	2.90E-01	1.76E+00	1.79E+00	1.65E+01
1.39E+01	4.77E-01	6.53E-05	1.38E-01	1.37E+00	2.73E-01	1.68E+00	1.76E+00	1.60E+01
1.35E+01	4.61E-01	1.27E-04	1.29E-01	1.34E+00	2.59E-01	1.61E+00	1.70E+00	1.56E+01
1.32E+01	4.40E-01	8.31E-05	1.21E-01	1.31E+00	2.48E-01	1.56E+00	1.62E+00	1.52E+01
1.29E+01	4.08E-01	1.15E-04	1.15E-01	1.26E+00	2.31E-01	1.51E+00	1.50E+00	1.49E+01
1.86E+01	8.80E-01	1.11E-04	5.48E-01	1.96E+00	9.61E-01	3.17E+00	3.24E+00	2.29E+01
1.75E+01	7.79E-01	1.18E-04	4.63E-01	1.72E+00	5.74E-01	2.78E+00	2.87E+00	2.10E+01
1.65E+01	6.87E-01	1.77E-04	2.94E-01	1.48E+00	4.40E-01	2.42E+00	2.53E+00	1.93E+01
1.59E+01	6.24E-01	1.52E-04	2.27E-01	1.31E+00	3.95E-01	2.19E+00	2.30E+00	1.83E+01
1.52E+01	5.74E-01	1.29E-04	1.91E-01	1.31E+00	3.54E-01	2.06E+00	2.11E+00	1.76E+01
1.47E+01	5.31E-01	1.63E-04	1.67E-01	1.30E+00	3.21E-01	1.94E+00	1.95E+00	1.70E+01
1.42E+01	5.02E-01	1.22E-04	1.51E-01	1.33E+00	3.00E-01	1.83E+00	1.85E+00	1.65E+01
1.38E+01	4.84E-01	1.04E-04	1.39E-01	1.33E+00	2.85E-01	1.75E+00	1.78E+00	1.60E+01
1.35E+01	4.75E-01	1.36E-04	1.29E-01	1.32E+00	2.69E-01	1.63E+00	1.75E+00	1.56E+01
1.31E+01	4.56E-01	9.39E-05	1.21E-01	1.28E+00	2.57E-01	1.57E+00	1.68E+00	1.51E+01
1.80E+01	8.74E-01	2.28E-04	6.12E-01	1.65E+00	7.30E-01	3.20E+00	3.22E+00	2.18E+01
1.68E+01	7.70E-01	2.26E-04	3.59E-01	1.42E+00	4.93E-01	2.79E+00	2.83E+00	1.98E+01
1.60E+01	6.73E-01	1.82E-04	2.57E-01	1.27E+00	4.07E-01	2.41E+00	2.48E+00	1.85E+01
1.53E+01	5.97E-01	1.22E-04	2.10E-01	1.28E+00	3.59E-01	2.17E+00	2.20E+00	1.77E+01
1.48E+01	5.51E-01	1.39E-04	1.81E-01	1.27E+00	3.29E-01	2.03E+00	2.03E+00	1.71E+01
1.43E+01	5.21E-01	1.58E-04	1.60E-01	1.29E+00	3.09E-01	1.90E+00	1.92E+00	1.65E+01
1.39E+01	5.06E-01	1.23E-04	1.43E-01	1.31E+00	2.87E-01	1.76E+00	1.86E+00	1.60E+01
1.35E+01	4.86E-01	1.67E-04	1.31E-01	1.29E+00	2.76E-01	1.69E+00	1.79E+00	1.56E+01
1.86E+01	9.83E-01	3.54E-04	5.21E-01	1.58E+00	9.35E-01	3.67E+00	3.62E+00	2.27E+01
1.75E+01	8.66E-01	2.36E-04	4.83E-01	1.36E+00	5.88E-01	3.21E+00	3.19E+00	2.08E+01
1.64E+01	7.54E-01	1.39E-04	3.02E-01	1.24E+00	4.41E-01	2.77E+00	2.78E+00	1.91E+01
1.56E+01	6.52E-01	1.76E-04	2.36E-01	1.25E+00	3.66E-01	2.37E+00	2.40E+00	1.80E+01
1.50E+01	5.76E-01	1.79E-04	1.98E-01	1.24E+00	3.37E-01	2.10E+00	2.12E+00	1.73E+01
1.45E+01	5.39E-01	2.25E-04	1.68E-01	1.27E+00	3.07E-01	1.92E+00	1.99E+00	1.67E+01
1.39E+01	5.15E-01	1.86E-04	1.53E-01	1.27E+00	2.96E-01	1.86E+00	1.90E+00	1.61E+01
1.41E+01	6.78E-01	1.20E-04	2.90E-01	1.07E+00	3.83E-01	2.58E+00	2.50E+00	1.66E+01
1.34E+01	6.28E-01	1.06E-04	2.33E-01	1.05E+00	3.41E-01	2.35E+00	2.31E+00	1.57E+01
1.29E+01	5.66E-01	9.19E-05	2.02E-01	1.02E+00	3.11E-01	2.12E+00	2.08E+00	1.51E+01
1.25E+01	5.12E-01	8.59E-05	1.81E-01	9.75E-01	2.80E-01	1.92E+00	1.88E+00	1.45E+01
1.21E+01	4.83E-01	8.64E-05	1.68E-01	9.23E-01	2.57E-01	1.80E+00	1.78E+00	1.40E+01
1.18E+01	4.53E-01	8.60E-05	1.46E-01	8.63E-01	2.33E-01	1.69E+00	1.67E+00	1.35E+01

1308	490758.06	3859590.74	1.12321	0.92291	3.34042	2.40637	2.0495	1.53514	0.9225	0.92291	1.15E+01	4.15E-01	8.47E-05	1.25E-01	9.44E-01	2.12E-01	1.59E+00	1.53E+00	1.33E+01
1309	490808.06	3859590.74	1.09609	0.86737	3.27099	2.05529	2.22929	1.43517	0.87798	0.86737	1.12E+01	3.90E-01	8.30E-05	1.06E-01	1.03E+00	1.98E-01	1.52E+00	1.44E+00	1.30E+01
1310	490858.06	3859590.74	1.07199	0.81403	3.17676	1.79455	2.39588	1.34176	0.83315	0.81403	1.10E+01	3.66E-01	8.06E-05	9.29E-02	1.10E+00	1.86E-01	1.44E+00	1.35E+00	1.28E+01
1311	490458.06	3859640.74	1.58103	2.22599	4.64499	11.86502	2.26657	4.01725	2.26815	2.22599	1.62E+01	1.00E+00	1.18E-04	6.14E-01	1.04E+00	5.55E-01	3.92E+00	3.69E+00	1.97E+01
1312	490508.06	3859640.74	1.44323	1.74713	4.51282	7.66116	2.26338	3.13924	1.8224	1.74713	1.48E+01	7.86E-01	1.14E-04	3.97E-01	1.04E+00	4.34E-01	3.15E+00	2.89E+00	1.77E+01
1313	490558.06	3859640.74	1.35375	1.56207	4.22258	5.59383	2.22933	2.74981	1.5789	1.56207	1.39E+01	7.03E-01	1.07E-04	2.90E-01	1.03E+00	3.80E-01	2.73E+00	2.59E+00	1.64E+01
1314	490608.06	3859640.74	1.29125	1.38953	3.89071	4.55175	2.17269	2.44393	1.41636	1.38953	1.32E+01	6.25E-01	9.87E-05	2.36E-01	1.00E+00	3.38E-01	2.45E+00	2.30E+00	1.56E+01
1315	490658.06	3859640.74	1.24264	1.25574	3.52909	4.07713	2.09167	2.18756	1.26468	1.25574	1.27E+01	5.65E-01	8.95E-05	2.11E-01	9.64E-01	3.02E-01	2.18E+00	2.08E+00	1.49E+01
1316	490708.06	3859640.74	1.20113	1.13469	3.16898	3.7096	1.98538	1.98492	1.14715	1.13469	1.23E+01	5.11E-01	8.04E-05	1.92E-01	9.15E-01	2.74E-01	1.98E+00	1.88E+00	1.43E+01
1317	490758.06	3859640.74	1.16615	1.02974	2.89381	3.20398	1.86358	1.76469	1.04464	1.02974	1.20E+01	4.63E-01	7.34E-05	1.66E-01	8.59E-01	2.44E-01	1.80E+00	1.71E+00	1.38E+01
1318	490808.06	3859640.74	1.13251	0.96335	2.84855	2.82181	1.92809	1.64052	0.98829	0.96335	1.16E+01	4.34E-01	7.23E-05	1.46E-01	8.89E-01	2.27E-01	1.71E+00	1.60E+00	1.34E+01
1319	490858.06	3859640.74	1.10194	0.91834	2.85657	2.45227	2.10376	1.53648	0.9388	0.91834	1.13E+01	4.13E-01	7.25E-05	1.27E-01	9.69E-01	2.12E-01	1.62E+00	1.52E+00	1.31E+01
1320	490608.06	3859690.74	1.43653	1.77863	3.69403	7.61428	2.19377	3.14267	1.80485	1.77863	1.47E+01	8.00E-01	9.37E-05	3.94E-01	1.01E+00	4.34E-01	3.12E+00	2.95E+00	1.75E+01
1321	490658.06	3859690.74	1.34366	1.53293	3.58566	5.48775	2.1445	2.71522	1.57188	1.53293	1.38E+01	6.90E-01	9.10E-05	2.84E-01	9.88E-01	3.75E-01	2.71E+00	2.54E+00	1.63E+01
1322	490708.06	3859690.74	1.27799	1.40086	3.41284	4.69332	2.06686	2.37282	1.42626	1.40086	1.31E+01	6.30E-01	8.66E-05	2.43E-01	9.52E-01	3.28E-01	2.46E+00	2.32E+00	1.54E+01
1323	490758.06	3859690.74	1.228	1.21178	3.19555	4.12034	1.96908	2.10293	1.24569	1.21178	1.26E+01	5.45E-01	8.11E-05	2.13E-01	9.07E-01	2.91E-01	2.15E+00	2.01E+00	1.47E+01
1324	490808.06	3859690.74	1.1851	1.08621	2.96225	3.63198	1.84971	1.91571	1.15393	1.08621	1.22E+01	4.89E-01	7.51E-05	1.88E-01	8.52E-01	2.65E-01	1.99E+00	1.80E+00	1.41E+01
1325	490858.06	3859690.74	1.14396	1.03437	2.74113	3.32247	1.80891	1.80027	1.10662	1.03437	1.17E+01	4.66E-01	6.95E-05	1.72E-01	8.34E-01	2.49E-01	1.91E+00	1.71E+00	1.36E+01
1326	490708.06	3859740.74	1.43262	1.71866	2.97934	7.47089	2.11042	3.13848	1.78039	1.71866	1.47E+01	7.73E-01	7.56E-05	3.87E-01	9.73E-01	4.34E-01	3.07E+00	2.85E+00	1.75E+01
1327	490758.06	3859740.74	1.33079	1.58202	2.97436	5.66429	2.03172	2.78043	1.62194	1.58202	1.36E+01	7.12E-01	7.55E-05	2.93E-01	9.36E-01	3.84E-01	2.80E+00	2.62E+00	1.62E+01
1328	490808.06	3859740.74	1.26052	1.4269	2.91354	4.9079	1.93579	2.45327	1.46307	1.4269	1.29E+01	6.42E-01	7.39E-05	2.54E-01	8.92E-01	3.39E-01	2.53E+00	2.36E+00	1.52E+01
1329	490858.06	3859740.74	1.20505	1.3083	2.81364	4.56278	1.82021	2.20267	1.36322	1.3083	1.24E+01	5.89E-01	7.14E-05	2.36E-01	8.39E-01	3.05E-01	2.35E+00	2.17E+00	1.45E+01
1330	490786.56	3859749.39	1.31028	1.5579	2.87099	5.50937	1.98948	2.7156	1.59822	1.5579	1.34E+01	7.01E-01	7.28E-05	2.85E-01	9.17E-01	3.75E-01	2.76E+00	2.58E+00	1.59E+01
1331	490836.56	3859749.39	1.24374	1.40933	2.81434	4.86017	1.88714	2.40829	1.45136	1.40933	1.28E+01	6.34E-01	7.14E-05	2.52E-01	8.70E-01	3.33E-01	2.51E+00	2.34E+00	1.50E+01
1332	490786.56	3859799.39	1.54215	2.20982	2.57562	11.66666	2.03259	3.83548	2.26775	2.20982	1.58E+01	9.95E-01	6.53E-05	6.04E-01	9.37E-01	5.30E-01	3.92E+00	3.66E+00	1.91E+01
1333	490836.56	3859799.39	1.39271	1.84259	2.5241	7.20036	1.95674	3.09557	1.89454	1.84259	1.43E+01	8.29E-01	6.40E-05	3.73E-01	9.02E-01	4.28E-01	3.27E+00	3.05E+00	1.70E+01
1334	492307.84	3854508.36	0.42789	0.18744	0.3901	0.23259	1.86536	0.19648	0.24814	0.18744	4.39E+00	8.44E-02	9.90E-06	1.20E-02	8.60E-01	2.72E-02	4.28E-01	3.11E-01	5.49E+00
1335	486445.7	3854753.6	1.06855	0.5269	0.7143	0.5058	1.85037	0.29656	0.53693	0.5269	1.10E+01	2.37E-01	1.81E-05	2.62E-02	8.53E-01	4.10E-02	9.27E-01	8.73E-01	1.22E+01
1336	472599.75	3877830.11	0.07973	0.04968	0.0726	0.06526	0.22206	0.08643	0.0499	0.04968	8.18E-01	2.24E-02	1.84E-06	3.38E-03	1.02E-01	1.19E-02	8.62E-02	8.23E-02	9.61E-01
1337	493107.48	3866840.19	0.75303	0.22097	0.16994	0.26389	1.19741	0.27995	0.18935	0.22097	7.72E+00	9.94E-02	4.31E-06	1.37E-02	5.52E-01	3.87E-02	3.27E-01	3.66E-01	8.39E+00
1338	495815.79	3861662.87	0.39456	0.90964	0.57557	0.5105	1.25504	0.92532	0.91057	0.90964	4.05E+00	4.09E-01	1.46E-05	2.64E-02	5.78E-01	1.28E-01	1.57E+00	1.51E+00	5.25E+00
1339	480272.33	3841389.2	0.15607	0.03797	0.05797	0.0535	0.13157	0.08738	0.03937	0.03797	1.60E+00	1.71E-02	1.47E-06	2.77E-03	6.06E-02	1.21E-02	6.80E-02	6.29E-02	1.70E+00
1340	497005.18	3862813.64	0.40588	1.11221	0.53827	0.38568	1.03982	0.415	1.13868	1.11221	4.16E+00	5.01E-01	1.37E-05	2.00E-02	4.79E-01	5.74E-02	1.97E+00	1.84E+00	5.34E+00
1341	493677.33	3860302.55	0.54002	0.44759	1.07685	0.84437	1.84177	1.00767	0.46651	0.44759	5.54E+00	2.01E-01	2.73E-05	4.37E-02	8.49E-01	1.39E-01	8.05E-01	7.42E-01	6.83E+00
1342	493727.33	3860302.55	0.53887	0.44301	1.07358	0.81667	1.77304	0.9912	0.46001	0.44301	5.53E+00	1.99E-01	2.72E-05	4.23E-02	8.17E-01	1.37E-01	7.94E-01	7.34E-01	6.78E+00
1343	493777.33	3860302.55	0.5383	0.43691	1.06794	0.79322	1.70277	0.96921	0.45263	0.43691	5.52E+00	1.97E-01	2.71E-05	4.11E-02	7.85E-01	1.34E-01	7.81E-01	7.24E-01	6.73E+00
1344	493827.33	3860302.55	0.53783	0.42926	1.06036	0.78083	1.63054	0.94556	0.44346	0.42926	5.51E+00	1.93E-01	2.69E-05	4.04E-02	7.51E-01	1.31E-01	7.66E-01	7.11E-01	6.69E+00
1345	493877.33	3860302.55	0.53632	0.42492	1.05203	0.77322	1.55431	0.93067	0.4377	0.42492	5.50E+00	1.91E-01	2.67E-05	4.00E-02	7.16E-01	1.29E-01	7.56E-01	7.04E-01	6.63E+00
1346	493927.33	3860302.55	0.53428	0.42198	1.04266	0.76156	1.47587	0.91796	0.43341	0.42198	5.48E+00	1.90E-01	2.65E-05	3.94E-02	6.80E-01	1.27E-01	7.48E-01	6.99E-01	6.56E+00
1347	493977.33	3860302.55	0.53669	0.41192	1.02701	0.77148	1.40701	0.8606	0.42221	0.41192	5.50E+00	1.85E-01	2.61E-05	3.99E-02	6.48E-01	1.19E-01	7.29E-01	6.83E-01	6.54E+00
1348	494027.33	3860302.55	0.53694	0.40545	1.01174	0.77112	1.33296	0.82635	0.41475	0.40545	5.51E+00	1.82E-01	2.57E-05	3.99E-02	6.14E-01	1.14E-01	7.16E-01	6.72E-01	6.50E+00
1349	493677.33	3860352.55	0.51489	0.4352	1.01699	0.91894	1.91612	1.07901	0.45871	0.4352	5.28E+00	1.96E-01	2.58E-05	4.76E-02	8.83E-01	1.49E-01	7.92E-01	7.21E-01	6.63E+00
1350	493727.33	3860352.55	0.50995	0.43164	1.02334	0.88429	1.85383	1.06881	0.45222	0.43164	5.23E+00	1.94E-01	2.60E-05	4.58E-02	8.54E-01	1.48E-01	7.81E-01	7.15E-01	6.54E+00
1351	493777.33	3860352.55	0.50826	0.42728	1.02726	0.85117	1.78787	1.05688	0.44527	0.42728	5.21E+00	1.92E-01	2.61E-05	4.41E-02	8.24E-01	1.46E-01	7.69E-01	7.08E-01	6.48E+00
1352	493827.33	3860352.55	0.50729	0.42344	1.02884	0.82084	1.72125	1.03751	0.43986	0.42344	5.20E+00	1.91E-01	2.61E-05	4.25E-02	7.93E-01	1.43E-01	7.59E-01	7.02E-01	6.43E+00
1353	493877.33	3860352.55	0.50705	0.41886	1.02842	0.79418	1.65401	1.00848	0.43445	0.41886	5.20E+00	1.89E-01	2.61E-05	4.11E-02	7.62E-01	1.39E-01	7.50E-01	6.94E-01	6.39E+00
1354	493927.33	3860352.55	0.5079	0.41258	1.02574	0.79508	1.58737	0.96624	0.42658	0.41258	5.21E+00	1.86E-01	2.60E-05	4.12E-02	7.32E-01	1.34E-01	7.36E-01	6.84E-01	6.35E+00
1355	493977.33	3860352.55	0.50948	0.401	1.02048	0.78528	1.52065	0.91389	0.41404	0.401	5.22E+00	1.80E-01	2.59E-05	4.07E-02	7.01E-01	1.26E-01	7.15E-01	6.64E-01	6.32E+00
1356	494027.33	3860352.55	0.50851	0.39682	1.01545	0.76095	1.44622	0.89005	0.4084	0.39682	5.21E+00	1.79E-01	2.58E-05	3.94E-02	6.66E-01	1.23E-01	7.05E-01	6.58E-01	6.27E+00
1357	493677.33	3860402.55	0.51685	0.44748	0.93763	0.98734	1.9707	1.14606	0.4543	0.44748	5.30E+00	2.01E-01	2.38E-05	5.11E-02	9.08E-01	1.58E-01	7.84E-01	7.41E-01	6.66E+00
1358	493727.33	3860402.55	0.51042	0.43615	0.9433	0.95654	1.91057	1.12572	0.44689	0.43615	5.23E+00	1.96E-01	2.39E-05	4.95E-02	8.80E-01	1.56E-01	7.72E-01	7.23E-01	6.56E+00
1359	493777.33	3860402.55	0.50727	0.42459	0.95138	0.93442	1.86536	1.10605	0.44115	0.42459	5.20E+00	1.91E-01	2.41E-05	4.84E-02	8.60E-01	1.53E-01	7.62E-01	7.04E-01	6.51E+00
1360	493827.33	3860402.55	0.50014	0.41244	0.96168	0.90252	1.80169	1.09204	0.43446	0.41244	5.13E+00	1.86E-01	2.44E-05	4.67E-02	8.30E-01	1.51E-01	7.50E-01	6.83E-01	6.41E+00
1361	493877.33	3860402.55	0.49436	0.40769	0.96882	0.8736	1.73824	1.07189	0.42742	0.40769	5.07E+00	1.83E-01	2.46E-05	4.52E-02	8.01E-01	1.48E-01	7.38E-01	6.76E-01	6.31E+00
1362	493927.33	3860402.55	0.49135	0.40338	0.97371	0.84839	1.68074	1.04175	0.42114	0.40338	5.04E+00	1.82E-01	2.47E-05	4.39E-02	7.75E-01	1.44E-01	7.27E-01	6.68E-01	6.24E+00
1363	493977.33	3860402.55	0.48937	0.39532	0.97598	0.85256	1.62243	0.97994	0.41091	0.39532	5.02E+00	1.78E-01	2.48E-05	4.41E-02	7.48E-01	1.35E-01	7.09E-01	6.55E-01	6.18E+00
1364	494027.33	3860402.55	0.48344	0.39204	0.97945	0.81892	1.55034	0.96183	0.4069	0.39204	4.96E+00	1.76E-01	2.48E-05	4.24E-02	7.14E-01	1.33E-01	7.03E-01	6.50E-01	6.08E+00

1365	493677.33	3860452.55	0.52109	0.47123	0.9688	0.96757	2.0517	1.32161	0.46602	0.47123	5.34E+00	2.12E-01	2.46E-05	5.01E-02	9.46E-01	1.83E-01	8.05E-01	7.81E-01	6.76E+00
1366	493727.33	3860452.55	0.51259	0.46294	0.94298	0.94955	1.97505	1.30921	0.45714	0.46294	5.26E+00	2.08E-01	2.39E-05	4.92E-02	9.10E-01	1.81E-01	7.89E-01	7.67E-01	6.63E+00
1367	493777.33	3860452.55	0.50663	0.45128	0.92847	0.93375	1.9043	1.27728	0.44485	0.45128	5.19E+00	2.03E-01	2.36E-05	4.83E-02	8.78E-01	1.77E-01	7.68E-01	7.48E-01	6.52E+00
1368	493827.33	3860452.55	0.50272	0.43675	0.92181	0.91862	1.85984	1.23014	0.43082	0.43675	5.15E+00	1.97E-01	2.34E-05	4.76E-02	8.57E-01	1.70E-01	7.44E-01	7.24E-01	6.45E+00
1369	493877.33	3860452.55	0.49831	0.42394	0.91136	0.90483	1.81091	1.17665	0.42526	0.42394	5.11E+00	1.91E-01	2.31E-05	4.68E-02	8.35E-01	1.63E-01	7.34E-01	7.02E-01	6.38E+00
1370	493927.33	3860452.55	0.49638	0.41389	0.89335	0.90718	1.7657	1.11736	0.41905	0.41389	5.09E+00	1.86E-01	2.27E-05	4.70E-02	8.14E-01	1.54E-01	7.23E-01	6.86E-01	6.33E+00
1371	493977.33	3860452.55	0.49109	0.40531	0.90419	0.88284	1.70454	1.08548	0.41283	0.40531	5.04E+00	1.82E-01	2.29E-05	4.57E-02	7.86E-01	1.50E-01	7.13E-01	6.72E-01	6.24E+00
1372	494027.33	3860452.55	0.48576	0.39686	0.91352	0.85856	1.64036	1.05308	0.40664	0.39686	4.98E+00	1.79E-01	2.32E-05	4.44E-02	7.56E-01	1.46E-01	7.02E-01	6.58E-01	6.15E+00
1373	493677.33	3860502.55	0.52489	0.49001	0.96415	0.89303	2.11066	1.64865	0.48708	0.49001	5.38E+00	2.21E-01	2.45E-05	4.62E-02	9.73E-01	2.28E-01	8.41E-01	8.12E-01	6.88E+00
1374	493727.33	3860502.55	0.51701	0.48105	0.94751	0.89365	2.04669	1.52006	0.47751	0.48105	5.30E+00	2.16E-01	2.40E-05	4.63E-02	9.43E-01	2.10E-01	8.24E-01	7.97E-01	6.74E+00
1375	493777.33	3860502.55	0.51087	0.46946	0.93812	0.89188	1.98397	1.40742	0.46535	0.46946	5.24E+00	2.11E-01	2.38E-05	4.62E-02	9.14E-01	1.95E-01	8.03E-01	7.78E-01	6.63E+00
1376	493827.33	3860502.55	0.50514	0.45785	0.92865	0.88746	1.91912	1.36293	0.45321	0.45785	5.18E+00	2.06E-01	2.36E-05	4.59E-02	8.84E-01	1.88E-01	7.82E-01	7.59E-01	6.53E+00
1377	493877.33	3860502.55	0.50122	0.44391	0.92597	0.88127	1.86035	1.31857	0.43866	0.44391	5.14E+00	2.00E-01	2.35E-05	4.56E-02	8.57E-01	1.82E-01	7.57E-01	7.36E-01	6.45E+00
1378	493927.33	3860502.55	0.49833	0.42962	0.92525	0.879	1.82255	1.27083	0.42408	0.42962	5.11E+00	1.93E-01	2.35E-05	4.55E-02	8.40E-01	1.76E-01	7.32E-01	7.12E-01	6.38E+00
1379	493977.33	3860502.55	0.49246	0.42046	0.9102	0.8666	1.76849	1.2305	0.41411	0.42046	5.05E+00	1.89E-01	2.31E-05	4.49E-02	8.15E-01	1.70E-01	7.15E-01	6.97E-01	6.29E+00
1380	494027.33	3860502.55	0.48763	0.41069	0.89816	0.85609	1.71395	1.18211	0.40594	0.41069	5.00E+00	1.85E-01	2.28E-05	4.43E-02	7.90E-01	1.63E-01	7.01E-01	6.80E-01	6.20E+00
1381	493627.33	3860552.55	0.53644	0.5169	0.9327	0.98383	2.18981	2.3443	0.51686	0.5169	5.50E+00	2.33E-01	2.37E-05	5.09E-02	1.01E+00	3.24E-01	8.92E-01	8.56E-01	7.15E+00
1382	493677.33	3860552.55	0.52783	0.50858	0.92507	0.94892	2.14128	2.19051	0.50785	0.50858	5.41E+00	2.29E-01	2.35E-05	4.91E-02	9.87E-01	3.03E-01	8.77E-01	8.43E-01	7.01E+00
1383	493727.33	3860552.55	0.52008	0.49953	0.91892	0.91356	2.08994	2.01352	0.49851	0.49953	5.33E+00	2.25E-01	2.33E-05	4.73E-02	9.63E-01	2.78E-01	8.61E-01	8.28E-01	6.88E+00
1384	493777.33	3860552.55	0.51426	0.48683	0.91944	0.88073	2.04038	1.82377	0.4852	0.48683	5.27E+00	2.19E-01	2.33E-05	4.56E-02	9.40E-01	2.52E-01	8.38E-01	8.07E-01	6.76E+00
1385	493827.33	3860552.55	0.50982	0.47164	0.92369	0.84915	1.99167	1.63847	0.46945	0.47164	5.23E+00	2.12E-01	2.34E-05	4.40E-02	9.18E-01	2.27E-01	8.11E-01	7.81E-01	6.66E+00
1386	493877.33	3860552.55	0.50337	0.4619	0.91547	0.8157	1.9285	1.49463	0.45905	0.4619	5.16E+00	2.08E-01	2.32E-05	4.22E-02	8.89E-01	2.07E-01	7.93E-01	7.65E-01	6.53E+00
1387	493927.33	3860552.55	0.49919	0.44837	0.91564	0.81301	1.87042	1.41786	0.44498	0.44837	5.12E+00	2.02E-01	2.32E-05	4.21E-02	8.62E-01	1.96E-01	7.68E-01	7.43E-01	6.45E+00
1388	493977.33	3860552.55	0.49559	0.43557	0.91642	0.8148	1.81922	1.34563	0.43151	0.43557	5.08E+00	1.96E-01	2.32E-05	4.22E-02	8.38E-01	1.86E-01	7.45E-01	7.22E-01	6.37E+00
1389	494027.33	3860552.55	0.48991	0.42652	0.90542	0.81329	1.77116	1.29362	0.42158	0.42652	5.02E+00	1.92E-01	2.30E-05	4.21E-02	8.16E-01	1.79E-01	7.28E-01	7.07E-01	6.27E+00
1390	493627.33	3860602.55	0.54259	0.52601	0.89227	0.99516	2.19274	3.16197	0.52827	0.52601	5.56E+00	2.37E-01	2.26E-05	5.15E-02	1.01E+00	4.37E-01	9.12E-01	8.72E-01	7.34E+00
1391	493727.33	3860602.55	0.52362	0.51714	0.85976	0.94539	2.10904	2.61986	0.51842	0.51714	5.37E+00	2.33E-01	2.18E-05	4.89E-02	9.72E-01	3.62E-01	8.95E-01	8.57E-01	7.02E+00
1392	493777.33	3860602.55	0.51897	0.49921	0.88167	0.92705	2.0795	2.42268	0.50037	0.49921	5.32E+00	2.25E-01	2.24E-05	4.80E-02	9.58E-01	3.35E-01	8.64E-01	8.27E-01	6.92E+00
1393	493827.33	3860602.55	0.5127	0.48759	0.88544	0.90138	2.03498	2.19647	0.4885	0.48759	5.26E+00	2.19E-01	2.25E-05	4.67E-02	9.38E-01	3.04E-01	8.43E-01	8.08E-01	6.80E+00
1394	493877.33	3860602.55	0.5083	0.47249	0.89459	0.87748	1.99181	1.96862	0.47184	0.47249	5.21E+00	2.13E-01	2.27E-05	4.54E-02	9.18E-01	2.72E-01	8.15E-01	7.83E-01	6.69E+00
1395	493927.33	3860602.55	0.50316	0.46036	0.8976	0.84998	1.94001	1.76569	0.4592	0.46036	5.16E+00	2.07E-01	2.28E-05	4.40E-02	8.94E-01	2.44E-01	7.93E-01	7.63E-01	6.58E+00
1396	493977.33	3860602.55	0.49856	0.44818	0.90047	0.82227	1.88513	1.57855	0.44675	0.44818	5.11E+00	2.02E-01	2.28E-05	4.26E-02	8.69E-01	2.18E-01	7.71E-01	7.43E-01	6.47E+00
1397	494027.33	3860602.55	0.49218	0.44021	0.89239	0.79277	1.81861	1.4827	0.43793	0.44021	5.05E+00	1.98E-01	2.26E-05	4.10E-02	8.38E-01	2.05E-01	7.56E-01	7.29E-01	6.36E+00
1398	493627.33	3860652.55	0.54976	0.54053	0.90588	0.93361	2.16951	4.91478	0.53672	0.54053	5.64E+00	2.43E-01	2.30E-05	4.83E-02	1.00E+00	6.79E-01	9.27E-01	8.96E-01	7.64E+00
1399	493727.33	3860652.55	0.52986	0.53078	0.85615	0.92461	2.11346	3.60916	0.5297	0.53078	5.43E+00	2.39E-01	2.17E-05	4.79E-02	9.74E-01	4.99E-01	9.15E-01	8.79E-01	7.23E+00
1400	493777.33	3860652.55	0.52367	0.51624	0.84523	0.91975	2.09215	3.23548	0.51427	0.51624	5.37E+00	2.32E-01	2.14E-05	4.76E-02	9.64E-01	4.47E-01	8.88E-01	8.55E-01	7.09E+00
1401	493827.33	3860652.55	0.51797	0.50266	0.83309	0.91067	2.06457	2.92914	0.49968	0.50266	5.31E+00	2.26E-01	2.11E-05	4.71E-02	9.51E-01	4.05E-01	8.63E-01	8.33E-01	6.97E+00
1402	493877.33	3860652.55	0.51315	0.4869	0.84828	0.89991	2.03292	2.66546	0.48345	0.4869	5.26E+00	2.19E-01	2.15E-05	4.66E-02	9.37E-01	3.69E-01	8.35E-01	8.07E-01	6.86E+00
1403	493927.33	3860652.55	0.50725	0.47569	0.85674	0.88225	1.98982	2.38529	0.47154	0.47569	5.20E+00	2.14E-01	2.17E-05	4.57E-02	9.17E-01	3.30E-01	8.14E-01	7.88E-01	6.73E+00
1404	493977.33	3860652.55	0.50152	0.46581	0.86186	0.86179	1.94033	2.14101	0.46037	0.46581	5.14E+00	2.10E-01	2.19E-05	4.46E-02	8.94E-01	2.96E-01	7.95E-01	7.72E-01	6.61E+00
1405	494027.33	3860652.55	0.49722	0.45116	0.87059	0.84156	1.89233	1.90374	0.44736	0.45116	5.10E+00	2.03E-01	2.21E-05	4.36E-02	8.72E-01	2.63E-01	7.72E-01	7.48E-01	6.51E+00
1406	494311.06	3858401.99	0.55641	0.11631	0.24458	0.33984	1.54229	0.264	0.12024	0.11631	5.71E+00	5.23E-02	6.20E-06	1.76E-02	7.11E-01	3.65E-02	2.08E-01	1.93E-01	6.54E+00
1407	494361.06	3858401.99	0.55082	0.11713	0.24144	0.33723	1.52539	0.26214	0.11934	0.11713	5.65E+00	5.27E-02	6.12E-06	1.75E-02	7.03E-01	3.62E-02	2.06E-01	1.94E-01	6.47E+00
1408	494411.06	3858401.99	0.54664	0.11787	0.23844	0.33639	1.50799	0.266	0.11919	0.11787	5.61E+00	5.30E-02	6.05E-06	1.74E-02	6.95E-01	3.68E-02	2.06E-01	1.95E-01	6.42E+00
1409	494461.06	3858401.99	0.54394	0.11854	0.23555	0.33747	1.49034	0.27041	0.11987	0.11854	5.58E+00	5.33E-02	5.98E-06	1.75E-02	6.87E-01	3.74E-02	2.07E-01	1.96E-01	6.38E+00
1410	494511.06	3858401.99	0.53958	0.11912	0.23209	0.33592	1.47176	0.27592	0.11971	0.11912	5.53E+00	5.36E-02	5.89E-06	1.74E-02	6.78E-01	3.81E-02	2.07E-01	1.97E-01	6.33E+00
1411	494561.06	3858401.99	0.53681	0.11961	0.22877	0.3364	1.45294	0.28068	0.1203	0.11961	5.50E+00	5.38E-02	5.80E-06	1.74E-02	6.70E-01	3.88E-02	2.08E-01	1.98E-01	6.29E+00
1412	494611.06	3858401.99	0.35173	0.12001	0.22502	0.33428	1.43327	0.28657	0.12041	0.12001	3.61E+00	5.40E-02	5.71E-06	1.73E-02	6.61E-01	3.96E-02	2.08E-01	1.99E-01	4.39E+00
1413	494661.06	3858401.99	0.35094	0.12032	0.15892	0.33258	0.7519	0.2927	0.12064	0.12032	3.60E+00	5.41E-02	4.03E-06	1.72E-02	3.47E-01	4.05E-02	2.08E-01	1.99E-01	4.07E+00
1414	494711.06	3858401.99	0.34999	0.12053	0.15177	0.32867	0.73556	0.29939	0.12078	0.12053	3.59E+00	5.42E-02	3.85E-06	1.70E-02	3.39E-01	4.14E-02	2.09E-01	2.00E-01	4.05E+00
1415	494761.06	3858401.99	0.34926	0.12066	0.15239	0.32717	0.72992	0.30563	0.12085	0.12066	3.58E+00	5.43E-02	3.87E-06	1.69E-02	3.36E-01	4.23E-02	2.09E-01	2.00E-01	4.04E+00
1416	494811.06	3858401.99	0.34841	0.1207	0.15219	0.32397	0.71845	0.31284	0.12082	0.1207	3.57E+00	5.43E-02	3.86E-06	1.68E-02	3.31E-01	4.33E-02	2.09E-01	2.00E-01	4.03E+00
1417	494861.06	3858401.99	0.34757	0.12065	0.15188	0.32095	0.7086	0.32014	0.12071	0.12065	3.56E+00	5.43E-02	3.85E-06	1.66E-02	3.27E-01	4.43E-02	2.08E-01	2.00E-01	4.01E+00
1418	494911.06	3858401.99	0.34674	0.12051	0.15131	0.3177	0.69872	0.32803	0.12052	0.12051	3.56E+00	5.42E-02	3.84E-06	1.64E-02	3.22E-01	4.54E-02	2.08E-01	2.00E-01	4.00E+00
1419	494961.06	3858401.99	0.3459	0.12028	0.15041	0.31398	0.68792	0.3361	0.12024	0.12028	3.55E+00	5.41E-02	3.82E-06	1.63E-02	3.17E-01	4.65E-02	2.08E-01	1.99E-01	3.99E+00
1420	495011.06	3858401.99	0.34494	0.11995	0.14883	0.30889	0.67301	0.34525	0.12004	0.11995	3.54E+00	5.40E-02	3.78E-06	1.60E-02	3.10E-01	4.77E-02	2.07E-01	1.99E-01	3.97E+00
1421	495061.06	3858401.99	0.34406	0.11954	0.14745	0.3047	0.66216	0.35453	0.11943	0.11954	3.53E+00	5.38E-02	3.74E-06	1.58E-02	3.05E-01	4.90E-02	2.06E-01	1.98E-01	3.96E+00

1422	495111.06	3858401.99	0.34292	0.11904	0.14456	0.29698	0.63829	0.36763	0.11888	0.11904	3.52E+00	5.36E-02	3.67E-06	1.54E-02	2.94E-01	5.08E-02	2.05E-01	1.97E-01	3.94E+00
1423	495161.06	3858401.99	0.34224	0.11848	0.14372	0.29491	0.6358	0.38014	0.11843	0.11848	3.51E+00	5.33E-02	3.65E-06	1.53E-02	2.93E-01	5.26E-02	2.04E-01	1.96E-01	3.93E+00
1424	495211.06	3858401.99	0.34114	0.11794	0.14082	0.28799	0.61574	0.40023	0.11759	0.11794	3.50E+00	5.31E-02	3.57E-06	1.49E-02	2.84E-01	5.53E-02	2.03E-01	1.95E-01	3.91E+00
1425	495261.06	3858401.99	0.34026	0.11708	0.13884	0.28373	0.60578	0.41557	0.11683	0.11708	3.49E+00	5.27E-02	3.52E-06	1.47E-02	2.79E-01	5.75E-02	2.02E-01	1.94E-01	3.90E+00
1426	495311.06	3858401.99	0.33937	0.11627	0.13662	0.27923	0.5952	0.43104	0.116	0.11627	3.48E+00	5.23E-02	3.47E-06	1.45E-02	2.74E-01	5.96E-02	2.00E-01	1.93E-01	3.89E+00
1427	495361.06	3858401.99	0.33856	0.11539	0.13467	0.27568	0.58821	0.44386	0.11509	0.11539	3.47E+00	5.19E-02	3.42E-06	1.43E-02	2.71E-01	6.14E-02	1.99E-01	1.91E-01	3.88E+00
1428	495411.06	3858401.99	0.33782	0.11444	0.13434	0.27303	0.58449	0.45374	0.11413	0.11444	3.46E+00	5.15E-02	3.41E-06	1.41E-02	2.69E-01	6.27E-02	1.97E-01	1.90E-01	3.87E+00
1429	495461.06	3858401.99	0.33711	0.11343	0.13579	0.27065	0.58179	0.46219	0.11309	0.11343	3.46E+00	5.10E-02	3.44E-06	1.40E-02	2.68E-01	6.39E-02	1.95E-01	1.88E-01	3.86E+00
1430	495511.06	3858401.99	0.33638	0.11257	0.13701	0.26792	0.57765	0.47138	0.1121	0.11257	3.45E+00	5.07E-02	3.48E-06	1.39E-02	2.66E-01	6.52E-02	1.94E-01	1.87E-01	3.85E+00
1431	495561.06	3858401.99	0.33567	0.11122	0.13813	0.26371	0.55635	0.47959	0.11084	0.11122	3.44E+00	5.01E-02	3.50E-06	1.37E-02	2.56E-01	6.63E-02	1.91E-01	1.84E-01	3.84E+00
1432	495611.06	3858401.99	0.33492	0.11002	0.13914	0.26119	0.55157	0.49676	0.10962	0.11002	3.43E+00	4.95E-02	3.53E-06	1.35E-02	2.54E-01	6.87E-02	1.89E-01	1.82E-01	3.83E+00
1433	495661.06	3858401.99	0.33416	0.10876	0.14012	0.26045	0.56646	0.51744	0.10835	0.10876	3.43E+00	4.89E-02	3.55E-06	1.35E-02	2.61E-01	7.15E-02	1.87E-01	1.80E-01	3.83E+00
1434	494311.06	3858451.99	0.57067	0.11403	0.24003	0.32324	1.58685	0.26365	0.1225	0.11403	5.85E+00	5.13E-02	6.09E-06	1.67E-02	7.31E-01	3.65E-02	2.11E-01	1.89E-01	6.71E+00
1435	494361.06	3858451.99	0.56579	0.115	0.23564	0.3222	1.57466	0.26345	0.12238	0.115	5.80E+00	5.18E-02	5.98E-06	1.67E-02	7.26E-01	3.64E-02	2.11E-01	1.91E-01	6.65E+00
1436	494411.06	3858451.99	0.56143	0.11609	0.23104	0.32175	1.56181	0.26862	0.12248	0.11609	5.76E+00	5.22E-02	5.86E-06	1.67E-02	7.20E-01	3.71E-02	2.11E-01	1.92E-01	6.60E+00
1437	494461.06	3858451.99	0.55743	0.11672	0.22663	0.32177	1.54824	0.27374	0.12272	0.11672	5.72E+00	5.25E-02	5.75E-06	1.67E-02	7.13E-01	3.78E-02	2.12E-01	1.93E-01	6.55E+00
1438	494511.06	3858451.99	0.55439	0.11747	0.22236	0.32314	1.53404	0.27834	0.12347	0.11747	5.68E+00	5.29E-02	5.64E-06	1.67E-02	7.07E-01	3.85E-02	2.13E-01	1.95E-01	6.52E+00
1439	494561.06	3858451.99	0.54974	0.1183	0.21757	0.32193	1.51872	0.28446	0.12301	0.1183	5.64E+00	5.32E-02	5.52E-06	1.67E-02	7.00E-01	3.93E-02	2.12E-01	1.96E-01	6.46E+00
1440	494611.06	3858451.99	0.54586	0.11868	0.21292	0.32165	1.50293	0.29028	0.12293	0.11868	5.60E+00	5.34E-02	5.40E-06	1.67E-02	6.93E-01	4.01E-02	2.12E-01	1.97E-01	6.42E+00
1441	494661.06	3858451.99	0.5418	0.11917	0.20818	0.32087	1.48648	0.29643	0.12258	0.11917	5.56E+00	5.36E-02	5.28E-06	1.66E-02	6.85E-01	4.10E-02	2.12E-01	1.97E-01	6.37E+00
1442	494711.06	3858451.99	0.53706	0.11975	0.2033	0.31873	1.46932	0.30348	0.12157	0.11975	5.51E+00	5.39E-02	5.16E-06	1.65E-02	6.77E-01	4.20E-02	2.10E-01	1.98E-01	6.31E+00
1443	494761.06	3858451.99	0.53233	0.11986	0.19845	0.31627	1.45144	0.31114	0.12033	0.11986	5.46E+00	5.39E-02	5.03E-06	1.64E-02	6.69E-01	4.30E-02	2.08E-01	1.99E-01	6.25E+00
1444	494811.06	3858451.99	0.35198	0.12008	0.19375	0.31451	1.43323	0.31846	0.12047	0.12008	3.61E+00	5.40E-02	4.92E-06	1.63E-02	6.60E-01	4.40E-02	2.08E-01	1.99E-01	4.39E+00
1445	494861.06	3858451.99	0.35115	0.12021	0.1532	0.31194	0.73526	0.32596	0.12051	0.12021	3.60E+00	5.41E-02	3.89E-06	1.61E-02	3.39E-01	4.51E-02	2.08E-01	1.99E-01	4.06E+00
1446	494911.06	3858451.99	0.35038	0.12044	0.15108	0.3076	0.70925	0.3334	0.12049	0.12044	3.59E+00	5.42E-02	3.83E-06	1.59E-02	3.27E-01	4.61E-02	2.08E-01	2.00E-01	4.04E+00
1447	494961.06	3858451.99	0.34934	0.12019	0.14847	0.30459	0.70744	0.34316	0.12037	0.12019	3.58E+00	5.41E-02	3.77E-06	1.58E-02	3.26E-01	4.74E-02	2.08E-01	1.99E-01	4.03E+00
1448	495011.06	3858451.99	0.3484	0.12005	0.14571	0.30014	0.69221	0.35273	0.12017	0.12005	3.57E+00	5.40E-02	3.70E-06	1.55E-02	3.19E-01	4.88E-02	2.07E-01	1.99E-01	4.02E+00
1449	495061.06	3858451.99	0.34768	0.11983	0.14407	0.29831	0.68791	0.36177	0.11991	0.11983	3.57E+00	5.39E-02	3.65E-06	1.54E-02	3.17E-01	5.00E-02	2.07E-01	1.99E-01	4.01E+00
1450	495111.06	3858451.99	0.34672	0.11967	0.14497	0.29348	0.67308	0.37237	0.11954	0.11967	3.56E+00	5.39E-02	3.68E-06	1.52E-02	3.10E-01	5.15E-02	2.06E-01	1.98E-01	3.99E+00
1451	495161.06	3858451.99	0.34572	0.11911	0.14556	0.28778	0.65603	0.38502	0.1191	0.11911	3.55E+00	5.36E-02	3.69E-06	1.49E-02	3.02E-01	5.32E-02	2.06E-01	1.97E-01	3.98E+00
1452	495211.06	3858451.99	0.34476	0.1189	0.1461	0.28247	0.64018	0.39716	0.11886	0.1189	3.54E+00	5.35E-02	3.71E-06	1.46E-02	2.95E-01	5.49E-02	2.05E-01	1.97E-01	3.96E+00
1453	495261.06	3858451.99	0.34392	0.11806	0.14687	0.27882	0.63112	0.40963	0.11812	0.11806	3.53E+00	5.31E-02	3.73E-06	1.44E-02	2.91E-01	5.66E-02	2.04E-01	1.96E-01	3.95E+00
1454	495311.06	3858451.99	0.34313	0.11742	0.1476	0.27556	0.6241	0.42215	0.1173	0.11742	3.52E+00	5.28E-02	3.74E-06	1.43E-02	2.88E-01	5.84E-02	2.03E-01	1.95E-01	3.94E+00
1455	495361.06	3858451.99	0.34237	0.11671	0.14829	0.27258	0.61849	0.43454	0.11656	0.11671	3.51E+00	5.25E-02	3.76E-06	1.41E-02	2.85E-01	6.01E-02	2.01E-01	1.93E-01	3.93E+00
1456	495411.06	3858451.99	0.3417	0.11592	0.1491	0.27061	0.617	0.44768	0.11575	0.11592	3.50E+00	5.22E-02	3.78E-06	1.40E-02	2.84E-01	6.19E-02	2.00E-01	1.92E-01	3.92E+00
1457	495461.06	3858451.99	0.34103	0.11519	0.14983	0.26872	0.61615	0.46228	0.11486	0.11519	3.50E+00	5.18E-02	3.80E-06	1.39E-02	2.84E-01	6.39E-02	1.98E-01	1.91E-01	3.92E+00
1458	495511.06	3858451.99	0.3402	0.11426	0.14998	0.26497	0.60817	0.47856	0.11403	0.11426	3.49E+00	5.14E-02	3.80E-06	1.37E-02	2.80E-01	6.62E-02	1.97E-01	1.89E-01	3.91E+00
1459	495561.06	3858451.99	0.33963	0.11314	0.15069	0.26384	0.61042	0.49506	0.11289	0.11314	3.48E+00	5.09E-02	3.82E-06	1.37E-02	2.81E-01	6.84E-02	1.95E-01	1.87E-01	3.90E+00
1460	495611.06	3858451.99	0.33873	0.11207	0.15045	0.25947	0.59986	0.5143	0.1118	0.11207	3.47E+00	5.04E-02	3.82E-06	1.34E-02	2.76E-01	7.11E-02	1.93E-01	1.86E-01	3.89E+00
1461	495661.06	3858451.99	0.33807	0.11095	0.15074	0.25755	0.59889	0.53515	0.11066	0.11095	3.47E+00	4.99E-02	3.82E-06	1.33E-02	2.76E-01	7.40E-02	1.91E-01	1.84E-01	3.89E+00
1462	494311.06	3858501.99	0.58081	0.11682	0.22806	0.30665	1.60367	0.26362	0.12206	0.11682	5.96E+00	5.26E-02	5.79E-06	1.59E-02	7.39E-01	3.64E-02	2.11E-01	1.94E-01	6.82E+00
1463	494361.06	3858501.99	0.57694	0.11276	0.22296	0.30738	1.59688	0.26823	0.12271	0.11276	5.92E+00	5.07E-02	5.66E-06	1.59E-02	7.36E-01	3.71E-02	2.12E-01	1.87E-01	6.78E+00
1464	494411.06	3858501.99	0.57274	0.1138	0.21771	0.30761	1.58909	0.27349	0.12306	0.1138	5.87E+00	5.12E-02	5.52E-06	1.59E-02	7.32E-01	3.78E-02	2.12E-01	1.89E-01	6.73E+00
1465	494461.06	3858501.99	0.56946	0.11459	0.21267	0.30918	1.58042	0.27819	0.12399	0.11459	5.84E+00	5.16E-02	5.39E-06	1.60E-02	7.28E-01	3.85E-02	2.14E-01	1.90E-01	6.70E+00
1466	494511.06	3858501.99	0.5644	0.11547	0.20713	0.30801	1.57056	0.28447	0.1237	0.11547	5.79E+00	5.20E-02	5.25E-06	1.59E-02	7.24E-01	3.93E-02	2.14E-01	1.91E-01	6.64E+00
1467	494561.06	3858501.99	0.56289	0.1165	0.20253	0.31218	1.56056	0.28829	0.12569	0.1165	5.77E+00	5.24E-02	5.14E-06	1.62E-02	7.19E-01	3.99E-02	2.17E-01	1.93E-01	6.62E+00
1468	494611.06	3858501.99	0.55832	0.11723	0.19712	0.31153	1.54914	0.29487	0.12555	0.11723	5.73E+00	5.28E-02	5.00E-06	1.61E-02	7.14E-01	4.08E-02	2.17E-01	1.94E-01	6.57E+00
1469	494661.06	3858501.99	0.55474	0.11789	0.19179	0.31223	1.53703	0.30069	0.12596	0.11789	5.69E+00	5.31E-02	4.87E-06	1.62E-02	7.08E-01	4.16E-02	2.17E-01	1.95E-01	6.53E+00
1470	494711.06	3858501.99	0.54978	0.11825	0.18639	0.31056	1.52385	0.30838	0.12528	0.11825	5.64E+00	5.32E-02	4.73E-06	1.61E-02	7.02E-01	4.26E-02	2.16E-01	1.96E-01	6.47E+00
1471	494761.06	3858501.99	0.54439	0.11872	0.181	0.30813	1.50992	0.31681	0.12414	0.11872	5.58E+00	5.34E-02	4.59E-06	1.60E-02	6.96E-01	4.38E-02	2.14E-01	1.97E-01	6.41E+00
1472	494811.06	3858501.99	0.53929	0.1191	0.17579	0.30591	1.49533	0.32503	0.12305	0.1191	5.53E+00	5.36E-02	4.46E-06	1.58E-02	6.89E-01	4.49E-02	2.12E-01	1.97E-01	6.35E+00
1473	494861.06	3858501.99	0.53529	0.11941	0.17088	0.30501	1.48024	0.33314	0.12255	0.11941	5.49E+00	5.37E-02	4.33E-06	1.58E-02	6.82E-01	4.61E-02	2.12E-01	1.98E-01	6.30E+00
1474	494911.06	3858501.99	0.35346	0.11962	0.16579	0.30029	1.46407	0.34285	0.12014	0.11962	3.62E+00	5.38E-02	4.21E-06	1.55E-02	6.75E-01	4.74E-02	2.07E-01	1.98E-01	4.43E+00
1475	494961.06	3858501.99	0.35269	0.11975	0.16029	0.29887	0.72393	0.35157	0.12018	0.11975	3.62E+00	5.39E-02	4.07E-06	1.55E-02	3.34E-01	4.86E-02	2.07E-01	1.98E-01	4.08E+00
1476	495011.06	3858501.99	0.35173	0.11979	0.16043	0.29461	0.71568	0.36139	0.12014	0.11979	3.61E+00	5.39E-02	4.07E-06	1.53E-02	3.30E-01	5.00E-02	2.07E-01	1.98E-01	4.06E+00
1477	495061.06	3858501.99	0.35105	0.11975	0.16116	0.29366	0.70716	0.37086	0.12023	0.11975	3.60E+00	5.39E-02	4.09E-06	1.52E-02	3.26E-01	5.13E-02	2.08E-01	1.98E-01	4.06E+00
1478	495111.06	3858501.99	0.34995	0.1196	0.16065	0.28731	0.6984	0.38269	0.12002	0.1196	3.59E+00	5.38E-02	4.08E-06	1.49E-02	3.22E-01	5.29E-02	2.07E-01	1.98E-01	4.04E+00

1479	495161.06	3858501.99	0.34905	0.11938	0.16056	0.2835	0.68943	0.3951	0.11957	0.11938
1480	495211.06	3858501.99	0.34816	0.11923	0.16033	0.27952	0.68023	0.40808	0.11938	0.11923
1481	495261.06	3858501.99	0.34739	0.11868	0.16023	0.27668	0.67088	0.42167	0.11878	0.11868
1482	495311.06	3858501.99	0.34669	0.11822	0.16029	0.27496	0.66135	0.43454	0.11828	0.11822
1483	495361.06	3858501.99	0.346	0.11798	0.16024	0.27311	0.65168	0.44842	0.11786	0.11798
1484	495411.06	3858501.99	0.34536	0.11706	0.16018	0.27162	0.64523	0.4626	0.11736	0.11706
1485	495461.06	3858501.99	0.34472	0.11636	0.15999	0.26993	0.64474	0.47815	0.11632	0.11636
1486	495511.06	3858501.99	0.34401	0.11559	0.15954	0.26743	0.64141	0.49579	0.11552	0.11559
1487	495561.06	3858501.99	0.34345	0.11475	0.15942	0.26664	0.64541	0.51429	0.11465	0.11475
1488	495611.06	3858501.99	0.34286	0.11384	0.15897	0.26299	0.61381	0.53564	0.11372	0.11384
1489	495661.06	3858501.99	0.34201	0.11285	0.158	0.26112	0.63779	0.55996	0.1127	0.11285
1490	494311.06	3858551.99	0.58733	0.13166	0.21147	0.28948	1.59253	0.27035	0.13142	0.13166
1491	494361.06	3858551.99	0.58684	0.12513	0.21428	0.29515	1.59192	0.27329	0.12488	0.12513
1492	494411.06	3858551.99	0.58519	0.11839	0.21603	0.30071	1.58965	0.2778	0.12439	0.11839
1493	494461.06	3858551.99	0.58262	0.11222	0.21739	0.30355	1.58647	0.28215	0.12596	0.11222
1494	494511.06	3858551.99	0.5789	0.11325	0.21799	0.30466	1.58205	0.28744	0.12677	0.11325
1495	494561.06	3858551.99	0.57549	0.11422	0.21834	0.30625	1.57674	0.29263	0.12774	0.11422
1496	494611.06	3858551.99	0.57138	0.1151	0.21811	0.30668	1.57021	0.29874	0.12818	0.1151
1497	494661.06	3858551.99	0.56751	0.11591	0.21766	0.30746	1.56282	0.305	0.12872	0.11591
1498	494711.06	3858551.99	0.56206	0.11704	0.17646	0.30557	1.5542	0.31342	0.12794	0.11704
1499	494761.06	3858551.99	0.55665	0.11726	0.17665	0.30363	1.54478	0.32232	0.12716	0.11726
1500	494811.06	3858551.99	0.55205	0.11782	0.1769	0.30274	1.53467	0.3307	0.12685	0.11782
1501	494861.06	3858551.99	0.54665	0.11829	0.17667	0.30044	1.52361	0.34047	0.12585	0.11829
1502	494911.06	3858551.99	0.54071	0.11885	0.17607	0.29724	1.51167	0.35988	0.12432	0.11885
1503	494961.06	3858551.99	0.53567	0.11896	0.17557	0.29514	1.49915	0.36106	0.12326	0.11896
1504	495011.06	3858551.99	0.52973	0.11917	0.17454	0.29135	1.48577	0.37173	0.1213	0.11917
1505	495061.06	3858551.99	0.35411	0.11931	0.17396	0.2899	1.472	0.38194	0.12042	0.11931
1506	495111.06	3858551.99	0.35307	0.11934	0.1724	0.28436	0.72892	0.39404	0.11982	0.11934
1507	495161.06	3858551.99	0.35222	0.11948	0.1713	0.28128	0.72162	0.40633	0.11971	0.11948
1508	495211.06	3858551.99	0.35139	0.11917	0.17019	0.27853	0.714	0.41979	0.11953	0.11917
1509	495261.06	3858551.99	0.35066	0.11896	0.16924	0.27684	0.70614	0.43308	0.11927	0.11896
1510	495311.06	3858551.99	0.35007	0.11868	0.16849	0.2764	0.69799	0.44711	0.11894	0.11868
1511	495361.06	3858551.99	0.34942	0.11831	0.16756	0.27535	0.68965	0.46211	0.11852	0.11831
1512	495411.06	3858551.99	0.34885	0.11786	0.16673	0.27501	0.68106	0.47715	0.11803	0.11786
1513	495461.06	3858551.99	0.34822	0.11733	0.16565	0.27373	0.67229	0.49516	0.11746	0.11733
1514	495511.06	3858551.99	0.34764	0.11672	0.16464	0.27295	0.66859	0.51434	0.11682	0.11672
1515	495561.06	3858551.99	0.34699	0.11603	0.16336	0.27115	0.66817	0.53623	0.11626	0.11603
1516	495611.06	3858551.99	0.3463	0.11527	0.16192	0.26875	0.6658	0.56031	0.11531	0.11527
1517	495661.06	3858551.99	0.34558	0.11458	0.16033	0.26592	0.66204	0.58699	0.11459	0.11458
1518	494311.06	3858601.99	0.58159	0.14044	0.18605	0.26606	1.55209	0.28143	0.14045	0.14044
1519	494361.06	3858601.99	0.59376	0.14179	0.22504	0.28553	1.55932	0.2809	0.14182	0.14179
1520	494411.06	3858601.99	0.59849	0.13921	0.22722	0.30067	1.5639	0.28173	0.13926	0.13921
1521	494461.06	3858601.99	0.5956	0.13075	0.22632	0.30302	1.56604	0.28626	0.13077	0.13075
1522	494511.06	3858601.99	0.59153	0.12156	0.22477	0.30139	1.56694	0.29129	0.12825	0.12156
1523	494561.06	3858601.99	0.58867	0.1142	0.22315	0.30605	1.56678	0.29659	0.13005	0.1142
1524	494611.06	3858601.99	0.58369	0.11317	0.22056	0.30515	1.5653	0.30376	0.13005	0.11317
1525	494661.06	3858601.99	0.57949	0.11388	0.21804	0.30551	1.563	0.31028	0.13054	0.11388
1526	494711.06	3858601.99	0.57418	0.11471	0.21489	0.30402	1.55948	0.31852	0.13021	0.11471
1527	494761.06	3858601.99	0.56886	0.1155	0.21158	0.3025	1.5549	0.32744	0.12983	0.1155
1528	494811.06	3858601.99	0.56195	0.11639	0.18995	0.29835	1.54906	0.33882	0.12816	0.11639
1529	494861.06	3858601.99	0.5573	0.11683	0.18888	0.29777	1.54283	0.34828	0.12798	0.11683
1530	494911.06	3858601.99	0.55068	0.11738	0.18695	0.29384	1.53531	0.38277	0.12639	0.11738
1531	494961.06	3858601.99	0.54546	0.11784	0.18534	0.29209	1.52716	0.3712	0.12563	0.11784
1532	495011.06	3858601.99	0.5401	0.11822	0.18353	0.28999	1.5182	0.38262	0.12462	0.11822
1533	495061.06	3858601.99	0.53456	0.11852	0.18152	0.28742	1.50848	0.39417	0.12337	0.11852
1534	495111.06	3858601.99	0.35586	0.11872	0.17874	0.28196	1.4976	0.40653	0.12063	0.11872
1535	495161.06	3858601.99	0.35509	0.11886	0.17678	0.28019	0.7434	0.41982	0.11956	0.11886

3.58E+00	5.37E-02	4.07E-06	1.47E-02	3.18E-01	5.46E-02	2.06E-01	1.98E-01	4.03E+00
3.57E+00	5.37E-02	4.07E-06	1.45E-02	3.13E-01	5.64E-02	2.06E-01	1.98E-01	4.02E+00
3.56E+00	5.34E-02	4.06E-06	1.43E-02	3.09E-01	5.83E-02	2.05E-01	1.97E-01	4.01E+00
3.55E+00	5.32E-02	4.07E-06	1.42E-02	3.05E-01	6.01E-02	2.04E-01	1.96E-01	4.00E+00
3.55E+00	5.31E-02	4.06E-06	1.41E-02	3.00E-01	6.20E-02	2.03E-01	1.95E-01	3.99E+00
3.54E+00	5.27E-02	4.06E-06	1.41E-02	2.97E-01	6.40E-02	2.03E-01	1.94E-01	3.98E+00
3.53E+00	5.24E-02	4.06E-06	1.40E-02	2.97E-01	6.61E-02	2.01E-01	1.93E-01	3.97E+00
3.53E+00	5.20E-02	4.05E-06	1.38E-02	2.96E-01	6.85E-02	1.99E-01	1.92E-01	3.97E+00
3.52E+00	5.16E-02	4.04E-06	1.38E-02	2.97E-01	7.11E-02	1.98E-01	1.90E-01	3.96E+00
3.52E+00	5.12E-02	4.03E-06	1.36E-02	2.83E-01	7.41E-02	1.96E-01	1.89E-01	3.95E+00
3.51E+00	5.08E-02	4.01E-06	1.35E-02	2.94E-01	7.74E-02	1.95E-01	1.87E-01	3.95E+00
6.02E+00	5.93E-02	5.36E-06	1.50E-02	7.34E-01	3.74E-02	2.27E-01	2.18E-01	6.88E+00
6.02E+00	5.63E-02	5.44E-06	1.53E-02	7.34E-01	3.78E-02	2.16E-01	2.07E-01	6.87E+00
6.00E+00	5.33E-02	5.48E-06	1.56E-02	7.33E-01	3.84E-02	2.15E-01	1.96E-01	6.86E+00
5.97E+00	5.05E-02	5.51E-06	1.57E-02	7.31E-01	3.90E-02	2.17E-01	1.86E-01	6.84E+00
5.94E+00	5.10E-02	5.53E-06	1.58E-02	7.29E-01	3.97E-02	2.19E-01	1.88E-01	6.80E+00
5.90E+00	5.14E-02	5.54E-06	1.59E-02	7.27E-01	4.05E-02	2.21E-01	1.89E-01	6.77E+00
5.86E+00	5.18E-02	5.53E-06	1.59E-02	7.24E-01	4.13E-02	2.21E-01	1.91E-01	6.72E+00
5.82E+00	5.22E-02	5.52E-06	1.59E-02	7.20E-01	4.22E-02	2.22E-01	1.92E-01	6.68E+00
5.76E+00	5.27E-02	4.48E-06	1.58E-02	7.16E-01	4.33E-02	2.21E-01	1.94E-01	6.62E+00
5.71E+00	5.28E-02	4.48E-06	1.57E-02	7.12E-01	4.46E-02	2.20E-01	1.94E-01	6.56E+00
5.66E+00	5.30E-02	4.49E-06	1.57E-02	7.07E-01	4.57E-02	2.19E-01	1.95E-01	6.51E+00
5.61E+00	5.32E-02	4.48E-06	1.56E-02	7.02E-01	4.71E-02	2.17E-01	1.96E-01	6.44E+00
5.54E+00	5.35E-02	4.47E-06	1.54E-02	6.97E-01	4.98E-02	2.15E-01	1.97E-01	6.38E+00
5.49E+00	5.35E-02	4.45E-06	1.53E-02	6.91E-01	4.99E-02	2.13E-01	1.97E-01	6.32E+00
5.43E+00	5.36E-02	4.43E-06	1.51E-02	6.85E-01	5.14E-02	2.09E-01	1.97E-01	6.25E+00
3.63E+00	5.37E-02	4.41E-06	1.50E-02	6.78E-01	5.28E-02	2.08E-01	1.98E-01	4.44E+00
3.62E+00	5.37E-02	4.37E-06	1.47E-02	3.36E-01	5.45E-02	2.07E-01	1.98E-01	4.09E+00
3.61E+00	5.38E-02	4.35E-06	1.46E-02	3.33E-01	5.62E-02	2.07E-01	1.98E-01	4.08E+00
3.60E+00	5.36E-02	4.32E-06	1.44E-02	3.29E-01	5.80E-02	2.06E-01	1.97E-01	4.07E+00
3.60E+00	5.35E-02	4.29E-06	1.43E-02	3.25E-01	5.99E-02	2.06E-01	1.97E-01	4.06E+00
3.59E+00	5.34E-02	4.27E-06	1.43E-02	3.22E-01	6.18E-02	2.05E-01	1.97E-01	4.05E+00
3.58E+00	5.32E-02	4.25E-06	1.43E-02	3.18E-01	6.39E-02	2.05E-01	1.96E-01	4.04E+00
3.58E+00	5.30E-02	4.23E-06	1.42E-02	3.14E-01	6.60E-02	2.04E-01	1.95E-01	4.03E+00
3.57E+00	5.28E-02	4.20E-06	1.42E-02	3.10E-01	6.85E-02	2.03E-01	1.94E-01	4.02E+00
3.56E+00	5.25E-02	4.18E-06	1.41E-02	3.08E-01	7.11E-02	2.02E-01	1.93E-01	4.02E+00
3.56E+00	5.22E-02	4.14E-06	1.40E-02	3.08E-01	7.41E-02	2.01E-01	1.92E-01	4.01E+00
3.55E+00	5.19E-02	4.11E-06	1.39E-02	3.07E-01	7.75E-02	1.99E-01	1.91E-01	4.01E+00
3.54E+00	5.16E-02	4.07E-06	1.38E-02	3.05E-01	8.12E-02	1.98E-01	1.90E-01	4.00E+00
5.96E+00	6.32E-02	4.72E-06	1.38E-02	7.15E-01	3.89E-02	2.42E-01	2.33E-01	6.80E+00
6.09E+00	6.38E-02	5.71E-06	1.48E-02	7.19E-01	3.88E-02	2.45E-01	2.35E-01	6.93E+00
6.14E+00	6.27E-02	5.76E-06	1.56E-02	7.21E-01	3.89E-02	2.40E-01	2.31E-01	6.98E+00
6.11E+00	5.88E-02	5.74E-06	1.57E-02	7.22E-01	3.96E-02	2.26E-01	2.17E-01	6.95E+00
6.07E+00	5.47E-02	5.70E-06	1.56E-02	7.22E-01	4.03E-02	2.21E-01	2.01E-01	6.92E+00
6.04E+00	5.14E-02	5.66E-06	1.58E-02	7.22E-01	4.10E-02	2.25E-01	1.89E-01	6.90E+00
5.99E+00	5.09E-02	5.60E-06	1.58E-02	7.21E-01	4.20E-02	2.25E-01	1.88E-01	6.85E+00
5.94E+00	5.13E-02	5.53E-06	1.58E-02	7.20E-01	4.29E-02	2.25E-01	1.89E-01	6.81E+00
5.89E+00	5.16E-02	5.45E-06	1.57E-02	7.19E-01	4.40E-02	2.25E-01	1.90E-01	6.75E+00
5.83E+00	5.20E-02	5.37E-06	1.57E-02	7.17E-01	4.53E-02	2.24E-01	1.91E-01	6.70E+00
5.76E+00	5.24E-02	4.82E-06	1.54E-02	7.14E-01	4.68E-02	2.21E-01	1.93E-01	6.62E+00
5.71E+00	5.26E-02	4.79E-06	1.54E-02	7.11E-01	4.82E-02	2.21E-01	1.94E-01	6.57E+00
5.65E+00	5.28E-02	4.74E-06	1.52E-02	7.08E-01	5.29E-02	2.18E-01	1.94E-01	6.50E+00
5.59E+00	5.30E-02	4.70E-06	1.51E-02	7.04E-01	5.13E-02	2.17E-01	1.95E-01	6.44E+00
5.54E+00	5.32E-02	4.66E-06	1.50E-02	7.00E-01	5.29E-02	2.15E-01	1.96E-01	6.38E+00
5.48E+00	5.33E-02	4.60E-06	1.49E-02	6.95E-01	5.45E-02	2.13E-01	1.96E-01	6.32E+00
3.65E+00	5.34E-02	4.53E-06	1.46E-02	6.90E-01	5.62E-02	2.08E-01	1.97E-01	4.47E+00
3.64E+00	5.35E-02	4.48E-06	1.45E-02	3.43E-01	5.80E-02	2.06E-01	1.97E-01	4.12E+00

1536	495211.06	3858601.99	0.35445	0.11892	0.17507	0.27971	0.73767	0.43321	0.11952	0.11892	3.63E+00	5.35E-02	4.44E-06	1.45E-02	3.40E-01	5.99E-02	2.06E-01	1.97E-01	4.11E+00
1537	495261.06	3858601.99	0.35376	0.11889	0.17317	0.27855	0.73163	0.44735	0.11943	0.11889	3.63E+00	5.35E-02	4.39E-06	1.44E-02	3.37E-01	6.18E-02	2.06E-01	1.97E-01	4.10E+00
1538	495311.06	3858601.99	0.35312	0.11878	0.17138	0.27801	0.72524	0.46287	0.11926	0.11878	3.62E+00	5.35E-02	4.35E-06	1.44E-02	3.34E-01	6.40E-02	2.06E-01	1.97E-01	4.10E+00
1539	495361.06	3858601.99	0.35256	0.11858	0.16973	0.27826	0.71857	0.47859	0.11901	0.11858	3.62E+00	5.34E-02	4.31E-06	1.44E-02	3.31E-01	6.62E-02	2.05E-01	1.96E-01	4.09E+00
1540	495411.06	3858601.99	0.352	0.11831	0.168	0.27822	0.71158	0.49601	0.11868	0.11831	3.61E+00	5.32E-02	4.26E-06	1.44E-02	3.28E-01	6.86E-02	2.05E-01	1.96E-01	4.08E+00
1541	495461.06	3858601.99	0.35145	0.11795	0.16626	0.27818	0.70433	0.51566	0.11828	0.11795	3.60E+00	5.31E-02	4.22E-06	1.44E-02	3.25E-01	7.13E-02	2.04E-01	1.95E-01	4.08E+00
1542	495511.06	3858601.99	0.35078	0.1175	0.16415	0.27641	0.69679	0.53714	0.11779	0.1175	3.60E+00	5.29E-02	4.16E-06	1.43E-02	3.21E-01	7.43E-02	2.03E-01	1.95E-01	4.07E+00
1543	495561.06	3858601.99	0.35025	0.11699	0.16243	0.27642	0.68906	0.56196	0.11724	0.11699	3.59E+00	5.27E-02	4.12E-06	1.43E-02	3.18E-01	7.77E-02	2.02E-01	1.94E-01	4.06E+00
1544	495611.06	3858601.99	0.34952	0.11638	0.16011	0.27363	0.68107	0.588	0.11659	0.11638	3.58E+00	5.24E-02	4.06E-06	1.42E-02	3.14E-01	8.13E-02	2.01E-01	1.93E-01	4.05E+00
1545	495661.06	3858601.99	0.34896	0.11571	0.15859	0.27268	0.67869	0.61962	0.11605	0.11571	3.58E+00	5.21E-02	4.02E-06	1.41E-02	3.13E-01	8.57E-02	2.00E-01	1.92E-01	4.05E+00
1546	494311.06	3858651.99	0.58687	0.15724	0.19938	0.26025	1.489	0.289	0.15752	0.15724	6.02E+00	7.08E-02	5.06E-06	1.35E-02	6.86E-01	4.00E-02	2.72E-01	2.61E-01	6.84E+00
1547	494361.06	3858651.99	0.5993	0.15886	0.22456	0.27881	1.50156	0.28864	0.15916	0.15886	6.15E+00	7.15E-02	5.70E-06	1.44E-02	6.92E-01	3.99E-02	2.75E-01	2.63E-01	6.97E+00
1548	494411.06	3858651.99	0.6093	0.15977	0.22703	0.30055	1.51286	0.28657	0.16011	0.15977	6.25E+00	7.19E-02	5.76E-06	1.56E-02	6.97E-01	3.96E-02	2.76E-01	2.65E-01	7.08E+00
1549	494461.06	3858651.99	0.60695	0.15177	0.2244	0.30525	1.52014	0.29152	0.15208	0.15177	6.22E+00	6.83E-02	5.69E-06	1.58E-02	7.01E-01	4.03E-02	2.63E-01	2.51E-01	7.06E+00
1550	494511.06	3858651.99	0.60299	0.14215	0.22075	0.30567	1.52612	0.29717	0.14241	0.14215	6.18E+00	6.40E-02	5.60E-06	1.58E-02	7.03E-01	4.11E-02	2.46E-01	2.36E-01	7.02E+00
1551	494561.06	3858651.99	0.5996	0.13334	0.21719	0.30723	1.53124	0.30239	0.13357	0.13334	6.15E+00	6.00E-02	5.51E-06	1.59E-02	7.06E-01	4.18E-02	2.31E-01	2.21E-01	6.98E+00
1552	494611.06	3858651.99	0.59567	0.12454	0.21326	0.30784	1.53519	0.30849	0.13215	0.12454	6.11E+00	5.60E-02	5.41E-06	1.59E-02	7.07E-01	4.26E-02	2.28E-01	2.06E-01	6.95E+00
1553	494661.06	3858651.99	0.59084	0.11557	0.20893	0.30684	1.53781	0.327	0.13223	0.11557	6.06E+00	5.20E-02	5.30E-06	1.59E-02	7.09E-01	4.52E-02	2.28E-01	1.91E-01	6.92E+00
1554	494711.06	3858651.99	0.58506	0.1126	0.20508	0.30435	1.53913	0.32515	0.13165	0.1126	6.00E+00	5.07E-02	5.20E-06	1.58E-02	7.09E-01	4.50E-02	2.27E-01	1.87E-01	6.86E+00
1555	494761.06	3858651.99	0.58001	0.11375	0.20211	0.30327	1.53973	0.38292	0.13157	0.11375	5.95E+00	5.12E-02	5.13E-06	1.57E-02	7.10E-01	5.29E-02	2.27E-01	1.88E-01	6.82E+00
1556	494811.06	3858651.99	0.57359	0.11432	0.19797	0.29991	1.53901	0.34504	0.13051	0.11432	5.88E+00	5.14E-02	5.02E-06	1.55E-02	7.09E-01	4.77E-02	2.25E-01	1.89E-01	6.74E+00
1557	494861.06	3858651.99	0.56748	0.11509	0.19482	0.2971	1.53733	0.35651	0.12963	0.11509	5.82E+00	5.18E-02	4.94E-06	1.54E-02	7.08E-01	4.93E-02	2.24E-01	1.91E-01	6.68E+00
1558	494911.06	3858651.99	0.56089	0.11598	0.19186	0.29356	1.53464	0.40978	0.12826	0.11598	5.75E+00	5.22E-02	4.87E-06	1.52E-02	7.07E-01	5.67E-02	2.21E-01	1.92E-01	6.61E+00
1559	494961.06	3858651.99	0.55471	0.1166	0.18893	0.29065	1.53115	0.38205	0.12711	0.1166	5.69E+00	5.25E-02	4.79E-06	1.50E-02	7.06E-01	5.28E-02	2.19E-01	1.93E-01	6.54E+00
1560	495011.06	3858651.99	0.54947	0.11717	0.18623	0.28902	1.52691	0.3945	0.12656	0.11717	5.63E+00	5.27E-02	4.72E-06	1.50E-02	7.04E-01	5.45E-02	2.19E-01	1.94E-01	6.48E+00
1561	495061.06	3858651.99	0.54379	0.11742	0.18328	0.2867	1.52169	0.40672	0.12559	0.11742	5.58E+00	5.28E-02	4.65E-06	1.48E-02	7.01E-01	5.62E-02	2.17E-01	1.95E-01	6.42E+00
1562	495111.06	3858651.99	0.53738	0.11798	0.18035	0.2833	1.5154	0.42006	0.12403	0.11798	5.51E+00	5.31E-02	4.58E-06	1.47E-02	6.98E-01	5.81E-02	2.14E-01	1.95E-01	6.35E+00
1563	495161.06	3858651.99	0.53269	0.1181	0.17889	0.28216	1.50866	0.43346	0.12346	0.1181	5.46E+00	5.32E-02	4.54E-06	1.46E-02	6.95E-01	5.99E-02	2.13E-01	1.96E-01	6.30E+00
1564	495211.06	3858651.99	0.52749	0.11832	0.17732	0.28008	1.50096	0.44789	0.12234	0.11832	5.41E+00	5.32E-02	4.50E-06	1.45E-02	6.92E-01	6.19E-02	2.11E-01	1.96E-01	6.25E+00
1565	495261.06	3858651.99	0.5248	0.11847	0.17691	0.28138	1.49299	0.46316	0.12279	0.11847	5.38E+00	5.33E-02	4.49E-06	1.46E-02	6.88E-01	6.40E-02	2.12E-01	1.96E-01	6.22E+00
1566	495311.06	3858651.99	0.356	0.11871	0.17624	0.28136	1.48406	0.47983	0.12259	0.11871	3.65E+00	5.34E-02	4.47E-06	1.46E-02	6.84E-01	6.63E-02	2.12E-01	1.97E-01	4.48E+00
1567	495361.06	3858651.99	0.35548	0.11851	0.17589	0.28216	1.47455	0.49816	0.12277	0.11851	3.65E+00	5.33E-02	4.46E-06	1.46E-02	6.80E-01	6.89E-02	2.12E-01	1.96E-01	4.48E+00
1568	495411.06	3858651.99	0.355	0.11841	0.17569	0.28326	1.46435	0.51872	0.12307	0.11841	3.64E+00	5.33E-02	4.46E-06	1.47E-02	6.75E-01	7.17E-02	2.12E-01	1.96E-01	4.47E+00
1569	495461.06	3858651.99	0.35456	0.11823	0.17566	0.28477	1.45364	0.54236	0.12357	0.11823	3.64E+00	5.32E-02	4.46E-06	1.47E-02	6.70E-01	7.50E-02	2.13E-01	1.96E-01	4.47E+00
1570	495511.06	3858651.99	0.35389	0.11796	0.17508	0.28328	1.44186	0.56597	0.12264	0.11796	3.63E+00	5.31E-02	4.44E-06	1.47E-02	6.64E-01	7.82E-02	2.12E-01	1.95E-01	4.46E+00
1571	495561.06	3858651.99	0.35329	0.1176	0.17473	0.28234	0.71483	0.59367	0.12196	0.1176	3.62E+00	5.29E-02	4.43E-06	1.46E-02	3.29E-01	8.21E-02	2.11E-01	1.95E-01	4.12E+00
1572	495611.06	3858651.99	0.35256	0.11716	0.1742	0.27983	0.70843	0.62142	0.12052	0.11716	3.62E+00	5.27E-02	4.42E-06	1.45E-02	3.26E-01	8.59E-02	2.08E-01	1.94E-01	4.11E+00
1573	495661.06	3858651.99	0.35203	0.11666	0.17416	0.27947	0.70181	0.65744	0.12014	0.11666	3.61E+00	5.25E-02	4.42E-06	1.45E-02	3.23E-01	9.09E-02	2.07E-01	1.93E-01	4.11E+00
1574	494311.06	3858701.99	0.59827	0.17971	0.21463	0.26493	1.40553	0.29507	0.1803	0.17971	6.13E+00	8.09E-02	5.44E-06	1.37E-02	6.48E-01	4.08E-02	3.11E-01	2.98E-01	6.93E+00
1575	494361.06	3858701.99	0.61438	0.18465	0.22074	0.28994	1.42388	0.29316	0.18528	0.18465	6.30E+00	8.31E-02	5.60E-06	1.50E-02	6.56E-01	4.05E-02	3.20E-01	3.06E-01	7.11E+00
1576	494411.06	3858701.99	0.61972	0.18211	0.22841	0.30586	1.43913	0.29966	0.18275	0.18211	6.35E+00	8.20E-02	5.79E-06	1.58E-02	6.63E-01	4.14E-02	3.16E-01	3.02E-01	7.17E+00
1577	494461.06	3858701.99	0.61709	0.17302	0.22922	0.30853	1.45139	0.30395	0.17361	0.17302	6.33E+00	7.79E-02	5.81E-06	1.60E-02	6.69E-01	4.20E-02	3.00E-01	2.87E-01	7.15E+00
1578	494511.06	3858701.99	0.61339	0.16388	0.24433	0.3109	1.46226	0.30525	0.16442	0.16388	6.29E+00	7.38E-02	6.20E-06	1.61E-02	6.74E-01	4.22E-02	2.84E-01	2.72E-01	7.11E+00
1579	494561.06	3858701.99	0.60949	0.15403	0.24276	0.31121	1.47216	0.30924	0.15452	0.15403	6.25E+00	6.93E-02	6.16E-06	1.61E-02	6.78E-01	4.28E-02	2.67E-01	2.55E-01	7.07E+00
1580	494611.06	3858701.99	0.60314	0.14257	0.2377	0.30688	1.48027	0.31846	0.143	0.14257	6.18E+00	6.42E-02	6.03E-06	1.59E-02	6.82E-01	4.40E-02	2.47E-01	2.36E-01	7.00E+00
1581	494661.06	3858701.99	0.60031	0.13428	0.23735	0.30948	1.48841	0.34779	0.13468	0.13428	6.16E+00	6.04E-02	6.02E-06	1.60E-02	6.86E-01	4.81E-02	2.33E-01	2.22E-01	6.98E+00
1582	494711.06	3858701.99	0.58912	0.12046	0.22701	0.29687	1.49338	0.3394	0.12889	0.12046	6.04E+00	5.42E-02	5.76E-06	1.54E-02	6.88E-01	4.69E-02	2.23E-01	2.00E-01	6.87E+00
1583	494761.06	3858701.99	0.58854	0.11458	0.22881	0.30325	1.49999	0.46975	0.13191	0.11458	6.03E+00	5.16E-02	5.80E-06	1.57E-02	6.91E-01	6.49E-02	2.28E-01	1.90E-01	6.90E+00
1584	494811.06	3858701.99	0.58208	0.11221	0.22422	0.2996	1.50413	0.35534	0.13086	0.11221	5.97E+00	5.05E-02	5.69E-06	1.55E-02	6.93E-01	4.91E-02	2.26E-01	1.86E-01	6.82E+00
1585	494861.06	3858701.99	0.57638	0.1131	0.22062	0.29742	1.50752	0.36685	0.13036	0.1131	5.91E+00	5.09E-02	5.60E-06	1.54E-02	6.95E-01	5.07E-02	2.25E-01	1.87E-01	6.76E+00
1586	494911.06	3858701.99	0.57111	0.11393	0.21748	0.29598	1.50999	0.4426	0.13012	0.11393	5.86E+00	5.13E-02	5.52E-06	1.53E-02	6.96E-01	6.12E-02	2.25E-01	1.89E-01	6.72E+00
1587	494961.06	3858701.99	0.56276	0.11467	0.21191	0.28969	1.51083	0.39327	0.12779	0.11467	5.77E+00	5.16E-02	5.38E-06	1.50E-02	6.96E-01	5.44E-02	2.21E-01	1.90E-01	6.62E+00
1588	495011.06	3858701.99	0.55664	0.11574	0.20855	0.28701	1.51118	0.40673	0.12677	0.11574	5.71E+00	5.21E-02	5.29E-06	1.49E-02	6.96E-01	5.62E-02	2.19E-01	1.92E-01	6.55E+00
1589	495061.06	3858701.99	0.55276	0.11601	0.20696	0.28771	1.51107	0.41984	0.12727	0.11601	5.67E+00	5.22E-02	5.25E-06	1.49E-02	6.96E-01	5.80E-02	2.20E-01	1.92E-01	6.52E+00
1590	495111.06	3858701.99	0.54597	0.11654	0.2035	0.28378	1.50943	0.43475	0.12578	0.11654	5.60E+00	5.24E-02	5.16E-06	1.47E-02	6.96E-01	6.01E-02	2.17E-01	1.93E-01	6.45E+00
1591	495161.06	3858701.99	0.54159	0.11723	0.20175	0.28357	1.50743	0.44906	0.12575	0.11723	5.55E+00	5.28E-02	5.12E-06	1.47E-02	6.95E-01	6.21E-02	2.17E-01	1.94E-01	6.40E+00
1592	495211.06	3858701.99	0.53632	0.1174	0.1996	0.28193	1.50429	0.46469	0.12504	0.1174	5.50E+00	5.28E-02	5.06E-06	1.46E-02	6.93E-01	6.42E-02	2.16E-01	1.95E-01	6.35E+00

1593	495261.06	3858701.99	0.53358	0.11772	0.19889	0.28384	1.50073	0.48193	0.12587	0.11772	5.47E+00	5.30E-02	5.05E-06	1.47E-02	6.92E-01	6.66E-02	2.17E-01	1.95E-01	6.32E+00
1594	495311.06	3858701.99	0.53088	0.11796	0.1982	0.28566	1.49631	0.50103	0.12663	0.11796	5.44E+00	5.31E-02	5.03E-06	1.48E-02	6.90E-01	6.93E-02	2.19E-01	1.95E-01	6.29E+00
1595	495361.06	3858701.99	0.52763	0.11811	0.19726	0.28647	1.49102	0.52167	0.1269	0.11811	5.41E+00	5.32E-02	5.00E-06	1.48E-02	6.87E-01	7.21E-02	2.19E-01	1.96E-01	6.26E+00
1596	495411.06	3858701.99	0.52537	0.11837	0.1968	0.2886	1.48504	0.54487	0.12775	0.11837	5.39E+00	5.33E-02	4.99E-06	1.49E-02	6.84E-01	7.53E-02	2.21E-01	1.96E-01	6.24E+00
1597	495461.06	3858701.99	0.52245	0.11817	0.19605	0.2895	1.47813	0.57103	0.128	0.11817	5.36E+00	5.32E-02	4.97E-06	1.50E-02	6.81E-01	7.89E-02	2.21E-01	1.96E-01	6.21E+00
1598	495511.06	3858701.99	0.51904	0.11807	0.19511	0.28934	1.47042	0.59866	0.12776	0.11807	5.32E+00	5.31E-02	4.95E-06	1.50E-02	6.78E-01	8.28E-02	2.21E-01	1.96E-01	6.18E+00
1599	495561.06	3858701.99	0.51535	0.11788	0.19409	0.28837	1.46196	0.62983	0.12714	0.11788	5.28E+00	5.31E-02	4.92E-06	1.49E-02	6.74E-01	8.71E-02	2.20E-01	1.95E-01	6.14E+00
1600	495611.06	3858701.99	0.51166	0.11761	0.19315	0.28709	1.45271	0.66471	0.12635	0.11761	5.25E+00	5.29E-02	4.90E-06	1.49E-02	6.69E-01	9.19E-02	2.18E-01	1.95E-01	6.10E+00
1601	495661.06	3858701.99	0.50871	0.11727	0.19252	0.28669	1.44292	0.7058	0.12595	0.11727	5.22E+00	5.28E-02	4.88E-06	1.48E-02	6.65E-01	9.76E-02	2.17E-01	1.94E-01	6.07E+00
1602	494311.06	3858751.99	0.61119	0.20345	0.24113	0.2723	1.30506	0.30073	0.20435	0.20345	6.27E+00	9.16E-02	6.12E-06	1.41E-02	6.01E-01	4.16E-02	3.53E-01	3.37E-01	7.03E+00
1603	494361.06	3858751.99	0.62706	0.20957	0.24943	0.3024	1.32765	0.30155	0.21053	0.20957	6.43E+00	9.43E-02	6.33E-06	1.57E-02	6.12E-01	4.17E-02	3.63E-01	3.47E-01	7.21E+00
1604	494411.06	3858751.99	0.6298	0.20503	0.25749	0.31525	1.34669	0.32147	0.20597	0.20503	6.46E+00	9.23E-02	6.53E-06	1.63E-02	6.21E-01	4.44E-02	3.56E-01	3.40E-01	7.25E+00
1605	494461.06	3858751.99	0.62695	0.19574	0.25891	0.31746	1.3632	0.33104	0.19662	0.19574	6.43E+00	8.81E-02	6.57E-06	1.64E-02	6.28E-01	4.58E-02	3.39E-01	3.24E-01	7.22E+00
1606	494511.06	3858751.99	0.62359	0.18689	0.27784	0.32061	1.3785	0.33883	0.18771	0.18689	6.39E+00	8.41E-02	7.05E-06	1.66E-02	6.35E-01	4.68E-02	3.24E-01	3.10E-01	7.19E+00
1607	494561.06	3858751.99	0.61946	0.17589	0.27302	0.31798	1.39276	0.33934	0.17665	0.17589	6.35E+00	7.92E-02	6.93E-06	1.65E-02	6.42E-01	4.69E-02	3.05E-01	2.91E-01	7.15E+00
1608	494611.06	3858751.99	0.61352	0.16449	0.26948	0.31411	1.40547	0.33549	0.16518	0.16449	6.29E+00	7.40E-02	6.84E-06	1.63E-02	6.48E-01	4.64E-02	2.85E-01	2.73E-01	7.09E+00
1609	494661.06	3858751.99	0.60942	0.15437	0.2631	0.31403	1.41793	0.3575	0.155	0.15437	6.25E+00	6.95E-02	6.67E-06	1.63E-02	6.53E-01	4.94E-02	2.68E-01	2.56E-01	7.05E+00
1610	494711.06	3858751.99	0.60227	0.14245	0.25862	0.30773	1.42839	0.37583	0.14301	0.14245	6.18E+00	6.41E-02	6.56E-06	1.59E-02	6.58E-01	5.20E-02	2.47E-01	2.36E-01	6.98E+00
1611	494761.06	3858751.99	0.5974	0.13322	0.25962	0.30786	1.43834	0.59108	0.13373	0.13322	6.13E+00	6.00E-02	6.59E-06	1.59E-02	6.63E-01	8.17E-02	2.31E-01	2.21E-01	6.96E+00
1612	494811.06	3858751.99	0.59063	0.12261	0.25406	0.30295	1.44704	0.4072	0.13191	0.12261	6.06E+00	5.52E-02	6.44E-06	1.57E-02	6.67E-01	5.63E-02	2.28E-01	2.03E-01	6.87E+00
1613	494861.06	3858751.99	0.58428	0.11295	0.2493	0.29916	1.45491	0.37945	0.13091	0.11295	5.99E+00	5.08E-02	6.32E-06	1.55E-02	6.70E-01	5.25E-02	2.26E-01	1.87E-01	6.82E+00
1614	494911.06	3858751.99	0.57736	0.11182	0.24423	0.29485	1.46174	0.47654	0.1296	0.11182	5.92E+00	5.03E-02	6.20E-06	1.53E-02	6.74E-01	6.59E-02	2.24E-01	1.85E-01	6.76E+00
1615	494961.06	3858751.99	0.57172	0.1127	0.24054	0.29273	1.46787	0.4044	0.12916	0.1127	5.86E+00	5.07E-02	6.10E-06	1.52E-02	6.76E-01	5.59E-02	2.23E-01	1.87E-01	6.70E+00
1616	495011.06	3858751.99	0.56713	0.11354	0.23791	0.29237	1.47324	0.41798	0.12939	0.11354	5.82E+00	5.11E-02	6.04E-06	1.51E-02	6.79E-01	5.78E-02	2.23E-01	1.88E-01	6.65E+00
1617	495061.06	3858751.99	0.56133	0.11431	0.23426	0.29012	1.4775	0.43279	0.12879	0.11431	5.76E+00	5.14E-02	5.94E-06	1.50E-02	6.81E-01	5.98E-02	2.22E-01	1.89E-01	6.60E+00
1618	495111.06	3858751.99	0.55485	0.11541	0.23025	0.28685	1.48059	0.44899	0.12758	0.11541	5.69E+00	5.19E-02	5.84E-06	1.48E-02	6.82E-01	6.21E-02	2.20E-01	1.91E-01	6.53E+00
1619	495161.06	3858751.99	0.55021	0.11563	0.22783	0.2864	1.48309	0.46495	0.12759	0.11563	5.64E+00	5.20E-02	5.78E-06	1.48E-02	6.83E-01	6.43E-02	2.20E-01	1.92E-01	6.49E+00
1620	495211.06	3858751.99	0.54485	0.11639	0.22498	0.28474	1.48457	0.48244	0.1271	0.11639	5.59E+00	5.24E-02	5.71E-06	1.47E-02	6.84E-01	6.67E-02	2.19E-01	1.93E-01	6.43E+00
1621	495261.06	3858751.99	0.54181	0.11666	0.22376	0.28656	1.48562	0.50169	0.12803	0.11666	5.56E+00	5.25E-02	5.68E-06	1.48E-02	6.85E-01	6.94E-02	2.21E-01	1.93E-01	6.40E+00
1622	495311.06	3858751.99	0.53901	0.11707	0.22269	0.2887	1.48573	0.52294	0.12905	0.11707	5.53E+00	5.27E-02	5.65E-06	1.49E-02	6.85E-01	7.23E-02	2.23E-01	1.94E-01	6.38E+00
1623	495361.06	3858751.99	0.5357	0.11739	0.22128	0.28991	1.48484	0.54607	0.12964	0.11739	5.49E+00	5.28E-02	5.61E-06	1.50E-02	6.84E-01	7.55E-02	2.24E-01	1.95E-01	6.35E+00
1624	495411.06	3858751.99	0.53356	0.11823	0.22059	0.29294	1.4834	0.57205	0.13095	0.11823	5.47E+00	5.32E-02	5.60E-06	1.52E-02	6.84E-01	7.91E-02	2.26E-01	1.96E-01	6.33E+00
1625	495461.06	3858751.99	0.53046	0.11779	0.21932	0.29423	1.48088	0.6011	0.1315	0.11779	5.44E+00	5.30E-02	5.56E-06	1.52E-02	6.82E-01	8.31E-02	2.27E-01	1.95E-01	6.31E+00
1626	495511.06	3858751.99	0.52686	0.11785	0.21778	0.2945	1.47738	0.63381	0.13157	0.11785	5.40E+00	5.30E-02	5.52E-06	1.52E-02	6.81E-01	8.76E-02	2.27E-01	1.95E-01	6.27E+00
1627	495561.06	3858751.99	0.52307	0.11784	0.21618	0.29424	1.47299	0.66924	0.13136	0.11784	5.36E+00	5.30E-02	5.48E-06	1.52E-02	6.79E-01	9.25E-02	2.27E-01	1.95E-01	6.23E+00
1628	495611.06	3858751.99	0.51929	0.11792	0.21465	0.29377	1.46787	0.71064	0.13102	0.11792	5.32E+00	5.31E-02	5.45E-06	1.52E-02	6.76E-01	9.82E-02	2.26E-01	1.95E-01	6.20E+00
1629	495661.06	3858751.99	0.51589	0.11756	0.21336	0.2936	1.46201	0.75894	0.13078	0.11756	5.29E+00	5.29E-02	5.41E-06	1.52E-02	6.74E-01	1.05E-01	2.26E-01	1.95E-01	6.17E+00
1630	494311.06	3858801.99	0.62611	0.22927	0.27122	0.28944	1.19201	0.31897	0.23051	0.22927	6.42E+00	1.03E-01	6.88E-06	1.50E-02	5.49E-01	4.41E-02	3.98E-01	3.80E-01	7.15E+00
1631	494361.06	3858801.99	0.63735	0.23231	0.28096	0.31529	1.21725	0.33684	0.23359	0.23231	6.54E+00	1.05E-01	7.13E-06	1.63E-02	5.61E-01	4.66E-02	4.03E-01	3.85E-01	7.28E+00
1632	494411.06	3858801.99	0.63723	0.22563	0.288	0.3226	1.23888	0.34579	0.22686	0.22563	6.53E+00	1.02E-01	7.31E-06	1.67E-02	5.71E-01	4.78E-02	3.92E-01	3.74E-01	7.29E+00
1633	494461.06	3858801.99	0.63545	0.21745	0.29469	0.3271	1.25929	0.3595	0.21862	0.21745	6.52E+00	9.79E-02	7.48E-06	1.69E-02	5.80E-01	4.97E-02	3.77E-01	3.60E-01	7.28E+00
1634	494511.06	3858801.99	0.63223	0.209	0.31213	0.33061	1.27827	0.3725	0.21011	0.209	6.48E+00	9.41E-02	7.92E-06	1.71E-02	5.89E-01	5.15E-02	3.63E-01	3.46E-01	7.25E+00
1635	494561.06	3858801.99	0.62846	0.19902	0.31152	0.33091	1.29637	0.37845	0.20006	0.19902	6.44E+00	8.96E-02	7.90E-06	1.71E-02	5.97E-01	5.23E-02	3.45E-01	3.30E-01	7.22E+00
1636	494611.06	3858801.99	0.62388	0.18841	0.30905	0.3294	1.31337	0.37924	0.18937	0.18841	6.40E+00	8.48E-02	7.84E-06	1.71E-02	6.05E-01	5.24E-02	3.27E-01	3.12E-01	7.17E+00
1637	494661.06	3858801.99	0.61808	0.1769	0.30414	0.32526	1.32907	0.38254	0.17778	0.1769	6.34E+00	7.96E-02	7.72E-06	1.68E-02	6.12E-01	5.29E-02	3.07E-01	2.93E-01	7.11E+00
1638	494711.06	3858801.99	0.61167	0.16499	0.29819	0.31977	1.34367	0.44026	0.1658	0.16499	6.27E+00	7.43E-02	7.56E-06	1.66E-02	6.19E-01	6.09E-02	2.86E-01	2.73E-01	7.06E+00
1639	494761.06	3858801.99	0.6046	0.15281	0.29126	0.31303	1.35727	0.69705	0.15354	0.15281	6.20E+00	6.88E-02	7.39E-06	1.62E-02	6.25E-01	9.64E-02	2.65E-01	2.53E-01	7.02E+00
1640	494811.06	3858801.99	0.59725	0.14085	0.28428	0.30636	1.36996	0.53212	0.14151	0.14085	6.12E+00	6.34E-02	7.21E-06	1.59E-02	6.31E-01	7.36E-02	2.44E-01	2.33E-01	6.92E+00
1641	494861.06	3858801.99	0.59207	0.13108	0.28058	0.30428	1.38232	0.42717	0.13217	0.13108	6.07E+00	5.90E-02	7.12E-06	1.58E-02	6.37E-01	5.91E-02	2.28E-01	2.17E-01	6.85E+00
1642	494911.06	3858801.99	0.5854	0.12078	0.27509	0.2996	1.39345	0.52295	0.13092	0.12078	6.00E+00	5.44E-02	6.98E-06	1.55E-02	6.42E-01	7.23E-02	2.26E-01	2.00E-01	6.81E+00
1643	494961.06	3858801.99	0.57979	0.1118	0.27102	0.29718	1.40405	0.41843	0.13045	0.1118	5.95E+00	5.03E-02	6.88E-06	1.54E-02	6.47E-01	5.78E-02	2.25E-01	1.85E-01	6.76E+00
1644	495011.06	3858801.99	0.57393	0.11149	0.26677	0.29455	1.41362	0.43351	0.12984	0.11149	5.89E+00	5.02E-02	6.77E-06	1.52E-02	6.51E-01	5.99E-02	2.24E-01	1.85E-01	6.70E+00
1645	495061.06	3858801.99	0.56933	0.11259	0.26384	0.29407	1.42247	0.44745	0.13008	0.11259	5.84E+00	5.07E-02	6.69E-06	1.52E-02	6.56E-01	6.19E-02	2.25E-01	1.87E-01	6.66E+00
1646	495111.06	3858801.99	0.56237	0.11339	0.25861	0.28986	1.42993	0.46451	0.12877	0.11339	5.77E+00	5.10E-02	6.56E-06	1.50E-02	6.59E-01	6.42E-02	2.22E-01	1.88E-01	6.59E+00
1647	495161.06	3858801.99	0.55664	0.11414	0.25476	0.28773	1.43678	0.4821	0.12824	0.11414	5.71E+00	5.14E-02	6.46E-06	1.49E-02	6.62E-01	6.67E-02	2.21E-01	1.89E-01	6.54E+00
1648	495211.06	3858801.99	0.55257	0.11466	0.25238	0.28813	1.44299	0.50069	0.12868	0.11466	5.67E+00	5.16E-02	6.40E-06	1.49E-02	6.65E-01	6.92E-02	2.22E-01	1.90E-01	6.50E+00
1649	495261.06	3858801.99	0.54952	0.1153	0.25082	0.29012	1.44847	0.52144	0.12977	0.1153	5.63E+00	5.19E-02	6.36E-06	1.50E-02	6.68E-01	7.21E-02	2.24E-01	1.91E-01	6.47E+00

1650	495311.06	3858801.99	0.54679	0.11586	0.24947	0.29262	1.4532	0.54428	0.13107	0.11586	5.61E+00	5.21E-02	6.33E-06	1.51E-02	6.70E-01	7.52E-02	2.26E-01	1.92E-01	6.45E+00
1651	495361.06	3858801.99	0.54349	0.11653	0.24763	0.2942	1.45684	0.57034	0.1319	0.11653	5.57E+00	5.24E-02	6.28E-06	1.52E-02	6.71E-01	7.89E-02	2.28E-01	1.93E-01	6.43E+00
1652	495411.06	3858801.99	0.54169	0.11717	0.24694	0.29821	1.45989	0.59697	0.1338	0.11717	5.55E+00	5.27E-02	6.26E-06	1.54E-02	6.73E-01	8.25E-02	2.31E-01	1.94E-01	6.41E+00
1653	495461.06	3858801.99	0.53824	0.11708	0.24493	0.2994	1.4617	0.62911	0.13441	0.11708	5.52E+00	5.27E-02	6.21E-06	1.55E-02	6.74E-01	8.70E-02	2.32E-01	1.94E-01	6.39E+00
1654	495511.06	3858801.99	0.53425	0.11753	0.24255	0.29956	1.46252	0.66553	0.1345	0.11753	5.48E+00	5.29E-02	6.15E-06	1.55E-02	6.74E-01	9.20E-02	2.32E-01	1.95E-01	6.35E+00
1655	495561.06	3858801.99	0.5306	0.11746	0.24045	0.30013	1.4625	0.70693	0.13474	0.11746	5.44E+00	5.29E-02	6.10E-06	1.55E-02	6.74E-01	9.77E-02	2.33E-01	1.95E-01	6.32E+00
1656	495611.06	3858801.99	0.52625	0.11753	0.23794	0.2993	1.46153	0.75692	0.13437	0.11753	5.40E+00	5.29E-02	6.04E-06	1.55E-02	6.74E-01	1.05E-01	2.32E-01	1.95E-01	6.28E+00
1657	495661.06	3858801.99	0.52301	0.11774	0.2362	0.30018	1.45997	0.81151	0.13471	0.11774	5.36E+00	5.30E-02	5.99E-06	1.55E-02	6.73E-01	1.12E-01	2.33E-01	1.95E-01	6.25E+00
1658	494311.06	3858851.99	0.6467	0.25845	0.31074	0.32163	1.07286	0.40865	0.26009	0.25845	6.63E+00	1.16E-01	7.88E-06	1.66E-02	4.94E-01	5.65E-02	4.49E-01	4.28E-01	7.34E+00
1659	494361.06	3858851.99	0.64991	0.25486	0.32408	0.33688	1.09889	0.39895	0.25648	0.25486	6.66E+00	1.15E-01	8.22E-06	1.74E-02	5.06E-01	5.52E-02	4.43E-01	4.22E-01	7.38E+00
1660	494411.06	3858851.99	0.6463	0.24636	0.32523	0.33735	1.1219	0.3845	0.2479	0.24636	6.63E+00	1.11E-01	8.25E-06	1.75E-02	5.17E-01	5.32E-02	4.28E-01	4.08E-01	7.35E+00
1661	494461.06	3858851.99	0.64345	0.23798	0.32801	0.33984	1.14462	0.38915	0.23944	0.23798	6.60E+00	1.07E-01	8.32E-06	1.76E-02	5.27E-01	5.38E-02	4.13E-01	3.94E-01	7.32E+00
1662	494511.06	3858851.99	0.6394	0.22956	0.34641	0.34113	1.16607	0.40272	0.23095	0.22956	6.56E+00	1.03E-01	8.79E-06	1.77E-02	5.37E-01	5.57E-02	3.99E-01	3.80E-01	7.29E+00
1663	494561.06	3858851.99	0.63526	0.21972	0.3453	0.34041	1.18699	0.41076	0.22102	0.21972	6.51E+00	9.89E-02	8.76E-06	1.76E-02	5.47E-01	5.68E-02	3.82E-01	3.64E-01	7.25E+00
1664	494611.06	3858851.99	0.63024	0.20906	0.34192	0.33747	1.20676	0.41455	0.21027	0.20906	6.46E+00	9.41E-02	8.67E-06	1.75E-02	5.56E-01	5.73E-02	3.63E-01	3.46E-01	7.20E+00
1665	494661.06	3858851.99	0.62463	0.19781	0.33716	0.3333	1.22564	0.42529	0.19894	0.19781	6.40E+00	8.90E-02	8.55E-06	1.73E-02	5.65E-01	5.88E-02	3.43E-01	3.28E-01	7.15E+00
1666	494711.06	3858851.99	0.61762	0.18542	0.32975	0.32622	1.24342	0.46678	0.18645	0.18542	6.33E+00	8.34E-02	8.37E-06	1.69E-02	5.73E-01	6.45E-02	3.22E-01	3.07E-01	7.09E+00
1667	494761.06	3858851.99	0.61062	0.17302	0.32267	0.31935	1.26046	0.77813	0.17396	0.17302	6.26E+00	7.79E-02	8.19E-06	1.65E-02	5.81E-01	1.08E-01	3.00E-01	2.87E-01	7.06E+00
1668	494811.06	3858851.99	0.60434	0.16135	0.31688	0.31416	1.27694	0.75046	0.16222	0.16135	6.20E+00	7.26E-02	8.04E-06	1.63E-02	5.88E-01	1.04E-01	2.80E-01	2.67E-01	6.99E+00
1669	494861.06	3858851.99	0.59926	0.15096	0.31304	0.3118	1.29311	0.49099	0.15176	0.15096	6.14E+00	6.79E-02	7.94E-06	1.61E-02	5.96E-01	6.79E-02	2.62E-01	2.50E-01	6.90E+00
1670	494911.06	3858851.99	0.59313	0.14012	0.30759	0.30753	1.30809	0.57533	0.14085	0.14012	6.08E+00	6.31E-02	7.80E-06	1.59E-02	6.03E-01	7.95E-02	2.43E-01	2.32E-01	6.85E+00
1671	494961.06	3858851.99	0.5874	0.13005	0.3028	0.30429	1.3223	0.45847	0.1323	0.13005	6.02E+00	5.85E-02	7.68E-06	1.58E-02	6.09E-01	6.34E-02	2.28E-01	2.15E-01	6.78E+00
1672	495011.06	3858851.99	0.58225	0.1209	0.2988	0.30226	1.33593	0.45811	0.13208	0.1209	5.97E+00	5.44E-02	7.58E-06	1.56E-02	6.16E-01	6.33E-02	2.28E-01	2.00E-01	6.75E+00
1673	495061.06	3858851.99	0.57653	0.11192	0.29414	0.29939	1.34863	0.46566	0.13147	0.11192	5.91E+00	5.04E-02	7.46E-06	1.55E-02	6.22E-01	6.44E-02	2.27E-01	1.85E-01	6.71E+00
1674	495111.06	3858851.99	0.56794	0.11114	0.28657	0.29222	1.35976	0.48347	0.12907	0.11114	5.82E+00	5.00E-02	7.27E-06	1.51E-02	6.27E-01	6.68E-02	2.23E-01	1.84E-01	6.62E+00
1675	495161.06	3858851.99	0.56227	0.11201	0.28223	0.28995	1.3707	0.50167	0.1286	0.11201	5.77E+00	5.04E-02	7.16E-06	1.50E-02	6.32E-01	6.94E-02	2.22E-01	1.86E-01	6.57E+00
1676	495211.06	3858851.99	0.56012	0.11309	0.28135	0.29328	1.38159	0.52198	0.13036	0.11309	5.74E+00	5.09E-02	7.14E-06	1.52E-02	6.37E-01	7.22E-02	2.25E-01	1.87E-01	6.56E+00
1677	495261.06	3858851.99	0.5569	0.11367	0.27932	0.29499	1.39133	0.54465	0.13143	0.11367	5.71E+00	5.12E-02	7.09E-06	1.53E-02	6.41E-01	7.53E-02	2.27E-01	1.88E-01	6.53E+00
1678	495311.06	3858851.99	0.55432	0.11439	0.27784	0.29781	1.40031	0.56919	0.13294	0.11439	5.68E+00	5.15E-02	7.05E-06	1.54E-02	6.45E-01	7.87E-02	2.30E-01	1.90E-01	6.51E+00
1679	495361.06	3858851.99	0.55126	0.11503	0.27582	0.29988	1.40831	0.59688	0.13412	0.11503	5.65E+00	5.18E-02	7.00E-06	1.55E-02	6.49E-01	8.25E-02	2.32E-01	1.91E-01	6.49E+00
1680	495411.06	3858851.99	0.5482	0.11558	0.27373	0.30196	1.41539	0.62755	0.13526	0.11558	5.62E+00	5.20E-02	6.94E-06	1.56E-02	6.52E-01	8.68E-02	2.34E-01	1.92E-01	6.47E+00
1681	495461.06	3858851.99	0.54528	0.11607	0.27176	0.30432	1.4216	0.66054	0.13648	0.11607	5.59E+00	5.22E-02	6.89E-06	1.58E-02	6.55E-01	9.13E-02	2.36E-01	1.92E-01	6.45E+00
1682	495511.06	3858851.99	0.54252	0.11649	0.26816	0.30513	1.42717	0.69244	0.13737	0.11649	5.56E+00	5.24E-02	6.80E-06	1.58E-02	6.58E-01	9.57E-02	2.37E-01	1.93E-01	6.43E+00
1683	495561.06	3858851.99	0.53659	0.11698	0.26518	0.30381	1.43084	0.75258	0.13669	0.11698	5.50E+00	5.26E-02	6.73E-06	1.57E-02	6.59E-01	1.04E-01	2.36E-01	1.94E-01	6.38E+00
1684	495611.06	3858851.99	0.532	0.11699	0.2618	0.303	1.43403	0.80992	0.13648	0.11699	5.46E+00	5.27E-02	6.64E-06	1.57E-02	6.61E-01	1.12E-01	2.36E-01	1.94E-01	6.34E+00
1685	495661.06	3858851.99	0.52913	0.11738	0.25982	0.30502	1.43676	0.91007	0.13741	0.11738	5.43E+00	5.28E-02	6.59E-06	1.58E-02	6.62E-01	1.26E-01	2.37E-01	1.94E-01	6.33E+00
1686	494311.06	3858901.99	0.6562	0.27567	0.34728	0.33898	1.01725	0.50761	0.27761	0.27567	6.73E+00	1.24E-01	8.81E-06	1.75E-02	4.69E-01	7.02E-02	4.79E-01	4.57E-01	7.43E+00
1687	494361.06	3858901.99	0.65694	0.27081	0.35986	0.35055	1.15139	0.49568	0.27271	0.27081	6.74E+00	1.22E-01	9.13E-06	1.81E-02	5.31E-01	6.85E-02	4.71E-01	4.49E-01	7.50E+00
1688	494411.06	3858901.99	0.65387	0.26363	0.36281	0.35279	1.16105	0.48363	0.26546	0.26363	6.70E+00	1.19E-01	9.20E-06	1.83E-02	5.35E-01	6.69E-02	4.58E-01	4.37E-01	7.47E+00
1689	494461.06	3858901.99	0.65024	0.2569	0.38271	0.35531	1.21823	0.47219	0.25865	0.2569	6.67E+00	1.16E-01	9.71E-06	1.84E-02	5.61E-01	6.53E-02	4.47E-01	4.26E-01	7.45E+00
1690	494511.06	3858901.99	0.6467	0.24852	0.38363	0.35623	1.20248	0.4576	0.25019	0.24852	6.63E+00	1.12E-01	9.73E-06	1.84E-02	5.54E-01	6.33E-02	4.32E-01	4.12E-01	7.40E+00
1691	494561.06	3858901.99	0.6417	0.2391	0.38021	0.35291	1.13325	0.44735	0.24067	0.2391	6.58E+00	1.08E-01	9.65E-06	1.83E-02	5.22E-01	6.18E-02	4.16E-01	3.96E-01	7.31E+00
1692	494611.06	3858901.99	0.63522	0.2283	0.37281	0.34553	1.09096	0.4478	0.22976	0.2283	6.51E+00	1.03E-01	9.46E-06	1.79E-02	5.03E-01	6.19E-02	3.97E-01	3.78E-01	7.22E+00
1693	494661.06	3858901.99	0.63018	0.21796	0.36919	0.34248	1.11241	0.46161	0.21934	0.21796	6.46E+00	9.81E-02	9.37E-06	1.77E-02	5.13E-01	6.38E-02	3.79E-01	3.61E-01	7.17E+00
1694	494711.06	3858901.99	0.6237	0.20633	0.36222	0.33594	1.13265	0.48595	0.2076	0.20633	6.40E+00	9.29E-02	9.19E-06	1.74E-02	5.22E-01	6.72E-02	3.58E-01	3.42E-01	7.11E+00
1695	494761.06	3858901.99	0.61634	0.19382	0.35383	0.3279	1.15215	0.84551	0.19498	0.19382	6.32E+00	8.72E-02	8.98E-06	1.70E-02	5.31E-01	1.17E-01	3.37E-01	3.21E-01	7.09E+00
1696	494811.06	3858901.99	0.61075	0.18259	0.34904	0.32414	1.17169	1.06776	0.18366	0.18259	6.26E+00	8.22E-02	8.85E-06	1.68E-02	5.40E-01	1.48E-01	3.17E-01	3.03E-01	7.06E+00
1697	494861.06	3858901.99	0.60584	0.17196	0.34532	0.3217	1.19079	0.61917	0.17296	0.17196	6.21E+00	7.74E-02	8.76E-06	1.67E-02	5.49E-01	8.56E-02	2.99E-01	2.85E-01	6.95E+00
1698	494911.06	3858901.99	0.59832	0.15944	0.33709	0.3138	1.20836	0.63592	0.16035	0.15944	6.14E+00	7.18E-02	8.55E-06	1.62E-02	5.57E-01	8.79E-02	2.77E-01	2.64E-01	6.88E+00
1699	494961.06	3858901.99	0.59299	0.14896	0.33251	0.31081	1.226	0.54852	0.1498	0.14896	6.08E+00	6.70E-02	8.44E-06	1.61E-02	5.65E-01	7.58E-02	2.59E-01	2.47E-01	6.82E+00
1700	495011.06	3858901.99	0.58769	0.13887	0.32793	0.30811	1.24286	0.55563	0.13966	0.13887	6.03E+00	6.25E-02	8.32E-06	1.59E-02	5.73E-01	7.68E-02	2.41E-01	2.30E-01	6.77E+00
1701	495061.06	3858901.99	0.58106	0.12831	0.32159	0.30317	1.25864	0.48895	0.13191	0.12831	5.96E+00	5.77E-02	8.16E-06	1.57E-02	5.80E-01	6.76E-02	2.28E-01	2.13E-01	6.69E+00
1702	495111.06	3858901.99	0.5724	0.11707	0.31317	0.29518	1.27322	0.50492	0.12934	0.11707	5.87E+00	5.27E-02	7.94E-06	1.53E-02	5.87E-01	6.98E-02	2.23E-01	1.94E-01	6.62E+00
1703	495161.06	3858901.99	0.56812	0.10992	0.30999	0.29483	1.28811	0.52453	0.12969	0.10992	5.83E+00	4.95E-02	7.86E-06	1.53E-02	5.94E-01	7.25E-02	2.24E-01	1.82E-01	6.60E+00
1704	495211.06	3858901.99	0.56688	0.11093	0.31005	0.29953	1.30291	0.54861	0.13203	0.11093	5.81E+00	4.99E-02	7.87E-06	1.55E-02	6.00E-01	7.58E-02	2.28E-01	1.84E-01	6.60E+00
1705	495261.06	3858901.99	0.56402	0.11185	0.30818	0.3017	1.31658	0.57377	0.13336	0.11185	5.78E+00	5.03E-02	7.82E-06	1.56E-02	6.07E-01	7.93E-02	2.30E-01	1.85E-01	6.58E+00
1706	495311.06	3858901.99	0.56063	0.11293	0.30561	0.3031	1.32924	0.60097	0.13435	0.11293	5.75E+00	5.08E-02	7.75E-06	1.57E-02	6.13E-01	8.31E-02	2.32E-01	1.87E-01	6.56E+00

1707	495361.06	3858901.99	0.55742	0.11348	0.30313	0.30483	1.34112	0.63219	0.13546	0.11348
1708	495411.06	3858901.99	0.55497	0.1142	0.30142	0.30801	1.35247	0.67434	0.13713	0.1142
1709	495461.06	3858901.99	0.55125	0.11482	0.29822	0.30895	1.3625	0.73823	0.13786	0.11482
1710	495511.06	3858901.99	0.54682	0.11536	0.29425	0.30861	1.37149	0.76731	0.13807	0.11536
1711	495561.06	3858901.99	0.54278	0.11605	0.29069	0.30895	1.37979	0.80599	0.1385	0.11605
1712	495611.06	3858901.99	0.53814	0.11618	0.28656	0.30819	1.38716	0.92356	0.13847	0.11618
1713	495661.06	3858901.99	0.53539	0.11673	0.28427	0.31075	1.39396	1.05467	0.13973	0.11673
1714	494311.06	3858951.99	0.66616	0.28806	0.39236	0.36226	1.35686	0.6699	0.2903	0.28806
1715	494361.06	3858951.99	0.6639	0.28242	0.39859	0.36757	1.42568	0.64619	0.2846	0.28242
1716	494411.06	3858951.99	0.65933	0.27639	0.39693	0.36572	1.38586	0.63391	0.27843	0.27639
1717	494461.06	3858951.99	0.65566	0.27077	0.41643	0.36853	1.45355	0.61667	0.27276	0.27077
1718	494511.06	3858951.99	0.65142	0.26339	0.41532	0.36755	1.4206	0.60197	0.26531	0.26339
1719	494561.06	3858951.99	0.64648	0.25536	0.41174	0.36424	1.35399	0.59174	0.25718	0.25536
1720	494611.06	3858951.99	0.6407	0.24639	0.40548	0.35827	1.25324	0.58627	0.2481	0.24639
1721	494661.06	3858951.99	0.635	0.23666	0.39961	0.35295	1.16212	0.58011	0.23827	0.23666
1722	494711.06	3858951.99	0.62802	0.22555	0.3907	0.34449	1.03397	0.57806	0.22704	0.22555
1723	494761.06	3858951.99	0.62196	0.21448	0.38434	0.33887	1.03678	0.90724	0.21587	0.21448
1724	494811.06	3858951.99	0.61679	0.20379	0.37997	0.33562	1.05842	1.49775	0.20509	0.20379
1725	494861.06	3858951.99	0.6116	0.19298	0.37543	0.3324	1.07957	0.79114	0.19418	0.19298
1726	494911.06	3858951.99	0.60523	0.18126	0.36862	0.32678	1.09975	0.72132	0.18237	0.18126
1727	494961.06	3858951.99	0.60059	0.17095	0.36493	0.3249	1.12	0.7283	0.17198	0.17095
1728	495011.06	3858951.99	0.59209	0.15777	0.35455	0.31478	1.13842	0.66714	0.1587	0.15777
1729	495061.06	3858951.99	0.58362	0.14506	0.34503	0.30581	1.1563	0.55471	0.14591	0.14506
1730	495111.06	3858951.99	0.57632	0.13381	0.33776	0.29968	1.17401	0.5341	0.13459	0.13381
1731	495161.06	3858951.99	0.57591	0.12771	0.33928	0.30578	1.19298	0.57821	0.1329	0.12771
1732	495211.06	3858951.99	0.57309	0.12031	0.33755	0.3078	1.21051	0.61938	0.13416	0.12031
1733	495261.06	3858951.99	0.57019	0.11322	0.33556	0.30979	1.22736	0.63084	0.13542	0.11322
1734	495311.06	3858951.99	0.56542	0.11071	0.33095	0.30838	1.24305	0.7286	0.1354	0.11071
1735	495361.06	3858951.99	0.56276	0.11163	0.32899	0.31098	1.25844	0.83101	0.13686	0.11163
1736	495411.06	3858951.99	0.56041	0.11248	0.32733	0.31431	1.27316	0.90788	0.13859	0.11248
1737	495461.06	3858951.99	0.5569	0.11325	0.32402	0.31547	1.28691	0.93726	0.13949	0.11325
1738	495511.06	3858951.99	0.55404	0.11419	0.32147	0.31798	1.30007	0.97211	0.14087	0.11419
1739	495561.06	3858951.99	0.54841	0.11479	0.31534	0.3149	1.31147	0.94471	0.14019	0.11479
1740	495611.06	3858951.99	0.54402	0.11532	0.31083	0.31438	1.32257	1.06695	0.14039	0.11532
1741	495661.06	3858951.99	0.54129	0.11558	0.30821	0.31709	1.3334	1.22306	0.14179	0.11558
1742	494311.06	3859001.99	0.67285	0.29252	0.43212	0.38023	1.6158	0.91559	0.29503	0.29252
1743	494361.06	3859001.99	0.66902	0.28843	0.43295	0.38125	1.63038	0.90917	0.29086	0.28843
1744	494411.06	3859001.99	0.66458	0.28506	0.44932	0.38195	1.67786	0.90477	0.28741	0.28506
1745	494461.06	3859001.99	0.66032	0.27983	0.44803	0.38131	1.66078	0.89243	0.28204	0.27983
1746	494511.06	3859001.99	0.65604	0.27403	0.44653	0.38051	1.63862	0.87599	0.27618	0.27403
1747	494561.06	3859001.99	0.65031	0.26815	0.43995	0.37489	1.5445	0.8717	0.27024	0.26815
1748	494611.06	3859001.99	0.64479	0.26107	0.43396	0.36982	1.45763	0.86333	0.26298	0.26107
1749	494661.06	3859001.99	0.63873	0.25284	0.42632	0.36309	1.34838	0.85992	0.25468	0.25284
1750	494711.06	3859001.99	0.63201	0.2433	0.41709	0.35478	1.22144	0.86013	0.24501	0.2433
1751	494761.06	3859001.99	0.62664	0.23354	0.41172	0.35046	1.14625	0.9417	0.23514	0.23354
1752	494811.06	3859001.99	0.62216	0.22388	0.40857	0.3486	1.10145	2.03849	0.22539	0.22388
1753	494861.06	3859001.99	0.61648	0.21318	0.4024	0.34374	1.01987	1.03327	0.21459	0.21318
1754	494911.06	3859001.99	0.61055	0.20203	0.39572	0.3385	0.98523	0.85176	0.20333	0.20203
1755	494961.06	3859001.99	0.60444	0.19061	0.38886	0.33313	1.00652	0.83606	0.19181	0.19061
1756	495011.06	3859001.99	0.59223	0.1744	0.37173	0.31523	1.02552	0.72032	0.17547	0.1744
1757	495061.06	3859001.99	0.58765	0.16419	0.3679	0.31339	1.04663	0.77545	0.16518	0.16419
1758	495111.06	3859001.99	0.58073	0.15247	0.36052	0.3074	1.06643	0.73613	0.15337	0.15247
1759	495161.06	3859001.99	0.5814	0.1467	0.36422	0.31569	1.08795	0.92059	0.14757	0.1467
1760	495211.06	3859001.99	0.57789	0.13808	0.36148	0.31614	1.10779	0.91321	0.13889	0.13808
1761	495261.06	3859001.99	0.57515	0.13035	0.35978	0.31832	1.12719	1.00098	0.13754	0.13035
1762	495311.06	3859001.99	0.57143	0.12227	0.35636	0.31852	1.14563	1.05728	0.13814	0.12227
1763	495361.06	3859001.99	0.56858	0.11519	0.35415	0.32068	1.16392	1.10412	0.13941	0.11519

5.72E+00	5.11E-02	7.69E-06	1.58E-02	6.18E-01	8.74E-02	2.34E-01	1.88E-01	6.53E+00
5.69E+00	5.14E-02	7.65E-06	1.59E-02	6.23E-01	9.32E-02	2.37E-01	1.89E-01	6.52E+00
5.65E+00	5.17E-02	7.57E-06	1.60E-02	6.28E-01	1.02E-01	2.38E-01	1.90E-01	6.50E+00
5.61E+00	5.19E-02	7.46E-06	1.60E-02	6.32E-01	1.06E-01	2.38E-01	1.91E-01	6.46E+00
5.57E+00	5.22E-02	7.37E-06	1.60E-02	6.36E-01	1.11E-01	2.39E-01	1.92E-01	6.43E+00
5.52E+00	5.23E-02	7.27E-06	1.60E-02	6.39E-01	1.28E-01	2.39E-01	1.93E-01	6.40E+00
5.49E+00	5.25E-02	7.21E-06	1.61E-02	6.42E-01	1.46E-01	2.41E-01	1.93E-01	6.39E+00
6.83E+00	1.30E-01	9.95E-06	1.88E-02	6.25E-01	9.26E-02	5.01E-01	4.77E-01	7.72E+00
6.81E+00	1.27E-01	1.01E-05	1.90E-02	6.57E-01	8.93E-02	4.91E-01	4.68E-01	7.72E+00
6.76E+00	1.24E-01	1.01E-05	1.89E-02	6.39E-01	8.76E-02	4.81E-01	4.58E-01	7.65E+00
6.72E+00	1.22E-01	1.06E-05	1.91E-02	6.70E-01	8.53E-02	4.71E-01	4.49E-01	7.64E+00
6.68E+00	1.19E-01	1.05E-05	1.90E-02	6.55E-01	8.32E-02	4.58E-01	4.36E-01	7.58E+00
6.63E+00	1.15E-01	1.04E-05	1.89E-02	6.24E-01	8.18E-02	4.44E-01	4.23E-01	7.49E+00
6.57E+00	1.11E-01	1.03E-05	1.85E-02	5.78E-01	8.11E-02	4.28E-01	4.08E-01	7.38E+00
6.51E+00	1.07E-01	1.01E-05	1.83E-02	5.36E-01	8.02E-02	4.11E-01	3.92E-01	7.27E+00
6.44E+00	1.02E-01	9.91E-06	1.78E-02	4.76E-01	7.99E-02	3.92E-01	3.74E-01	7.13E+00
6.38E+00	9.65E-02	9.75E-06	1.75E-02	4.78E-01	1.25E-01	3.73E-01	3.55E-01	7.11E+00
6.32E+00	9.17E-02	9.64E-06	1.74E-02	4.88E-01	2.07E-01	3.54E-01	3.38E-01	7.14E+00
6.27E+00	8.68E-02	9.52E-06	1.72E-02	4.98E-01	1.09E-01	3.35E-01	3.20E-01	7.00E+00
6.21E+00	8.16E-02	9.35E-06	1.69E-02	5.07E-01	9.97E-02	3.15E-01	3.00E-01	6.93E+00
6.16E+00	7.69E-02	9.26E-06	1.68E-02	5.16E-01	1.01E-01	2.97E-01	2.83E-01	6.88E+00
6.07E+00	7.10E-02	8.99E-06	1.63E-02	5.25E-01	9.22E-02	2.74E-01	2.61E-01	6.79E+00
5.98E+00	6.53E-02	8.75E-06	1.58E-02	5.33E-01	7.67E-02	2.52E-01	2.40E-01	6.69E+00
5.91E+00	6.02E-02	8.57E-06	1.55E-02	5.41E-01	7.38E-02	2.32E-01	2.22E-01	6.61E+00
5.91E+00	5.75E-02	8.61E-06	1.58E-02	5.50E-01	7.99E-02	2.29E-01	2.12E-01	6.63E+00
5.88E+00	5.41E-02	8.56E-06	1.59E-02	5.58E-01	8.56E-02	2.32E-01	1.99E-01	6.62E+00
5.85E+00	5.10E-02	8.51E-06	1.60E-02	5.66E-01	8.72E-02	2.34E-01	1.88E-01	6.61E+00
5.80E+00	4.98E-02	8.40E-06	1.60E-02	5.73E-01	1.01E-01	2.34E-01	1.83E-01	6.59E+00
5.77E+00	5.02E-02	8.35E-06	1.61E-02	5.80E-01	1.15E-01	2.36E-01	1.85E-01	6.58E+00
5.75E+00	5.06E-02	8.30E-06	1.63E-02	5.87E-01	1.26E-01	2.39E-01	1.86E-01	6.58E+00
5.71E+00	5.10E-02	8.22E-06	1.63E-02	5.93E-01	1.30E-01	2.41E-01	1.88E-01	6.55E+00
5.68E+00	5.14E-02	8.15E-06	1.65E-02	5.99E-01	1.34E-01	2.43E-01	1.89E-01	6.54E+00
5.62E+00	5.17E-02	8.00E-06	1.63E-02	6.04E-01	1.31E-01	2.42E-01	1.90E-01	6.48E+00
5.58E+00	5.19E-02	7.89E-06	1.63E-02	6.09E-01	1.48E-01	2.42E-01	1.91E-01	6.45E+00
5.55E+00	5.20E-02	7.82E-06	1.64E-02	6.14E-01	1.69E-01	2.45E-01	1.92E-01	6.46E+00
6.90E+00	1.32E-01	1.10E-05	1.97E-02	7.45E-01	1.27E-01	5.09E-01	4.85E-01	7.95E+00
6.86E+00	1.30E-01	1.10E-05	1.97E-02	7.51E-01	1.26E-01	5.02E-01	4.78E-01	7.91E+00
6.81E+00	1.28E-01	1.14E-05	1.98E-02	7.73E-01	1.25E-01	4.96E-01	4.72E-01	7.88E+00
6.77E+00	1.26E-01	1.14E-05	1.97E-02	7.65E-01	1.23E-01	4.87E-01	4.64E-01	7.83E+00
6.73E+00	1.23E-01	1.13E-05	1.97E-02	7.55E-01	1.21E-01	4.77E-01	4.54E-01	7.77E+00
6.67E+00	1.21E-01	1.12E-05	1.94E-02	7.12E-01	1.21E-01	4.67E-01	4.44E-01	7.66E+00
6.61E+00	1.17E-01	1.10E-05	1.91E-02	6.72E-01	1.19E-01	4.54E-01	4.33E-01	7.56E+00
6.55E+00	1.14E-01	1.08E-05	1.88E-02	6.21E-01	1.19E-01	4.40E-01	4.19E-01	7.44E+00
6.48E+00	1.09E-01	1.06E-05	1.84E-02	5.63E-01	1.19E-01	4.23E-01	4.03E-01	7.31E+00
6.43E+00	1.05E-01	1.04E-05	1.81E-02	5.28E-01	1.30E-01	4.06E-01	3.87E-01	7.23E+00
6.38E+00	1.01E-01	1.04E-05	1.80E-02	5.08E-01	2.82E-01	3.89E-01	3.71E-01	7.31E+00
6.32E+00	9.59E-02	1.02E-05	1.78E-02	4.70E-01	1.43E-01	3.70E-01	3.53E-01	7.07E+00
6.26E+00	9.09E-02	1.00E-05	1.75E-02	4.54E-01	1.18E-01	3.51E-01	3.35E-01	6.96E+00
6.20E+00	8.58E-02	9.86E-06	1.72E-02	4.64E-01	1.16E-01	3.31E-01	3.16E-01	6.90E+00
6.07E+00	7.85E-02	9.43E-06	1.63E-02	4.73E-01	9.96E-02	3.03E-01	2.89E-01	6.75E+00
6.03E+00	7.39E-02	9.33E-06	1.62E-02	4.82E-01	1.07E-01	2.85E-01	2.72E-01	6.72E+00
5.95E+00	6.86E-02	9.15E-06	1.59E-02	4.91E-01	1.02E-01	2.65E-01	2.53E-01	6.64E+00
5.96E+00	6.60E-02	9.24E-06	1.63E-02	5.01E-01	1.27E-01	2.55E-01	2.43E-01	6.68E+00
5.93E+00	6.21E-02	9.17E-06	1.64E-02	5.11E-01	1.26E-01	2.40E-01	2.29E-01	6.65E+00
5.90E+00	5.87E-02	9.13E-06	1.65E-02	5.19E-01	1.38E-01	2.37E-01	2.16E-01	6.65E+00
5.86E+00	5.50E-02	9.04E-06	1.65E-02	5.28E-01	1.46E-01	2.39E-01	2.03E-01	6.64E+00
5.83E+00	5.18E-02	8.98E-06	1.66E-02	5.36E-01	1.53E-01	2.41E-01	1.91E-01	6.64E+00

1764	495411.06	3859001.99	0.56528	0.11055	0.3511	0.32198	1.18137	1.12668	0.14039	0.11055	5.80E+00	4.98E-02	8.91E-06	1.67E-02	5.44E-01	1.56E-01	2.42E-01	1.83E-01	6.62E+00
1765	495461.06	3859001.99	0.56217	0.11146	0.34821	0.32379	1.19809	1.1518	0.14153	0.11146	5.76E+00	5.02E-02	8.83E-06	1.68E-02	5.52E-01	1.59E-01	2.44E-01	1.85E-01	6.60E+00
1766	495511.06	3859001.99	0.55729	0.11226	0.34241	0.32175	1.2137	1.12866	0.14132	0.11226	5.71E+00	5.05E-02	8.69E-06	1.67E-02	5.59E-01	1.56E-01	2.44E-01	1.86E-01	6.55E+00
1767	495561.06	3859001.99	0.55335	0.11302	0.33803	0.32185	1.22889	1.1976	0.14184	0.11302	5.67E+00	5.09E-02	8.58E-06	1.67E-02	5.66E-01	1.66E-01	2.45E-01	1.87E-01	6.53E+00
1768	495611.06	3859001.99	0.54926	0.1137	0.33337	0.32165	1.24322	1.31883	0.14224	0.1137	5.63E+00	5.12E-02	8.46E-06	1.67E-02	5.73E-01	1.82E-01	2.46E-01	1.88E-01	6.51E+00
1769	495661.06	3859001.99	0.54743	0.11434	0.33189	0.32638	1.25757	1.46644	0.14439	0.11434	5.61E+00	5.15E-02	8.42E-06	1.69E-02	5.80E-01	2.03E-01	2.49E-01	1.89E-01	6.52E+00
1770	494311.06	3859051.99	0.67795	0.29215	0.46731	0.39469	1.78844	1.19327	0.29483	0.29215	6.95E+00	1.31E-01	1.19E-05	2.04E-02	8.24E-01	1.65E-01	5.09E-01	4.84E-01	8.12E+00
1771	494361.06	3859051.99	0.6737	0.29062	0.4837	0.3965	1.86276	1.23046	0.29327	0.29062	6.91E+00	1.31E-01	1.23E-05	2.05E-02	8.58E-01	1.70E-01	5.06E-01	4.82E-01	8.11E+00
1772	494411.06	3859051.99	0.66896	0.28802	0.48014	0.39478	1.84369	1.27085	0.29053	0.28802	6.86E+00	1.30E-01	1.22E-05	2.04E-02	8.50E-01	1.76E-01	5.02E-01	4.77E-01	8.06E+00
1773	494461.06	3859051.99	0.66402	0.2851	0.47569	0.39222	1.80816	1.30931	0.28753	0.2851	6.81E+00	1.28E-01	1.21E-05	2.03E-02	8.33E-01	1.81E-01	4.96E-01	4.72E-01	8.00E+00
1774	494511.06	3859051.99	0.65865	0.28163	0.4697	0.38826	1.74713	1.34666	0.28397	0.28163	6.75E+00	1.27E-01	1.19E-05	2.01E-02	8.05E-01	1.86E-01	4.90E-01	4.67E-01	7.92E+00
1775	494561.06	3859051.99	0.65361	0.27704	0.4648	0.38512	1.69704	1.36794	0.27929	0.27704	6.70E+00	1.25E-01	1.18E-05	1.99E-02	7.82E-01	1.89E-01	4.82E-01	4.59E-01	7.84E+00
1776	494611.06	3859051.99	0.64798	0.27204	0.4578	0.37993	1.61471	1.38781	0.2741	0.27204	6.64E+00	1.22E-01	1.16E-05	1.97E-02	7.44E-01	1.92E-01	4.73E-01	4.51E-01	7.74E+00
1777	494661.06	3859051.99	0.64213	0.26594	0.45017	0.37405	1.52137	1.39983	0.26795	0.26594	6.58E+00	1.20E-01	1.14E-05	1.94E-02	7.01E-01	1.94E-01	4.63E-01	4.41E-01	7.64E+00
1778	494711.06	3859051.99	0.63647	0.25859	0.44316	0.36867	1.43467	1.4026	0.26051	0.25859	6.53E+00	1.16E-01	1.12E-05	1.91E-02	6.61E-01	1.94E-01	4.50E-01	4.28E-01	7.54E+00
1779	494761.06	3859051.99	0.63072	0.25021	0.43588	0.36295	1.34353	1.40864	0.25202	0.25021	6.47E+00	1.13E-01	1.11E-05	1.88E-02	6.19E-01	1.95E-01	4.35E-01	4.15E-01	7.43E+00
1780	494811.06	3859051.99	0.62568	0.24124	0.43072	0.35933	1.28161	2.44236	0.24295	0.24124	6.42E+00	1.09E-01	1.09E-05	1.86E-02	5.91E-01	3.38E-01	4.19E-01	4.00E-01	7.49E+00
1781	494861.06	3859051.99	0.62056	0.23172	0.42532	0.3556	1.21649	1.41986	0.23332	0.23172	6.36E+00	1.04E-01	1.08E-05	1.84E-02	5.61E-01	1.96E-01	4.03E-01	3.84E-01	7.26E+00
1782	494911.06	3859051.99	0.61422	0.22101	0.41683	0.34874	1.1107	1.39508	0.22249	0.22101	6.30E+00	9.95E-02	1.06E-05	1.81E-02	5.12E-01	1.93E-01	3.84E-01	3.66E-01	7.14E+00
1783	494961.06	3859051.99	0.6058	0.20841	0.40445	0.33766	0.95859	1.3649	0.20976	0.20841	6.21E+00	9.38E-02	1.03E-05	1.75E-02	4.42E-01	1.89E-01	3.62E-01	3.45E-01	6.97E+00
1784	495011.06	3859051.99	0.59848	0.19617	0.39532	0.32988	0.91137	1.30673	0.19741	0.19617	6.14E+00	8.83E-02	1.00E-05	1.71E-02	4.20E-01	1.81E-01	3.41E-01	3.25E-01	6.86E+00
1785	495061.06	3859051.99	0.5926	0.18483	0.38903	0.32512	0.93308	1.19004	0.18597	0.18483	6.08E+00	8.32E-02	9.87E-06	1.68E-02	4.30E-01	1.65E-01	3.21E-01	3.06E-01	6.79E+00
1786	495111.06	3859051.99	0.58823	0.17468	0.38522	0.32352	0.95507	1.23166	0.17574	0.17468	6.03E+00	7.86E-02	9.77E-06	1.67E-02	4.40E-01	1.70E-01	3.03E-01	2.89E-01	6.75E+00
1787	495161.06	3859051.99	0.58696	0.16704	0.38661	0.32844	0.97758	1.36386	0.16805	0.16704	6.02E+00	7.52E-02	9.81E-06	1.70E-02	4.51E-01	1.89E-01	2.90E-01	2.77E-01	6.76E+00
1788	495211.06	3859051.99	0.58228	0.15699	0.38183	0.32623	0.99854	1.28593	0.15792	0.15699	5.97E+00	7.07E-02	9.69E-06	1.69E-02	4.60E-01	1.78E-01	2.73E-01	2.60E-01	6.71E+00
1789	495261.06	3859051.99	0.58013	0.14911	0.38135	0.32955	1.02008	1.36504	0.14998	0.14911	5.95E+00	6.71E-02	9.67E-06	1.71E-02	4.70E-01	1.89E-01	2.59E-01	2.47E-01	6.70E+00
1790	495311.06	3859051.99	0.57615	0.14011	0.3774	0.32894	1.04045	1.35221	0.14093	0.14011	5.91E+00	6.31E-02	9.57E-06	1.70E-02	4.79E-01	1.87E-01	2.43E-01	2.32E-01	6.67E+00
1791	495361.06	3859051.99	0.57292	0.13201	0.37461	0.33005	1.0605	1.40101	0.14171	0.13201	5.87E+00	5.94E-02	9.50E-06	1.71E-02	4.89E-01	1.94E-01	2.45E-01	2.19E-01	6.66E+00
1792	495411.06	3859051.99	0.57018	0.12462	0.37253	0.33235	1.08038	1.51016	0.14298	0.12462	5.85E+00	5.61E-02	9.45E-06	1.72E-02	4.98E-01	2.09E-01	2.47E-01	2.06E-01	6.67E+00
1793	495461.06	3859051.99	0.56734	0.11753	0.37013	0.33459	1.09962	1.63163	0.14424	0.11753	5.82E+00	5.29E-02	9.39E-06	1.73E-02	5.07E-01	2.26E-01	2.49E-01	1.95E-01	6.67E+00
1794	495511.06	3859051.99	0.5624	0.11036	0.36373	0.33189	1.11746	1.65272	0.14385	0.11036	5.77E+00	4.97E-02	9.23E-06	1.72E-02	5.15E-01	2.28E-01	2.48E-01	1.83E-01	6.64E+00
1795	495561.06	3859051.99	0.55802	0.11124	0.35828	0.33053	1.13501	1.74339	0.1439	0.11124	5.72E+00	5.01E-02	9.09E-06	1.71E-02	5.23E-01	2.41E-01	2.48E-01	1.84E-01	6.62E+00
1796	495611.06	3859051.99	0.55386	0.11206	0.35315	0.32975	1.15208	1.82422	0.14411	0.11206	5.68E+00	5.04E-02	8.96E-06	1.71E-02	5.31E-01	2.52E-01	2.49E-01	1.86E-01	6.59E+00
1797	495661.06	3859051.99	0.55176	0.11283	0.35141	0.33398	1.16916	2.01249	0.14607	0.11283	5.66E+00	5.08E-02	8.91E-06	1.73E-02	5.39E-01	2.78E-01	2.52E-01	1.87E-01	6.61E+00
1798	494311.06	3859101.99	0.68246	0.29102	0.51631	0.4088	1.98614	1.33	0.29397	0.29102	7.00E+00	1.31E-01	1.31E-05	2.12E-02	9.15E-01	1.84E-01	5.08E-01	4.82E-01	8.27E+00
1799	494361.06	3859101.99	0.67767	0.29029	0.51211	0.40745	1.95935	1.4257	0.29309	0.29029	6.95E+00	1.31E-01	1.30E-05	2.11E-02	9.03E-01	1.97E-01	5.06E-01	4.81E-01	8.23E+00
1800	494411.06	3859101.99	0.67318	0.28855	0.5089	0.40685	1.94835	1.52893	0.29127	0.28855	6.90E+00	1.30E-01	1.29E-05	2.11E-02	8.98E-01	2.11E-01	5.03E-01	4.78E-01	8.19E+00
1801	494461.06	3859101.99	0.66797	0.28662	0.50302	0.4042	1.92525	1.65536	0.2892	0.28662	6.85E+00	1.29E-01	1.28E-05	2.09E-02	8.87E-01	2.29E-01	4.99E-01	4.75E-01	8.14E+00
1802	494511.06	3859101.99	0.6621	0.28465	0.4936	0.39925	1.86293	1.8108	0.28716	0.28465	6.79E+00	1.28E-01	1.25E-05	2.07E-02	8.59E-01	2.50E-01	4.96E-01	4.72E-01	8.07E+00
1803	494561.06	3859101.99	0.65684	0.28176	0.48708	0.3957	1.81774	1.97205	0.28416	0.28176	6.74E+00	1.27E-01	1.24E-05	2.05E-02	8.38E-01	2.73E-01	4.91E-01	4.67E-01	8.02E+00
1804	494611.06	3859101.99	0.65064	0.27936	0.47696	0.38896	1.71952	2.17476	0.28169	0.27936	6.67E+00	1.26E-01	1.21E-05	2.01E-02	7.92E-01	3.01E-01	4.86E-01	4.63E-01	7.93E+00
1805	494661.06	3859101.99	0.64545	0.27469	0.47083	0.38537	1.66805	2.346	0.27692	0.27469	6.62E+00	1.24E-01	1.19E-05	1.99E-02	7.69E-01	3.24E-01	4.78E-01	4.55E-01	7.88E+00
1806	494711.06	3859101.99	0.63876	0.27011	0.45973	0.37713	1.54562	2.55217	0.2722	0.27011	6.55E+00	1.22E-01	1.17E-05	1.95E-02	7.12E-01	3.53E-01	4.70E-01	4.48E-01	7.78E+00
1807	494761.06	3859101.99	0.63464	0.26319	0.45698	0.37636	1.53187	2.57859	0.26521	0.26319	6.51E+00	1.18E-01	1.16E-05	1.95E-02	7.06E-01	3.56E-01	4.58E-01	4.36E-01	7.73E+00
1808	494811.06	3859101.99	0.62918	0.25591	0.44984	0.37151	1.4566	2.66544	0.2578	0.25591	6.45E+00	1.15E-01	1.14E-05	1.92E-02	6.71E-01	3.69E-01	4.45E-01	4.24E-01	7.65E+00
1809	494861.06	3859101.99	0.62399	0.24768	0.44355	0.36735	1.39031	2.64382	0.24945	0.24768	6.40E+00	1.11E-01	1.13E-05	1.90E-02	6.41E-01	3.66E-01	4.31E-01	4.10E-01	7.56E+00
1810	494911.06	3859101.99	0.61774	0.23837	0.43427	0.36025	1.28389	2.73461	0.24002	0.23837	6.33E+00	1.07E-01	1.10E-05	1.86E-02	5.92E-01	3.78E-01	4.14E-01	3.95E-01	7.45E+00
1811	494961.06	3859101.99	0.60939	0.22696	0.42042	0.34839	1.11582	2.93074	0.22848	0.22696	6.25E+00	1.02E-01	1.07E-05	1.80E-02	5.14E-01	4.05E-01	3.94E-01	3.76E-01	7.31E+00
1812	495011.06	3859101.99	0.60007	0.21395	0.40641	0.33582	0.9497	2.87294	0.21533	0.21395	6.15E+00	9.63E-02	1.03E-05	1.74E-02	4.38E-01	3.97E-01	3.72E-01	3.55E-01	7.12E+00
1813	495061.06	3859101.99	0.59737	0.20509	0.40587	0.33761	0.95768	2.83786	0.20639	0.20509	6.13E+00	9.23E-02	1.03E-05	1.75E-02	4.41E-01	3.92E-01	3.56E-01	3.40E-01	7.09E+00
1814	495111.06	3859101.99	0.59276	0.19481	0.40147	0.33541	0.91707	2.7536	0.19601	0.19481	6.08E+00	8.77E-02	1.02E-05	1.74E-02	4.23E-01	3.81E-01	3.38E-01	3.23E-01	7.00E+00
1815	495161.06	3859101.99	0.59129	0.18675	0.40298	0.33989	0.95012	2.706	0.18789	0.18675	6.06E+00	8.40E-02	1.02E-05	1.76E-02	4.38E-01	3.74E-01	3.24E-01	3.09E-01	6.99E+00
1816	495211.06	3859101.99	0.5869	0.17669	0.39858	0.33812	0.90974	2.59681	0.17774	0.17669	6.02E+00	7.95E-02	1.01E-05	1.75E-02	4.19E-01	3.59E-01	3.07E-01	2.93E-01	6.91E+00
1817	495261.06	3859101.99	0.58421	0.16796	0.39735	0.3401	0.90919	2.49416	0.16895	0.16796	5.99E+00	7.56E-02	1.01E-05	1.76E-02	4.19E-01	3.45E-01	2.92E-01	2.78E-01	6.86E+00
1818	495311.06	3859101.99	0.58153	0.15906	0.39335	0.3405	0.93137	2.68113	0.15999	0.15906	5.96E+00	7.16E-02	9.98E-06	1.76E-02	4.29E-01	3.71E-01	2.76E-01	2.64E-01	6.86E+00
1819	495361.06	3859101.99	0.57823	0.15071	0.39322	0.34303	0.95274	2.83989	0.15158	0.15071	5.93E+00	6.78E-02	9.98E-06	1.78E-02	4.39E-01	3.93E-01	2.62E-01	2.50E-01	6.86E+00
1820	495411.06	3859101.99	0.57506	0.14234	0.39052	0.34417	0.97379	2.9708	0.14613	0.14234	5.90E+00	6.41E-02	9.91E-06	1.78E-02	4.49E-01	4.11E-01	2.52E-01	2.36E-01	6.85E+00

1821	495461.06	3859101.99	0.57176	0.13381	0.38334	0.34364	0.99465	3.07368	0.14646	0.13381	5.86E+00	6.02E-02	9.72E-06	1.78E-02	4.58E-01	4.25E-01	2.53E-01	2.22E-01	6.86E+00
1822	495511.06	3859101.99	0.56823	0.12587	0.37969	0.34401	1.01482	3.15408	0.14703	0.12587	5.83E+00	5.66E-02	9.63E-06	1.78E-02	4.68E-01	4.36E-01	2.54E-01	2.09E-01	6.85E+00
1823	495561.06	3859101.99	0.56315	0.1175	0.37636	0.34216	1.03375	3.16144	0.14679	0.1175	5.77E+00	5.29E-02	9.55E-06	1.77E-02	4.76E-01	4.37E-01	2.53E-01	1.95E-01	6.82E+00
1824	495611.06	3859101.99	0.5587	0.11115	0.37044	0.34047	1.05273	3.1781	0.14671	0.11115	5.73E+00	5.00E-02	9.40E-06	1.76E-02	4.85E-01	4.39E-01	2.53E-01	1.84E-01	6.79E+00
1825	495661.06	3859101.99	0.55587	0.11158	0.36751	0.34263	1.07178	3.27908	0.14791	0.11158	5.70E+00	5.02E-02	9.32E-06	1.77E-02	4.94E-01	4.53E-01	2.55E-01	1.85E-01	6.79E+00
1826	494311.06	3859151.99	0.68689	0.28508	0.54271	0.42096	2.07956	1.13024	0.28834	0.28508	7.04E+00	1.28E-01	1.38E-05	2.18E-02	9.58E-01	1.56E-01	4.98E-01	4.72E-01	8.33E+00
1827	494361.06	3859151.99	0.68239	0.28504	0.53909	0.42054	2.08095	1.21619	0.28817	0.28504	7.00E+00	1.28E-01	1.37E-05	2.18E-02	9.59E-01	1.68E-01	4.98E-01	4.72E-01	8.30E+00
1828	494411.06	3859151.99	0.67675	0.28639	0.53008	0.41666	2.043	1.32883	0.28895	0.28639	6.94E+00	1.29E-01	1.34E-05	2.16E-02	9.41E-01	1.84E-01	4.99E-01	4.75E-01	8.24E+00
1829	494461.06	3859151.99	0.67113	0.28626	0.52194	0.413	1.99788	1.46379	0.28905	0.28626	6.88E+00	1.29E-01	1.32E-05	2.14E-02	9.21E-01	2.02E-01	4.99E-01	4.74E-01	8.18E+00
1830	494511.06	3859151.99	0.66497	0.28641	0.51166	0.40759	1.92862	1.63711	0.28908	0.28641	6.82E+00	1.29E-01	1.30E-05	2.11E-02	8.89E-01	2.26E-01	4.99E-01	4.75E-01	8.11E+00
1831	494561.06	3859151.99	0.65991	0.28426	0.50549	0.40518	1.88668	1.83323	0.28682	0.28426	6.77E+00	1.28E-01	1.28E-05	2.10E-02	8.69E-01	2.53E-01	4.95E-01	4.71E-01	8.06E+00
1832	494611.06	3859151.99	0.65387	0.28238	0.49465	0.39969	1.80875	2.10796	0.28484	0.28238	6.70E+00	1.27E-01	1.25E-05	2.07E-02	8.34E-01	2.91E-01	4.92E-01	4.68E-01	8.00E+00
1833	494661.06	3859151.99	0.64883	0.2792	0.48828	0.39677	1.77932	2.44116	0.28154	0.2792	6.65E+00	1.26E-01	1.24E-05	2.05E-02	8.20E-01	3.37E-01	4.86E-01	4.63E-01	7.98E+00
1834	494711.06	3859151.99	0.64411	0.27525	0.48287	0.39453	1.7561	2.8847	0.2775	0.27525	6.60E+00	1.24E-01	1.22E-05	2.04E-02	8.09E-01	3.99E-01	4.79E-01	4.56E-01	7.98E+00
1835	494761.06	3859151.99	0.63782	0.27178	0.47183	0.38747	1.65538	3.64572	0.27395	0.27178	6.54E+00	1.22E-01	1.20E-05	2.01E-02	7.63E-01	5.04E-01	4.73E-01	4.50E-01	7.97E+00
1836	494811.06	3859151.99	0.63196	0.26686	0.46272	0.38164	1.57338	4.96338	0.26883	0.26686	6.48E+00	1.20E-01	1.17E-05	1.98E-02	7.25E-01	6.86E-01	4.64E-01	4.42E-01	8.05E+00
1837	494861.06	3859151.99	0.62705	0.26027	0.45686	0.37855	1.52984	5.76726	0.26219	0.26027	6.43E+00	1.17E-01	1.16E-05	1.96E-02	7.05E-01	7.97E-01	4.53E-01	4.31E-01	8.09E+00
1838	494911.06	3859151.99	0.62059	0.25288	0.44592	0.37068	1.41536	5.81492	0.25468	0.25288	6.36E+00	1.14E-01	1.13E-05	1.92E-02	6.52E-01	8.04E-01	4.40E-01	4.19E-01	7.97E+00
1839	494961.06	3859151.99	0.61334	0.24298	0.43017	0.3593	1.23472	5.70184	0.24465	0.24298	6.29E+00	1.09E-01	1.09E-05	1.86E-02	5.69E-01	7.88E-01	4.22E-01	4.03E-01	7.79E+00
1840	495011.06	3859151.99	0.60444	0.23242	0.41828	0.34823	1.10302	5.77845	0.23396	0.23242	6.20E+00	1.05E-01	1.06E-05	1.80E-02	5.08E-01	7.99E-01	4.04E-01	3.85E-01	7.65E+00
1841	495061.06	3859151.99	0.60109	0.22353	0.41653	0.34874	1.10349	5.63632	0.22498	0.22353	6.16E+00	1.01E-01	1.06E-05	1.81E-02	5.09E-01	7.79E-01	3.88E-01	3.70E-01	7.59E+00
1842	495111.06	3859151.99	0.59726	0.21411	0.41352	0.34809	1.08636	5.5158	0.21547	0.21411	6.12E+00	9.64E-02	1.05E-05	1.80E-02	5.01E-01	7.63E-01	3.72E-01	3.55E-01	7.52E+00
1843	495161.06	3859151.99	0.59555	0.20589	0.41521	0.35239	1.12983	5.0886	0.20717	0.20589	6.11E+00	9.27E-02	1.05E-05	1.82E-02	5.21E-01	7.04E-01	3.58E-01	3.41E-01	7.46E+00
1844	495211.06	3859151.99	0.59193	0.19642	0.41237	0.35223	1.1132	4.77729	0.19762	0.19642	6.07E+00	8.84E-02	1.05E-05	1.82E-02	5.13E-01	6.60E-01	3.41E-01	3.25E-01	7.37E+00
1845	495261.06	3859151.99	0.58839	0.18698	0.40953	0.35222	1.09614	4.48062	0.1881	0.18698	6.03E+00	8.41E-02	1.04E-05	1.82E-02	5.05E-01	6.19E-01	3.25E-01	3.10E-01	7.28E+00
1846	495311.06	3859151.99	0.58508	0.17777	0.40709	0.35281	1.08391	4.53043	0.17882	0.17777	6.00E+00	8.00E-02	1.03E-05	1.83E-02	5.00E-01	6.26E-01	3.09E-01	2.95E-01	7.24E+00
1847	495361.06	3859151.99	0.58165	0.16858	0.40411	0.35303	1.06468	4.6483	0.16956	0.16858	5.96E+00	7.59E-02	1.03E-05	1.83E-02	4.91E-01	6.43E-01	2.93E-01	2.79E-01	7.21E+00
1848	495411.06	3859151.99	0.5796	0.16059	0.40439	0.35695	1.08694	4.33913	0.16151	0.16059	5.94E+00	7.23E-02	1.03E-05	1.85E-02	5.01E-01	6.00E-01	2.79E-01	2.66E-01	7.15E+00
1849	495461.06	3859151.99	0.57625	0.15189	0.40127	0.35751	1.06585	4.34264	0.15275	0.15189	5.91E+00	6.84E-02	1.02E-05	1.85E-02	4.91E-01	6.00E-01	2.64E-01	2.52E-01	7.10E+00
1850	495511.06	3859151.99	0.57169	0.14254	0.39495	0.35487	1.00541	4.48817	0.14971	0.14254	5.86E+00	6.41E-02	1.00E-05	1.84E-02	4.63E-01	6.21E-01	2.58E-01	2.36E-01	7.05E+00
1851	495561.06	3859151.99	0.56765	0.13388	0.38981	0.35363	0.96069	4.64079	0.14973	0.13388	5.82E+00	6.03E-02	9.89E-06	1.83E-02	4.43E-01	6.42E-01	2.59E-01	2.22E-01	7.02E+00
1852	495611.06	3859151.99	0.56382	0.1257	0.38499	0.35299	0.94859	4.95659	0.14994	0.1257	5.78E+00	5.66E-02	9.77E-06	1.83E-02	4.37E-01	6.85E-01	2.59E-01	2.08E-01	7.03E+00
1853	495661.06	3859151.99	0.56016	0.11801	0.38043	0.35285	0.96878	5.47455	0.15034	0.11801	5.74E+00	5.31E-02	9.65E-06	1.83E-02	4.46E-01	7.57E-01	2.60E-01	1.96E-01	7.08E+00
1854	494311.06	3859201.99	0.69175	0.27566	0.79842	0.51593	2.09863	0.76307	0.28084	0.27566	7.09E+00	1.24E-01	2.03E-05	2.67E-02	9.67E-01	1.05E-01	4.85E-01	4.57E-01	8.34E+00
1855	494361.06	3859201.99	0.68664	0.27927	0.79037	0.50589	2.10386	0.83715	0.28082	0.27927	7.04E+00	1.26E-01	2.00E-05	2.62E-02	9.70E-01	1.16E-01	4.85E-01	4.63E-01	8.30E+00
1856	494411.06	3859201.99	0.68099	0.28302	0.54811	0.48782	2.09224	0.9237	0.28234	0.28302	6.98E+00	1.27E-01	1.39E-05	2.53E-02	9.64E-01	1.28E-01	4.87E-01	4.69E-01	8.25E+00
1857	494461.06	3859201.99	0.67461	0.28237	0.53737	0.42373	2.05401	1.02589	0.28535	0.28237	6.92E+00	1.27E-01	1.36E-05	2.19E-02	9.47E-01	1.42E-01	4.93E-01	4.68E-01	8.18E+00
1858	494511.06	3859201.99	0.6693	0.28286	0.5299	0.41985	2.03158	1.159	0.28576	0.28286	6.86E+00	1.27E-01	1.34E-05	2.17E-02	9.36E-01	1.60E-01	4.93E-01	4.69E-01	8.13E+00
1859	494561.06	3859201.99	0.66296	0.284	0.5174	0.41373	1.9718	1.32658	0.28674	0.284	6.80E+00	1.28E-01	1.31E-05	2.14E-02	9.09E-01	1.83E-01	4.95E-01	4.71E-01	8.06E+00
1860	494611.06	3859201.99	0.65729	0.28361	0.50832	0.40955	1.92328	1.54185	0.28618	0.28361	6.74E+00	1.28E-01	1.29E-05	2.12E-02	8.86E-01	2.13E-01	4.94E-01	4.70E-01	8.01E+00
1861	494661.06	3859201.99	0.65212	0.28155	0.50108	0.40666	1.883	1.99993	0.28403	0.28155	6.69E+00	1.27E-01	1.27E-05	2.11E-02	8.68E-01	2.76E-01	4.90E-01	4.67E-01	8.00E+00
1862	494711.06	3859201.99	0.64699	0.27876	0.49395	0.40374	1.83772	2.51025	0.28112	0.27876	6.63E+00	1.25E-01	1.25E-05	2.09E-02	8.47E-01	3.47E-01	4.85E-01	4.62E-01	8.00E+00
1863	494761.06	3859201.99	0.64085	0.27655	0.48189	0.39751	1.75105	2.88297	0.27881	0.27655	6.57E+00	1.24E-01	1.22E-05	2.06E-02	8.07E-01	3.99E-01	4.81E-01	4.58E-01	7.95E+00
1864	494811.06	3859201.99	0.63526	0.27341	0.47268	0.39258	1.67525	3.18065	0.27561	0.27341	6.51E+00	1.23E-01	1.20E-05	2.03E-02	7.72E-01	4.40E-01	4.76E-01	4.53E-01	7.89E+00
1865	494861.06	3859201.99	0.62971	0.2684	0.4614	0.38618	1.5771	2.88253	0.27044	0.2684	6.46E+00	1.21E-01	1.17E-05	2.00E-02	7.27E-01	3.99E-01	4.67E-01	4.45E-01	7.75E+00
1866	494911.06	3859201.99	0.62239	0.26439	0.44951	0.37771	1.46637	2.3932	0.26631	0.26439	6.38E+00	1.19E-01	1.14E-05	1.96E-02	6.76E-01	3.31E-01	4.60E-01	4.38E-01	7.55E+00
1867	494961.06	3859201.99	0.61526	0.25717	0.43646	0.36835	1.33877	2.49396	0.25899	0.25717	6.31E+00	1.16E-01	1.11E-05	1.91E-02	6.17E-01	3.45E-01	4.47E-01	4.26E-01	7.43E+00
1868	495011.06	3859201.99	0.60633	0.24728	0.41952	0.35496	1.15955	2.76749	0.24895	0.24728	6.22E+00	1.11E-01	1.06E-05	1.84E-02	5.34E-01	3.83E-01	4.30E-01	4.10E-01	7.28E+00
1869	495061.06	3859201.99	0.60558	0.24038	0.42486	0.36218	1.25938	2.64765	0.24198	0.24038	6.21E+00	1.08E-01	1.08E-05	1.87E-02	5.80E-01	3.66E-01	4.18E-01	3.98E-01	7.30E+00
1870	495111.06	3859201.99	0.60258	0.232	0.42391	0.36364	1.27808	2.65724	0.23352	0.232	6.18E+00	1.04E-01	1.08E-05	1.88E-02	5.89E-01	3.67E-01	4.03E-01	3.84E-01	7.28E+00
1871	495161.06	3859201.99	0.59927	0.22323	0.42207	0.36431	1.28335	2.66613	0.22466	0.22323	6.14E+00	1.00E-01	1.07E-05	1.89E-02	5.91E-01	3.69E-01	3.88E-01	3.70E-01	7.24E+00
1872	495211.06	3859201.99	0.59516	0.21385	0.41784	0.36274	1.25584	2.73005	0.21519	0.21385	6.10E+00	9.62E-02	1.06E-05	1.88E-02	5.79E-01	3.77E-01	3.72E-01	3.54E-01	7.19E+00
1873	495261.06	3859201.99	0.59227	0.20496	0.41683	0.36441	1.26894	2.71893	0.20622	0.20496	6.07E+00	9.22E-02	1.06E-05	1.89E-02	5.85E-01	3.76E-01	3.56E-01	3.40E-01	7.16E+00
1874	495311.06	3859201.99	0.58896	0.1958	0.41453	0.36493	1.26399	2.75322	0.19698	0.1958	6.04E+00	8.81E-02	1.05E-05	1.89E-02	5.82E-01	3.81E-01	3.40E-01	3.24E-01	7.13E+00
1875	495361.06	3859201.99	0.58586	0.18676	0.41264	0.366	1.26309	2.73532	0.18787	0.18676	6.01E+00	8.41E-02	1.05E-05	1.89E-02	5.82E-01	3.78E-01	3.24E-01	3.09E-01	7.09E+00
1876	495411.06	3859201.99	0.58343	0.17822	0.4126	0.36907	1.28514	2.64018	0.17927	0.17822	5.98E+00	8.02E-02	1.05E-05	1.91E-02	5.92E-01	3.65E-01	3.10E-01	2.95E-01	7.05E+00
1877	495461.06	3859201.99	0.57982	0.16908	0.40886	0.36866	1.25899	2.62013	0.17006	0.16908	5.95E+00	7.61E-02	1.04E-05	1.91E-02	5.80E-01	3.62E-01	2.94E-01	2.80E-01	7.00E+00

1878	495511.06	3859201.99	0.57623	0.16011	0.40504	0.36834	1.23144	2.78819	0.16103	0.16011	5.91E+00	7.21E-02	1.03E-05	1.91E-02	5.67E-01	3.85E-01	2.78E-01	2.65E-01	6.97E+00
1879	495561.06	3859201.99	0.57166	0.15062	0.39824	0.36515	1.16566	2.88542	0.1527	0.15062	5.86E+00	6.78E-02	1.01E-05	1.89E-02	5.37E-01	3.99E-01	2.64E-01	2.50E-01	6.90E+00
1880	495611.06	3859201.99	0.56763	0.14173	0.39287	0.36355	1.11836	3.24295	0.15253	0.14173	5.82E+00	6.38E-02	9.97E-06	1.88E-02	5.15E-01	4.48E-01	2.63E-01	2.35E-01	6.90E+00
1881	495661.06	3859201.99	0.56406	0.13347	0.38859	0.36327	1.08538	2.692	0.15278	0.13347	5.78E+00	6.01E-02	9.86E-06	1.88E-02	5.00E-01	3.72E-01	2.64E-01	2.21E-01	6.78E+00
1882	494311.06	3859251.99	0.69808	0.26694	0.80698	0.60855	2.04919	0.90775	0.2718	0.26694	7.16E+00	1.20E-01	2.05E-05	3.15E-02	9.44E-01	1.25E-01	4.69E-01	4.42E-01	8.41E+00
1883	494361.06	3859251.99	0.69173	0.26939	0.79617	0.59107	2.05845	1.03167	0.27373	0.26939	7.09E+00	1.21E-01	2.02E-05	3.06E-02	9.49E-01	1.43E-01	4.73E-01	4.46E-01	8.36E+00
1884	494411.06	3859251.99	0.68477	0.27275	0.78259	0.53728	2.04662	1.21105	0.27661	0.27275	7.02E+00	1.23E-01	1.99E-05	2.78E-02	9.43E-01	1.67E-01	4.78E-01	4.52E-01	8.31E+00
1885	494461.06	3859251.99	0.6789	0.27705	0.77243	0.50748	2.04757	1.41364	0.27839	0.27705	6.96E+00	1.25E-01	1.96E-05	2.63E-02	9.44E-01	1.95E-01	4.81E-01	4.59E-01	8.27E+00
1886	494511.06	3859251.99	0.67207	0.27814	0.53423	0.45633	2.01532	1.63369	0.28128	0.27814	6.89E+00	1.25E-01	1.36E-05	2.36E-02	9.29E-01	2.26E-01	4.86E-01	4.61E-01	8.22E+00
1887	494561.06	3859251.99	0.66657	0.28033	0.52585	0.42538	2.00079	1.84035	0.28358	0.28033	6.84E+00	1.26E-01	1.33E-05	2.20E-02	9.22E-01	2.54E-01	4.90E-01	4.64E-01	8.18E+00
1888	494611.06	3859251.99	0.66058	0.2817	0.51443	0.41821	1.96494	2.00744	0.28443	0.2817	6.77E+00	1.27E-01	1.30E-05	2.16E-02	9.06E-01	2.78E-01	4.91E-01	4.67E-01	8.13E+00
1889	494661.06	3859251.99	0.65579	0.28063	0.50835	0.41635	1.95417	2.10156	0.28329	0.28063	6.72E+00	1.26E-01	1.29E-05	2.16E-02	9.01E-01	2.91E-01	4.89E-01	4.65E-01	8.09E+00
1890	494711.06	3859251.99	0.65058	0.27978	0.50048	0.41329	1.92449	2.1539	0.28226	0.27978	6.67E+00	1.26E-01	1.27E-05	2.14E-02	8.87E-01	2.98E-01	4.87E-01	4.64E-01	8.03E+00
1891	494761.06	3859251.99	0.64312	0.27931	0.48162	0.40254	1.80269	2.5254	0.28168	0.27931	6.59E+00	1.26E-01	1.22E-05	2.08E-02	8.31E-01	3.49E-01	4.86E-01	4.63E-01	7.94E+00
1892	494811.06	3859251.99	0.63869	0.2765	0.47814	0.40266	1.79881	2.75226	0.27878	0.2765	6.55E+00	1.24E-01	1.21E-05	2.08E-02	8.29E-01	3.81E-01	4.81E-01	4.58E-01	7.93E+00
1893	494861.06	3859251.99	0.632	0.27439	0.46095	0.39318	1.67072	2.94001	0.27656	0.27439	6.48E+00	1.23E-01	1.17E-05	2.04E-02	7.70E-01	4.06E-01	4.77E-01	4.55E-01	7.82E+00
1894	494911.06	3859251.99	0.62452	0.27291	0.44867	0.38448	1.56626	1.91776	0.27495	0.27291	6.40E+00	1.23E-01	1.14E-05	1.99E-02	7.22E-01	2.65E-01	4.75E-01	4.52E-01	7.56E+00
1895	494961.06	3859251.99	0.61943	0.26747	0.44141	0.38091	1.50836	1.89871	0.26941	0.26747	6.35E+00	1.20E-01	1.12E-05	1.97E-02	6.95E-01	2.63E-01	4.65E-01	4.43E-01	7.47E+00
1896	495011.06	3859251.99	0.61396	0.26117	0.43295	0.37612	1.43403	1.93859	0.26303	0.26117	6.30E+00	1.18E-01	1.10E-05	1.95E-02	6.61E-01	2.68E-01	4.54E-01	4.33E-01	7.38E+00
1897	495061.06	3859251.99	0.61103	0.2539	0.43259	0.3782	1.43612	1.91692	0.25568	0.2539	6.27E+00	1.14E-01	1.10E-05	1.96E-02	6.62E-01	2.65E-01	4.41E-01	4.21E-01	7.35E+00
1898	495111.06	3859251.99	0.60708	0.24627	0.42889	0.37735	1.41875	1.90935	0.24793	0.24627	6.23E+00	1.11E-01	1.09E-05	1.95E-02	6.54E-01	2.64E-01	4.28E-01	4.08E-01	7.29E+00
1899	495161.06	3859251.99	0.60367	0.23822	0.42673	0.37783	1.43039	1.87696	0.23979	0.23822	6.19E+00	1.07E-01	1.08E-05	1.96E-02	6.59E-01	2.59E-01	4.14E-01	3.95E-01	7.25E+00
1900	495211.06	3859251.99	0.59968	0.22974	0.42266	0.37661	1.41501	1.91776	0.23124	0.22974	6.15E+00	1.03E-01	1.07E-05	1.95E-02	6.52E-01	2.65E-01	3.99E-01	3.81E-01	7.21E+00
1901	495261.06	3859251.99	0.59693	0.22058	0.41932	0.37747	1.40968	1.91594	0.22199	0.22058	6.12E+00	9.93E-02	1.06E-05	1.95E-02	6.50E-01	2.65E-01	3.83E-01	3.65E-01	7.17E+00
1902	495311.06	3859251.99	0.59344	0.2124	0.41972	0.37893	1.44405	1.88069	0.21373	0.2124	6.09E+00	9.56E-02	1.06E-05	1.96E-02	6.65E-01	2.60E-01	3.69E-01	3.52E-01	7.14E+00
1903	495361.06	3859251.99	0.58997	0.20343	0.41684	0.37891	1.43733	1.78405	0.20468	0.20343	6.05E+00	9.16E-02	1.06E-05	1.96E-02	6.62E-01	2.47E-01	3.53E-01	3.37E-01	7.09E+00
1904	495411.06	3859251.99	0.58728	0.19464	0.41651	0.38134	1.46212	1.88148	0.19581	0.19464	6.02E+00	8.76E-02	1.06E-05	1.97E-02	6.74E-01	2.60E-01	3.38E-01	3.23E-01	7.08E+00
1905	495461.06	3859251.99	0.58376	0.18564	0.41312	0.38106	1.44558	1.93038	0.18676	0.18564	5.99E+00	8.35E-02	1.05E-05	1.97E-02	6.66E-01	2.67E-01	3.22E-01	3.08E-01	7.04E+00
1906	495511.06	3859251.99	0.57928	0.17624	0.40655	0.37785	1.3858	2.00872	0.17728	0.17624	5.94E+00	7.93E-02	1.03E-05	1.96E-02	6.39E-01	2.78E-01	3.06E-01	2.92E-01	6.97E+00
1907	495561.06	3859251.99	0.57555	0.16719	0.40223	0.37685	1.35468	2.21127	0.16817	0.16719	5.90E+00	7.52E-02	1.02E-05	1.95E-02	6.24E-01	3.06E-01	2.90E-01	2.77E-01	6.94E+00
1908	495611.06	3859251.99	0.57131	0.15796	0.39619	0.37427	1.30047	1.98025	0.15887	0.15796	5.86E+00	7.11E-02	1.01E-05	1.94E-02	5.99E-01	2.74E-01	2.74E-01	2.62E-01	6.83E+00
1909	495661.06	3859251.99	0.56759	0.14918	0.39161	0.37331	1.26521	1.50822	0.15527	0.14918	5.82E+00	6.71E-02	9.93E-06	1.93E-02	5.83E-01	2.09E-01	2.68E-01	2.47E-01	6.72E+00
1910	494311.06	3859301.99	0.70665	0.25809	0.80081	0.65709	1.93702	1.23768	0.26449	0.25809	7.25E+00	1.16E-01	2.03E-05	3.40E-02	8.93E-01	1.71E-01	4.57E-01	4.28E-01	8.49E+00
1911	494361.06	3859301.99	0.69938	0.26146	0.7898	0.63664	1.9599	1.35368	0.26701	0.26146	7.17E+00	1.18E-01	2.00E-05	3.30E-02	9.03E-01	1.87E-01	4.61E-01	4.33E-01	8.44E+00
1912	494411.06	3859301.99	0.6908	0.26481	0.77647	0.61052	1.96716	1.45771	0.26962	0.26481	7.08E+00	1.19E-01	1.97E-05	3.16E-02	9.07E-01	2.02E-01	4.66E-01	4.39E-01	8.37E+00
1913	494461.06	3859301.99	0.68333	0.26763	0.76306	0.58807	1.96813	1.53988	0.27184	0.26763	7.01E+00	1.20E-01	1.94E-05	3.04E-02	9.07E-01	2.13E-01	4.69E-01	4.43E-01	8.30E+00
1914	494511.06	3859301.99	0.67694	0.27263	0.75074	0.53591	1.96827	1.59393	0.2753	0.27263	6.94E+00	1.23E-01	1.90E-05	2.77E-02	9.07E-01	2.20E-01	4.75E-01	4.52E-01	8.24E+00
1915	494561.06	3859301.99	0.67118	0.27485	0.74025	0.50262	1.97245	1.6214	0.27622	0.27485	6.88E+00	1.24E-01	1.88E-05	2.60E-02	9.09E-01	2.24E-01	4.77E-01	4.55E-01	8.19E+00
1916	494611.06	3859301.99	0.66536	0.27703	0.51953	0.47692	1.96641	1.63523	0.27932	0.27703	6.82E+00	1.25E-01	1.32E-05	2.47E-02	9.06E-01	2.26E-01	4.82E-01	4.59E-01	8.13E+00
1917	494661.06	3859301.99	0.65975	0.27678	0.51063	0.43205	1.9554	1.79331	0.27972	0.27678	6.77E+00	1.25E-01	1.30E-05	2.24E-02	9.01E-01	2.48E-01	4.83E-01	4.59E-01	8.09E+00
1918	494711.06	3859301.99	0.65388	0.27835	0.49929	0.42096	1.92768	2.06056	0.28106	0.27835	6.70E+00	1.25E-01	1.27E-05	2.18E-02	8.88E-01	2.85E-01	4.85E-01	4.61E-01	8.05E+00
1919	494761.06	3859301.99	0.64836	0.27832	0.49006	0.41693	1.90094	2.22972	0.28085	0.27832	6.65E+00	1.25E-01	1.24E-05	2.16E-02	8.76E-01	3.08E-01	4.85E-01	4.61E-01	8.00E+00
1920	494811.06	3859301.99	0.64195	0.2785	0.47739	0.41043	1.84122	2.49581	0.2809	0.2785	6.58E+00	1.25E-01	1.21E-05	2.12E-02	8.49E-01	3.45E-01	4.85E-01	4.61E-01	7.95E+00
1921	494861.06	3859301.99	0.63449	0.27854	0.4597	0.40067	1.7368	3.20551	0.28085	0.27854	6.51E+00	1.25E-01	1.17E-05	2.07E-02	8.00E-01	4.43E-01	4.85E-01	4.62E-01	7.92E+00
1922	494911.06	3859301.99	0.62921	0.27643	0.45104	0.39668	1.69064	1.84623	0.27864	0.27643	6.45E+00	1.24E-01	1.14E-05	2.05E-02	7.79E-01	2.55E-01	4.81E-01	4.58E-01	7.65E+00
1923	494961.06	3859301.99	0.62198	0.27431	0.43446	0.38652	1.56658	1.61582	0.27641	0.27431	6.38E+00	1.23E-01	1.10E-05	2.00E-02	7.22E-01	2.23E-01	4.77E-01	4.55E-01	7.49E+00
1924	495011.06	3859301.99	0.61731	0.26938	0.4282	0.38402	1.5287	1.54387	0.27142	0.26938	6.33E+00	1.21E-01	1.09E-05	1.99E-02	7.04E-01	2.13E-01	4.69E-01	4.46E-01	7.41E+00
1925	495061.06	3859301.99	0.61641	0.26115	0.4331	0.39136	1.5943	1.49041	0.26308	0.26115	6.32E+00	1.18E-01	1.10E-05	2.03E-02	7.35E-01	2.06E-01	4.54E-01	4.33E-01	7.42E+00
1926	495111.06	3859301.99	0.61087	0.25635	0.42547	0.38668	1.53311	1.44067	0.25817	0.25635	6.26E+00	1.15E-01	1.08E-05	2.00E-02	7.07E-01	1.99E-01	4.46E-01	4.25E-01	7.33E+00
1927	495161.06	3859301.99	0.60718	0.24974	0.42396	0.3874	1.52587	1.40205	0.25145	0.24974	6.23E+00	1.12E-01	1.08E-05	2.01E-02	7.03E-01	1.94E-01	4.34E-01	4.14E-01	7.28E+00
1928	495211.06	3859301.99	0.60465	0.24171	0.42485	0.39049	1.54408	1.40935	0.24337	0.24171	6.20E+00	1.09E-01	1.08E-05	2.02E-02	7.12E-01	1.95E-01	4.20E-01	4.00E-01	7.26E+00
1929	495261.06	3859301.99	0.60158	0.2337	0.42367	0.39187	1.57334	1.45679	0.2353	0.2337	6.17E+00	1.05E-01	1.07E-05	2.03E-02	7.25E-01	2.01E-01	4.06E-01	3.87E-01	7.24E+00
1930	495311.06	3859301.99	0.59716	0.226	0.41784	0.38935	1.54243	1.50602	0.22745	0.226	6.12E+00	1.02E-01	1.06E-05	2.02E-02	7.11E-01	2.08E-01	3.93E-01	3.74E-01	7.18E+00
1931	495361.06	3859301.99	0.59431	0.21736	0.41725	0.39123	1.57333	1.51668	0.21878	0.21736	6.09E+00	9.78E-02	1.06E-05	2.03E-02	7.25E-01	2.10E-01	3.78E-01	3.60E-01	7.16E+00
1932	495411.06	3859301.99	0.59098	0.20882	0.41489	0.39166	1.57983	1.43825	0.21016	0.20882	6.06E+00	9.40E-02	1.05E-05	2.03E-02	7.28E-01	1.99E-01	3.63E-01	3.46E-01	7.12E+00
1933	495461.06	3859301.99	0.58785	0.20015	0.41302	0.39258	1.59039	1.54053	0.20144	0.20015	6.03E+00	9.01E-02	1.05E-05	2.03E-02	7.33E-01	2.13E-01	3.48E-01	3.32E-01	7.10E+00
1934	495511.06	3859301.99	0.58371	0.19156	0.40761	0.39046	1.55371	1.6485	0.19275	0.19156	5.99E+00	8.62E-02	1.03E-05	2.02E-02	7.16E-01	2.28E-01	3.33E-01	3.17E-01	7.05E+00

1935	495561.06	3859301.99	0.57879	0.18257	0.39944	0.38586	1.47901	1.50627	0.1837	0.18257	5.93E+00	8.22E-02	1.01E-05	2.00E-02	6.82E-01	2.08E-01	3.17E-01	3.03E-01	6.94E+00
1936	495611.06	3859301.99	0.5751	0.17369	0.39531	0.3849	1.45435	1.22673	0.17472	0.17369	5.90E+00	7.82E-02	1.00E-05	1.99E-02	6.70E-01	1.70E-01	3.02E-01	2.88E-01	6.85E+00
1937	495661.06	3859301.99	0.57141	0.16485	0.391	0.38384	1.42575	1.09669	0.16585	0.16485	5.86E+00	7.42E-02	9.92E-06	1.99E-02	6.57E-01	1.52E-01	2.86E-01	2.73E-01	6.78E+00
1938	494311.06	3859351.99	0.7014	0.24878	0.77998	0.68124	2.00157	1.23826	0.2623	0.24878	7.19E+00	1.12E-01	1.98E-05	3.53E-02	9.22E-01	1.71E-01	4.53E-01	4.12E-01	8.47E+00
1939	494361.06	3859351.99	0.70028	0.25253	0.76872	0.67294	1.91733	1.26222	0.26137	0.25253	7.18E+00	1.14E-01	1.95E-05	3.48E-02	8.84E-01	1.75E-01	4.51E-01	4.18E-01	8.42E+00
1940	494411.06	3859351.99	0.69851	0.2575	0.75536	0.652	1.82503	1.27187	0.26281	0.2575	7.16E+00	1.16E-01	1.92E-05	3.38E-02	8.41E-01	1.76E-01	4.54E-01	4.27E-01	8.36E+00
1941	494461.06	3859351.99	0.68951	0.26028	0.74333	0.62708	1.84443	1.26918	0.26558	0.26028	7.07E+00	1.17E-01	1.89E-05	3.25E-02	8.50E-01	1.75E-01	4.59E-01	4.31E-01	8.27E+00
1942	494511.06	3859351.99	0.68247	0.26312	0.73208	0.60666	1.86255	1.32829	0.26776	0.26312	7.00E+00	1.18E-01	1.86E-05	3.14E-02	8.58E-01	1.84E-01	4.62E-01	4.36E-01	8.22E+00
1943	494561.06	3859351.99	0.67676	0.2651	0.7229	0.59268	1.88629	1.36789	0.26928	0.2651	6.94E+00	1.19E-01	1.83E-05	3.07E-02	8.69E-01	1.89E-01	4.65E-01	4.39E-01	8.17E+00
1944	494611.06	3859351.99	0.67091	0.26716	0.71256	0.56247	1.90014	1.56327	0.2709	0.26716	6.88E+00	1.20E-01	1.81E-05	2.91E-02	8.76E-01	2.16E-01	4.68E-01	4.43E-01	8.15E+00
1945	494661.06	3859351.99	0.66506	0.26965	0.70166	0.51265	1.90565	1.72923	0.27305	0.26965	6.82E+00	1.21E-01	1.78E-05	2.65E-02	8.78E-01	2.39E-01	4.71E-01	4.47E-01	8.11E+00
1946	494711.06	3859351.99	0.65866	0.2725	0.4973	0.47514	1.8925	1.84528	0.27714	0.2725	6.75E+00	1.23E-01	1.26E-05	2.46E-02	8.72E-01	2.55E-01	4.78E-01	4.52E-01	8.06E+00
1947	494761.06	3859351.99	0.65232	0.2752	0.48212	0.42686	1.85021	1.96244	0.27797	0.2752	6.69E+00	1.24E-01	1.22E-05	2.21E-02	8.53E-01	2.71E-01	4.80E-01	4.56E-01	7.98E+00
1948	494811.06	3859351.99	0.64394	0.27977	0.46416	0.41342	1.77265	2.35407	0.28236	0.27977	6.60E+00	1.26E-01	1.18E-05	2.14E-02	8.17E-01	3.25E-01	4.87E-01	4.64E-01	7.92E+00
1949	494861.06	3859351.99	0.6389	0.27874	0.45658	0.41032	1.75934	2.76845	0.2812	0.27874	6.55E+00	1.25E-01	1.16E-05	2.12E-02	8.11E-01	3.83E-01	4.85E-01	4.62E-01	7.92E+00
1950	494911.06	3859351.99	0.63448	0.27641	0.45131	0.40885	1.75821	1.7061	0.27877	0.27641	6.51E+00	1.24E-01	1.14E-05	2.12E-02	8.10E-01	2.36E-01	4.81E-01	4.58E-01	7.72E+00
1951	494961.06	3859351.99	0.62927	0.27439	0.44201	0.40508	1.72695	1.49785	0.27667	0.27439	6.45E+00	1.23E-01	1.12E-05	2.10E-02	7.96E-01	2.07E-01	4.78E-01	4.55E-01	7.62E+00
1952	495011.06	3859351.99	0.62471	0.27123	0.43591	0.40296	1.7086	1.33715	0.2734	0.27123	6.41E+00	1.22E-01	1.11E-05	2.09E-02	7.87E-01	1.85E-01	4.72E-01	4.49E-01	7.54E+00
1953	495061.06	3859351.99	0.62233	0.26511	0.43812	0.40685	1.75351	1.28897	0.26722	0.26511	6.38E+00	1.19E-01	1.11E-05	2.11E-02	8.08E-01	1.78E-01	4.61E-01	4.39E-01	7.53E+00
1954	495111.06	3859351.99	0.61768	0.26087	0.43152	0.40428	1.72223	1.31323	0.2629	0.26087	6.33E+00	1.17E-01	1.09E-05	2.09E-02	7.94E-01	1.82E-01	4.54E-01	4.32E-01	7.47E+00
1955	495161.06	3859351.99	0.61389	0.25528	0.4281	0.404	1.71228	1.34086	0.2572	0.25528	6.29E+00	1.15E-01	1.09E-05	2.09E-02	7.89E-01	1.85E-01	4.44E-01	4.23E-01	7.43E+00
1956	495211.06	3859351.99	0.61008	0.24929	0.42437	0.40345	1.6954	1.36506	0.25117	0.24929	6.26E+00	1.12E-01	1.08E-05	2.09E-02	7.81E-01	1.89E-01	4.34E-01	4.13E-01	7.38E+00
1957	495261.06	3859351.99	0.60682	0.24214	0.42282	0.40445	1.69252	1.36714	0.2439	0.24214	6.22E+00	1.09E-01	1.07E-05	2.09E-02	7.80E-01	1.89E-01	4.21E-01	4.01E-01	7.34E+00
1958	495311.06	3859351.99	0.60264	0.23582	0.41753	0.40267	1.65455	1.3187	0.23752	0.23582	6.18E+00	1.06E-01	1.06E-05	2.08E-02	7.62E-01	1.82E-01	4.10E-01	3.91E-01	7.27E+00
1959	495361.06	3859351.99	0.59901	0.22844	0.41429	0.40238	1.65459	1.21652	0.23007	0.22844	6.14E+00	1.03E-01	1.05E-05	2.08E-02	7.63E-01	1.68E-01	3.97E-01	3.79E-01	7.22E+00
1960	495411.06	3859351.99	0.59579	0.22041	0.41244	0.40312	1.67689	1.34004	0.22196	0.22041	6.11E+00	9.92E-02	1.05E-05	2.09E-02	7.73E-01	1.85E-01	3.83E-01	3.65E-01	7.21E+00
1961	495461.06	3859351.99	0.59282	0.21199	0.41154	0.40462	1.70754	1.38474	0.21347	0.21199	6.08E+00	9.54E-02	1.04E-05	2.09E-02	7.87E-01	1.91E-01	3.69E-01	3.51E-01	7.19E+00
1962	495511.06	3859351.99	0.58828	0.20447	0.40445	0.40134	1.66186	1.26989	0.20585	0.20447	6.03E+00	9.20E-02	1.03E-05	2.08E-02	7.66E-01	1.76E-01	3.55E-01	3.39E-01	7.10E+00
1963	495561.06	3859351.99	0.58419	0.19631	0.39903	0.39926	1.6323	1.08329	0.19764	0.19631	5.99E+00	8.83E-02	1.01E-05	2.07E-02	7.52E-01	1.50E-01	3.41E-01	3.25E-01	7.02E+00
1964	495611.06	3859351.99	0.58049	0.18789	0.39501	0.39831	1.61685	0.9959	0.18913	0.18789	5.95E+00	8.46E-02	1.00E-05	2.06E-02	7.45E-01	1.38E-01	3.27E-01	3.11E-01	6.96E+00
1965	495661.06	3859351.99	0.57596	0.17957	0.38792	0.39473	1.56041	0.9367	0.18071	0.17957	5.91E+00	8.08E-02	9.84E-06	2.04E-02	7.19E-01	1.30E-01	3.12E-01	2.98E-01	6.87E+00
1966	494311.06	3859401.99	0.69486	0.25442	0.74814	0.71144	2.16929	1.05875	0.26737	0.25442	7.13E+00	1.15E-01	1.90E-05	3.68E-02	1.00E+00	1.46E-01	4.62E-01	4.22E-01	8.46E+00
1967	494361.06	3859401.99	0.69556	0.25214	0.73702	0.69958	2.09567	1.11712	0.26599	0.25214	7.13E+00	1.13E-01	1.87E-05	3.62E-02	9.66E-01	1.54E-01	4.59E-01	4.18E-01	8.44E+00
1968	494411.06	3859401.99	0.6968	0.24954	0.72376	0.68727	2.01116	1.15665	0.26463	0.24954	7.15E+00	1.12E-01	1.84E-05	3.56E-02	9.27E-01	1.60E-01	4.57E-01	4.13E-01	8.42E+00
1969	494461.06	3859401.99	0.69633	0.2512	0.71398	0.67698	1.92947	1.18093	0.26332	0.2512	7.14E+00	1.13E-01	1.81E-05	3.50E-02	8.89E-01	1.63E-01	4.55E-01	4.16E-01	8.38E+00
1970	494511.06	3859401.99	0.6927	0.25418	0.70663	0.66604	1.85391	1.21501	0.26223	0.25418	7.10E+00	1.14E-01	1.79E-05	3.45E-02	8.54E-01	1.68E-01	4.53E-01	4.21E-01	8.31E+00
1971	494561.06	3859401.99	0.68567	0.25714	0.69795	0.64008	1.77001	1.3533	0.26252	0.25714	7.03E+00	1.16E-01	1.77E-05	3.31E-02	8.16E-01	1.87E-01	4.53E-01	4.26E-01	8.21E+00
1972	494611.06	3859401.99	0.67803	0.25998	0.68742	0.61628	1.78294	1.46247	0.26469	0.25998	6.95E+00	1.17E-01	1.74E-05	3.19E-02	8.22E-01	2.02E-01	4.57E-01	4.31E-01	8.15E+00
1973	494661.06	3859401.99	0.67234	0.26187	0.67919	0.60635	1.81184	1.53984	0.26609	0.26187	6.89E+00	1.18E-01	1.72E-05	3.14E-02	8.35E-01	2.13E-01	4.59E-01	4.34E-01	8.12E+00
1974	494711.06	3859401.99	0.66628	0.26351	0.6695	0.59089	1.83079	1.61787	0.2673	0.26351	6.83E+00	1.19E-01	1.70E-05	3.06E-02	8.44E-01	2.24E-01	4.61E-01	4.37E-01	8.07E+00
1975	494761.06	3859401.99	0.65921	0.26654	0.64959	0.51603	1.80292	1.72485	0.27341	0.26654	6.76E+00	1.20E-01	1.65E-05	2.67E-02	8.31E-01	2.38E-01	4.72E-01	4.42E-01	8.01E+00
1976	494811.06	3859401.99	0.65224	0.27113	0.46961	0.45224	1.79855	2.31477	0.27408	0.27113	6.69E+00	1.22E-01	1.19E-05	2.34E-02	8.29E-01	3.20E-01	4.73E-01	4.49E-01	8.01E+00
1977	494861.06	3859401.99	0.64546	0.27471	0.45469	0.42457	1.76198	2.82331	0.27747	0.27471	6.62E+00	1.24E-01	1.15E-05	2.20E-02	8.12E-01	3.90E-01	4.79E-01	4.55E-01	7.99E+00
1978	494911.06	3859401.99	0.64045	0.27428	0.44491	0.41999	1.74827	1.54817	0.27686	0.27428	6.57E+00	1.23E-01	1.13E-05	2.17E-02	8.06E-01	2.14E-01	4.78E-01	4.54E-01	7.76E+00
1979	494961.06	3859401.99	0.63566	0.27372	0.4406	0.41842	1.75922	1.32724	0.27614	0.27372	6.52E+00	1.23E-01	1.12E-05	2.17E-02	8.11E-01	1.83E-01	4.77E-01	4.54E-01	7.68E+00
1980	495011.06	3859401.99	0.63168	0.27109	0.4369	0.4177	1.77399	1.2799	0.27343	0.27109	6.48E+00	1.22E-01	1.11E-05	2.16E-02	8.18E-01	1.77E-01	4.72E-01	4.49E-01	7.64E+00
1981	495061.06	3859401.99	0.62853	0.26643	0.43313	0.4181	1.78875	1.28057	0.26871	0.26643	6.44E+00	1.20E-01	1.10E-05	2.16E-02	8.24E-01	1.77E-01	4.64E-01	4.41E-01	7.61E+00
1982	495111.06	3859401.99	0.62364	0.26369	0.42616	0.41491	1.77032	1.28822	0.26588	0.26369	6.39E+00	1.19E-01	1.08E-05	2.15E-02	8.16E-01	1.78E-01	4.59E-01	4.37E-01	7.55E+00
1983	495161.06	3859401.99	0.61962	0.25979	0.42465	0.41509	1.7838	1.28578	0.2619	0.25979	6.35E+00	1.17E-01	1.08E-05	2.15E-02	8.22E-01	1.78E-01	4.52E-01	4.30E-01	7.51E+00
1984	495211.06	3859401.99	0.61634	0.25437	0.42328	0.41603	1.79802	1.25133	0.2564	0.25437	6.32E+00	1.14E-01	1.07E-05	2.15E-02	8.29E-01	1.73E-01	4.43E-01	4.21E-01	7.48E+00
1985	495261.06	3859401.99	0.61254	0.24885	0.41964	0.41545	1.79125	1.16372	0.2508	0.24885	6.28E+00	1.12E-01	1.06E-05	2.15E-02	8.25E-01	1.61E-01	4.33E-01	4.12E-01	7.42E+00
1986	495311.06	3859401.99	0.60861	0.24299	0.41558	0.41459	1.77703	1.14668	0.24484	0.24299	6.24E+00	1.09E-01	1.05E-05	2.15E-02	8.19E-01	1.59E-01	4.23E-01	4.03E-01	7.37E+00
1987	495361.06	3859401.99	0.60563	0.2361	0.41496	0.41599	1.78423	1.23107	0.2379	0.2361	6.21E+00	1.06E-01	1.05E-05	2.15E-02	8.22E-01	1.70E-01	4.11E-01	3.91E-01	7.35E+00
1988	495411.06	3859401.99	0.60213	0.22921	0.41227	0.41602	1.77206	1.25246	0.23093	0.22921	6.17E+00	1.03E-01	1.05E-05	2.15E-02	8.17E-01	1.73E-01	3.99E-01	3.80E-01	7.31E+00
1989	495461.06	3859401.99	0.5981	0.22231	0.40746	0.41463	1.75045	1.15924	0.22395	0.22231	6.13E+00	1.00E-01	1.03E-05	2.15E-02	8.07E-01	1.60E-01	3.87E-01	3.68E-01	7.24E+00
1990	495511.06	3859401.99	0.59355	0.21522	0.39977	0.41175	1.72367	0.96427	0.2168	0.21522	6.09E+00	9.69E-02	1.01E-05	2.13E-02	7.94E-01	1.33E-01	3.74E-01	3.57E-01	7.15E+00
1991	495561.06	3859401.99	0.58877	0.20822	0.39187	0.40796	1.67922	0.94008	0.20977	0.20822	6.04E+00	9.37E-02	9.94E-06	2.11E-02	7.74E-01	1.30E-01	3.62E-01	3.45E-01	7.07E+00

1992	495611.06	3859401.99	0.58491	0.20063	0.38741	0.40658	1.66846	0.83746	0.20209	0.20063	6.00E+00	9.03E-02	9.83E-06	2.10E-02	7.69E-01	1.16E-01	3.49E-01	3.32E-01	7.01E+00
1993	495661.06	3859401.99	0.58127	0.19262	0.38364	0.40572	1.66236	0.8108	0.19397	0.19262	5.96E+00	8.67E-02	9.73E-06	2.10E-02	7.66E-01	1.12E-01	3.35E-01	3.19E-01	6.96E+00
1994	494311.06	3859451.99	0.69234	0.26011	0.70195	0.74289	2.25916	1.01854	0.2714	0.26011	7.10E+00	1.17E-01	1.78E-05	3.85E-02	1.04E+00	1.41E-01	4.69E-01	4.31E-01	8.47E+00
1995	494361.06	3859451.99	0.69226	0.25793	0.69409	0.73057	2.21248	1.0351	0.27029	0.25793	7.10E+00	1.16E-01	1.76E-05	3.78E-02	1.02E+00	1.43E-01	4.67E-01	4.27E-01	8.45E+00
1996	494411.06	3859451.99	0.69506	0.25476	0.68177	0.71493	2.14358	1.06463	0.26848	0.25476	7.13E+00	1.15E-01	1.73E-05	3.70E-02	9.88E-01	1.47E-01	4.64E-01	4.22E-01	8.46E+00
1997	494461.06	3859451.99	0.69198	0.25365	0.67743	0.70781	2.09346	1.09017	0.26762	0.25365	7.10E+00	1.14E-01	1.72E-05	3.66E-02	9.65E-01	1.51E-01	4.62E-01	4.20E-01	8.40E+00
1998	494511.06	3859451.99	0.6913	0.25141	0.66825	0.69736	2.02558	1.1719	0.26621	0.25141	7.09E+00	1.13E-01	1.70E-05	3.61E-02	9.33E-01	1.62E-01	4.60E-01	4.17E-01	8.38E+00
1999	494561.06	3859451.99	0.6897	0.24923	0.66136	0.68826	1.95711	1.24813	0.26466	0.24923	7.07E+00	1.12E-01	1.68E-05	3.56E-02	9.02E-01	1.73E-01	4.57E-01	4.13E-01	8.34E+00
2000	494611.06	3859451.99	0.68633	0.251	0.65682	0.68294	1.89414	1.30541	0.26383	0.251	7.04E+00	1.13E-01	1.67E-05	3.54E-02	8.73E-01	1.80E-01	4.56E-01	4.16E-01	8.28E+00
2001	494661.06	3859451.99	0.68152	0.25428	0.64721	0.64899	1.80812	1.3673	0.26117	0.25428	6.99E+00	1.14E-01	1.64E-05	3.36E-02	8.33E-01	1.89E-01	4.51E-01	4.21E-01	8.19E+00
2002	494711.06	3859451.99	0.67345	0.25725	0.63727	0.62292	1.71709	1.45101	0.26196	0.25725	6.91E+00	1.16E-01	1.62E-05	3.22E-02	7.91E-01	2.01E-01	4.52E-01	4.26E-01	8.07E+00
2003	494761.06	3859451.99	0.66719	0.25932	0.62861	0.60763	1.71565	1.56535	0.26352	0.25932	6.84E+00	1.17E-01	1.59E-05	3.15E-02	7.91E-01	2.16E-01	4.55E-01	4.30E-01	8.02E+00
2004	494811.06	3859451.99	0.65986	0.26228	0.61568	0.55806	1.71909	2.3127	0.26589	0.26228	6.77E+00	1.18E-01	1.56E-05	2.89E-02	7.92E-01	3.20E-01	4.59E-01	4.35E-01	8.05E+00
2005	494861.06	3859451.99	0.65403	0.26506	0.45431	0.51436	1.72489	2.92515	0.26838	0.26506	6.71E+00	1.19E-01	1.15E-05	2.66E-02	7.95E-01	4.04E-01	4.63E-01	4.39E-01	8.08E+00
2006	494911.06	3859451.99	0.64873	0.26651	0.44691	0.48756	1.73767	1.55872	0.26956	0.26651	6.65E+00	1.20E-01	1.13E-05	2.52E-02	8.01E-01	2.15E-01	4.65E-01	4.42E-01	7.84E+00
2007	494961.06	3859451.99	0.64439	0.26639	0.44248	0.4728	1.76329	1.29051	0.26927	0.26639	6.61E+00	1.20E-01	1.12E-05	2.45E-02	8.13E-01	1.78E-01	4.65E-01	4.41E-01	7.77E+00
2008	495011.06	3859451.99	0.63977	0.26654	0.43688	0.44855	1.77853	1.27066	0.26926	0.26654	6.56E+00	1.20E-01	1.11E-05	2.32E-02	8.20E-01	1.76E-01	4.65E-01	4.42E-01	7.72E+00
2009	495061.06	3859451.99	0.63524	0.26557	0.43134	0.43646	1.78998	1.2515	0.26808	0.26557	6.51E+00	1.20E-01	1.09E-05	2.26E-02	8.25E-01	1.73E-01	4.63E-01	4.40E-01	7.68E+00
2010	495111.06	3859451.99	0.63074	0.26381	0.42474	0.42884	1.79623	1.21783	0.26625	0.26381	6.47E+00	1.19E-01	1.08E-05	2.22E-02	8.28E-01	1.68E-01	4.60E-01	4.37E-01	7.63E+00
2011	495161.06	3859451.99	0.62702	0.2604	0.42203	0.42839	1.81674	1.15306	0.26274	0.2604	6.43E+00	1.17E-01	1.07E-05	2.22E-02	8.37E-01	1.59E-01	4.54E-01	4.31E-01	7.59E+00
2012	495211.06	3859451.99	0.6236	0.25613	0.42027	0.43175	1.83932	1.0459	0.25829	0.25613	6.39E+00	1.15E-01	1.07E-05	2.24E-02	8.48E-01	1.45E-01	4.46E-01	4.24E-01	7.55E+00
2013	495261.06	3859451.99	0.62008	0.25146	0.41901	0.43174	1.85528	1.1001	0.25358	0.25146	6.36E+00	1.13E-01	1.06E-05	2.23E-02	8.55E-01	1.52E-01	4.38E-01	4.17E-01	7.52E+00
2014	495311.06	3859451.99	0.61606	0.24708	0.41379	0.42725	1.85351	1.15868	0.24911	0.24708	6.32E+00	1.11E-01	1.05E-05	2.21E-02	8.54E-01	1.60E-01	4.30E-01	4.09E-01	7.49E+00
2015	495361.06	3859451.99	0.61227	0.24186	0.41043	0.42657	1.85355	1.16556	0.24383	0.24186	6.28E+00	1.09E-01	1.04E-05	2.21E-02	8.54E-01	1.61E-01	4.21E-01	4.01E-01	7.44E+00
2016	495411.06	3859451.99	0.60825	0.23642	0.406	0.42528	1.84245	1.08782	0.23835	0.23642	6.24E+00	1.06E-01	1.03E-05	2.20E-02	8.49E-01	1.50E-01	4.12E-01	3.92E-01	7.38E+00
2017	495461.06	3859451.99	0.60447	0.2304	0.4025	0.42459	1.83319	0.93351	0.23221	0.2304	6.20E+00	1.04E-01	1.02E-05	2.20E-02	8.45E-01	1.29E-01	4.01E-01	3.82E-01	7.32E+00
2018	495511.06	3859451.99	0.59952	0.22511	0.39448	0.42108	1.78918	0.86915	0.22681	0.22511	6.15E+00	1.01E-01	1.00E-05	2.18E-02	8.25E-01	1.20E-01	3.92E-01	3.73E-01	7.23E+00
2019	495561.06	3859451.99	0.5954	0.21841	0.38947	0.41934	1.76095	0.80574	0.22006	0.21841	6.11E+00	9.83E-02	9.88E-06	2.17E-02	8.12E-01	1.11E-01	3.80E-01	3.62E-01	7.17E+00
2020	495611.06	3859451.99	0.59137	0.21123	0.38468	0.41778	1.73014	0.72009	0.21283	0.21123	6.06E+00	9.51E-02	9.76E-06	2.16E-02	7.97E-01	9.96E-02	3.67E-01	3.50E-01	7.09E+00
2021	495661.06	3859451.99	0.58744	0.20381	0.38027	0.41639	1.72435	0.69988	0.20533	0.20381	6.02E+00	9.17E-02	9.65E-06	2.16E-02	7.95E-01	9.68E-02	3.55E-01	3.38E-01	7.05E+00
2022	494311.06	3859501.99	0.68946	0.26563	0.65001	0.77909	2.28623	0.9941	0.27493	0.26563	7.07E+00	1.20E-01	1.65E-05	4.03E-02	1.05E+00	1.37E-01	4.75E-01	4.40E-01	8.46E+00
2023	494361.06	3859501.99	0.6894	0.26338	0.64457	0.76615	2.26469	1.00925	0.27372	0.26338	7.07E+00	1.19E-01	1.64E-05	3.97E-02	1.04E+00	1.40E-01	4.73E-01	4.36E-01	8.45E+00
2024	494411.06	3859501.99	0.69402	0.25929	0.63224	0.74681	2.2179	1.014	0.27177	0.25929	7.12E+00	1.17E-01	1.60E-05	3.87E-02	1.02E+00	1.40E-01	4.69E-01	4.30E-01	8.47E+00
2025	494461.06	3859501.99	0.68822	0.25917	0.6337	0.74269	2.19691	1.02647	0.27125	0.25917	7.06E+00	1.17E-01	1.61E-05	3.84E-02	1.01E+00	1.42E-01	4.68E-01	4.29E-01	8.41E+00
2026	494511.06	3859501.99	0.68811	0.25687	0.62696	0.73092	2.14868	1.08224	0.26961	0.25687	7.06E+00	1.16E-01	1.59E-05	3.78E-02	9.90E-01	1.50E-01	4.65E-01	4.26E-01	8.39E+00
2027	494561.06	3859501.99	0.68722	0.25467	0.62093	0.72041	2.09601	1.13275	0.26821	0.25467	7.05E+00	1.15E-01	1.58E-05	3.73E-02	9.66E-01	1.57E-01	4.63E-01	4.22E-01	8.36E+00
2028	494611.06	3859501.99	0.6811	0.25477	0.62195	0.718	2.0609	1.18355	0.26784	0.25477	6.98E+00	1.15E-01	1.58E-05	3.72E-02	9.50E-01	1.64E-01	4.62E-01	4.22E-01	8.29E+00
2029	494661.06	3859501.99	0.68197	0.25158	0.6129	0.70559	1.98953	1.2558	0.26579	0.25158	6.99E+00	1.13E-01	1.55E-05	3.65E-02	9.17E-01	1.74E-01	4.59E-01	4.17E-01	8.28E+00
2030	494711.06	3859501.99	0.68306	0.24944	0.60031	0.67971	1.90256	1.36132	0.26164	0.24944	7.00E+00	1.12E-01	1.52E-05	3.52E-02	8.77E-01	1.88E-01	4.52E-01	4.13E-01	8.25E+00
2031	494761.06	3859501.99	0.67914	0.25096	0.59807	0.67924	1.84687	1.48258	0.26131	0.25096	6.96E+00	1.13E-01	1.52E-05	3.52E-02	8.51E-01	2.05E-01	4.51E-01	4.16E-01	8.20E+00
2032	494811.06	3859501.99	0.66757	0.2555	0.58254	0.61539	1.73315	2.23815	0.26011	0.2555	6.85E+00	1.15E-01	1.48E-05	3.19E-02	7.99E-01	3.09E-01	4.49E-01	4.23E-01	8.13E+00
2033	494861.06	3859501.99	0.66214	0.25719	0.57593	0.60138	1.65419	2.76113	0.26135	0.25719	6.79E+00	1.16E-01	1.46E-05	3.11E-02	7.62E-01	3.82E-01	4.51E-01	4.26E-01	8.11E+00
2034	494911.06	3859501.99	0.6578	0.25796	0.57153	0.59637	1.6502	1.58918	0.26355	0.25796	6.75E+00	1.16E-01	1.45E-05	3.09E-02	7.60E-01	2.20E-01	4.55E-01	4.27E-01	7.90E+00
2035	494961.06	3859501.99	0.65209	0.25986	0.56289	0.55751	1.6699	1.27687	0.26333	0.25986	6.69E+00	1.17E-01	1.43E-05	2.89E-02	7.70E-01	1.77E-01	4.55E-01	4.31E-01	7.80E+00
2036	495011.06	3859501.99	0.64797	0.25976	0.55854	0.54787	1.70614	1.2272	0.26301	0.25976	6.64E+00	1.17E-01	1.42E-05	2.84E-02	7.86E-01	1.70E-01	4.54E-01	4.30E-01	7.77E+00
2037	495061.06	3859501.99	0.64391	0.25897	0.55429	0.53764	1.74036	1.16448	0.26203	0.25897	6.60E+00	1.17E-01	1.41E-05	2.78E-02	8.02E-01	1.61E-01	4.52E-01	4.29E-01	7.73E+00
2038	495111.06	3859501.99	0.63884	0.25924	0.42029	0.51312	1.74979	1.07386	0.26341	0.25924	6.55E+00	1.17E-01	1.07E-05	2.66E-02	8.06E-01	1.48E-01	4.55E-01	4.30E-01	7.67E+00
2039	495161.06	3859501.99	0.63489	0.25719	0.4173	0.51099	1.77858	1.01812	0.25991	0.25719	6.51E+00	1.16E-01	1.06E-05	2.65E-02	8.20E-01	1.41E-01	4.49E-01	4.26E-01	7.64E+00
2040	495211.06	3859501.99	0.63154	0.25394	0.41603	0.51508	1.81333	1.07185	0.257	0.25394	6.48E+00	1.14E-01	1.06E-05	2.67E-02	8.36E-01	1.48E-01	4.44E-01	4.21E-01	7.62E+00
2041	495261.06	3859501.99	0.62762	0.25101	0.41287	0.50953	1.83444	1.11024	0.25344	0.25101	6.44E+00	1.13E-01	1.05E-05	2.64E-02	8.45E-01	1.53E-01	4.38E-01	4.16E-01	7.60E+00
2042	495311.06	3859501.99	0.624	0.24711	0.41051	0.5086	1.8562	1.10668	0.2506	0.24711	6.40E+00	1.11E-01	1.04E-05	2.63E-02	8.55E-01	1.53E-01	4.33E-01	4.09E-01	7.57E+00
2043	495361.06	3859501.99	0.61993	0.24333	0.40667	0.50164	1.8662	1.03868	0.24561	0.24333	6.36E+00	1.10E-01	1.03E-05	2.60E-02	8.60E-01	1.44E-01	4.24E-01	4.03E-01	7.52E+00
2044	495411.06	3859501.99	0.616	0.23894	0.40312	0.49075	1.87379	0.9114	0.24123	0.23894	6.32E+00	1.08E-01	1.02E-05	2.54E-02	8.64E-01	1.26E-01	4.16E-01	3.96E-01	7.46E+00
2045	495461.06	3859501.99	0.6118	0.23463	0.39865	0.47823	1.87234	0.79383	0.23663	0.23463	6.27E+00	1.06E-01	1.01E-05	2.48E-02	8.63E-01	1.10E-01	4.09E-01	3.89E-01	7.40E+00
2046	495511.06	3859501.99	0.60661	0.2312	0.38784	0.43617	1.83159	0.77138	0.23314	0.2312	6.22E+00	1.04E-01	9.84E-06	2.26E-02	8.44E-01	1.07E-01	4.03E-01	3.83E-01	7.32E+00
2047	495561.06	3859501.99	0.60279	0.22574	0.38686	0.43324	1.83941	0.69963	0.22755	0.22574	6.18E+00	1.02E-01	9.81E-06	2.24E-02	8.48E-01	9.67E-02	3.93E-01	3.74E-01	7.27E+00
2048	495611.06	3859501.99	0.59852	0.22001	0.38077	0.42744	1.81998	0.62945	0.22177	0.22001	6.14E+00	9.90E-02	9.66E-06	2.21E-02	8.39E-01	8.70E-02	3.83E-01	3.65E-01	7.20E+00

2049	495661.06	3859501.99	0.59414	0.2139	0.37497	0.42512	1.79244	0.61009	0.21557	0.2139
2050	494311.06	3859551.99	0.68792	0.27014	0.59253	0.81455	2.24794	0.95032	0.27755	0.27014
2051	494361.06	3859551.99	0.68819	0.26717	0.58692	0.80065	2.24612	0.94684	0.27606	0.26717
2052	494411.06	3859551.99	0.69306	0.26302	0.57805	0.78065	2.22898	0.93832	0.27404	0.26302
2053	494461.06	3859551.99	0.68657	0.26338	0.5837	0.77836	2.22976	0.95836	0.27351	0.26338
2054	494511.06	3859551.99	0.68619	0.26096	0.57959	0.76626	2.20652	1.00612	0.27192	0.26096
2055	494561.06	3859551.99	0.68457	0.25912	0.57671	0.75608	2.17842	1.05852	0.27065	0.25912
2056	494611.06	3859551.99	0.68108	0.258	0.57596	0.74878	2.14973	1.12164	0.26964	0.258
2057	494661.06	3859551.99	0.67889	0.25628	0.57308	0.74016	2.11093	1.20482	0.26837	0.25628
2058	494711.06	3859551.99	0.68507	0.24841	0.55716	0.71532	2.02873	1.34994	0.26231	0.24841
2059	494761.06	3859551.99	0.67705	0.25136	0.56278	0.71871	2.00516	1.45835	0.26465	0.25136
2060	494811.06	3859551.99	0.67967	0.24682	0.55053	0.69392	1.9231	2.24232	0.25944	0.24682
2061	494861.06	3859551.99	0.67468	0.24925	0.54583	0.6591	1.85928	2.79368	0.25521	0.24925
2062	494911.06	3859551.99	0.66753	0.25173	0.53951	0.63108	1.7857	1.56178	0.25662	0.25173
2063	494961.06	3859551.99	0.66315	0.25272	0.53647	0.62414	1.72306	1.2146	0.2572	0.25272
2064	495011.06	3859551.99	0.65937	0.25297	0.53419	0.62018	1.66088	1.12359	0.25713	0.25297
2065	495061.06	3859551.99	0.65411	0.25344	0.52906	0.60813	1.63224	1.01515	0.25724	0.25344
2066	495111.06	3859551.99	0.64832	0.25392	0.52223	0.59643	1.65875	1.02337	0.25738	0.25392
2067	495161.06	3859551.99	0.64461	0.25268	0.5197	0.59392	1.70021	1.05805	0.25594	0.25268
2068	495211.06	3859551.99	0.64141	0.25062	0.51814	0.59425	1.74332	1.08069	0.2537	0.25062
2069	495261.06	3859551.99	0.63643	0.24913	0.51243	0.58248	1.76642	1.06696	0.25203	0.24913
2070	495311.06	3859551.99	0.63204	0.24796	0.50791	0.57745	1.79122	1.00491	0.24959	0.24796
2071	495361.06	3859551.99	0.62809	0.24382	0.50426	0.57451	1.81661	0.89619	0.24642	0.24382
2072	495411.06	3859551.99	0.62447	0.24009	0.50149	0.57242	1.84228	0.76584	0.24258	0.24009
2073	495461.06	3859551.99	0.61919	0.23769	0.49396	0.53677	1.84353	0.73173	0.24004	0.23769
2074	495511.06	3859551.99	0.6142	0.23467	0.38465	0.51182	1.83806	0.68045	0.23701	0.23467
2075	495561.06	3859551.99	0.61002	0.23018	0.38064	0.50242	1.84332	0.61533	0.23231	0.23018
2076	495611.06	3859551.99	0.60582	0.22535	0.37645	0.48568	1.84352	0.56476	0.22743	0.22535
2077	495661.06	3859551.99	0.60133	0.22095	0.37104	0.45461	1.83313	0.54767	0.22286	0.22095
2078	494311.06	3859601.99	0.68598	0.27376	0.56721	0.84856	2.1522	0.88247	0.279	0.27376
2079	494361.06	3859601.99	0.6908	0.26929	0.5271	0.829	2.17513	0.86235	0.27719	0.26929
2080	494411.06	3859601.99	0.69182	0.26651	0.52522	0.81601	2.18668	0.87284	0.27544	0.26651
2081	494461.06	3859601.99	0.68531	0.26656	0.53154	0.81318	2.19968	0.91578	0.27461	0.26656
2082	494511.06	3859601.99	0.687	0.26325	0.52705	0.79824	2.19566	0.97049	0.27284	0.26325
2083	494561.06	3859601.99	0.68161	0.26301	0.53114	0.79318	2.19558	1.02746	0.27187	0.26301
2084	494611.06	3859601.99	0.67779	0.26196	0.53277	0.78563	2.18631	1.09919	0.2708	0.26196
2085	494661.06	3859601.99	0.67972	0.25783	0.52501	0.76954	2.15657	1.19975	0.26845	0.25783
2086	494711.06	3859601.99	0.68247	0.25348	0.51847	0.75293	2.11752	1.34962	0.26512	0.25348
2087	494761.06	3859601.99	0.67261	0.25578	0.52701	0.75533	2.11004	1.44029	0.26637	0.25578
2088	494811.06	3859601.99	0.67558	0.25099	0.51792	0.73827	2.05537	2.24668	0.26282	0.25099
2089	494861.06	3859601.99	0.67316	0.24859	0.5157	0.72875	2.01201	2.86844	0.26101	0.24859
2090	494911.06	3859601.99	0.67412	0.24352	0.50749	0.71099	1.94836	1.54674	0.25497	0.24352
2091	494961.06	3859601.99	0.66732	0.24489	0.51174	0.71338	1.91391	1.13815	0.25825	0.24489
2092	495011.06	3859601.99	0.66889	0.24691	0.50219	0.68957	1.83798	1.03312	0.25222	0.24691
2093	495061.06	3859601.99	0.66381	0.24692	0.5025	0.69187	1.78866	1.04243	0.2519	0.24692
2094	495111.06	3859601.99	0.66102	0.24853	0.49641	0.65376	1.71413	1.05545	0.25294	0.24853
2095	495161.06	3859601.99	0.65751	0.24799	0.49522	0.65548	1.65468	1.06264	0.25208	0.24799
2096	495211.06	3859601.99	0.65259	0.2476	0.49202	0.63487	1.61339	1.04224	0.2514	0.2476
2097	495261.06	3859601.99	0.64848	0.24636	0.48965	0.62733	1.65525	0.98349	0.24991	0.24636
2098	495311.06	3859601.99	0.64472	0.24452	0.48754	0.6236	1.69577	0.88858	0.24786	0.24452
2099	495361.06	3859601.99	0.63941	0.24301	0.48336	0.60509	1.7267	0.77245	0.2461	0.24301
2100	495411.06	3859601.99	0.63548	0.24034	0.48077	0.60103	1.76059	0.68802	0.24327	0.24034
2101	495461.06	3859601.99	0.62812	0.23912	0.47222	0.58003	1.76991	0.65934	0.24181	0.23912
2102	495511.06	3859601.99	0.62209	0.23768	0.46452	0.56321	1.77796	0.61836	0.23943	0.23768
2103	495561.06	3859601.99	0.61883	0.23249	0.46321	0.56287	1.80803	0.59615	0.2349	0.23249
2104	495611.06	3859601.99	0.61278	0.2301	0.45424	0.53047	1.803	0.57108	0.23236	0.2301
2105	495661.06	3859601.99	0.60897	0.22521	0.45135	0.52561	1.81999	0.56272	0.22736	0.22521

6.09E+00	9.63E-02	9.51E-06	2.20E-02	8.26E-01	8.43E-02	3.72E-01	3.54E-01	7.14E+00
7.05E+00	1.22E-01	1.50E-05	4.22E-02	1.04E+00	1.31E-01	4.79E-01	4.48E-01	8.42E+00
7.06E+00	1.20E-01	1.49E-05	4.14E-02	1.04E+00	1.31E-01	4.77E-01	4.43E-01	8.42E+00
7.11E+00	1.18E-01	1.47E-05	4.04E-02	1.03E+00	1.30E-01	4.73E-01	4.36E-01	8.46E+00
7.04E+00	1.19E-01	1.48E-05	4.03E-02	1.03E+00	1.32E-01	4.72E-01	4.36E-01	8.39E+00
7.04E+00	1.17E-01	1.47E-05	3.97E-02	1.02E+00	1.39E-01	4.69E-01	4.32E-01	8.39E+00
7.02E+00	1.17E-01	1.46E-05	3.91E-02	1.00E+00	1.46E-01	4.67E-01	4.29E-01	8.36E+00
6.98E+00	1.16E-01	1.46E-05	3.88E-02	9.91E-01	1.55E-01	4.66E-01	4.27E-01	8.32E+00
6.96E+00	1.15E-01	1.45E-05	3.83E-02	9.73E-01	1.67E-01	4.63E-01	4.25E-01	8.29E+00
7.02E+00	1.12E-01	1.41E-05	3.70E-02	9.35E-01	1.87E-01	4.53E-01	4.12E-01	8.34E+00
6.94E+00	1.13E-01	1.43E-05	3.72E-02	9.24E-01	2.02E-01	4.57E-01	4.16E-01	8.26E+00
6.97E+00	1.11E-01	1.40E-05	3.59E-02	8.86E-01	3.10E-01	4.48E-01	4.09E-01	8.35E+00
6.92E+00	1.12E-01	1.38E-05	3.41E-02	8.57E-01	3.86E-01	4.41E-01	4.13E-01	8.34E+00
6.84E+00	1.13E-01	1.37E-05	3.27E-02	8.23E-01	2.16E-01	4.43E-01	4.17E-01	8.06E+00
6.80E+00	1.14E-01	1.36E-05	3.23E-02	7.94E-01	1.68E-01	4.44E-01	4.19E-01	7.93E+00
6.76E+00	1.14E-01	1.36E-05	3.21E-02	7.65E-01	1.55E-01	4.44E-01	4.19E-01	7.85E+00
6.71E+00	1.14E-01	1.34E-05	3.15E-02	7.52E-01	1.40E-01	4.44E-01	4.20E-01	7.77E+00
6.65E+00	1.14E-01	1.32E-05	3.09E-02	7.64E-01	1.41E-01	4.44E-01	4.21E-01	7.72E+00
6.61E+00	1.14E-01	1.32E-05	3.07E-02	7.84E-01	1.46E-01	4.42E-01	4.19E-01	7.71E+00
6.58E+00	1.13E-01	1.31E-05	3.08E-02	8.03E-01	1.49E-01	4.38E-01	4.15E-01	7.70E+00
6.53E+00	1.12E-01	1.30E-05	3.02E-02	8.14E-01	1.48E-01	4.35E-01	4.13E-01	7.65E+00
6.48E+00	1.12E-01	1.29E-05	2.99E-02	8.25E-01	1.39E-01	4.31E-01	4.11E-01	7.61E+00
6.44E+00	1.10E-01	1.28E-05	2.97E-02	8.37E-01	1.24E-01	4.25E-01	4.04E-01	7.56E+00
6.40E+00	1.08E-01	1.27E-05	2.96E-02	8.49E-01	1.06E-01	4.19E-01	3.98E-01	7.52E+00
6.35E+00	1.07E-01	1.25E-05	2.78E-02	8.50E-01	1.01E-01	4.14E-01	3.94E-01	7.46E+00
6.30E+00	1.06E-01	9.76E-06	2.65E-02	8.47E-01	9.41E-02	4.09E-01	3.89E-01	7.39E+00
6.26E+00	1.04E-01	9.66E-06	2.60E-02	8.49E-01	8.51E-02	4.01E-01	3.81E-01	7.34E+00
6.21E+00	1.01E-01	9.55E-06	2.51E-02	8.50E-01	7.81E-02	3.93E-01	3.73E-01	7.29E+00
6.17E+00	9.94E-02	9.41E-06	2.35E-02	8.45E-01	7.57E-02	3.85E-01	3.66E-01	7.23E+00
7.03E+00	1.23E-01	1.44E-05	4.39E-02	9.92E-01	1.22E-01	4.82E-01	4.54E-01	8.34E+00
7.08E+00	1.21E-01	1.34E-05	4.29E-02	1.00E+00	1.19E-01	4.79E-01	4.46E-01	8.40E+00
7.09E+00	1.20E-01	1.33E-05	4.22E-02	1.01E+00	1.21E-01	4.76E-01	4.42E-01	8.42E+00
7.03E+00	1.20E-01	1.35E-05	4.21E-02	1.01E+00	1.27E-01	4.74E-01	4.42E-01	8.36E+00
7.04E+00	1.18E-01	1.34E-05	4.13E-02	1.01E+00	1.34E-01	4.71E-01	4.36E-01	8.39E+00
6.99E+00	1.18E-01	1.35E-05	4.11E-02	1.01E+00	1.42E-01	4.69E-01	4.36E-01	8.34E+00
6.95E+00	1.18E-01	1.35E-05	4.07E-02	1.01E+00	1.52E-01	4.68E-01	4.34E-01	8.30E+00
6.97E+00	1.16E-01	1.33E-05	3.98E-02	9.94E-01	1.66E-01	4.63E-01	4.27E-01	8.32E+00
7.00E+00	1.14E-01	1.32E-05	3.90E-02	9.76E-01	1.87E-01	4.58E-01	4.20E-01	8.35E+00
6.90E+00	1.15E-01	1.34E-05	3.91E-02	9.72E-01	1.99E-01	4.60E-01	4.24E-01	8.26E+00
6.93E+00	1.13E-01	1.31E-05	3.82E-02	9.47E-01	3.11E-01	4.54E-01	4.16E-01	8.37E+00
6.90E+00	1.12E-01	1.31E-05	3.77E-02	9.27E-01	3.97E-01	4.51E-01	4.12E-01	8.41E+00
6.91E+00	1.10E-01	1.29E-05	3.68E-02	8.98E-01	2.14E-01	4.40E-01	4.03E-01	8.21E+00
6.84E+00	1.10E-01	1.30E-05	3.69E-02	8.82E-01	1.57E-01	4.46E-01	4.06E-01	8.07E+00
6.86E+00	1.11E-01	1.27E-05	3.57E-02	8.47E-01	1.43E-01	4.35E-01	4.09E-01	8.02E+00
6.81E+00	1.11E-01	1.27E-05	3.58E-02	8.24E-01	1.44E-01	4.35E-01	4.09E-01	7.95E+00
6.78E+00	1.12E-01	1.26E-05	3.38E-02	7.90E-01	1.46E-01	4.37E-01	4.12E-01	7.88E+00
6.74E+00	1.12E-01	1.26E-05	3.39E-02	7.63E-01	1.47E-01	4.35E-01	4.11E-01	7.82E+00
6.69E+00	1.11E-01	1.25E-05	3.29E-02	7.44E-01	1.44E-01	4.34E-01	4.10E-01	7.75E+00
6.65E+00	1.11E-01	1.24E-05	3.25E-02	7.63E-01	1.36E-01	4.31E-01	4.08E-01	7.71E+00
6.61E+00	1.10E-01	1.24E-05	3.23E-02	7.81E-01	1.23E-01	4.28E-01	4.05E-01	7.68E+00
6.56E+00	1.09E-01	1.23E-05	3.13E-02	7.96E-01	1.07E-01	4.25E-01	4.03E-01	7.62E+00
6.52E+00	1.08E-01	1.22E-05	3.11E-02	8.11E-01	9.51E-02	4.20E-01	3.98E-01	7.58E+00
6.44E+00	1.08E-01	1.20E-05	3.00E-02	8.16E-01	9.12E-02	4.17E-01	3.96E-01	7.51E+00
6.38E+00	1.07E-01	1.18E-05	2.92E-02	8.19E-01	8.55E-02	4.13E-01	3.94E-01	7.44E+00
6.35E+00	1.05E-01	1.18E-05	2.91E-02	8.33E-01	8.24E-02	4.06E-01	3.85E-01	7.42E+00
6.28E+00	1.04E-01	1.15E-05	2.75E-02	8.31E-01	7.90E-02	4.01E-01	3.81E-01	7.34E+00
6.24E+00	1.01E-01	1.14E-05	2.72E-02	8.39E-01	7.78E-02	3.93E-01	3.73E-01	7.31E+00

2106	494311.06	3859651.99	0.6876	0.27472	0.55461	0.871	2.01615	0.79384	0.27888	0.27472	7.05E+00	1.24E-01	1.41E-05	4.51E-02	9.29E-01	1.10E-01	4.81E-01	4.55E-01	8.28E+00
2107	494361.06	3859651.99	0.69195	0.27059	0.50433	0.85395	2.05614	0.80931	0.27711	0.27059	7.10E+00	1.22E-01	1.28E-05	4.42E-02	9.48E-01	1.12E-01	4.78E-01	4.48E-01	8.35E+00
2108	494411.06	3859651.99	0.69003	0.26882	0.49231	0.84595	2.08715	0.85539	0.27565	0.26882	7.08E+00	1.21E-01	1.25E-05	4.38E-02	9.62E-01	1.18E-01	4.76E-01	4.45E-01	8.35E+00
2109	494461.06	3859651.99	0.68395	0.26864	0.50538	0.84327	2.11301	0.90569	0.27453	0.26864	7.01E+00	1.21E-01	1.28E-05	4.37E-02	9.74E-01	1.25E-01	4.74E-01	4.45E-01	8.31E+00
2110	494511.06	3859651.99	0.68251	0.26667	0.49028	0.83344	2.13336	0.95837	0.27311	0.26667	7.00E+00	1.20E-01	1.24E-05	4.31E-02	9.83E-01	1.32E-01	4.72E-01	4.42E-01	8.31E+00
2111	494561.06	3859651.99	0.67936	0.26534	0.48524	0.82542	2.1473	1.02254	0.27182	0.26534	6.97E+00	1.19E-01	1.23E-05	4.27E-02	9.90E-01	1.41E-01	4.69E-01	4.40E-01	8.29E+00
2112	494611.06	3859651.99	0.67652	0.26387	0.48631	0.81659	2.15521	1.09735	0.27056	0.26387	6.94E+00	1.19E-01	1.23E-05	4.23E-02	9.93E-01	1.52E-01	4.67E-01	4.37E-01	8.27E+00
2113	494661.06	3859651.99	0.67933	0.25963	0.47926	0.79944	2.14986	1.20456	0.26827	0.25963	6.97E+00	1.17E-01	1.22E-05	4.14E-02	9.91E-01	1.67E-01	4.63E-01	4.30E-01	8.31E+00
2114	494711.06	3859651.99	0.67619	0.25815	0.48105	0.79085	2.14577	1.3127	0.26709	0.25815	6.93E+00	1.16E-01	1.22E-05	4.09E-02	9.89E-01	1.81E-01	4.61E-01	4.28E-01	8.29E+00
2115	494761.06	3859651.99	0.67286	0.25725	0.48434	0.7831	2.13893	1.44068	0.266	0.25725	6.90E+00	1.16E-01	1.23E-05	4.05E-02	9.86E-01	1.99E-01	4.59E-01	4.26E-01	8.27E+00
2116	494811.06	3859651.99	0.67261	0.2539	0.48148	0.77056	2.11727	2.26123	0.26341	0.2539	6.90E+00	1.14E-01	1.22E-05	3.99E-02	9.76E-01	3.13E-01	4.55E-01	4.21E-01	8.37E+00
2117	494861.06	3859651.99	0.66938	0.25203	0.482	0.76172	2.09469	2.96134	0.26183	0.25203	6.86E+00	1.13E-01	1.22E-05	3.94E-02	9.65E-01	4.09E-01	4.52E-01	4.18E-01	8.43E+00
2118	494911.06	3859651.99	0.66763	0.24967	0.48021	0.75102	2.06276	1.62959	0.26003	0.24967	6.85E+00	1.12E-01	1.22E-05	3.89E-02	9.51E-01	2.25E-01	4.49E-01	4.14E-01	8.21E+00
2119	494961.06	3859651.99	0.66479	0.24762	0.47947	0.7421	2.02779	1.14443	0.2584	0.24762	6.82E+00	1.11E-01	1.22E-05	3.84E-02	9.34E-01	1.58E-01	4.46E-01	4.10E-01	8.10E+00
2120	495011.06	3859651.99	0.66267	0.24498	0.47743	0.73293	1.9852	1.07724	0.25574	0.24498	6.80E+00	1.10E-01	1.21E-05	3.79E-02	9.15E-01	1.49E-01	4.42E-01	4.06E-01	8.04E+00
2121	495061.06	3859651.99	0.65902	0.24349	0.4771	0.72589	1.94228	1.07149	0.25463	0.24349	6.76E+00	1.10E-01	1.21E-05	3.76E-02	8.95E-01	1.48E-01	4.40E-01	4.03E-01	7.98E+00
2122	495111.06	3859651.99	0.65747	0.24101	0.47365	0.71457	1.88811	1.06069	0.25261	0.24101	6.74E+00	1.08E-01	1.20E-05	3.70E-02	8.70E-01	1.47E-01	4.36E-01	3.99E-01	7.94E+00
2123	495161.06	3859651.99	0.6546	0.24345	0.47173	0.70586	1.83394	1.03104	0.25086	0.24345	6.71E+00	1.10E-01	1.20E-05	3.65E-02	8.45E-01	1.43E-01	4.33E-01	4.03E-01	7.88E+00
2124	495211.06	3859651.99	0.65094	0.24145	0.47059	0.69917	1.77883	0.97318	0.2495	0.24145	6.67E+00	1.09E-01	1.19E-05	3.62E-02	8.20E-01	1.35E-01	4.31E-01	4.00E-01	7.80E+00
2125	495261.06	3859651.99	0.64834	0.24157	0.46783	0.69118	1.71672	0.88514	0.24805	0.24157	6.65E+00	1.09E-01	1.19E-05	3.58E-02	7.91E-01	1.22E-01	4.28E-01	4.00E-01	7.73E+00
2126	495311.06	3859651.99	0.64513	0.24095	0.46567	0.68465	1.65403	0.78038	0.24662	0.24095	6.62E+00	1.08E-01	1.18E-05	3.54E-02	7.62E-01	1.08E-01	4.26E-01	3.99E-01	7.66E+00
2127	495361.06	3859651.99	0.64164	0.23968	0.46375	0.67861	1.59835	0.67683	0.24447	0.23968	6.58E+00	1.08E-01	1.18E-05	3.51E-02	7.37E-01	9.36E-02	4.22E-01	3.97E-01	7.58E+00
2128	495411.06	3859651.99	0.63911	0.23854	0.45931	0.66935	1.63525	0.66102	0.24226	0.23854	6.55E+00	1.07E-01	1.17E-05	3.47E-02	7.54E-01	9.14E-02	4.18E-01	3.95E-01	7.56E+00
2129	495461.06	3859651.99	0.63893	0.2385	0.45206	0.64545	1.65823	0.63739	0.24171	0.2385	6.55E+00	1.07E-01	1.15E-05	3.34E-02	7.64E-01	8.81E-02	4.17E-01	3.95E-01	7.57E+00
2130	495511.06	3859651.99	0.63255	0.23752	0.44576	0.58825	1.68121	0.62288	0.24046	0.23752	6.49E+00	1.07E-01	1.13E-05	3.05E-02	7.75E-01	8.61E-02	4.15E-01	3.94E-01	7.51E+00
2131	495561.06	3859651.99	0.62818	0.23459	0.44314	0.5795	1.71342	0.61104	0.23736	0.23459	6.44E+00	1.06E-01	1.12E-05	3.00E-02	7.90E-01	8.45E-02	4.10E-01	3.89E-01	7.47E+00
2132	495611.06	3859651.99	0.62275	0.2318	0.43864	0.56772	1.73681	0.5974	0.23439	0.2318	6.39E+00	1.04E-01	1.11E-05	2.94E-02	8.00E-01	8.26E-02	4.05E-01	3.84E-01	7.42E+00
2133	495661.06	3859651.99	0.6173	0.22869	0.4334	0.55845	1.75429	0.58343	0.23112	0.22869	6.33E+00	1.03E-01	1.10E-05	2.89E-02	8.08E-01	8.07E-02	3.99E-01	3.79E-01	7.37E+00
2134	494311.06	3859701.99	0.69472	0.27191	0.56884	0.8749	1.86854	0.78568	0.27713	0.27191	7.12E+00	1.22E-01	1.44E-05	4.53E-02	8.61E-01	1.09E-01	4.78E-01	4.51E-01	8.29E+00
2135	494361.06	3859701.99	0.69407	0.26984	0.54461	0.86736	1.89809	0.82867	0.27551	0.26984	7.12E+00	1.21E-01	1.38E-05	4.49E-02	8.75E-01	1.15E-01	4.76E-01	4.47E-01	8.30E+00
2136	494411.06	3859701.99	0.69037	0.26875	0.54038	0.86342	1.94308	0.87239	0.27415	0.26875	7.08E+00	1.21E-01	1.37E-05	4.47E-02	8.95E-01	1.21E-01	4.73E-01	4.45E-01	8.29E+00
2137	494461.06	3859701.99	0.68289	0.26906	0.56554	0.86404	1.97999	0.91979	0.27302	0.26906	7.00E+00	1.21E-01	1.43E-05	4.47E-02	9.12E-01	1.27E-01	4.71E-01	4.46E-01	8.23E+00
2138	494511.06	3859701.99	0.68075	0.26734	0.54809	0.85613	2.01514	0.96526	0.27156	0.26734	6.98E+00	1.20E-01	1.39E-05	4.43E-02	9.29E-01	1.33E-01	4.69E-01	4.43E-01	8.23E+00
2139	494561.06	3859701.99	0.67736	0.26606	0.54017	0.84913	2.04372	1.0224	0.27019	0.26606	6.95E+00	1.20E-01	1.37E-05	4.40E-02	9.42E-01	1.41E-01	4.66E-01	4.41E-01	8.22E+00
2140	494611.06	3859701.99	0.67428	0.26466	0.52973	0.84099	2.06743	1.09031	0.26884	0.26466	6.91E+00	1.19E-01	1.34E-05	4.35E-02	9.53E-01	1.51E-01	4.64E-01	4.39E-01	8.21E+00
2141	494661.06	3859701.99	0.6787	0.26048	0.46286	0.82279	2.09099	1.20017	0.26707	0.26048	6.96E+00	1.17E-01	1.17E-05	4.26E-02	9.64E-01	1.66E-01	4.61E-01	4.32E-01	8.28E+00
2142	494711.06	3859701.99	0.67365	0.25982	0.46783	0.81658	2.10415	1.28179	0.26595	0.25982	6.91E+00	1.17E-01	1.19E-05	4.23E-02	9.70E-01	1.77E-01	4.59E-01	4.31E-01	8.24E+00
2143	494761.06	3859701.99	0.6725	0.25714	0.44359	0.80511	2.11129	1.42169	0.26425	0.25714	6.90E+00	1.16E-01	1.13E-05	4.17E-02	9.73E-01	1.97E-01	4.56E-01	4.26E-01	8.25E+00
2144	494811.06	3859701.99	0.67155	0.25501	0.44219	0.79322	2.11134	2.28603	0.26257	0.25501	6.89E+00	1.15E-01	1.12E-05	4.11E-02	9.73E-01	3.16E-01	4.53E-01	4.23E-01	8.36E+00
2145	494861.06	3859701.99	0.66602	0.25445	0.44713	0.78666	2.10801	2.58574	0.26187	0.25445	6.83E+00	1.15E-01	1.13E-05	4.07E-02	9.71E-01	3.57E-01	4.52E-01	4.22E-01	8.34E+00
2146	494911.06	3859701.99	0.66415	0.25257	0.44717	0.77574	2.09689	1.65545	0.26034	0.25257	6.81E+00	1.14E-01	1.13E-05	4.02E-02	9.66E-01	2.29E-01	4.49E-01	4.18E-01	8.19E+00
2147	494961.06	3859701.99	0.66214	0.2504	0.44691	0.76495	2.07945	1.16301	0.25876	0.2504	6.79E+00	1.13E-01	1.13E-05	3.96E-02	9.58E-01	1.61E-01	4.47E-01	4.15E-01	8.09E+00
2148	495011.06	3859701.99	0.65833	0.24885	0.44854	0.75634	2.05804	1.10037	0.25773	0.24885	6.75E+00	1.12E-01	1.14E-05	3.92E-02	9.48E-01	1.52E-01	4.45E-01	4.12E-01	8.03E+00
2149	495061.06	3859701.99	0.65564	0.24703	0.44836	0.74651	2.02987	1.07195	0.25631	0.24703	6.72E+00	1.11E-01	1.14E-05	3.86E-02	9.35E-01	1.48E-01	4.43E-01	4.09E-01	7.99E+00
2150	495111.06	3859701.99	0.65302	0.24482	0.44769	0.73703	1.99616	1.03189	0.25398	0.24482	6.70E+00	1.10E-01	1.14E-05	3.82E-02	9.20E-01	1.43E-01	4.38E-01	4.06E-01	7.94E+00
2151	495161.06	3859701.99	0.65085	0.24116	0.44609	0.72617	1.95643	0.97019	0.25096	0.24116	6.67E+00	1.09E-01	1.13E-05	3.76E-02	9.02E-01	1.34E-01	4.33E-01	4.00E-01	7.89E+00
2152	495211.06	3859701.99	0.64893	0.2382	0.4438	0.71539	1.91074	0.8852	0.24876	0.2382	6.65E+00	1.07E-01	1.13E-05	3.70E-02	8.81E-01	1.22E-01	4.29E-01	3.95E-01	7.84E+00
2153	495261.06	3859701.99	0.64382	0.23769	0.44542	0.71005	1.86775	0.79144	0.24857	0.23769	6.60E+00	1.07E-01	1.13E-05	3.68E-02	8.61E-01	1.09E-01	4.29E-01	3.94E-01	7.75E+00
2154	495311.06	3859701.99	0.6416	0.23664	0.44296	0.70038	1.81428	0.72171	0.246	0.23664	6.58E+00	1.06E-01	1.12E-05	3.63E-02	8.36E-01	9.98E-02	4.25E-01	3.92E-01	7.69E+00
2155	495361.06	3859701.99	0.6391	0.23544	0.4406	0.69225	1.75759	0.70266	0.24367	0.23544	6.55E+00	1.06E-01	1.12E-05	3.58E-02	8.10E-01	9.71E-02	4.21E-01	3.90E-01	7.63E+00
2156	495411.06	3859701.99	0.63801	0.23659	0.43614	0.68007	1.69301	0.68109	0.24102	0.23659	6.54E+00	1.06E-01	1.11E-05	3.52E-02	7.80E-01	9.42E-02	4.16E-01	3.92E-01	7.58E+00
2157	495461.06	3859701.99	0.63588	0.23807	0.43286	0.66905	1.62821	0.66554	0.24036	0.23807	6.52E+00	1.07E-01	1.10E-05	3.46E-02	7.50E-01	9.20E-02	4.15E-01	3.94E-01	7.52E+00
2158	495511.06	3859701.99	0.63729	0.23752	0.4237	0.64819	1.54728	0.64568	0.2424	0.23752	6.53E+00	1.07E-01	1.07E-05	3.36E-02	7.13E-01	8.93E-02	4.19E-01	3.94E-01	7.50E+00
2159	495561.06	3859701.99	0.63126	0.23394	0.42526	0.64915	1.58775	0.64156	0.23728	0.23394	6.47E+00	1.05E-01	1.08E-05	3.36E-02	7.32E-01	8.87E-02	4.10E-01	3.88E-01	7.45E+00
2160	495611.06	3859701.99	0.6289	0.23207	0.42184	0.63972	1.62143	0.62842	0.2379	0.23207	6.45E+00	1.04E-01	1.07E-05	3.31E-02	7.47E-01	8.69E-02	4.11E-01	3.85E-01	7.45E+00
2161	495661.06	3859701.99	0.62682	0.22992	0.41773	0.62143	1.65069	0.61086	0.23275	0.22992	6.43E+00	1.03E-01	1.06E-05	3.22E-02	7.61E-01	8.45E-02	4.02E-01	3.81E-01	7.43E+00
2162	494311.06	3859751.99	0.69209	0.27163	0.64316	0.88157	2.00061	0.8096	0.27484	0.27163	7.10E+00	1.22E-01	1.63E-05	4.56E-02	9.22E-01	1.12E-01	4.75E-01	4.50E-01	8.32E+00

2163	494361.06	3859751.99	0.69002	0.26991	0.62779	0.87705	1.93744	0.84737	0.27321	0.26991	7.08E+00	1.21E-01	1.59E-05	4.54E-02	8.93E-01	1.17E-01	4.72E-01	4.47E-01	8.28E+00
2164	494411.06	3859751.99	0.6889	0.26783	0.60474	0.87021	1.87017	0.88458	0.27155	0.26783	7.06E+00	1.21E-01	1.53E-05	4.50E-02	8.62E-01	1.22E-01	4.69E-01	4.44E-01	8.24E+00
2165	494461.06	3859751.99	0.68249	0.26768	0.62215	0.87001	1.81683	0.92505	0.27018	0.26768	7.00E+00	1.20E-01	1.58E-05	4.50E-02	8.37E-01	1.28E-01	4.66E-01	4.44E-01	8.15E+00
2166	494511.06	3859751.99	0.67771	0.26688	0.62617	0.86624	1.85841	0.96377	0.26859	0.26688	6.95E+00	1.20E-01	1.59E-05	4.48E-02	8.56E-01	1.33E-01	4.64E-01	4.42E-01	8.13E+00
2167	494561.06	3859751.99	0.67533	0.26525	0.6118	0.85902	1.89988	1.01238	0.26714	0.26525	6.92E+00	1.19E-01	1.55E-05	4.45E-02	8.76E-01	1.40E-01	4.61E-01	4.40E-01	8.13E+00
2168	494611.06	3859751.99	0.67419	0.26318	0.58834	0.84968	1.93992	1.07335	0.26578	0.26318	6.91E+00	1.18E-01	1.49E-05	4.40E-02	8.94E-01	1.48E-01	4.59E-01	4.36E-01	8.14E+00
2169	494661.06	3859751.99	0.67531	0.26	0.53844	0.8361	1.97764	1.15762	0.26437	0.26	6.92E+00	1.17E-01	1.37E-05	4.33E-02	9.11E-01	1.60E-01	4.56E-01	4.31E-01	8.18E+00
2170	494711.06	3859751.99	0.67089	0.25939	0.54797	0.83029	2.00483	1.22473	0.26314	0.25939	6.88E+00	1.17E-01	1.39E-05	4.30E-02	9.24E-01	1.69E-01	4.54E-01	4.30E-01	8.16E+00
2171	494761.06	3859751.99	0.66738	0.25811	0.54128	0.82188	2.02674	1.35436	0.26186	0.25811	6.84E+00	1.16E-01	1.37E-05	4.25E-02	9.34E-01	1.87E-01	4.52E-01	4.28E-01	8.15E+00
2172	494811.06	3859751.99	0.66572	0.25622	0.52097	0.81077	2.0466	2.1839	0.26052	0.25622	6.83E+00	1.15E-01	1.32E-05	4.20E-02	9.43E-01	3.02E-01	4.50E-01	4.25E-01	8.25E+00
2173	494861.06	3859751.99	0.66271	0.25476	0.51052	0.80102	2.05882	2.8282	0.25928	0.25476	6.80E+00	1.15E-01	1.30E-05	4.15E-02	9.49E-01	3.91E-01	4.48E-01	4.22E-01	8.32E+00
2174	494911.06	3859751.99	0.6598	0.25328	0.49908	0.79094	2.06573	1.70394	0.25809	0.25328	6.77E+00	1.14E-01	1.27E-05	4.09E-02	9.52E-01	2.36E-01	4.46E-01	4.20E-01	8.13E+00
2175	494961.06	3859751.99	0.65688	0.2518	0.48778	0.78068	2.06698	1.2394	0.25692	0.2518	6.74E+00	1.13E-01	1.24E-05	4.04E-02	9.53E-01	1.71E-01	4.44E-01	4.17E-01	8.04E+00
2176	495011.06	3859751.99	0.65428	0.25013	0.47394	0.76999	2.06304	1.09746	0.25578	0.25013	6.71E+00	1.13E-01	1.20E-05	3.99E-02	9.51E-01	1.52E-01	4.42E-01	4.14E-01	7.99E+00
2177	495061.06	3859751.99	0.65051	0.24888	0.46868	0.7604	2.05234	1.04446	0.25473	0.24888	6.67E+00	1.12E-01	1.19E-05	3.94E-02	9.46E-01	1.44E-01	4.40E-01	4.12E-01	7.94E+00
2178	495111.06	3859751.99	0.64786	0.24726	0.45539	0.74984	2.03725	0.97868	0.25361	0.24726	6.64E+00	1.11E-01	1.16E-05	3.88E-02	9.39E-01	1.35E-01	4.38E-01	4.10E-01	7.90E+00
2179	495161.06	3859751.99	0.64563	0.24467	0.43931	0.73901	2.01672	0.89675	0.25195	0.24467	6.62E+00	1.10E-01	1.11E-05	3.83E-02	9.29E-01	1.24E-01	4.35E-01	4.05E-01	7.85E+00
2180	495211.06	3859751.99	0.64362	0.24285	0.42211	0.72823	1.99048	0.80313	0.2504	0.24285	6.60E+00	1.09E-01	1.07E-05	3.77E-02	9.17E-01	1.11E-01	4.32E-01	4.02E-01	7.80E+00
2181	495261.06	3859751.99	0.64005	0.24152	0.4215	0.71907	1.95904	0.77794	0.24944	0.24152	6.56E+00	1.09E-01	1.07E-05	3.72E-02	9.03E-01	1.08E-01	4.31E-01	4.00E-01	7.75E+00
2182	495311.06	3859751.99	0.6376	0.23894	0.42051	0.70925	1.92236	0.75976	0.24797	0.23894	6.54E+00	1.08E-01	1.07E-05	3.67E-02	8.86E-01	1.05E-01	4.28E-01	3.96E-01	7.71E+00
2183	495361.06	3859751.99	0.6348	0.2369	0.41961	0.69972	1.88106	0.74111	0.24621	0.2369	6.51E+00	1.07E-01	1.06E-05	3.62E-02	8.67E-01	1.02E-01	4.25E-01	3.93E-01	7.65E+00
2184	495411.06	3859751.99	0.63195	0.2338	0.41846	0.69069	1.83544	0.7263	0.24403	0.2338	6.48E+00	1.05E-01	1.06E-05	3.58E-02	8.46E-01	1.00E-01	4.21E-01	3.87E-01	7.60E+00
2185	495461.06	3859751.99	0.63081	0.23056	0.41482	0.67844	1.78271	0.70163	0.23822	0.23056	6.47E+00	1.04E-01	1.05E-05	3.51E-02	8.22E-01	9.70E-02	4.11E-01	3.82E-01	7.56E+00
2186	495511.06	3859751.99	0.62977	0.23184	0.41074	0.66695	1.7243	0.67786	0.23686	0.23184	6.46E+00	1.04E-01	1.04E-05	3.45E-02	7.95E-01	9.37E-02	4.09E-01	3.84E-01	7.51E+00
2187	495561.06	3859751.99	0.62712	0.23154	0.40853	0.6562	1.66602	0.66274	0.23597	0.23154	6.43E+00	1.04E-01	1.04E-05	3.40E-02	7.68E-01	9.16E-02	4.07E-01	3.84E-01	7.45E+00
2188	495611.06	3859751.99	0.62446	0.23062	0.40614	0.64666	1.60494	0.65046	0.23447	0.23062	6.40E+00	1.04E-01	1.03E-05	3.35E-02	7.40E-01	8.99E-02	4.05E-01	3.82E-01	7.39E+00
2189	495661.06	3859751.99	0.62086	0.22854	0.40477	0.6404	1.54436	0.64073	0.23208	0.22854	6.37E+00	1.03E-01	1.03E-05	3.32E-02	7.12E-01	8.86E-02	4.01E-01	3.79E-01	7.32E+00
2190	494311.06	3859801.99	0.68792	0.27026	0.67388	0.872	2.06405	0.82553	0.27149	0.27026	7.05E+00	1.22E-01	1.71E-05	4.51E-02	9.51E-01	1.14E-01	4.69E-01	4.48E-01	8.31E+00
2191	494361.06	3859801.99	0.68751	0.26788	0.65098	0.86662	2.0312	0.8564	0.26977	0.26788	7.05E+00	1.21E-01	1.65E-05	4.49E-02	9.36E-01	1.18E-01	4.66E-01	4.44E-01	8.29E+00
2192	494411.06	3859801.99	0.68743	0.26543	0.62449	0.85976	1.98943	0.88621	0.26804	0.26543	7.05E+00	1.19E-01	1.58E-05	4.45E-02	9.17E-01	1.23E-01	4.63E-01	4.40E-01	8.28E+00
2193	494461.06	3859801.99	0.68146	0.26514	0.63965	0.85986	1.9182	0.91657	0.26665	0.26514	6.99E+00	1.19E-01	1.62E-05	4.45E-02	8.84E-01	1.27E-01	4.60E-01	4.39E-01	8.18E+00
2194	494511.06	3859801.99	0.67494	0.26495	0.65648	0.85869	1.84135	0.9432	0.26492	0.26495	6.92E+00	1.19E-01	1.67E-05	4.45E-02	8.49E-01	1.30E-01	4.57E-01	4.39E-01	8.08E+00
2195	494561.06	3859801.99	0.67236	0.26339	0.64674	0.85283	1.77819	0.98353	0.26335	0.26339	6.89E+00	1.19E-01	1.64E-05	4.41E-02	8.19E-01	1.36E-01	4.55E-01	4.36E-01	8.03E+00
2196	494611.06	3859801.99	0.67347	0.26058	0.61127	0.84275	1.78416	1.04029	0.26209	0.26058	6.91E+00	1.17E-01	1.55E-05	4.36E-02	8.22E-01	1.44E-01	4.53E-01	4.32E-01	8.05E+00
2197	494661.06	3859801.99	0.67141	0.25886	0.59674	0.83513	1.82839	1.09638	0.26069	0.25886	6.88E+00	1.16E-01	1.51E-05	4.32E-02	8.43E-01	1.52E-01	4.50E-01	4.29E-01	8.06E+00
2198	494711.06	3859801.99	0.67031	0.25679	0.57463	0.82553	1.87105	1.20967	0.25937	0.25679	6.87E+00	1.16E-01	1.46E-05	4.27E-02	8.62E-01	1.67E-01	4.48E-01	4.25E-01	8.08E+00
2199	494761.06	3859801.99	0.66392	0.25653	0.59026	0.8213	1.89865	1.35996	0.25787	0.25653	6.81E+00	1.15E-01	1.50E-05	4.25E-02	8.75E-01	1.88E-01	4.45E-01	4.25E-01	8.05E+00
2200	494811.06	3859801.99	0.66169	0.25484	0.57573	0.81194	1.93138	2.13075	0.25661	0.25484	6.78E+00	1.15E-01	1.46E-05	4.20E-02	8.90E-01	2.95E-01	4.43E-01	4.22E-01	8.15E+00
2201	494861.06	3859801.99	0.6582	0.25357	0.56984	0.80329	1.9561	2.90701	0.25537	0.25357	6.75E+00	1.14E-01	1.45E-05	4.16E-02	9.01E-01	4.02E-01	4.41E-01	4.20E-01	8.23E+00
2202	494911.06	3859801.99	0.65643	0.25175	0.55161	0.79246	1.98126	1.7421	0.2544	0.25175	6.73E+00	1.13E-01	1.40E-05	4.10E-02	9.13E-01	2.41E-01	4.39E-01	4.17E-01	8.06E+00
2203	494961.06	3859801.99	0.65338	0.25032	0.5421	0.78265	1.99806	1.22622	0.2532	0.25032	6.70E+00	1.13E-01	1.38E-05	4.05E-02	9.21E-01	1.70E-01	4.37E-01	4.15E-01	7.97E+00
2204	495011.06	3859801.99	0.65059	0.24883	0.53067	0.77221	2.01049	1.07166	0.25206	0.24883	6.67E+00	1.12E-01	1.35E-05	4.00E-02	9.27E-01	1.48E-01	4.35E-01	4.12E-01	7.92E+00
2205	495061.06	3859801.99	0.64706	0.24756	0.5241	0.76216	2.0158	0.99575	0.25097	0.24756	6.63E+00	1.11E-01	1.33E-05	3.95E-02	9.29E-01	1.38E-01	4.33E-01	4.10E-01	7.88E+00
2206	495111.06	3859801.99	0.64491	0.24585	0.50796	0.75071	2.01954	0.91066	0.24984	0.24585	6.61E+00	1.11E-01	1.29E-05	3.89E-02	9.31E-01	1.26E-01	4.31E-01	4.07E-01	7.84E+00
2207	495161.06	3859801.99	0.6425	0.24418	0.49332	0.73958	2.01685	0.84809	0.2488	0.24418	6.59E+00	1.10E-01	1.25E-05	3.83E-02	9.29E-01	1.17E-01	4.30E-01	4.05E-01	7.81E+00
2208	495211.06	3859801.99	0.63897	0.24289	0.48649	0.72946	2.00654	0.82203	0.24781	0.24289	6.55E+00	1.09E-01	1.23E-05	3.78E-02	9.25E-01	1.14E-01	4.28E-01	4.02E-01	7.76E+00
2209	495261.06	3859801.99	0.63673	0.24099	0.47062	0.71835	1.99323	0.79845	0.24676	0.24099	6.53E+00	1.08E-01	1.19E-05	3.72E-02	9.19E-01	1.10E-01	4.26E-01	3.99E-01	7.73E+00
2210	495311.06	3859801.99	0.63294	0.23964	0.46528	0.70866	1.97235	0.77935	0.24584	0.23964	6.49E+00	1.08E-01	1.18E-05	3.67E-02	9.09E-01	1.08E-01	4.24E-01	3.97E-01	7.68E+00
2211	495361.06	3859801.99	0.63032	0.2379	0.45214	0.69828	1.94789	0.76262	0.24417	0.2379	6.46E+00	1.07E-01	1.15E-05	3.61E-02	8.98E-01	1.05E-01	4.22E-01	3.94E-01	7.64E+00
2212	495411.06	3859801.99	0.62837	0.23481	0.43456	0.68759	1.91852	0.74455	0.24273	0.23481	6.44E+00	1.06E-01	1.10E-05	3.56E-02	8.84E-01	1.03E-01	4.19E-01	3.89E-01	7.60E+00
2213	495461.06	3859801.99	0.62553	0.23325	0.42307	0.67789	1.88354	0.72983	0.24118	0.23325	6.41E+00	1.05E-01	1.07E-05	3.51E-02	8.68E-01	1.01E-01	4.16E-01	3.86E-01	7.55E+00
2214	495511.06	3859801.99	0.62448	0.23012	0.40034	0.66619	1.84288	0.71377	0.23804	0.23012	6.40E+00	1.04E-01	1.02E-05	3.45E-02	8.49E-01	9.87E-02	4.11E-01	3.81E-01	7.52E+00
2215	495561.06	3859801.99	0.62111	0.22619	0.39266	0.65756	1.79886	0.70238	0.23565	0.22619	6.37E+00	1.02E-01	9.96E-06	3.40E-02	8.29E-01	9.71E-02	4.07E-01	3.75E-01	7.46E+00
2216	495611.06	3859801.99	0.6163	0.22615	0.39416	0.65045	1.7528	0.69352	0.23633	0.22615	6.32E+00	1.02E-01	1.00E-05	3.37E-02	8.08E-01	9.59E-02	4.08E-01	3.75E-01	7.39E+00
2217	495661.06	3859801.99	0.61479	0.2248	0.39047	0.63871	1.69941	0.67564	0.22987	0.2248	6.30E+00	1.01E-01	9.91E-06	3.31E-02	7.83E-01	9.34E-02	3.97E-01	3.72E-01	7.34E+00
2218	494311.06	3859851.99	0.68456	0.26739	0.64545	0.84152	2.0743	0.83059	0.26715	0.26739	7.02E+00	1.20E-01	1.64E-05	4.36E-02	9.56E-01	1.15E-01	4.61E-01	4.43E-01	8.27E+00
2219	494361.06	3859851.99	0.68308	0.26543	0.63528	0.83878	2.05876	0.85416	0.26566	0.26543	7.00E+00	1.19E-01	1.61E-05	4.34E-02	9.49E-01	1.18E-01	4.59E-01	4.40E-01	8.25E+00

2220	494411.06	3859851.99	0.68218	0.26327	0.62051	0.83498	2.03986	0.87402	0.26414	0.26327	7.00E+00	1.18E-01	1.57E-05	4.32E-02	9.40E-01	1.21E-01	4.56E-01	4.36E-01	8.24E+00
2221	494461.06	3859851.99	0.67989	0.26163	0.6134	0.83174	2.00256	0.89598	0.26265	0.26163	6.97E+00	1.18E-01	1.56E-05	4.31E-02	9.23E-01	1.24E-01	4.53E-01	4.34E-01	8.20E+00
2222	494511.06	3859851.99	0.67483	0.261	0.62268	0.83042	1.94226	0.92013	0.26105	0.261	6.92E+00	1.17E-01	1.58E-05	4.30E-02	8.95E-01	1.27E-01	4.51E-01	4.32E-01	8.12E+00
2223	494561.06	3859851.99	0.66905	0.26058	0.63505	0.82836	1.87314	0.93875	0.25935	0.26058	6.86E+00	1.17E-01	1.61E-05	4.29E-02	8.63E-01	1.30E-01	4.48E-01	4.32E-01	8.03E+00
2224	494611.06	3859851.99	0.67056	0.25764	0.60382	0.82034	1.84336	0.98949	0.2581	0.25764	6.88E+00	1.16E-01	1.53E-05	4.25E-02	8.49E-01	1.37E-01	4.46E-01	4.27E-01	8.04E+00
2225	494661.06	3859851.99	0.66602	0.25679	0.60838	0.81646	1.77593	1.09652	0.25654	0.25679	6.83E+00	1.16E-01	1.54E-05	4.23E-02	8.18E-01	1.52E-01	4.43E-01	4.25E-01	7.97E+00
2226	494711.06	3859851.99	0.66553	0.25457	0.58716	0.80842	1.71966	1.22139	0.25523	0.25457	6.82E+00	1.15E-01	1.49E-05	4.18E-02	7.92E-01	1.69E-01	4.41E-01	4.22E-01	7.96E+00
2227	494761.06	3859851.99	0.65963	0.25414	0.59945	0.80423	1.74384	1.35714	0.25351	0.25414	6.76E+00	1.14E-01	1.52E-05	4.16E-02	8.04E-01	1.88E-01	4.38E-01	4.21E-01	7.93E+00
2228	494811.06	3859851.99	0.65705	0.25261	0.59044	0.79679	1.78493	2.09296	0.25232	0.25261	6.74E+00	1.14E-01	1.50E-05	4.12E-02	8.23E-01	2.89E-01	4.36E-01	4.19E-01	8.02E+00
2229	494861.06	3859851.99	0.65301	0.25155	0.59004	0.78972	1.81767	2.99865	0.25072	0.25155	6.70E+00	1.13E-01	1.50E-05	4.09E-02	8.38E-01	4.15E-01	4.33E-01	4.17E-01	8.12E+00
2230	494911.06	3859851.99	0.65101	0.24985	0.5766	0.7807	1.85426	1.81166	0.24967	0.24985	6.68E+00	1.12E-01	1.46E-05	4.04E-02	8.55E-01	2.50E-01	4.31E-01	4.14E-01	7.95E+00
2231	494961.06	3859851.99	0.64795	0.24846	0.56933	0.77177	1.88308	1.19407	0.24851	0.24846	6.64E+00	1.12E-01	1.44E-05	4.00E-02	8.68E-01	1.65E-01	4.29E-01	4.12E-01	7.85E+00
2232	495011.06	3859851.99	0.64496	0.24706	0.56126	0.76252	1.90823	1.06768	0.24744	0.24706	6.61E+00	1.11E-01	1.42E-05	3.95E-02	8.79E-01	1.48E-01	4.27E-01	4.09E-01	7.81E+00
2233	495061.06	3859851.99	0.64132	0.24586	0.55699	0.75331	1.92626	0.97001	0.24626	0.24586	6.58E+00	1.11E-01	1.41E-05	3.90E-02	8.88E-01	1.34E-01	4.25E-01	4.07E-01	7.77E+00
2234	495111.06	3859851.99	0.63936	0.24412	0.54158	0.74262	1.94707	0.89492	0.24536	0.24412	6.56E+00	1.10E-01	1.37E-05	3.84E-02	8.97E-01	1.24E-01	4.24E-01	4.04E-01	7.74E+00
2235	495161.06	3859851.99	0.63658	0.24266	0.53116	0.73207	1.95976	0.86515	0.24472	0.24266	6.53E+00	1.09E-01	1.35E-05	3.79E-02	9.03E-01	1.20E-01	4.23E-01	4.02E-01	7.72E+00
2236	495211.06	3859851.99	0.63353	0.24127	0.52223	0.7217	1.96663	0.84077	0.24376	0.24127	6.50E+00	1.09E-01	1.32E-05	3.74E-02	9.06E-01	1.16E-01	4.21E-01	4.00E-01	7.69E+00
2237	495261.06	3859851.99	0.63075	0.23981	0.51132	0.71112	1.96955	0.8208	0.24279	0.23981	6.47E+00	1.08E-01	1.30E-05	3.68E-02	9.08E-01	1.13E-01	4.19E-01	3.97E-01	7.66E+00
2238	495311.06	3859851.99	0.62717	0.23859	0.50544	0.70092	1.96482	0.80257	0.24186	0.23859	6.43E+00	1.07E-01	1.28E-05	3.63E-02	9.05E-01	1.11E-01	4.18E-01	3.95E-01	7.61E+00
2239	495361.06	3859851.99	0.62399	0.23725	0.49674	0.69054	1.95648	0.78731	0.241	0.23725	6.40E+00	1.07E-01	1.26E-05	3.57E-02	9.02E-01	1.09E-01	4.16E-01	3.93E-01	7.57E+00
2240	495411.06	3859851.99	0.62173	0.23554	0.48208	0.67962	1.94552	0.76912	0.24006	0.23554	6.38E+00	1.06E-01	1.22E-05	3.52E-02	8.97E-01	1.06E-01	4.14E-01	3.90E-01	7.54E+00
2241	495461.06	3859851.99	0.61932	0.23381	0.4679	0.66903	1.92867	0.74971	0.23912	0.23381	6.35E+00	1.05E-01	1.19E-05	3.46E-02	8.89E-01	1.04E-01	4.13E-01	3.87E-01	7.51E+00
2242	495511.06	3859851.99	0.61747	0.23093	0.45009	0.65821	1.90685	0.73424	0.23784	0.23093	6.33E+00	1.04E-01	1.14E-05	3.41E-02	8.79E-01	1.02E-01	4.11E-01	3.83E-01	7.48E+00
2243	495561.06	3859851.99	0.61347	0.2296	0.44657	0.6493	1.87716	0.72336	0.237	0.2296	6.29E+00	1.03E-01	1.13E-05	3.36E-02	8.65E-01	1.00E-01	4.09E-01	3.80E-01	7.42E+00
2244	495611.06	3859851.99	0.60972	0.22839	0.44121	0.64046	1.84356	0.7134	0.23547	0.22839	6.25E+00	1.03E-01	1.12E-05	3.32E-02	8.50E-01	9.86E-02	4.07E-01	3.78E-01	7.36E+00
2245	495661.06	3859851.99	0.6078	0.22471	0.42414	0.63057	1.80678	0.70044	0.23347	0.22471	6.23E+00	1.01E-01	1.08E-05	3.26E-02	8.33E-01	9.68E-02	4.03E-01	3.72E-01	7.33E+00
2246	494311.06	3859901.99	0.67994	0.26431	0.58037	0.7943	2.03697	0.82321	0.26297	0.26431	6.97E+00	1.19E-01	1.47E-05	4.11E-02	9.39E-01	1.14E-01	4.54E-01	4.38E-01	8.20E+00
2247	494361.06	3859901.99	0.68059	0.26145	0.5643	0.79102	2.06238	0.83532	0.26123	0.26145	6.98E+00	1.18E-01	1.43E-05	4.09E-02	9.50E-01	1.15E-01	4.51E-01	4.33E-01	8.22E+00
2248	494411.06	3859901.99	0.67647	0.26047	0.57138	0.7913	2.03309	0.84392	0.25982	0.26047	6.94E+00	1.17E-01	1.45E-05	4.10E-02	9.37E-01	1.17E-01	4.49E-01	4.32E-01	8.17E+00
2249	494461.06	3859901.99	0.67398	0.25892	0.56944	0.78972	2.01484	0.85998	0.2583	0.25892	6.91E+00	1.17E-01	1.44E-05	4.09E-02	9.29E-01	1.19E-01	4.46E-01	4.29E-01	8.13E+00
2250	494511.06	3859901.99	0.67011	0.25785	0.57402	0.78857	1.97725	0.87537	0.25682	0.25785	6.87E+00	1.16E-01	1.46E-05	4.08E-02	9.11E-01	1.21E-01	4.43E-01	4.27E-01	8.08E+00
2251	494561.06	3859901.99	0.66317	0.25785	0.59277	0.78806	1.90627	0.91559	0.2553	0.25785	6.80E+00	1.16E-01	1.50E-05	4.08E-02	8.78E-01	1.27E-01	4.41E-01	4.27E-01	7.98E+00
2252	494611.06	3859901.99	0.66501	0.25483	0.56767	0.78279	1.9119	0.9963	0.25403	0.25483	6.82E+00	1.15E-01	1.44E-05	4.05E-02	8.81E-01	1.38E-01	4.39E-01	4.22E-01	8.01E+00
2253	494661.06	3859901.99	0.65878	0.25454	0.58265	0.78094	1.84174	1.09971	0.25236	0.25454	6.76E+00	1.15E-01	1.48E-05	4.04E-02	8.49E-01	1.52E-01	4.36E-01	4.22E-01	7.92E+00
2254	494711.06	3859901.99	0.66027	0.25169	0.55668	0.77454	1.82558	1.20755	0.25128	0.25169	6.77E+00	1.13E-01	1.41E-05	4.01E-02	8.41E-01	1.67E-01	4.34E-01	4.17E-01	7.95E+00
2255	494761.06	3859901.99	0.65517	0.25105	0.56531	0.77115	1.75997	1.33507	0.2498	0.25105	6.72E+00	1.13E-01	1.43E-05	3.99E-02	8.11E-01	1.85E-01	4.31E-01	4.16E-01	7.88E+00
2256	494811.06	3859901.99	0.64998	0.25042	0.57367	0.76674	1.69109	2.11353	0.24821	0.25042	6.66E+00	1.13E-01	1.46E-05	3.97E-02	7.79E-01	2.92E-01	4.29E-01	4.15E-01	7.90E+00
2257	494861.06	3859901.99	0.64611	0.24933	0.57453	0.76113	1.65604	2.57827	0.24674	0.24933	6.63E+00	1.12E-01	1.46E-05	3.94E-02	7.63E-01	3.56E-01	4.26E-01	4.13E-01	7.91E+00
2258	494911.06	3859901.99	0.64413	0.24766	0.56502	0.75449	1.70088	1.78859	0.24561	0.24766	6.60E+00	1.11E-01	1.43E-05	3.91E-02	7.84E-01	2.47E-01	4.24E-01	4.10E-01	7.80E+00
2259	494961.06	3859901.99	0.64048	0.2465	0.56387	0.74772	1.73583	1.2148	0.24422	0.2465	6.57E+00	1.11E-01	1.43E-05	3.87E-02	8.00E-01	1.68E-01	4.22E-01	4.08E-01	7.70E+00
2260	495011.06	3859901.99	0.63801	0.24497	0.55585	0.73995	1.77305	1.09136	0.24299	0.24497	6.54E+00	1.10E-01	1.41E-05	3.83E-02	8.17E-01	1.51E-01	4.20E-01	4.06E-01	7.67E+00
2261	495061.06	3859901.99	0.635	0.24361	0.55024	0.73182	1.80484	0.99227	0.24173	0.24361	6.51E+00	1.10E-01	1.40E-05	3.79E-02	8.32E-01	1.37E-01	4.17E-01	4.04E-01	7.64E+00
2262	495111.06	3859901.99	0.63302	0.24194	0.53843	0.72284	1.83791	0.91094	0.24087	0.24194	6.49E+00	1.09E-01	1.37E-05	3.74E-02	8.47E-01	1.26E-01	4.16E-01	4.01E-01	7.63E+00
2263	495161.06	3859901.99	0.63068	0.24039	0.52799	0.71333	1.86564	0.87723	0.23999	0.24039	6.47E+00	1.08E-01	1.34E-05	3.69E-02	8.60E-01	1.21E-01	4.14E-01	3.98E-01	7.61E+00
2264	495211.06	3859901.99	0.62658	0.23937	0.52761	0.70465	1.88072	0.85006	0.23884	0.23937	6.42E+00	1.08E-01	1.34E-05	3.65E-02	8.67E-01	1.18E-01	4.12E-01	3.97E-01	7.57E+00
2265	495261.06	3859901.99	0.62491	0.23761	0.51231	0.69443	1.90346	0.83093	0.23825	0.23761	6.41E+00	1.07E-01	1.30E-05	3.59E-02	8.77E-01	1.15E-01	4.11E-01	3.94E-01	7.56E+00
2266	495311.06	3859901.99	0.62075	0.2366	0.51175	0.68533	1.91002	0.81131	0.23721	0.2366	6.37E+00	1.06E-01	1.30E-05	3.55E-02	8.80E-01	1.12E-01	4.10E-01	3.92E-01	7.52E+00
2267	495361.06	3859901.99	0.61788	0.2352	0.50302	0.67526	1.9181	0.79579	0.23657	0.2352	6.34E+00	1.06E-01	1.28E-05	3.50E-02	8.84E-01	1.10E-01	4.08E-01	3.90E-01	7.49E+00
2268	495411.06	3859901.99	0.61561	0.23364	0.49033	0.66462	1.92406	0.78262	0.23612	0.23364	6.31E+00	1.05E-01	1.24E-05	3.44E-02	8.87E-01	1.08E-01	4.08E-01	3.87E-01	7.47E+00
2269	495461.06	3859901.99	0.61284	0.23222	0.48047	0.65452	1.92283	0.7704	0.23529	0.23222	6.28E+00	1.05E-01	1.22E-05	3.39E-02	8.86E-01	1.07E-01	4.06E-01	3.85E-01	7.44E+00
2270	495511.06	3859901.99	0.60892	0.23115	0.47738	0.64499	1.91255	0.75853	0.23449	0.23115	6.24E+00	1.04E-01	1.21E-05	3.34E-02	8.81E-01	1.05E-01	4.05E-01	3.83E-01	7.39E+00
2271	495561.06	3859901.99	0.60506	0.23006	0.47388	0.63563	1.89775	0.74787	0.23375	0.23006	6.20E+00	1.04E-01	1.20E-05	3.29E-02	8.75E-01	1.03E-01	4.04E-01	3.81E-01	7.34E+00
2272	495611.06	3859901.99	0.60258	0.22851	0.46169	0.62566	1.88304	0.73696	0.23295	0.22851	6.18E+00	1.03E-01	1.17E-05	3.24E-02	8.68E-01	1.02E-01	4.02E-01	3.79E-01	7.31E+00
2273	495661.06	3859901.99	0.60036	0.22637	0.44742	0.61565	1.86338	0.71738	0.23194	0.22637	6.16E+00	1.02E-01	1.14E-05	3.19E-02	8.59E-01	9.92E-02	4.00E-01	3.75E-01	7.27E+00
2274	494311.06	3859951.99	0.67194	0.26224	0.5789	0.73561	1.78736	0.80214	0.2587	0.26224	6.89E+00	1.18E-01	1.47E-05	3.81E-02	8.24E-01	1.11E-01	4.47E-01	4.35E-01	7.99E+00
2275	494361.06	3859951.99	0.67062	0.26002	0.56657	0.73508	1.78292	0.80278	0.25743	0.26002	6.88E+00	1.17E-01	1.44E-05	3.81E-02	8.22E-01	1.11E-01	4.44E-01	4.31E-01	7.98E+00
2276	494411.06	3859951.99	0.66878	0.25807	0.55459	0.73481	1.77421	0.79991	0.25604	0.25807	6.86E+00	1.16E-01	1.41E-05	3.80E-02	8.18E-01	1.11E-01	4.42E-01	4.28E-01	7.95E+00

2277	494461.06	3859951.99	0.66616	0.25648	0.54332	0.73468	1.97682	0.81081	0.25464	0.25648	6.83E+00	1.15E-01	1.38E-05	3.80E-02	9.11E-01	1.12E-01	4.40E-01	4.25E-01	8.02E+00
2278	494511.06	3859951.99	0.66214	0.25545	0.53356	0.73503	1.95238	0.84572	0.25318	0.25545	6.79E+00	1.15E-01	1.35E-05	3.81E-02	9.00E-01	1.17E-01	4.37E-01	4.23E-01	7.97E+00
2279	494561.06	3859951.99	0.65424	0.25583	0.52772	0.7357	1.72709	0.92729	0.25082	0.25583	6.71E+00	1.15E-01	1.34E-05	3.81E-02	7.96E-01	1.28E-01	4.33E-01	4.24E-01	7.80E+00
2280	494611.06	3859951.99	0.65522	0.25301	0.51405	0.73344	1.90316	0.99326	0.25036	0.25301	6.72E+00	1.14E-01	1.30E-05	3.80E-02	8.77E-01	1.37E-01	4.32E-01	4.19E-01	7.90E+00
2281	494661.06	3859951.99	0.64938	0.25265	0.52724	0.73235	1.67632	1.07883	0.24857	0.25265	6.66E+00	1.14E-01	1.34E-05	3.79E-02	7.73E-01	1.49E-01	4.29E-01	4.19E-01	7.74E+00
2282	494711.06	3859951.99	0.64973	0.25012	0.51432	0.72949	1.84992	1.1648	0.24745	0.25012	6.66E+00	1.13E-01	1.30E-05	3.78E-02	8.53E-01	1.61E-01	4.27E-01	4.14E-01	7.84E+00
2283	494761.06	3859951.99	0.64563	0.24916	0.5195	0.72705	1.8039	1.26643	0.24612	0.24916	6.62E+00	1.12E-01	1.32E-05	3.76E-02	8.31E-01	1.75E-01	4.25E-01	4.13E-01	7.79E+00
2284	494811.06	3859951.99	0.64206	0.24802	0.52195	0.72384	1.75874	2.16174	0.24472	0.24802	6.58E+00	1.12E-01	1.32E-05	3.75E-02	8.10E-01	2.99E-01	4.23E-01	4.11E-01	7.85E+00
2285	494861.06	3859951.99	0.63718	0.24728	0.52954	0.72014	1.70039	2.61754	0.24338	0.24728	6.53E+00	1.11E-01	1.34E-05	3.73E-02	7.84E-01	3.62E-01	4.20E-01	4.10E-01	7.84E+00
2286	494911.06	3859951.99	0.6353	0.2456	0.52374	0.71589	1.66286	1.64101	0.24198	0.2456	6.51E+00	1.11E-01	1.33E-05	3.71E-02	7.66E-01	2.27E-01	4.18E-01	4.07E-01	7.67E+00
2287	494961.06	3859951.99	0.63298	0.24407	0.51909	0.71106	1.61655	1.25042	0.24076	0.24407	6.49E+00	1.10E-01	1.32E-05	3.68E-02	7.45E-01	1.73E-01	4.16E-01	4.04E-01	7.57E+00
2288	495011.06	3859951.99	0.63023	0.24269	0.5158	0.70576	1.622	1.12028	0.23953	0.24269	6.46E+00	1.09E-01	1.31E-05	3.65E-02	7.47E-01	1.55E-01	4.14E-01	4.02E-01	7.52E+00
2289	495061.06	3859951.99	0.62679	0.24152	0.51529	0.69994	1.65857	1.0196	0.23826	0.24152	6.43E+00	1.09E-01	1.31E-05	3.62E-02	7.64E-01	1.41E-01	4.11E-01	4.00E-01	7.49E+00
2290	495111.06	3859951.99	0.62469	0.23994	0.50776	0.69354	1.70062	0.93509	0.23726	0.23994	6.41E+00	1.08E-01	1.29E-05	3.59E-02	7.84E-01	1.29E-01	4.10E-01	3.98E-01	7.47E+00
2291	495161.06	3859951.99	0.62242	0.23842	0.50051	0.68643	1.7386	0.88614	0.23618	0.23842	6.38E+00	1.07E-01	1.27E-05	3.55E-02	8.01E-01	1.23E-01	4.08E-01	3.95E-01	7.46E+00
2292	495211.06	3859951.99	0.61999	0.23692	0.49323	0.67861	1.77284	0.86135	0.23504	0.23692	6.36E+00	1.07E-01	1.25E-05	3.51E-02	8.17E-01	1.19E-01	4.06E-01	3.93E-01	7.45E+00
2293	495261.06	3859951.99	0.61684	0.23567	0.48944	0.6708	1.79984	0.83947	0.23404	0.23567	6.33E+00	1.06E-01	1.24E-05	3.47E-02	8.29E-01	1.16E-01	4.04E-01	3.90E-01	7.42E+00
2294	495311.06	3859951.99	0.61232	0.2348	0.49256	0.66316	1.81542	0.81897	0.23273	0.2348	6.28E+00	1.06E-01	1.25E-05	3.43E-02	8.37E-01	1.13E-01	4.02E-01	3.89E-01	7.38E+00
2295	495361.06	3859951.99	0.6088	0.23366	0.49013	0.6548	1.83285	0.80231	0.23208	0.23366	6.24E+00	1.05E-01	1.24E-05	3.39E-02	8.45E-01	1.11E-01	4.01E-01	3.87E-01	7.35E+00
2296	495411.06	3859951.99	0.60631	0.2322	0.48152	0.64552	1.85238	0.78862	0.23136	0.2322	6.22E+00	1.05E-01	1.22E-05	3.34E-02	8.54E-01	1.09E-01	3.99E-01	3.85E-01	7.33E+00
2297	495461.06	3859951.99	0.6034	0.23087	0.4749	0.63642	1.86528	0.77576	0.23085	0.23087	6.19E+00	1.04E-01	1.20E-05	3.29E-02	8.60E-01	1.07E-01	3.99E-01	3.83E-01	7.31E+00
2298	495511.06	3859951.99	0.60056	0.22951	0.46749	0.62717	1.87398	0.7643	0.23017	0.22951	6.16E+00	1.03E-01	1.19E-05	3.25E-02	8.64E-01	1.06E-01	3.97E-01	3.80E-01	7.28E+00
2299	495561.06	3859951.99	0.59564	0.22877	0.47166	0.61873	1.86747	0.75248	0.22916	0.22877	6.11E+00	1.03E-01	1.20E-05	3.20E-02	8.61E-01	1.04E-01	3.96E-01	3.79E-01	7.22E+00
2300	495611.06	3859951.99	0.59304	0.22735	0.46245	0.60916	1.86891	0.74324	0.22884	0.22735	6.08E+00	1.02E-01	1.17E-05	3.15E-02	8.61E-01	1.03E-01	3.95E-01	3.77E-01	7.20E+00
2301	495661.06	3859951.99	0.59105	0.22574	0.44912	0.59929	1.86831	0.73509	0.22862	0.22574	6.06E+00	1.02E-01	1.14E-05	3.10E-02	8.61E-01	1.02E-01	3.95E-01	3.74E-01	7.18E+00
2302	494311.06	3860001.99	0.66166	0.26901	0.59023	0.671	1.79987	0.76751	0.27165	0.26901	6.78E+00	1.21E-01	1.50E-05	3.47E-02	8.29E-01	1.06E-01	4.69E-01	4.46E-01	7.90E+00
2303	494361.06	3860001.99	0.65929	0.26198	0.58263	0.67212	1.77776	0.75704	0.26426	0.26198	6.76E+00	1.18E-01	1.48E-05	3.48E-02	8.19E-01	1.05E-01	4.56E-01	4.34E-01	7.86E+00
2304	494411.06	3860001.99	0.65886	0.25658	0.57307	0.67187	1.75132	0.75158	0.25236	0.25658	6.76E+00	1.15E-01	1.45E-05	3.48E-02	8.07E-01	1.04E-01	4.36E-01	4.25E-01	7.83E+00
2305	494461.06	3860001.99	0.65521	0.25528	0.56587	0.67353	1.74675	0.79957	0.25085	0.25528	6.72E+00	1.15E-01	1.44E-05	3.49E-02	8.05E-01	1.11E-01	4.33E-01	4.23E-01	7.79E+00
2306	494511.06	3860001.99	0.65332	0.25339	0.55686	0.67408	1.74041	0.85503	0.24978	0.25339	6.70E+00	1.14E-01	1.41E-05	3.49E-02	8.02E-01	1.18E-01	4.31E-01	4.20E-01	7.78E+00
2307	494561.06	3860001.99	0.64356	0.25424	0.55347	0.67627	1.73163	0.91812	0.25029	0.25424	6.60E+00	1.14E-01	1.40E-05	3.50E-02	7.98E-01	1.27E-01	4.32E-01	4.21E-01	7.68E+00
2308	494611.06	3860001.99	0.64214	0.25229	0.54403	0.67646	1.7176	0.97325	0.2456	0.25229	6.58E+00	1.14E-01	1.38E-05	3.50E-02	7.92E-01	1.35E-01	4.24E-01	4.18E-01	7.67E+00
2309	494661.06	3860001.99	0.63849	0.25109	0.53578	0.67625	1.70022	1.03681	0.24409	0.25109	6.55E+00	1.13E-01	1.36E-05	3.50E-02	7.84E-01	1.43E-01	4.21E-01	4.16E-01	7.63E+00
2310	494711.06	3860001.99	0.64133	0.24774	0.52236	0.67549	1.67783	1.11426	0.24462	0.24774	6.58E+00	1.11E-01	1.33E-05	3.50E-02	7.73E-01	1.54E-01	4.22E-01	4.10E-01	7.66E+00
2311	494761.06	3860001.99	0.63448	0.24775	0.51658	0.67528	1.65448	1.25941	0.24245	0.24775	6.51E+00	1.11E-01	1.31E-05	3.50E-02	7.62E-01	1.74E-01	4.19E-01	4.11E-01	7.60E+00
2312	494811.06	3860001.99	0.63029	0.24678	0.50836	0.67392	1.62721	2.25709	0.24083	0.24678	6.46E+00	1.11E-01	1.29E-05	3.49E-02	7.50E-01	3.12E-01	4.16E-01	4.09E-01	7.68E+00
2313	494861.06	3860001.99	0.62554	0.24598	0.50041	0.67148	1.59725	2.60574	0.2391	0.24598	6.41E+00	1.11E-01	1.27E-05	3.48E-02	7.36E-01	3.60E-01	4.13E-01	4.08E-01	7.66E+00
2314	494911.06	3860001.99	0.62745	0.24308	0.48709	0.67034	1.7347	1.4253	0.23943	0.24308	6.43E+00	1.09E-01	1.24E-05	3.47E-02	7.99E-01	1.97E-01	4.13E-01	4.03E-01	7.59E+00
2315	494961.06	3860001.99	0.62304	0.24227	0.47898	0.66769	1.52815	1.27341	0.2381	0.24227	6.39E+00	1.09E-01	1.22E-05	3.46E-02	7.04E-01	1.76E-01	4.11E-01	4.01E-01	7.42E+00
2316	495011.06	3860001.99	0.62072	0.24077	0.46885	0.66463	1.64876	1.14198	0.23693	0.24077	6.36E+00	1.08E-01	1.19E-05	3.44E-02	7.60E-01	1.58E-01	4.09E-01	3.99E-01	7.44E+00
2317	495061.06	3860001.99	0.61608	0.24	0.46141	0.66082	1.59119	1.04188	0.23566	0.24	6.32E+00	1.08E-01	1.17E-05	3.42E-02	7.33E-01	1.44E-01	4.07E-01	3.98E-01	7.35E+00
2318	495111.06	3860001.99	0.61389	0.23847	0.45779	0.6569	1.54917	0.95769	0.23435	0.23847	6.29E+00	1.07E-01	1.16E-05	3.40E-02	7.14E-01	1.32E-01	4.05E-01	3.95E-01	7.29E+00
2319	495161.06	3860001.99	0.61163	0.23698	0.4538	0.65238	1.58861	0.89227	0.23331	0.23698	6.27E+00	1.07E-01	1.15E-05	3.38E-02	7.32E-01	1.23E-01	4.03E-01	3.93E-01	7.28E+00
2320	495211.06	3860001.99	0.60711	0.23616	0.45915	0.6471	1.61691	0.86385	0.23205	0.23616	6.23E+00	1.06E-01	1.16E-05	3.35E-02	7.45E-01	1.19E-01	4.01E-01	3.91E-01	7.24E+00
2321	495261.06	3860001.99	0.60451	0.2348	0.45577	0.64171	1.65477	0.84299	0.23098	0.2348	6.20E+00	1.06E-01	1.16E-05	3.32E-02	7.63E-01	1.17E-01	3.99E-01	3.89E-01	7.23E+00
2322	495311.06	3860001.99	0.60095	0.23371	0.45621	0.63565	1.68412	0.82353	0.22984	0.23371	6.16E+00	1.05E-01	1.16E-05	3.29E-02	7.76E-01	1.14E-01	3.97E-01	3.87E-01	7.20E+00
2323	495361.06	3860001.99	0.59996	0.23185	0.44409	0.62908	1.72894	0.8092	0.22916	0.23185	6.15E+00	1.04E-01	1.13E-05	3.26E-02	7.97E-01	1.12E-01	3.96E-01	3.84E-01	7.21E+00
2324	495411.06	3860001.99	0.59485	0.23122	0.45125	0.62237	1.74189	0.79254	0.22794	0.23122	6.10E+00	1.04E-01	1.14E-05	3.22E-02	8.03E-01	1.10E-01	3.94E-01	3.83E-01	7.16E+00
2325	495461.06	3860001.99	0.59172	0.22998	0.4485	0.61503	1.76514	0.77951	0.22696	0.22998	6.07E+00	1.04E-01	1.14E-05	3.18E-02	8.13E-01	1.08E-01	3.92E-01	3.81E-01	7.13E+00
2326	495511.06	3860001.99	0.58847	0.22878	0.44607	0.60727	1.78404	0.76758	0.22602	0.22878	6.03E+00	1.03E-01	1.13E-05	3.14E-02	8.22E-01	1.06E-01	3.90E-01	3.79E-01	7.11E+00
2327	495561.06	3860001.99	0.58407	0.22792	0.44889	0.5996	1.79074	0.75583	0.22496	0.22792	5.99E+00	1.03E-01	1.14E-05	3.10E-02	8.25E-01	1.04E-01	3.88E-01	3.78E-01	7.06E+00
2328	495611.06	3860001.99	0.58175	0.22647	0.44114	0.59128	1.80894	0.74656	0.22458	0.22647	5.97E+00	1.02E-01	1.12E-05	3.06E-02	8.34E-01	1.03E-01	3.88E-01	3.75E-01	7.05E+00
2329	495661.06	3860001.99	0.57924	0.22507	0.43379	0.5825	1.82105	0.73781	0.22421	0.22507	5.94E+00	1.01E-01	1.10E-05	3.02E-02	8.39E-01	1.02E-01	3.87E-01	3.73E-01	7.03E+00
2330	494411.06	3860051.99	0.64424	0.27902	0.58575	0.61072	1.7685	0.74962	0.28261	0.27902	6.61E+00	1.26E-01	1.49E-05	3.16E-02	8.15E-01	1.04E-01	4.88E-01	4.62E-01	7.71E+00
2331	494461.06	3860051.99	0.64188	0.27163	0.57394	0.61248	1.74887	0.79519	0.27491	0.27163	6.58E+00	1.22E-01	1.46E-05	3.17E-02	8.06E-01	1.10E-01	4.75E-01	4.50E-01	7.68E+00
2332	494511.06	3860051.99	0.63912	0.26536	0.56223	0.61442	1.72511	0.84004	0.26833	0.26536	6.55E+00	1.19E-01	1.43E-05	3.18E-02	7.95E-01	1.16E-01	4.63E-01	4.40E-01	7.64E+00
2333	494561.06	3860051.99	0.63247	0.26891	0.55469	0.6169	1.71098	0.88885	0.27157	0.26891	6.49E+00	1.21E-01	1.41E-05	3.19E-02	7.88E-01	1.23E-01	4.69E-01	4.46E-01	7.57E+00

2334	494611.06	3860051.99	0.62816	0.26641	0.54563	0.61829	1.70713	0.92699	0.26878	0.26641	6.44E+00	1.20E-01	1.38E-05	3.20E-02	7.87E-01	1.28E-01	4.64E-01	4.41E-01	7.53E+00
2335	494661.06	3860051.99	0.6245	0.26233	0.54032	0.6194	1.6992	1.00199	0.26442	0.26233	6.40E+00	1.18E-01	1.37E-05	3.21E-02	7.83E-01	1.39E-01	4.57E-01	4.35E-01	7.50E+00
2336	494711.06	3860051.99	0.62457	0.24949	0.53329	0.62078	1.68793	1.10428	0.25135	0.24949	6.40E+00	1.12E-01	1.35E-05	3.21E-02	7.78E-01	1.53E-01	4.34E-01	4.13E-01	7.50E+00
2337	494761.06	3860051.99	0.62055	0.24722	0.52765	0.6214	1.67275	1.26811	0.24807	0.24722	6.36E+00	1.11E-01	1.34E-05	3.22E-02	7.71E-01	1.75E-01	4.28E-01	4.10E-01	7.47E+00
2338	494811.06	3860051.99	0.61504	0.247	0.52227	0.62104	1.65443	2.31792	0.24831	0.247	6.31E+00	1.11E-01	1.32E-05	3.21E-02	7.62E-01	3.20E-01	4.29E-01	4.09E-01	7.55E+00
2339	494861.06	3860051.99	0.60994	0.24628	0.5163	0.61988	1.63212	2.28639	0.24731	0.24628	6.25E+00	1.11E-01	1.31E-05	3.21E-02	7.52E-01	3.16E-01	4.27E-01	4.08E-01	7.48E+00
2340	494911.06	3860051.99	0.6087	0.24401	0.50912	0.6204	1.60764	1.51613	0.2379	0.24401	6.24E+00	1.10E-01	1.29E-05	3.21E-02	7.41E-01	2.10E-01	4.11E-01	4.04E-01	7.34E+00
2341	494961.06	3860051.99	0.60767	0.24216	0.50137	0.62042	1.5795	1.27496	0.23385	0.24216	6.23E+00	1.09E-01	1.27E-05	3.21E-02	7.28E-01	1.76E-01	4.04E-01	4.01E-01	7.28E+00
2342	495011.06	3860051.99	0.60583	0.24054	0.49361	0.61984	1.5489	1.15795	0.23337	0.24054	6.21E+00	1.08E-01	1.25E-05	3.21E-02	7.14E-01	1.60E-01	4.03E-01	3.99E-01	7.23E+00
2343	495061.06	3860051.99	0.60303	0.23923	0.48614	0.61874	1.51584	1.05777	0.23252	0.23923	6.18E+00	1.08E-01	1.23E-05	3.20E-02	6.99E-01	1.46E-01	4.01E-01	3.96E-01	7.17E+00
2344	495111.06	3860051.99	0.60151	0.23753	0.47763	0.61736	1.48046	0.96935	0.23221	0.23753	6.17E+00	1.07E-01	1.21E-05	3.20E-02	6.82E-01	1.34E-01	4.01E-01	3.94E-01	7.13E+00
2345	495161.06	3860051.99	0.5985	0.23627	0.46992	0.61489	1.44337	0.90501	0.23122	0.23627	6.14E+00	1.06E-01	1.19E-05	3.18E-02	6.65E-01	1.25E-01	3.99E-01	3.91E-01	7.07E+00
2346	495211.06	3860051.99	0.59603	0.23485	0.46164	0.61216	1.53688	0.86876	0.23031	0.23485	6.11E+00	1.06E-01	1.17E-05	3.17E-02	7.08E-01	1.20E-01	3.98E-01	3.89E-01	7.09E+00
2347	495261.06	3860051.99	0.59229	0.23386	0.45427	0.60853	1.51061	0.84625	0.22916	0.23386	6.07E+00	1.05E-01	1.15E-05	3.15E-02	6.96E-01	1.17E-01	3.96E-01	3.87E-01	7.03E+00
2348	495311.06	3860051.99	0.58811	0.23299	0.44718	0.60424	1.53973	0.82589	0.22796	0.23299	6.03E+00	1.05E-01	1.13E-05	3.13E-02	7.10E-01	1.14E-01	3.94E-01	3.86E-01	7.00E+00
2349	495361.06	3860051.99	0.58456	0.23193	0.43953	0.59971	1.57079	0.80903	0.22679	0.23193	5.99E+00	1.04E-01	1.11E-05	3.10E-02	7.24E-01	1.12E-01	3.92E-01	3.84E-01	6.97E+00
2350	495411.06	3860051.99	0.5813	0.23078	0.43158	0.59499	1.60216	0.79441	0.22559	0.23078	5.96E+00	1.04E-01	1.09E-05	3.08E-02	7.38E-01	1.10E-01	3.89E-01	3.82E-01	6.95E+00
2351	495461.06	3860051.99	0.57844	0.22952	0.42321	0.58985	1.63526	0.78177	0.22471	0.22952	5.93E+00	1.03E-01	1.07E-05	3.05E-02	7.54E-01	1.08E-01	3.88E-01	3.80E-01	6.93E+00
2352	495511.06	3860051.99	0.57453	0.22857	0.41576	0.58398	1.65633	0.7691	0.22369	0.22857	5.89E+00	1.03E-01	1.05E-05	3.02E-02	7.63E-01	1.06E-01	3.86E-01	3.79E-01	6.90E+00
2353	495561.06	3860051.99	0.57122	0.22746	0.40774	0.57807	1.68067	0.75809	0.22268	0.22746	5.86E+00	1.02E-01	1.03E-05	2.99E-02	7.75E-01	1.05E-01	3.84E-01	3.77E-01	6.88E+00
2354	495611.06	3860051.99	0.56838	0.22623	0.40406	0.57177	1.70659	0.74824	0.2219	0.22623	5.83E+00	1.02E-01	1.03E-05	2.96E-02	7.86E-01	1.03E-01	3.83E-01	3.75E-01	6.86E+00
2355	495661.06	3860051.99	0.56639	0.22468	0.39724	0.56531	1.73733	0.73959	0.22117	0.22468	5.81E+00	1.01E-01	1.01E-05	2.93E-02	8.01E-01	1.02E-01	3.82E-01	3.72E-01	6.85E+00
2356	494411.06	3860101.99	0.63049	0.29689	0.62424	0.58722	1.75943	0.72842	0.30173	0.29689	6.47E+00	1.34E-01	1.58E-05	3.04E-02	8.11E-01	1.01E-01	5.21E-01	4.92E-01	7.57E+00
2357	494461.06	3860101.99	0.62455	0.2991	0.61251	0.59854	1.74938	0.77637	0.30369	0.2991	6.40E+00	1.35E-01	1.55E-05	3.10E-02	8.06E-01	1.07E-01	5.24E-01	4.96E-01	7.51E+00
2358	494511.06	3860101.99	0.62399	0.28722	0.58695	0.57783	1.73745	0.81826	0.29144	0.28722	6.40E+00	1.29E-01	1.49E-05	2.99E-02	8.01E-01	1.13E-01	5.03E-01	4.76E-01	7.50E+00
2359	494561.06	3860101.99	0.61945	0.28569	0.57495	0.58012	1.71957	0.8725	0.28964	0.28569	6.35E+00	1.29E-01	1.46E-05	3.00E-02	7.92E-01	1.21E-01	5.00E-01	4.73E-01	7.45E+00
2360	494611.06	3860101.99	0.61292	0.28869	0.56966	0.59195	1.69628	0.9332	0.29238	0.28869	6.28E+00	1.30E-01	1.45E-05	3.06E-02	7.82E-01	1.29E-01	5.05E-01	4.78E-01	7.38E+00
2361	494661.06	3860101.99	0.60876	0.28573	0.56199	0.5903	1.67191	1.00326	0.28915	0.28573	6.24E+00	1.29E-01	1.43E-05	3.06E-02	7.70E-01	1.39E-01	4.99E-01	4.73E-01	7.34E+00
2362	494711.06	3860101.99	0.60811	0.2748	0.55187	0.57142	1.67178	1.10961	0.27798	0.2748	6.24E+00	1.24E-01	1.40E-05	2.96E-02	7.70E-01	1.53E-01	4.80E-01	4.55E-01	7.34E+00
2363	494761.06	3860101.99	0.60433	0.27116	0.54329	0.57114	1.66605	1.28685	0.27408	0.27116	6.20E+00	1.22E-01	1.38E-05	2.96E-02	7.68E-01	1.78E-01	4.73E-01	4.49E-01	7.32E+00
2364	494811.06	3860101.99	0.60024	0.26816	0.53454	0.57258	1.65626	2.46235	0.27083	0.26816	6.15E+00	1.21E-01	1.36E-05	2.96E-02	7.63E-01	3.40E-01	4.68E-01	4.44E-01	7.43E+00
2365	494861.06	3860101.99	0.59099	0.27422	0.52721	0.58141	1.63887	2.27369	0.27648	0.27422	6.06E+00	1.23E-01	1.34E-05	3.01E-02	7.55E-01	3.14E-01	4.77E-01	4.54E-01	7.31E+00
2366	494911.06	3860101.99	0.59571	0.25401	0.51373	0.5752	1.62864	1.44532	0.25625	0.25401	6.11E+00	1.14E-01	1.30E-05	2.98E-02	7.51E-01	2.00E-01	4.42E-01	4.21E-01	7.22E+00
2367	494961.06	3860101.99	0.59228	0.24974	0.50379	0.57577	1.60924	1.28561	0.25176	0.24974	6.07E+00	1.12E-01	1.28E-05	2.98E-02	7.42E-01	1.78E-01	4.35E-01	4.14E-01	7.16E+00
2368	495011.06	3860101.99	0.59043	0.24166	0.49408	0.57673	1.58672	1.15448	0.24349	0.24166	6.05E+00	1.09E-01	1.25E-05	2.99E-02	7.31E-01	1.60E-01	4.20E-01	4.00E-01	7.10E+00
2369	495061.06	3860101.99	0.58822	0.23906	0.48914	0.57715	1.56118	1.06395	0.2361	0.23906	6.03E+00	1.08E-01	1.24E-05	2.99E-02	7.19E-01	1.47E-01	4.08E-01	3.96E-01	7.05E+00
2370	495111.06	3860101.99	0.58697	0.23731	0.48345	0.57772	1.53273	0.9878	0.22969	0.23731	6.02E+00	1.07E-01	1.23E-05	2.99E-02	7.06E-01	1.37E-01	3.97E-01	3.93E-01	7.00E+00
2371	495161.06	3860101.99	0.58313	0.23634	0.47866	0.57664	1.50225	0.9317	0.22839	0.23634	5.98E+00	1.06E-01	1.21E-05	2.99E-02	6.92E-01	1.29E-01	3.94E-01	3.92E-01	6.94E+00
2372	495211.06	3860101.99	0.58015	0.23515	0.47324	0.57587	1.46939	0.88207	0.22759	0.23515	5.95E+00	1.06E-01	1.20E-05	2.98E-02	6.77E-01	1.22E-01	3.93E-01	3.90E-01	6.89E+00
2373	495261.06	3860101.99	0.57722	0.23393	0.46759	0.57472	1.43459	0.84424	0.2268	0.23393	5.92E+00	1.05E-01	1.19E-05	2.98E-02	6.61E-01	1.17E-01	3.92E-01	3.88E-01	6.84E+00
2374	495311.06	3860101.99	0.5738	0.23288	0.462	0.57252	1.39807	0.82552	0.22588	0.23288	5.88E+00	1.05E-01	1.17E-05	2.96E-02	6.44E-01	1.14E-01	3.90E-01	3.86E-01	6.78E+00
2375	495361.06	3860101.99	0.56958	0.23204	0.45667	0.56935	1.36022	0.80788	0.22457	0.23204	5.84E+00	1.04E-01	1.16E-05	2.95E-02	6.27E-01	1.12E-01	3.88E-01	3.84E-01	6.72E+00
2376	495411.06	3860101.99	0.56661	0.23087	0.45053	0.56659	1.36703	0.79419	0.22394	0.23087	5.81E+00	1.04E-01	1.14E-05	2.93E-02	6.30E-01	1.10E-01	3.87E-01	3.83E-01	6.69E+00
2377	495461.06	3860101.99	0.56489	0.22925	0.44342	0.56425	1.38403	0.78301	0.22345	0.22925	5.79E+00	1.03E-01	1.12E-05	2.92E-02	6.38E-01	1.08E-01	3.86E-01	3.80E-01	6.68E+00
2378	495511.06	3860101.99	0.56058	0.22847	0.4378	0.55974	1.39934	0.76975	0.22233	0.22847	5.75E+00	1.03E-01	1.11E-05	2.90E-02	6.45E-01	1.06E-01	3.84E-01	3.79E-01	6.64E+00
2379	495561.06	3860101.99	0.55634	0.22765	0.43203	0.55484	1.41258	0.75755	0.22121	0.22765	5.70E+00	1.02E-01	1.10E-05	2.87E-02	6.51E-01	1.05E-01	3.82E-01	3.77E-01	6.60E+00
2380	495611.06	3860101.99	0.55454	0.22611	0.42452	0.55124	1.58904	0.74909	0.22035	0.22611	5.69E+00	1.02E-01	1.08E-05	2.85E-02	7.32E-01	1.04E-01	3.80E-01	3.75E-01	6.66E+00
2381	495661.06	3860101.99	0.5512	0.22505	0.41796	0.54632	1.61379	0.73974	0.21945	0.22505	5.65E+00	1.01E-01	1.06E-05	2.83E-02	7.44E-01	1.02E-01	3.79E-01	3.73E-01	6.63E+00
2382	494861.06	3860151.99	0.57002	0.29899	0.58288	0.62132	1.61971	2.41403	0.30181	0.29899	5.85E+00	1.35E-01	1.48E-05	3.22E-02	7.46E-01	3.34E-01	5.21E-01	4.95E-01	7.12E+00
2383	494911.06	3860151.99	0.5762	0.27932	0.54891	0.58727	1.62369	1.57026	0.28243	0.27932	5.91E+00	1.26E-01	1.39E-05	3.04E-02	7.48E-01	2.17E-01	4.88E-01	4.63E-01	7.05E+00
2384	494961.06	3860151.99	0.57417	0.27214	0.53051	0.57631	1.61407	1.3083	0.2751	0.27214	5.89E+00	1.22E-01	1.35E-05	2.98E-02	7.44E-01	1.81E-01	4.75E-01	4.51E-01	6.99E+00
2385	495011.06	3860151.99	0.5725	0.26404	0.51708	0.56343	1.60132	1.17858	0.26683	0.26404	5.87E+00	1.19E-01	1.31E-05	2.92E-02	7.38E-01	1.63E-01	4.61E-01	4.37E-01	6.94E+00
2386	495061.06	3860151.99	0.5707	0.25618	0.509	0.55072	1.58503	1.0859	0.25883	0.25618	5.85E+00	1.15E-01	1.29E-05	2.85E-02	7.30E-01	1.50E-01	4.47E-01	4.24E-01	6.90E+00
2387	495111.06	3860151.99	0.56806	0.25034	0.50093	0.54187	1.56522	1.02022	0.25282	0.25034	5.82E+00	1.13E-01	1.27E-05	2.81E-02	7.21E-01	1.41E-01	4.36E-01	4.15E-01	6.85E+00
2388	495161.06	3860151.99	0.56506	0.24542	0.49277	0.54112	1.54219	0.96384	0.24773	0.24542	5.79E+00	1.10E-01	1.25E-05	2.80E-02	7.11E-01	1.33E-01	4.28E-01	4.07E-01	6.80E+00
2389	495211.06	3860151.99	0.56253	0.23932	0.48397	0.54176	1.51642	0.91545	0.24148	0.23932	5.77E+00	1.08E-01	1.23E-05	2.80E-02	6.99E-01	1.27E-01	4.17E-01	3.97E-01	6.75E+00
2390	495261.06	3860151.99	0.55926	0.23512	0.47545	0.54142	1.48798	0.87311	0.23711	0.23512	5.73E+00	1.06E-01	1.21E-05	2.80E-02	6.86E-01	1.21E-01	4.09E-01	3.90E-01	6.69E+00

2391	495311.06	3860151.99	0.55611	0.23382	0.46664	0.54078	1.45748	0.83824	0.23255	0.23382	5.70E+00	1.05E-01	1.18E-05	2.80E-02	6.72E-01	1.16E-01	4.01E-01	3.87E-01	6.64E+00
2392	495361.06	3860151.99	0.55269	0.23279	0.45784	0.53943	1.42483	0.80544	0.22866	0.23279	5.67E+00	1.05E-01	1.16E-05	2.79E-02	6.57E-01	1.11E-01	3.95E-01	3.86E-01	6.58E+00
2393	495411.06	3860151.99	0.54978	0.23153	0.45067	0.53821	1.39045	0.79129	0.2236	0.23153	5.64E+00	1.04E-01	1.14E-05	2.79E-02	6.41E-01	1.09E-01	3.86E-01	3.84E-01	6.52E+00
2394	495461.06	3860151.99	0.54669	0.23046	0.44674	0.53632	1.35436	0.77841	0.22063	0.23046	5.61E+00	1.04E-01	1.13E-05	2.78E-02	6.24E-01	1.08E-01	3.81E-01	3.82E-01	6.47E+00
2395	495511.06	3860151.99	0.5442	0.22918	0.4424	0.53459	1.32329	0.7675	0.22015	0.22918	5.58E+00	1.03E-01	1.12E-05	2.77E-02	6.10E-01	1.06E-01	3.80E-01	3.80E-01	6.43E+00
2396	495561.06	3860151.99	0.54066	0.22821	0.43822	0.53156	1.34191	0.75623	0.21925	0.22821	5.54E+00	1.03E-01	1.11E-05	2.75E-02	6.18E-01	1.05E-01	3.79E-01	3.78E-01	6.40E+00
2397	495611.06	3860151.99	0.53799	0.22701	0.43352	0.52997	1.35836	0.74657	0.21873	0.22701	5.52E+00	1.02E-01	1.10E-05	2.74E-02	6.26E-01	1.03E-01	3.78E-01	3.76E-01	6.38E+00
2398	495661.06	3860151.99	0.53557	0.22574	0.4285	0.52732	1.37238	0.73827	0.21838	0.22574	5.49E+00	1.02E-01	1.09E-05	2.73E-02	6.32E-01	1.02E-01	3.77E-01	3.74E-01	6.36E+00
2399	495718.25	3859442.96	0.58169	0.19298	0.37456	0.41251	1.70224	0.73559	0.19442	0.19298	5.96E+00	8.68E-02	9.50E-06	2.14E-02	7.84E-01	1.02E-01	3.36E-01	3.20E-01	6.97E+00
2400	495818.25	3859442.96	0.57374	0.17761	0.36443	0.40856	1.66121	0.75953	0.17887	0.17761	5.88E+00	7.99E-02	9.24E-06	2.11E-02	7.66E-01	1.05E-01	3.09E-01	2.94E-01	6.87E+00
2401	495918.25	3859442.96	0.56655	0.1615	0.3568	0.40646	1.63638	0.77004	0.16281	0.1615	5.81E+00	7.27E-02	9.05E-06	2.10E-02	7.54E-01	1.06E-01	2.81E-01	2.68E-01	6.78E+00
2402	496018.25	3859442.96	0.55966	0.14572	0.34989	0.40498	1.61085	0.76393	0.16232	0.14572	5.74E+00	6.56E-02	8.88E-06	2.10E-02	7.42E-01	1.06E-01	2.80E-01	2.41E-01	6.71E+00
2403	496118.25	3859442.96	0.55489	0.13215	0.3503	0.40973	1.66751	0.70372	0.16389	0.13215	5.69E+00	5.95E-02	8.89E-06	2.12E-02	7.68E-01	9.73E-02	2.83E-01	2.19E-01	6.70E+00
2404	496218.25	3859442.96	0.54975	0.13179	0.34874	0.41331	1.6943	0.6952	0.165	0.13179	5.64E+00	5.93E-02	8.85E-06	2.14E-02	7.81E-01	9.61E-02	2.85E-01	2.18E-01	6.66E+00
2405	496318.25	3859442.96	0.54309	0.1302	0.34087	0.41224	1.6415	0.68488	0.16493	0.1302	5.57E+00	5.86E-02	8.65E-06	2.13E-02	7.56E-01	9.47E-02	2.85E-01	2.16E-01	6.57E+00
2406	496418.25	3859442.96	0.53637	0.1285	0.33212	0.41081	1.57422	0.65805	0.16485	0.1285	5.50E+00	5.78E-02	8.43E-06	2.13E-02	7.25E-01	9.10E-02	2.85E-01	2.13E-01	6.47E+00
2407	495718.25	3859542.96	0.59523	0.21338	0.36668	0.43317	1.81518	0.56767	0.21507	0.21338	6.10E+00	9.60E-02	9.30E-06	2.24E-02	8.37E-01	7.85E-02	3.71E-01	3.54E-01	7.15E+00
2408	495818.25	3859542.96	0.58744	0.20014	0.35837	0.42635	1.78667	0.58948	0.20177	0.20014	6.02E+00	9.01E-02	9.09E-06	2.21E-02	8.23E-01	8.15E-02	3.48E-01	3.32E-01	7.06E+00
2409	495918.25	3859542.96	0.57934	0.18625	0.3493	0.42268	1.73731	0.61328	0.18765	0.18625	5.94E+00	8.38E-02	8.86E-06	2.19E-02	8.01E-01	8.48E-02	3.24E-01	3.09E-01	6.95E+00
2410	496018.25	3859542.96	0.57168	0.17134	0.34167	0.41974	1.74314	0.63106	0.17265	0.17134	5.86E+00	7.71E-02	8.67E-06	2.17E-02	8.03E-01	8.72E-02	2.98E-01	2.84E-01	6.87E+00
2411	496118.25	3859542.96	0.56659	0.15637	0.34324	0.42276	1.82576	0.62649	0.16546	0.15637	5.81E+00	7.04E-02	8.71E-06	2.19E-02	8.41E-01	8.66E-02	2.86E-01	2.59E-01	6.86E+00
2412	496218.25	3859542.96	0.56085	0.14232	0.3417	0.42391	1.87001	0.61105	0.16576	0.14232	5.75E+00	6.41E-02	8.67E-06	2.19E-02	8.62E-01	8.45E-02	2.86E-01	2.36E-01	6.83E+00
2413	496318.25	3859542.96	0.55467	0.13611	0.33795	0.42649	1.8851	0.62126	0.16578	0.13611	5.69E+00	6.13E-02	8.57E-06	2.21E-02	8.69E-01	8.59E-02	2.86E-01	2.26E-01	6.79E+00
2414	496418.25	3859542.96	0.54706	0.1339	0.32885	0.42076	1.84024	0.62852	0.16499	0.1339	5.61E+00	6.03E-02	8.34E-06	2.18E-02	8.48E-01	8.69E-02	2.85E-01	2.22E-01	6.69E+00
2415	495718.25	3859642.96	0.60959	0.22394	0.42959	0.543	1.77941	0.56499	0.22615	0.22394	6.25E+00	1.01E-01	1.09E-05	2.81E-02	8.20E-01	7.81E-02	3.90E-01	3.71E-01	7.30E+00
2416	495818.25	3859642.96	0.60048	0.21527	0.42047	0.50741	1.79706	0.54357	0.21699	0.21527	6.16E+00	9.69E-02	1.07E-05	2.63E-02	8.28E-01	7.51E-02	3.75E-01	3.57E-01	7.20E+00
2417	495918.25	3859642.96	0.5929	0.20358	0.41449	0.49838	1.81393	0.53428	0.20567	0.20358	6.08E+00	9.16E-02	1.05E-05	2.58E-02	8.36E-01	7.39E-02	3.55E-01	3.37E-01	7.12E+00
2418	496018.25	3859642.96	0.58444	0.19166	0.33626	0.47979	1.80654	0.53305	0.1933	0.19166	5.99E+00	8.63E-02	8.53E-06	2.48E-02	8.33E-01	7.37E-02	3.34E-01	3.18E-01	7.03E+00
2419	496118.25	3859642.96	0.57926	0.17719	0.40944	0.51113	1.83639	0.5607	0.1787	0.17719	5.94E+00	7.97E-02	1.04E-05	2.65E-02	8.46E-01	7.75E-02	3.09E-01	2.94E-01	6.98E+00
2420	496218.25	3859642.96	0.5738	0.16385	0.40893	0.52455	1.8687	0.585	0.18773	0.16385	5.88E+00	7.37E-02	1.04E-05	2.72E-02	8.61E-01	8.09E-02	3.24E-01	2.71E-01	6.98E+00
2421	496318.25	3859642.96	0.56565	0.15112	0.40158	0.51825	1.89702	0.59075	0.17564	0.15112	5.80E+00	6.80E-02	1.02E-05	2.68E-02	8.74E-01	8.17E-02	3.03E-01	2.50E-01	6.90E+00
2422	496418.25	3859642.96	0.55347	0.13849	0.31127	0.41694	1.80224	0.56577	0.16191	0.13849	5.68E+00	6.23E-02	7.90E-06	2.16E-02	8.31E-01	7.82E-02	2.80E-01	2.29E-01	6.72E+00
2423	495718.25	3859742.96	0.61885	0.22658	0.40412	0.62865	1.58439	0.62694	0.22966	0.22658	6.35E+00	1.02E-01	1.03E-05	3.25E-02	7.30E-01	8.67E-02	3.97E-01	3.75E-01	7.32E+00
2424	495818.25	3859742.96	0.61566	0.22208	0.39432	0.60042	1.64036	0.60014	0.22466	0.22208	6.31E+00	9.99E-02	1.00E-05	3.11E-02	7.56E-01	8.30E-02	3.88E-01	3.68E-01	7.30E+00
2425	495918.25	3859742.96	0.60738	0.2153	0.38797	0.55511	1.69333	0.58062	0.21702	0.2153	6.23E+00	9.69E-02	9.84E-06	2.87E-02	7.80E-01	8.03E-02	3.75E-01	3.57E-01	7.23E+00
2426	496018.25	3859742.96	0.59638	0.20623	0.38059	0.51226	1.73253	0.55573	0.20822	0.20623	6.12E+00	9.28E-02	9.65E-06	2.65E-02	7.98E-01	7.68E-02	3.59E-01	3.42E-01	7.13E+00
2427	496118.25	3859742.96	0.59216	0.19363	0.38316	0.56645	1.78896	0.57269	0.21091	0.19363	6.07E+00	8.71E-02	9.72E-06	2.93E-02	8.24E-01	7.92E-02	3.64E-01	3.21E-01	7.14E+00
2428	496218.25	3859742.96	0.57854	0.2006	0.38792	0.58916	1.83024	0.59498	0.21914	0.2006	5.93E+00	9.03E-02	9.84E-06	3.05E-02	8.43E-01	8.23E-02	3.78E-01	3.32E-01	7.02E+00
2429	496318.25	3859742.96	0.57198	0.17578	0.36842	0.49189	1.80836	0.55276	0.19842	0.17578	5.87E+00	7.91E-02	9.35E-06	2.55E-02	8.33E-01	7.64E-02	3.43E-01	2.91E-01	6.93E+00
2430	496418.25	3859742.96	0.55949	0.16005	0.34837	0.45545	1.75758	0.5327	0.16338	0.16005	5.74E+00	7.20E-02	8.84E-06	2.36E-02	8.10E-01	7.36E-02	2.82E-01	2.65E-01	6.73E+00
2431	495718.25	3859842.96	0.60549	0.22174	0.40658	0.62308	1.74024	0.68566	0.23212	0.22174	6.21E+00	9.98E-02	1.03E-05	3.23E-02	8.02E-01	9.48E-02	4.01E-01	3.67E-01	7.27E+00
2432	495818.25	3859842.96	0.59948	0.21842	0.38703	0.60535	1.63983	0.66578	0.22614	0.21842	6.15E+00	9.83E-02	9.82E-06	3.13E-02	7.56E-01	9.20E-02	3.90E-01	3.62E-01	7.15E+00
2433	495918.25	3859842.96	0.59378	0.21704	0.37081	0.5858	1.52694	0.63976	0.21898	0.21704	6.09E+00	9.77E-02	9.41E-06	3.03E-02	7.04E-01	8.84E-02	3.78E-01	3.60E-01	7.03E+00
2434	496018.25	3859842.96	0.58568	0.20861	0.36904	0.5736	1.5196	0.62529	0.21465	0.20861	6.01E+00	9.39E-02	9.36E-06	2.97E-02	7.00E-01	8.64E-02	3.71E-01	3.46E-01	6.94E+00
2435	496118.25	3859842.96	0.56999	0.21541	0.38974	0.57535	1.59668	0.64305	0.22814	0.21541	5.84E+00	9.69E-02	9.89E-06	2.98E-02	7.36E-01	8.89E-02	3.94E-01	3.57E-01	6.83E+00
2436	496218.25	3859842.96	0.57214	0.19431	0.36047	0.54919	1.64243	0.59732	0.2052	0.19431	5.87E+00	8.74E-02	9.14E-06	2.84E-02	7.57E-01	8.26E-02	3.54E-01	3.22E-01	6.85E+00
2437	496318.25	3859842.96	0.56646	0.19299	0.32692	0.42542	1.61583	0.50255	0.1946	0.19299	5.81E+00	8.69E-02	8.29E-06	2.20E-02	7.45E-01	6.95E-02	3.36E-01	3.20E-01	6.75E+00
2438	496418.25	3859842.96	0.55435	0.1852	0.27453	0.36622	1.57777	0.47621	0.18656	0.1852	5.68E+00	8.33E-02	6.96E-06	1.90E-02	7.27E-01	6.58E-02	3.22E-01	3.07E-01	6.59E+00
2439	495718.25	3859942.96	0.58846	0.22475	0.44755	0.59226	1.85173	0.72461	0.2285	0.22475	6.03E+00	1.01E-01	1.14E-05	3.07E-02	8.53E-01	1.00E-01	3.95E-01	3.72E-01	7.14E+00
2440	495818.25	3859942.96	0.58245	0.22166	0.43119	0.57454	1.81006	0.7017	0.22698	0.22166	5.97E+00	9.98E-02	1.09E-05	2.97E-02	8.34E-01	9.70E-02	3.92E-01	3.67E-01	7.06E+00
2441	495918.25	3859942.96	0.57464	0.21888	0.42511	0.55875	1.7464	0.68295	0.22552	0.21888	5.89E+00	9.85E-02	1.08E-05	2.89E-02	8.05E-01	9.44E-02	3.89E-01	3.63E-01	6.95E+00
2442	496018.25	3859942.96	0.56243	0.21939	0.44499	0.54583	1.65946	0.68333	0.22518	0.21939	5.77E+00	9.87E-02	1.13E-05	2.83E-02	7.65E-01	9.45E-02	3.89E-01	3.64E-01	6.78E+00
2443	496118.25	3859942.96	0.56013	0.20995	0.40557	0.5301	1.58006	0.65339	0.22054	0.20995	5.74E+00	9.45E-02	1.03E-05	2.74E-02	7.28E-01	9.03E-02	3.81E-01	3.48E-01	6.72E+00
2444	496218.25	3859942.96	0.56392	0.20705	0.33346	0.49173	1.46467	0.60004	0.2111	0.20705	5.78E+00	9.32E-02	8.46E-06	2.55E-02	6.75E-01	8.30E-02	3.64E-01	3.43E-01	6.68E+00
2445	496318.25	3859942.96	0.5624	0.20712	0.31298	0.41673	1.38162	0.53355	0.20911	0.20712	5.77E+00	9.32E-02	7.94E-06	2.16E-02	6.37E-01	7.38E-02	3.61E-01	3.43E-01	6.61E+00
2446	496418.25	3859942.96	0.54708	0.20561	0.26528	0.34831	1.35223	0.46517	0.2071	0.20561	5.61E+00	9.25E-02	6.73E-06	1.80E-02	6.23E-01	6.43E-02	3.58E-01	3.41E-01	6.42E+00
2447	496856.82	3858864.83	0.46419	0.10069	0.22262	0.29068	1.29878	1.02037	0.12633	0.10069	4.76E+00	4.53E-02	5.65E-06	1.50E-02	5.99E-01	1.41E-01	2.18E-01	1.67E-01	5.61E+00

2448	496956.82	3858864.83	0.45889	0.09776	0.22002	0.28331	1.27303	0.91904	0.12238	0.09776	4.71E+00	4.40E-02	5.58E-06	1.47E-02	5.87E-01	1.27E-01	2.11E-01	1.62E-01	5.53E+00
2449	497056.82	3858864.83	0.45391	0.09504	0.21766	0.27628	1.2461	0.82827	0.11845	0.09504	4.65E+00	4.28E-02	5.52E-06	1.43E-02	5.74E-01	1.15E-01	2.05E-01	1.57E-01	5.45E+00
2450	497156.82	3858864.83	0.44878	0.09206	0.21542	0.26843	1.21747	0.74658	0.11422	0.09206	4.60E+00	4.14E-02	5.46E-06	1.39E-02	5.61E-01	1.03E-01	1.97E-01	1.53E-01	5.37E+00
2451	497256.82	3858864.83	0.44513	0.09285	0.21353	0.26469	1.18856	0.69237	0.11144	0.09285	4.56E+00	4.18E-02	5.42E-06	1.37E-02	5.48E-01	9.57E-02	1.92E-01	1.54E-01	5.30E+00
2452	496856.82	3858964.83	0.46898	0.10551	0.24141	0.32171	1.35961	0.85928	0.14189	0.10551	4.81E+00	4.75E-02	6.12E-06	1.67E-02	6.27E-01	1.19E-01	2.45E-01	1.75E-01	5.69E+00
2453	496956.82	3858964.83	0.46225	0.10307	0.23642	0.31333	1.34502	0.76466	0.13774	0.10307	4.74E+00	4.64E-02	6.00E-06	1.62E-02	6.20E-01	1.06E-01	2.38E-01	1.71E-01	5.60E+00
2454	497056.82	3858964.83	0.45639	0.10046	0.23213	0.30604	1.32843	0.68456	0.13393	0.10046	4.68E+00	4.52E-02	5.89E-06	1.58E-02	6.12E-01	9.46E-02	2.31E-01	1.66E-01	5.51E+00
2455	497156.82	3858964.83	0.45073	0.09772	0.22817	0.29837	1.30997	0.62249	0.12989	0.09772	4.62E+00	4.40E-02	5.79E-06	1.54E-02	6.04E-01	8.61E-02	2.24E-01	1.62E-01	5.43E+00
2456	497256.82	3858964.83	0.44784	0.09502	0.22527	0.29782	1.29036	0.60931	0.12838	0.09502	4.59E+00	4.28E-02	5.71E-06	1.54E-02	5.95E-01	8.42E-02	2.22E-01	1.57E-01	5.39E+00
2457	496856.82	3859064.83	0.4733	0.10947	0.25559	0.34425	1.35228	0.9085	0.15271	0.10947	4.85E+00	4.93E-02	6.48E-06	1.78E-02	6.23E-01	1.26E-01	2.64E-01	1.81E-01	5.75E+00
2458	496956.82	3859064.83	0.46662	0.10748	0.24857	0.3391	1.3511	0.85438	0.15012	0.10748	4.78E+00	4.84E-02	6.31E-06	1.76E-02	6.23E-01	1.18E-01	2.59E-01	1.78E-01	5.67E+00
2459	497056.82	3859064.83	0.46047	0.10528	0.24235	0.33407	1.34731	0.80503	0.14748	0.10528	4.72E+00	4.74E-02	6.15E-06	1.73E-02	6.21E-01	1.11E-01	2.55E-01	1.74E-01	5.60E+00
2460	497156.82	3859064.83	0.45474	0.10291	0.23672	0.32889	1.34122	0.76053	0.14463	0.10291	4.66E+00	4.63E-02	6.01E-06	1.70E-02	6.18E-01	1.05E-01	2.50E-01	1.71E-01	5.53E+00
2461	497256.82	3859064.83	0.45219	0.10044	0.23309	0.33156	1.3339	0.71892	0.14446	0.10044	4.64E+00	4.52E-02	5.91E-06	1.72E-02	6.15E-01	9.94E-02	2.49E-01	1.66E-01	5.50E+00
2462	496856.82	3859164.83	0.47769	0.11235	0.2637	0.35774	1.27929	0.67563	0.1583	0.11235	4.90E+00	5.06E-02	6.69E-06	1.85E-02	5.90E-01	9.34E-02	2.73E-01	1.86E-01	5.74E+00
2463	496956.82	3859164.83	0.47059	0.11083	0.25459	0.35433	1.29083	0.62835	0.15684	0.11083	4.83E+00	4.99E-02	6.46E-06	1.83E-02	5.95E-01	8.69E-02	2.71E-01	1.84E-01	5.66E+00
2464	497056.82	3859164.83	0.46494	0.1091	0.24741	0.35344	1.30073	0.59233	0.15604	0.1091	4.77E+00	4.91E-02	6.28E-06	1.83E-02	5.99E-01	8.19E-02	2.69E-01	1.81E-01	5.60E+00
2465	497156.82	3859164.83	0.46081	0.10719	0.24189	0.35531	1.30815	0.57113	0.15602	0.10719	4.73E+00	4.82E-02	6.14E-06	1.84E-02	6.03E-01	7.90E-02	2.69E-01	1.78E-01	5.57E+00
2466	497256.82	3859164.83	0.45842	0.10508	0.23808	0.36071	1.31402	0.55828	0.15691	0.10508	4.70E+00	4.73E-02	6.04E-06	1.87E-02	6.06E-01	7.72E-02	2.71E-01	1.74E-01	5.55E+00
2467	496856.82	3859264.83	0.4827	0.11428	0.26514	0.36467	1.15089	0.71662	0.15956	0.11428	4.95E+00	5.14E-02	6.73E-06	1.89E-02	5.30E-01	9.91E-02	2.75E-01	1.89E-01	5.74E+00
2468	496956.82	3859264.83	0.47736	0.11306	0.2575	0.36732	1.17512	0.6526	0.16051	0.11306	4.89E+00	5.09E-02	6.53E-06	1.90E-02	5.42E-01	9.02E-02	2.77E-01	1.87E-01	5.69E+00
2469	497056.82	3859264.83	0.47319	0.11186	0.25158	0.37204	1.19689	0.58194	0.1619	0.11186	4.85E+00	5.03E-02	6.38E-06	1.93E-02	5.52E-01	8.05E-02	2.80E-01	1.85E-01	5.65E+00
2470	497156.82	3859264.83	0.46875	0.11091	0.24529	0.37507	1.2166	0.54786	0.16265	0.11091	4.81E+00	4.99E-02	6.22E-06	1.94E-02	5.61E-01	7.57E-02	2.81E-01	1.84E-01	5.61E+00
2471	497256.82	3859264.83	0.46559	0.10874	0.25181	0.37997	1.25343	0.51985	0.16367	0.10874	4.77E+00	4.89E-02	6.39E-06	1.97E-02	5.78E-01	7.19E-02	2.83E-01	1.80E-01	5.59E+00
2472	497088.92	3858620.93	0.33058	0.08764	0.17249	0.22134	0.5992	0.60596	0.08704	0.08764	3.39E+00	3.94E-02	4.38E-06	1.15E-02	2.76E-01	8.38E-02	1.50E-01	1.45E-01	3.81E+00
2473	497138.92	3858620.93	0.32981	0.09202	0.17277	0.22059	0.59494	0.59083	0.09147	0.09202	3.38E+00	4.14E-02	4.38E-06	1.14E-02	2.74E-01	8.17E-02	1.58E-01	1.52E-01	3.80E+00
2474	497188.92	3858620.93	0.32869	0.09539	0.17311	0.21846	0.59653	0.55193	0.09489	0.09539	3.37E+00	4.29E-02	4.39E-06	1.13E-02	2.75E-01	7.63E-02	1.64E-01	1.58E-01	3.78E+00
2475	497238.92	3858620.93	0.32783	0.09914	0.17335	0.21672	0.58849	0.52012	0.09867	0.09914	3.36E+00	4.46E-02	4.40E-06	1.12E-02	2.71E-01	7.19E-02	1.70E-01	1.64E-01	3.77E+00
2476	497088.92	3858670.93	0.33431	0.08644	0.1818	0.22551	0.65233	0.55764	0.08939	0.08644	3.43E+00	3.89E-02	4.61E-06	1.17E-02	3.01E-01	7.71E-02	1.54E-01	1.43E-01	3.87E+00
2477	497138.92	3858670.93	0.33371	0.08673	0.18192	0.22601	0.65443	0.56003	0.08914	0.08673	3.42E+00	3.90E-02	4.61E-06	1.17E-02	3.02E-01	7.74E-02	1.54E-01	1.44E-01	3.86E+00
2478	497188.92	3858670.93	0.33281	0.08923	0.18199	0.22382	0.64305	0.55643	0.0889	0.08923	3.41E+00	4.02E-02	4.62E-06	1.16E-02	2.96E-01	7.69E-02	1.53E-01	1.48E-01	3.84E+00
2479	497238.92	3858670.93	0.33207	0.09357	0.18208	0.22299	0.63861	0.56651	0.09328	0.09357	3.41E+00	4.21E-02	4.62E-06	1.15E-02	2.94E-01	7.83E-02	1.61E-01	1.55E-01	3.84E+00
2480	497088.92	3858720.93	0.44972	0.08797	0.19128	0.23608	1.02732	0.67999	0.0959	0.08797	4.61E+00	3.96E-02	4.85E-06	1.22E-02	4.73E-01	9.40E-02	1.66E-01	1.46E-01	5.25E+00
2481	497138.92	3858720.93	0.33729	0.08725	0.19107	0.23022	0.68364	0.63067	0.09336	0.08725	3.46E+00	3.93E-02	4.85E-06	1.19E-02	3.15E-01	8.72E-02	1.61E-01	1.45E-01	3.93E+00
2482	497188.92	3858720.93	0.33653	0.08718	0.19095	0.22866	0.67694	0.62548	0.09231	0.08718	3.45E+00	3.92E-02	4.84E-06	1.18E-02	3.12E-01	8.65E-02	1.59E-01	1.44E-01	3.92E+00
2483	497238.92	3858720.93	0.44486	0.08844	0.19087	0.231	0.97357	0.66253	0.09254	0.08844	4.56E+00	3.98E-02	4.84E-06	1.20E-02	4.49E-01	9.16E-02	1.60E-01	1.47E-01	5.17E+00
2484	497088.92	3858770.93	0.44974	0.08896	0.20058	0.24537	1.10875	0.7542	0.10199	0.08896	4.61E+00	4.00E-02	5.09E-06	1.27E-02	5.11E-01	1.04E-01	1.76E-01	1.47E-01	5.31E+00
2485	497138.92	3858770.93	0.44751	0.08874	0.20014	0.24214	1.09158	0.7164	0.10024	0.08874	4.59E+00	3.99E-02	5.08E-06	1.25E-02	5.03E-01	9.90E-02	1.73E-01	1.47E-01	5.27E+00
2486	497188.92	3858770.93	0.44606	0.08851	0.19967	0.23989	1.07475	0.68578	0.09877	0.08851	4.57E+00	3.98E-02	5.07E-06	1.24E-02	4.95E-01	9.48E-02	1.71E-01	1.47E-01	5.24E+00
2487	497238.92	3858770.93	0.44484	0.0889	0.19942	0.24073	1.05767	0.6923	0.09844	0.0889	4.56E+00	4.00E-02	5.06E-06	1.25E-02	4.87E-01	9.57E-02	1.70E-01	1.47E-01	5.22E+00
2488	497396.65	3858622.63	0.44519	0.12232	0.17433	0.21904	0.74471	0.57477	0.12207	0.12232	4.56E+00	5.50E-02	4.42E-06	1.13E-02	3.43E-01	7.95E-02	2.11E-01	2.03E-01	5.06E+00
2489	497496.65	3858622.63	0.44478	0.13659	0.17467	0.21773	0.71255	0.62566	0.13645	0.13659	4.56E+00	6.15E-02	4.43E-06	1.13E-02	3.28E-01	8.65E-02	2.36E-01	2.26E-01	5.06E+00
2490	497596.65	3858622.63	0.44573	0.17255	0.17489	0.21775	0.68242	0.67466	0.17144	0.17255	4.57E+00	7.77E-02	4.44E-06	1.13E-02	3.14E-01	9.33E-02	2.96E-01	2.86E-01	5.08E+00
2491	497696.65	3858622.63	0.44442	0.18322	0.17514	0.21195	0.67599	0.68442	0.18211	0.18322	4.56E+00	8.25E-02	4.44E-06	1.10E-02	3.12E-01	9.46E-02	3.14E-01	3.04E-01	5.07E+00
2492	497796.65	3858622.63	0.44424	0.19464	0.17529	0.20738	0.69794	0.67401	0.1936	0.19464	4.56E+00	8.76E-02	4.45E-06	1.07E-02	3.22E-01	9.32E-02	3.34E-01	3.23E-01	5.08E+00
2493	497896.65	3858622.63	0.44416	0.20383	0.17789	0.22106	0.71804	0.64169	0.20288	0.20383	4.55E+00	9.17E-02	4.51E-06	1.14E-02	3.31E-01	8.87E-02	3.50E-01	3.38E-01	5.09E+00
2494	497396.65	3858722.63	0.44455	0.1254	0.19079	0.23958	0.92323	0.73161	0.12495	0.1254	4.56E+00	5.64E-02	4.84E-06	1.24E-02	4.25E-01	1.01E-01	2.16E-01	2.08E-01	5.16E+00
2495	497496.65	3858722.63	0.44373	0.14491	0.19047	0.24168	0.8894	0.73593	0.14437	0.14491	4.55E+00	6.52E-02	4.83E-06	1.25E-02	4.10E-01	1.02E-01	2.49E-01	2.40E-01	5.15E+00
2496	497596.65	3858722.63	0.44394	0.16272	0.1901	0.24477	0.85691	0.72976	0.16226	0.16272	4.55E+00	7.32E-02	4.82E-06	1.27E-02	3.95E-01	1.01E-01	2.80E-01	2.70E-01	5.14E+00
2497	497696.65	3858722.63	0.44311	0.17626	0.1925	0.24212	0.82437	0.69112	0.17593	0.17626	4.54E+00	7.93E-02	4.88E-06	1.25E-02	3.80E-01	9.55E-02	3.04E-01	2.92E-01	5.12E+00
2498	497796.65	3858722.63	0.44175	0.18691	0.19513	0.23613	0.81206	0.64298	0.18668	0.18691	4.53E+00	8.41E-02	4.95E-06	1.22E-02	3.74E-01	8.89E-02	3.22E-01	3.10E-01	5.10E+00
2499	497896.65	3858722.63	0.44086	0.19714	0.22284	0.22991	0.81534	0.6029	0.197	0.19714	4.52E+00	8.87E-02	5.65E-06	1.19E-02	3.76E-01	8.34E-02	3.40E-01	3.27E-01	5.09E+00
2500	497396.65	3858822.63	0.44357	0.11818	0.20593	0.26041	1.08727	0.71723	0.118	0.11818	4.55E+00	5.32E-02	5.22E-06	1.35E-02	5.01E-01	9.92E-02	2.04E-01	1.96E-01	5.22E+00
2501	497496.65	3858822.63	0.44213	0.13135	0.20474	0.26356	1.05551	0.69227	0.13128	0.13135	4.53E+00	5.91E-02	5.19E-06	1.36E-02	4.86E-01	9.57E-02	2.27E-01	2.18E-01	5.20E+00
2502	497596.65	3858822.63	0.44286	0.14947	0.20361	0.27268	1.02467	0.65349	0.14959	0.14947	4.54E+00	6.73E-02	5.17E-06	1.41E-02	4.72E-01	9.03E-02	2.58E-01	2.48E-01	5.20E+00
2503	497696.65	3858822.63	0.44086	0.1624	0.20595	0.27124	0.99208	0.60853	0.16265	0.1624	4.52E+00	7.31E-02	5.22E-06	1.40E-02	4.57E-01	8.41E-02	2.81E-01	2.69E-01	5.16E+00
2504	497796.65	3858822.63	0.43943	0.17407	0.20845	0.26813	0.97388	0.54835	0.17443	0.17407	4.51E+00	7.83E-02	5.29E-06	1.39E-02	4.49E-01	7.58E-02	3.01E-01	2.88E-01	5.14E+00

2505	497896.65	3858822.63	0.43895	0.18761	0.21127	0.26518	1.00926	0.50114	0.18809	0.18761	4.50E+00	8.44E-02	5.36E-06	1.37E-02	4.65E-01	6.93E-02	3.25E-01	3.11E-01	5.15E+00
2506	497396.65	3858922.63	0.44367	0.10771	0.21773	0.2862	1.21899	0.59002	0.11979	0.10771	4.55E+00	4.85E-02	5.52E-06	1.48E-02	5.62E-01	8.16E-02	2.07E-01	1.78E-01	5.28E+00
2507	497496.65	3858922.63	0.44328	0.12267	0.21589	0.29457	1.19332	0.55758	0.12306	0.12267	4.55E+00	5.52E-02	5.48E-06	1.52E-02	5.50E-01	7.71E-02	2.12E-01	2.03E-01	5.25E+00
2508	497596.65	3858922.63	0.43997	0.13212	0.21348	0.29219	1.16549	0.54832	0.1326	0.13212	4.51E+00	5.95E-02	5.42E-06	1.51E-02	5.37E-01	7.58E-02	2.29E-01	2.19E-01	5.21E+00
2509	497696.65	3858922.63	0.44057	0.1493	0.21168	0.30118	1.13863	0.53939	0.14995	0.1493	4.52E+00	6.72E-02	5.37E-06	1.56E-02	5.25E-01	7.46E-02	2.59E-01	2.47E-01	5.21E+00
2510	497796.65	3858922.63	0.43903	0.16277	0.2098	0.30114	1.1278	0.5303	0.16355	0.16277	4.50E+00	7.33E-02	5.32E-06	1.56E-02	5.20E-01	7.33E-02	2.82E-01	2.70E-01	5.20E+00
2511	497896.65	3858922.63	0.43965	0.17732	0.20804	0.30205	1.18167	0.51693	0.17824	0.17732	4.51E+00	7.98E-02	5.28E-06	1.56E-02	5.45E-01	7.15E-02	3.08E-01	2.94E-01	5.23E+00
2512	497364.44	3858201.52	0.2828	0.1316	0.13686	0.25012	0.61042	0.54673	0.12909	0.1316	2.90E+00	5.92E-02	3.47E-06	1.29E-02	2.81E-01	7.56E-02	2.23E-01	2.18E-01	3.33E+00
2513	497414.44	3858201.52	0.28203	0.13486	0.13705	0.24913	0.60984	0.52043	0.13239	0.13486	2.89E+00	6.07E-02	3.48E-06	1.29E-02	2.81E-01	7.20E-02	2.29E-01	2.23E-01	3.32E+00
2514	497464.44	3858201.52	0.28107	0.13748	0.13725	0.24816	0.60915	0.52425	0.13504	0.13748	2.88E+00	6.19E-02	3.48E-06	1.28E-02	2.81E-01	7.25E-02	2.33E-01	2.28E-01	3.32E+00
2515	497514.44	3858201.52	0.27982	0.13837	0.13748	0.24719	0.6083	0.55656	0.13594	0.13837	2.87E+00	6.23E-02	3.49E-06	1.28E-02	2.80E-01	7.69E-02	2.35E-01	2.29E-01	3.31E+00
2516	497564.44	3858201.52	0.27861	0.13713	0.13769	0.24624	0.60746	0.54684	0.1347	0.13713	2.86E+00	6.17E-02	3.49E-06	1.27E-02	2.80E-01	7.56E-02	2.33E-01	2.27E-01	3.29E+00
2517	497614.44	3858201.52	0.27749	0.13707	0.13789	0.2453	0.60663	0.53509	0.13466	0.13707	2.85E+00	6.17E-02	3.50E-06	1.27E-02	2.80E-01	7.40E-02	2.32E-01	2.27E-01	3.28E+00
2518	497364.44	3858251.52	0.28895	0.13803	0.13683	0.2367	0.59663	0.53995	0.13583	0.13803	2.96E+00	6.21E-02	3.47E-06	1.23E-02	2.75E-01	7.46E-02	2.35E-01	2.29E-01	3.39E+00
2519	497414.44	3858251.52	0.28814	0.14282	0.13713	0.23581	0.59651	0.53003	0.14067	0.14282	2.95E+00	6.43E-02	3.48E-06	1.22E-02	2.75E-01	7.33E-02	2.43E-01	2.37E-01	3.39E+00
2520	497464.44	3858251.52	0.28689	0.14155	0.13743	0.23489	0.59616	0.51437	0.13939	0.14155	2.94E+00	6.37E-02	3.49E-06	1.22E-02	2.75E-01	7.11E-02	2.41E-01	2.35E-01	3.37E+00
2521	497514.44	3858251.52	0.2856	0.1395	0.13773	0.234	0.59576	0.49603	0.13732	0.1395	2.93E+00	6.28E-02	3.49E-06	1.21E-02	2.75E-01	6.86E-02	2.37E-01	2.31E-01	3.35E+00
2522	497564.44	3858251.52	0.28443	0.13901	0.13803	0.23315	0.59541	0.49609	0.13684	0.13901	2.92E+00	6.26E-02	3.50E-06	1.21E-02	2.74E-01	6.86E-02	2.36E-01	2.30E-01	3.34E+00
2523	497614.44	3858251.52	0.28326	0.1383	0.13833	0.23233	0.59501	0.50151	0.13614	0.1383	2.90E+00	6.22E-02	3.51E-06	1.20E-02	2.74E-01	6.93E-02	2.35E-01	2.29E-01	3.33E+00
2524	497364.44	3858301.52	0.29477	0.13966	0.13806	0.22423	0.57862	0.53184	0.13774	0.13966	3.02E+00	6.29E-02	3.50E-06	1.16E-02	2.67E-01	7.35E-02	2.38E-01	2.31E-01	3.44E+00
2525	497414.44	3858301.52	0.2938	0.14364	0.13844	0.22336	0.57894	0.52105	0.14176	0.14364	3.01E+00	6.46E-02	3.51E-06	1.16E-02	2.67E-01	7.20E-02	2.45E-01	2.38E-01	3.43E+00
2526	497464.44	3858301.52	0.29253	0.1423	0.13882	0.22241	0.57906	0.49881	0.14041	0.1423	3.00E+00	6.40E-02	3.52E-06	1.15E-02	2.67E-01	6.90E-02	2.42E-01	2.36E-01	3.42E+00
2527	497514.44	3858301.52	0.29133	0.14164	0.13919	0.22156	0.5792	0.47749	0.13975	0.14164	2.99E+00	6.37E-02	3.53E-06	1.15E-02	2.67E-01	6.60E-02	2.41E-01	2.35E-01	3.40E+00
2528	497564.44	3858301.52	0.29007	0.13969	0.13956	0.22075	0.57927	0.45288	0.13779	0.13969	2.97E+00	6.29E-02	3.54E-06	1.14E-02	2.67E-01	6.26E-02	2.38E-01	2.31E-01	3.38E+00
2529	497614.44	3858301.52	0.28893	0.1394	0.13993	0.22002	0.57934	0.44888	0.1375	0.1394	2.96E+00	6.27E-02	3.55E-06	1.14E-02	2.67E-01	6.21E-02	2.37E-01	2.31E-01	3.37E+00
2530	497364.44	3858351.52	0.30026	0.14047	0.1406	0.21398	0.55685	0.51752	0.13885	0.14047	3.08E+00	6.32E-02	3.57E-06	1.11E-02	2.57E-01	7.15E-02	2.40E-01	2.33E-01	3.49E+00
2531	497414.44	3858351.52	0.29911	0.14111	0.14104	0.21275	0.55754	0.49361	0.13949	0.14111	3.07E+00	6.35E-02	3.58E-06	1.10E-02	2.57E-01	6.82E-02	2.41E-01	2.34E-01	3.47E+00
2532	497464.44	3858351.52	0.29804	0.14253	0.14147	0.21172	0.55824	0.47134	0.14093	0.14253	3.06E+00	6.41E-02	3.59E-06	1.10E-02	2.57E-01	6.52E-02	2.43E-01	2.36E-01	3.46E+00
2533	497514.44	3858351.52	0.29692	0.14287	0.1419	0.21077	0.55888	0.44561	0.14127	0.14287	3.04E+00	6.43E-02	3.60E-06	1.09E-02	2.58E-01	6.16E-02	2.44E-01	2.37E-01	3.45E+00
2534	497564.44	3858351.52	0.29564	0.14079	0.14232	0.20986	0.55937	0.43621	0.13918	0.14079	3.03E+00	6.34E-02	3.61E-06	1.09E-02	2.58E-01	6.03E-02	2.40E-01	2.33E-01	3.43E+00
2535	497614.44	3858351.52	0.29454	0.14123	0.14273	0.20913	0.55992	0.43138	0.13962	0.14123	3.02E+00	6.36E-02	3.62E-06	1.08E-02	2.58E-01	5.96E-02	2.41E-01	2.34E-01	3.42E+00
2536	497364.44	3858401.52	0.3055	0.13535	0.14443	0.20654	0.53894	0.47711	0.13398	0.13535	3.13E+00	6.09E-02	3.66E-06	1.07E-02	2.48E-01	6.60E-02	2.31E-01	2.24E-01	3.53E+00
2537	497414.44	3858401.52	0.30432	0.13838	0.14492	0.20504	0.54466	0.47756	0.13704	0.13838	3.12E+00	6.23E-02	3.68E-06	1.06E-02	2.51E-01	6.60E-02	2.37E-01	2.29E-01	3.52E+00
2538	497464.44	3858401.52	0.3032	0.13918	0.14538	0.20358	0.53996	0.46323	0.13785	0.13918	3.11E+00	6.26E-02	3.69E-06	1.05E-02	2.49E-01	6.40E-02	2.38E-01	2.31E-01	3.50E+00
2539	497514.44	3858401.52	0.30216	0.14061	0.14584	0.20238	0.53802	0.46496	0.13928	0.14061	3.10E+00	6.33E-02	3.70E-06	1.05E-02	2.48E-01	6.43E-02	2.40E-01	2.33E-01	3.49E+00
2540	497564.44	3858401.52	0.30138	0.14544	0.14627	0.20158	0.548	0.48392	0.14414	0.14544	3.09E+00	6.55E-02	3.71E-06	1.04E-02	2.53E-01	6.69E-02	2.49E-01	2.41E-01	3.49E+00
2541	497614.44	3858401.52	0.30075	0.14952	0.14667	0.20088	0.55339	0.50358	0.14825	0.14952	3.08E+00	6.73E-02	3.72E-06	1.04E-02	2.55E-01	6.96E-02	2.56E-01	2.48E-01	3.49E+00
2542	493478.11	3860497.94	0.5524	0.53845	0.98503	1.02994	2.28619	2.21344	0.53708	0.53845	5.66E+00	2.42E-01	2.50E-05	5.33E-02	1.05E+00	3.06E-01	9.27E-01	8.92E-01	7.35E+00
2543	493528.11	3860497.94	0.54439	0.52686	0.97991	0.98822	2.24807	2.06421	0.52502	0.52686	5.58E+00	2.37E-01	2.49E-05	5.12E-02	1.04E+00	2.85E-01	9.06E-01	8.73E-01	7.23E+00
2544	493478.11	3860547.94	0.5588	0.55032	0.92425	1.06868	2.27378	2.97319	0.55163	0.55032	5.73E+00	2.48E-01	2.34E-05	5.53E-02	1.05E+00	4.11E-01	9.52E-01	9.12E-01	7.53E+00
2545	493528.11	3860547.94	0.54963	0.54112	0.92315	1.04034	2.24694	2.70891	0.54129	0.54112	5.64E+00	2.44E-01	2.34E-05	5.39E-02	1.04E+00	3.75E-01	9.35E-01	8.97E-01	7.38E+00
2546	493478.11	3860597.94	0.56749	0.55363	0.94808	1.02619	2.23901	4.5028	0.55728	0.55363	5.82E+00	2.49E-01	2.41E-05	5.31E-02	1.03E+00	6.23E-01	9.62E-01	9.17E-01	7.82E+00
2547	493528.11	3860597.94	0.55743	0.54581	0.92616	1.0196	2.22635	3.86886	0.54962	0.54581	5.72E+00	2.46E-01	2.35E-05	5.28E-02	1.03E+00	5.35E-01	9.49E-01	9.04E-01	7.62E+00
2548	493561.88	3860524.64	0.54195	0.52733	0.95345	0.99922	2.22725	2.25451	0.52644	0.52733	5.56E+00	2.37E-01	2.42E-05	5.17E-02	1.03E+00	3.12E-01	9.09E-01	8.74E-01	7.22E+00
2549	493591.88	3860524.64	0.5383	0.51823	0.95725	0.97754	2.20762	2.14132	0.51704	0.51823	5.52E+00	2.33E-01	2.43E-05	5.06E-02	1.02E+00	2.96E-01	8.93E-01	8.59E-01	7.15E+00
2550	493561.88	3860554.64	0.54507	0.53499	0.91751	1.02338	2.22709	2.64344	0.53532	0.53499	5.59E+00	2.41E-01	2.33E-05	5.30E-02	1.03E+00	3.65E-01	9.24E-01	8.86E-01	7.31E+00
2551	493591.88	3860554.64	0.54175	0.52612	0.92748	1.00741	2.21467	2.51479	0.5258	0.52612	5.56E+00	2.37E-01	2.35E-05	5.22E-02	1.02E+00	3.48E-01	9.08E-01	8.72E-01	7.25E+00
2552	492880.5	3860293.11	0.61637	0.6552	1.12333	1.46551	2.54225	1.99104	0.6518	0.6552	6.32E+00	2.95E-01	2.85E-05	7.59E-02	1.17E+00	2.75E-01	1.13E+00	1.09E+00	8.18E+00
2553	492930.5	3860293.11	0.60913	0.6309	1.13083	1.43181	2.55941	1.86868	0.62728	0.6309	6.25E+00	2.84E-01	2.87E-05	7.41E-02	1.18E+00	2.58E-01	1.08E+00	1.05E+00	8.08E+00
2554	492980.5	3860293.11	0.60282	0.60665	1.11923	1.431	2.56715	1.70405	0.60289	0.60665	6.18E+00	2.73E-01	2.84E-05	7.41E-02	1.18E+00	2.36E-01	1.04E+00	1.01E+00	7.98E+00
2555	493030.5	3860293.11	0.6037	0.62299	1.06463	1.4372	2.59207	1.47897	0.62326	0.62299	6.19E+00	2.80E-01	2.70E-05	7.44E-02	1.19E+00	2.04E-01	1.08E+00	1.03E+00	7.99E+00
2556	493080.5	3860293.11	0.60719	0.59316	1.00249	1.43181	2.60648	1.27515	0.59517	0.59316	6.23E+00	2.67E-01	2.54E-05	7.41E-02	1.20E+00	1.76E-01	1.03E+00	9.83E-01	7.99E+00
2557	493130.5	3860293.11	0.59135	0.5861	1.00036	1.34908	2.54571	1.28202	0.5864	0.5861	6.06E+00	2.64E-01	2.54E-05	6.98E-02	1.17E+00	1.77E-01	1.01E+00	9.71E-01	7.79E+00
2558	493180.5	3860293.11	0.57775	0.5612	0.99759	1.24839	2.48087	1.30324	0.55967	0.5612	5.92E+00	2.53E-01	2.53E-05	6.46E-02	1.14E+00	1.80E-01	9.66E-01	9.30E-01	7.60E+00
2559	493230.5	3860293.11	0.56928	0.53966	1.02136	1.18413	2.42586	1.2908	0.53709	0.53966	5.84E+00	2.43E-01	2.59E-05	6.13E-02	1.12E+00	1.78E-01	9.27E-01	8.94E-01	7.47E+00
2560	493280.5	3860293.11	0.56676	0.52978	1.02621	1.16661	2.38404	1.17005	0.52803	0.52978	5.81E+00	2.38E-01	2.60E-05	6.04E-02	1.10E+00	1.62E-01	9.12E-01	8.78E-01	7.40E+00
2561	493330.5	3860293.11	0.56394	0.51044	1.03739	1.13014	2.32605	1.09642	0.50838	0.51044	5.78E+00	2.30E-01	2.63E-05	5.85E-02	1.07E+00	1.52E-01	8.78E-01	8.46E-01	7.33E+00

2562	493380.5	3860293.11	0.56288	0.49234	1.04917	1.0876	2.25748	1.05328	0.48962	0.49234	5.77E+00	2.22E-01	2.66E-05	5.63E-02	1.04E+00	1.46E-01	8.45E-01	8.16E-01	7.27E+00
2563	492880.5	3860343.11	0.62545	0.67992	1.07427	1.38482	2.44256	2.60138	0.67724	0.67992	6.41E+00	3.06E-01	2.73E-05	7.17E-02	1.13E+00	3.60E-01	1.17E+00	1.13E+00	8.32E+00
2564	492930.5	3860343.11	0.6163	0.66081	1.08314	1.31601	2.47297	2.38373	0.6579	0.66081	6.32E+00	2.97E-01	2.75E-05	6.81E-02	1.14E+00	3.30E-01	1.14E+00	1.09E+00	8.20E+00
2565	492980.5	3860343.11	0.6162	0.63948	1.12116	1.40972	2.53228	2.15984	0.63321	0.63948	6.32E+00	2.88E-01	2.84E-05	7.30E-02	1.17E+00	2.99E-01	1.09E+00	1.06E+00	8.18E+00
2566	493030.5	3860343.11	0.60742	0.62567	1.1094	1.39939	2.53776	1.98105	0.619	0.62567	6.23E+00	2.82E-01	2.81E-05	7.24E-02	1.17E+00	2.74E-01	1.07E+00	1.04E+00	8.06E+00
2567	493080.5	3860343.11	0.60839	0.63614	1.06926	1.44583	2.56788	1.71202	0.63599	0.63614	6.24E+00	2.86E-01	2.71E-05	7.48E-02	1.18E+00	2.37E-01	1.10E+00	1.05E+00	8.06E+00
2568	493130.5	3860343.11	0.59727	0.62325	1.05971	1.39983	2.54068	1.62505	0.62328	0.62325	6.12E+00	2.80E-01	2.69E-05	7.25E-02	1.17E+00	2.25E-01	1.08E+00	1.03E+00	7.92E+00
2569	493180.5	3860343.11	0.58216	0.58285	1.06264	1.30893	2.48713	1.57667	0.57632	0.58285	5.97E+00	2.62E-01	2.70E-05	6.78E-02	1.15E+00	2.18E-01	9.95E-01	9.66E-01	7.69E+00
2570	493230.5	3860343.11	0.57386	0.56341	1.04501	1.26448	2.44901	1.48404	0.5578	0.56341	5.88E+00	2.54E-01	2.65E-05	6.55E-02	1.13E+00	2.05E-01	9.63E-01	9.34E-01	7.57E+00
2571	493280.5	3860343.11	0.57092	0.56581	1.00798	1.26327	2.4231	1.35585	0.56432	0.56581	5.85E+00	2.55E-01	2.56E-05	6.54E-02	1.12E+00	1.87E-01	9.74E-01	9.38E-01	7.52E+00
2572	493330.5	3860343.11	0.56659	0.55182	0.97432	1.24371	2.38237	1.24148	0.55085	0.55182	5.81E+00	2.48E-01	2.47E-05	6.44E-02	1.10E+00	1.72E-01	9.51E-01	9.14E-01	7.43E+00
2573	493380.5	3860343.11	0.56001	0.53463	0.94835	1.20144	2.32516	1.15163	0.53349	0.53463	5.74E+00	2.41E-01	2.41E-05	6.22E-02	1.07E+00	1.59E-01	9.21E-01	8.86E-01	7.31E+00
2574	492880.5	3860393.11	0.63777	0.69049	1.08084	1.46506	2.31877	3.69173	0.68933	0.69049	6.54E+00	3.11E-01	2.74E-05	7.58E-02	1.07E+00	5.10E-01	1.19E+00	1.14E+00	8.55E+00
2575	492930.5	3860393.11	0.62821	0.67001	1.06272	1.42114	2.37116	3.28183	0.66825	0.67001	6.44E+00	3.02E-01	2.70E-05	7.36E-02	1.09E+00	4.54E-01	1.15E+00	1.11E+00	8.41E+00
2576	492980.5	3860393.11	0.62178	0.64491	1.0605	1.36831	2.42467	2.8819	0.64218	0.64491	6.38E+00	2.90E-01	2.69E-05	7.08E-02	1.12E+00	3.98E-01	1.11E+00	1.07E+00	8.29E+00
2577	493030.5	3860393.11	0.6146	0.62946	1.09456	1.31315	2.45984	2.59405	0.62721	0.62946	6.30E+00	2.83E-01	2.78E-05	6.80E-02	1.13E+00	3.59E-01	1.08E+00	1.04E+00	8.19E+00
2578	493080.5	3860393.11	0.61409	0.65198	1.07568	1.28691	2.50799	2.28531	0.64963	0.65198	6.30E+00	2.93E-01	2.73E-05	6.66E-02	1.16E+00	3.16E-01	1.12E+00	1.08E+00	8.17E+00
2579	493130.5	3860393.11	0.60095	0.62604	1.08059	1.23895	2.49264	2.16068	0.61943	0.62604	6.16E+00	2.82E-01	2.74E-05	6.41E-02	1.15E+00	2.99E-01	1.07E+00	1.04E+00	7.99E+00
2580	493180.5	3860393.11	0.58645	0.58998	1.0852	1.18002	2.45834	2.02979	0.58773	0.58998	6.01E+00	2.66E-01	2.75E-05	6.11E-02	1.13E+00	2.81E-01	1.01E+00	9.78E-01	7.79E+00
2581	493230.5	3860393.11	0.57882	0.57375	1.07448	1.19486	2.44209	1.88631	0.57083	0.57375	5.94E+00	2.58E-01	2.73E-05	6.19E-02	1.13E+00	2.61E-01	9.86E-01	9.51E-01	7.68E+00
2582	493280.5	3860393.11	0.57573	0.58705	1.05118	1.23426	2.4349	1.72899	0.58156	0.58705	5.90E+00	2.64E-01	2.67E-05	6.39E-02	1.12E+00	2.39E-01	1.00E+00	9.73E-01	7.62E+00
2583	493330.5	3860393.11	0.57095	0.57929	1.02867	1.23872	2.40907	1.58913	0.57742	0.57929	5.85E+00	2.61E-01	2.61E-05	6.41E-02	1.11E+00	2.20E-01	9.97E-01	9.60E-01	7.55E+00
2584	493380.5	3860393.11	0.56454	0.56404	1.00896	1.22503	2.36783	1.47837	0.56247	0.56404	5.79E+00	2.54E-01	2.56E-05	6.34E-02	1.09E+00	2.04E-01	9.71E-01	9.35E-01	7.44E+00
2585	492880.5	3860443.11	0.65527	0.70739	1.10108	1.35255	2.18226	6.68996	0.6983	0.70739	6.72E+00	3.18E-01	2.79E-05	7.00E-02	1.01E+00	9.25E-01	1.21E+00	1.17E+00	9.07E+00
2586	492930.5	3860443.11	0.6415	0.68819	1.08401	1.35994	2.23649	5.20272	0.67813	0.68819	6.58E+00	3.10E-01	2.75E-05	7.04E-02	1.03E+00	7.19E-01	1.17E+00	1.14E+00	8.74E+00
2587	492980.5	3860443.11	0.63193	0.65259	1.07565	1.36213	2.29834	4.43733	0.65256	0.65259	6.48E+00	2.94E-01	2.73E-05	7.05E-02	1.06E+00	6.13E-01	1.13E+00	1.08E+00	8.56E+00
2588	493030.5	3860443.11	0.62348	0.63682	1.0645	1.34419	2.35103	3.77439	0.6359	0.63682	6.39E+00	2.87E-01	2.70E-05	6.96E-02	1.08E+00	5.22E-01	1.10E+00	1.06E+00	8.40E+00
2589	493080.5	3860443.11	0.61348	0.62328	1.04216	1.31043	2.38231	3.2816	0.62183	0.62328	6.29E+00	2.81E-01	2.64E-05	6.78E-02	1.10E+00	4.54E-01	1.07E+00	1.03E+00	8.23E+00
2590	493130.5	3860443.11	0.60432	0.61356	1.02716	1.26853	2.40471	2.91673	0.6123	0.61356	6.20E+00	2.76E-01	2.61E-05	6.57E-02	1.11E+00	4.03E-01	1.06E+00	1.02E+00	8.09E+00
2591	493180.5	3860443.11	0.59073	0.60729	1.00676	1.21927	2.3925	2.75485	0.60529	0.60729	6.06E+00	2.73E-01	2.55E-05	6.31E-02	1.10E+00	3.81E-01	1.05E+00	1.01E+00	7.92E+00
2592	493230.5	3860443.11	0.58642	0.58969	1.04667	1.17328	2.41292	2.39784	0.58726	0.58969	6.01E+00	2.65E-01	2.66E-05	6.07E-02	1.11E+00	3.32E-01	1.01E+00	9.77E-01	7.82E+00
2593	493280.5	3860443.11	0.58029	0.57591	1.05337	1.13511	2.41279	2.17309	0.57403	0.57591	5.95E+00	2.59E-01	2.67E-05	5.88E-02	1.11E+00	3.00E-01	9.91E-01	9.54E-01	7.72E+00
2594	493330.5	3860443.11	0.57662	0.58537	1.04089	1.09443	2.41017	2.02267	0.58052	0.58537	5.91E+00	2.63E-01	2.64E-05	5.67E-02	1.11E+00	2.80E-01	1.00E+00	9.70E-01	7.66E+00
2595	493380.5	3860443.11	0.56787	0.5642	1.03541	1.09483	2.37727	1.89722	0.55919	0.5642	5.82E+00	2.54E-01	2.63E-05	5.67E-02	1.10E+00	2.62E-01	9.65E-01	9.35E-01	7.52E+00
2596	493180.5	3860493.11	0.60209	0.61024	1.01894	1.22458	2.32419	3.95327	0.61081	0.61024	6.17E+00	2.75E-01	2.58E-05	6.34E-02	1.07E+00	5.47E-01	1.05E+00	1.01E+00	8.17E+00
2597	493230.5	3860493.11	0.59437	0.59609	1.00426	1.20557	2.34995	3.42887	0.59597	0.59609	6.09E+00	2.68E-01	2.55E-05	6.24E-02	1.08E+00	4.74E-01	1.03E+00	9.88E-01	8.02E+00
2598	493280.5	3860493.11	0.58769	0.58606	0.99228	1.17734	2.36769	3.01925	0.58527	0.58606	6.03E+00	2.64E-01	2.52E-05	6.09E-02	1.09E+00	4.17E-01	1.01E+00	9.71E-01	7.90E+00
2599	493330.5	3860493.11	0.58046	0.57269	1.013	1.15143	2.37058	2.6413	0.57209	0.57269	5.95E+00	2.58E-01	2.57E-05	5.96E-02	1.09E+00	3.65E-01	9.88E-01	9.49E-01	7.77E+00
2600	493380.5	3860493.11	0.57093	0.56012	1.01137	1.10758	2.35294	2.43641	0.55912	0.56012	5.85E+00	2.52E-01	2.57E-05	5.73E-02	1.08E+00	3.37E-01	9.65E-01	9.28E-01	7.62E+00
2601	493330.5	3860543.11	0.58884	0.57545	0.99765	1.12737	2.3155	4.00092	0.57704	0.57545	6.04E+00	2.59E-01	2.53E-05	5.84E-02	1.07E+00	5.53E-01	9.96E-01	9.53E-01	8.02E+00
2602	493380.5	3860543.11	0.57806	0.56563	0.97323	1.11372	2.31135	3.50984	0.56728	0.56563	5.93E+00	2.55E-01	2.47E-05	5.77E-02	1.07E+00	4.85E-01	9.79E-01	9.37E-01	7.83E+00
2603	494135.94	3860876.85	0.50553	0.52566	0.77765	0.80297	1.92447	3.89986	0.49522	0.52566	5.18E+00	2.37E-01	1.97E-05	4.16E-02	8.87E-01	5.39E-01	8.55E-01	8.71E-01	6.87E+00
2604	494185.94	3860876.85	0.49835	0.51328	0.77225	0.78663	1.8983	4.62121	0.49044	0.51328	5.11E+00	2.31E-01	1.96E-05	4.07E-02	8.75E-01	6.39E-01	8.47E-01	8.50E-01	6.89E+00
2605	494135.94	3860926.85	0.51304	0.55209	0.75263	0.82973	1.91153	2.64388	0.51535	0.55209	5.26E+00	2.48E-01	1.91E-05	4.30E-02	8.81E-01	3.66E-01	8.90E-01	9.15E-01	6.77E+00
2606	494185.94	3860926.85	0.50544	0.54268	0.75	0.78859	1.89716	2.88219	0.50189	0.54268	5.18E+00	2.44E-01	1.90E-05	4.08E-02	8.74E-01	3.98E-01	8.67E-01	8.99E-01	6.71E+00
2607	494135.94	3860976.85	0.52193	0.57847	0.7939	0.89608	1.88338	2.11162	0.54156	0.57847	5.35E+00	2.60E-01	2.01E-05	4.64E-02	8.68E-01	2.92E-01	9.35E-01	9.58E-01	6.80E+00
2608	494185.94	3860976.85	0.51375	0.57036	0.77064	0.85696	1.87958	2.23779	0.52773	0.57036	5.27E+00	2.57E-01	1.95E-05	4.44E-02	8.66E-01	3.09E-01	9.11E-01	9.45E-01	6.71E+00
2609	494135.94	3861026.85	0.53106	0.60107	0.82954	0.94041	1.83739	1.78049	0.5722	0.60107	5.45E+00	2.71E-01	2.10E-05	4.87E-02	8.47E-01	2.46E-01	9.88E-01	9.96E-01	6.85E+00
2610	494185.94	3861026.85	0.52251	0.59531	0.80799	0.9091	1.84417	1.86464	0.55902	0.59531	5.36E+00	2.68E-01	2.05E-05	4.71E-02	8.50E-01	2.58E-01	9.65E-01	9.86E-01	6.76E+00
2611	494135.94	3861076.85	0.54013	0.6309	0.8591	0.95442	1.7779	1.54974	0.60405	0.6309	5.54E+00	2.84E-01	2.18E-05	4.94E-02	8.19E-01	2.14E-01	1.04E+00	1.05E+00	6.90E+00
2612	494185.94	3861076.85	0.53127	0.62498	0.83933	0.93451	1.79334	1.61023	0.59578	0.62498	5.45E+00	2.81E-01	2.13E-05	4.84E-02	8.26E-01	2.23E-01	1.03E+00	1.04E+00	6.82E+00
2613	490360.04	3858710.04	0.93557	0.4999	2.65037	2.0728	5.79224	1.09358	0.52543	0.4999	9.59E+00	2.25E-01	6.72E-05	1.07E-01	2.67E+00	1.51E-01	9.07E-01	8.28E-01	1.28E+01
2614	490410.04	3858710.04	0.93389	0.48034	2.89686	2.06809	5.64755	1.05007	0.50844	0.48034	9.58E+00	2.16E-01	7.35E-05	1.07E-01	2.60E+00	1.45E-01	8.78E-01	7.96E-01	1.27E+01
2615	490460.04	3858710.04	0.93548	0.45783	2.88422	1.97995	5.48886	0.99231	0.48719	0.45783	9.59E+00	2.06E-01	7.32E-05	1.02E-01	2.53E+00	1.37E-01	8.41E-01	7.59E-01	1.27E+01
2616	490510.04	3858710.04	0.93379	0.44386	2.37465	1.77841	5.26982	0.95093	0.47074	0.44386	9.58E+00	2.00E-01	6.02E-05	9.21E-02	2.43E+00	1.31E-01	8.13E-01	7.35E-01	1.25E+01
2617	490560.04	3858710.04	0.93117	0.43551	1.93053	1.91209	5.01912	0.91574	0.45698	0.43551	9.55E+00	1.96E-01	4.90E-05	9.90E-02	2.31E+00	1.27E-01	7.89E-01	7.22E-01	1.24E+01
2618	490610.04	3858710.04	0.92916	0.42819	2.30031	2.15029	4.7521	0.87864	0.44913	0.42819	9.53E+00	1.93E-01	5.84E-05	1.11E-01	2.19E+00	1.21E-01	7.75E-01	7.09E-01	1.22E+01

2619	490660.04	3858710.04	0.92434	0.42528	2.31016	2.16367	4.45874	0.85839	0.43988	0.42528	9.48E+00	1.91E-01	5.86E-05	1.12E-01	2.05E+00	1.19E-01	7.59E-01	7.05E-01	1.20E+01
2620	490710.04	3858710.04	0.92442	0.4145	2.05401	2.00131	4.17833	0.81336	0.43329	0.4145	9.48E+00	1.87E-01	5.21E-05	1.04E-01	1.93E+00	1.12E-01	7.48E-01	6.87E-01	1.19E+01
2621	490760.04	3858710.04	0.9234	0.40482	2.02511	1.79383	3.88773	0.77537	0.42496	0.40482	9.47E+00	1.82E-01	5.14E-05	9.29E-02	1.79E+00	1.07E-01	7.34E-01	6.71E-01	1.17E+01
2622	490810.04	3858710.04	0.92246	0.3947	1.79905	1.7005	3.74554	0.73838	0.41643	0.3947	9.46E+00	1.78E-01	4.56E-05	8.80E-02	1.73E+00	1.02E-01	7.19E-01	6.54E-01	1.16E+01
2623	490860.04	3858710.04	0.92349	0.38071	1.96985	1.6205	3.76584	0.69154	0.40882	0.38071	9.47E+00	1.71E-01	5.00E-05	8.39E-02	1.74E+00	9.56E-02	7.06E-01	6.31E-01	1.16E+01
2624	490360.04	3858760.04	0.94163	0.51488	3.05566	1.96082	5.8202	1.11103	0.5398	0.51488	9.66E+00	2.32E-01	7.75E-05	1.02E-01	2.68E+00	1.54E-01	9.32E-01	8.53E-01	1.29E+01
2625	490410.04	3858760.04	0.94099	0.49938	3.01301	1.86649	5.75628	1.06437	0.52124	0.49938	9.65E+00	2.25E-01	7.64E-05	9.66E-02	2.65E+00	1.47E-01	9.00E-01	8.27E-01	1.28E+01
2626	490460.04	3858760.04	0.94133	0.48112	2.48302	1.68265	5.65403	1.01332	0.50133	0.48112	9.65E+00	2.17E-01	6.30E-05	8.71E-02	2.61E+00	1.40E-01	8.66E-01	7.97E-01	1.28E+01
2627	490510.04	3858760.04	0.94205	0.45816	2.09368	1.73012	5.51152	0.9599	0.48097	0.45816	9.66E+00	2.06E-01	5.31E-05	8.96E-02	2.54E+00	1.33E-01	8.30E-01	7.59E-01	1.27E+01
2628	490560.04	3858760.04	0.94069	0.43647	2.44411	1.96697	5.31916	0.91788	0.46986	0.43647	9.65E+00	1.96E-01	6.20E-05	1.02E-01	2.45E+00	1.27E-01	8.11E-01	7.23E-01	1.26E+01
2629	490610.04	3858760.04	0.94003	0.4262	2.38143	2.05023	5.10139	0.87304	0.46231	0.4262	9.64E+00	1.92E-01	6.04E-05	1.06E-01	2.35E+00	1.21E-01	7.98E-01	7.06E-01	1.25E+01
2630	490660.04	3858760.04	0.93856	0.41682	2.22508	1.89332	4.85598	0.8337	0.45377	0.41682	9.62E+00	1.88E-01	5.64E-05	9.80E-02	2.24E+00	1.15E-01	7.83E-01	6.91E-01	1.24E+01
2631	490710.04	3858760.04	0.93725	0.40728	2.07926	1.81176	4.59355	0.79476	0.44549	0.40728	9.61E+00	1.83E-01	5.27E-05	9.38E-02	2.12E+00	1.10E-01	7.69E-01	6.75E-01	1.22E+01
2632	490760.04	3858760.04	0.93741	0.39435	2.08255	1.61194	4.32252	0.7486	0.43715	0.39435	9.61E+00	1.77E-01	5.28E-05	8.34E-02	1.99E+00	1.03E-01	7.55E-01	6.53E-01	1.21E+01
2633	490810.04	3858760.04	0.93704	0.38289	2.19724	1.55967	4.04164	0.70684	0.42839	0.38289	9.61E+00	1.72E-01	5.57E-05	8.07E-02	1.86E+00	9.77E-02	7.40E-01	6.34E-01	1.19E+01
2634	490860.04	3858760.04	0.93572	0.37372	2.3182	1.52682	3.76033	0.67219	0.42161	0.37372	9.59E+00	1.68E-01	5.88E-05	7.90E-02	1.73E+00	9.29E-02	7.28E-01	6.19E-01	1.18E+01
2635	490360.04	3858810.04	0.94845	0.53649	3.15437	1.7858	5.73257	1.10591	0.55363	0.53649	9.73E+00	2.41E-01	8.00E-05	9.24E-02	2.64E+00	1.53E-01	9.56E-01	8.89E-01	1.29E+01
2636	490410.04	3858810.04	0.9487	0.51604	2.58802	1.64762	5.74843	1.05731	0.53325	0.51604	9.73E+00	2.32E-01	6.57E-05	8.53E-02	2.65E+00	1.46E-01	9.21E-01	8.55E-01	1.29E+01
2637	490460.04	3858810.04	0.94935	0.49562	2.25671	1.62342	5.71726	1.00616	0.51229	0.49562	9.73E+00	2.23E-01	5.72E-05	8.40E-02	2.63E+00	1.39E-01	8.84E-01	8.21E-01	1.29E+01
2638	490510.04	3858810.04	0.94782	0.47974	2.56236	1.79663	5.62556	0.96638	0.49509	0.47974	9.72E+00	2.16E-01	6.50E-05	9.30E-02	2.59E+00	1.34E-01	8.55E-01	7.95E-01	1.28E+01
2639	490560.04	3858810.04	0.94686	0.45804	2.39702	1.91516	5.49764	0.92378	0.48263	0.45804	9.71E+00	2.06E-01	6.08E-05	9.91E-02	2.53E+00	1.28E-01	8.33E-01	7.59E-01	1.28E+01
2640	490610.04	3858810.04	0.94836	0.42592	2.39314	1.82479	5.34546	0.86813	0.4753	0.42592	9.72E+00	1.92E-01	6.07E-05	9.45E-02	2.46E+00	1.20E-01	8.21E-01	7.06E-01	1.27E+01
2641	490660.04	3858810.04	0.94791	0.41416	2.1594	1.78504	5.15102	0.8237	0.46749	0.41416	9.72E+00	1.86E-01	5.48E-05	9.24E-02	2.37E+00	1.14E-01	8.07E-01	6.86E-01	1.26E+01
2642	490710.04	3858810.04	0.94832	0.40059	2.37474	1.55151	4.93297	0.77515	0.4598	0.40059	9.72E+00	1.80E-01	6.02E-05	8.03E-02	2.27E+00	1.07E-01	7.94E-01	6.64E-01	1.25E+01
2643	490760.04	3858810.04	0.95091	0.38222	2.47026	1.48606	4.69763	0.71493	0.45071	0.38222	9.75E+00	1.72E-01	6.27E-05	7.69E-02	2.16E+00	9.88E-02	7.78E-01	6.33E-01	1.24E+01
2644	490810.04	3858810.04	0.94745	0.37739	2.44677	1.46828	4.43238	0.69142	0.44324	0.37739	9.72E+00	1.70E-01	6.21E-05	7.60E-02	2.04E+00	9.56E-02	7.65E-01	6.25E-01	1.22E+01
2645	490860.04	3858810.04	0.94799	0.36397	2.14071	1.43233	4.16463	0.67139	0.43633	0.36397	9.72E+00	1.64E-01	5.43E-05	7.41E-02	1.92E+00	9.28E-02	7.53E-01	6.03E-01	1.21E+01
2646	490360.04	3858860.04	0.95525	0.55019	2.69707	1.66971	5.532	1.0754	0.56642	0.55019	9.80E+00	2.48E-01	6.84E-05	8.64E-02	2.55E+00	1.49E-01	9.78E-01	9.12E-01	1.29E+01
2647	490410.04	3858860.04	0.95239	0.53681	2.4004	1.63059	5.5927	1.04528	0.55085	0.53681	9.77E+00	2.42E-01	6.09E-05	8.44E-02	2.58E+00	1.45E-01	9.51E-01	8.89E-01	1.29E+01
2648	490460.04	3858860.04	0.95462	0.51023	2.67968	1.65075	5.64441	0.98923	0.52669	0.51023	9.79E+00	2.30E-01	6.80E-05	8.55E-02	2.60E+00	1.37E-01	9.09E-01	8.45E-01	1.29E+01
2649	490510.04	3858860.04	0.95149	0.50076	2.61782	1.78503	5.61287	0.96134	0.5122	0.50076	9.76E+00	2.25E-01	6.64E-05	9.24E-02	2.59E+00	1.33E-01	8.84E-01	8.30E-01	1.28E+01
2650	490560.04	3858860.04	0.95255	0.47414	2.5353	1.75897	5.56426	0.91066	0.49791	0.47414	9.77E+00	2.13E-01	6.43E-05	9.11E-02	2.56E+00	1.26E-01	8.60E-01	7.86E-01	1.28E+01
2651	490610.04	3858860.04	0.95667	0.43359	2.55922	1.7307	5.48568	0.84278	0.49284	0.43359	9.81E+00	1.95E-01	6.49E-05	8.96E-02	2.53E+00	1.17E-01	8.51E-01	7.18E-01	1.29E+01
2652	490660.04	3858860.04	0.9564	0.40906	2.65703	1.59579	5.34725	0.79992	0.48426	0.40906	9.81E+00	1.84E-01	6.74E-05	8.26E-02	2.46E+00	1.11E-01	8.36E-01	6.78E-01	1.28E+01
2653	490710.04	3858860.04	0.95433	0.40106	2.74608	1.44879	5.17084	0.76798	0.47404	0.40106	9.79E+00	1.80E-01	6.97E-05	7.50E-02	2.38E+00	1.06E-01	8.18E-01	6.65E-01	1.27E+01
2654	490760.04	3858860.04	0.95701	0.38227	2.46482	1.40902	4.97983	0.70949	0.46523	0.38227	9.81E+00	1.72E-01	6.25E-05	7.29E-02	2.29E+00	9.81E-02	8.03E-01	6.33E-01	1.26E+01
2655	490810.04	3858860.04	0.95877	0.36555	2.02011	1.37047	4.76026	0.69044	0.46027	0.36555	9.83E+00	1.65E-01	5.12E-05	7.09E-02	2.19E+00	9.55E-02	7.95E-01	6.06E-01	1.25E+01
2656	490860.04	3858860.04	0.96074	0.34872	2.01847	1.32848	4.5161	0.67807	0.45417	0.34872	9.85E+00	1.57E-01	5.12E-05	6.88E-02	2.08E+00	9.37E-02	7.84E-01	5.78E-01	1.25E+01
2657	490360.04	3858910.04	0.95151	0.58434	2.52108	1.6748	5.15447	1.13792	0.59525	0.58434	9.76E+00	2.63E-01	6.40E-05	8.67E-02	2.38E+00	1.57E-01	1.03E+00	9.68E-01	1.27E+01
2658	490410.04	3858910.04	0.95198	0.55964	2.68518	1.62783	5.30821	1.09181	0.57392	0.55964	9.76E+00	2.52E-01	6.81E-05	8.43E-02	2.45E+00	1.51E-01	9.91E-01	9.27E-01	1.28E+01
2659	490460.04	3858910.04	0.95325	0.53505	2.88778	1.66421	5.42204	1.04182	0.5512	0.53505	9.77E+00	2.41E-01	7.33E-05	8.62E-02	2.50E+00	1.44E-01	9.52E-01	8.87E-01	1.28E+01
2660	490510.04	3858910.04	0.95528	0.50913	2.70063	1.68609	5.49323	0.98763	0.52767	0.50913	9.80E+00	2.29E-01	6.85E-05	8.73E-02	2.53E+00	1.37E-01	9.11E-01	8.44E-01	1.28E+01
2661	490560.04	3858910.04	0.95806	0.47814	2.97154	1.66162	5.52019	0.92902	0.51557	0.47814	9.82E+00	2.15E-01	7.54E-05	8.60E-02	2.54E+00	1.28E-01	8.90E-01	7.92E-01	1.29E+01
2662	490610.04	3858910.04	0.96094	0.44339	3.01066	1.60773	5.49997	0.86912	0.50992	0.44339	9.85E+00	2.00E-01	7.64E-05	8.32E-02	2.53E+00	1.20E-01	8.80E-01	7.35E-01	1.29E+01
2663	490660.04	3858910.04	0.96156	0.41475	2.83572	1.43725	5.42757	0.8195	0.50117	0.41475	9.86E+00	1.87E-01	7.19E-05	7.44E-02	2.50E+00	1.13E-01	8.65E-01	6.87E-01	1.29E+01
2664	490710.04	3858910.04	0.9636	0.38775	2.33342	1.39017	5.32058	0.76314	0.49081	0.38775	9.88E+00	1.75E-01	5.92E-05	7.20E-02	2.45E+00	1.06E-01	8.47E-01	6.42E-01	1.29E+01
2665	490760.04	3858910.04	0.96739	0.36569	2.22826	1.33376	5.18038	0.70572	0.48582	0.36569	9.92E+00	1.65E-01	5.65E-05	6.90E-02	2.39E+00	9.76E-02	8.39E-01	6.06E-01	1.29E+01
2666	490810.04	3858910.04	0.96767	0.35291	2.10862	1.29471	5.00023	0.69532	0.47798	0.35291	9.92E+00	1.59E-01	5.35E-05	6.70E-02	2.30E+00	9.61E-02	8.25E-01	5.85E-01	1.28E+01
2667	490860.04	3858910.04	0.97134	0.33697	1.87381	1.24085	4.79007	0.6814	0.4711	0.33697	9.96E+00	1.52E-01	4.75E-05	6.42E-02	2.21E+00	9.42E-02	8.13E-01	5.58E-01	1.27E+01
2668	490360.04	3858960.04	0.97715	0.60206	3.00842	1.65613	4.72162	1.19097	0.61866	0.60206	1.00E+01	2.71E-01	7.63E-05	8.57E-02	2.18E+00	1.65E-01	1.07E+00	9.98E-01	1.28E+01
2669	490410.04	3858960.04	0.95708	0.56867	3.10962	1.60935	4.94358	1.13721	0.59306	0.56867	9.81E+00	2.56E-01	7.89E-05	8.33E-02	2.28E+00	1.57E-01	1.02E+00	9.42E-01	1.27E+01
2670	490460.04	3858960.04	0.95482	0.53425	3.27451	1.61057	5.12877	1.07837	0.56558	0.53425	9.79E+00	2.40E-01	8.31E-05	8.34E-02	2.36E+00	1.49E-01	9.76E-01	8.85E-01	1.27E+01
2671	490510.04	3858960.04	0.95717	0.50703	3.31051	1.58998	5.26268	1.02452	0.54758	0.50703	9.81E+00	2.28E-01	8.40E-05	8.23E-02	2.43E+00	1.42E-01	9.45E-01	8.40E-01	1.28E+01
2672	490560.04	3858960.04	0.95947	0.47971	3.23232	1.59784	5.35074	0.97054	0.53774	0.47971	9.84E+00	2.16E-01	8.20E-05	8.27E-02	2.47E+00	1.34E-01	9.28E-01	7.95E-01	1.29E+01
2673	490610.04	3858960.04	0.96465	0.43891	2.73295	1.44257	5.40351	0.90113	0.52927	0.43891	9.89E+00	1.98E-01	6.93E-05	7.47E-02	2.49E+00	1.25E-01	9.14E-01	7.27E-01	1.30E+01
2674	490660.04	3858960.04	0.96319	0.42089	2.48561	1.4124	5.38936	0.86561	0.51731	0.42089	9.88E+00	1.89E-01	6.31E-05	7.31E-02	2.48E+00	1.20E-01	8.93E-01	6.97E-01	1.29E+01
2675	490710.04	3858960.04	0.96803	0.38016	2.34365	1.35299	5.35139	0.79698	0.50932	0.38016	9.93E+00	1.71E-01	5.95E-05	7.00E-02	2.47E+00	1.10E-01	8.79E-01	6.30E-01	1.30E+01

2676	490760.04	3858960.04	0.9712	0.35689	2.07279	1.29648	5.26748	0.73651	0.50103	0.35689	9.96E+00	1.61E-01	5.26E-05	6.71E-02	2.43E+00	1.02E-01	8.65E-01	5.91E-01	1.30E+01
2677	490810.04	3858960.04	0.9744	0.33741	2.15008	1.24006	5.13732	0.6951	0.49239	0.33741	9.99E+00	1.52E-01	5.45E-05	6.42E-02	2.37E+00	9.61E-02	8.50E-01	5.59E-01	1.30E+01
2678	490860.04	3858960.04	0.97932	0.33073	2.27761	1.17142	4.97494	0.67976	0.48337	0.33073	1.00E+01	1.49E-01	5.78E-05	6.06E-02	2.29E+00	9.40E-02	8.35E-01	5.48E-01	1.29E+01
2679	490360.04	3859010.04	1.01094	0.61791	3.4833	1.64888	4.21929	1.23375	0.64196	0.61791	1.04E+01	2.78E-01	8.84E-05	8.54E-02	1.94E+00	1.71E-01	1.11E+00	1.02E+00	1.29E+01
2680	490410.04	3859010.04	0.99162	0.57648	3.84985	1.59405	4.49183	1.17252	0.61238	0.57648	1.02E+01	2.59E-01	9.77E-05	8.25E-02	2.07E+00	1.62E-01	1.06E+00	9.55E-01	1.28E+01
2681	490460.04	3859010.04	0.97525	0.52767	3.61317	1.53664	4.73889	1.09815	0.58035	0.52767	1.00E+01	2.37E-01	9.17E-05	7.95E-02	2.18E+00	1.52E-01	1.00E+00	8.74E-01	1.28E+01
2682	490510.04	3859010.04	0.95915	0.48513	3.20249	1.568	4.94057	1.02603	0.56773	0.48513	9.84E+00	2.18E-01	8.12E-05	8.12E-02	2.28E+00	1.42E-01	9.80E-01	8.04E-01	1.27E+01
2683	490560.04	3859010.04	0.95928	0.46797	2.76014	1.47255	5.07869	0.98684	0.55506	0.46797	9.84E+00	2.11E-01	7.00E-05	7.62E-02	2.34E+00	1.36E-01	9.58E-01	7.75E-01	1.28E+01
2684	490610.04	3859010.04	0.96487	0.42855	2.60706	1.39795	5.19178	0.91749	0.54361	0.42855	9.89E+00	1.93E-01	6.61E-05	7.24E-02	2.39E+00	1.27E-01	9.39E-01	7.10E-01	1.29E+01
2685	490660.04	3859010.04	0.96367	0.41374	2.34152	1.37431	5.24314	0.88626	0.5321	0.41374	9.88E+00	1.86E-01	5.94E-05	7.11E-02	2.42E+00	1.23E-01	9.19E-01	6.86E-01	1.29E+01
2686	490710.04	3859010.04	0.96971	0.37127	2.60761	1.3126	5.26848	0.81329	0.5225	0.37127	9.94E+00	1.67E-01	6.61E-05	6.79E-02	2.43E+00	1.12E-01	9.02E-01	6.15E-01	1.30E+01
2687	490760.04	3859010.04	0.97431	0.34734	2.72137	1.25319	5.23933	0.74837	0.51217	0.34734	9.99E+00	1.56E-01	6.90E-05	6.49E-02	2.41E+00	1.03E-01	8.84E-01	5.76E-01	1.30E+01
2688	490810.04	3859010.04	0.97895	0.33676	2.66917	1.19042	5.1678	0.68892	0.50087	0.33676	1.00E+01	1.52E-01	6.77E-05	6.16E-02	2.38E+00	9.52E-02	8.65E-01	5.58E-01	1.30E+01
2689	490860.04	3859010.04	0.98232	0.32752	2.48952	1.1295	5.062	0.67587	0.48961	0.32752	1.01E+01	1.47E-01	6.32E-05	5.85E-02	2.33E+00	9.34E-02	8.45E-01	5.43E-01	1.30E+01
2690	490360.04	3859060.04	1.04497	0.62758	4.29201	1.65505	3.84715	1.2585	0.66009	0.62758	1.07E+01	2.82E-01	1.09E-04	8.57E-02	1.77E+00	1.74E-01	1.14E+00	1.04E+00	1.31E+01
2691	490410.04	3859060.04	1.0293	0.56541	3.71491	1.57496	4.00042	1.172	0.61855	0.56541	1.06E+01	2.54E-01	9.42E-05	8.15E-02	1.84E+00	1.62E-01	1.07E+00	9.37E-01	1.30E+01
2692	490460.04	3859060.04	1.01134	0.51829	3.0763	1.53173	4.27484	1.10204	0.59352	0.51829	1.04E+01	2.33E-01	7.80E-05	7.93E-02	1.97E+00	1.52E-01	1.02E+00	8.59E-01	1.30E+01
2693	490510.04	3859060.04	0.99273	0.48165	2.91987	1.48593	4.51201	1.04147	0.57854	0.48165	1.02E+01	2.17E-01	7.41E-05	7.69E-02	2.08E+00	1.44E-01	9.99E-01	7.98E-01	1.29E+01
2694	490560.04	3859060.04	0.97705	0.43977	2.83733	1.39018	4.71906	0.96813	0.56417	0.43977	1.00E+01	1.98E-01	7.20E-05	7.20E-02	2.17E+00	1.34E-01	9.74E-01	7.29E-01	1.28E+01
2695	490610.04	3859060.04	0.96046	0.41701	3.16618	1.35269	4.87619	0.92196	0.55232	0.41701	9.85E+00	1.88E-01	8.03E-05	7.00E-02	2.25E+00	1.27E-01	9.54E-01	6.91E-01	1.27E+01
2696	490660.04	3859060.04	0.96219	0.39497	3.25951	1.31907	4.99342	0.8789	0.54053	0.39497	9.87E+00	1.78E-01	8.27E-05	6.83E-02	2.30E+00	1.22E-01	9.33E-01	6.54E-01	1.28E+01
2697	490710.04	3859060.04	0.96913	0.3702	3.08391	1.25713	5.07184	0.8041	0.52821	0.3702	9.94E+00	1.67E-01	7.82E-05	6.51E-02	2.34E+00	1.11E-01	9.12E-01	6.13E-01	1.29E+01
2698	490760.04	3859060.04	0.97462	0.35689	2.76054	1.20264	5.10092	0.73873	0.51499	0.35689	9.99E+00	1.61E-01	7.00E-05	6.23E-02	2.35E+00	1.02E-01	8.89E-01	5.91E-01	1.30E+01
2699	490810.04	3859060.04	0.98031	0.34413	2.3531	1.13734	5.09008	0.67852	0.5012	0.34413	1.01E+01	1.55E-01	5.97E-05	5.89E-02	2.35E+00	9.38E-02	8.65E-01	5.70E-01	1.30E+01
2700	490860.04	3859060.04	0.98457	0.33293	2.54522	1.07687	5.60822	0.66481	0.4892	0.33293	1.01E+01	1.50E-01	6.46E-05	5.57E-02	2.58E+00	9.19E-02	8.45E-01	5.52E-01	1.33E+01
2701	490360.04	3859110.04	1.07481	0.6509	3.38079	1.67008	3.66262	1.29087	0.68409	0.6509	1.10E+01	2.93E-01	8.58E-05	8.65E-02	1.69E+00	1.78E-01	1.18E+00	1.08E+00	1.34E+01
2702	490410.04	3859110.04	1.05941	0.58289	3.26063	1.58064	3.75579	1.19901	0.63911	0.58289	1.09E+01	2.62E-01	8.27E-05	8.18E-02	1.73E+00	1.66E-01	1.10E+00	9.66E-01	1.32E+01
2703	490460.04	3859110.04	1.03974	0.53923	3.67492	1.51817	3.79079	1.13725	0.60722	0.53923	1.07E+01	2.43E-01	9.32E-05	7.86E-02	1.75E+00	1.57E-01	1.05E+00	8.93E-01	1.30E+01
2704	490510.04	3859110.04	1.02857	0.46489	3.89662	1.41456	4.03262	1.02549	0.58021	0.46489	1.05E+01	2.09E-01	9.88E-05	7.32E-02	1.86E+00	1.42E-01	1.00E+00	7.70E-01	1.31E+01
2705	490560.04	3859110.04	1.01119	0.43103	3.83952	1.35291	4.27357	0.9603	0.5663	0.43103	1.04E+01	1.94E-01	9.74E-05	7.00E-02	1.97E+00	1.33E-01	9.78E-01	7.14E-01	1.30E+01
2706	490610.04	3859110.04	0.99561	0.41275	3.48849	1.28849	4.48294	0.88827	0.55008	0.41275	1.02E+01	1.86E-01	8.85E-05	6.67E-02	2.07E+00	1.23E-01	9.50E-01	6.84E-01	1.29E+01
2707	490660.04	3859110.04	0.98201	0.39417	2.95338	1.22148	4.64745	0.80871	0.5338	0.39417	1.01E+01	1.77E-01	7.49E-05	6.32E-02	2.14E+00	1.12E-01	9.22E-01	6.53E-01	1.28E+01
2708	490710.04	3859110.04	0.96669	0.38115	3.31988	1.18722	4.77319	0.76537	0.52235	0.38115	9.91E+00	1.72E-01	8.42E-05	6.15E-02	2.20E+00	1.06E-01	9.02E-01	6.32E-01	1.27E+01
2709	490760.04	3859110.04	0.97193	0.36681	3.41788	1.13633	4.86052	0.70752	0.50856	0.36681	9.97E+00	1.65E-01	8.67E-05	5.88E-02	2.24E+00	9.78E-02	8.78E-01	6.08E-01	1.28E+01
2710	490810.04	3859110.04	0.97921	0.3514	3.25453	1.07194	5.42692	0.6641	0.49554	0.3514	1.00E+01	1.58E-01	8.26E-05	5.55E-02	2.50E+00	9.18E-02	8.56E-01	5.82E-01	1.31E+01
2711	490860.04	3859110.04	0.98588	0.33726	2.96038	1.00656	5.57027	0.6468	0.4817	0.33726	1.01E+01	1.52E-01	7.51E-05	5.21E-02	2.57E+00	8.94E-02	8.32E-01	5.59E-01	1.32E+01
2712	490360.04	3859160.04	1.10137	0.68674	4.82943	1.69859	3.40488	1.33074	0.71647	0.68674	1.13E+01	3.09E-01	1.23E-04	8.79E-02	1.57E+00	1.84E-01	1.24E+00	1.14E+00	1.35E+01
2713	490410.04	3859160.04	1.0855	0.61579	5.01657	1.60453	3.54757	1.23847	0.67023	0.61579	1.11E+01	2.77E-01	1.27E-04	8.31E-02	1.63E+00	1.71E-01	1.16E+00	1.02E+00	1.34E+01
2714	490460.04	3859160.04	1.06873	0.55441	4.70568	1.52165	3.64237	1.15508	0.62706	0.55441	1.10E+01	2.50E-01	1.19E-04	7.88E-02	1.68E+00	1.60E-01	1.08E+00	9.19E-01	1.33E+01
2715	490510.04	3859160.04	1.05302	0.49526	4.1034	1.43765	3.6956	1.06995	0.58704	0.49526	1.08E+01	2.23E-01	1.04E-04	7.44E-02	1.70E+00	1.48E-01	1.01E+00	8.21E-01	1.31E+01
2716	490560.04	3859160.04	1.04079	0.45405	4.56252	1.34182	3.77671	0.96747	0.5656	0.45405	1.07E+01	2.04E-01	1.16E-04	6.95E-02	1.74E+00	1.34E-01	9.77E-01	7.52E-01	1.30E+01
2717	490610.04	3859160.04	1.0236	0.43563	4.76923	1.281	4.01835	0.90389	0.55008	0.43563	1.05E+01	1.96E-01	1.21E-04	6.63E-02	1.85E+00	1.25E-01	9.50E-01	7.22E-01	1.30E+01
2718	490660.04	3859160.04	1.01814	0.40651	4.23627	1.16405	4.22339	0.76871	0.52184	0.40651	1.04E+01	1.83E-01	1.07E-04	6.03E-02	1.95E+00	1.06E-01	9.01E-01	6.74E-01	1.30E+01
2719	490710.04	3859160.04	1.00029	0.3917	3.91901	1.12153	4.39566	0.72159	0.50974	0.3917	1.03E+01	1.76E-01	9.94E-05	5.81E-02	2.03E+00	9.98E-02	8.80E-01	6.49E-01	1.28E+01
2720	490760.04	3859160.04	0.98955	0.37074	3.20494	1.0433	4.91589	0.66267	0.49505	0.37074	1.01E+01	1.67E-01	8.13E-05	5.40E-02	2.27E+00	9.16E-02	8.55E-01	6.14E-01	1.30E+01
2721	490810.04	3859160.04	0.97464	0.35766	2.71186	1.0028	5.13808	0.64923	0.48554	0.35766	9.99E+00	1.61E-01	6.88E-05	5.19E-02	2.37E+00	8.98E-02	8.38E-01	5.93E-01	1.29E+01
2722	490860.04	3859160.04	0.97953	0.34435	2.19452	0.96105	5.31818	0.63504	0.47434	0.34435	1.00E+01	1.55E-01	5.57E-05	4.98E-02	2.45E+00	8.78E-02	8.19E-01	5.71E-01	1.30E+01
2723	490360.04	3859210.04	1.12635	0.72932	5.60315	1.73836	3.09015	1.36641	0.75645	0.72932	1.15E+01	3.28E-01	1.42E-04	9.00E-02	1.42E+00	1.89E-01	1.31E+00	1.21E+00	1.37E+01
2724	490410.04	3859210.04	1.10451	0.6827	5.66427	1.66512	3.26088	1.31016	0.72412	0.6827	1.13E+01	3.07E-01	1.44E-04	8.62E-02	1.50E+00	1.81E-01	1.25E+00	1.13E+00	1.35E+01
2725	490460.04	3859210.04	1.0949	0.57379	6.32549	1.53768	3.42368	1.171	0.65219	0.57379	1.12E+01	2.58E-01	1.60E-04	7.96E-02	1.58E+00	1.62E-01	1.13E+00	9.51E-01	1.35E+01
2726	490510.04	3859210.04	1.08084	0.51295	6.24008	1.44286	3.53004	1.07763	0.60363	0.51295	1.11E+01	2.31E-01	1.58E-04	7.47E-02	1.63E+00	1.49E-01	1.04E+00	8.50E-01	1.34E+01
2727	490560.04	3859210.04	1.06253	0.48394	5.74503	1.37604	3.58796	1.01438	0.57195	0.48394	1.09E+01	2.18E-01	1.46E-04	7.12E-02	1.65E+00	1.40E-01	9.87E-01	8.02E-01	1.32E+01
2728	490610.04	3859210.04	1.04889	0.4597	4.88795	1.29046	3.61161	0.92471	0.55023	0.4597	1.08E+01	2.07E-01	1.24E-04	6.68E-02	1.66E+00	1.28E-01	9.50E-01	7.62E-01	1.30E+01
2729	490660.04	3859210.04	1.04138	0.42881	3.75276	1.17277	3.75899	0.78808	0.52225	0.42881	1.07E+01	1.93E-01	9.52E-05	6.07E-02	1.73E+00	1.09E-01	9.02E-01	7.11E-01	1.30E+01
2730	490710.04	3859210.04	1.02531	0.4088	3.63063	1.11194	3.96763	0.70912	0.50478	0.4088	1.05E+01	1.84E-01	9.21E-05	5.76E-02	1.83E+00	9.80E-02	8.72E-01	6.77E-01	1.29E+01
2731	490760.04	3859210.04	1.01719	0.38622	2.97027	1.03171	4.39306	0.6702	0.4912	0.38622	1.04E+01	1.74E-01	7.53E-05	5.34E-02	2.02E+00	9.27E-02	8.48E-01	6.40E-01	1.30E+01
2732	490810.04	3859210.04	0.99468	0.37839	2.97456	1.0195	4.64045	0.66458	0.48715	0.37839	1.02E+01	1.70E-01	7.55E-05	5.28E-02	2.14E+00	9.19E-02	8.41E-01	6.27E-01	1.29E+01

2733	490860.04	3859210.04	0.97347	0.36991	2.86912	1.00436	4.85848	0.6584	0.48197	0.36991	9.98E+00	1.66E-01	7.28E-05	5.20E-02	2.24E+00	9.10E-02	8.32E-01	6.13E-01	1.27E+01
2734	490360.04	3859260.04	1.15322	0.76545	6.92654	1.78185	2.74215	1.43893	0.79561	0.76545	1.18E+01	3.44E-01	1.76E-04	9.22E-02	1.26E+00	1.99E-01	1.37E+00	1.27E+00	1.38E+01
2735	490410.04	3859260.04	1.1331	0.70254	6.53215	1.6894	2.95245	1.33965	0.75281	0.70254	1.16E+01	3.16E-01	1.66E-04	8.75E-02	1.36E+00	1.85E-01	1.30E+00	1.16E+00	1.37E+01
2736	490460.04	3859260.04	1.11164	0.65388	6.13544	1.61438	3.12818	1.25737	0.71862	0.65388	1.14E+01	2.94E-01	1.56E-04	8.36E-02	1.44E+00	1.74E-01	1.24E+00	1.08E+00	1.35E+01
2737	490510.04	3859260.04	1.09071	0.59487	6.48715	1.54213	3.27025	1.18344	0.67759	0.59487	1.12E+01	2.68E-01	1.65E-04	7.98E-02	1.51E+00	1.64E-01	1.17E+00	9.86E-01	1.34E+01
2738	490560.04	3859260.04	1.07706	0.53971	6.43691	1.45046	3.38935	1.09752	0.63145	0.53971	1.10E+01	2.43E-01	1.63E-04	7.51E-02	1.56E+00	1.52E-01	1.09E+00	8.94E-01	1.33E+01
2739	490610.04	3859260.04	1.06909	0.48812	5.79875	1.33115	3.47348	0.96615	0.56456	0.48812	1.10E+01	2.20E-01	1.47E-04	6.89E-02	1.60E+00	1.34E-01	9.75E-01	8.09E-01	1.32E+01
2740	490660.04	3859260.04	1.04644	0.4756	5.49961	1.29694	3.50159	0.94378	0.55003	0.4756	1.07E+01	2.14E-01	1.40E-04	6.71E-02	1.61E+00	1.30E-01	9.50E-01	7.88E-01	1.29E+01
2741	490710.04	3859260.04	1.02914	0.4544	5.31536	1.23102	3.50787	0.86219	0.53264	0.4544	1.06E+01	2.05E-01	1.35E-04	6.37E-02	1.62E+00	1.19E-01	9.20E-01	7.53E-01	1.27E+01
2742	490760.04	3859260.04	1.02329	0.42693	4.2504	1.13262	3.72311	0.76146	0.50773	0.42693	1.05E+01	1.92E-01	1.08E-04	5.86E-02	1.72E+00	1.05E-01	8.77E-01	7.07E-01	1.27E+01
2743	490810.04	3859260.04	1.00348	0.415	3.88013	1.10364	3.91656	0.73419	0.49957	0.415	1.03E+01	1.87E-01	9.84E-05	5.71E-02	1.80E+00	1.02E-01	8.63E-01	6.88E-01	1.26E+01
2744	490860.04	3859260.04	0.98434	0.40321	3.49939	1.0764	4.08447	0.70676	0.49191	0.40321	1.01E+01	1.81E-01	8.88E-05	5.57E-02	1.88E+00	9.77E-02	8.49E-01	6.68E-01	1.25E+01
2745	490360.04	3859310.04	1.1739	0.85066	6.41305	1.88027	2.35324	1.56372	0.86071	0.85066	1.20E+01	3.83E-01	1.63E-04	9.73E-02	1.08E+00	2.16E-01	1.49E+00	1.41E+00	1.39E+01
2746	490410.04	3859310.04	1.15296	0.77962	6.55089	1.77429	2.58658	1.46079	0.81367	0.77962	1.18E+01	3.51E-01	1.66E-04	9.18E-02	1.19E+00	2.02E-01	1.40E+00	1.29E+00	1.38E+01
2747	490460.04	3859310.04	1.13185	0.71894	6.22924	1.68373	2.79606	1.36963	0.77182	0.71894	1.16E+01	3.24E-01	1.58E-04	8.72E-02	1.29E+00	1.89E-01	1.33E+00	1.19E+00	1.36E+01
2748	490510.04	3859310.04	1.10934	0.67395	6.1506	1.61278	2.974	1.2945	0.74043	0.67395	1.14E+01	3.03E-01	1.56E-04	8.35E-02	1.37E+00	1.79E-01	1.28E+00	1.12E+00	1.35E+01
2749	490560.04	3859310.04	1.08902	0.62373	6.1268	1.54176	3.12523	1.20341	0.70512	0.62373	1.12E+01	2.81E-01	1.55E-04	7.98E-02	1.44E+00	1.66E-01	1.22E+00	1.03E+00	1.33E+01
2750	490610.04	3859310.04	1.06821	0.58515	5.91228	1.48282	3.24124	1.14447	0.67636	0.58515	1.10E+01	2.63E-01	1.50E-04	7.68E-02	1.49E+00	1.58E-01	1.17E+00	9.70E-01	1.31E+01
2751	490660.04	3859310.04	1.05129	0.54155	5.59548	1.41293	3.32887	1.07887	0.63693	0.54155	1.08E+01	2.44E-01	1.42E-04	7.31E-02	1.53E+00	1.49E-01	1.10E+00	8.97E-01	1.30E+01
2752	490710.04	3859310.04	1.04443	0.48971	4.95772	1.29898	3.39134	0.94877	0.56849	0.48971	1.07E+01	2.20E-01	1.26E-04	6.72E-02	1.56E+00	1.31E-01	9.82E-01	8.11E-01	1.29E+01
2753	490760.04	3859310.04	1.02984	0.46834	4.33171	1.22947	3.40658	0.87874	0.53233	0.46834	1.06E+01	2.11E-01	1.10E-04	6.36E-02	1.57E+00	1.21E-01	9.19E-01	7.76E-01	1.27E+01
2754	490810.04	3859310.04	1.01109	0.45399	3.86571	1.18922	3.48767	0.84323	0.52065	0.45399	1.04E+01	2.04E-01	9.81E-05	6.16E-02	1.61E+00	1.17E-01	8.99E-01	7.52E-01	1.25E+01
2755	490860.04	3859310.04	0.99662	0.43536	3.30391	1.13488	3.68713	0.78302	0.50565	0.43536	1.02E+01	1.96E-01	8.38E-05	5.87E-02	1.70E+00	1.08E-01	8.73E-01	7.21E-01	1.24E+01
2756	490360.04	3859360.04	1.19799	0.95187	5.67872	2.11263	2.31501	1.68035	0.93427	0.95187	1.23E+01	4.28E-01	1.44E-04	1.09E-01	1.07E+00	2.32E-01	1.61E+00	1.58E+00	1.42E+01
2757	490410.04	3859360.04	1.1713	0.89367	5.35384	1.90268	2.19705	1.60415	0.89354	0.89367	1.20E+01	4.02E-01	1.36E-04	9.85E-02	1.01E+00	2.22E-01	1.54E+00	1.48E+00	1.38E+01
2758	490460.04	3859360.04	1.14573	0.84132	5.12291	1.80911	2.41808	1.53601	0.85711	0.84132	1.17E+01	3.79E-01	1.30E-04	9.37E-02	1.11E+00	2.12E-01	1.48E+00	1.39E+00	1.36E+01
2759	490510.04	3859360.04	1.12217	0.78877	5.01152	1.72356	2.62353	1.46211	0.82128	0.78877	1.15E+01	3.55E-01	1.27E-04	8.92E-02	1.21E+00	2.02E-01	1.42E+00	1.31E+00	1.35E+01
2760	490560.04	3859360.04	1.1035	0.71708	4.96478	1.63261	2.81522	1.3499	0.7746	0.71708	1.13E+01	3.23E-01	1.26E-04	8.45E-02	1.30E+00	1.87E-01	1.34E+00	1.19E+00	1.34E+01
2761	490610.04	3859360.04	1.0854	0.65142	4.95465	1.55037	2.9784	1.2526	0.73035	0.65142	1.11E+01	2.93E-01	1.26E-04	8.03E-02	1.37E+00	1.73E-01	1.26E+00	1.08E+00	1.32E+01
2762	490660.04	3859360.04	1.06646	0.6034	4.88161	1.48144	3.10724	1.18187	0.69361	0.6034	1.09E+01	2.72E-01	1.24E-04	7.67E-02	1.43E+00	1.63E-01	1.20E+00	1.00E+00	1.31E+01
2763	490710.04	3859360.04	1.05274	0.54669	4.70419	1.39641	3.21042	1.08714	0.64141	0.54669	1.08E+01	2.46E-01	1.19E-04	7.23E-02	1.48E+00	1.50E-01	1.11E+00	9.06E-01	1.29E+01
2764	490760.04	3859360.04	1.04081	0.50543	4.4151	1.30916	3.27921	0.98986	0.58924	0.50543	1.07E+01	2.27E-01	1.12E-04	6.78E-02	1.51E+00	1.37E-01	1.02E+00	8.37E-01	1.28E+01
2765	490810.04	3859360.04	1.01897	0.49398	4.30915	1.27819	3.30233	0.9582	0.57721	0.49398	1.04E+01	2.22E-01	1.09E-04	6.62E-02	1.52E+00	1.32E-01	9.97E-01	8.18E-01	1.26E+01
2766	490860.04	3859360.04	1.00313	0.4758	4.07805	1.22371	3.29976	0.89717	0.54652	0.4758	1.03E+01	2.14E-01	1.03E-04	6.33E-02	1.52E+00	1.24E-01	9.44E-01	7.88E-01	1.24E+01
2767	490360.04	3859410.04	1.22964	1.05444	6.43551	2.51592	2.39283	1.79888	0.98249	1.05444	1.26E+01	4.75E-01	1.63E-04	1.30E-01	1.10E+00	2.49E-01	1.70E+00	1.75E+00	1.45E+01
2768	490410.04	3859410.04	1.19779	1.00575	6.39686	2.29727	2.27555	1.68506	0.97185	1.00575	1.23E+01	4.53E-01	1.62E-04	1.19E-01	1.05E+00	2.33E-01	1.68E+00	1.67E+00	1.41E+01
2769	490460.04	3859410.04	1.16887	0.94926	6.32816	2.07209	2.13619	1.65134	0.93262	0.94926	1.20E+01	4.27E-01	1.61E-04	1.07E-01	9.84E-01	2.28E-01	1.61E+00	1.57E+00	1.38E+01
2770	490510.04	3859410.04	1.14276	0.8908	6.24086	1.86507	2.26306	1.57757	0.89264	0.8908	1.17E+01	4.01E-01	1.58E-04	9.65E-02	1.04E+00	2.18E-01	1.54E+00	1.48E+00	1.35E+01
2771	490560.04	3859410.04	1.1186	0.8334	6.11708	1.75383	2.46835	1.4975	0.85432	0.8334	1.15E+01	3.75E-01	1.55E-04	9.08E-02	1.14E+00	2.07E-01	1.47E+00	1.38E+00	1.34E+01
2772	490610.04	3859410.04	1.09639	0.77445	5.9666	1.66558	2.65584	1.42605	0.81657	0.77445	1.12E+01	3.49E-01	1.51E-04	8.62E-02	1.22E+00	1.97E-01	1.41E+00	1.28E+00	1.32E+01
2773	490660.04	3859410.04	1.0799	0.68359	5.84306	1.57067	2.82954	1.32552	0.75792	0.68359	1.11E+01	3.08E-01	1.48E-04	8.13E-02	1.30E+00	1.83E-01	1.31E+00	1.13E+00	1.31E+01
2774	490710.04	3859410.04	1.06284	0.62078	5.63097	1.49001	2.97089	1.23856	0.70665	0.62078	1.09E+01	2.79E-01	1.43E-04	7.71E-02	1.37E+00	1.71E-01	1.22E+00	1.03E+00	1.30E+01
2775	490760.04	3859410.04	1.05061	0.55717	5.3038	1.3958	3.08714	1.13318	0.64619	0.55717	1.08E+01	2.51E-01	1.35E-04	7.23E-02	1.42E+00	1.57E-01	1.12E+00	9.23E-01	1.29E+01
2776	490810.04	3859410.04	1.03033	0.53971	5.00594	1.35379	3.15769	1.0971	0.63454	0.53971	1.06E+01	2.43E-01	1.27E-04	7.01E-02	1.46E+00	1.52E-01	1.10E+00	8.94E-01	1.27E+01
2777	490860.04	3859410.04	1.0075	0.52812	4.78554	1.32588	3.19283	1.07124	0.62573	0.52812	1.03E+01	2.38E-01	1.21E-04	6.86E-02	1.47E+00	1.48E-01	1.08E+00	8.75E-01	1.25E+01
2778	490360.04	3859460.04	1.27409	1.16028	4.61933	3.01144	2.42771	2.02595	1.09298	1.16028	1.31E+01	5.22E-01	1.17E-04	1.56E-01	1.12E+00	2.80E-01	1.89E+00	1.92E+00	1.51E+01
2779	490410.04	3859460.04	1.2373	1.08157	4.14284	2.72773	2.351	1.85659	1.01808	1.08157	1.27E+01	4.87E-01	1.05E-04	1.41E-01	1.08E+00	2.57E-01	1.76E+00	1.79E+00	1.46E+01
2780	490460.04	3859460.04	1.20282	1.04418	3.81243	2.49262	2.24179	1.74297	0.99013	1.04418	1.23E+01	4.70E-01	9.67E-05	1.29E-01	1.03E+00	2.41E-01	1.71E+00	1.73E+00	1.42E+01
2781	490510.04	3859460.04	1.17202	0.99091	3.80504	2.28931	2.11152	1.6781	0.96177	0.99091	1.20E+01	4.46E-01	9.65E-05	1.19E-01	9.73E-01	2.32E-01	1.66E+00	1.64E+00	1.38E+01
2782	490560.04	3859460.04	1.14348	0.934	3.78025	2.02644	2.11919	1.60287	0.92245	0.934	1.17E+01	4.20E-01	9.59E-05	1.05E-01	9.77E-01	2.22E-01	1.59E+00	1.55E+00	1.35E+01
2783	490610.04	3859460.04	1.11912	0.86585	3.74693	1.84736	2.32506	1.52117	0.87897	0.86585	1.15E+01	3.90E-01	9.51E-05	9.56E-02	1.07E+00	2.10E-01	1.52E+00	1.43E+00	1.33E+01
2784	490660.04	3859460.04	1.09763	0.79369	3.69346	1.70453	2.5173	1.44168	0.83337	0.79369	1.13E+01	3.57E-01	9.37E-05	8.82E-02	1.16E+00	1.99E-01	1.44E+00	1.32E+00	1.32E+01
2785	490710.04	3859460.04	1.07482	0.73094	3.63238	1.60067	2.68251	1.37556	0.79188	0.73094	1.10E+01	3.29E-01	9.21E-05	8.29E-02	1.24E+00	1.90E-01	1.37E+00	1.21E+00	1.30E+01
2786	490760.04	3859460.04	1.05702	0.68843	3.50318	1.52266	2.8306	1.3036	0.75395	0.68843	1.08E+01	3.10E-01	8.89E-05	7.88E-02	1.30E+00	1.80E-01	1.30E+00	1.14E+00	1.29E+01
2787	490810.04	3859460.04	1.03932	0.63839	3.37815	1.45178	2.94879	1.23273	0.71251	0.63839	1.07E+01	2.87E-01	8.57E-05	7.52E-02	1.36E+00	1.70E-01	1.23E+00	1.06E+00	1.27E+01
2788	490860.04	3859460.04	1.0173	0.61536	3.26695	1.40892	3.02836	1.19621	0.69447	0.61536	1.04E+01	2.77E-01	8.29E-05	7.29E-02	1.40E+00	1.65E-01	1.20E+00	1.02E+00	1.25E+01
2789	490360.04	3859510.04	1.33847	1.36365	6.20489	4.10119	2.41848	2.38979	1.30556	1.36365	1.37E+01	6.14E-01	1.57E-04	2.12E-01	1.11E+00	3.30E-01	2.25E+00	2.26E+00	1.60E+01

2790	490410.04	3859510.04	1.28892	1.25066	5.78175	3.51024	2.37562	2.17955	1.1956	1.25066
2791	490460.04	3859510.04	1.24742	1.14479	5.35791	3.13176	2.30535	1.98994	1.0801	1.14479
2792	490510.04	3859510.04	1.21019	1.06978	4.94132	2.83645	2.20574	1.81827	0.99317	1.06978
2793	490560.04	3859510.04	1.17693	1.03803	4.54128	2.58107	2.08393	1.70182	0.98694	1.03803
2794	490610.04	3859510.04	1.14782	0.9724	4.15829	2.29296	1.98567	1.63612	0.94546	0.9724
2795	490660.04	3859510.04	1.12136	0.90153	3.79421	1.99924	2.18729	1.51675	0.9018	0.90153
2796	490710.04	3859510.04	1.09761	0.83255	3.44984	1.84117	2.37703	1.43413	0.858	0.83255
2797	490760.04	3859510.04	1.07518	0.7779	3.13181	1.70528	2.54777	1.36868	0.81775	0.7779
2798	490810.04	3859510.04	1.05245	0.7429	2.85004	1.60751	2.69301	1.31825	0.78641	0.7429
2799	490860.04	3859510.04	1.03255	0.6954	2.70531	1.50492	2.81619	1.26164	0.75156	0.6954
2800	490360.04	3859560.04	1.4476	1.68399	5.39561	6.98514	2.36209	3.07138	1.74376	1.68399
2801	490410.04	3859560.04	1.37104	1.4714	4.61699	5.2259	2.35869	2.70281	1.44388	1.4714
2802	490460.04	3859560.04	1.31182	1.36748	4.39663	4.24635	2.32403	2.42434	1.32139	1.36748
2803	490510.04	3859560.04	1.26459	1.22042	4.37014	3.66864	2.26399	2.18383	1.17659	1.22042
2804	490560.04	3859560.04	1.2219	1.13375	4.30183	3.2773	2.16944	1.99337	1.08165	1.13375
2805	490610.04	3859560.04	1.18609	1.05891	4.18938	3.04748	2.05789	1.82822	1.01615	1.05891
2806	490660.04	3859560.04	1.15392	1.01969	4.04694	2.70904	1.92745	1.71117	0.97565	1.01969
2807	490710.04	3859560.04	1.12563	0.94255	3.87924	2.33257	2.05496	1.55835	0.92792	0.94255
2808	490760.04	3859560.04	1.10169	0.86271	3.6868	1.96341	2.24639	1.42398	0.87519	0.86271
2809	490810.04	3859560.04	1.0776	0.81165	3.48946	1.80069	2.41778	1.35247	0.8338	0.81165
2810	490860.04	3859560.04	1.05582	0.75796	3.28499	1.66236	2.57097	1.28931	0.79238	0.75796
2811	490187.25	3859422.08	1.3876	1.36477	7.17575	3.84395	2.53145	2.38129	1.30099	1.36477
2812	490237.25	3859422.08	1.33752	1.26778	6.2793	3.30082	2.53975	2.20275	1.185	1.26778
2813	490287.25	3859422.08	1.29371	1.16617	6.18053	2.9615	2.50936	2.04419	1.0974	1.16617
2814	490337.25	3859422.08	1.25598	1.09094	6.16075	2.69711	2.44773	1.87902	1.02896	1.09094
2815	490187.25	3859472.08	1.49058	1.75077	8.04551	6.44699	2.41412	3.09873	1.75524	1.75077
2816	490237.25	3859472.08	1.41488	1.46694	7.16388	4.86175	2.46319	2.59293	1.4937	1.46694
2817	490287.25	3859472.08	1.35838	1.35577	6.33196	3.91498	2.48069	2.35441	1.28098	1.35577
2818	490337.25	3859472.08	1.30838	1.25128	5.62214	3.35805	2.45341	2.17159	1.18274	1.25128
2819	490297.07	3859500.42	1.39623	1.45093	6.86923	4.90998	2.44185	2.61553	1.47079	1.45093
2820	490327.07	3859500.42	1.3582	1.39801	6.55701	4.29758	2.43616	2.45055	1.33314	1.39801
2821	490297.07	3859530.42	1.47263	1.73961	5.78215	7.11741	2.38216	3.26329	1.75645	1.73961
2822	490327.07	3859530.42	1.42162	1.55951	5.78848	5.88894	2.39779	2.8934	1.61173	1.55951
2823	490319.73	3859055.34	1.05508	0.67498	4.34007	1.70949	3.7968	1.32187	0.69017	0.67498
2824	490319.73	3859105.34	1.08638	0.69688	4.3265	1.73902	3.58283	1.35124	0.7134	0.69688
2825	490069.73	3859155.34	1.24771	0.94485	3.05375	2.17208	2.67812	1.71222	0.88454	0.94485
2826	490119.73	3859155.34	1.21687	0.89987	4.40707	2.08741	2.52182	1.61399	0.86252	0.89987
2827	490269.73	3859155.34	1.13304	0.79402	3.9549	1.84259	3.09051	1.46204	0.78295	0.79402
2828	490319.73	3859155.34	1.11294	0.73697	3.98642	1.77141	3.29144	1.3941	0.74723	0.73697
2829	490069.73	3859205.34	1.27231	1.02649	6.37657	2.3382	2.73671	1.90877	0.93713	1.02649
2830	490119.73	3859205.34	1.23781	0.99222	7.14562	2.2108	2.6134	1.80712	0.90677	0.99222
2831	490169.73	3859205.34	1.2083	0.96253	5.31624	2.09088	2.47363	1.71323	0.86498	0.96253
2832	490219.73	3859205.34	1.18379	0.89106	5.26919	1.99605	2.47528	1.61193	0.85385	0.89106
2833	490269.73	3859205.34	1.16372	0.82182	6.1418	1.87579	2.7352	1.5106	0.81619	0.82182
2834	490319.73	3859205.34	1.13992	0.77481	6.18326	1.80993	2.956	1.43215	0.78434	0.77481
2835	490069.73	3859255.34	1.30686	1.07532	7.10148	2.62163	2.75214	2.0511	1.01756	1.07532
2836	490119.73	3859255.34	1.26962	1.0377	6.98907	2.41501	2.6785	1.9532	0.97885	1.0377
2837	490169.73	3859255.34	1.23718	1.01501	7.98857	2.23599	2.57775	1.83063	0.93047	1.01501
2838	490219.73	3859255.34	1.21067	0.96569	7.51887	2.06281	2.45922	1.71416	0.89017	0.96569
2839	490269.73	3859255.34	1.18718	0.89098	6.19712	1.95644	2.33466	1.63171	0.87352	0.89098
2840	490319.73	3859255.34	1.16306	0.83716	6.45455	1.8699	2.57674	1.54748	0.83757	0.83716
2841	490069.73	3859305.34	1.35469	1.16489	10.11733	3.05067	2.70794	2.21057	1.11266	1.16489
2842	490119.73	3859305.34	1.30988	1.11678	8.58072	2.78143	2.68257	2.09761	1.06594	1.11678
2843	490169.73	3859305.34	1.27222	1.06464	6.93044	2.56494	2.62712	1.96506	1.01336	1.06464
2844	490219.73	3859305.34	1.24064	1.04006	6.07354	2.34176	2.5457	1.83286	0.95053	1.04006
2845	490269.73	3859305.34	1.21235	0.97903	5.69755	2.11214	2.43366	1.72376	0.93427	0.97903
2846	490319.73	3859305.34	1.18862	0.90543	5.85698	1.95636	2.30043	1.64304	0.89458	0.90543

1.32E+01	5.63E-01	1.47E-04	1.82E-01	1.09E+00	3.01E-01	2.06E+00	2.07E+00	1.53E+01
1.28E+01	5.15E-01	1.36E-04	1.62E-01	1.06E+00	2.75E-01	1.86E+00	1.90E+00	1.48E+01
1.24E+01	4.81E-01	1.25E-04	1.47E-01	1.02E+00	2.51E-01	1.71E+00	1.77E+00	1.42E+01
1.21E+01	4.67E-01	1.15E-04	1.34E-01	9.60E-01	2.35E-01	1.70E+00	1.72E+00	1.38E+01
1.18E+01	4.38E-01	1.05E-04	1.19E-01	9.15E-01	2.26E-01	1.63E+00	1.61E+00	1.35E+01
1.15E+01	4.06E-01	9.63E-05	1.03E-01	1.01E+00	2.10E-01	1.56E+00	1.49E+00	1.33E+01
1.13E+01	3.75E-01	8.75E-05	9.53E-02	1.10E+00	1.98E-01	1.48E+00	1.38E+00	1.31E+01
1.10E+01	3.50E-01	7.94E-05	8.83E-02	1.17E+00	1.89E-01	1.41E+00	1.29E+00	1.29E+01
1.08E+01	3.34E-01	7.23E-05	8.32E-02	1.24E+00	1.82E-01	1.36E+00	1.23E+00	1.28E+01
1.06E+01	3.13E-01	6.86E-05	7.79E-02	1.30E+00	1.74E-01	1.30E+00	1.15E+00	1.26E+01
1.48E+01	7.58E-01	1.37E-04	3.62E-01	1.09E+00	4.25E-01	3.01E+00	2.79E+00	1.77E+01
1.41E+01	6.62E-01	1.17E-04	2.71E-01	1.09E+00	3.74E-01	2.49E+00	2.44E+00	1.65E+01
1.35E+01	6.15E-01	1.12E-04	2.20E-01	1.07E+00	3.35E-01	2.28E+00	2.27E+00	1.57E+01
1.30E+01	5.49E-01	1.11E-04	1.90E-01	1.04E+00	3.02E-01	2.03E+00	2.02E+00	1.51E+01
1.25E+01	5.10E-01	1.09E-04	1.70E-01	1.00E+00	2.76E-01	1.87E+00	1.88E+00	1.45E+01
1.22E+01	4.77E-01	1.06E-04	1.58E-01	9.48E-01	2.53E-01	1.75E+00	1.75E+00	1.40E+01
1.18E+01	4.59E-01	1.03E-04	1.40E-01	8.88E-01	2.37E-01	1.68E+00	1.69E+00	1.36E+01
1.15E+01	4.24E-01	9.84E-05	1.21E-01	9.47E-01	2.15E-01	1.60E+00	1.56E+00	1.33E+01
1.13E+01	3.88E-01	9.35E-05	1.02E-01	1.04E+00	1.97E-01	1.51E+00	1.43E+00	1.31E+01
1.10E+01	3.65E-01	8.85E-05	9.32E-02	1.11E+00	1.87E-01	1.44E+00	1.34E+00	1.29E+01
1.08E+01	3.41E-01	8.33E-05	8.61E-02	1.18E+00	1.78E-01	1.37E+00	1.26E+00	1.27E+01
1.42E+01	6.14E-01	1.82E-04	1.99E-01	1.17E+00	3.29E-01	2.25E+00	2.26E+00	1.65E+01
1.37E+01	5.71E-01	1.59E-04	1.71E-01	1.17E+00	3.05E-01	2.05E+00	2.10E+00	1.59E+01
1.33E+01	5.25E-01	1.57E-04	1.53E-01	1.16E+00	2.83E-01	1.89E+00	1.93E+00	1.53E+01
1.29E+01	4.91E-01	1.56E-04	1.40E-01	1.13E+00	2.60E-01	1.78E+00	1.81E+00	1.49E+01
1.53E+01	7.88E-01	2.04E-04	3.34E-01	1.11E+00	4.28E-01	3.03E+00	2.90E+00	1.81E+01
1.45E+01	6.60E-01	1.82E-04	2.52E-01	1.14E+00	3.58E-01	2.58E+00	2.43E+00	1.71E+01
1.39E+01	6.10E-01	1.61E-04	2.03E-01	1.14E+00	3.26E-01	2.21E+00	2.25E+00	1.62E+01
1.34E+01	5.63E-01	1.43E-04	1.74E-01	1.13E+00	3.00E-01	2.04E+00	2.07E+00	1.56E+01
1.43E+01	6.53E-01	1.74E-04	2.54E-01	1.13E+00	3.62E-01	2.54E+00	2.40E+00	1.68E+01
1.39E+01	6.29E-01	1.66E-04	2.22E-01	1.12E+00	3.39E-01	2.30E+00	2.32E+00	1.62E+01
1.51E+01	7.83E-01	1.47E-04	3.68E-01	1.10E+00	4.51E-01	3.03E+00	2.88E+00	1.80E+01
1.46E+01	7.02E-01	1.47E-04	3.05E-01	1.11E+00	4.00E-01	2.78E+00	2.58E+00	1.73E+01
1.08E+01	3.04E-01	1.10E-04	8.85E-02	1.75E+00	1.83E-01	1.19E+00	1.12E+00	1.32E+01
1.11E+01	3.14E-01	1.10E-04	9.00E-02	1.65E+00	1.87E-01	1.23E+00	1.15E+00	1.35E+01
1.28E+01	4.25E-01	7.75E-05	1.12E-01	1.23E+00	2.37E-01	1.53E+00	1.57E+00	1.48E+01
1.25E+01	4.05E-01	1.12E-04	1.08E-01	1.16E+00	2.23E-01	1.49E+00	1.49E+00	1.44E+01
1.16E+01	3.57E-01	1.00E-04	9.54E-02	1.42E+00	2.02E-01	1.35E+00	1.32E+00	1.37E+01
1.14E+01	3.32E-01	1.01E-04	9.17E-02	1.52E+00	1.93E-01	1.29E+00	1.22E+00	1.36E+01
1.30E+01	4.62E-01	1.62E-04	1.21E-01	1.26E+00	2.64E-01	1.62E+00	1.70E+00	1.51E+01
1.27E+01	4.47E-01	1.81E-04	1.14E-01	1.20E+00	2.50E-01	1.57E+00	1.64E+00	1.46E+01
1.24E+01	4.33E-01	1.35E-04	1.08E-01	1.14E+00	2.37E-01	1.49E+00	1.59E+00	1.42E+01
1.21E+01	4.01E-01	1.34E-04	1.03E-01	1.14E+00	2.23E-01	1.47E+00	1.48E+00	1.40E+01
1.19E+01	3.70E-01	1.56E-04	9.71E-02	1.26E+00	2.09E-01	1.41E+00	1.36E+00	1.39E+01
1.17E+01	3.49E-01	1.57E-04	9.37E-02	1.36E+00	1.98E-01	1.35E+00	1.28E+00	1.38E+01
1.34E+01	4.84E-01	1.80E-04	1.36E-01	1.27E+00	2.84E-01	1.76E+00	1.78E+00	1.55E+01
1.30E+01	4.67E-01	1.77E-04	1.25E-01	1.23E+00	2.70E-01	1.69E+00	1.72E+00	1.51E+01
1.27E+01	4.57E-01	2.03E-04	1.16E-01	1.19E+00	2.53E-01	1.61E+00	1.68E+00	1.46E+01
1.24E+01	4.35E-01	1.91E-04	1.07E-01	1.13E+00	2.37E-01	1.54E+00	1.60E+00	1.43E+01
1.22E+01	4.01E-01	1.57E-04	1.01E-01	1.08E+00	2.26E-01	1.51E+00	1.48E+00	1.40E+01
1.19E+01	3.77E-01	1.64E-04	9.68E-02	1.19E+00	2.14E-01	1.45E+00	1.39E+00	1.39E+01
1.39E+01	5.24E-01	2.57E-04	1.58E-01	1.25E+00	3.06E-01	1.92E+00	1.93E+00	1.61E+01
1.34E+01	5.03E-01	2.18E-04	1.44E-01	1.24E+00	2.90E-01	1.84E+00	1.85E+00	1.56E+01
1.30E+01	4.79E-01	1.76E-04	1.33E-01	1.21E+00	2.72E-01	1.75E+00	1.76E+00	1.51E+01
1.27E+01	4.68E-01	1.54E-04	1.21E-01	1.17E+00	2.53E-01	1.64E+00	1.72E+00	1.47E+01
1.24E+01	4.41E-01	1.45E-04	1.09E-01	1.12E+00	2.38E-01	1.61E+00	1.62E+00	1.43E+01
1.22E+01	4.07E-01	1.49E-04	1.01E-01	1.06E+00	2.27E-01	1.54E+00	1.50E+00	1.40E+01

2847	490069.73	3859355.34	1.41932	1.33597	9.44808	3.801	2.59573	2.3997	1.27476	1.33597
2848	490119.73	3859355.34	1.36387	1.267	8.36621	3.29529	2.62097	2.29977	1.17501	1.267
2849	490169.73	3859355.34	1.31799	1.18612	7.48532	2.95405	2.61511	2.1106	1.11565	1.18612
2850	490219.73	3859355.34	1.27992	1.09509	7.04471	2.71092	2.57973	1.96601	1.04452	1.09509
2851	490269.73	3859355.34	1.24527	1.05791	6.61718	2.48554	2.50472	1.84976	0.98435	1.05791
2852	490319.73	3859355.34	1.21599	1.00095	6.12418	2.23764	2.40427	1.72202	0.96179	1.00095
2853	490069.73	3859405.34	1.51112	1.71426	9.74028	5.52579	2.50548	2.80325	1.69367	1.71426
2854	490119.73	3859405.34	1.43918	1.46112	8.66675	4.3782	2.50929	2.53882	1.43518	1.46112
2855	490169.73	3859405.34	1.38161	1.3381	7.61736	3.66094	2.5533	2.34327	1.25052	1.3381
2856	490219.73	3859405.34	1.33249	1.24856	6.70662	3.18967	2.55836	2.16532	1.17256	1.24856
2857	490269.73	3859405.34	1.29096	1.14018	6.37804	2.8814	2.53036	2.00388	1.07965	1.14018
2858	490319.73	3859405.34	1.2544	1.07926	6.45991	2.63676	2.467	1.85464	1.01467	1.07926
2859	490161.89	3859541.83	1.87182	2.89518	7.86027	6.65497	2.34624	4.32924	2.94441	2.89518
2860	490171.89	3859541.83	1.85367	2.81858	7.78323	7.29253	2.34803	4.72057	2.86735	2.81858
2861	490161.89	3859551.83	1.89312	3.07421	7.58671	5.67669	2.33193	3.7558	3.12444	3.07421
2862	490171.89	3859551.83	1.87678	2.99315	7.57305	6.18182	2.33488	4.01516	3.04352	2.99315
2863	489799.72	3859348.21	1.9227	2.6492	14.65399	6.4295	3.30615	3.93618	2.62697	2.6492
2864	489819.72	3859348.21	1.88887	2.52294	15.21951	7.26014	3.12515	5.60243	2.499	2.52294
2865	489799.72	3859368.21	1.94736	2.92834	21.1444	5.42192	3.42723	3.32584	2.92266	2.92834
2866	489819.72	3859368.21	1.91639	2.78691	27.03065	6.0642	3.25151	3.77934	2.77916	2.78691
2867	489775.41	3859329.72	1.91568	2.56586	13.92532	6.42465	3.40621	3.85894	2.53282	2.56586
2868	489795.41	3859329.72	1.8937	2.44378	10.43049	7.21787	3.22376	5.65298	2.40923	2.44378
2869	489775.41	3859349.72	1.95204	2.83253	15.95637	5.59561	3.53286	3.408	2.81443	2.83253
2870	489795.41	3859349.72	1.93082	2.69691	14.77357	6.20354	3.35463	3.80275	2.67665	2.69691
2871	489595.05	3859219.43	1.8935	2.33876	6.00052	5.57281	4.4132	3.19147	2.26216	2.33876
2872	489615.05	3859219.43	1.87735	2.2284	6.13671	6.22811	4.22831	4.07856	2.14767	2.2284
2873	489595.05	3859239.43	1.92089	2.57194	6.39045	5.13549	4.52356	2.9225	2.51396	2.57194
2874	489615.05	3859239.43	1.90231	2.44895	6.67774	5.42569	4.34735	3.12276	2.38541	2.44895
2875	489372.4	3859092.58	1.79634	2.21762	4.23303	5.9787	5.72138	2.85718	2.06041	2.21762
2876	489422.4	3859092.58	1.80061	1.96921	3.63526	6.82095	5.31744	3.75106	1.82083	1.96921
2877	489372.4	3859142.58	1.85671	2.87348	3.80038	4.66683	5.83431	2.38186	2.75802	2.87348
2878	489422.4	3859142.58	1.82398	2.48564	4.64103	5.26742	5.51766	2.67379	2.35019	2.48564
2879	488870.84	3858666.64	2.18705	1.30402	2.43975	7.75168	9.99806	3.10563	1.5158	1.30402
2880	488900.84	3858666.64	2.16603	1.26913	2.33069	9.67992	9.23428	4.35081	1.43018	1.26913
2881	488870.84	3858696.64	2.19739	1.38293	2.50904	6.7028	10.2844	3.01965	1.62475	1.38293
2882	488900.84	3858696.64	2.16665	1.33451	2.54329	7.71709	9.56795	3.16162	1.52356	1.33451
2883	488889.67	3858683.97	2.17859	1.31907	2.5005	7.85804	9.71482	3.14936	1.5156	1.31907
2884	488919.67	3858683.97	2.14696	1.28015	2.38777	9.6612	8.94978	4.32079	1.4302	1.28015
2885	488889.67	3858713.97	2.17679	1.40362	2.56378	6.68206	10.0083	3.06985	1.62427	1.40362
2886	488919.67	3858713.97	2.1417	1.35219	2.60499	7.65611	9.29249	3.21129	1.52333	1.35219
2887	488906.61	3858703.33	2.15917	1.34382	2.56619	7.62914	9.4953	3.17013	1.52819	1.34382
2888	488936.61	3858703.33	2.12444	1.30073	2.47742	9.28879	8.75488	3.98369	1.44097	1.30073
2889	488906.61	3858733.33	2.15171	1.43488	2.62342	6.55129	9.81665	3.11774	1.63829	1.43488
2890	488936.61	3858733.33	2.11593	1.37995	2.68607	7.44905	9.10052	3.25769	1.53561	1.37995
2891	488637.63	3858467.85	2.26877	1.18348	2.12565	5.43367	14.0247	2.67265	1.57254	1.18348
2892	488662.63	3858467.85	2.26175	1.15289	2.0932	6.42121	13.4498	3.13908	1.49164	1.15289
2893	488637.63	3858492.85	2.25476	1.22393	2.02792	4.67273	14.0678	2.53977	1.67391	1.22393
2894	488662.63	3858492.85	2.24045	1.19824	2.03816	5.33782	13.5722	2.66058	1.57999	1.19824
2895	488687.63	3858492.85	2.22258	1.18022	2.03617	6.33161	13.0085	3.08761	1.49872	1.18022
2896	488637.63	3858517.85	2.23048	1.26206	2.12299	4.11555	14.0478	2.48628	1.79279	1.26206
2897	488662.63	3858517.85	2.21502	1.23747	2.06112	4.60855	13.6353	2.56429	1.68234	1.23747
2898	488687.63	3858517.85	2.19594	1.20977	2.01704	5.25534	13.1297	2.67867	1.58747	1.20977
2899	488194.42	3857168.98	1.26561	0.41165	2.18586	1.46275	25.8574	1.29995	0.63447	0.41165
2900	488244.42	3857168.98	1.23932	0.41459	1.85624	1.55342	22.7997	1.43991	0.60667	0.41459
2901	488294.42	3857168.98	1.21516	0.41589	1.32119	1.63526	19.3681	1.41954	0.58407	0.41589
2902	488244.42	3857218.98	1.25009	0.41232	1.43331	1.57345	22.5297	1.49175	0.63247	0.41232
2903	488294.42	3857218.98	1.22465	0.41479	1.85021	1.66034	20.0275	1.39758	0.60774	0.41479

1.46E+01	6.01E-01	2.40E-04	1.97E-01	1.20E+00	3.32E-01	2.20E+00	2.21E+00	1.69E+01
1.40E+01	5.70E-01	2.12E-04	1.71E-01	1.21E+00	3.18E-01	2.03E+00	2.10E+00	1.62E+01
1.35E+01	5.34E-01	1.90E-04	1.53E-01	1.21E+00	2.92E-01	1.93E+00	1.97E+00	1.57E+01
1.31E+01	4.93E-01	1.79E-04	1.40E-01	1.19E+00	2.72E-01	1.80E+00	1.81E+00	1.52E+01
1.28E+01	4.76E-01	1.68E-04	1.29E-01	1.15E+00	2.56E-01	1.70E+00	1.75E+00	1.47E+01
1.25E+01	4.50E-01	1.55E-04	1.16E-01	1.11E+00	2.38E-01	1.66E+00	1.66E+00	1.44E+01
1.55E+01	7.71E-01	2.47E-04	2.86E-01	1.15E+00	3.88E-01	2.92E+00	2.84E+00	1.82E+01
1.48E+01	6.58E-01	2.20E-04	2.27E-01	1.16E+00	3.51E-01	2.48E+00	2.42E+00	1.72E+01
1.42E+01	6.02E-01	1.93E-04	1.90E-01	1.18E+00	3.24E-01	2.16E+00	2.22E+00	1.64E+01
1.37E+01	5.62E-01	1.70E-04	1.65E-01	1.18E+00	2.99E-01	2.02E+00	2.07E+00	1.58E+01
1.32E+01	5.13E-01	1.62E-04	1.49E-01	1.17E+00	2.77E-01	1.86E+00	1.89E+00	1.53E+01
1.29E+01	4.86E-01	1.64E-04	1.36E-01	1.14E+00	2.56E-01	1.75E+00	1.79E+00	1.48E+01
1.92E+01	1.30E+00	1.99E-04	3.45E-01	1.08E+00	5.99E-01	5.08E+00	4.80E+00	2.28E+01
1.90E+01	1.27E+00	1.97E-04	3.78E-01	1.08E+00	6.53E-01	4.95E+00	4.67E+00	2.27E+01
1.94E+01	1.38E+00	1.92E-04	2.94E-01	1.07E+00	5.19E-01	5.39E+00	5.09E+00	2.30E+01
1.92E+01	1.35E+00	1.92E-04	3.20E-01	1.08E+00	5.55E-01	5.25E+00	4.96E+00	2.28E+01
1.97E+01	1.19E+00	3.72E-04	3.33E-01	1.52E+00	5.44E-01	4.54E+00	4.39E+00	2.35E+01
1.94E+01	1.14E+00	3.86E-04	3.76E-01	1.44E+00	7.75E-01	4.31E+00	4.18E+00	2.32E+01
2.00E+01	1.32E+00	5.36E-04	2.81E-01	1.58E+00	4.60E-01	5.05E+00	4.85E+00	2.38E+01
1.97E+01	1.25E+00	6.86E-04	3.14E-01	1.50E+00	5.23E-01	4.80E+00	4.62E+00	2.34E+01
1.96E+01	1.15E+00	3.53E-04	3.33E-01	1.57E+00	5.34E-01	4.37E+00	4.25E+00	2.34E+01
1.94E+01	1.10E+00	2.65E-04	3.74E-01	1.49E+00	7.82E-01	4.16E+00	4.05E+00	2.33E+01
2.00E+01	1.27E+00	4.05E-04	2.90E-01	1.63E+00	4.71E-01	4.86E+00	4.69E+00	2.38E+01
1.98E+01	1.21E+00	3.75E-04	3.21E-01	1.55E+00	5.26E-01	4.62E+00	4.47E+00	2.36E+01
1.94E+01	1.05E+00	1.52E-04	2.88E-01	2.03E+00	4.41E-01	3.91E+00	3.88E+00	2.33E+01
1.93E+01	1.00E+00	1.56E-04	3.22E-01	1.95E+00	5.64E-01	3.71E+00	3.69E+00	2.31E+01
1.97E+01	1.16E+00	1.62E-04	2.66E-01	2.08E+00	4.04E-01	4.34E+00	4.26E+00	2.37E+01
1.95E+01	1.10E+00	1.69E-04	2.81E-01	2.00E+00	4.32E-01	4.12E+00	4.06E+00	2.34E+01
1.84E+01	9.98E-01	1.07E-04	3.09E-01	2.64E+00	3.95E-01	3.56E+00	3.67E+00	2.26E+01
1.85E+01	8.86E-01	9.22E-05	3.53E-01	2.45E+00	5.19E-01	3.14E+00	3.26E+00	2.26E+01
1.90E+01	1.29E+00	9.64E-05	2.42E-01	2.69E+00	3.29E-01	4.76E+00	4.76E+00	2.36E+01
1.87E+01	1.12E+00	1.18E-04	2.73E-01	2.54E+00	3.70E-01	4.06E+00	4.12E+00	2.29E+01
2.24E+01	5.87E-01	6.19E-05	4.01E-01	4.61E+00	4.29E-01	2.62E+00	2.16E+00	2.89E+01
2.22E+01	5.71E-01	5.91E-05	5.01E-01	4.26E+00	6.02E-01	2.47E+00	2.10E+00	2.85E+01
2.25E+01	6.22E-01	6.36E-05	3.47E-01	4.74E+00	4.17E-01	2.81E+00	2.29E+00	2.92E+01
2.22E+01	6.01E-01	6.45E-05	3.99E-01	4.41E+00	4.37E-01	2.63E+00	2.21E+00	2.85E+01
2.23E+01	5.94E-01	6.34E-05	4.07E-01	4.48E+00	4.35E-01	2.62E+00	2.19E+00	2.87E+01
2.20E+01	5.76E-01	6.06E-05	5.00E-01	4.12E+00	5.97E-01	2.47E+00	2.12E+00	2.82E+01
2.23E+01	6.32E-01	6.50E-05	3.46E-01	4.61E+00	4.24E-01	2.80E+00	2.33E+00	2.88E+01
2.20E+01	6.09E-01	6.61E-05	3.96E-01	4.28E+00	4.44E-01	2.63E+00	2.24E+00	2.81E+01
2.21E+01	6.05E-01	6.51E-05	3.95E-01	4.38E+00	4.38E-01	2.64E+00	2.23E+00	2.84E+01
2.18E+01	5.85E-01	6.28E-05	4.81E-01	4.03E+00	5.51E-01	2.49E+00	2.16E+00	2.78E+01
2.21E+01	6.46E-01	6.66E-05	3.39E-01	4.52E+00	4.31E-01	2.83E+00	2.38E+00	2.85E+01
2.17E+01	6.21E-01	6.81E-05	3.86E-01	4.19E+00	4.50E-01	2.65E+00	2.29E+00	2.77E+01
2.33E+01	5.33E-01	5.39E-05	2.81E-01	6.46E+00	3.70E-01	2.72E+00	1.96E+00	3.17E+01
2.32E+01	5.19E-01	5.31E-05	3.32E-01	6.20E+00	4.34E-01	2.58E+00	1.91E+00	3.13E+01
2.31E+01	5.51E-01	5.14E-05	2.42E-01	6.48E+00	3.51E-01	2.89E+00	2.03E+00	3.16E+01
2.30E+01	5.39E-01	5.17E-05	2.76E-01	6.25E+00	3.68E-01	2.73E+00	1.99E+00	3.12E+01
2.28E+01	5.31E-01	5.17E-05	3.28E-01	5.99E+00	4.27E-01	2.59E+00	1.96E+00	3.07E+01
2.29E+01	5.68E-01	5.39E-05	2.13E-01	6.47E+00	3.44E-01	3.10E+00	2.09E+00	3.15E+01
2.27E+01	5.57E-01	5.23E-05	2.39E-01	6.28E+00	3.55E-01	2.90E+00	2.05E+00	3.10E+01
2.25E+01	5.44E-01	5.12E-05	2.72E-01	6.05E+00	3.70E-01	2.74E+00	2.00E+00	3.05E+01
1.30E+01	1.85E-01	5.55E-05	7.57E-02	1.19E+01	1.80E-01	1.10E+00	6.82E-01	2.57E+01
1.27E+01	1.87E-01	4.71E-05	8.04E-02	1.05E+01	1.99E-01	1.05E+00	6.87E-01	2.40E+01
1.25E+01	1.87E-01	3.35E-05	8.47E-02	8.93E+00	1.96E-01	1.01E+00	6.89E-01	2.22E+01
1.28E+01	1.86E-01	3.64E-05	8.15E-02	1.04E+01	2.06E-01	1.09E+00	6.83E-01	2.41E+01
1.26E+01	1.87E-01	4.69E-05	8.60E-02	9.23E+00	1.93E-01	1.05E+00	6.87E-01	2.26E+01

2904	488294.42	3857268.98	1.23223	0.41497	2.14271	1.69591	20.4672	1.34193	0.63294	0.41497
2905	488139.13	3857111.68	1.28369	0.41243	1.90128	1.3571	26.4359	0.98779	0.63527	0.41243
2906	488189.13	3857111.68	1.25159	0.41685	2.04495	1.44363	24.6489	1.16462	0.60708	0.41685
2907	488189.13	3857161.68	1.2664	0.41204	2.20248	1.45261	25.9389	1.26523	0.63334	0.41204
2908	487951.04	3856961.26	1.36276	0.40972	1.1436	1.09833	26.3177	1.18769	0.64938	0.40972
2909	488001.04	3856961.26	1.32267	0.41441	1.10368	1.13509	24.3371	1.04049	0.62605	0.41441
2910	488051.04	3856961.26	1.28461	0.41594	1.01097	1.16953	23.3614	0.85128	0.60631	0.41594
2911	488101.04	3856961.26	1.24467	0.42285	1.03537	1.25116	21.7518	0.80199	0.58462	0.42285
2912	487951.04	3857011.26	1.38862	0.40876	1.2137	1.14579	29.2241	1.25844	0.67508	0.40876
2913	488001.04	3857011.26	1.35101	0.41009	1.00089	1.15828	26.8634	1.09119	0.65116	0.41009
2914	488051.04	3857011.26	1.31192	0.41214	0.87166	1.1908	26.0485	0.90117	0.62887	0.41214
2915	488101.04	3857011.26	1.26508	0.41931	0.89164	1.27069	24.3725	0.83041	0.60484	0.41931
2916	488001.04	3857061.26	1.3775	0.40676	0.97672	1.19304	28.8623	1.15285	0.67788	0.40676
2917	488051.04	3857061.26	1.33535	0.41111	0.95161	1.23494	26.9083	0.97372	0.65205	0.41111
2918	488101.04	3857061.26	1.29093	0.41552	0.98929	1.29614	25.8497	0.86938	0.62732	0.41552
2919	487638.98	3856673.79	1.44225	0.38601	1.14708	1.07252	24.194	0.98526	0.64114	0.38601
2920	487688.98	3856673.79	1.40599	0.39307	1.1402	1.02976	25.7814	1.04883	0.62261	0.39307
2921	487638.98	3856723.79	1.46755	0.38388	1.23982	1.12709	25.4856	1.0204	0.66894	0.38388
2922	487688.98	3856723.79	1.43088	0.39029	1.20384	1.07911	27.0195	1.08165	0.64577	0.39029
2923	486324.61	3855740.57	1.70401	0.35654	1.89339	1.48688	6.46992	0.95403	0.80564	0.35654
2924	486374.61	3855740.57	1.70757	0.36466	1.74433	1.34795	6.36588	0.87538	0.80359	0.36466
2925	486424.61	3855740.57	1.69074	0.37517	1.69397	1.25821	6.20516	0.83387	0.80439	0.37517
2926	486324.61	3855790.57	1.74079	0.34273	1.90175	1.57959	6.35916	0.97733	0.79016	0.34273
2927	486374.61	3855790.57	1.74002	0.349	1.67365	1.43053	6.50027	0.90272	0.78491	0.349
2928	486424.61	3855790.57	1.71433	0.35895	1.57987	1.34825	6.57793	0.87406	0.78235	0.35895
2929	486324.61	3855840.57	1.77999	0.33156	1.77539	1.67861	6.03737	0.99774	0.80222	0.33156
2930	486374.61	3855840.57	1.75455	0.33812	1.69355	1.56753	6.58698	0.95796	0.78028	0.33812
2931	486424.61	3855840.57	1.73724	0.34548	1.57444	1.4491	6.81439	0.91236	0.77113	0.34548
2932	486324.61	3855890.57	1.79799	0.32751	1.81575	1.85972	5.61099	1.06609	0.83856	0.32751
2933	486374.61	3855890.57	1.77435	0.33128	1.72321	1.7265	6.40812	1.01296	0.80091	0.33128
2934	486424.61	3855890.57	1.75851	0.33515	1.60369	1.58709	6.88258	0.95523	0.77497	0.33515
2935	488735.69	3858285.64	1.78053	0.81769	2.38714	4.23375	8.58802	2.49925	1.01149	0.81769
2936	488765.69	3858285.64	1.7361	0.80376	2.35169	4.12916	8.04584	2.37999	0.98574	0.80376
2937	488735.69	3858315.64	1.88541	0.84404	2.4031	4.4838	9.03604	2.6762	1.04843	0.84404
2938	488765.69	3858315.64	1.82172	0.82754	2.34419	4.3331	8.33023	2.53749	1.01683	0.82754
2939	478676.63	3849871.93	0.65705	0.99721	0.15254	0.49666	0.65951	0.41195	1.00338	0.99721
2940	479326.63	3849871.93	0.79088	0.55646	0.12189	0.30314	0.65044	0.30272	0.55929	0.55646
2941	479376.63	3849871.93	0.80004	0.53908	0.12473	0.28905	0.60621	0.29853	0.54167	0.53908
2942	479426.63	3849871.93	0.80729	0.52846	0.12632	0.27205	0.56032	0.29931	0.5311	0.52846
2943	478726.63	3849921.93	0.66932	1.06621	0.15444	0.50085	0.6549	0.42051	1.0719	1.06621
2944	478776.63	3849921.93	0.69195	1.01397	0.14695	0.48571	0.6868	0.43482	1.01983	1.01397
2945	478826.63	3849921.93	0.70887	0.96257	0.1401	0.46742	0.71645	0.44117	0.96786	0.96257
2946	478976.63	3849921.93	0.74141	0.82371	0.12358	0.39135	0.77995	0.4228	0.82915	0.82371
2947	479026.63	3849921.93	0.74548	0.79707	0.1197	0.35987	0.78362	0.4147	0.80266	0.79707
2948	479076.63	3849921.93	0.75041	0.76009	0.11552	0.32888	0.78576	0.4002	0.76589	0.76009
2949	479126.63	3849921.93	0.75524	0.72165	0.11138	0.32154	0.78263	0.38359	0.72675	0.72165
2950	479176.63	3849921.93	0.75914	0.70749	0.10763	0.32289	0.77002	0.37087	0.71105	0.70749
2951	479226.63	3849921.93	0.76766	0.6694	0.10924	0.32446	0.75634	0.34747	0.67325	0.6694
2952	479276.63	3849921.93	0.78006	0.59877	0.11513	0.32482	0.73647	0.31954	0.60177	0.59877
2953	479326.63	3849921.93	0.78452	0.64039	0.12012	0.31367	0.69933	0.33117	0.64379	0.64039
2954	479376.63	3849921.93	0.79859	0.57215	0.12398	0.30628	0.66284	0.30867	0.57499	0.57215
2955	479426.63	3849921.93	0.80579	0.59163	0.1266	0.29138	0.62084	0.31698	0.59462	0.59163
2956	478726.63	3849971.93	0.65423	1.18236	0.16491	0.51534	0.61545	0.40817	1.18805	1.18236
2957	478776.63	3849971.93	0.68339	1.12567	0.15615	0.50607	0.65074	0.42837	1.13124	1.12567
2958	478826.63	3849971.93	0.70504	1.07375	0.14833	0.49204	0.6841	0.44129	1.07905	1.07375
2959	478976.63	3849971.93	0.73758	0.9457	0.13079	0.42384	0.75579	0.44558	0.95153	0.9457
2960	479026.63	3849971.93	0.74627	0.90003	0.1256	0.39673	0.77377	0.43362	0.90589	0.90003

1.26E+01	1.87E-01	5.44E-05	8.78E-02	9.43E+00	1.86E-01	1.09E+00	6.88E-01	2.29E+01
1.32E+01	1.86E-01	4.82E-05	7.03E-02	1.22E+01	1.37E-01	1.10E+00	6.83E-01	2.62E+01
1.28E+01	1.88E-01	5.19E-05	7.47E-02	1.14E+01	1.61E-01	1.05E+00	6.91E-01	2.50E+01
1.30E+01	1.85E-01	5.59E-05	7.52E-02	1.20E+01	1.75E-01	1.09E+00	6.83E-01	2.58E+01
1.40E+01	1.84E-01	2.90E-05	5.69E-02	1.21E+01	1.64E-01	1.12E+00	6.79E-01	2.69E+01
1.36E+01	1.87E-01	2.80E-05	5.88E-02	1.12E+01	1.44E-01	1.08E+00	6.87E-01	2.56E+01
1.32E+01	1.87E-01	2.56E-05	6.05E-02	1.08E+01	1.18E-01	1.05E+00	6.89E-01	2.47E+01
1.28E+01	1.90E-01	2.63E-05	6.48E-02	1.00E+01	1.11E-01	1.01E+00	7.01E-01	2.35E+01
1.42E+01	1.84E-01	3.08E-05	5.93E-02	1.35E+01	1.74E-01	1.17E+00	6.77E-01	2.86E+01
1.39E+01	1.85E-01	2.54E-05	6.00E-02	1.24E+01	1.51E-01	1.12E+00	6.79E-01	2.71E+01
1.35E+01	1.85E-01	2.21E-05	6.16E-02	1.20E+01	1.25E-01	1.09E+00	6.83E-01	2.62E+01
1.30E+01	1.89E-01	2.26E-05	6.58E-02	1.12E+01	1.15E-01	1.04E+00	6.95E-01	2.49E+01
1.41E+01	1.83E-01	2.48E-05	6.18E-02	1.33E+01	1.59E-01	1.17E+00	6.74E-01	2.83E+01
1.37E+01	1.85E-01	2.41E-05	6.39E-02	1.24E+01	1.35E-01	1.13E+00	6.81E-01	2.69E+01
1.32E+01	1.87E-01	2.51E-05	6.71E-02	1.19E+01	1.20E-01	1.08E+00	6.88E-01	2.59E+01
1.48E+01	1.74E-01	2.91E-05	5.55E-02	1.11E+01	1.36E-01	1.11E+00	6.40E-01	2.68E+01
1.44E+01	1.77E-01	2.89E-05	5.33E-02	1.19E+01	1.45E-01	1.07E+00	6.51E-01	2.71E+01
1.50E+01	1.73E-01	3.15E-05	5.83E-02	1.17E+01	1.41E-01	1.15E+00	6.36E-01	2.77E+01
1.47E+01	1.76E-01	3.05E-05	5.59E-02	1.25E+01	1.50E-01	1.11E+00	6.47E-01	2.80E+01
1.75E+01	1.60E-01	4.80E-05	7.70E-02	2.98E+00	1.32E-01	1.39E+00	5.91E-01	2.16E+01
1.75E+01	1.64E-01	4.42E-05	6.98E-02	2.93E+00	1.21E-01	1.39E+00	6.04E-01	2.16E+01
1.73E+01	1.69E-01	4.30E-05	6.51E-02	2.86E+00	1.15E-01	1.39E+00	6.22E-01	2.13E+01
1.79E+01	1.54E-01	4.82E-05	8.18E-02	2.93E+00	1.35E-01	1.36E+00	5.68E-01	2.19E+01
1.78E+01	1.57E-01	4.25E-05	7.41E-02	3.00E+00	1.25E-01	1.36E+00	5.78E-01	2.20E+01
1.76E+01	1.62E-01	4.01E-05	6.98E-02	3.03E+00	1.21E-01	1.35E+00	5.95E-01	2.17E+01
1.83E+01	1.49E-01	4.50E-05	8.69E-02	2.78E+00	1.38E-01	1.39E+00	5.49E-01	2.22E+01
1.80E+01	1.52E-01	4.30E-05	8.11E-02	3.04E+00	1.32E-01	1.35E+00	5.60E-01	2.22E+01
1.78E+01	1.55E-01	3.99E-05	7.50E-02	3.14E+00	1.26E-01	1.33E+00	5.72E-01	2.21E+01
1.84E+01	1.47E-01	4.61E-05	9.63E-02	2.59E+00	1.47E-01	1.45E+00	5.43E-01	2.23E+01
1.82E+01	1.49E-01	4.37E-05	8.94E-02	2.95E+00	1.40E-01	1.38E+00	5.49E-01	2.24E+01
1.80E+01	1.51E-01	4.07E-05	8.22E-02	3.17E+00	1.32E-01	1.34E+00	5.55E-01	2.24E+01
1.83E+01	3.68E-01	6.06E-05	2.19E-01	3.96E+00	3.46E-01	1.75E+00	1.35E+00	2.35E+01
1.78E+01	3.62E-01	5.97E-05	2.14E-01	3.71E+00	3.29E-01	1.70E+00	1.33E+00	2.28E+01
1.93E+01	3.80E-01	6.10E-05	2.32E-01	4.16E+00	3.70E-01	1.81E+00	1.40E+00	2.49E+01
1.87E+01	3.72E-01	5.95E-05	2.24E-01	3.84E+00	3.51E-01	1.76E+00	1.37E+00	2.39E+01
6.74E+00	4.49E-01	3.87E-06	2.57E-02	3.04E-01	5.70E-02	1.73E+00	1.65E+00	7.65E+00
8.11E+00	2.50E-01	3.09E-06	1.57E-02	3.00E-01	4.19E-02	9.66E-01	9.22E-01	8.76E+00
8.20E+00	2.43E-01	3.16E-06	1.50E-02	2.79E-01	4.13E-02	9.35E-01	8.93E-01	8.82E+00
8.28E+00	2.38E-01	3.20E-06	1.41E-02	2.58E-01	4.14E-02	9.17E-01	8.76E-01	8.87E+00
6.86E+00	4.80E-01	3.92E-06	2.59E-02	3.02E-01	5.81E-02	1.85E+00	1.77E+00	7.81E+00
7.10E+00	4.56E-01	3.73E-06	2.51E-02	3.17E-01	6.01E-02	1.76E+00	1.68E+00	8.03E+00
7.27E+00	4.33E-01	3.55E-06	2.42E-02	3.30E-01	6.10E-02	1.67E+00	1.59E+00	8.19E+00
7.60E+00	3.71E-01	3.13E-06	2.03E-02	3.59E-01	5.85E-02	1.43E+00	1.36E+00	8.48E+00
7.64E+00	3.59E-01	3.04E-06	1.86E-02	3.61E-01	5.73E-02	1.39E+00	1.32E+00	8.51E+00
7.69E+00	3.42E-01	2.93E-06	1.70E-02	3.62E-01	5.53E-02	1.32E+00	1.26E+00	8.53E+00
7.74E+00	3.25E-01	2.83E-06	1.66E-02	3.61E-01	5.30E-02	1.25E+00	1.20E+00	8.56E+00
7.78E+00	3.18E-01	2.73E-06	1.67E-02	3.55E-01	5.13E-02	1.23E+00	1.17E+00	8.58E+00
7.87E+00	3.01E-01	2.77E-06	1.68E-02	3.49E-01	4.80E-02	1.16E+00	1.11E+00	8.64E+00
8.00E+00	2.69E-01	2.92E-06	1.68E-02	3.39E-01	4.42E-02	1.04E+00	9.92E-01	8.72E+00
8.04E+00	2.88E-01	3.05E-06	1.62E-02	3.22E-01	4.58E-02	1.11E+00	1.06E+00	8.77E+00
8.19E+00	2.57E-01	3.15E-06	1.59E-02	3.05E-01	4.27E-02	9.93E-01	9.48E-01	8.85E+00
8.26E+00	2.66E-01	3.21E-06	1.51E-02	2.86E-01	4.38E-02	1.03E+00	9.80E-01	8.92E+00
6.71E+00	5.32E-01	4.18E-06	2.67E-02	2.84E-01	5.64E-02	2.05E+00	1.96E+00	7.70E+00
7.01E+00	5.07E-01	3.96E-06	2.62E-02	3.00E-01	5.92E-02	1.95E+00	1.87E+00	7.99E+00
7.23E+00	4.83E-01	3.76E-06	2.55E-02	3.15E-01	6.10E-02	1.86E+00	1.78E+00	8.20E+00
7.56E+00	4.26E-01	3.32E-06	2.19E-02	3.48E-01	6.16E-02	1.64E+00	1.57E+00	8.50E+00
7.65E+00	4.05E-01	3.19E-06	2.05E-02	3.57E-01	5.99E-02	1.56E+00	1.49E+00	8.57E+00

2961	479076.63	3849971.93	0.75289	0.85742	0.12088	0.36694	0.78555	0.41863	0.86331	0.85742
2962	479126.63	3849971.93	0.75699	0.81943	0.11668	0.33616	0.78892	0.40398	0.82498	0.81943
2963	479176.63	3849971.93	0.75998	0.78244	0.11266	0.32099	0.78461	0.3875	0.78771	0.78244
2964	479226.63	3849971.93	0.77354	0.69837	0.10667	0.33162	0.79216	0.34809	0.70322	0.69837
2965	479276.63	3849971.93	0.77392	0.69784	0.11176	0.32657	0.76501	0.35269	0.70142	0.69784
2966	479326.63	3849971.93	0.77786	0.70329	0.11748	0.31892	0.734	0.35276	0.70812	0.70329
2967	479376.63	3849971.93	0.79405	0.63701	0.12241	0.31788	0.7116	0.32817	0.64032	0.63701
2968	479426.63	3849971.93	0.8037	0.63225	0.12603	0.30704	0.67427	0.32732	0.63537	0.63225
2969	478726.63	3850021.93	0.63576	1.2992	0.17688	0.52216	0.57328	0.39037	1.30308	1.2992
2970	478776.63	3850021.93	0.67043	1.2342	0.16667	0.51978	0.611	0.41623	1.23887	1.2342
2971	478826.63	3850021.93	0.69876	1.1782	0.15785	0.51142	0.6465	0.43614	1.18254	1.1782
2972	478976.63	3850021.93	0.73805	1.04462	0.13766	0.45642	0.73249	0.4569	1.05011	1.04462
2973	478726.63	3850071.93	0.61714	1.40435	0.19072	0.52057	0.54683	0.368	1.41218	1.40435
2974	478776.63	3850071.93	0.65206	1.34542	0.17916	0.52464	0.56789	0.39947	1.3515	1.34542
2975	478826.63	3850071.93	0.68788	1.2798	0.16886	0.52307	0.60551	0.42526	1.28588	1.2798
2976	478876.63	3850071.93	0.7147	1.22825	0.15993	0.51552	0.64096	0.44487	1.23208	1.22825
2977	478976.63	3850071.93	0.73925	1.13802	0.14551	0.48419	0.70199	0.46447	1.14319	1.13802
2978	478726.63	3850121.93	0.60405	1.52374	0.20649	0.51068	0.54181	0.34162	1.52735	1.52374
2979	478776.63	3850121.93	0.63285	1.45849	0.19347	0.52103	0.54821	0.37762	1.46359	1.45849
2980	478826.63	3850121.93	0.67087	1.38947	0.18156	0.52657	0.56227	0.40875	1.38899	1.38947
2981	478876.63	3850121.93	0.70822	1.33034	0.17096	0.52649	0.60013	0.43396	1.33527	1.33034
2982	478976.63	3850121.93	0.74321	1.24122	0.15437	0.50602	0.66671	0.46657	1.24422	1.24122
2983	479026.63	3850121.93	0.75087	1.19458	0.14736	0.48931	0.69628	0.47193	1.20033	1.19458
2984	479076.63	3850121.93	0.75878	1.14009	0.14084	0.46934	0.72445	0.46955	1.14367	1.14009
2985	479126.63	3850121.93	0.76549	1.09657	0.13508	0.44533	0.74841	0.46195	1.10159	1.09657
2986	478776.63	3850171.93	0.6205	1.59216	0.20954	0.50995	0.54288	0.35117	1.59686	1.59216
2987	478826.63	3850171.93	0.65148	1.51308	0.1959	0.52237	0.5495	0.38664	1.51455	1.51308
2988	478876.63	3850171.93	0.69357	1.44063	0.18374	0.52884	0.55696	0.41751	1.44074	1.44063
2989	478976.63	3850171.93	0.75081	1.33114	0.16452	0.52169	0.62774	0.46284	1.33687	1.33114
2990	479026.63	3850171.93	0.75752	1.28104	0.15666	0.50974	0.65879	0.47527	1.28554	1.28104
2991	479076.63	3850171.93	0.76407	1.2302	0.14914	0.49429	0.69058	0.47884	1.23198	1.2302
2992	479126.63	3850171.93	0.77018	1.17661	0.14263	0.47407	0.7182	0.47649	1.17723	1.17661
2993	479176.63	3850171.93	0.77465	1.13307	0.13703	0.45004	0.73994	0.47002	1.13708	1.13307
2994	479226.63	3850171.93	0.77559	1.10497	0.13246	0.42293	0.74954	0.46343	1.10942	1.10497
2995	479276.63	3850171.93	0.77504	1.0668	0.1282	0.3948	0.7515	0.45523	1.07181	1.0668
2996	479326.63	3850171.93	0.7783	1.02397	0.12331	0.3655	0.76586	0.43829	1.02859	1.02397
2997	479376.63	3850171.93	0.78253	0.99347	0.11869	0.3356	0.77517	0.42047	1.00203	0.99347
2998	478676.63	3850221.93	0.61876	2.31934	0.26141	0.43842	0.51903	0.26291	2.28881	2.31934
2999	478726.63	3850221.93	0.61678	2.02088	0.24411	0.46701	0.52813	0.28082	2.00054	2.02088
3000	478976.63	3850221.93	0.75862	1.43951	0.17637	0.53129	0.58574	0.45343	1.44252	1.43951
3001	479026.63	3850221.93	0.7708	1.37089	0.16719	0.5259	0.61895	0.47226	1.37787	1.37089
3002	479076.63	3850221.93	0.77448	1.32086	0.15857	0.51597	0.65239	0.4826	1.32405	1.32086
3003	479126.63	3850221.93	0.77854	1.26478	0.15112	0.50076	0.68277	0.48624	1.26855	1.26478
3004	479176.63	3850221.93	0.78175	1.22428	0.14498	0.48048	0.70549	0.48557	1.22692	1.22428
3005	479226.63	3850221.93	0.78509	1.18132	0.13949	0.45691	0.72288	0.4804	1.18615	1.18132
3006	479276.63	3850221.93	0.78747	1.13968	0.13449	0.43077	0.73465	0.47205	1.14447	1.13968
3007	479326.63	3850221.93	0.79112	1.1013	0.12912	0.40298	0.75535	0.45606	1.10517	1.1013
3008	479376.63	3850221.93	0.79196	1.05993	0.12438	0.37355	0.76717	0.44041	1.06277	1.05993
3009	478676.63	3850271.93	0.66538	3.14049	0.2851	0.40119	0.50919	0.2524	3.08958	3.14049
3010	478726.63	3850271.93	0.65423	2.65845	0.26616	0.43463	0.5193	0.2625	2.62104	2.65845
3011	478976.63	3850271.93	0.75487	1.56627	0.18959	0.53304	0.55852	0.43736	1.56689	1.56627
3012	479026.63	3850271.93	0.79071	1.4847	0.17917	0.53441	0.57805	0.46287	1.48515	1.4847
3013	479076.63	3850271.93	0.79317	1.41935	0.16949	0.53071	0.61168	0.4805	1.42153	1.41935
3014	479126.63	3850271.93	0.79293	1.36144	0.16097	0.52134	0.64308	0.49091	1.36441	1.36144
3015	479176.63	3850271.93	0.79486	1.30808	0.15367	0.50653	0.67013	0.49506	1.31156	1.30808
3016	479226.63	3850271.93	0.79975	1.25775	0.1473	0.48711	0.69207	0.49382	1.26173	1.25775
3017	479276.63	3850271.93	0.80534	1.21279	0.14128	0.46454	0.71327	0.48663	1.217	1.21279

7.72E+00	3.86E-01	3.07E-06	1.90E-02	3.62E-01	5.79E-02	1.49E+00	1.42E+00	8.61E+00
7.76E+00	3.69E-01	2.96E-06	1.74E-02	3.64E-01	5.59E-02	1.42E+00	1.36E+00	8.63E+00
7.79E+00	3.52E-01	2.86E-06	1.66E-02	3.62E-01	5.36E-02	1.36E+00	1.30E+00	8.64E+00
7.93E+00	3.14E-01	2.71E-06	1.72E-02	3.65E-01	4.81E-02	1.21E+00	1.16E+00	8.73E+00
7.94E+00	3.14E-01	2.84E-06	1.69E-02	3.53E-01	4.88E-02	1.21E+00	1.16E+00	8.72E+00
7.98E+00	3.17E-01	2.98E-06	1.65E-02	3.38E-01	4.88E-02	1.22E+00	1.17E+00	8.75E+00
8.14E+00	2.87E-01	3.11E-06	1.65E-02	3.28E-01	4.54E-02	1.11E+00	1.06E+00	8.87E+00
8.24E+00	2.85E-01	3.20E-06	1.59E-02	3.11E-01	4.53E-02	1.10E+00	1.05E+00	8.95E+00
6.52E+00	5.85E-01	4.49E-06	2.70E-02	2.64E-01	5.40E-02	2.25E+00	2.15E+00	7.55E+00
6.87E+00	5.55E-01	4.23E-06	2.69E-02	2.82E-01	5.75E-02	2.14E+00	2.04E+00	7.89E+00
7.17E+00	5.30E-01	4.00E-06	2.65E-02	2.98E-01	6.03E-02	2.04E+00	1.95E+00	8.17E+00
7.57E+00	4.70E-01	3.49E-06	2.36E-02	3.38E-01	6.32E-02	1.81E+00	1.73E+00	8.54E+00
6.33E+00	6.32E-01	4.84E-06	2.69E-02	2.52E-01	5.09E-02	2.44E+00	2.33E+00	7.40E+00
6.69E+00	6.06E-01	4.54E-06	2.72E-02	2.62E-01	5.52E-02	2.33E+00	2.23E+00	7.74E+00
7.05E+00	5.76E-01	4.28E-06	2.71E-02	2.79E-01	5.88E-02	2.22E+00	2.12E+00	8.09E+00
7.33E+00	5.53E-01	4.06E-06	2.67E-02	2.95E-01	6.15E-02	2.13E+00	2.04E+00	8.36E+00
7.58E+00	5.12E-01	3.69E-06	2.51E-02	3.24E-01	6.42E-02	1.97E+00	1.89E+00	8.59E+00
6.19E+00	6.86E-01	5.24E-06	2.64E-02	2.50E-01	4.72E-02	2.64E+00	2.52E+00	7.32E+00
6.49E+00	6.56E-01	4.91E-06	2.70E-02	2.53E-01	5.22E-02	2.53E+00	2.42E+00	7.59E+00
6.88E+00	6.25E-01	4.61E-06	2.73E-02	2.59E-01	5.65E-02	2.40E+00	2.30E+00	7.94E+00
7.26E+00	5.99E-01	4.34E-06	2.73E-02	2.77E-01	6.00E-02	2.31E+00	2.20E+00	8.33E+00
7.62E+00	5.59E-01	3.92E-06	2.62E-02	3.07E-01	6.45E-02	2.15E+00	2.06E+00	8.67E+00
7.70E+00	5.38E-01	3.74E-06	2.53E-02	3.21E-01	6.52E-02	2.07E+00	1.98E+00	8.74E+00
7.78E+00	5.13E-01	3.57E-06	2.43E-02	3.34E-01	6.49E-02	1.97E+00	1.89E+00	8.80E+00
7.85E+00	4.94E-01	3.43E-06	2.31E-02	3.45E-01	6.39E-02	1.90E+00	1.82E+00	8.86E+00
6.36E+00	7.17E-01	5.32E-06	2.64E-02	2.50E-01	4.86E-02	2.76E+00	2.64E+00	7.52E+00
6.68E+00	6.81E-01	4.97E-06	2.70E-02	2.53E-01	5.35E-02	2.61E+00	2.51E+00	7.80E+00
7.11E+00	6.48E-01	4.66E-06	2.74E-02	2.57E-01	5.77E-02	2.49E+00	2.39E+00	8.20E+00
7.70E+00	5.99E-01	4.17E-06	2.70E-02	2.89E-01	6.40E-02	2.31E+00	2.21E+00	8.78E+00
7.77E+00	5.77E-01	3.97E-06	2.64E-02	3.04E-01	6.57E-02	2.22E+00	2.12E+00	8.84E+00
7.83E+00	5.54E-01	3.78E-06	2.56E-02	3.18E-01	6.62E-02	2.13E+00	2.04E+00	8.89E+00
7.90E+00	5.30E-01	3.62E-06	2.45E-02	3.31E-01	6.59E-02	2.03E+00	1.95E+00	8.93E+00
7.94E+00	5.10E-01	3.48E-06	2.33E-02	3.41E-01	6.50E-02	1.96E+00	1.88E+00	8.97E+00
7.95E+00	4.97E-01	3.36E-06	2.19E-02	3.45E-01	6.41E-02	1.92E+00	1.83E+00	8.97E+00
7.95E+00	4.80E-01	3.25E-06	2.04E-02	3.46E-01	6.29E-02	1.85E+00	1.77E+00	8.94E+00
7.98E+00	4.61E-01	3.13E-06	1.89E-02	3.53E-01	6.06E-02	1.78E+00	1.70E+00	8.95E+00
8.02E+00	4.47E-01	3.01E-06	1.74E-02	3.57E-01	5.81E-02	1.73E+00	1.65E+00	8.99E+00
6.34E+00	1.04E+00	6.63E-06	2.27E-02	2.39E-01	3.63E-02	3.95E+00	3.84E+00	7.80E+00
6.32E+00	9.09E-01	6.19E-06	2.42E-02	2.43E-01	3.88E-02	3.45E+00	3.35E+00	7.65E+00
7.78E+00	6.48E-01	4.47E-06	2.75E-02	2.70E-01	6.27E-02	2.49E+00	2.39E+00	8.89E+00
7.90E+00	6.17E-01	4.24E-06	2.72E-02	2.85E-01	6.53E-02	2.38E+00	2.27E+00	9.01E+00
7.94E+00	5.94E-01	4.02E-06	2.67E-02	3.01E-01	6.67E-02	2.29E+00	2.19E+00	9.03E+00
7.98E+00	5.69E-01	3.83E-06	2.59E-02	3.15E-01	6.72E-02	2.19E+00	2.10E+00	9.05E+00
8.02E+00	5.51E-01	3.68E-06	2.49E-02	3.25E-01	6.71E-02	2.12E+00	2.03E+00	9.07E+00
8.05E+00	5.32E-01	3.54E-06	2.37E-02	3.33E-01	6.64E-02	2.05E+00	1.96E+00	9.10E+00
8.07E+00	5.13E-01	3.41E-06	2.23E-02	3.39E-01	6.53E-02	1.98E+00	1.89E+00	9.10E+00
8.11E+00	4.96E-01	3.28E-06	2.09E-02	3.48E-01	6.31E-02	1.91E+00	1.82E+00	9.12E+00
8.12E+00	4.77E-01	3.16E-06	1.93E-02	3.54E-01	6.09E-02	1.83E+00	1.76E+00	9.11E+00
6.82E+00	1.41E+00	7.23E-06	2.08E-02	2.35E-01	3.49E-02	5.33E+00	5.20E+00	8.66E+00
6.71E+00	1.20E+00	6.75E-06	2.25E-02	2.39E-01	3.63E-02	4.53E+00	4.40E+00	8.32E+00
7.74E+00	7.05E-01	4.81E-06	2.76E-02	2.57E-01	6.05E-02	2.71E+00	2.60E+00	8.90E+00
8.11E+00	6.68E-01	4.55E-06	2.77E-02	2.66E-01	6.40E-02	2.56E+00	2.46E+00	9.24E+00
8.13E+00	6.39E-01	4.30E-06	2.75E-02	2.82E-01	6.64E-02	2.45E+00	2.35E+00	9.25E+00
8.13E+00	6.13E-01	4.08E-06	2.70E-02	2.96E-01	6.79E-02	2.36E+00	2.26E+00	9.23E+00
8.15E+00	5.89E-01	3.90E-06	2.62E-02	3.09E-01	6.84E-02	2.26E+00	2.17E+00	9.24E+00
8.20E+00	5.66E-01	3.74E-06	2.52E-02	3.19E-01	6.83E-02	2.18E+00	2.08E+00	9.27E+00
8.26E+00	5.46E-01	3.58E-06	2.40E-02	3.29E-01	6.73E-02	2.10E+00	2.01E+00	9.32E+00

3018	479326.63	3850271.93	0.80919	1.17315	0.13544	0.43922	0.73709	0.47345	1.17738	1.17315	8.30E+00	5.28E-01	3.44E-06	2.27E-02	3.40E-01	6.55E-02	2.03E+00	1.94E+00	9.34E+00
3019	479376.63	3850271.93	0.81027	1.13312	0.12995	0.41131	0.7607	0.45608	1.13624	1.13312	8.31E+00	5.10E-01	3.30E-06	2.13E-02	3.51E-01	6.31E-02	1.96E+00	1.88E+00	9.34E+00
3020	479053.24	3850293.52	0.80605	1.5008	0.17948	0.53533	0.57775	0.46913	1.50163	1.5008	8.27E+00	6.75E-01	4.55E-06	2.77E-02	2.66E-01	6.49E-02	2.59E+00	2.49E+00	9.41E+00
3021	479103.24	3850293.52	0.80294	1.43268	0.1699	0.53135	0.61032	0.48596	1.43458	1.43268	8.23E+00	6.45E-01	4.31E-06	2.75E-02	2.81E-01	6.72E-02	2.48E+00	2.37E+00	9.36E+00
3022	479153.24	3850293.52	0.80223	1.3739	0.16121	0.52221	0.64195	0.49503	1.37652	1.3739	8.23E+00	6.18E-01	4.09E-06	2.70E-02	2.96E-01	6.84E-02	2.38E+00	2.28E+00	9.34E+00
3023	479203.24	3850293.52	0.80603	1.31762	0.15405	0.50721	0.66724	0.49864	1.32091	1.31762	8.27E+00	5.93E-01	3.91E-06	2.63E-02	3.07E-01	6.89E-02	2.28E+00	2.18E+00	9.36E+00
3024	479253.24	3850293.52	0.8126	1.26738	0.14744	0.48813	0.69082	0.49582	1.27102	1.26738	8.33E+00	5.70E-01	3.74E-06	2.53E-02	3.18E-01	6.85E-02	2.19E+00	2.10E+00	9.41E+00
3025	479303.24	3850293.52	0.81787	1.22412	0.14108	0.4658	0.71649	0.4863	1.22796	1.22412	8.39E+00	5.51E-01	3.58E-06	2.41E-02	3.30E-01	6.72E-02	2.12E+00	2.03E+00	9.45E+00
3026	479353.24	3850293.52	0.81988	1.18426	0.13516	0.44028	0.74253	0.47163	1.18759	1.18426	8.41E+00	5.33E-01	3.43E-06	2.28E-02	3.42E-01	6.52E-02	2.05E+00	1.96E+00	9.46E+00
3027	479153.24	3850343.52	0.83328	1.48463	0.17249	0.53546	0.57196	0.49413	1.48546	1.48463	8.54E+00	6.68E-01	4.38E-06	2.77E-02	2.64E-01	6.83E-02	2.56E+00	2.46E+00	9.68E+00
3028	479203.24	3850343.52	0.84021	1.41473	0.16391	0.5269	0.58181	0.5032	1.41669	1.41473	8.62E+00	6.37E-01	4.16E-06	2.73E-02	2.68E-01	6.96E-02	2.45E+00	2.34E+00	9.72E+00
3029	479253.24	3850343.52	0.84579	1.35815	0.15583	0.51391	0.60282	0.50441	1.36065	1.35815	8.67E+00	6.11E-01	3.95E-06	2.66E-02	2.78E-01	6.97E-02	2.35E+00	2.25E+00	9.76E+00
3030	479303.24	3850343.52	0.84787	1.30868	0.14849	0.49635	0.69075	0.49874	1.31133	1.30868	8.69E+00	5.89E-01	3.77E-06	2.57E-02	3.18E-01	6.90E-02	2.26E+00	2.17E+00	9.79E+00
3031	479353.24	3850343.52	0.847	1.26283	0.14194	0.47447	0.71946	0.48757	1.2656	1.26283	8.69E+00	5.68E-01	3.60E-06	2.46E-02	3.32E-01	6.74E-02	2.19E+00	2.09E+00	9.77E+00
3032	479203.24	3850393.52	0.91066	1.54422	0.17491	0.53946	0.5742	0.50169	1.54403	1.54422	9.34E+00	6.95E-01	4.44E-06	2.79E-02	2.65E-01	6.94E-02	2.67E+00	2.56E+00	1.05E+01
3033	479253.24	3850393.52	0.90237	1.46908	0.16556	0.53305	0.58233	0.50898	1.46998	1.46908	9.25E+00	6.61E-01	4.20E-06	2.76E-02	2.68E-01	7.04E-02	2.54E+00	2.43E+00	1.04E+01
3034	479303.24	3850393.52	0.89283	1.4096	0.15712	0.5214	0.6041	0.50871	1.41107	1.4096	9.16E+00	6.34E-01	3.99E-06	2.70E-02	2.78E-01	7.03E-02	2.44E+00	2.34E+00	1.03E+01
3035	479353.24	3850393.52	0.88452	1.35684	0.1496	0.50455	0.62355	0.50175	1.35821	1.35684	9.07E+00	6.11E-01	3.80E-06	2.61E-02	2.87E-01	6.94E-02	2.34E+00	2.25E+00	1.02E+01
3036	479403.24	3850393.52	0.87628	1.30583	0.14299	0.48306	0.71969	0.48974	1.30744	1.30583	8.99E+00	5.88E-01	3.63E-06	2.50E-02	3.32E-01	6.77E-02	2.26E+00	2.16E+00	1.01E+01
3037	479453.24	3850393.52	0.86718	1.25914	0.13687	0.45784	0.75013	0.47252	1.26019	1.25914	8.89E+00	5.67E-01	3.47E-06	2.37E-02	3.46E-01	6.53E-02	2.18E+00	2.09E+00	9.98E+00
3038	479503.24	3850393.52	0.85653	1.20245	0.13126	0.42946	0.77911	0.45205	1.20151	1.20245	8.78E+00	5.41E-01	3.33E-06	2.22E-02	3.59E-01	6.25E-02	2.07E+00	1.99E+00	9.85E+00
3039	479303.24	3850443.52	0.96654	1.54873	0.16662	0.5404	0.58266	0.51356	1.54781	1.54873	9.91E+00	6.97E-01	4.23E-06	2.80E-02	2.69E-01	7.10E-02	2.67E+00	2.57E+00	1.11E+01
3040	479353.24	3850443.52	0.9434	1.4851	0.15781	0.53001	0.60512	0.5113	1.48449	1.4851	9.67E+00	6.68E-01	4.00E-06	2.74E-02	2.79E-01	7.07E-02	2.56E+00	2.46E+00	1.08E+01
3041	479403.24	3850443.52	0.926	1.42262	0.15004	0.51396	0.69619	0.50199	1.42212	1.42262	9.50E+00	6.40E-01	3.81E-06	2.66E-02	3.21E-01	6.94E-02	2.46E+00	2.36E+00	1.07E+01
3042	479453.24	3850443.52	0.91115	1.36352	0.1432	0.49277	0.7305	0.48717	1.36311	1.36352	9.34E+00	6.14E-01	3.63E-06	2.55E-02	3.37E-01	6.74E-02	2.35E+00	2.26E+00	1.05E+01
3043	479503.24	3850443.52	0.8957	1.30267	0.13708	0.46744	0.76347	0.4682	1.30149	1.30267	9.18E+00	5.86E-01	3.48E-06	2.42E-02	3.52E-01	6.47E-02	2.25E+00	2.16E+00	1.03E+01
3044	480327.18	3850987.04	0.99179	1.71433	0.16144	0.38378	0.76077	0.43676	1.70953	1.71433	1.02E+01	7.72E-01	4.10E-06	1.99E-02	3.51E-01	6.04E-02	2.95E+00	2.84E+00	1.15E+01
3045	480377.18	3850987.04	0.98833	1.60846	0.16038	0.36408	0.75974	0.43013	1.60503	1.60846	1.01E+01	7.24E-01	4.07E-06	1.88E-02	3.50E-01	5.95E-02	2.77E+00	2.67E+00	1.14E+01
3046	480427.18	3850987.04	0.9886	1.51111	0.15755	0.35943	0.75409	0.42604	1.50858	1.51111	1.01E+01	6.80E-01	4.00E-06	1.86E-02	3.48E-01	5.89E-02	2.60E+00	2.50E+00	1.13E+01
3047	480477.18	3850987.04	0.99254	1.41286	0.15298	0.35172	0.74371	0.42519	1.41089	1.41286	1.02E+01	6.36E-01	3.88E-06	1.82E-02	3.43E-01	5.88E-02	2.44E+00	2.34E+00	1.13E+01
3048	480327.18	3851037.04	1.03447	2.00301	0.16296	0.4289	0.76368	0.4473	2.00087	2.00301	1.06E+01	9.01E-01	4.13E-06	2.22E-02	3.52E-01	6.18E-02	3.45E+00	3.32E+00	1.21E+01
3049	480377.18	3851037.04	1.02345	1.85575	0.16346	0.39284	0.76826	0.43855	1.85376	1.85575	1.05E+01	8.35E-01	4.15E-06	2.03E-02	3.54E-01	6.06E-02	3.20E+00	3.07E+00	1.19E+01
3050	480427.18	3851037.04	1.01508	1.72958	0.16198	0.36826	0.76817	0.43195	1.72807	1.72958	1.04E+01	7.78E-01	4.11E-06	1.91E-02	3.54E-01	5.97E-02	2.98E+00	2.87E+00	1.17E+01
3051	480477.18	3851037.04	1.0109	1.60667	0.1585	0.36345	0.76316	0.42815	1.60567	1.60667	1.04E+01	7.23E-01	4.02E-06	1.88E-02	3.52E-01	5.92E-02	2.77E+00	2.66E+00	1.16E+01
3052	480622.06	3851087.39	1.03415	1.51039	0.25442	0.35032	0.75125	0.42778	1.51415	1.51039	1.06E+01	6.80E-01	6.45E-06	1.81E-02	3.46E-01	5.91E-02	2.61E+00	2.50E+00	1.18E+01
3053	480672.06	3851087.39	1.0338	1.61011	0.33309	0.33728	0.73376	0.42645	1.64327	1.61011	1.06E+01	7.25E-01	8.45E-06	1.75E-02	3.38E-01	5.90E-02	2.84E+00	2.67E+00	1.19E+01
3054	480622.06	3851137.39	1.06008	1.75739	0.21868	0.36378	0.77398	0.43169	1.76493	1.75739	1.09E+01	7.91E-01	5.55E-06	1.88E-02	3.57E-01	5.97E-02	3.05E+00	2.91E+00	1.22E+01
3055	480672.06	3851137.39	1.05881	1.62793	0.28981	0.35369	0.76174	0.42955	1.63594	1.62793	1.09E+01	7.33E-01	7.35E-06	1.83E-02	3.51E-01	5.94E-02	2.82E+00	2.70E+00	1.21E+01
3056	480722.06	3851137.39	1.05684	1.75256	0.37553	0.34062	0.7448	0.42742	1.78866	1.75256	1.08E+01	7.89E-01	9.53E-06	1.76E-02	3.43E-01	5.91E-02	3.09E+00	2.90E+00	1.22E+01
3057	480622.06	3851187.39	1.10718	2.1008	0.18581	0.37438	0.79032	0.43717	2.11644	2.1008	1.14E+01	9.45E-01	4.71E-06	1.94E-02	3.64E-01	6.04E-02	3.65E+00	3.48E+00	1.29E+01
3058	480672.06	3851187.39	1.09497	1.91601	0.25057	0.36696	0.78357	0.43518	1.9294	1.91601	1.12E+01	8.62E-01	6.36E-06	1.90E-02	3.61E-01	6.02E-02	3.33E+00	3.17E+00	1.27E+01
3059	480722.06	3851187.39	1.08899	1.7666	0.33011	0.35657	0.77188	0.43341	1.77751	1.7666	1.12E+01	7.95E-01	8.37E-06	1.85E-02	3.56E-01	5.99E-02	3.07E+00	2.93E+00	1.25E+01
3060	471363.09	3845877.25	0.32125	0.2534	0.06317	0.08912	0.14866	0.14915	0.22751	0.2534	3.29E+00	1.14E-01	1.60E-06	4.61E-03	6.85E-02	2.06E-02	3.93E-01	4.20E-01	3.47E+00
3061	471863.09	3845877.25	0.35159	0.21456	0.06541	0.0886	0.19859	0.1656	0.19245	0.21456	3.61E+00	9.66E-02	1.66E-06	4.59E-03	9.15E-02	2.29E-02	3.32E-01	3.56E-01	3.80E+00
3062	472363.09	3845877.25	0.36148	0.21137	0.16352	0.13052	0.26684	0.17319	0.21153	0.21137	3.71E+00	9.51E-02	4.15E-06	6.76E-03	1.23E-01	2.39E-02	3.65E-01	3.50E-01	3.97E+00
3063	472863.09	3845877.25	0.34734	0.21308	0.12545	0.17066	0.33212	0.17063	0.21988	0.21308	3.56E+00	9.59E-02	3.18E-06	8.83E-03	1.53E-01	2.36E-02	3.80E-01	3.53E-01	3.87E+00
3064	473363.09	3845877.25	0.31317	0.20397	0.13971	0.19424	0.38291	0.15803	0.22624	0.20397	3.21E+00	9.18E-02	3.54E-06	1.01E-02	1.76E-01	2.18E-02	3.91E-01	3.38E-01	3.56E+00
3065	473863.09	3845877.25	0.26339	0.17829	0.10673	0.24216	0.40412	0.13757	0.20832	0.17829	2.70E+00	8.02E-02	2.71E-06	1.25E-02	1.86E-01	1.90E-02	3.60E-01	2.95E-01	3.06E+00
3066	474363.09	3845877.25	0.20818	0.1444	0.07435	0.16258	0.39792	0.11313	0.17264	0.1444	2.13E+00	6.50E-02	1.89E-06	8.42E-03	1.83E-01	1.56E-02	2.98E-01	2.39E-01	2.47E+00
3067	474863.09	3845877.25	0.25853	0.15281	0.07492	0.18168	0.33669	0.08954	0.15407	0.15281	2.65E+00	6.88E-02	1.90E-06	9.40E-03	1.55E-01	1.24E-02	2.66E-01	2.53E-01	2.91E+00
3068	475363.09	3845877.25	0.42061	0.18026	0.06717	0.09234	0.29781	0.15048	0.18185	0.18026	4.31E+00	8.11E-02	1.70E-06	4.78E-03	1.37E-01	2.08E-02	3.14E-01	2.99E-01	4.57E+00
3069	475863.09	3845877.25	0.52356	0.17805	0.05265	0.0706	0.20945	0.14577	0.17967	0.17805	5.37E+00	8.01E-02	1.34E-06	3.65E-03	9.65E-02	2.02E-02	3.10E-01	2.95E-01	5.58E+00
3070	476363.09	3845877.25	0.49115	0.16155	0.06625	0.13321	0.15422	0.14346	0.18928	0.16155	5.04E+00	7.27E-02	1.68E-06	6.90E-03	7.11E-02	1.98E-02	3.27E-01	2.68E-01	5.27E+00
3071	476863.09	3845877.25	0.35236	0.14299	0.05771	0.18851	0.11543	0.13985	0.15278	0.14299	3.61E+00	6.44E-02	1.46E-06	9.76E-03	5.32E-02	1.93E-02	2.64E-01	2.37E-01	3.79E+00
3072	477363.09	3845877.25	0.22563	0.12711	0.05636	0.20718	0.38157	0.1151	0.12821	0.12711	2.31E+00	5.72E-02	1.43E-06	1.07E-02	1.76E-01	1.59E-02	2.21E-01	2.11E-01	2.58E+00
3073	477863.09	3845877.25	0.24339	0.10738	0.06533	0.14922	0.62292	0.07594	0.10829	0.10738	2.50E+00	4.83E-02	1.66E-06	7.72E-03	2.87E-01	1.05E-02	1.87E-01	1.78E-01	2.86E+00
3074	478363.09	3845877.25	0.27552	0.09919	0.07672	0.08485	0.55178	0.05572	0.09611	0.09919	2.83E+00	4.46E-02	1.95E-06	4.39E-03	2.54E-01	7.70E-03	1.66E-01	1.64E-01	3.14E+00

3075	478863.09	3845877.25	0.25352	0.10528	0.08208	0.06205	0.16337	0.06437	0.09617	0.10528	2.60E+00	4.74E-02	2.08E-06	3.21E-03	7.53E-02	8.90E-03	1.66E-01	1.74E-01	2.73E+00
3076	479363.09	3845877.25	0.31439	0.09297	0.0799	0.0793	0.09609	0.06972	0.08354	0.09297	3.22E+00	4.18E-02	2.03E-06	4.11E-03	4.43E-02	9.64E-03	1.44E-01	1.54E-01	3.31E+00
3077	479863.09	3845877.25	0.29152	0.08882	0.08633	0.07263	0.10669	0.07121	0.07782	0.08882	2.99E+00	4.00E-02	2.19E-06	3.76E-03	4.92E-02	9.84E-03	1.34E-01	1.47E-01	3.08E+00
3078	480363.09	3845877.25	0.29462	0.07221	0.11575	0.07337	0.14057	0.07465	0.07418	0.07221	3.02E+00	3.25E-02	2.94E-06	3.80E-03	6.48E-02	1.03E-02	1.28E-01	1.20E-01	3.14E+00
3079	480863.09	3845877.25	0.30074	0.07054	0.10746	0.0764	0.1748	0.07887	0.07189	0.07054	3.08E+00	3.17E-02	2.73E-06	3.95E-03	8.06E-02	1.09E-02	1.24E-01	1.17E-01	3.22E+00
3080	481363.09	3845877.25	0.29836	0.06884	0.07963	0.07589	0.19852	0.08331	0.06974	0.06884	3.06E+00	3.10E-02	2.02E-06	3.93E-03	9.15E-02	1.15E-02	1.20E-01	1.14E-01	3.20E+00
3081	481863.09	3845877.25	0.22656	0.05821	0.04958	0.07188	0.20049	0.09955	0.06179	0.05821	2.32E+00	2.62E-02	1.26E-06	3.72E-03	9.24E-02	1.38E-02	1.07E-01	9.65E-02	2.47E+00
3082	482363.09	3845877.25	0.16553	0.05112	0.0487	0.06504	0.1759	0.11279	0.0537	0.05112	1.70E+00	2.30E-02	1.24E-06	3.37E-03	8.11E-02	1.56E-02	9.27E-02	8.47E-02	1.83E+00
3083	482863.09	3845877.25	0.16418	0.05244	0.06648	0.07204	0.18592	0.11309	0.05164	0.05244	1.68E+00	2.36E-02	1.69E-06	3.73E-03	8.57E-02	1.56E-02	8.92E-02	8.69E-02	1.81E+00
3084	483363.09	3845877.25	0.14543	0.06748	0.07997	0.09193	0.35611	0.09958	0.05543	0.06748	1.49E+00	3.04E-02	2.03E-06	4.76E-03	1.64E-01	1.38E-02	9.57E-02	1.12E-01	1.69E+00
3085	483863.09	3845877.25	0.11122	0.05271	0.08385	0.10668	0.44061	0.07732	0.04841	0.05271	1.14E+00	2.37E-02	2.13E-06	5.52E-03	2.03E-01	1.07E-02	8.36E-02	8.73E-02	1.38E+00
3086	484363.09	3845877.25	0.09791	0.04772	0.07653	0.10655	0.34456	0.05453	0.04659	0.04772	1.00E+00	2.15E-02	1.94E-06	5.52E-03	1.59E-01	7.54E-03	8.04E-02	7.91E-02	1.20E+00
3087	484863.09	3845877.25	0.09451	0.04659	0.06241	0.09059	0.20722	0.0429	0.04693	0.04659	9.69E-01	2.10E-02	1.58E-06	4.69E-03	9.55E-02	5.93E-03	8.10E-02	7.72E-02	1.10E+00
3088	485363.09	3845877.25	0.09161	0.04688	0.05882	0.07177	0.13215	0.0453	0.04723	0.04688	9.39E-01	2.11E-02	1.49E-06	3.72E-03	6.09E-02	6.26E-03	8.15E-02	7.77E-02	1.04E+00
3089	485863.09	3845877.25	0.09215	0.04712	0.0616	0.06749	0.12695	0.05271	0.04748	0.04712	9.45E-01	2.12E-02	1.56E-06	3.49E-03	5.85E-02	7.29E-03	8.20E-02	7.81E-02	1.04E+00
3090	486363.09	3845877.25	0.09559	0.04733	0.05764	0.06081	0.11492	0.06089	0.04769	0.04733	9.80E-01	2.13E-02	1.46E-06	3.15E-03	5.30E-02	8.42E-03	8.23E-02	7.84E-02	1.07E+00
3091	486863.09	3845877.25	0.09912	0.0475	0.04658	0.05302	0.18884	0.06682	0.04786	0.0475	1.02E+00	2.14E-02	1.18E-06	2.74E-03	8.70E-02	9.24E-03	8.26E-02	7.87E-02	1.14E+00
3092	487363.09	3845877.25	0.09919	0.04763	0.05565	0.04535	0.27477	0.081	0.04799	0.04763	1.02E+00	2.14E-02	1.41E-06	2.35E-03	1.27E-01	1.12E-02	8.29E-02	7.89E-02	1.18E+00
3093	487863.09	3845877.25	0.09264	0.04774	0.05952	0.04572	0.2977	0.08148	0.0481	0.04774	9.50E-01	2.15E-02	1.51E-06	2.37E-03	1.37E-01	1.13E-02	8.30E-02	7.91E-02	1.13E+00
3094	488363.09	3845877.25	0.09781	0.04782	0.04855	0.04245	0.39871	0.08816	0.04818	0.04782	1.00E+00	2.15E-02	1.23E-06	2.20E-03	1.84E-01	1.22E-02	8.32E-02	7.92E-02	1.23E+00
3095	488863.09	3845877.25	0.10331	0.04787	0.0471	0.08803	0.35806	0.08677	0.04824	0.04787	1.06E+00	2.15E-02	1.19E-06	4.56E-03	1.65E-01	1.20E-02	8.33E-02	7.93E-02	1.27E+00
3096	489363.09	3845877.25	0.09319	0.0479	0.04631	0.09524	0.14841	0.07015	0.04827	0.0479	9.56E-01	2.16E-02	1.17E-06	4.93E-03	6.84E-02	9.70E-03	8.33E-02	7.94E-02	1.06E+00
3097	489863.09	3845877.25	0.06655	0.04791	0.04531	0.07572	0.13898	0.04422	0.04828	0.04791	6.82E-01	2.16E-02	1.15E-06	3.92E-03	6.40E-02	6.11E-03	8.34E-02	7.94E-02	7.82E-01
3098	490363.09	3845877.25	0.06094	0.04789	0.05948	0.06359	0.15066	0.04749	0.04826	0.04789	6.25E-01	2.16E-02	1.51E-06	3.29E-03	6.94E-02	6.57E-03	8.33E-02	7.94E-02	7.30E-01
3099	490863.09	3845877.25	0.06608	0.04786	0.05723	0.0581	0.20784	0.0513	0.04823	0.04786	6.78E-01	2.15E-02	1.45E-06	3.01E-03	9.58E-02	7.09E-03	8.33E-02	7.93E-02	8.09E-01
3100	491363.09	3845877.25	0.06983	0.04781	0.05309	0.05784	0.23503	0.0531	0.04817	0.04781	7.16E-01	2.15E-02	1.35E-06	2.99E-03	1.08E-01	7.34E-03	8.32E-02	7.92E-02	8.60E-01
3101	491863.09	3845877.25	0.07151	0.04774	0.04344	0.0667	0.16152	0.05179	0.0481	0.04774	7.33E-01	2.15E-02	1.10E-06	3.45E-03	7.44E-02	7.16E-03	8.30E-02	7.91E-02	8.44E-01
3102	492363.09	3845877.25	0.06884	0.04765	0.05197	0.07318	0.11356	0.04654	0.04801	0.04765	7.06E-01	2.14E-02	1.32E-06	3.79E-03	5.23E-02	6.43E-03	8.29E-02	7.90E-02	7.94E-01
3103	492863.09	3845877.25	0.06418	0.04755	0.04883	0.05483	0.09283	0.03865	0.04791	0.04755	6.58E-01	2.14E-02	1.24E-06	2.84E-03	4.28E-02	5.34E-03	8.27E-02	7.88E-02	7.34E-01
3104	493363.09	3845877.25	0.06086	0.04743	0.0444	0.07783	0.11867	0.03598	0.04779	0.04743	6.24E-01	2.13E-02	1.13E-06	4.03E-03	5.47E-02	4.97E-03	8.25E-02	7.86E-02	7.13E-01
3105	493863.09	3845877.25	0.05842	0.0473	0.05396	0.08648	0.18109	0.03663	0.04766	0.0473	5.99E-01	2.13E-02	1.37E-06	4.48E-03	8.35E-02	5.06E-03	8.23E-02	7.84E-02	7.17E-01
3106	494363.09	3845877.25	0.05746	0.04716	0.04534	0.08212	0.20193	0.03939	0.04752	0.04716	5.89E-01	2.12E-02	1.15E-06	4.25E-03	9.31E-02	5.45E-03	8.20E-02	7.81E-02	7.17E-01
3107	494863.09	3845877.25	0.06308	0.04701	0.03882	0.07378	0.16775	0.03952	0.04737	0.04701	6.47E-01	2.12E-02	9.85E-07	3.82E-03	7.73E-02	5.46E-03	8.18E-02	7.79E-02	7.58E-01
3108	495363.09	3845877.25	0.06986	0.04685	0.03599	0.05671	0.20406	0.04483	0.04721	0.04685	7.16E-01	2.11E-02	9.13E-07	2.94E-03	9.40E-02	6.20E-03	8.15E-02	7.76E-02	8.44E-01
3109	495863.09	3845877.25	0.07556	0.04669	0.0326	0.04377	0.22794	0.05608	0.04704	0.04669	7.75E-01	2.10E-02	8.27E-07	2.27E-03	1.05E-01	7.75E-03	8.12E-02	7.74E-02	9.15E-01
3110	496363.09	3845877.25	0.08011	0.04652	0.03884	0.03917	0.21773	0.04138	0.04687	0.04652	8.21E-01	2.09E-02	9.85E-07	2.03E-03	1.00E-01	5.72E-03	8.09E-02	7.71E-02	9.54E-01
3111	496863.09	3845877.25	0.08365	0.04634	0.04799	0.05306	0.21153	0.04109	0.04669	0.04634	8.58E-01	2.09E-02	1.22E-06	2.75E-03	9.75E-02	5.68E-03	8.06E-02	7.68E-02	9.88E-01
3112	497363.09	3845877.25	0.08625	0.04616	0.03717	0.06563	0.16415	0.04593	0.0465	0.04616	8.84E-01	2.08E-02	9.43E-07	3.40E-03	7.56E-02	6.35E-03	8.03E-02	7.65E-02	9.94E-01
3113	497863.09	3845877.25	0.08757	0.04597	0.04228	0.07284	0.1467	0.04244	0.04632	0.04597	8.98E-01	2.07E-02	1.07E-06	3.77E-03	6.76E-02	5.87E-03	8.00E-02	7.62E-02	1.00E+00
3114	498363.09	3845877.25	0.08689	0.04579	0.03289	0.06841	0.13181	0.03624	0.04613	0.04579	8.91E-01	2.06E-02	8.34E-07	3.54E-03	6.07E-02	5.01E-03	7.96E-02	7.59E-02	9.85E-01
3115	471363.09	3846377.25	0.27403	2.01229	0.09048	0.30967	0.66608	0.1945	2.02775	2.01229	2.81E+00	9.06E-01	2.30E-06	1.60E-02	3.07E-01	2.69E-02	3.50E+00	3.33E+00	4.23E+00
3116	471863.09	3846377.25	0.32136	1.07671	0.06359	0.20016	0.38258	0.14727	1.0892	1.07671	3.30E+00	4.85E-01	1.61E-06	1.04E-02	1.76E-01	2.04E-02	1.88E+00	1.78E+00	4.08E+00
3117	472363.09	3846377.25	0.35476	0.22656	0.06777	0.07888	0.18221	0.16615	0.20071	0.22656	3.64E+00	1.02E-01	1.72E-06	4.08E-03	8.40E-02	2.30E-02	3.47E-01	3.75E-01	3.82E+00
3118	472863.09	3846377.25	0.36967	0.21197	0.15125	0.12162	0.25204	0.17646	0.19678	0.21197	3.79E+00	9.54E-02	3.84E-06	6.30E-03	1.16E-01	2.44E-02	3.40E-01	3.51E-01	4.02E+00
3119	473363.09	3846377.25	0.36158	0.22302	0.16366	0.16668	0.32409	0.17623	0.22606	0.22302	3.71E+00	1.00E-01	4.15E-06	8.63E-03	1.49E-01	2.44E-02	3.90E-01	3.70E-01	4.01E+00
3120	473863.09	3846377.25	0.33055	0.21936	0.1676	0.19785	0.38466	0.16533	0.24061	0.21936	3.39E+00	9.87E-02	4.25E-06	1.02E-02	1.77E-01	2.29E-02	4.15E-01	3.63E-01	3.75E+00
3121	474363.09	3846377.25	0.28089	0.19946	0.13408	0.29433	0.41567	0.14799	0.23121	0.19946	2.88E+00	8.98E-02	3.40E-06	1.52E-02	1.92E-01	2.05E-02	3.99E-01	3.30E-01	3.27E+00
3122	474863.09	3846377.25	0.22266	0.19836	0.0884	0.18703	0.47538	0.12018	0.20011	0.19836	2.28E+00	8.93E-02	2.24E-06	9.68E-03	2.19E-01	1.66E-02	3.45E-01	3.29E-01	2.63E+00
3123	475363.09	3846377.25	0.30367	0.1941	0.07689	0.20378	0.36373	0.09646	0.1955	0.1941	3.11E+00	8.74E-02	1.95E-06	1.05E-02	1.68E-01	1.33E-02	3.38E-01	3.22E-01	3.41E+00
3124	475863.09	3846377.25	0.46768	0.18856	0.06742	0.10963	0.32869	0.17863	0.18854	0.18856	4.80E+00	8.49E-02	1.71E-06	5.68E-03	1.51E-01	2.47E-02	3.26E-01	3.12E-01	5.08E+00
3125	476363.09	3846377.25	0.55576	0.19237	0.05662	0.074	0.22313	0.15184	0.16801	0.19237	5.70E+00	8.66E-02	1.44E-06	3.83E-03	1.03E-01	2.10E-02	2.90E-01	3.19E-01	5.88E+00
3126	476863.09	3846377.25	0.49921	0.17048	0.07045	0.15176	0.16278	0.15376	0.2003	0.17048	5.12E+00	7.67E-02	1.79E-06	7.86E-03	7.50E-02	2.13E-02	3.46E-01	2.82E-01	5.36E+00
3127	477363.09	3846377.25	0.34847	0.13702	0.05966	0.21378	0.12032	0.15125	0.16694	0.13702	3.57E+00	6.17E-02	1.51E-06	1.11E-02	5.54E-02	2.09E-02	2.88E-01	2.27E-01	3.78E+00
3128	477863.09	3846377.25	0.22167	0.1324	0.05951	0.2119	0.45887	0.11672	0.13372	0.1324	2.27E+00	5.96E-02	1.51E-06	1.10E-02	2.11E-01	1.61E-02	2.31E-01	2.19E-01	2.58E+00
3129	478363.09	3846377.25	0.30264	0.1296	0.07342	0.15123	0.67424	0.07483	0.13081	0.1296	3.10E+00	5.83E-02	1.86E-06	7.83E-03	3.11E-01	1.03E-02	2.26E-01	2.15E-01	3.50E+00
3130	478863.09	3846377.25	0.31478	0.12782	0.08293	0.08582	0.56878	0.06156	0.12901	0.12782	3.23E+00	5.75E-02	2.10E-06	4.44E-03	2.62E-01	8.51E-03	2.23E-01	2.12E-01	3.57E+00
3131	479363.09	3846377.25	0.32202	0.12606	0.0844	0.08809	0.13052	0.06925	0.1272	0.12606	3.30E+00	5.67E-02	2.14E-06	4.56E-03	6.01E-02	9.57E-03	2.20E-01	2.09E-01	3.44E+00

3132	479863.09	3846377.25	0.3403	0.12419	0.07839	0.08753	0.09763	0.07259	0.12514	0.12419	3.49E+00	5.59E-02	1.99E-06	4.53E-03	4.50E-02	1.00E-02	2.16E-01	2.06E-01	3.62E+00
3133	480363.09	3846377.25	0.29308	0.1228	0.11325	0.07699	0.12291	0.0749	0.12374	0.1228	3.01E+00	5.53E-02	2.87E-06	3.99E-03	5.66E-02	1.04E-02	2.14E-01	2.03E-01	3.14E+00
3134	480863.09	3846377.25	0.30432	0.11474	0.11523	0.07678	0.16006	0.08426	0.1153	0.11474	3.12E+00	5.16E-02	2.92E-06	3.97E-03	7.38E-02	1.16E-02	1.99E-01	1.90E-01	3.27E+00
3135	481363.09	3846377.25	0.29729	0.08137	0.09356	0.07817	0.21885	0.09237	0.08231	0.08137	3.05E+00	3.66E-02	2.37E-06	4.05E-03	1.01E-01	1.28E-02	1.42E-01	1.35E-01	3.21E+00
3136	481863.09	3846377.25	0.30635	0.06659	0.08101	0.07588	0.20934	0.09482	0.06736	0.06659	3.14E+00	3.00E-02	2.06E-06	3.93E-03	9.65E-02	1.31E-02	1.16E-01	1.10E-01	3.29E+00
3137	482363.09	3846377.25	0.24211	0.062	0.04991	0.07017	0.19948	0.11142	0.06246	0.062	2.48E+00	2.79E-02	1.27E-06	3.63E-03	9.19E-02	1.54E-02	1.08E-01	1.03E-01	2.63E+00
3138	482863.09	3846377.25	0.16755	0.06153	0.06299	0.06645	0.15965	0.11698	0.06199	0.06153	1.72E+00	2.77E-02	1.60E-06	3.44E-03	7.36E-02	1.62E-02	1.07E-01	1.02E-01	1.84E+00
3139	483363.09	3846377.25	0.15518	0.07237	0.08224	0.086	0.3008	0.10781	0.0616	0.07237	1.59E+00	3.26E-02	2.09E-06	4.45E-03	1.39E-01	1.49E-02	1.06E-01	1.20E-01	1.77E+00
3140	483863.09	3846377.25	0.12492	0.06075	0.08557	0.10422	0.44267	0.08701	0.06121	0.06075	1.28E+00	2.73E-02	2.17E-06	5.40E-03	2.04E-01	1.20E-02	1.06E-01	1.01E-01	1.53E+00
3141	484363.09	3846377.25	0.09829	0.06035	0.07782	0.11005	0.40434	0.06247	0.06082	0.06035	1.01E+00	2.72E-02	1.97E-06	5.70E-03	1.86E-01	8.64E-03	1.05E-01	1.00E-01	1.24E+00
3142	484863.09	3846377.25	0.09475	0.06	0.07831	0.09828	0.22365	0.04392	0.06047	0.06	9.72E-01	2.70E-02	1.99E-06	5.09E-03	1.03E-01	6.07E-03	1.04E-01	9.94E-02	1.12E+00
3143	485363.09	3846377.25	0.09175	0.05963	0.06439	0.07791	0.16898	0.04559	0.0601	0.05963	9.41E-01	2.68E-02	1.63E-06	4.03E-03	7.79E-02	6.30E-03	1.04E-01	9.88E-02	1.06E+00
3144	485863.09	3846377.25	0.09208	0.05925	0.06728	0.07004	0.12893	0.05316	0.05972	0.05925	9.44E-01	2.67E-02	1.71E-06	3.63E-03	5.94E-02	7.35E-03	1.03E-01	9.82E-02	1.05E+00
3145	486363.09	3846377.25	0.0954	0.05887	0.05162	0.06397	0.1222	0.06156	0.05933	0.05887	9.78E-01	2.65E-02	1.31E-06	3.31E-03	5.63E-02	8.51E-03	1.02E-01	9.75E-02	1.08E+00
3146	486863.09	3846377.25	0.09941	0.0585	0.04743	0.05623	0.1889	0.0678	0.05896	0.0585	1.02E+00	2.63E-02	1.20E-06	2.91E-03	8.71E-02	9.37E-03	1.02E-01	9.69E-02	1.15E+00
3147	487363.09	3846377.25	0.09998	0.05813	0.06174	0.04841	0.28137	0.08239	0.05858	0.05813	1.03E+00	2.62E-02	1.57E-06	2.51E-03	1.30E-01	1.14E-02	1.01E-01	9.63E-02	1.20E+00
3148	487863.09	3846377.25	0.09451	0.05775	0.05649	0.0517	0.30696	0.08346	0.05821	0.05775	9.69E-01	2.60E-02	1.43E-06	2.68E-03	1.41E-01	1.15E-02	1.01E-01	9.57E-02	1.16E+00
3149	488363.09	3846377.25	0.09931	0.05737	0.05093	0.07016	0.4175	0.09204	0.05782	0.05737	1.02E+00	2.58E-02	1.29E-06	3.63E-03	1.92E-01	1.27E-02	9.98E-02	9.51E-02	1.26E+00
3150	488863.09	3846377.25	0.10421	0.05698	0.0445	0.08964	0.34192	0.08732	0.05743	0.05698	1.07E+00	2.56E-02	1.13E-06	4.64E-03	1.58E-01	1.21E-02	9.92E-02	9.44E-02	1.27E+00
3151	489363.09	3846377.25	0.09228	0.05658	0.04709	0.09724	0.19343	0.0698	0.05703	0.05658	9.46E-01	2.55E-02	1.19E-06	5.03E-03	8.91E-02	9.65E-03	9.85E-02	9.37E-02	1.08E+00
3152	489863.09	3846377.25	0.06463	0.05619	0.06144	0.08857	0.15287	0.04427	0.05662	0.05619	6.63E-01	2.53E-02	1.56E-06	4.58E-03	7.04E-02	6.12E-03	9.78E-02	9.31E-02	7.74E-01
3153	490363.09	3846377.25	0.06398	0.05578	0.04768	0.06396	0.14322	0.04974	0.05622	0.05578	6.56E-01	2.51E-02	1.21E-06	3.31E-03	6.60E-02	6.88E-03	9.71E-02	9.24E-02	7.62E-01
3154	490863.09	3846377.25	0.0685	0.05538	0.06055	0.05853	0.23319	0.05285	0.05581	0.05538	7.02E-01	2.49E-02	1.54E-06	3.03E-03	1.07E-01	7.31E-03	9.64E-02	9.18E-02	8.50E-01
3155	491363.09	3846377.25	0.07162	0.05498	0.04863	0.05846	0.22557	0.05382	0.05541	0.05498	7.34E-01	2.47E-02	1.23E-06	3.03E-03	1.04E-01	7.44E-03	9.57E-02	9.11E-02	8.78E-01
3156	491863.09	3846377.25	0.07237	0.05459	0.04984	0.06882	0.13132	0.05147	0.05501	0.05459	7.42E-01	2.46E-02	1.26E-06	3.56E-03	6.05E-02	7.12E-03	9.50E-02	9.05E-02	8.42E-01
3157	492363.09	3846377.25	0.06788	0.05419	0.05392	0.07457	0.11197	0.04511	0.05461	0.05419	6.96E-01	2.44E-02	1.37E-06	3.86E-03	5.16E-02	6.24E-03	9.43E-02	8.98E-02	7.87E-01
3158	492863.09	3846377.25	0.06163	0.05381	0.03997	0.0629	0.08807	0.03666	0.05422	0.05381	6.32E-01	2.42E-02	1.01E-06	3.26E-03	4.06E-02	5.07E-03	9.36E-02	8.92E-02	7.10E-01
3159	493363.09	3846377.25	0.0587	0.05343	0.04968	0.08368	0.15947	0.03836	0.05384	0.05343	6.02E-01	2.40E-02	1.26E-06	4.33E-03	7.35E-02	5.30E-03	9.30E-02	8.85E-02	7.14E-01
3160	493863.09	3846377.25	0.05909	0.05306	0.05438	0.08687	0.20523	0.04053	0.05346	0.05306	6.06E-01	2.39E-02	1.38E-06	4.50E-03	9.46E-02	5.60E-03	9.23E-02	8.79E-02	7.39E-01
3161	494363.09	3846377.25	0.06663	0.0527	0.04044	0.08063	0.19214	0.03996	0.0531	0.0527	6.83E-01	2.37E-02	1.03E-06	4.17E-03	8.85E-02	5.52E-03	9.17E-02	8.73E-02	8.10E-01
3162	494863.09	3846377.25	0.07327	0.05235	0.03689	0.07068	0.19579	0.03901	0.05274	0.05235	7.51E-01	2.36E-02	9.36E-07	3.66E-03	9.02E-02	5.39E-03	9.11E-02	8.67E-02	8.78E-01
3163	495363.09	3846377.25	0.07871	0.05201	0.0328	0.05022	0.2309	0.04556	0.0524	0.05201	8.07E-01	2.34E-02	8.32E-07	2.60E-03	1.06E-01	6.30E-03	9.05E-02	8.62E-02	9.50E-01
3164	495863.09	3846377.25	0.08296	0.05169	0.03493	0.04345	0.23004	0.05585	0.05208	0.05169	8.51E-01	2.33E-02	8.86E-07	2.25E-03	1.06E-01	7.72E-03	8.99E-02	8.56E-02	9.94E-01
3165	496363.09	3846377.25	0.08624	0.05138	0.04938	0.04747	0.22373	0.04203	0.05176	0.05138	8.84E-01	2.31E-02	1.25E-06	2.46E-03	1.03E-01	5.81E-03	8.94E-02	8.51E-02	1.02E+00
3166	496863.09	3846377.25	0.08853	0.05108	0.04526	0.06117	0.16957	0.04062	0.05146	0.05108	9.08E-01	2.30E-02	1.15E-06	3.17E-03	7.81E-02	5.62E-03	8.88E-02	8.46E-02	1.02E+00
3167	497363.09	3846377.25	0.08933	0.0508	0.04054	0.0718	0.15448	0.0492	0.05118	0.0508	9.16E-01	2.29E-02	1.03E-06	3.72E-03	7.12E-02	6.80E-03	8.84E-02	8.42E-02	1.02E+00
3168	497863.09	3846377.25	0.08784	0.05053	0.03494	0.07323	0.13533	0.04179	0.0509	0.05053	9.01E-01	2.27E-02	8.86E-07	3.79E-03	6.24E-02	5.78E-03	8.79E-02	8.37E-02	1.00E+00
3169	498363.09	3846377.25	0.08378	0.05027	0.03599	0.06101	0.13217	0.03701	0.05064	0.05027	8.59E-01	2.26E-02	9.13E-07	3.16E-03	6.09E-02	5.12E-03	8.74E-02	8.33E-02	9.55E-01
3170	471363.09	3846877.25	0.30793	0.56385	0.32668	0.3234	0.63262	0.23151	0.5679	0.56385	3.16E+00	2.54E-01	8.29E-06	1.67E-02	2.92E-01	3.20E-02	9.80E-01	9.34E-01	3.80E+00
3171	471863.09	3846877.25	0.27787	0.87497	0.14384	0.33328	0.73977	0.22268	0.88545	0.87497	2.85E+00	3.94E-01	3.65E-06	1.73E-02	3.41E-01	3.08E-02	1.53E+00	1.45E+00	3.71E+00
3172	472363.09	3846877.25	0.31843	4.94319	0.06975	0.29426	0.59371	0.17464	4.98596	4.94319	3.27E+00	2.22E+00	1.77E-06	1.52E-02	2.74E-01	2.41E-02	8.61E+00	8.19E+00	6.22E+00
3173	472863.09	3846877.25	0.35669	0.24705	0.06976	0.09526	0.16485	0.16605	0.24852	0.24705	3.66E+00	1.11E-01	1.77E-06	4.93E-03	7.60E-02	2.30E-02	4.29E-01	4.09E-01	3.89E+00
3174	473363.09	3846877.25	0.378	0.21366	0.16057	0.11143	0.23588	0.17914	0.22244	0.21366	3.88E+00	9.62E-02	4.07E-06	5.77E-03	1.09E-01	2.48E-02	3.84E-01	3.54E-01	4.14E+00
3175	473863.09	3846877.25	0.37617	0.28044	0.23175	0.16056	0.31401	0.18149	0.28328	0.28044	3.86E+00	1.26E-01	5.88E-06	8.31E-03	1.45E-01	2.51E-02	4.89E-01	4.65E-01	4.19E+00
3176	474363.09	3846877.25	0.34829	0.29071	0.19064	0.1998	0.3832	0.17265	0.29363	0.29071	3.57E+00	1.31E-01	4.84E-06	1.03E-02	1.77E-01	2.39E-02	5.07E-01	4.82E-01	3.94E+00
3177	474863.09	3846877.25	0.29921	0.27357	0.15451	0.31039	0.4259	0.16432	0.27621	0.27357	3.07E+00	1.23E-01	3.92E-06	1.61E-02	1.96E-01	2.27E-02	4.77E-01	4.53E-01	3.45E+00
3178	475363.09	3846877.25	0.23763	0.24465	0.09296	0.23308	0.49886	0.12787	0.24703	0.24465	2.44E+00	1.10E-01	2.36E-06	1.21E-02	2.30E-01	1.77E-02	4.26E-01	4.05E-01	2.83E+00
3179	475863.09	3846877.25	0.34427	0.26126	0.07885	0.22205	0.38663	0.1191	0.26358	0.26126	3.53E+00	1.18E-01	2.00E-06	1.15E-02	1.78E-01	1.65E-02	4.55E-01	4.33E-01	3.88E+00
3180	476363.09	3846877.25	0.50782	0.24209	0.06741	0.12564	0.35554	0.18832	0.24413	0.24209	5.21E+00	1.09E-01	1.71E-06	6.50E-03	1.64E-01	2.60E-02	4.21E-01	4.01E-01	5.53E+00
3181	476863.09	3846877.25	0.58819	0.20746	0.06665	0.07773	0.23851	0.16104	0.20627	0.20746	6.03E+00	9.34E-02	1.69E-06	4.02E-03	1.10E-01	2.23E-02	3.56E-01	3.44E-01	6.27E+00
3182	477363.09	3846877.25	0.50447	0.17599	0.07285	0.17127	0.17222	0.16623	0.2088	0.17599	5.17E+00	7.92E-02	1.85E-06	8.87E-03	7.94E-02	2.30E-02	3.60E-01	2.92E-01	5.43E+00
3183	477863.09	3846877.25	0.33971	0.15501	0.06121	0.23542	0.13017	0.15787	0.17612	0.15501	3.48E+00	6.98E-02	1.55E-06	1.22E-02	6.00E-02	2.18E-02	3.04E-01	2.57E-01	3.69E+00
3184	478363.09	3846877.25	0.30452	0.1391	0.0681	0.22584	0.57675	0.12226	0.14026	0.1391	3.12E+00	6.26E-02	1.73E-06	1.17E-02	2.66E-01	1.69E-02	2.42E-01	2.30E-01	3.49E+00
3185	478863.09	3846877.25	0.3901	0.13705	0.08371	0.16403	0.78053	0.07985	0.13868	0.13705	4.00E+00	6.17E-02	2.12E-06	8.49E-03	3.60E-01	1.10E-02	2.39E-01	2.27E-01	4.45E+00
3186	479363.09	3846877.25	0.34437	0.13545	0.08768	0.08728	0.54905	0.06922	0.13685	0.13545	3.53E+00	6.10E-02	2.22E-06	4.52E-03	2.53E-01	9.57E-03	2.36E-01	2.24E-01	3.87E+00
3187	479863.09	3846877.25	0.30339	0.13265	0.08454	0.07156	0.12803	0.073	0.13373	0.13265	3.11E+00	5.97E-02	2.14E-06	3.70E-03	5.90E-02	1.01E-02	2.31E-01	2.20E-01	3.25E+00
3188	480363.09	3846877.25	0.26598	0.11184	0.10492	0.06971	0.10447	0.07467	0.11272	0.11184	2.73E+00	5.03E-02	2.66E-06	3.61E-03	4.81E-02	1.03E-02	1.95E-01	1.85E-01	2.85E+00

3189	480863.09	3846877.25	0.30568	0.07327	0.12094	0.07629	0.14134	0.07888	0.07386	0.07327	3.13E+00	3.30E-02	3.07E-06	3.95E-03	6.51E-02	1.09E-02	1.28E-01	1.21E-01	3.25E+00
3190	481363.09	3846877.25	0.29766	0.0811	0.10836	0.07958	0.18114	0.08957	0.08222	0.0811	3.05E+00	3.65E-02	2.75E-06	4.12E-03	8.35E-02	1.24E-02	1.42E-01	1.34E-01	3.20E+00
3191	481863.09	3846877.25	0.3	0.07088	0.06904	0.08086	0.21061	0.09868	0.07199	0.07088	3.08E+00	3.19E-02	1.75E-06	4.19E-03	9.71E-02	1.36E-02	1.24E-01	1.17E-01	3.23E+00
3192	482363.09	3846877.25	0.23562	0.06702	0.05364	0.07503	0.21803	0.10826	0.06756	0.06702	2.42E+00	3.02E-02	1.36E-06	3.88E-03	1.00E-01	1.50E-02	1.17E-01	1.11E-01	2.57E+00
3193	482863.09	3846877.25	0.255	0.06653	0.06437	0.06773	0.18746	0.11917	0.06706	0.06653	2.61E+00	2.99E-02	1.63E-06	3.51E-03	8.64E-02	1.65E-02	1.16E-01	1.10E-01	2.76E+00
3194	483363.09	3846877.25	0.16292	0.07527	0.08455	0.07959	0.23466	0.11483	0.06653	0.07527	1.67E+00	3.39E-02	2.14E-06	4.12E-03	1.08E-01	1.59E-02	1.15E-01	1.25E-01	1.82E+00
3195	483863.09	3846877.25	0.138	0.06546	0.08723	0.10007	0.41812	0.09691	0.06598	0.06546	1.42E+00	2.95E-02	2.21E-06	5.18E-03	1.93E-01	1.34E-02	1.14E-01	1.08E-01	1.66E+00
3196	484363.09	3846877.25	0.09937	0.0649	0.0792	0.11144	0.45332	0.07182	0.06542	0.0649	1.02E+00	2.92E-02	2.01E-06	5.77E-03	2.09E-01	9.93E-03	1.13E-01	1.08E-01	1.28E+00
3197	484863.09	3846877.25	0.0948	0.06432	0.08132	0.10536	0.29119	0.04958	0.06484	0.06432	9.72E-01	2.89E-02	2.06E-06	5.45E-03	1.34E-01	6.85E-03	1.12E-01	1.07E-01	1.15E+00
3198	485363.09	3846877.25	0.09155	0.06374	0.07891	0.08526	0.20176	0.04687	0.06425	0.06374	9.39E-01	2.87E-02	2.00E-06	4.41E-03	9.30E-02	6.48E-03	1.11E-01	1.06E-01	1.08E+00
3199	485863.09	3846877.25	0.09198	0.06314	0.06836	0.07231	0.12974	0.0536	0.06364	0.06314	9.43E-01	2.84E-02	1.73E-06	3.74E-03	5.98E-02	7.41E-03	1.10E-01	1.05E-01	1.05E+00
3200	486363.09	3846877.25	0.10246	0.06256	0.07688	0.06708	0.13	0.06251	0.06305	0.06256	1.05E+00	2.82E-02	1.95E-06	3.47E-03	5.99E-02	8.64E-03	1.09E-01	1.04E-01	1.16E+00
3201	486863.09	3846877.25	0.10036	0.06194	0.04893	0.0596	0.18992	0.06895	0.06243	0.06194	1.03E+00	2.79E-02	1.24E-06	3.09E-03	8.75E-02	9.53E-03	1.08E-01	1.03E-01	1.16E+00
3202	487363.09	3846877.25	0.10119	0.06135	0.0667	0.05153	0.28906	0.08451	0.06183	0.06135	1.04E+00	2.76E-02	1.69E-06	2.67E-03	1.33E-01	1.17E-02	1.07E-01	1.02E-01	1.22E+00
3203	487863.09	3846877.25	0.09619	0.06077	0.05333	0.05158	0.31644	0.08374	0.06125	0.06077	9.86E-01	2.73E-02	1.35E-06	2.67E-03	1.46E-01	1.16E-02	1.06E-01	1.01E-01	1.18E+00
3204	488363.09	3846877.25	0.10067	0.0602	0.0471	0.07065	0.43579	0.09458	0.06067	0.0602	1.03E+00	2.71E-02	1.19E-06	3.66E-03	2.01E-01	1.31E-02	1.05E-01	9.97E-02	1.28E+00
3205	488863.09	3846877.25	0.10498	0.05965	0.046	0.09132	0.32266	0.08806	0.06011	0.05965	1.08E+00	2.68E-02	1.17E-06	4.73E-03	1.49E-01	1.22E-02	1.04E-01	9.88E-02	1.27E+00
3206	489363.09	3846877.25	0.09128	0.05912	0.06068	0.09935	0.19043	0.06958	0.05958	0.05912	9.36E-01	2.66E-02	1.54E-06	5.14E-03	8.78E-02	9.62E-03	1.03E-01	9.80E-02	1.07E+00
3207	489863.09	3846877.25	0.06289	0.05861	0.05472	0.08983	0.16409	0.0473	0.05906	0.05861	6.45E-01	2.64E-02	1.39E-06	4.65E-03	7.56E-02	6.54E-03	1.02E-01	9.71E-02	7.63E-01
3208	490363.09	3846877.25	0.0678	0.05812	0.05592	0.06472	0.1753	0.05215	0.05856	0.05812	6.95E-01	2.62E-02	1.42E-06	3.35E-03	8.08E-02	7.21E-03	1.01E-01	9.63E-02	8.18E-01
3209	490863.09	3846877.25	0.07072	0.05766	0.06179	0.05907	0.25074	0.05465	0.0581	0.05766	7.25E-01	2.59E-02	1.57E-06	3.06E-03	1.16E-01	7.56E-03	1.00E-01	9.55E-02	8.82E-01
3210	491363.09	3846877.25	0.07322	0.05723	0.04536	0.05987	0.20492	0.0546	0.05767	0.05723	7.51E-01	2.58E-02	1.15E-06	3.10E-03	9.44E-02	7.55E-03	9.96E-02	9.48E-02	8.86E-01
3211	491863.09	3846877.25	0.07265	0.05683	0.05818	0.07159	0.11946	0.0505	0.05726	0.05683	7.45E-01	2.56E-02	1.48E-06	3.71E-03	5.51E-02	6.98E-03	9.89E-02	9.42E-02	8.41E-01
3212	492363.09	3846877.25	0.06613	0.05646	0.04169	0.07591	0.14033	0.04362	0.05689	0.05646	6.78E-01	2.54E-02	1.06E-06	3.93E-03	6.47E-02	6.03E-03	9.82E-02	9.36E-02	7.83E-01
3213	492863.09	3846877.25	0.05915	0.05613	0.03912	0.07161	0.12953	0.04045	0.05655	0.05613	6.07E-01	2.53E-02	9.92E-07	3.71E-03	5.97E-02	5.59E-03	9.76E-02	9.30E-02	7.05E-01
3214	493363.09	3846877.25	0.0626	0.05582	0.05438	0.08777	0.19643	0.04126	0.05623	0.05582	6.42E-01	2.51E-02	1.38E-06	4.54E-03	9.05E-02	5.70E-03	9.71E-02	9.25E-02	7.72E-01
3215	493863.09	3846877.25	0.07013	0.05553	0.05268	0.0861	0.2107	0.04032	0.05595	0.05553	7.19E-01	2.50E-02	1.34E-06	4.46E-03	9.71E-02	5.57E-03	9.66E-02	9.20E-02	8.56E-01
3216	494363.09	3846877.25	0.07662	0.05528	0.03789	0.07902	0.18367	0.03952	0.05569	0.05528	7.86E-01	2.49E-02	9.61E-07	4.09E-03	8.46E-02	5.46E-03	9.61E-02	9.16E-02	9.09E-01
3217	494863.09	3846877.25	0.08179	0.05504	0.03272	0.06647	0.23067	0.03986	0.05545	0.05504	8.39E-01	2.48E-02	8.30E-07	3.44E-03	1.06E-01	5.51E-03	9.57E-02	9.12E-02	9.83E-01
3218	495363.09	3846877.25	0.08578	0.05483	0.03517	0.04534	0.24097	0.04626	0.05523	0.05483	8.80E-01	2.47E-02	8.92E-07	2.35E-03	1.11E-01	6.40E-03	9.54E-02	9.08E-02	1.03E+00
3219	495863.09	3846877.25	0.08883	0.05464	0.04942	0.04157	0.23217	0.05532	0.05504	0.05464	9.11E-01	2.46E-02	1.25E-06	2.15E-03	1.07E-01	7.65E-03	9.50E-02	9.05E-02	1.06E+00
3220	496363.09	3846877.25	0.0908	0.05446	0.04552	0.056	0.18044	0.04178	0.05486	0.05446	9.31E-01	2.45E-02	1.15E-06	2.90E-03	8.32E-02	5.78E-03	9.47E-02	9.02E-02	1.05E+00
3221	496863.09	3846877.25	0.09102	0.05431	0.03709	0.06867	0.16252	0.03935	0.05471	0.05431	9.33E-01	2.44E-02	9.41E-07	3.55E-03	7.49E-02	5.44E-03	9.45E-02	9.00E-02	1.05E+00
3222	497363.09	3846877.25	0.08866	0.05417	0.03643	0.07549	0.1388	0.05011	0.05456	0.05417	9.09E-01	2.44E-02	9.24E-07	3.91E-03	6.40E-02	6.93E-03	9.42E-02	8.98E-02	1.01E+00
3223	497863.09	3846877.25	0.08373	0.05404	0.03698	0.06878	0.14156	0.04105	0.05443	0.05404	8.59E-01	2.43E-02	9.38E-07	3.56E-03	6.52E-02	5.68E-03	9.40E-02	8.95E-02	9.62E-01
3224	498363.09	3846877.25	0.07744	0.05391	0.0442	0.06678	0.1482	0.04368	0.0543	0.05391	7.94E-01	2.43E-02	1.12E-06	3.46E-03	6.83E-02	6.04E-03	9.37E-02	8.93E-02	9.01E-01
3225	471363.09	3847377.25	0.36307	0.51106	0.55084	0.21813	0.25389	0.21254	0.51567	0.51106	3.72E+00	2.30E-01	1.40E-05	1.13E-02	1.17E-01	2.94E-02	8.90E-01	8.47E-01	4.15E+00
3226	471863.09	3847377.25	0.3398	0.62175	0.45442	0.31098	0.52284	0.23703	0.6275	0.62175	3.48E+00	2.80E-01	1.15E-05	1.61E-02	2.41E-01	3.28E-02	1.08E+00	1.03E+00	4.11E+00
3227	472363.09	3847377.25	0.30637	0.82234	0.24397	0.34732	0.74178	0.23982	0.83019	0.82234	3.14E+00	3.70E-01	6.19E-06	1.80E-02	3.42E-01	3.32E-02	1.43E+00	1.36E+00	3.98E+00
3228	472863.09	3847377.25	0.31226	1.68606	0.09348	0.35616	0.75561	0.22129	1.69719	1.68606	3.20E+00	7.59E-01	2.37E-06	1.84E-02	3.48E-01	3.06E-02	2.93E+00	2.79E+00	4.49E+00
3229	473363.09	3847377.25	0.35973	0.65409	0.07126	0.19757	0.34782	0.16531	0.65897	0.65409	3.69E+00	2.94E-01	1.81E-06	1.02E-02	1.60E-01	2.29E-02	1.14E+00	1.08E+00	4.23E+00
3230	473863.09	3847377.25	0.38574	0.49823	0.17901	0.10022	0.21861	0.18123	0.50208	0.49823	3.96E+00	2.24E-01	4.54E-06	5.19E-03	1.01E-01	2.51E-02	8.67E-01	8.26E-01	4.35E+00
3231	474363.09	3847377.25	0.3899	0.52486	0.28892	0.15224	0.30042	0.18636	0.52837	0.52486	4.00E+00	2.36E-01	7.33E-06	7.88E-03	1.38E-01	2.58E-02	9.12E-01	8.70E-01	4.45E+00
3232	474863.09	3847377.25	0.36611	0.33728	0.20768	0.19962	0.37893	0.1799	0.34035	0.33728	3.75E+00	1.52E-01	5.27E-06	1.03E-02	1.75E-01	2.49E-02	5.88E-01	5.59E-01	4.14E+00
3233	475363.09	3847377.25	0.31813	0.2541	0.16722	0.29345	0.43361	0.16546	0.26971	0.2541	3.26E+00	1.14E-01	4.24E-06	1.52E-02	2.00E-01	2.29E-02	4.66E-01	4.21E-01	3.66E+00
3234	475863.09	3847377.25	0.25544	0.25215	0.1087	0.30781	0.5412	0.14203	0.26206	0.25215	2.62E+00	1.13E-01	2.76E-06	1.59E-02	2.49E-01	1.96E-02	4.52E-01	4.18E-01	3.05E+00
3235	476363.09	3847377.25	0.39848	0.27647	0.08092	0.24143	0.47454	0.1749	0.27927	0.27647	4.09E+00	1.24E-01	2.05E-06	1.25E-02	2.19E-01	2.42E-02	4.82E-01	4.58E-01	4.49E+00
3236	476863.09	3847377.25	0.55157	0.23952	0.06719	0.14549	0.38301	0.20077	0.22043	0.23952	5.66E+00	1.08E-01	1.70E-06	7.53E-03	1.77E-01	2.78E-02	3.81E-01	3.97E-01	5.96E+00
3237	477363.09	3847377.25	0.62259	0.24631	0.07719	0.10074	0.25616	0.18262	0.24366	0.24631	6.38E+00	1.11E-01	1.96E-06	5.21E-03	1.18E-01	2.52E-02	4.21E-01	4.08E-01	6.66E+00
3238	477863.09	3847377.25	0.50463	0.18909	0.07284	0.19014	0.18281	0.17795	0.2124	0.18909	5.17E+00	8.51E-02	1.85E-06	9.84E-03	8.42E-02	2.46E-02	3.67E-01	3.13E-01	5.43E+00
3239	478363.09	3847377.25	0.33558	0.17185	0.0622	0.26958	0.18588	0.17368	0.19495	0.17185	3.44E+00	7.73E-02	1.58E-06	1.40E-02	8.57E-02	2.40E-02	3.37E-01	2.85E-01	3.69E+00
3240	478863.09	3847377.25	0.40697	0.16238	0.07748	0.2504	0.74099	0.13152	0.16386	0.16238	4.17E+00	7.31E-02	1.97E-06	1.30E-02	3.41E-01	1.82E-02	2.83E-01	2.69E-01	4.63E+00
3241	479363.09	3847377.25	0.35385	0.14297	0.08894	0.13711	0.70927	0.06464	0.14448	0.14297	3.63E+00	6.43E-02	2.26E-06	7.10E-03	3.27E-01	8.94E-03	2.49E-01	2.37E-01	4.05E+00
3242	479863.09	3847377.25	0.21192	0.13695	0.09032	0.0559	0.29541	0.07235	0.13857	0.13695	2.17E+00	6.16E-02	2.29E-06	2.89E-03	1.36E-01	1.00E-02	2.39E-01	2.27E-01	2.40E+00
3243	480363.09	3847377.25	0.17753	0.0843	0.08976	0.06662	0.11345	0.07624	0.07199	0.0843	1.82E+00	3.79E-02	2.28E-06	3.45E-03	5.23E-02	1.05E-02	1.24E-01	1.40E-01	1.91E+00
3244	480863.09	3847377.25	0.15178	0.07581	0.12405	0.07496	0.12047	0.07598	0.07101	0.07581	1.56E+00	3.41E-02	3.15E-06	3.88E-03	5.55E-02	1.05E-02	1.23E-01	1.26E-01	1.66E+00
3245	481363.09	3847377.25	0.21577	0.0696	0.11306	0.08006	0.16267	0.07653	0.07012	0.0696	2.21E+00	3.13E-02	2.87E-06	4.14E-03	7.50E-02	1.06E-02	1.21E-01	1.15E-01	2.34E+00

3246	481863.09	3847377.25	0.29511	0.08565	0.08357	0.083	0.20306	0.0983	0.08719	0.08565	3.03E+00	3.85E-02	2.12E-06	4.30E-03	9.36E-02	1.36E-02	1.51E-01	1.42E-01	3.18E+00
3247	482363.09	3847377.25	0.31295	0.0835	0.10505	0.08553	0.22429	0.10893	0.0846	0.0835	3.21E+00	3.76E-02	2.66E-06	4.43E-03	1.03E-01	1.51E-02	1.46E-01	1.38E-01	3.38E+00
3248	482863.09	3847377.25	0.33536	0.06699	0.06582	0.07326	0.22493	0.11931	0.06958	0.06699	3.44E+00	3.01E-02	1.67E-06	3.79E-03	1.04E-01	1.65E-02	1.20E-01	1.11E-01	3.60E+00
3249	483363.09	3847377.25	0.25932	0.07724	0.08703	0.07331	0.16893	0.12043	0.06662	0.07724	2.66E+00	3.48E-02	2.21E-06	3.80E-03	7.78E-02	1.66E-02	1.15E-01	1.28E-01	2.78E+00
3250	483863.09	3847377.25	0.23398	0.06531	0.08878	0.0946	0.36758	0.10639	0.0658	0.06531	2.40E+00	2.94E-02	2.25E-06	4.90E-03	1.69E-01	1.47E-02	1.14E-01	1.08E-01	2.62E+00
3251	484363.09	3847377.25	0.17827	0.06455	0.08056	0.11074	0.48182	0.08205	0.06504	0.06455	1.83E+00	2.91E-02	2.04E-06	5.73E-03	2.22E-01	1.13E-02	1.12E-01	1.07E-01	2.10E+00
3252	484863.09	3847377.25	0.11104	0.06381	0.09751	0.11102	0.36554	0.05703	0.0643	0.06381	1.14E+00	2.87E-02	2.47E-06	5.75E-03	1.68E-01	7.88E-03	1.11E-01	1.06E-01	1.35E+00
3253	485363.09	3847377.25	0.09206	0.06313	0.09815	0.09355	0.4468	0.04869	0.06361	0.06313	9.44E-01	2.84E-02	2.49E-06	4.84E-03	2.06E-01	6.73E-03	1.10E-01	1.05E-01	1.20E+00
3254	485863.09	3847377.25	0.10307	0.06252	0.09118	0.07426	0.18313	0.05412	0.06299	0.06252	1.06E+00	2.81E-02	2.31E-06	3.84E-03	8.44E-02	7.48E-03	1.09E-01	1.04E-01	1.19E+00
3255	486363.09	3847377.25	0.10644	0.06196	0.08877	0.07	0.13731	0.06337	0.06243	0.06196	1.09E+00	2.79E-02	2.25E-06	3.62E-03	6.33E-02	8.76E-03	1.08E-01	1.03E-01	1.20E+00
3256	486863.09	3847377.25	0.11156	0.06143	0.06623	0.06303	0.19021	0.07056	0.06189	0.06143	1.14E+00	2.76E-02	1.68E-06	3.26E-03	8.77E-02	9.76E-03	1.07E-01	1.02E-01	1.28E+00
3257	487363.09	3847377.25	0.10748	0.061	0.06842	0.05479	0.29706	0.08629	0.06146	0.061	1.10E+00	2.75E-02	1.74E-06	2.84E-03	1.37E-01	1.19E-02	1.06E-01	1.01E-01	1.29E+00
3258	487863.09	3847377.25	0.09775	0.06062	0.06622	0.05142	0.32666	0.0838	0.06107	0.06062	1.00E+00	2.73E-02	1.68E-06	2.66E-03	1.51E-01	1.16E-02	1.05E-01	1.00E-01	1.20E+00
3259	488363.09	3847377.25	0.10203	0.06031	0.0467	0.07112	0.45319	0.09657	0.06076	0.06031	1.05E+00	2.71E-02	1.18E-06	3.68E-03	2.09E-01	1.34E-02	1.05E-01	9.99E-02	1.30E+00
3260	488863.09	3847377.25	0.10571	0.06006	0.05651	0.09307	0.30026	0.08913	0.06051	0.06006	1.08E+00	2.70E-02	1.43E-06	4.82E-03	1.38E-01	1.23E-02	1.04E-01	9.95E-02	1.27E+00
3261	489363.09	3847377.25	0.09034	0.05986	0.06248	0.10157	0.18596	0.06975	0.06031	0.05986	9.26E-01	2.69E-02	1.58E-06	5.26E-03	8.57E-02	9.64E-03	1.04E-01	9.92E-02	1.06E+00
3262	489863.09	3847377.25	0.06713	0.05971	0.04926	0.0911	0.17133	0.05006	0.06015	0.05971	6.88E-01	2.69E-02	1.25E-06	4.72E-03	7.90E-02	6.92E-03	1.04E-01	9.89E-02	8.11E-01
3263	490363.09	3847377.25	0.0702	0.0596	0.06267	0.07384	0.21134	0.05392	0.06004	0.0596	7.20E-01	2.68E-02	1.59E-06	3.82E-03	9.74E-02	7.45E-03	1.04E-01	9.88E-02	8.60E-01
3264	490863.09	3847377.25	0.07266	0.05953	0.05928	0.06206	0.2568	0.05592	0.05997	0.05953	7.45E-01	2.68E-02	1.50E-06	3.21E-03	1.18E-01	7.73E-03	1.04E-01	9.86E-02	9.06E-01
3265	491363.09	3847377.25	0.07449	0.05949	0.06116	0.06186	0.17512	0.05479	0.05993	0.05949	7.64E-01	2.68E-02	1.55E-06	3.20E-03	8.07E-02	7.57E-03	1.03E-01	9.86E-02	8.87E-01
3266	491863.09	3847377.25	0.07237	0.05947	0.04351	0.07494	0.16403	0.0498	0.05992	0.05947	7.42E-01	2.68E-02	1.10E-06	3.88E-03	7.56E-02	6.88E-03	1.03E-01	9.85E-02	8.60E-01
3267	492363.09	3847377.25	0.06358	0.05948	0.04279	0.07693	0.12691	0.04191	0.05992	0.05948	6.52E-01	2.68E-02	1.09E-06	3.98E-03	5.85E-02	5.79E-03	1.03E-01	9.86E-02	7.52E-01
3268	492863.09	3847377.25	0.06605	0.05949	0.04384	0.07967	0.17469	0.04171	0.05993	0.05949	6.77E-01	2.68E-02	1.11E-06	4.12E-03	8.05E-02	5.77E-03	1.03E-01	9.86E-02	7.99E-01
3269	493363.09	3847377.25	0.07358	0.05951	0.05774	0.08991	0.21908	0.04069	0.05995	0.05951	7.54E-01	2.68E-02	1.46E-06	4.65E-03	1.01E-01	5.63E-03	1.04E-01	9.86E-02	8.97E-01
3270	493863.09	3847377.25	0.07989	0.05954	0.04881	0.08465	0.19323	0.04016	0.05997	0.05954	8.19E-01	2.68E-02	1.24E-06	4.38E-03	8.90E-02	5.55E-03	1.04E-01	9.87E-02	9.50E-01
3271	494363.09	3847377.25	0.08481	0.05956	0.03206	0.0772	0.22634	0.03995	0.05999	0.05956	8.70E-01	2.68E-02	8.13E-07	4.00E-03	1.04E-01	5.52E-03	1.04E-01	9.87E-02	1.02E+00
3272	494863.09	3847377.25	0.0886	0.05958	0.03591	0.06087	0.24992	0.04221	0.06001	0.05958	9.09E-01	2.68E-02	9.11E-07	3.15E-03	1.15E-01	5.84E-03	1.04E-01	9.87E-02	1.06E+00
3273	495363.09	3847377.25	0.09146	0.05959	0.04785	0.04466	0.23569	0.04706	0.06002	0.05959	9.38E-01	2.68E-02	1.21E-06	2.31E-03	1.09E-01	6.51E-03	1.04E-01	9.87E-02	1.09E+00
3274	495863.09	3847377.25	0.0931	0.05959	0.05002	0.05037	0.20157	0.05453	0.06002	0.05959	9.55E-01	2.68E-02	1.27E-06	2.61E-03	9.29E-02	7.54E-03	1.04E-01	9.87E-02	1.09E+00
3275	496363.09	3847377.25	0.09262	0.05958	0.03636	0.06419	0.1405	0.04059	0.06001	0.05958	9.50E-01	2.68E-02	9.22E-07	3.32E-03	6.47E-02	5.61E-03	1.04E-01	9.87E-02	1.06E+00
3276	496863.09	3847377.25	0.08931	0.05956	0.03779	0.07487	0.14203	0.0388	0.05999	0.05956	9.16E-01	2.68E-02	9.59E-07	3.88E-03	6.55E-02	5.36E-03	1.04E-01	9.87E-02	1.02E+00
3277	497363.09	3847377.25	0.08357	0.05953	0.04264	0.07488	0.1382	0.04968	0.05996	0.05953	8.57E-01	2.68E-02	1.08E-06	3.88E-03	6.37E-02	6.87E-03	1.04E-01	9.86E-02	9.63E-01
3278	497863.09	3847377.25	0.07701	0.0595	0.05621	0.06507	0.15281	0.0522	0.05993	0.0595	7.90E-01	2.68E-02	1.43E-06	3.37E-03	7.04E-02	7.22E-03	1.03E-01	9.86E-02	9.02E-01
3279	498363.09	3847377.25	0.07471	0.05943	0.06663	0.07368	0.15434	0.05489	0.05986	0.05943	7.66E-01	2.67E-02	1.69E-06	3.81E-03	7.11E-02	7.59E-03	1.03E-01	9.85E-02	8.80E-01
3280	471363.09	3847877.25	0.36476	0.40709	0.42523	0.2237	0.52775	0.20822	0.41027	0.40709	3.74E+00	1.83E-01	1.08E-05	1.16E-02	2.43E-01	2.88E-02	7.08E-01	6.75E-01	4.24E+00
3281	471863.09	3847877.25	0.38323	0.41307	0.59046	0.21668	0.34554	0.21751	0.41543	0.41307	3.93E+00	1.86E-01	1.50E-05	1.12E-02	1.59E-01	3.01E-02	7.17E-01	6.84E-01	4.35E+00
3282	472363.09	3847877.25	0.37325	0.49861	0.58188	0.28248	0.38939	0.24021	0.50093	0.49861	3.83E+00	2.24E-01	1.48E-05	1.46E-02	1.79E-01	3.32E-02	8.65E-01	8.26E-01	4.32E+00
3283	472863.09	3847877.25	0.33712	0.65527	0.38844	0.34969	0.66995	0.25324	0.66022	0.65527	3.46E+00	2.95E-01	9.85E-06	1.81E-02	3.09E-01	3.50E-02	1.14E+00	1.09E+00	4.17E+00
3284	473363.09	3847877.25	0.31728	0.9924	0.16824	0.3612	0.80861	0.244	0.99969	0.9924	3.25E+00	4.47E-01	4.27E-06	1.87E-02	3.73E-01	3.37E-02	1.73E+00	1.64E+00	4.21E+00
3285	473863.09	3847877.25	0.36613	6.14175	0.0723	0.33922	0.68181	0.20304	6.35842	6.14175	3.75E+00	2.76E+00	1.83E-06	1.76E-02	3.14E-01	2.81E-02	1.10E+01	1.02E+01	7.68E+00
3286	474363.09	3847877.25	0.39175	0.68975	0.1747	0.13113	0.23875	0.1827	0.69606	0.68975	4.02E+00	3.10E-01	4.43E-06	6.79E-03	1.10E-01	2.53E-02	1.20E+00	1.14E+00	4.53E+00
3287	474863.09	3847877.25	0.4028	0.53795	0.33609	0.14165	0.28434	0.19072	0.54349	0.53795	4.13E+00	2.42E-01	8.53E-06	7.33E-03	1.31E-01	2.64E-02	9.38E-01	8.91E-01	4.58E+00
3288	475363.09	3847877.25	0.38402	0.40316	0.22245	0.19678	0.37093	0.18691	0.40675	0.40316	3.94E+00	1.81E-01	5.64E-06	1.02E-02	1.71E-01	2.58E-02	7.02E-01	6.68E-01	4.36E+00
3289	475863.09	3847877.25	0.33854	0.32442	0.18724	0.26614	0.43867	0.17133	0.32719	0.32442	3.47E+00	1.46E-01	4.75E-06	1.38E-02	2.02E-01	2.37E-02	5.65E-01	5.38E-01	3.88E+00
3290	476363.09	3847877.25	0.27602	0.35898	0.13007	0.38231	0.5617	0.18199	0.36303	0.35898	2.83E+00	1.62E-01	3.30E-06	1.98E-02	2.59E-01	2.52E-02	6.27E-01	5.95E-01	3.33E+00
3291	476863.09	3847877.25	0.44668	0.3126	0.08769	0.256	0.55675	0.21462	0.31516	0.3126	4.58E+00	1.41E-01	2.22E-06	1.33E-02	2.57E-01	2.97E-02	5.44E-01	5.18E-01	5.05E+00
3292	477363.09	3847877.25	0.59657	0.29211	0.06677	0.17133	0.41001	0.22671	0.27756	0.29211	6.12E+00	1.31E-01	1.69E-06	8.87E-03	1.89E-01	3.13E-02	4.79E-01	4.84E-01	6.47E+00
3293	477863.09	3847877.25	0.65385	0.29062	0.08707	0.13297	0.27542	0.20431	0.30604	0.29062	6.70E+00	1.31E-01	2.21E-06	6.88E-03	1.27E-01	2.82E-02	5.28E-01	4.82E-01	7.04E+00
3294	478363.09	3847877.25	0.50407	0.21658	0.07059	0.21319	0.19481	0.19459	0.22055	0.21658	5.17E+00	9.75E-02	1.79E-06	1.10E-02	8.98E-02	2.69E-02	3.81E-01	3.59E-01	5.42E+00
3295	478863.09	3847877.25	0.3552	0.21073	0.07107	0.30011	0.25221	0.18451	0.21291	0.21073	3.64E+00	9.48E-02	1.80E-06	1.55E-02	1.16E-01	2.55E-02	3.68E-01	3.49E-01	3.91E+00
3296	479363.09	3847877.25	0.32851	0.13773	0.08732	0.17708	0.59952	0.09431	0.13909	0.13773	3.37E+00	6.20E-02	2.22E-06	9.17E-03	2.76E-01	1.30E-02	2.40E-01	2.28E-01	3.74E+00
3297	479863.09	3847877.25	0.15882	0.10051	0.09483	0.05871	0.29873	0.07058	0.09341	0.10051	1.63E+00	4.52E-02	2.41E-06	3.04E-03	1.38E-01	9.76E-03	1.61E-01	1.67E-01	1.82E+00
3298	480363.09	3847877.25	0.19807	0.09534	0.0899	0.06251	0.14807	0.07666	0.1	0.09534	2.03E+00	4.29E-02	2.28E-06	3.24E-03	6.82E-02	1.06E-02	1.73E-01	1.58E-01	2.17E+00
3299	480863.09	3847877.25	0.22525	0.08687	0.12267	0.07265	0.11045	0.07846	0.07307	0.08687	2.31E+00	3.91E-02	3.11E-06	3.76E-03	5.09E-02	1.08E-02	1.26E-01	1.44E-01	2.40E+00
3300	481363.09	3847877.25	0.2239	0.0696	0.12051	0.07949	0.14104	0.07687	0.07321	0.0696	2.30E+00	3.13E-02	3.06E-06	4.11E-03	6.50E-02	1.06E-02	1.26E-01	1.15E-01	2.42E+00
3301	481863.09	3847877.25	0.29406	0.0935	0.09847	0.09784	0.18758	0.10402	0.09575	0.0935	3.02E+00	4.21E-02	2.50E-06	5.06E-03	8.64E-02	1.44E-02	1.65E-01	1.55E-01	3.17E+00
3302	482363.09	3847877.25	0.30492	0.08917	0.09914	0.09632	0.24314	0.11294	0.09061	0.08917	3.13E+00	4.01E-02	2.51E-06	4.99E-03	1.12E-01	1.56E-02	1.56E-01	1.48E-01	3.31E+00

3303	482863.09	3847877.25	0.33029	0.07656	0.06736	0.08581	0.24781	0.11931	0.08073	0.07656	3.39E+00	3.45E-02	1.71E-06	4.44E-03	1.14E-01	1.65E-02	1.39E-01	1.27E-01	3.57E+00
3304	483363.09	3847877.25	0.34271	0.07867	0.08972	0.07071	0.20106	0.12433	0.07054	0.07867	3.51E+00	3.54E-02	2.28E-06	3.66E-03	9.27E-02	1.72E-02	1.22E-01	1.30E-01	3.65E+00
3305	483863.09	3847877.25	0.31995	0.06341	0.09018	0.08835	0.29692	0.11496	0.06388	0.06341	3.28E+00	2.85E-02	2.29E-06	4.57E-03	1.37E-01	1.59E-02	1.10E-01	1.05E-01	3.47E+00
3306	484363.09	3847877.25	0.25719	0.06346	0.08192	0.10866	0.4804	0.0928	0.06393	0.06346	2.64E+00	2.86E-02	2.08E-06	5.62E-03	2.21E-01	1.28E-02	1.10E-01	1.05E-01	2.91E+00
3307	484863.09	3847877.25	0.17124	0.06359	0.09949	0.11475	0.43894	0.06591	0.06407	0.06359	1.76E+00	2.86E-02	2.52E-06	5.94E-03	2.02E-01	9.11E-03	1.11E-01	1.05E-01	2.01E+00
3308	485363.09	3847877.25	0.1524	0.06383	0.11251	0.10226	0.45521	0.05104	0.06432	0.06383	1.56E+00	2.87E-02	2.85E-06	5.29E-03	2.10E-01	7.06E-03	1.11E-01	1.06E-01	1.82E+00
3309	485863.09	3847877.25	0.17343	0.06415	0.07821	0.07971	0.26646	0.05462	0.06465	0.06415	1.78E+00	2.89E-02	1.98E-06	4.13E-03	1.23E-01	7.55E-03	1.12E-01	1.06E-01	1.95E+00
3310	486363.09	3847877.25	0.11245	0.0645	0.09268	0.07268	0.14418	0.06418	0.06499	0.0645	1.15E+00	2.90E-02	2.35E-06	3.76E-03	6.64E-02	8.87E-03	1.12E-01	1.07E-01	1.27E+00
3311	486863.09	3847877.25	0.11295	0.06488	0.09238	0.06642	0.18984	0.07378	0.06538	0.06488	1.16E+00	2.92E-02	2.34E-06	3.44E-03	8.75E-02	1.02E-02	1.13E-01	1.08E-01	1.29E+00
3312	487363.09	3847877.25	0.10623	0.06529	0.08725	0.05824	0.3049	0.0876	0.0658	0.06529	1.09E+00	2.94E-02	2.21E-06	3.01E-03	1.41E-01	1.21E-02	1.14E-01	1.08E-01	1.28E+00
3313	487863.09	3847877.25	0.09921	0.0657	0.07861	0.05121	0.33766	0.08413	0.0662	0.0657	1.02E+00	2.96E-02	1.99E-06	2.65E-03	1.56E-01	1.16E-02	1.14E-01	1.09E-01	1.22E+00
3314	488363.09	3847877.25	0.10346	0.0661	0.06203	0.07155	0.46956	0.09792	0.06661	0.0661	1.06E+00	2.97E-02	1.57E-06	3.70E-03	2.16E-01	1.35E-02	1.15E-01	1.10E-01	1.33E+00
3315	488863.09	3847877.25	0.11923	0.06648	0.0701	0.09489	0.27514	0.09021	0.06699	0.06648	1.22E+00	2.99E-02	1.78E-06	4.91E-03	1.27E-01	1.25E-02	1.16E-01	1.10E-01	1.40E+00
3316	489363.09	3847877.25	0.10018	0.06682	0.0524	0.10393	0.17987	0.07072	0.06734	0.06682	1.03E+00	3.01E-02	1.33E-06	5.38E-03	8.29E-02	9.78E-03	1.16E-01	1.11E-01	1.16E+00
3317	489863.09	3847877.25	0.14042	0.06714	0.05905	0.09247	0.34199	0.05247	0.06765	0.06714	1.44E+00	3.02E-02	1.50E-06	4.79E-03	1.58E-01	7.25E-03	1.17E-01	1.11E-01	1.65E+00
3318	490363.09	3847877.25	0.08332	0.0674	0.06731	0.07423	0.35003	0.05553	0.06791	0.0674	8.54E-01	3.03E-02	1.71E-06	3.84E-03	1.61E-01	7.68E-03	1.17E-01	1.12E-01	1.06E+00
3319	490863.09	3847877.25	0.07436	0.06761	0.06191	0.06636	0.35132	0.05689	0.06812	0.06761	7.62E-01	3.04E-02	1.57E-06	3.44E-03	1.62E-01	7.87E-03	1.18E-01	1.12E-01	9.72E-01
3320	491363.09	3847877.25	0.07536	0.06777	0.05121	0.06421	0.17897	0.05446	0.06828	0.06777	7.73E-01	3.05E-02	1.30E-06	3.32E-03	8.25E-02	7.53E-03	1.18E-01	1.12E-01	9.02E-01
3321	491863.09	3847877.25	0.07124	0.0679	0.03885	0.07815	0.15628	0.04834	0.0684	0.0679	7.30E-01	3.06E-02	9.86E-07	4.05E-03	7.20E-02	6.68E-03	1.18E-01	1.13E-01	8.49E-01
3322	492363.09	3847877.25	0.06946	0.06798	0.04279	0.07721	0.16445	0.04283	0.06848	0.06798	7.12E-01	3.06E-02	1.09E-06	4.00E-03	7.58E-02	5.92E-03	1.18E-01	1.13E-01	8.34E-01
3323	492863.09	3847877.25	0.07698	0.06801	0.05055	0.08646	0.21357	0.04113	0.06851	0.06801	7.89E-01	3.06E-02	1.28E-06	4.48E-03	9.84E-02	5.69E-03	1.18E-01	1.13E-01	9.34E-01
3324	493363.09	3847877.25	0.08308	0.06799	0.05902	0.0902	0.21837	0.04093	0.06849	0.06799	8.52E-01	3.06E-02	1.50E-06	4.67E-03	1.01E-01	5.66E-03	1.18E-01	1.13E-01	9.99E-01
3325	493863.09	3847877.25	0.0878	0.06794	0.04309	0.08303	0.21736	0.04084	0.06844	0.06794	9.00E-01	3.06E-02	1.09E-06	4.30E-03	1.00E-01	5.65E-03	1.18E-01	1.13E-01	1.05E+00
3326	494363.09	3847877.25	0.09147	0.06786	0.03635	0.07479	0.25582	0.04226	0.06835	0.06786	9.38E-01	3.05E-02	9.22E-07	3.87E-03	1.18E-01	5.84E-03	1.18E-01	1.12E-01	1.10E+00
3327	494863.09	3847877.25	0.09418	0.06773	0.04448	0.05398	0.24615	0.04391	0.06822	0.06773	9.66E-01	3.05E-02	1.13E-06	2.79E-03	1.13E-01	6.07E-03	1.18E-01	1.12E-01	1.12E+00
3328	495363.09	3847877.25	0.09541	0.06758	0.05387	0.04428	0.22164	0.04806	0.06806	0.06758	9.78E-01	3.04E-02	1.37E-06	2.29E-03	1.02E-01	6.64E-03	1.18E-01	1.12E-01	1.13E+00
3329	495863.09	3847877.25	0.09407	0.06739	0.03461	0.05899	0.14282	0.05343	0.06787	0.06739	9.65E-01	3.03E-02	8.78E-07	3.05E-03	6.58E-02	7.39E-03	1.17E-01	1.12E-01	1.08E+00
3330	496363.09	3847877.25	0.08982	0.06718	0.04032	0.07177	0.14693	0.04846	0.06765	0.06718	9.21E-01	3.02E-02	1.02E-06	3.72E-03	6.77E-02	6.70E-03	1.17E-01	1.11E-01	1.03E+00
3331	496863.09	3847877.25	0.08337	0.06694	0.05498	0.0782	0.14259	0.05395	0.06741	0.06694	8.55E-01	3.01E-02	1.39E-06	4.05E-03	6.57E-02	7.46E-03	1.16E-01	1.11E-01	9.68E-01
3332	497363.09	3847877.25	0.07672	0.06669	0.06891	0.06864	0.15773	0.05603	0.06715	0.06669	7.87E-01	3.00E-02	1.75E-06	3.55E-03	7.27E-02	7.75E-03	1.16E-01	1.11E-01	9.06E-01
3333	497863.09	3847877.25	0.07552	0.06643	0.08809	0.07348	0.1639	0.05616	0.06689	0.06643	7.74E-01	2.99E-02	2.23E-06	3.80E-03	7.55E-02	7.76E-03	1.15E-01	1.10E-01	8.97E-01
3334	498363.09	3847877.25	0.08678	0.06613	0.09648	0.07693	0.1917	0.05538	0.06659	0.06613	8.90E-01	2.98E-02	2.45E-06	3.98E-03	8.83E-02	7.66E-03	1.15E-01	1.10E-01	1.02E+00
3335	471363.09	3848377.25	0.30622	0.36938	0.33979	0.20424	0.55908	0.18781	0.37115	0.36938	3.14E+00	1.66E-01	8.62E-06	1.06E-02	2.58E-01	2.60E-02	6.41E-01	6.12E-01	3.63E+00
3336	471863.09	3848377.25	0.36131	0.46146	0.3374	0.21802	0.62928	0.21647	0.46413	0.46146	3.70E+00	2.08E-01	8.56E-06	1.13E-02	2.90E-01	2.99E-02	8.01E-01	7.65E-01	4.28E+00
3337	472363.09	3848377.25	0.39644	0.57267	0.54768	0.23672	0.52207	0.21992	0.57632	0.57267	4.07E+00	2.58E-01	1.39E-05	1.23E-02	2.41E-01	3.04E-02	9.95E-01	9.49E-01	4.65E+00
3338	472863.09	3848377.25	0.40305	0.64138	0.66284	0.2337	0.31924	0.23767	0.646	0.64138	4.13E+00	2.89E-01	1.68E-05	1.21E-02	1.47E-01	3.29E-02	1.12E+00	1.06E+00	4.67E+00
3339	473363.09	3848377.25	0.37839	0.63258	0.54379	0.33646	0.54315	0.26102	0.63718	0.63258	3.88E+00	2.85E-01	1.38E-05	1.74E-02	2.50E-01	3.61E-02	1.10E+00	1.05E+00	4.52E+00
3340	473863.09	3848377.25	0.33023	1.02515	0.28914	0.37737	0.80243	0.26509	1.03152	1.02515	3.39E+00	4.61E-01	7.33E-06	1.95E-02	3.70E-01	3.66E-02	1.78E+00	1.70E+00	4.36E+00
3341	474363.09	3848377.25	0.44149	1.54348	0.09619	0.39069	0.8562	0.25224	1.68009	1.54348	4.53E+00	6.95E-01	2.44E-06	2.02E-02	3.95E-01	3.49E-02	2.90E+00	2.56E+00	6.01E+00
3342	474863.09	3848377.25	0.39624	1.16555	0.16676	0.26809	0.47837	0.18354	1.18237	1.16555	4.06E+00	5.25E-01	4.23E-06	1.39E-02	2.20E-01	2.54E-02	2.04E+00	1.93E+00	4.96E+00
3343	475363.09	3848377.25	0.41652	0.86373	0.40472	0.12912	0.26577	0.19452	0.86434	0.86373	4.27E+00	3.89E-01	1.03E-05	6.68E-03	1.22E-01	2.69E-02	1.49E+00	1.43E+00	4.88E+00
3344	475863.09	3848377.25	0.40263	0.49999	0.28749	0.19075	0.35918	0.1935	0.50508	0.49999	4.13E+00	2.25E-01	7.29E-06	9.87E-03	1.66E-01	2.68E-02	8.72E-01	8.28E-01	4.60E+00
3345	476363.09	3848377.25	0.36008	0.3512	0.2133	0.23439	0.44066	0.18041	0.35554	0.3512	3.69E+00	1.58E-01	5.41E-06	1.21E-02	2.03E-01	2.49E-02	6.14E-01	5.82E-01	4.12E+00
3346	476863.09	3848377.25	0.31769	0.38128	0.15099	0.43626	0.54891	0.21527	0.41036	0.38128	3.26E+00	1.72E-01	3.83E-06	2.26E-02	2.53E-01	2.98E-02	7.08E-01	6.32E-01	3.81E+00
3347	477363.09	3848377.25	0.49974	0.34272	0.09456	0.26907	0.63411	0.2507	0.34601	0.34272	5.12E+00	1.54E-01	2.40E-06	1.39E-02	2.92E-01	3.47E-02	5.97E-01	5.68E-01	5.65E+00
3348	477863.09	3848377.25	0.64182	0.3276	0.06792	0.1974	0.43422	0.23851	0.31196	0.3276	6.58E+00	1.47E-01	1.72E-06	1.02E-02	2.00E-01	3.30E-02	5.39E-01	5.43E-01	6.97E+00
3349	478363.09	3848377.25	0.68447	0.32164	0.09494	0.16605	0.31433	0.21943	0.35793	0.32164	7.02E+00	1.45E-01	2.41E-06	8.60E-03	1.45E-01	3.03E-02	6.18E-01	5.33E-01	7.43E+00
3350	478863.09	3848377.25	0.49295	0.21343	0.06836	0.22961	0.20759	0.19618	0.21533	0.21343	5.05E+00	9.61E-02	1.73E-06	1.19E-02	9.57E-02	2.71E-02	3.72E-01	3.54E-01	5.30E+00
3351	479363.09	3848377.25	0.33031	0.1416	0.08229	0.24293	0.20615	0.13573	0.15237	0.1416	3.39E+00	6.37E-02	2.09E-06	1.26E-02	9.50E-02	1.88E-02	2.63E-01	2.35E-01	3.61E+00
3352	479863.09	3848377.25	0.1549	0.09723	0.09685	0.05897	0.11737	0.06755	0.08273	0.09723	1.59E+00	4.38E-02	2.46E-06	3.05E-03	5.41E-02	9.34E-03	1.43E-01	1.61E-01	1.68E+00
3353	480363.09	3848377.25	0.16593	0.0977	0.09739	0.05987	0.28233	0.0761	0.10473	0.0977	1.70E+00	4.40E-02	2.47E-06	3.10E-03	1.30E-01	1.05E-02	1.81E-01	1.62E-01	1.91E+00
3354	480863.09	3848377.25	0.30389	0.12729	0.11335	0.06945	0.18205	0.07989	0.12826	0.12729	3.12E+00	5.73E-02	2.88E-06	3.60E-03	8.39E-02	1.10E-02	2.21E-01	2.11E-01	3.28E+00
3355	481363.09	3848377.25	0.31611	0.12777	0.12733	0.07795	0.11937	0.09029	0.12876	0.12777	3.24E+00	5.75E-02	3.23E-06	4.04E-03	5.50E-02	1.25E-02	2.22E-01	2.12E-01	3.38E+00
3356	481863.09	3848377.25	0.29652	0.13082	0.11054	0.10095	0.16591	0.10279	0.13185	0.13082	3.04E+00	5.89E-02	2.80E-06	5.23E-03	7.65E-02	1.42E-02	2.28E-01	2.17E-01	3.21E+00
3357	482363.09	3848377.25	0.32552	0.12963	0.08064	0.10774	0.30411	0.11939	0.13065	0.12963	3.34E+00	5.83E-02	2.05E-06	5.58E-03	1.40E-01	1.65E-02	2.26E-01	2.15E-01	3.57E+00
3358	482863.09	3848377.25	0.32305	0.08185	0.08968	0.10226	0.24177	0.13247	0.08321	0.08185	3.31E+00	3.68E-02	2.27E-06	5.29E-03	1.11E-01	1.83E-02	1.44E-01	1.36E-01	3.49E+00
3359	483363.09	3848377.25	0.3449	0.08	0.09281	0.10725	0.2606	0.12802	0.08008	0.08	3.54E+00	3.60E-02	2.35E-06	5.55E-03	1.20E-01	1.77E-02	1.38E-01	1.33E-01	3.72E+00

3360	483863.09	3848377.25	0.336	0.07792	0.09131	0.0978	0.21693	0.12232	0.07854	0.07792	3.45E+00	3.51E-02	2.32E-06	5.06E-03	1.00E-01	1.69E-02	1.36E-01	1.29E-01	3.61E+00
3361	484363.09	3848377.25	0.2854	0.07896	0.08327	0.10873	0.44423	0.10363	0.0796	0.07896	2.93E+00	3.55E-02	2.11E-06	5.63E-03	2.05E-01	1.43E-02	1.37E-01	1.31E-01	3.19E+00
3362	484863.09	3848377.25	0.20258	0.08003	0.10396	0.11751	0.49956	0.07631	0.08068	0.08003	2.08E+00	3.60E-02	2.64E-06	6.08E-03	2.30E-01	1.06E-02	1.39E-01	1.33E-01	2.37E+00
3363	485363.09	3848377.25	0.205	0.08056	0.11635	0.11047	0.42293	0.0644	0.08122	0.08056	2.10E+00	3.63E-02	2.95E-06	5.72E-03	1.95E-01	8.90E-03	1.40E-01	1.33E-01	2.35E+00
3364	485863.09	3848377.25	0.22174	0.08096	0.08838	0.08815	0.35867	0.05528	0.08162	0.08096	2.27E+00	3.64E-02	2.24E-06	4.56E-03	1.65E-01	7.64E-03	1.41E-01	1.34E-01	2.49E+00
3365	486363.09	3848377.25	0.16888	0.08118	0.09246	0.08927	0.25758	0.06507	0.08183	0.08118	1.73E+00	3.65E-02	2.35E-06	4.62E-03	1.19E-01	9.00E-03	1.41E-01	1.35E-01	1.91E+00
3366	486863.09	3848377.25	0.14103	0.08131	0.1049	0.06969	0.18884	0.07693	0.08195	0.08131	1.45E+00	3.66E-02	2.66E-06	3.61E-03	8.70E-02	1.06E-02	1.41E-01	1.35E-01	1.59E+00
3367	487363.09	3848377.25	0.10476	0.0813	0.0746	0.06186	0.31319	0.0886	0.08194	0.0813	1.07E+00	3.66E-02	1.89E-06	3.20E-03	1.44E-01	1.22E-02	1.41E-01	1.35E-01	1.28E+00
3368	487863.09	3848377.25	0.10059	0.08121	0.07885	0.05326	0.3495	0.08505	0.08184	0.08121	1.03E+00	3.65E-02	2.00E-06	2.76E-03	1.61E-01	1.18E-02	1.41E-01	1.35E-01	1.25E+00
3369	488363.09	3848377.25	0.1158	0.08102	0.07463	0.07193	0.48439	0.09932	0.08165	0.08102	1.19E+00	3.65E-02	1.89E-06	3.72E-03	2.23E-01	1.37E-02	1.41E-01	1.34E-01	1.47E+00
3370	488863.09	3848377.25	0.13028	0.08076	0.05393	0.0968	0.24851	0.09117	0.08138	0.08076	1.34E+00	3.63E-02	1.37E-06	5.01E-03	1.15E-01	1.26E-02	1.41E-01	1.34E-01	1.51E+00
3371	489363.09	3848377.25	0.14003	0.08043	0.05086	0.10643	0.3125	0.07277	0.08104	0.08043	1.44E+00	3.62E-02	1.29E-06	5.51E-03	1.44E-01	1.01E-02	1.40E-01	1.33E-01	1.64E+00
3372	489863.09	3848377.25	0.14366	0.08005	0.06143	0.10906	0.33103	0.05445	0.08066	0.08005	1.47E+00	3.60E-02	1.56E-06	5.65E-03	1.53E-01	7.53E-03	1.39E-01	1.33E-01	1.68E+00
3373	490363.09	3848377.25	0.14048	0.07961	0.06861	0.08123	0.38555	0.05697	0.08021	0.07961	1.44E+00	3.58E-02	1.74E-06	4.21E-03	1.78E-01	7.88E-03	1.38E-01	1.32E-01	1.67E+00
3374	490863.09	3848377.25	0.13246	0.07912	0.05988	0.07148	0.31605	0.05747	0.0797	0.07912	1.36E+00	3.56E-02	1.52E-06	3.70E-03	1.46E-01	7.95E-03	1.38E-01	1.31E-01	1.56E+00
3375	491363.09	3848377.25	0.08002	0.0786	0.04293	0.06625	0.26165	0.05378	0.07918	0.0786	8.21E-01	3.54E-02	1.09E-06	3.43E-03	1.21E-01	7.44E-03	1.37E-01	1.30E-01	9.94E-01
3376	491863.09	3848377.25	0.08425	0.07807	0.04231	0.08086	0.19916	0.04791	0.07863	0.07807	8.64E-01	3.51E-02	1.07E-06	4.19E-03	9.18E-02	6.62E-03	1.36E-01	1.29E-01	1.01E+00
3377	492363.09	3848377.25	0.08028	0.0775	0.04473	0.07665	0.19859	0.0455	0.07805	0.0775	8.23E-01	3.49E-02	1.13E-06	3.97E-03	9.15E-02	6.29E-03	1.35E-01	1.28E-01	9.66E-01
3378	492863.09	3848377.25	0.08617	0.07692	0.05702	0.09125	0.23333	0.04184	0.07746	0.07692	8.84E-01	3.46E-02	1.45E-06	4.72E-03	1.08E-01	5.78E-03	1.34E-01	1.27E-01	1.04E+00
3379	493363.09	3848377.25	0.09079	0.07634	0.05763	0.08908	0.20322	0.04182	0.07687	0.07634	9.31E-01	3.44E-02	1.46E-06	4.61E-03	9.37E-02	5.78E-03	1.33E-01	1.26E-01	1.08E+00
3380	493863.09	3848377.25	0.0944	0.07574	0.03643	0.08164	0.25778	0.04223	0.07626	0.07574	9.68E-01	3.41E-02	9.24E-07	4.23E-03	1.19E-01	5.84E-03	1.32E-01	1.25E-01	1.14E+00
3381	494363.09	3848377.25	0.09697	0.07514	0.0393	0.07109	0.26198	0.0445	0.07565	0.07514	9.94E-01	3.38E-02	9.97E-07	3.68E-03	1.21E-01	6.15E-03	1.31E-01	1.25E-01	1.16E+00
3382	494863.09	3848377.25	0.09776	0.07453	0.05661	0.04665	0.23922	0.04475	0.07504	0.07453	1.00E+00	3.35E-02	1.44E-06	2.41E-03	1.10E-01	6.19E-03	1.30E-01	1.23E-01	1.16E+00
3383	495363.09	3848377.25	0.09553	0.07393	0.04064	0.05345	0.15073	0.05092	0.07442	0.07393	9.80E-01	3.33E-02	1.03E-06	2.77E-03	6.95E-02	7.04E-03	1.28E-01	1.22E-01	1.10E+00
3384	495863.09	3848377.25	0.0902	0.07332	0.05393	0.06715	0.1528	0.05564	0.0738	0.07332	9.25E-01	3.30E-02	1.37E-06	3.48E-03	7.04E-02	7.69E-03	1.27E-01	1.21E-01	1.05E+00
3385	496363.09	3848377.25	0.08324	0.07271	0.07044	0.0781	0.14728	0.05711	0.07319	0.07271	8.54E-01	3.27E-02	1.79E-06	4.04E-03	6.79E-02	7.90E-03	1.26E-01	1.20E-01	9.72E-01
3386	496863.09	3848377.25	0.07681	0.0721	0.08821	0.0763	0.16304	0.05681	0.07257	0.0721	7.88E-01	3.24E-02	2.24E-06	3.95E-03	7.51E-02	7.85E-03	1.25E-01	1.19E-01	9.13E-01
3387	497363.09	3848377.25	0.08853	0.0715	0.09655	0.07217	0.15012	0.05581	0.07197	0.0715	9.08E-01	3.22E-02	2.45E-06	3.74E-03	6.92E-02	7.72E-03	1.24E-01	1.18E-01	1.03E+00
3388	497863.09	3848377.25	0.09973	0.07094	0.09559	0.07887	0.19865	0.05487	0.0714	0.07094	1.02E+00	3.19E-02	2.42E-06	4.08E-03	9.15E-02	7.59E-03	1.23E-01	1.18E-01	1.16E+00
3389	498363.09	3848377.25	0.10947	0.07034	0.08436	0.08269	0.1907	0.05398	0.0708	0.07034	1.12E+00	3.17E-02	2.14E-06	4.28E-03	8.79E-02	7.46E-03	1.22E-01	1.17E-01	1.26E+00
3390	471363.09	3848877.25	0.2897	0.47057	0.4082	0.19628	0.21508	0.19722	0.47406	0.47057	2.97E+00	2.12E-01	1.04E-05	1.02E-02	9.91E-02	2.73E-02	8.18E-01	7.80E-01	3.36E+00
3391	471863.09	3848877.25	0.28323	0.5082	0.4212	0.21212	0.42785	0.20515	0.51214	0.5082	2.90E+00	2.29E-01	1.07E-05	1.10E-02	1.97E-01	2.84E-02	8.84E-01	8.42E-01	3.41E+00
3392	472363.09	3848877.25	0.34957	0.56897	0.34959	0.21524	0.61532	0.21012	0.57327	0.56897	3.58E+00	2.56E-01	8.87E-06	1.11E-02	2.84E-01	2.90E-02	9.90E-01	9.43E-01	4.21E+00
3393	472863.09	3848877.25	0.40078	0.64943	0.46776	0.23182	0.65481	0.23589	0.65472	0.64943	4.11E+00	2.92E-01	1.19E-05	1.20E-02	3.02E-01	3.26E-02	1.13E+00	1.08E+00	4.80E+00
3394	473363.09	3848877.25	0.42521	0.75083	0.69014	0.24598	0.5065	0.24168	0.75707	0.75083	4.36E+00	3.38E-01	1.75E-05	1.27E-02	2.33E-01	3.34E-02	1.31E+00	1.24E+00	5.04E+00
3395	473863.09	3848877.25	0.4183	0.88917	0.69833	0.30316	0.39581	0.265	0.89695	0.88917	4.29E+00	4.00E-01	1.77E-05	1.57E-02	1.82E-01	3.66E-02	1.55E+00	1.47E+00	5.00E+00
3396	474363.09	3848877.25	0.37665	1.032	0.47335	0.37567	0.70077	0.27724	1.03823	1.032	3.86E+00	4.64E-01	1.20E-05	1.94E-02	3.23E-01	3.83E-02	1.79E+00	1.71E+00	4.79E+00
3397	474863.09	3848877.25	0.38597	2.01947	0.13732	0.42086	0.95564	0.28322	2.03815	2.01947	3.96E+00	9.09E-01	3.48E-06	2.18E-02	4.40E-01	3.92E-02	3.52E+00	3.35E+00	5.54E+00
3398	475363.09	3848877.25	0.40436	1.68503	0.16236	0.40729	0.78254	0.23955	1.69791	1.68503	4.15E+00	7.58E-01	4.12E-06	2.11E-02	3.61E-01	3.31E-02	2.93E+00	2.79E+00	5.46E+00
3399	475863.09	3848877.25	0.43077	1.71725	0.43886	0.20093	0.38027	0.19775	1.73826	1.71725	4.42E+00	7.73E-01	1.11E-05	1.04E-02	1.75E-01	2.73E-02	3.00E+00	2.85E+00	5.56E+00
3400	476363.09	3848877.25	0.42278	0.65492	0.3895	0.18125	0.34423	0.19952	0.65433	0.65492	4.34E+00	2.95E-01	9.88E-06	9.38E-03	1.59E-01	2.76E-02	1.13E+00	1.09E+00	4.87E+00
3401	476863.09	3848877.25	0.38427	0.5261	0.26605	0.23785	0.43929	0.18933	0.53062	0.5261	3.94E+00	2.37E-01	6.75E-06	1.23E-02	2.02E-01	2.62E-02	9.16E-01	8.72E-01	4.46E+00
3402	477363.09	3848877.25	0.37066	0.55357	0.17683	0.46059	0.51546	0.2373	0.55796	0.55357	3.80E+00	2.49E-01	4.49E-06	2.38E-02	2.38E-01	3.28E-02	9.63E-01	9.17E-01	4.39E+00
3403	477863.09	3848877.25	0.56341	0.55113	0.105	0.27841	0.70326	0.30993	0.55563	0.55113	5.78E+00	2.48E-01	2.66E-06	1.44E-02	3.24E-01	4.28E-02	9.59E-01	9.13E-01	6.45E+00
3404	478363.09	3848877.25	0.67023	0.48317	0.08508	0.22813	0.45437	0.26397	0.48748	0.48317	6.87E+00	2.17E-01	2.16E-06	1.18E-02	2.09E-01	3.65E-02	8.42E-01	8.01E-01	7.39E+00
3405	478863.09	3848877.25	0.7146	0.35867	0.09947	0.20077	0.3588	0.23298	0.39774	0.35867	7.33E+00	1.61E-01	2.52E-06	1.04E-02	1.65E-01	3.22E-02	6.87E-01	5.94E-01	7.79E+00
3406	479363.09	3848877.25	0.47776	0.26224	0.07426	0.24669	0.22191	0.19641	0.26571	0.26224	4.90E+00	1.18E-01	1.88E-06	1.28E-02	1.02E-01	2.72E-02	4.59E-01	4.35E-01	5.18E+00
3407	479863.09	3848877.25	0.40645	0.23073	0.09418	0.25914	0.27479	0.13919	0.23325	0.23073	4.17E+00	1.04E-01	2.39E-06	1.34E-02	1.27E-01	1.92E-02	4.03E-01	3.82E-01	4.45E+00
3408	480363.09	3848877.25	0.41467	0.22234	0.10296	0.20007	0.88051	0.09893	0.22484	0.22234	4.25E+00	1.00E-01	2.61E-06	1.04E-02	4.06E-01	1.37E-02	3.88E-01	3.68E-01	4.80E+00
3409	480863.09	3848877.25	0.46188	0.21834	0.17732	0.13318	0.85467	0.10221	0.22094	0.21834	4.74E+00	9.83E-02	4.50E-06	6.89E-03	3.94E-01	1.41E-02	3.81E-01	3.62E-01	5.27E+00
3410	481363.09	3848877.25	0.48378	0.21388	0.25626	0.13202	0.19637	0.11256	0.21604	0.21388	4.96E+00	9.63E-02	6.50E-06	6.83E-03	9.05E-02	1.56E-02	3.73E-01	3.54E-01	5.19E+00
3411	481863.09	3848877.25	0.34533	0.18364	0.14247	0.10663	0.14103	0.10578	0.18527	0.18364	3.54E+00	8.26E-02	3.61E-06	5.52E-03	6.50E-02	1.46E-02	3.20E-01	3.04E-01	3.72E+00
3412	482363.09	3848877.25	0.29102	0.10805	0.09114	0.10564	0.19351	0.11117	0.10889	0.10805	2.98E+00	4.86E-02	2.31E-06	5.47E-03	8.92E-02	1.54E-02	1.88E-01	1.79E-01	3.15E+00
3413	482863.09	3848877.25	0.3112	0.10434	0.11051	0.09414	0.2393	0.11381	0.10514	0.10434	3.19E+00	4.70E-02	2.80E-06	4.87E-03	1.10E-01	1.57E-02	1.82E-01	1.73E-01	3.38E+00
3414	483363.09	3848877.25	0.33911	0.10247	0.09891	0.08243	0.26317	0.12612	0.10324	0.10247	3.48E+00	4.61E-02	2.51E-06	4.27E-03	1.21E-01	1.74E-02	1.78E-01	1.70E-01	3.67E+00
3415	483863.09	3848877.25	0.26753	0.10072	0.0919	0.0748	0.21661	0.12785	0.10148	0.10072	2.74E+00	4.53E-02	2.33E-06	3.87E-03	9.98E-02	1.77E-02	1.75E-01	1.67E-01	2.92E+00
3416	484363.09	3848877.25	0.31046	0.09922	0.1023	0.11234	0.37531	0.11371	0.09997	0.09922	3.18E+00	4.47E-02	2.60E-06	5.82E-03	1.73E-01	1.57E-02	1.73E-01	1.64E-01	3.43E+00

3417	484863.09	3848877.25	0.26194	0.10227	0.14019	0.13006	0.85609	0.08959	0.10306	0.10227
3418	485363.09	3848877.25	0.27039	0.09652	0.14028	0.1178	0.57685	0.08208	0.09726	0.09652
3419	485863.09	3848877.25	0.27849	0.09486	0.08931	0.09766	0.44345	0.06911	0.09558	0.09486
3420	486363.09	3848877.25	0.20594	0.09305	0.10221	0.09951	0.32121	0.06594	0.09375	0.09305
3421	486863.09	3848877.25	0.14456	0.09157	0.12573	0.07275	0.18705	0.07993	0.09224	0.09157
3422	487363.09	3848877.25	0.16847	0.09026	0.08449	0.06559	0.32238	0.08976	0.09092	0.09026
3423	487863.09	3848877.25	0.11209	0.089	0.07498	0.05675	0.36236	0.08676	0.08964	0.089
3424	488363.09	3848877.25	0.12779	0.0878	0.05525	0.07226	0.4974	0.10179	0.08842	0.0878
3425	488863.09	3848877.25	0.13916	0.08665	0.07239	0.0988	0.25196	0.09233	0.08725	0.08665
3426	489363.09	3848877.25	0.14472	0.08555	0.08886	0.10909	0.34814	0.07491	0.08614	0.08555
3427	489863.09	3848877.25	0.14326	0.0845	0.08425	0.10998	0.30577	0.05621	0.08508	0.0845
3428	490363.09	3848877.25	0.13575	0.08347	0.06744	0.08403	0.40117	0.05835	0.08403	0.08347
3429	490863.09	3848877.25	0.12565	0.08247	0.04707	0.07996	0.26219	0.05761	0.08302	0.08247
3430	491363.09	3848877.25	0.08523	0.08152	0.0424	0.06769	0.25537	0.05279	0.08205	0.08152
3431	491863.09	3848877.25	0.0835	0.08059	0.04656	0.08308	0.17519	0.04905	0.08111	0.08059
3432	492363.09	3848877.25	0.08923	0.0797	0.04556	0.08127	0.23261	0.04753	0.08021	0.0797
3433	492863.09	3848877.25	0.09379	0.07884	0.06224	0.09371	0.22396	0.04291	0.07933	0.07884
3434	493363.09	3848877.25	0.0974	0.078	0.05275	0.08688	0.25446	0.04278	0.07849	0.078
3435	493863.09	3848877.25	0.09987	0.0772	0.04	0.08022	0.27581	0.04506	0.07768	0.0772
3436	494363.09	3848877.25	0.10006	0.07641	0.05752	0.06547	0.25273	0.05334	0.07688	0.07641
3437	494863.09	3848877.25	0.09689	0.07564	0.05297	0.04734	0.17542	0.05718	0.07611	0.07564
3438	495363.09	3848877.25	0.09064	0.0749	0.07466	0.06214	0.15893	0.0581	0.07536	0.0749
3439	495863.09	3848877.25	0.08326	0.07417	0.09262	0.07495	0.15238	0.05745	0.07462	0.07417
3440	496363.09	3848877.25	0.09032	0.07345	0.09792	0.08105	0.16874	0.05628	0.0739	0.07345
3441	496863.09	3848877.25	0.10158	0.07275	0.091	0.07025	0.15357	0.05525	0.0732	0.07275
3442	497363.09	3848877.25	0.11116	0.07208	0.08074	0.0798	0.11694	0.05439	0.07253	0.07208
3443	497863.09	3848877.25	0.11863	0.07142	0.07193	0.07957	0.23509	0.0536	0.07186	0.07142
3444	498363.09	3848877.25	0.12439	0.07077	0.07235	0.08369	0.3662	0.06196	0.07121	0.07077
3445	471363.09	3849377.25	0.2762	0.33121	0.26429	0.14589	0.19741	0.17296	0.33307	0.33121
3446	471863.09	3849377.25	0.29957	0.37231	0.39025	0.17144	0.17513	0.20133	0.3746	0.37231
3447	472363.09	3849377.25	0.30605	0.39805	0.45625	0.21529	0.26786	0.21466	0.40061	0.39805
3448	472863.09	3849377.25	0.32959	0.42198	0.45221	0.2239	0.49232	0.21759	0.42477	0.42198
3449	473363.09	3849377.25	0.39583	0.46337	0.35865	0.22654	0.67055	0.24755	0.4667	0.46337
3450	473863.09	3849377.25	0.43957	0.50592	0.63062	0.24411	0.66744	0.25157	0.51001	0.50592
3451	474363.09	3849377.25	0.45171	0.56945	0.79636	0.26	0.48931	0.26499	0.57343	0.56945
3452	474863.09	3849377.25	0.42752	0.66892	0.6669	0.36256	0.56417	0.28914	0.67319	0.66892
3453	475363.09	3849377.25	0.36935	1.13708	0.33069	0.40683	0.86176	0.29048	1.14644	1.13708
3454	475863.09	3849377.25	0.40614	1.51339	0.17141	0.40335	0.9025	0.27026	1.52574	1.51339
3455	476363.09	3849377.25	0.46799	2.11942	0.48252	0.31561	0.65543	0.23619	2.13939	2.11942
3456	476863.09	3849377.25	0.43876	4.08805	0.5414	0.16836	0.32684	0.2049	4.12948	4.08805
3457	477363.09	3849377.25	0.40727	1.27617	0.34097	0.23749	0.4341	0.19783	1.2883	1.27617
3458	477863.09	3849377.25	0.43581	0.98121	0.18809	0.48736	0.51109	0.26371	0.99035	0.98121
3459	478363.09	3849377.25	0.64138	0.74537	0.11535	0.34787	0.75113	0.36346	0.7524	0.74537
3460	478863.09	3849377.25	0.72735	0.53616	0.10384	0.25846	0.49507	0.24958	0.54032	0.53616
3461	479363.09	3849377.25	0.74174	0.43795	0.09904	0.23413	0.40838	0.24751	0.442	0.43795
3462	479863.09	3849377.25	0.46797	0.30546	0.08761	0.27465	0.23837	0.20523	0.30904	0.30546
3463	480363.09	3849377.25	0.62339	0.29898	0.10721	0.36923	0.54613	0.20082	0.30149	0.29898
3464	480863.09	3849377.25	0.51734	0.25307	0.122	0.24426	1.21814	0.13326	0.2553	0.25307
3465	481363.09	3849377.25	0.52139	0.20626	0.26179	0.14042	0.80157	0.12137	0.20844	0.20626
3466	481863.09	3849377.25	0.32147	0.1126	0.13779	0.09041	0.16348	0.09755	0.12456	0.1126
3467	482363.09	3849377.25	0.28762	0.11117	0.1089	0.10282	0.16681	0.10454	0.1159	0.11117
3468	482863.09	3849377.25	0.29934	0.1087	0.11702	0.08977	0.224	0.10021	0.11102	0.1087
3469	483363.09	3849377.25	0.25045	0.10038	0.10597	0.08749	0.26181	0.1236	0.10193	0.10038
3470	483863.09	3849377.25	0.17482	0.09187	0.09184	0.08073	0.25085	0.13165	0.09242	0.09187
3471	484363.09	3849377.25	0.33149	0.09794	0.12115	0.12633	0.38441	0.12505	0.09893	0.09794
3472	484863.09	3849377.25	0.31364	0.09684	0.17284	0.14862	1.05154	0.10932	0.09749	0.09684
3473	485363.09	3849377.25	0.34229	0.09481	0.11022	0.13181	0.96272	0.08567	0.09545	0.09481

2.69E+00	4.60E-02	3.56E-06	6.73E-03	3.95E-01	1.24E-02	1.78E-01	1.69E-01	3.15E+00
2.77E+00	4.34E-02	3.56E-06	6.10E-03	2.66E-01	1.13E-02	1.68E-01	1.60E-01	3.11E+00
2.86E+00	4.27E-02	2.27E-06	5.06E-03	2.04E-01	9.55E-03	1.65E-01	1.57E-01	3.13E+00
2.11E+00	4.19E-02	2.59E-06	5.15E-03	1.48E-01	9.12E-03	1.62E-01	1.54E-01	2.32E+00
1.48E+00	4.12E-02	3.19E-06	3.77E-03	8.62E-02	1.11E-02	1.59E-01	1.52E-01	1.63E+00
1.73E+00	4.06E-02	2.14E-06	3.40E-03	1.49E-01	1.24E-02	1.57E-01	1.50E-01	1.94E+00
1.15E+00	4.01E-02	1.90E-06	2.94E-03	1.67E-01	1.20E-02	1.55E-01	1.47E-01	1.38E+00
1.31E+00	3.95E-02	1.40E-06	3.74E-03	2.29E-01	1.41E-02	1.53E-01	1.45E-01	1.60E+00
1.43E+00	3.90E-02	1.84E-06	5.11E-03	1.16E-01	1.28E-02	1.51E-01	1.44E-01	1.61E+00
1.48E+00	3.85E-02	2.25E-06	5.65E-03	1.60E-01	1.04E-02	1.49E-01	1.42E-01	1.71E+00
1.47E+00	3.80E-02	2.14E-06	5.69E-03	1.41E-01	7.77E-03	1.47E-01	1.40E-01	1.67E+00
1.39E+00	3.76E-02	1.71E-06	4.35E-03	1.85E-01	8.07E-03	1.45E-01	1.38E-01	1.63E+00
1.29E+00	3.71E-02	1.19E-06	4.14E-03	1.21E-01	7.96E-03	1.43E-01	1.37E-01	1.47E+00
8.74E-01	3.67E-02	1.08E-06	3.50E-03	1.18E-01	7.30E-03	1.42E-01	1.35E-01	1.05E+00
8.56E-01	3.63E-02	1.18E-06	4.30E-03	8.07E-02	6.78E-03	1.40E-01	1.34E-01	9.91E-01
9.15E-01	3.59E-02	1.16E-06	4.21E-03	1.07E-01	6.57E-03	1.38E-01	1.32E-01	1.08E+00
9.62E-01	3.55E-02	1.58E-06	4.85E-03	1.03E-01	5.93E-03	1.37E-01	1.31E-01	1.12E+00
9.99E-01	3.51E-02	1.34E-06	4.50E-03	1.17E-01	5.91E-03	1.36E-01	1.29E-01	1.17E+00
1.02E+00	3.47E-02	1.01E-06	4.15E-03	1.27E-01	6.23E-03	1.34E-01	1.28E-01	1.20E+00
1.03E+00	3.44E-02	1.46E-06	3.39E-03	1.16E-01	7.37E-03	1.33E-01	1.27E-01	1.19E+00
9.94E-01	3.40E-02	1.34E-06	2.45E-03	8.08E-02	7.91E-03	1.31E-01	1.25E-01	1.12E+00
9.29E-01	3.37E-02	1.89E-06	3.22E-03	7.32E-02	8.03E-03	1.30E-01	1.24E-01	1.05E+00
8.54E-01	3.34E-02	2.35E-06	3.88E-03	7.02E-02	7.94E-03	1.29E-01	1.23E-01	9.75E-01
9.26E-01	3.31E-02	2.48E-06	4.20E-03	7.78E-02	7.78E-03	1.28E-01	1.22E-01	1.05E+00
1.04E+00	3.27E-02	2.31E-06	3.64E-03	7.08E-02	7.64E-03	1.26E-01	1.21E-01	1.16E+00
1.14E+00	3.24E-02	2.05E-06	4.13E-03	5.39E-02	7.52E-03	1.25E-01	1.19E-01	1.24E+00
1.22E+00	3.21E-02	1.82E-06	4.12E-03	1.08E-01	7.41E-03	1.24E-01	1.18E-01	1.37E+00
1.28E+00	3.18E-02	1.84E-06	4.33E-03	1.69E-01	8.57E-03	1.23E-01	1.17E-01	1.49E+00
2.83E+00	1.49E-01	6.70E-06	7.55E-03	9.10E-02	2.39E-02	5.75E-01	5.49E-01	3.13E+00
3.07E+00	1.68E-01	9.90E-06	8.87E-03	8.07E-02	2.78E-02	6.47E-01	6.17E-01	3.39E+00
3.14E+00	1.79E-01	1.16E-05	1.11E-02	1.23E-01	2.97E-02	6.92E-01	6.60E-01	3.51E+00
3.38E+00	1.90E-01	1.15E-05	1.16E-02	2.27E-01	3.01E-02	7.33E-01	6.99E-01	3.87E+00
4.06E+00	2.09E-01	9.10E-06	1.17E-02	3.09E-01	3.42E-02	8.06E-01	7.68E-01	4.66E+00
4.51E+00	2.28E-01	1.60E-05	1.26E-02	3.08E-01	3.48E-02	8.81E-01	8.38E-01	5.13E+00
4.63E+00	2.56E-01	2.02E-05	1.35E-02	2.25E-01	3.66E-02	9.90E-01	9.44E-01	5.21E+00
4.38E+00	3.01E-01	1.69E-05	1.88E-02	2.60E-01	4.00E-02	1.16E+00	1.11E+00	5.06E+00
3.79E+00	5.12E-01	8.39E-06	2.11E-02	3.97E-01	4.02E-02	1.98E+00	1.88E+00	4.85E+00
4.16E+00	6.81E-01	4.35E-06	2.09E-02	4.16E-01	3.74E-02	2.63E+00	2.51E+00	5.45E+00
4.80E+00	9.54E-01	1.22E-05	1.63E-02	3.02E-01	3.27E-02	3.69E+00	3.51E+00	6.29E+00
4.50E+00	1.84E+00	1.37E-05	8.72E-03	1.51E-01	2.83E-02	7.13E+00	6.77E+00	6.88E+00
4.18E+00	5.74E-01	8.65E-06	1.23E-02	2.00E-01	2.74E-02	2.22E+00	2.11E+00	5.10E+00
4.47E+00	4.42E-01	4.77E-06	2.52E-02	2.36E-01	3.65E-02	1.71E+00	1.63E+00	5.29E+00
6.58E+00	3.35E-01	2.93E-06	1.80E-02	3.46E-01	5.02E-02	1.30E+00	1.24E+00	7.39E+00
7.46E+00	2.41E-01	2.63E-06	1.34E-02	2.28E-01	3.45E-02	9.33E-01	8.88E-01	8.02E+00
7.61E+00	1.97E-01	2.51E-06	1.21E-02	1.88E-01	3.42E-02	7.63E-01	7.26E-01	8.07E+00
4.80E+00	1.37E-01	2.22E-06	1.42E-02	1.10E-01	2.84E-02	5.34E-01	5.06E-01	5.12E+00
6.39E+00	1.35E-01	2.72E-06	1.91E-02	2.52E-01	2.78E-02	5.21E-01	4.95E-01	6.85E+00
5.30E+00	1.14E-01	3.09E-06	1.26E-02	5.61E-01	1.84E-02	4.41E-01	4.19E-01	6.03E+00
5.35E+00	9.28E-02	6.64E-06	7.27E-03	3.69E-01	1.68E-02	3.60E-01	3.42E-01	5.85E+00
3.30E+00	5.07E-02	3.50E-06	4.68E-03	7.53E-02	1.35E-02	2.15E-01	1.87E-01	3.47E+00
2.95E+00	5.00E-02	2.76E-06	5.32E-03	7.69E-02	1.45E-02	2.00E-01	1.84E-01	3.11E+00
3.07E+00	4.89E-02	2.97E-06	4.65E-03	1.03E-01	1.39E-02	1.92E-01	1.80E-01	3.25E+00
2.57E+00	4.52E-02	2.69E-06	4.53E-03	1.21E-01	1.71E-02	1.76E-01	1.66E-01	2.77E+00
1.79E+00	4.13E-02	2.33E-06	4.18E-03	1.16E-01	1.82E-02	1.60E-01	1.52E-01	1.98E+00
3.40E+00	4.41E-02	3.07E-06	6.54E-03	1.77E-01	1.73E-02	1.71E-01	1.62E-01	3.65E+00
3.22E+00	4.36E-02	4.38E-06	7.69E-03	4.85E-01	1.51E-02	1.68E-01	1.60E-01	3.77E+00
3.51E+00	4.27E-02	2.80E-06	6.82E-03	4.44E-01	1.18E-02	1.65E-01	1.57E-01	4.02E+00

3474	485863.09	3849377.25	0.19578	0.08785	0.1013	0.10703	0.49656	0.05876	0.08842	0.08785	2.01E+00	3.95E-02	2.57E-06	5.54E-03	2.29E-01	8.12E-03	1.53E-01	1.46E-01	2.30E+00
3475	486363.09	3849377.25	0.11852	0.08676	0.09734	0.08115	0.16283	0.0666	0.0873	0.08676	1.22E+00	3.90E-02	2.47E-06	4.20E-03	7.50E-02	9.21E-03	1.51E-01	1.44E-01	1.35E+00
3476	486863.09	3849377.25	0.14847	0.08592	0.10639	0.08797	0.18443	0.08333	0.08647	0.08592	1.52E+00	3.87E-02	2.70E-06	4.55E-03	8.50E-02	1.15E-02	1.49E-01	1.42E-01	1.67E+00
3477	487363.09	3849377.25	0.17239	0.08506	0.11319	0.06951	0.33176	0.0912	0.08561	0.08506	1.77E+00	3.83E-02	2.87E-06	3.60E-03	1.53E-01	1.26E-02	1.48E-01	1.41E-01	1.98E+00
3478	487863.09	3849377.25	0.17589	0.08417	0.07973	0.06072	0.37633	0.08975	0.0847	0.08417	1.80E+00	3.79E-02	2.02E-06	3.14E-03	1.73E-01	1.24E-02	1.46E-01	1.39E-01	2.04E+00
3479	488363.09	3849377.25	0.18685	0.08333	0.07604	0.07252	0.50819	0.10556	0.08385	0.08333	1.92E+00	3.75E-02	1.93E-06	3.75E-03	2.34E-01	1.46E-02	1.45E-01	1.38E-01	2.21E+00
3480	488863.09	3849377.25	0.189	0.08252	0.1008	0.10091	0.25381	0.094	0.08303	0.08252	1.94E+00	3.71E-02	2.56E-06	5.22E-03	1.17E-01	1.30E-02	1.43E-01	1.37E-01	2.12E+00
3481	489363.09	3849377.25	0.14674	0.08173	0.09383	0.11194	0.37569	0.0755	0.08224	0.08173	1.50E+00	3.68E-02	2.38E-06	5.79E-03	1.73E-01	1.04E-02	1.42E-01	1.35E-01	1.74E+00
3482	489863.09	3849377.25	0.13929	0.08095	0.09555	0.11066	0.36411	0.06712	0.08145	0.08095	1.43E+00	3.64E-02	2.42E-06	5.73E-03	1.68E-01	9.28E-03	1.41E-01	1.34E-01	1.65E+00
3483	490363.09	3849377.25	0.12886	0.08018	0.06527	0.0868	0.39067	0.05956	0.08067	0.08018	1.32E+00	3.61E-02	1.66E-06	4.49E-03	1.80E-01	8.23E-03	1.39E-01	1.33E-01	1.56E+00
3484	490863.09	3849377.25	0.12937	0.07943	0.04868	0.08076	0.27886	0.05735	0.07991	0.07943	1.33E+00	3.57E-02	1.23E-06	4.18E-03	1.29E-01	7.93E-03	1.38E-01	1.32E-01	1.51E+00
3485	491363.09	3849377.25	0.11194	0.0787	0.04874	0.06871	0.22722	0.05156	0.07918	0.0787	1.15E+00	3.54E-02	1.24E-06	3.56E-03	1.05E-01	7.13E-03	1.37E-01	1.30E-01	1.30E+00
3486	491863.09	3849377.25	0.09229	0.07798	0.05873	0.08506	0.2128	0.04988	0.07845	0.07798	9.46E-01	3.51E-02	1.49E-06	4.40E-03	9.81E-02	6.90E-03	1.35E-01	1.29E-01	1.10E+00
3487	492363.09	3849377.25	0.09693	0.07728	0.05242	0.08937	0.24731	0.0486	0.07775	0.07728	9.94E-01	3.48E-02	1.33E-06	4.63E-03	1.14E-01	6.72E-03	1.34E-01	1.28E-01	1.16E+00
3488	492863.09	3849377.25	0.10061	0.07659	0.06505	0.09397	0.24475	0.04767	0.07706	0.07659	1.03E+00	3.45E-02	1.65E-06	4.86E-03	1.13E-01	6.59E-03	1.33E-01	1.27E-01	1.20E+00
3489	493363.09	3849377.25	0.10288	0.07592	0.04644	0.0852	0.28637	0.05562	0.07638	0.07592	1.05E+00	3.42E-02	1.18E-06	4.41E-03	1.32E-01	7.69E-03	1.32E-01	1.26E-01	1.24E+00
3490	493863.09	3849377.25	0.10236	0.07526	0.05614	0.07885	0.26227	0.05856	0.07572	0.07526	1.05E+00	3.39E-02	1.42E-06	4.08E-03	1.21E-01	8.10E-03	1.31E-01	1.25E-01	1.22E+00
3491	494363.09	3849377.25	0.0981	0.07461	0.07932	0.05844	0.20217	0.05902	0.07507	0.07461	1.01E+00	3.36E-02	2.01E-06	3.03E-03	9.32E-02	8.16E-03	1.30E-01	1.24E-01	1.15E+00
3492	494863.09	3849377.25	0.09111	0.07396	0.10161	0.05693	0.16525	0.05804	0.07442	0.07396	9.34E-01	3.33E-02	2.58E-06	2.95E-03	7.62E-02	8.02E-03	1.28E-01	1.23E-01	1.06E+00
3493	495363.09	3849377.25	0.09215	0.07332	0.10548	0.07035	0.15785	0.05672	0.07378	0.07332	9.45E-01	3.30E-02	2.68E-06	3.64E-03	7.27E-02	7.84E-03	1.27E-01	1.21E-01	1.07E+00
3494	495863.09	3849377.25	0.10346	0.07267	0.0892	0.08182	0.1749	0.05572	0.07313	0.07267	1.06E+00	3.27E-02	2.26E-06	4.24E-03	8.06E-02	7.70E-03	1.26E-01	1.20E-01	1.19E+00
3495	496363.09	3849377.25	0.11283	0.07203	0.07178	0.0776	0.15702	0.05487	0.0725	0.07203	1.16E+00	3.24E-02	1.82E-06	4.02E-03	7.24E-02	7.59E-03	1.25E-01	1.19E-01	1.28E+00
3496	496863.09	3849377.25	0.11992	0.07141	0.06553	0.07978	0.13921	0.05401	0.07187	0.07141	1.23E+00	3.21E-02	1.66E-06	4.13E-03	6.42E-02	7.47E-03	1.24E-01	1.18E-01	1.34E+00
3497	497363.09	3849377.25	0.12532	0.07078	0.06811	0.08241	0.28465	0.05693	0.07124	0.07078	1.29E+00	3.19E-02	1.73E-06	4.27E-03	1.31E-01	7.87E-03	1.23E-01	1.17E-01	1.47E+00
3498	497863.09	3849377.25	0.1299	0.07019	0.08327	0.09376	0.40467	0.0658	0.07066	0.07019	1.33E+00	3.16E-02	2.11E-06	4.85E-03	1.86E-01	9.10E-03	1.22E-01	1.16E-01	1.57E+00
3499	498363.09	3849377.25	0.13409	0.06953	0.09583	0.07265	0.4172	0.07361	0.07001	0.06953	1.37E+00	3.13E-02	2.43E-06	3.76E-03	1.92E-01	1.02E-02	1.21E-01	1.15E-01	1.62E+00
3500	471363.09	3849877.25	0.21345	0.18672	0.15252	0.14353	0.38563	0.14604	0.18854	0.18672	2.19E+00	8.40E-02	3.87E-06	7.43E-03	1.78E-01	2.02E-02	3.26E-01	3.09E-01	2.49E+00
3501	471863.09	3849877.25	0.27052	0.26845	0.18189	0.14252	0.33542	0.15321	0.27093	0.26845	2.77E+00	1.21E-01	4.61E-06	7.38E-03	1.55E-01	2.12E-02	4.68E-01	4.45E-01	3.10E+00
3502	472363.09	3849877.25	0.29831	0.31677	0.32617	0.14669	0.23678	0.19741	0.31967	0.31677	3.06E+00	1.43E-01	8.27E-06	7.59E-03	1.09E-01	2.73E-02	5.52E-01	5.25E-01	3.37E+00
3503	472863.09	3849877.25	0.31988	0.33899	0.44405	0.19518	0.18499	0.21998	0.34228	0.33899	3.28E+00	1.53E-01	1.13E-05	1.01E-02	8.53E-02	3.04E-02	5.91E-01	5.62E-01	3.59E+00
3504	473363.09	3849877.25	0.32372	0.3647	0.49806	0.23159	0.32175	0.2286	0.36808	0.3647	3.32E+00	1.64E-01	1.26E-05	1.20E-02	1.48E-01	3.16E-02	6.35E-01	6.04E-01	3.71E+00
3505	473863.09	3849877.25	0.37988	0.38954	0.48164	0.23461	0.56188	0.23753	0.39277	0.38954	3.90E+00	1.75E-01	1.22E-05	1.21E-02	2.59E-01	3.28E-02	6.78E-01	6.45E-01	4.41E+00
3506	474363.09	3849877.25	0.44155	0.42134	0.52012	0.23646	0.71571	0.27517	0.42465	0.42134	4.53E+00	1.90E-01	1.32E-05	1.22E-02	3.30E-01	3.80E-02	7.33E-01	6.98E-01	5.13E+00
3507	474863.09	3849877.25	0.4739	0.46491	0.80508	0.2586	0.67167	0.26951	0.46872	0.46491	4.86E+00	2.09E-01	2.04E-05	1.34E-02	3.10E-01	3.73E-02	8.09E-01	7.70E-01	5.47E+00
3508	475363.09	3849877.25	0.47141	0.52902	0.84795	0.32457	0.46713	0.29423	0.53313	0.52902	4.83E+00	2.38E-01	2.15E-05	1.68E-02	2.15E-01	4.07E-02	9.20E-01	8.77E-01	5.39E+00
3509	475863.09	3849877.25	0.4288	0.77264	0.56003	0.40901	0.74899	0.30738	0.77947	0.77264	4.40E+00	3.48E-01	1.42E-05	2.12E-02	3.45E-01	4.25E-02	1.35E+00	1.28E+00	5.22E+00
3510	476363.09	3849877.25	0.37483	0.76941	0.20421	0.43315	0.9572	0.30265	0.77517	0.76941	3.84E+00	3.46E-01	5.18E-06	2.24E-02	4.41E-01	4.18E-02	1.34E+00	1.27E+00	4.76E+00
3511	476863.09	3849877.25	0.41783	1.06927	0.4631	0.40871	0.83576	0.26584	1.07837	1.06927	4.28E+00	4.81E-01	1.17E-05	2.12E-02	3.85E-01	3.68E-02	1.86E+00	1.77E+00	5.30E+00
3512	477363.09	3849877.25	0.45772	1.61237	0.65154	0.25646	0.52627	0.20917	1.62902	1.61237	4.69E+00	7.26E-01	1.65E-05	1.33E-02	2.43E-01	2.89E-02	2.81E+00	2.67E+00	5.84E+00
3513	477863.09	3849877.25	0.48961	3.42538	0.40065	0.23189	0.42394	0.20536	3.41275	3.42538	5.02E+00	1.54E+00	1.02E-05	1.20E-02	1.95E-01	2.84E-02	5.89E+00	5.68E+00	7.01E+00
3514	478363.09	3849877.25	0.51144	1.37971	0.22183	0.47746	0.52043	0.26982	1.38748	1.37971	5.24E+00	6.21E-01	5.63E-06	2.47E-02	2.40E-01	3.73E-02	2.40E+00	2.29E+00	6.28E+00
3515	478863.09	3849877.25	0.71885	0.83445	0.12989	0.4214	0.75348	0.43581	0.84026	0.83445	7.37E+00	3.76E-01	3.30E-06	2.18E-02	3.47E-01	6.03E-02	1.45E+00	1.38E+00	8.24E+00
3516	479363.09	3849877.25	0.79767	0.54375	0.12401	0.29516	0.62441	0.29946	0.54636	0.54375	8.18E+00	2.45E-01	3.15E-06	1.53E-02	2.88E-01	4.14E-02	9.43E-01	9.01E-01	8.81E+00
3517	479863.09	3849877.25	0.73967	0.50226	0.10038	0.26152	0.46748	0.29517	0.5534	0.50226	7.58E+00	2.26E-01	2.55E-06	1.35E-02	2.15E-01	4.08E-02	9.55E-01	8.32E-01	8.20E+00
3518	480363.09	3849877.25	0.63007	0.34386	0.2736	0.34447	0.25906	0.25682	0.34655	0.34386	6.46E+00	1.55E-01	6.94E-06	1.78E-02	1.19E-01	3.55E-02	5.98E-01	5.70E-01	6.82E+00
3519	480863.09	3849877.25	0.60041	0.28801	0.11357	0.35611	0.62799	0.18348	0.29149	0.28801	6.16E+00	1.30E-01	2.88E-06	1.84E-02	2.89E-01	2.54E-02	5.03E-01	4.77E-01	6.65E+00
3520	481363.09	3849877.25	0.52729	0.26277	0.24075	0.20867	1.16076	0.13901	0.2658	0.26277	5.41E+00	1.18E-01	6.11E-06	1.08E-02	5.35E-01	1.92E-02	4.59E-01	4.35E-01	6.11E+00
3521	481863.09	3849877.25	0.34071	0.14221	0.20422	0.08961	0.41988	0.10223	0.14312	0.14221	3.49E+00	6.40E-02	5.18E-06	4.64E-03	1.93E-01	1.41E-02	2.47E-01	2.36E-01	3.78E+00
3522	482363.09	3849877.25	0.2894	0.11026	0.12029	0.0994	0.14356	0.09967	0.11691	0.11026	2.97E+00	4.96E-02	3.05E-06	5.15E-03	6.62E-02	1.38E-02	2.02E-01	1.83E-01	3.12E+00
3523	482863.09	3849877.25	0.28965	0.10587	0.10341	0.09142	0.19805	0.09296	0.10944	0.10587	2.97E+00	4.76E-02	2.62E-06	4.73E-03	9.13E-02	1.29E-02	1.89E-01	1.75E-01	3.14E+00
3524	483363.09	3849877.25	0.24075	0.08813	0.11412	0.09161	0.25616	0.11865	0.0886	0.08813	2.47E+00	3.97E-02	2.89E-06	4.74E-03	1.18E-01	1.64E-02	1.53E-01	1.46E-01	2.65E+00
3525	483863.09	3849877.25	0.26731	0.08704	0.09131	0.08691	0.27651	0.13369	0.08752	0.08704	2.74E+00	3.92E-02	2.32E-06	4.50E-03	1.27E-01	1.85E-02	1.51E-01	1.44E-01	2.94E+00
3526	484363.09	3849877.25	0.3471	0.10733	0.13243	0.1274	0.2359	0.13891	0.10845	0.10733	3.56E+00	4.83E-02	3.36E-06	6.60E-03	1.09E-01	1.92E-02	1.87E-01	1.78E-01	3.75E+00
3527	484863.09	3849877.25	0.38267	0.12047	0.18804	0.15722	0.94479	0.13402	0.14133	0.12047	3.92E+00	5.42E-02	4.77E-06	8.14E-03	4.35E-01	1.85E-02	2.44E-01	2.00E-01	4.48E+00
3528	485363.09	3849877.25	0.38493	0.10345	0.10509	0.15296	1.11806	0.08841	0.1107	0.10345	3.95E+00	4.66E-02	2.67E-06	7.92E-03	5.15E-01	1.22E-02	1.91E-01	1.71E-01	4.55E+00
3529	485863.09	3849877.25	0.283	0.09914	0.122	0.11609	0.50366	0.07715	0.10023	0.09914	2.90E+00	4.46E-02	3.09E-06	6.01E-03	2.32E-01	1.07E-02	1.73E-01	1.64E-01	3.20E+00
3530	486363.09	3849877.25	0.23206	0.09477	0.13749	0.09222	0.26557	0.06773	0.09566	0.09477	2.38E+00	4.27E-02	3.49E-06	4.77E-03	1.22E-01	9.36E-03	1.65E-01	1.57E-01	2.57E+00

3531	486863.09	3849877.25	0.22945	0.09036	0.12388	0.10893	0.29416	0.10298	0.09135	0.09036	2.35E+00	4.07E-02	3.14E-06	5.64E-03	1.36E-01	1.42E-02	1.58E-01	1.50E-01	2.56E+00
3532	487363.09	3849877.25	0.17669	0.08474	0.1514	0.07362	0.34184	0.09829	0.08565	0.08474	1.81E+00	3.81E-02	3.84E-06	3.81E-03	1.58E-01	1.36E-02	1.48E-01	1.40E-01	2.03E+00
3533	487863.09	3849877.25	0.17866	0.08204	0.11198	0.06514	0.39171	0.09428	0.08258	0.08204	1.83E+00	3.69E-02	2.84E-06	3.37E-03	1.81E-01	1.30E-02	1.43E-01	1.36E-01	2.07E+00
3534	488363.09	3849877.25	0.19136	0.08123	0.11929	0.07272	0.51619	0.10975	0.08177	0.08123	1.96E+00	3.66E-02	3.03E-06	3.76E-03	2.38E-01	1.52E-02	1.41E-01	1.35E-01	2.26E+00
3535	488863.09	3849877.25	0.19142	0.08052	0.09807	0.10312	0.25423	0.09569	0.08105	0.08052	1.96E+00	3.62E-02	2.49E-06	5.34E-03	1.17E-01	1.32E-02	1.40E-01	1.33E-01	2.14E+00
3536	489363.09	3849877.25	0.14589	0.07984	0.0773	0.11498	0.39059	0.07387	0.08038	0.07984	1.50E+00	3.59E-02	1.96E-06	5.95E-03	1.80E-01	1.02E-02	1.39E-01	1.32E-01	1.73E+00
3537	489863.09	3849877.25	0.13254	0.0792	0.10056	0.11106	0.57457	0.06887	0.07974	0.0792	1.36E+00	3.56E-02	2.55E-06	5.75E-03	2.65E-01	9.52E-03	1.38E-01	1.31E-01	1.68E+00
3538	490363.09	3849877.25	0.12893	0.07856	0.07342	0.08948	0.35165	0.06745	0.0791	0.07856	1.32E+00	3.54E-02	1.86E-06	4.63E-03	1.62E-01	9.33E-03	1.37E-01	1.30E-01	1.54E+00
3539	490863.09	3849877.25	0.13	0.07792	0.06536	0.08022	0.28334	0.05683	0.07847	0.07792	1.33E+00	3.51E-02	1.66E-06	4.15E-03	1.31E-01	7.86E-03	1.35E-01	1.29E-01	1.52E+00
3540	491363.09	3849877.25	0.118	0.07729	0.09052	0.06987	0.18764	0.05192	0.07783	0.07729	1.21E+00	3.48E-02	2.30E-06	3.62E-03	8.65E-02	7.18E-03	1.34E-01	1.28E-01	1.35E+00
3541	491863.09	3849877.25	0.10016	0.07664	0.05103	0.08696	0.25354	0.05122	0.07719	0.07664	1.03E+00	3.45E-02	1.29E-06	4.50E-03	1.17E-01	7.08E-03	1.33E-01	1.27E-01	1.20E+00
3542	492363.09	3849877.25	0.104	0.07599	0.05983	0.09514	0.22771	0.05772	0.07654	0.07599	1.07E+00	3.42E-02	1.52E-06	4.93E-03	1.05E-01	7.98E-03	1.32E-01	1.26E-01	1.22E+00
3543	492863.09	3849877.25	0.10602	0.07534	0.06439	0.09257	0.29201	0.05978	0.07589	0.07534	1.09E+00	3.39E-02	1.63E-06	4.79E-03	1.35E-01	8.26E-03	1.31E-01	1.25E-01	1.27E+00
3544	493363.09	3849877.25	0.10459	0.07468	0.08542	0.08399	0.28499	0.05988	0.07523	0.07468	1.07E+00	3.36E-02	2.17E-06	4.35E-03	1.31E-01	8.28E-03	1.30E-01	1.24E-01	1.26E+00
3545	493863.09	3849877.25	0.09915	0.07401	0.10549	0.07644	0.22902	0.05856	0.07457	0.07401	1.02E+00	3.33E-02	2.68E-06	3.96E-03	1.06E-01	8.10E-03	1.29E-01	1.23E-01	1.17E+00
3546	494363.09	3849877.25	0.09402	0.07334	0.10904	0.05579	0.17164	0.05713	0.0739	0.07334	9.64E-01	3.30E-02	2.77E-06	2.89E-03	7.91E-02	7.90E-03	1.28E-01	1.22E-01	1.09E+00
3547	494863.09	3849877.25	0.10538	0.07266	0.09439	0.06556	0.1638	0.05626	0.07322	0.07266	1.08E+00	3.27E-02	2.39E-06	3.39E-03	7.55E-02	7.78E-03	1.26E-01	1.20E-01	1.21E+00
3548	495363.09	3849877.25	0.11448	0.07195	0.07156	0.07883	0.18151	0.05634	0.0725	0.07195	1.17E+00	3.24E-02	1.82E-06	4.08E-03	8.36E-02	7.79E-03	1.25E-01	1.19E-01	1.31E+00
3549	495863.09	3849877.25	0.12113	0.07125	0.0631	0.08454	0.16054	0.0545	0.0718	0.07125	1.24E+00	3.21E-02	1.60E-06	4.38E-03	7.40E-02	7.53E-03	1.24E-01	1.18E-01	1.37E+00
3550	496363.09	3849877.25	0.12617	0.07053	0.06716	0.07878	0.18066	0.05382	0.07108	0.07053	1.29E+00	3.17E-02	1.70E-06	4.08E-03	8.33E-02	7.44E-03	1.23E-01	1.17E-01	1.43E+00
3551	496863.09	3849877.25	0.13057	0.0698	0.08214	0.08527	0.33741	0.06079	0.07035	0.0698	1.34E+00	3.14E-02	2.08E-06	4.41E-03	1.55E-01	8.40E-03	1.21E-01	1.16E-01	1.54E+00
3552	497363.09	3849877.25	0.13477	0.0691	0.10043	0.09553	0.43479	0.06947	0.06965	0.0691	1.38E+00	3.11E-02	2.55E-06	4.95E-03	2.00E-01	9.60E-03	1.20E-01	1.14E-01	1.63E+00
3553	497863.09	3849877.25	0.13838	0.06836	0.10672	0.07515	0.40544	0.07689	0.06892	0.06836	1.42E+00	3.08E-02	2.71E-06	3.89E-03	1.87E-01	1.06E-02	1.19E-01	1.13E-01	1.66E+00
3554	498363.09	3849877.25	0.14036	0.0676	0.09749	0.06676	0.28069	0.08242	0.06814	0.0676	1.44E+00	3.04E-02	2.47E-06	3.46E-03	1.29E-01	1.14E-02	1.18E-01	1.12E-01	1.62E+00
3555	471363.09	3850377.25	0.19989	0.15229	0.17211	0.13933	0.44117	0.14994	0.153	0.15229	2.05E+00	6.85E-02	4.37E-06	7.21E-03	2.03E-01	2.07E-02	2.64E-01	2.52E-01	2.36E+00
3556	471863.09	3850377.25	0.20012	0.17106	0.16769	0.14713	0.55378	0.15373	0.1726	0.17106	2.05E+00	7.70E-02	4.25E-06	7.62E-03	2.55E-01	2.13E-02	2.98E-01	2.83E-01	2.43E+00
3557	472363.09	3850377.25	0.23748	0.20693	0.19829	0.15226	0.44629	0.1549	0.20887	0.20693	2.44E+00	9.31E-02	5.03E-06	7.88E-03	2.06E-01	2.14E-02	3.61E-01	3.43E-01	2.78E+00
3558	472863.09	3850377.25	0.2848	0.27221	0.23418	0.15368	0.37803	0.18522	0.27526	0.27221	2.92E+00	1.23E-01	5.94E-06	7.96E-03	1.74E-01	2.56E-02	4.75E-01	4.51E-01	3.27E+00
3559	473363.09	3850377.25	0.3233	0.30262	0.36251	0.15607	0.277	0.20635	0.30623	0.30262	3.32E+00	1.36E-01	9.20E-06	8.08E-03	1.28E-01	2.85E-02	5.29E-01	5.01E-01	3.64E+00
3560	473863.09	3850377.25	0.34345	0.34176	0.48185	0.2159	0.19591	0.23009	0.34606	0.34176	3.52E+00	1.54E-01	1.22E-05	1.12E-02	9.03E-02	3.18E-02	5.97E-01	5.66E-01	3.84E+00
3561	474363.09	3850377.25	0.35536	0.37316	0.54622	0.24837	0.38585	0.24463	0.37813	0.37316	3.64E+00	1.68E-01	1.39E-05	1.29E-02	1.78E-01	3.38E-02	6.53E-01	6.18E-01	4.07E+00
3562	474863.09	3850377.25	0.43395	0.40078	0.51387	0.24416	0.63432	0.28623	0.40665	0.40078	4.45E+00	1.80E-01	1.30E-05	1.26E-02	2.92E-01	3.96E-02	7.02E-01	6.64E-01	5.01E+00
3563	475363.09	3850377.25	0.48701	0.41539	0.72007	0.24758	0.75209	0.29109	0.42126	0.41539	4.99E+00	1.87E-01	1.83E-05	1.28E-02	3.47E-01	4.02E-02	7.27E-01	6.88E-01	5.62E+00
3564	475863.09	3850377.25	0.50588	0.47153	0.96043	0.28355	0.67332	0.29539	0.47633	0.47153	5.19E+00	2.12E-01	2.44E-05	1.47E-02	3.10E-01	4.08E-02	8.22E-01	7.81E-01	5.81E+00
3565	476363.09	3850377.25	0.48583	0.58636	0.82276	0.39288	0.58913	0.32291	0.59225	0.58636	4.98E+00	2.64E-01	2.09E-05	2.03E-02	2.71E-01	4.46E-02	1.02E+00	9.72E-01	5.63E+00
3566	476863.09	3850377.25	0.42175	0.60774	0.39541	0.44556	0.91197	0.32399	0.61419	0.60774	4.32E+00	2.74E-01	1.00E-05	2.31E-02	4.20E-01	4.48E-02	1.06E+00	1.01E+00	5.14E+00
3567	477363.09	3850377.25	0.41456	0.74844	0.41696	0.47477	0.87706	0.31798	0.75598	0.74844	4.25E+00	3.37E-01	1.06E-05	2.46E-02	4.04E-01	4.40E-02	1.31E+00	1.24E+00	5.13E+00
3568	477863.09	3850377.25	0.43964	0.9973	0.72977	0.38834	0.719	0.23894	1.00798	0.9973	4.51E+00	4.49E-01	1.85E-05	2.01E-02	3.31E-01	3.30E-02	1.74E+00	1.65E+00	5.43E+00
3569	478363.09	3850377.25	0.4633	1.69411	0.45177	0.22153	0.40564	0.21229	1.71742	1.69411	4.75E+00	7.62E-01	1.15E-05	1.15E-02	1.87E-01	2.93E-02	2.97E+00	2.81E+00	5.90E+00
3570	478863.09	3850377.25	0.71167	3.37282	0.26507	0.44574	0.52612	0.29548	3.30723	3.37282	7.30E+00	1.52E+00	6.72E-06	2.31E-02	2.42E-01	4.09E-02	5.71E+00	5.59E+00	9.24E+00
3571	479363.09	3850377.25	0.86957	1.31411	0.14569	0.4912	0.70609	0.49516	1.31609	1.31411	8.92E+00	5.91E-01	3.70E-06	2.54E-02	3.25E-01	6.85E-02	2.27E+00	2.18E+00	1.00E+01
3572	479863.09	3850377.25	0.89472	0.87011	0.1417	0.32304	0.74181	0.35825	0.87341	0.87011	9.17E+00	3.92E-01	3.59E-06	1.67E-02	3.42E-01	4.95E-02	1.51E+00	1.44E+00	1.00E+01
3573	480363.09	3850377.25	0.76419	0.59221	0.32815	0.2817	0.52684	0.3027	0.59541	0.59221	7.84E+00	2.67E-01	8.32E-06	1.46E-02	2.43E-01	4.18E-02	1.03E+00	9.81E-01	8.45E+00
3574	480863.09	3850377.25	0.74931	0.66001	0.46151	0.39437	0.28339	0.29632	0.50698	0.66001	7.68E+00	2.97E-01	1.17E-05	2.04E-02	1.31E-01	4.10E-02	8.75E-01	1.09E+00	7.95E+00
3575	481363.09	3850377.25	0.5632	0.36025	0.18131	0.34761	0.7546	0.17144	0.36322	0.36025	5.78E+00	1.62E-01	4.60E-06	1.80E-02	3.48E-01	2.37E-02	6.27E-01	5.97E-01	6.36E+00
3576	481863.09	3850377.25	0.61621	0.29546	0.28227	0.19703	1.22144	0.15498	0.29906	0.29546	6.32E+00	1.33E-01	7.16E-06	1.02E-02	5.63E-01	2.14E-02	5.16E-01	4.90E-01	7.07E+00
3577	482363.09	3850377.25	0.69655	0.27304	0.2289	0.16284	0.6039	0.11766	0.27623	0.27304	7.14E+00	1.23E-01	5.81E-06	8.43E-03	2.78E-01	1.63E-02	4.77E-01	4.52E-01	7.59E+00
3578	482863.09	3850377.25	0.30237	0.16688	0.10088	0.11229	0.16677	0.1144	0.17338	0.16688	3.10E+00	7.51E-02	2.56E-06	5.81E-03	7.69E-02	1.58E-02	2.99E-01	2.77E-01	3.30E+00
3579	483363.09	3850377.25	0.30919	0.14639	0.12397	0.0999	0.23544	0.12078	0.14965	0.14639	3.17E+00	6.59E-02	3.14E-06	5.17E-03	1.09E-01	1.67E-02	2.58E-01	2.43E-01	3.38E+00
3580	483863.09	3850377.25	0.34558	0.1341	0.09005	0.12585	0.28688	0.15372	0.13596	0.1341	3.54E+00	6.04E-02	2.28E-06	6.51E-03	1.32E-01	2.13E-02	2.35E-01	2.22E-01	3.78E+00
3581	484363.09	3850377.25	0.35884	0.12535	0.14743	0.13148	0.41647	0.1666	0.12685	0.12535	3.68E+00	5.64E-02	3.74E-06	6.81E-03	1.92E-01	2.30E-02	2.19E-01	2.08E-01	3.97E+00
3582	484863.09	3850377.25	0.42844	0.12633	0.17166	0.15216	0.75591	0.15213	0.12737	0.12633	4.39E+00	5.69E-02	4.35E-06	7.88E-03	3.48E-01	2.10E-02	2.20E-01	2.09E-01	4.84E+00
3583	485363.09	3850377.25	0.49091	0.13023	0.11657	0.17537	1.1992	0.11351	0.13134	0.13023	5.03E+00	5.86E-02	2.96E-06	9.08E-03	5.53E-01	1.57E-02	2.27E-01	2.16E-01	5.68E+00
3584	485863.09	3850377.25	0.43266	0.11066	0.15912	0.14597	0.82781	0.08053	0.1116	0.11066	4.44E+00	4.98E-02	4.04E-06	7.56E-03	3.81E-01	1.11E-02	1.93E-01	1.83E-01	4.90E+00
3585	486363.09	3850377.25	0.43405	0.10878	0.1815	0.11965	0.60492	0.08242	0.10973	0.10878	4.45E+00	4.90E-02	4.60E-06	6.19E-03	2.79E-01	1.14E-02	1.89E-01	1.80E-01	4.81E+00
3586	486863.09	3850377.25	0.3368	0.10483	0.17093	0.12203	0.64863	0.11011	0.10576	0.10483	3.45E+00	4.72E-02	4.34E-06	6.32E-03	2.99E-01	1.52E-02	1.83E-01	1.74E-01	3.83E+00
3587	487363.09	3850377.25	0.18117	0.09991	0.0978	0.09406	0.35233	0.11331	0.10108	0.09991	1.86E+00	4.50E-02	2.48E-06	4.87E-03	1.62E-01	1.57E-02	1.75E-01	1.66E-01	2.09E+00

3588	487863.09	3850377.25	0.18173	0.09694	0.1351	0.07977	0.62709	0.10194	0.09807	0.09694	1.86E+00	4.36E-02	3.43E-06	4.13E-03	2.89E-01	1.41E-02	1.69E-01	1.61E-01	2.22E+00
3589	488363.09	3850377.25	0.19599	0.09318	0.10968	0.07635	0.52098	0.11276	0.0942	0.09318	2.01E+00	4.19E-02	2.78E-06	3.95E-03	2.40E-01	1.56E-02	1.63E-01	1.54E-01	2.32E+00
3590	488863.09	3850377.25	0.19332	0.08852	0.13895	0.10544	0.30638	0.09719	0.08943	0.08852	1.98E+00	3.98E-02	3.52E-06	5.46E-03	1.41E-01	1.34E-02	1.54E-01	1.47E-01	2.19E+00
3591	489363.09	3850377.25	0.14455	0.08298	0.0896	0.11825	0.40685	0.07309	0.08374	0.08298	1.48E+00	3.73E-02	2.27E-06	6.12E-03	1.87E-01	1.01E-02	1.45E-01	1.37E-01	1.73E+00
3592	489863.09	3850377.25	0.14256	0.07907	0.09636	0.11116	0.61681	0.07058	0.07984	0.07907	1.46E+00	3.56E-02	2.44E-06	5.75E-03	2.84E-01	9.76E-03	1.38E-01	1.31E-01	1.80E+00
3593	490363.09	3850377.25	0.13062	0.07822	0.11408	0.09199	0.40971	0.07008	0.07898	0.07822	1.34E+00	3.52E-02	2.89E-06	4.76E-03	1.89E-01	9.69E-03	1.36E-01	1.30E-01	1.58E+00
3594	490863.09	3850377.25	0.12957	0.07735	0.09523	0.07926	0.26051	0.05832	0.0781	0.07735	1.33E+00	3.48E-02	2.42E-06	4.10E-03	1.20E-01	8.06E-03	1.35E-01	1.28E-01	1.50E+00
3595	491363.09	3850377.25	0.11185	0.07645	0.04932	0.08275	0.47354	0.05953	0.07719	0.07645	1.15E+00	3.44E-02	1.25E-06	4.28E-03	2.18E-01	8.23E-03	1.33E-01	1.27E-01	1.42E+00
3596	491863.09	3850377.25	0.11441	0.07553	0.06255	0.08893	0.26009	0.06099	0.07625	0.07553	1.17E+00	3.40E-02	1.59E-06	4.60E-03	1.20E-01	8.43E-03	1.32E-01	1.25E-01	1.35E+00
3597	492363.09	3850377.25	0.1091	0.07459	0.09616	0.0981	0.29078	0.06079	0.0753	0.07459	1.12E+00	3.36E-02	2.44E-06	5.08E-03	1.34E-01	8.40E-03	1.30E-01	1.24E-01	1.31E+00
3598	492863.09	3850377.25	0.10667	0.07365	0.11712	0.09022	0.30633	0.05904	0.07434	0.07365	1.09E+00	3.31E-02	2.97E-06	4.67E-03	1.41E-01	8.16E-03	1.28E-01	1.22E-01	1.29E+00
3599	493363.09	3850377.25	0.10016	0.0727	0.1111	0.08362	0.25435	0.05752	0.07338	0.0727	1.03E+00	3.27E-02	2.82E-06	4.33E-03	1.17E-01	7.95E-03	1.27E-01	1.20E-01	1.20E+00
3600	493863.09	3850377.25	0.10732	0.07176	0.09044	0.0719	0.20502	0.05676	0.07242	0.07176	1.10E+00	3.23E-02	2.29E-06	3.72E-03	9.45E-02	7.85E-03	1.25E-01	1.19E-01	1.24E+00
3601	494363.09	3850377.25	0.11608	0.07081	0.0687	0.06098	0.17026	0.05596	0.07146	0.07081	1.19E+00	3.19E-02	1.74E-06	3.16E-03	7.85E-02	7.74E-03	1.23E-01	1.17E-01	1.32E+00
3602	494863.09	3850377.25	0.12224	0.06987	0.06002	0.07378	0.18865	0.05503	0.07051	0.06987	1.25E+00	3.14E-02	1.52E-06	3.82E-03	8.69E-02	7.61E-03	1.22E-01	1.16E-01	1.39E+00
3603	495363.09	3850377.25	0.12693	0.06894	0.06799	0.09004	0.22008	0.09042	0.06957	0.06894	1.30E+00	3.10E-02	1.72E-06	4.66E-03	1.01E-01	1.25E-02	1.20E-01	1.14E-01	1.46E+00
3604	495863.09	3850377.25	0.13121	0.06798	0.08523	0.08057	0.23091	0.06971	0.0686	0.06798	1.35E+00	3.06E-02	2.16E-06	4.17E-03	1.06E-01	9.64E-03	1.18E-01	1.13E-01	1.50E+00
3605	496363.09	3850377.25	0.13544	0.06706	0.1052	0.09012	0.38989	0.06481	0.06767	0.06706	1.39E+00	3.02E-02	2.67E-06	4.67E-03	1.80E-01	8.96E-03	1.17E-01	1.11E-01	1.62E+00
3606	496863.09	3850377.25	0.13912	0.06616	0.1116	0.09853	0.45279	0.07296	0.06676	0.06616	1.43E+00	2.98E-02	2.83E-06	5.10E-03	2.09E-01	1.01E-02	1.15E-01	1.10E-01	1.69E+00
3607	497363.09	3850377.25	0.14104	0.06525	0.10014	0.08815	0.37956	0.08003	0.06584	0.06525	1.45E+00	2.94E-02	2.54E-06	4.56E-03	1.75E-01	1.11E-02	1.14E-01	1.08E-01	1.67E+00
3608	497863.09	3850377.25	0.13981	0.06433	0.07769	0.07724	0.23436	0.08451	0.06491	0.06433	1.43E+00	2.90E-02	1.97E-06	4.00E-03	1.08E-01	1.17E-02	1.12E-01	1.07E-01	1.59E+00
3609	498363.09	3850377.25	0.13475	0.06343	0.06267	0.08029	0.281	0.08163	0.064	0.06343	1.38E+00	2.85E-02	1.59E-06	4.16E-03	1.29E-01	1.13E-02	1.10E-01	1.05E-01	1.56E+00
3610	471363.09	3850877.25	0.22063	0.13285	0.18485	0.15778	0.46183	0.14275	0.13363	0.13285	2.26E+00	5.98E-02	4.69E-06	8.17E-03	2.13E-01	1.97E-02	2.31E-01	2.20E-01	2.57E+00
3611	471863.09	3850877.25	0.2276	0.12815	0.19028	0.13589	0.41412	0.1494	0.12888	0.12815	2.33E+00	5.77E-02	4.83E-06	7.03E-03	1.91E-01	2.07E-02	2.23E-01	2.12E-01	2.62E+00
3612	472363.09	3850877.25	0.22664	0.15395	0.18981	0.14139	0.55947	0.15561	0.15524	0.15395	2.32E+00	6.93E-02	4.82E-06	7.32E-03	2.58E-01	2.15E-02	2.68E-01	2.55E-01	2.69E+00
3613	472863.09	3850877.25	0.21611	0.20467	0.23916	0.15084	0.6371	0.16055	0.20632	0.20467	2.22E+00	9.21E-02	6.07E-06	7.81E-03	2.94E-01	2.22E-02	3.56E-01	3.39E-01	2.65E+00
3614	473363.09	3850877.25	0.26269	0.20385	0.23043	0.15877	0.54809	0.16321	0.20534	0.20385	2.69E+00	9.17E-02	5.85E-06	8.22E-03	2.53E-01	2.26E-02	3.55E-01	3.38E-01	3.09E+00
3615	473863.09	3850877.25	0.31188	0.24384	0.25838	0.16434	0.43216	0.19101	0.24593	0.24384	3.20E+00	1.10E-01	6.55E-06	8.51E-03	1.99E-01	2.64E-02	4.25E-01	4.04E-01	3.56E+00
3616	474363.09	3850877.25	0.34902	0.28406	0.43474	0.17143	0.32317	0.23519	0.26843	0.28406	3.58E+00	1.28E-01	1.10E-05	8.87E-03	1.49E-01	3.25E-02	4.63E-01	4.71E-01	3.89E+00
3617	474863.09	3850877.25	0.36671	0.29979	0.54927	0.24299	0.21225	0.25341	0.29963	0.29979	3.76E+00	1.35E-01	1.39E-05	1.26E-02	9.78E-02	3.50E-02	5.17E-01	4.97E-01	4.06E+00
3618	475363.09	3850877.25	0.41544	0.33119	0.60154	0.2636	0.45924	0.26629	0.33587	0.33119	4.26E+00	1.49E-01	1.53E-05	1.36E-02	2.12E-01	3.68E-02	5.80E-01	5.49E-01	4.70E+00
3619	475863.09	3850877.25	0.48982	0.36627	0.56221	0.25248	0.69991	0.32071	0.37252	0.36627	5.02E+00	1.65E-01	1.43E-05	1.31E-02	3.23E-01	4.43E-02	6.43E-01	6.07E-01	5.60E+00
3620	476363.09	3850877.25	0.53108	0.4368	0.94473	0.26629	0.69892	0.30405	0.44177	0.4368	5.45E+00	1.97E-01	2.40E-05	1.38E-02	3.22E-01	4.20E-02	7.63E-01	7.24E-01	6.06E+00
3621	476863.09	3850877.25	0.53298	0.45757	1.06554	0.34366	0.62525	0.33099	0.46578	0.45757	5.47E+00	2.06E-01	2.70E-05	1.78E-02	2.88E-01	4.58E-02	8.04E-01	7.58E-01	6.07E+00
3622	477363.09	3850877.25	0.49125	0.51088	0.70069	0.43836	0.74889	0.34238	0.51997	0.51088	5.04E+00	2.30E-01	1.78E-05	2.27E-02	3.45E-01	4.73E-02	8.98E-01	8.46E-01	5.73E+00
3623	477863.09	3850877.25	0.41434	0.58733	0.35244	0.49751	0.95467	0.35382	0.59852	0.58733	4.25E+00	2.64E-01	8.94E-06	2.58E-02	4.40E-01	4.89E-02	1.03E+00	9.73E-01	5.09E+00
3624	478363.09	3850877.25	0.44797	0.72856	0.79697	0.51479	0.90965	0.32399	0.74349	0.72856	4.59E+00	3.28E-01	2.02E-05	2.66E-02	4.19E-01	4.48E-02	1.28E+00	1.21E+00	5.49E+00
3625	478863.09	3850877.25	0.44754	0.94769	0.58958	0.3032	0.62235	0.21621	0.96885	0.94769	4.59E+00	4.27E-01	1.50E-05	1.57E-02	2.87E-01	2.99E-02	1.67E+00	1.57E+00	5.45E+00
3626	479363.09	3850877.25	0.46897	1.52582	0.31058	0.40246	0.52385	0.39194	1.55742	1.52582	4.81E+00	6.87E-01	7.88E-06	2.08E-02	2.41E-01	5.42E-02	2.69E+00	2.53E+00	5.97E+00
3627	479863.09	3850877.25	0.94615	3.67909	0.15644	0.58069	0.64891	0.51306	3.57632	3.67909	9.70E+00	1.66E+00	3.97E-06	3.01E-02	2.99E-01	7.09E-02	6.17E+00	6.10E+00	1.18E+01
3628	480363.09	3850877.25	0.95481	1.26763	0.15188	0.34307	0.7237	0.41984	1.26643	1.26763	9.79E+00	5.70E-01	3.85E-06	1.78E-02	3.34E-01	5.80E-02	2.19E+00	2.10E+00	1.09E+01
3629	480863.09	3850877.25	0.73683	1.0211	0.83163	0.32436	0.55331	0.36442	0.97328	1.0211	7.56E+00	4.60E-01	2.11E-05	1.68E-02	2.55E-01	5.04E-02	1.68E+00	1.69E+00	8.33E+00
3630	481363.09	3850877.25	0.7837	0.956	0.51797	0.42936	0.31091	0.31444	0.85834	0.956	8.04E+00	4.30E-01	1.31E-05	2.22E-02	1.43E-01	4.35E-02	1.48E+00	1.58E+00	8.57E+00
3631	481863.09	3850877.25	0.69099	0.50842	0.31238	0.45966	1.21807	0.27357	0.55755	0.50842	7.09E+00	2.29E-01	7.92E-06	2.38E-02	5.61E-01	3.78E-02	9.63E-01	8.42E-01	8.06E+00
3632	482363.09	3850877.25	0.92438	0.37134	0.2314	0.26068	1.41487	0.19941	0.43588	0.37134	9.48E+00	1.67E-01	5.87E-06	1.35E-02	6.52E-01	2.76E-02	7.53E-01	6.15E-01	1.05E+01
3633	482863.09	3850877.25	0.76357	0.28318	0.24124	0.16116	0.4888	0.17393	0.29979	0.28318	7.83E+00	1.27E-01	6.12E-06	8.34E-03	2.25E-01	2.40E-02	5.18E-01	4.69E-01	8.26E+00
3634	483363.09	3850877.25	0.41221	0.19874	0.13563	0.12483	0.20311	0.14897	0.20407	0.19874	4.23E+00	8.94E-02	3.44E-06	6.46E-03	9.36E-02	2.06E-02	3.52E-01	3.29E-01	4.46E+00
3635	483863.09	3850877.25	0.35882	0.19448	0.10627	0.13567	0.43065	0.1646	0.19744	0.19448	3.68E+00	8.75E-02	2.70E-06	7.02E-03	1.98E-01	2.28E-02	3.41E-01	3.22E-01	4.01E+00
3636	484363.09	3850877.25	0.43929	0.1902	0.2044	0.13937	0.73022	0.17534	0.19198	0.1902	4.50E+00	8.56E-02	5.19E-06	7.21E-03	3.37E-01	2.42E-02	3.31E-01	3.15E-01	4.97E+00
3637	484863.09	3850877.25	0.45995	0.17789	0.1939	0.1449	0.52374	0.18285	0.17906	0.17789	4.72E+00	8.01E-02	4.92E-06	7.50E-03	2.41E-01	2.53E-02	3.09E-01	2.95E-01	5.08E+00
3638	485363.09	3850877.25	0.56003	0.1744	0.14976	0.17602	1.16414	0.15608	0.17568	0.1744	5.74E+00	7.85E-02	3.80E-06	9.11E-03	5.36E-01	2.16E-02	3.03E-01	2.89E-01	6.40E+00
3639	485863.09	3850877.25	0.48471	0.15064	0.1435	0.18537	1.07032	0.08729	0.1518	0.15064	4.97E+00	6.78E-02	3.64E-06	9.60E-03	4.93E-01	1.21E-02	2.62E-01	2.50E-01	5.57E+00
3640	486363.09	3850877.25	0.53341	0.13712	0.18061	0.1905	0.70408	0.088	0.13822	0.13712	5.47E+00	6.17E-02	4.58E-06	9.86E-03	3.24E-01	1.22E-02	2.39E-01	2.27E-01	5.89E+00
3641	486863.09	3850877.25	0.42552	0.12614	0.17053	0.15111	1.05413	0.11757	0.12753	0.12614	4.36E+00	5.68E-02	4.33E-06	7.82E-03	4.86E-01	1.63E-02	2.20E-01	2.09E-01	4.94E+00
3642	487363.09	3850877.25	0.23	0.11811	0.13147	0.10064	0.37562	0.11715	0.11945	0.11811	2.36E+00	5.32E-02	3.34E-06	5.21E-03	1.73E-01	1.62E-02	2.06E-01	1.96E-01	2.62E+00
3643	487863.09	3850877.25	0.18434	0.11205	0.12552	0.09286	0.68137	0.11446	0.11336	0.11205	1.89E+00	5.04E-02	3.18E-06	4.81E-03	3.14E-01	1.58E-02	1.96E-01	1.86E-01	2.29E+00
3644	488363.09	3850877.25	0.20022	0.10708	0.12332	0.08378	1.04248	0.11441	0.1083	0.10708	2.05E+00	4.82E-02	3.13E-06	4.34E-03	4.80E-01	1.58E-02	1.87E-01	1.77E-01	2.61E+00

3645	488863.09	3850877.25	0.19443	0.10263	0.14168	0.10786	0.35841	0.09898	0.10377	0.10263
3646	489363.09	3850877.25	0.14877	0.09837	0.11644	0.12177	0.51555	0.07448	0.09939	0.09837
3647	489863.09	3850877.25	0.15985	0.09383	0.1505	0.1109	0.61558	0.07227	0.09468	0.09383
3648	490363.09	3850877.25	0.16972	0.08893	0.09526	0.09425	0.31208	0.06877	0.0897	0.08893
3649	490863.09	3850877.25	0.17824	0.0837	0.09803	0.09947	0.39406	0.0622	0.08435	0.0837
3650	491363.09	3850877.25	0.11296	0.07411	0.1087	0.10411	0.55291	0.06178	0.07501	0.07411
3651	491863.09	3850877.25	0.11967	0.06943	0.13019	0.09938	0.28055	0.05952	0.07012	0.06943
3652	492363.09	3850877.25	0.12681	0.06824	0.11881	0.09848	0.32442	0.05803	0.0689	0.06824
3653	492863.09	3850877.25	0.1093	0.0671	0.08914	0.08781	0.27676	0.05746	0.06774	0.0671
3654	493363.09	3850877.25	0.11763	0.066	0.06391	0.08381	0.22005	0.05658	0.06662	0.066
3655	493863.09	3850877.25	0.12325	0.06496	0.06415	0.0698	0.19253	0.05553	0.06556	0.06496
3656	494363.09	3850877.25	0.1276	0.06394	0.06574	0.06907	0.19644	0.05489	0.06453	0.06394
3657	494863.09	3850877.25	0.1318	0.06298	0.08977	0.08851	0.33497	0.06899	0.06355	0.06298
3658	495363.09	3850877.25	0.13611	0.06205	0.11219	0.11797	0.28928	0.10181	0.0626	0.06205
3659	495863.09	3850877.25	0.13987	0.06112	0.11634	0.0953	0.43747	0.0688	0.06167	0.06112
3660	496363.09	3850877.25	0.14172	0.06272	0.10113	0.10399	0.45563	0.07624	0.06314	0.06272
3661	496863.09	3850877.25	0.14014	0.06697	0.07589	0.12233	0.34088	0.08313	0.06745	0.06697
3662	497363.09	3850877.25	0.13441	0.06612	0.0745	0.09368	0.28486	0.08594	0.06658	0.06612
3663	497863.09	3850877.25	0.12539	0.06263	0.07771	0.09258	0.32928	0.08026	0.0631	0.06263
3664	498363.09	3850877.25	0.11512	0.05691	0.07998	0.09436	0.27339	0.0723	0.0574	0.05691
3665	471363.09	3851377.25	0.20642	0.11952	0.16471	0.21466	0.46378	0.15002	0.12036	0.11952
3666	471863.09	3851377.25	0.23386	0.13365	0.17833	0.24329	0.47972	0.16582	0.13472	0.13365
3667	472363.09	3851377.25	0.24683	0.14628	0.19103	0.18586	0.56018	0.14707	0.14741	0.14628
3668	472863.09	3851377.25	0.25039	0.15189	0.2013	0.17555	0.54891	0.15384	0.15307	0.15189
3669	473363.09	3851377.25	0.23932	0.13322	0.20593	0.15585	0.50292	0.16048	0.13437	0.13322
3670	473863.09	3851377.25	0.23092	0.1593	0.20281	0.15135	0.66539	0.16641	0.16072	0.1593
3671	474363.09	3851377.25	0.29037	0.18319	0.25531	0.16259	0.65452	0.17073	0.18474	0.18319
3672	474863.09	3851377.25	0.34241	0.22392	0.31197	0.17288	0.4819	0.2142	0.22594	0.22392
3673	475363.09	3851377.25	0.38036	0.31346	0.48488	0.19723	0.37793	0.24833	0.24669	0.31346
3674	475863.09	3851377.25	0.39509	0.30754	0.59868	0.26605	0.25059	0.26814	0.26282	0.30754
3675	476363.09	3851377.25	0.48357	0.32439	0.65166	0.2757	0.54291	0.32325	0.32814	0.32439
3676	476863.09	3851377.25	0.55506	0.41254	0.7424	0.26539	0.8501	0.30565	0.4174	0.41254
3677	477363.09	3851377.25	0.5719	0.48621	1.1712	0.29244	0.77464	0.33046	0.38609	0.48621
3678	477863.09	3851377.25	0.55367	0.3974	1.05967	0.41615	0.64742	0.36401	0.37719	0.3974
3679	478363.09	3851377.25	0.49052	0.42741	0.46331	0.48987	0.9522	0.3714	0.43152	0.42741
3680	478863.09	3851377.25	0.44812	0.50222	0.83857	0.59149	1.07655	0.39734	0.51088	0.50222
3681	479363.09	3851377.25	0.4552	0.63184	0.73056	0.50306	0.86414	0.30429	0.63902	0.63184
3682	479863.09	3851377.25	0.50485	0.8836	0.36156	0.34508	0.50307	0.49567	0.8931	0.8836
3683	480363.09	3851377.25	0.7176	1.56155	0.17654	0.64849	0.64571	0.55166	1.59598	1.56155
3684	480863.09	3851377.25	1.18579	3.01023	0.40119	0.37955	0.81935	0.44869	3.06012	3.01023
3685	481363.09	3851377.25	0.79064	1.62907	0.91776	0.36377	0.54619	0.3822	1.38828	1.62907
3686	481863.09	3851377.25	0.74067	0.83233	0.60755	0.47199	0.35878	0.33749	0.90007	0.83233
3687	482363.09	3851377.25	0.9847	0.64787	0.34639	0.48701	1.51561	0.32138	0.60077	0.64787
3688	482863.09	3851377.25	1.00768	0.4274	0.26193	0.33758	1.59369	0.23405	0.48823	0.4274
3689	483363.09	3851377.25	0.67188	0.31737	0.15224	0.19218	0.337	0.17834	0.32937	0.31737
3690	483863.09	3851377.25	0.50345	0.24101	0.15166	0.15857	0.24773	0.16713	0.28759	0.24101
3691	484363.09	3851377.25	0.58326	0.27316	0.24509	0.24707	1.49125	0.23385	0.30742	0.27316
3692	484863.09	3851377.25	0.41382	0.18615	0.12372	0.14163	0.67383	0.17155	0.18745	0.18615
3693	485363.09	3851377.25	0.63611	0.23131	0.20081	0.1923	0.99998	0.18689	0.23296	0.23131
3694	485863.09	3851377.25	0.56334	0.19644	0.19182	0.19544	1.27687	0.11833	0.19791	0.19644
3695	486363.09	3851377.25	0.62528	0.18959	0.16578	0.21876	0.77497	0.10174	0.19124	0.18959
3696	486863.09	3851377.25	0.51064	0.17109	0.17667	0.17412	1.46564	0.12379	0.17245	0.17109
3697	487363.09	3851377.25	0.26837	0.16086	0.15391	0.10803	0.37435	0.11837	0.16236	0.16086
3698	487863.09	3851377.25	0.1865	0.15162	0.13116	0.1091	0.73677	0.12217	0.15309	0.15162
3699	488363.09	3851377.25	0.20406	0.14184	0.16402	0.09362	1.0355	0.12131	0.14326	0.14184
3700	488863.09	3851377.25	0.195	0.13235	0.19826	0.11041	0.40547	0.10152	0.13376	0.13235
3701	489363.09	3851377.25	0.16571	0.12358	0.12763	0.12559	0.61585	0.07551	0.12486	0.12358

1.99E+00	4.62E-02	3.59E-06	5.58E-03	1.65E-01	1.37E-02	1.79E-01	1.70E-01	2.23E+00
1.53E+00	4.43E-02	2.95E-06	6.30E-03	2.38E-01	1.03E-02	1.72E-01	1.63E-01	1.83E+00
1.64E+00	4.22E-02	3.82E-06	5.74E-03	2.84E-01	9.99E-03	1.63E-01	1.55E-01	1.99E+00
1.74E+00	4.00E-02	2.42E-06	4.88E-03	1.44E-01	9.51E-03	1.55E-01	1.47E-01	1.95E+00
1.83E+00	3.77E-02	2.49E-06	5.15E-03	1.82E-01	8.60E-03	1.46E-01	1.39E-01	2.07E+00
1.16E+00	3.34E-02	2.76E-06	5.39E-03	2.55E-01	8.54E-03	1.30E-01	1.23E-01	1.47E+00
1.23E+00	3.12E-02	3.30E-06	5.14E-03	1.29E-01	8.23E-03	1.21E-01	1.15E-01	1.41E+00
1.30E+00	3.07E-02	3.01E-06	5.10E-03	1.50E-01	8.02E-03	1.19E-01	1.13E-01	1.50E+00
1.12E+00	3.02E-02	2.26E-06	4.55E-03	1.28E-01	7.94E-03	1.17E-01	1.11E-01	1.30E+00
1.21E+00	2.97E-02	1.62E-06	4.34E-03	1.01E-01	7.82E-03	1.15E-01	1.09E-01	1.36E+00
1.26E+00	2.92E-02	1.63E-06	3.61E-03	8.87E-02	7.68E-03	1.13E-01	1.08E-01	1.40E+00
1.31E+00	2.88E-02	1.67E-06	3.58E-03	9.05E-02	7.59E-03	1.11E-01	1.06E-01	1.44E+00
1.35E+00	2.83E-02	2.28E-06	4.58E-03	1.54E-01	9.54E-03	1.10E-01	1.04E-01	1.55E+00
1.40E+00	2.79E-02	2.85E-06	6.11E-03	1.33E-01	1.41E-02	1.08E-01	1.03E-01	1.58E+00
1.43E+00	2.75E-02	2.95E-06	4.93E-03	2.02E-01	9.51E-03	1.06E-01	1.01E-01	1.68E+00
1.45E+00	2.82E-02	2.57E-06	5.38E-03	2.10E-01	1.05E-02	1.09E-01	1.04E-01	1.71E+00
1.44E+00	3.01E-02	1.93E-06	6.33E-03	1.57E-01	1.15E-02	1.16E-01	1.11E-01	1.65E+00
1.38E+00	2.98E-02	1.89E-06	4.85E-03	1.31E-01	1.19E-02	1.15E-01	1.10E-01	1.56E+00
1.29E+00	2.82E-02	1.97E-06	4.79E-03	1.52E-01	1.11E-02	1.09E-01	1.04E-01	1.49E+00
1.18E+00	2.56E-02	2.03E-06	4.88E-03	1.26E-01	1.00E-02	9.91E-02	9.43E-02	1.35E+00
2.12E+00	5.38E-02	4.18E-06	1.11E-02	2.14E-01	2.07E-02	2.08E-01	1.98E-01	2.43E+00
2.40E+00	6.01E-02	4.52E-06	1.26E-02	2.21E-01	2.29E-02	2.33E-01	2.21E-01	2.73E+00
2.53E+00	6.58E-02	4.85E-06	9.62E-03	2.58E-01	2.03E-02	2.55E-01	2.42E-01	2.90E+00
2.57E+00	6.84E-02	5.11E-06	9.09E-03	2.53E-01	2.13E-02	2.64E-01	2.52E-01	2.93E+00
2.45E+00	6.00E-02	5.22E-06	8.07E-03	2.32E-01	2.22E-02	2.32E-01	2.21E-01	2.79E+00
2.37E+00	7.17E-02	5.14E-06	7.83E-03	3.07E-01	2.30E-02	2.77E-01	2.64E-01	2.79E+00
2.98E+00	8.24E-02	6.48E-06	8.42E-03	3.02E-01	2.36E-02	3.19E-01	3.04E-01	3.41E+00
3.51E+00	1.01E-01	7.91E-06	8.95E-03	2.22E-01	2.96E-02	3.90E-01	3.71E-01	3.89E+00
3.90E+00	1.41E-01	1.23E-05	1.02E-02	1.74E-01	3.43E-02	4.26E-01	5.19E-01	4.17E+00
4.05E+00	1.38E-01	1.52E-05	1.38E-02	1.15E-01	3.71E-02	4.54E-01	5.10E-01	4.30E+00
4.96E+00	1.46E-01	1.65E-05	1.43E-02	2.50E-01	4.47E-02	5.67E-01	5.37E-01	5.44E+00
5.69E+00	1.86E-01	1.88E-05	1.37E-02	3.92E-01	4.23E-02	7.21E-01	6.84E-01	6.36E+00
5.86E+00	2.19E-01	2.97E-05	1.51E-02	3.57E-01	4.57E-02	6.67E-01	8.06E-01	6.36E+00
5.68E+00	1.79E-01	2.69E-05	2.15E-02	2.98E-01	5.03E-02	6.51E-01	6.58E-01	6.22E+00
5.03E+00	1.92E-01	1.18E-05	2.54E-02	4.39E-01	5.13E-02	7.45E-01	7.08E-01	5.77E+00
4.60E+00	2.26E-01	2.13E-05	3.06E-02	4.96E-01	5.49E-02	8.82E-01	8.32E-01	5.45E+00
4.67E+00	2.84E-01	1.85E-05	2.60E-02	3.98E-01	4.21E-02	1.10E+00	1.05E+00	5.47E+00
5.18E+00	3.98E-01	9.17E-06	1.79E-02	2.32E-01	6.85E-02	1.54E+00	1.46E+00	5.97E+00
7.36E+00	7.03E-01	4.48E-06	3.36E-02	2.98E-01	7.63E-02	2.76E+00	2.59E+00	8.64E+00
1.22E+01	1.35E+00	1.02E-05	1.96E-02	3.78E-01	6.20E-02	5.28E+00	4.99E+00	1.43E+01
8.11E+00	7.33E-01	2.33E-05	1.88E-02	2.52E-01	5.28E-02	2.40E+00	2.70E+00	8.86E+00
7.59E+00	3.75E-01	1.54E-05	2.44E-02	1.65E-01	4.67E-02	1.55E+00	1.38E+00	8.38E+00
1.01E+01	2.92E-01	8.79E-06	2.52E-02	6.98E-01	4.44E-02	1.04E+00	1.07E+00	1.11E+01
1.03E+01	1.92E-01	6.64E-06	1.75E-02	7.34E-01	3.24E-02	8.43E-01	7.08E-01	1.14E+01
6.89E+00	1.43E-01	3.86E-06	9.95E-03	1.55E-01	2.47E-02	5.69E-01	5.26E-01	7.27E+00
5.16E+00	1.08E-01	3.85E-06	8.21E-03	1.14E-01	2.31E-02	4.97E-01	3.99E-01	5.51E+00
5.98E+00	1.23E-01	6.22E-06	1.28E-02	6.87E-01	3.23E-02	5.31E-01	4.53E-01	6.91E+00
4.24E+00	8.38E-02	3.14E-06	7.33E-03	3.11E-01	2.37E-02	3.24E-01	3.08E-01	4.68E+00
6.52E+00	1.04E-01	5.09E-06	9.95E-03	4.61E-01	2.58E-02	4.02E-01	3.83E-01	7.14E+00
5.78E+00	8.84E-02	4.87E-06	1.01E-02	5.88E-01	1.64E-02	3.42E-01	3.25E-01	6.50E+00
6.41E+00	8.53E-02	4.21E-06	1.13E-02	3.57E-01	1.41E-02	3.30E-01	3.14E-01	6.90E+00
5.24E+00	7.70E-02	4.48E-06	9.01E-03	6.75E-01	1.71E-02	2.98E-01	2.83E-01	6.03E+00
2.75E+00	7.24E-02	3.90E-06	5.59E-03	1.73E-01	1.64E-02	2.80E-01	2.67E-01	3.03E+00
1.91E+00	6.82E-02	3.33E-06	5.65E-03	3.40E-01	1.69E-02	2.64E-01	2.51E-01	2.36E+00
2.09E+00	6.38E-02	4.16E-06	4.85E-03	4.77E-01	1.68E-02	2.47E-01	2.35E-01	2.67E+00
2.00E+00	5.96E-02	5.03E-06	5.72E-03	1.87E-01	1.40E-02	2.31E-01	2.19E-01	2.28E+00
1.70E+00	5.56E-02	3.24E-06	6.50E-03	2.84E-01	1.04E-02	2.16E-01	2.05E-01	2.07E+00

3702	489863.09	3851377.25	0.17527	0.11558	0.13116	0.11018	0.56286	0.07732	0.1167	0.11558
3703	490363.09	3851377.25	0.18388	0.10829	0.13831	0.09614	0.29937	0.07053	0.10925	0.10829
3704	490863.09	3851377.25	0.18984	0.09955	0.14276	0.12109	0.53129	0.05985	0.10035	0.09955
3705	491363.09	3851377.25	0.18869	0.09032	0.12353	0.10903	0.54139	0.0586	0.09099	0.09032
3706	491863.09	3851377.25	0.12567	0.0664	0.09062	0.11861	0.33668	0.05825	0.06723	0.0664
3707	492363.09	3851377.25	0.13221	0.05984	0.09782	0.09706	0.31997	0.05724	0.06027	0.05984
3708	492863.09	3851377.25	0.13611	0.058	0.06707	0.08637	0.3668	0.05602	0.05848	0.058
3709	493363.09	3851377.25	0.12819	0.05726	0.06212	0.08317	0.18502	0.05539	0.05772	0.05726
3710	493863.09	3851377.25	0.13238	0.05658	0.09101	0.07289	0.2049	0.05532	0.05704	0.05658
3711	494363.09	3851377.25	0.13679	0.0582	0.11827	0.0852	0.34204	0.05533	0.05865	0.0582
3712	494863.09	3851377.25	0.14065	0.05818	0.12102	0.11943	0.35324	0.07985	0.05864	0.05818
3713	495363.09	3851377.25	0.14242	0.06613	0.10229	0.10987	0.47488	0.0928	0.06643	0.06613
3714	495863.09	3851377.25	0.14895	0.06657	0.0835	0.12988	0.44162	0.07944	0.06699	0.06657
3715	496363.09	3851377.25	0.15869	0.06596	0.08567	0.15004	0.29225	0.08621	0.06636	0.06596
3716	496863.09	3851377.25	0.16804	0.065	0.08675	0.09739	0.36447	0.08643	0.0655	0.065
3717	497363.09	3851377.25	0.17684	0.06303	0.08722	0.11851	0.34684	0.07816	0.06355	0.06303
3718	497863.09	3851377.25	0.1074	0.06138	0.08743	0.10716	0.27088	0.07086	0.0619	0.06138
3719	498363.09	3851377.25	0.10591	0.05091	0.08758	0.08341	0.36561	0.06835	0.05135	0.05091
3720	471363.09	3851877.25	0.35657	0.11642	0.19205	0.22901	0.38718	0.18778	0.11754	0.11642
3721	471863.09	3851877.25	0.31849	0.11729	0.17198	0.2365	0.42583	0.18362	0.11832	0.11729
3722	472363.09	3851877.25	0.28494	0.11943	0.16409	0.31835	0.49041	0.20655	0.13977	0.11943
3723	472863.09	3851877.25	0.24937	0.12227	0.17999	0.33914	0.49972	0.21447	0.16205	0.12227
3724	473363.09	3851877.25	0.25565	0.1235	0.19311	0.28291	0.51666	0.18523	0.1375	0.1235
3725	473863.09	3851877.25	0.26242	0.13899	0.20773	0.23334	0.59564	0.16404	0.14028	0.13899
3726	474363.09	3851877.25	0.26769	0.14885	0.2197	0.20102	0.55578	0.16563	0.15012	0.14885
3727	474863.09	3851877.25	0.26126	0.17075	0.24362	0.1789	0.72287	0.17253	0.17192	0.17075
3728	475363.09	3851877.25	0.31749	0.19865	0.2989	0.16485	0.7529	0.194	0.20039	0.19865
3729	475863.09	3851877.25	0.37868	0.23858	0.35442	0.1777	0.5922	0.22308	0.21724	0.23858
3730	476363.09	3851877.25	0.42192	0.29903	0.45651	0.2078	0.45592	0.22195	0.23066	0.29903
3731	476863.09	3851877.25	0.47084	0.30209	0.56899	0.27137	0.28021	0.25559	0.30514	0.30209
3732	477363.09	3851877.25	0.56691	0.37141	0.64609	0.27575	0.64774	0.31527	0.37574	0.37141
3733	477863.09	3851877.25	0.62243	0.43973	0.92391	0.2813	1.01778	0.27761	0.33383	0.43973
3734	478363.09	3851877.25	0.63862	0.45961	1.16365	0.35543	1.04939	0.34702	0.31038	0.45961
3735	478863.09	3851877.25	0.59519	0.37564	0.74512	0.50142	0.89318	0.38863	0.38154	0.37564
3736	479363.09	3851877.25	0.48344	0.44474	0.8284	0.57628	1.17264	0.42978	0.45252	0.44474
3737	479863.09	3851877.25	0.46134	0.50928	0.92345	0.70805	1.12817	0.44167	0.517	0.50928
3738	480363.09	3851877.25	0.56347	0.60972	0.41398	0.35985	0.72293	0.61947	0.61734	0.60972
3739	480863.09	3851877.25	0.78177	0.84695	0.19687	0.72988	0.6288	0.56593	0.85931	0.84695
3740	481363.09	3851877.25	0.96955	1.60336	0.94317	0.44138	0.91236	0.50281	1.62293	1.60336
3741	481863.09	3851877.25	0.91129	1.64129	0.67575	0.39826	0.66602	0.39903	1.65853	1.64129
3742	482363.09	3851877.25	1.00758	0.83783	0.61108	0.58682	0.37457	0.35834	0.84156	0.83783
3743	482863.09	3851877.25	1.08033	0.50671	0.31389	0.35052	1.50631	0.21779	0.51081	0.50671
3744	483363.09	3851877.25	0.91818	0.50575	0.23363	0.3298	1.5945	0.20621	0.50911	0.50575
3745	483863.09	3851877.25	0.75164	0.41539	0.22729	0.3022	0.27762	0.21619	0.41981	0.41539
3746	484363.09	3851877.25	0.69204	0.34411	0.29813	0.34559	1.35649	0.26943	0.39195	0.34411
3747	484863.09	3851877.25	0.60529	0.31002	0.1921	0.23424	1.3941	0.26067	0.31986	0.31002
3748	485363.09	3851877.25	0.68735	0.30386	0.19902	0.21902	0.81571	0.23735	0.31029	0.30386
3749	485863.09	3851877.25	0.70481	0.27648	0.22826	0.23926	1.37612	0.18118	0.27922	0.27648
3750	486363.09	3851877.25	0.67564	0.21428	0.16984	0.2294	0.88145	0.11987	0.2162	0.21428
3751	486863.09	3851877.25	0.58823	0.17631	0.16407	0.19941	1.73106	0.12816	0.17741	0.17631
3752	487363.09	3851877.25	0.39282	0.17551	0.18011	0.1471	0.52705	0.11969	0.17666	0.17551
3753	487863.09	3851877.25	0.18787	0.17293	0.18524	0.10811	0.78948	0.12525	0.17431	0.17293
3754	488363.09	3851877.25	0.20665	0.16984	0.20345	0.09392	1.01283	0.11656	0.17126	0.16984
3755	488863.09	3851877.25	0.19371	0.16443	0.14343	0.11285	0.44016	0.10405	0.16574	0.16443
3756	489363.09	3851877.25	0.17959	0.15432	0.15378	0.12955	0.68468	0.07501	0.15545	0.15432
3757	489863.09	3851877.25	0.18814	0.13305	0.1504	0.10863	0.46143	0.07303	0.13402	0.13305
3758	490363.09	3851877.25	0.19337	0.11932	0.1221	0.0975	0.44678	0.06474	0.12046	0.11932

1.80E+00	5.20E-02	3.33E-06	5.70E-03	2.59E-01	1.07E-02	2.01E-01	1.92E-01	2.14E+00
1.89E+00	4.87E-02	3.51E-06	4.98E-03	1.38E-01	9.75E-03	1.89E-01	1.79E-01	2.10E+00
1.95E+00	4.48E-02	3.62E-06	6.27E-03	2.45E-01	8.27E-03	1.73E-01	1.65E-01	2.26E+00
1.93E+00	4.06E-02	3.13E-06	5.64E-03	2.49E-01	8.10E-03	1.57E-01	1.50E-01	2.25E+00
1.29E+00	2.99E-02	2.30E-06	6.14E-03	1.55E-01	8.05E-03	1.16E-01	1.10E-01	1.49E+00
1.36E+00	2.69E-02	2.48E-06	5.02E-03	1.47E-01	7.91E-03	1.04E-01	9.92E-02	1.55E+00
1.40E+00	2.61E-02	1.70E-06	4.47E-03	1.69E-01	7.74E-03	1.01E-01	9.61E-02	1.61E+00
1.31E+00	2.58E-02	1.58E-06	4.31E-03	8.53E-02	7.66E-03	9.97E-02	9.49E-02	1.44E+00
1.36E+00	2.55E-02	2.31E-06	3.77E-03	9.44E-02	7.65E-03	9.85E-02	9.37E-02	1.49E+00
1.40E+00	2.62E-02	3.00E-06	4.41E-03	1.58E-01	7.65E-03	1.01E-01	9.64E-02	1.60E+00
1.44E+00	2.62E-02	3.07E-06	6.18E-03	1.63E-01	1.10E-02	1.01E-01	9.64E-02	1.65E+00
1.46E+00	2.98E-02	2.59E-06	5.69E-03	2.19E-01	1.28E-02	1.15E-01	1.10E-01	1.73E+00
1.53E+00	3.00E-02	2.12E-06	6.72E-03	2.04E-01	1.10E-02	1.16E-01	1.10E-01	1.78E+00
1.63E+00	2.97E-02	2.17E-06	7.77E-03	1.35E-01	1.19E-02	1.15E-01	1.09E-01	1.82E+00
1.72E+00	2.93E-02	2.20E-06	5.04E-03	1.68E-01	1.19E-02	1.13E-01	1.08E-01	1.94E+00
1.81E+00	2.84E-02	2.21E-06	6.13E-03	1.60E-01	1.08E-02	1.10E-01	1.04E-01	2.02E+00
1.10E+00	2.76E-02	2.22E-06	5.55E-03	1.25E-01	9.80E-03	1.07E-01	1.02E-01	1.27E+00
1.09E+00	2.29E-02	2.22E-06	4.32E-03	1.68E-01	9.45E-03	8.87E-02	8.44E-02	1.30E+00
3.66E+00	5.24E-02	4.87E-06	1.19E-02	1.78E-01	2.60E-02	2.03E-01	1.93E-01	3.93E+00
3.27E+00	5.28E-02	4.36E-06	1.22E-02	1.96E-01	2.54E-02	2.04E-01	1.94E-01	3.56E+00
2.92E+00	5.37E-02	4.16E-06	1.65E-02	2.26E-01	2.86E-02	2.41E-01	1.98E-01	3.29E+00
2.56E+00	5.50E-02	4.57E-06	1.76E-02	2.30E-01	2.97E-02	2.80E-01	2.03E-01	2.97E+00
2.62E+00	5.56E-02	4.90E-06	1.46E-02	2.38E-01	2.56E-02	2.37E-01	2.05E-01	2.99E+00
2.69E+00	6.26E-02	5.27E-06	1.21E-02	2.74E-01	2.27E-02	2.42E-01	2.30E-01	3.07E+00
2.74E+00	6.70E-02	5.57E-06	1.04E-02	2.56E-01	2.29E-02	2.59E-01	2.47E-01	3.11E+00
2.68E+00	7.68E-02	6.18E-06	9.26E-03	3.33E-01	2.39E-02	2.97E-01	2.83E-01	3.14E+00
3.26E+00	8.94E-02	7.58E-06	8.53E-03	3.47E-01	2.68E-02	3.46E-01	3.29E-01	3.74E+00
3.88E+00	1.07E-01	8.99E-06	9.20E-03	2.73E-01	3.08E-02	3.75E-01	3.95E-01	4.28E+00
4.33E+00	1.35E-01	1.16E-05	1.08E-02	2.10E-01	3.07E-02	3.98E-01	4.95E-01	4.62E+00
4.83E+00	1.36E-01	1.44E-05	1.40E-02	1.29E-01	3.53E-02	5.27E-01	5.01E-01	5.17E+00
5.81E+00	1.67E-01	1.64E-05	1.43E-02	2.99E-01	4.36E-02	6.49E-01	6.15E-01	6.37E+00
6.38E+00	1.98E-01	2.34E-05	1.46E-02	4.69E-01	3.84E-02	5.76E-01	7.29E-01	6.95E+00
6.55E+00	2.07E-01	2.95E-05	1.84E-02	4.84E-01	4.80E-02	5.36E-01	7.62E-01	7.08E+00
6.10E+00	1.69E-01	1.89E-05	2.60E-02	4.12E-01	5.37E-02	6.59E-01	6.22E-01	6.80E+00
4.96E+00	2.00E-01	2.10E-05	2.98E-02	5.40E-01	5.94E-02	7.81E-01	7.37E-01	5.83E+00
4.73E+00	2.29E-01	2.34E-05	3.67E-02	5.20E-01	6.11E-02	8.93E-01	8.44E-01	5.63E+00
5.78E+00	2.74E-01	1.05E-05	1.86E-02	3.33E-01	8.56E-02	1.07E+00	1.01E+00	6.55E+00
8.02E+00	3.81E-01	4.99E-06	3.78E-02	2.90E-01	7.82E-02	1.48E+00	1.40E+00	8.88E+00
9.94E+00	7.22E-01	2.39E-05	2.28E-02	4.20E-01	6.95E-02	2.80E+00	2.66E+00	1.13E+01
9.34E+00	7.39E-01	1.71E-05	2.06E-02	3.07E-01	5.52E-02	2.86E+00	2.72E+00	1.06E+01
1.03E+01	3.77E-01	1.55E-05	3.04E-02	1.73E-01	4.95E-02	1.45E+00	1.39E+00	1.10E+01
1.11E+01	2.28E-01	7.96E-06	1.81E-02	6.94E-01	3.01E-02	8.82E-01	8.40E-01	1.21E+01
9.42E+00	2.28E-01	5.93E-06	1.71E-02	7.35E-01	2.85E-02	8.79E-01	8.38E-01	1.05E+01
7.71E+00	1.87E-01	5.77E-06	1.56E-02	1.28E-01	2.99E-02	7.25E-01	6.88E-01	8.10E+00
7.10E+00	1.55E-01	7.56E-06	1.79E-02	6.25E-01	3.72E-02	6.77E-01	5.70E-01	8.04E+00
6.21E+00	1.40E-01	4.87E-06	1.21E-02	6.42E-01	3.60E-02	5.52E-01	5.14E-01	7.08E+00
7.05E+00	1.37E-01	5.05E-06	1.13E-02	3.76E-01	3.28E-02	5.36E-01	5.03E-01	7.64E+00
7.23E+00	1.24E-01	5.79E-06	1.24E-02	6.34E-01	2.50E-02	4.82E-01	4.58E-01	8.05E+00
6.93E+00	9.64E-02	4.31E-06	1.19E-02	4.06E-01	1.66E-02	3.73E-01	3.55E-01	7.48E+00
6.03E+00	7.93E-02	4.16E-06	1.03E-02	7.98E-01	1.77E-02	3.06E-01	2.92E-01	6.95E+00
4.03E+00	7.90E-02	4.57E-06	7.61E-03	2.43E-01	1.65E-02	3.05E-01	2.91E-01	4.39E+00
1.93E+00	7.78E-02	4.70E-06	5.60E-03	3.64E-01	1.73E-02	3.01E-01	2.87E-01	2.41E+00
2.12E+00	7.64E-02	5.16E-06	4.86E-03	4.67E-01	1.61E-02	2.96E-01	2.81E-01	2.70E+00
1.99E+00	7.40E-02	3.64E-06	5.84E-03	2.03E-01	1.44E-02	2.86E-01	2.72E-01	2.30E+00
1.84E+00	6.95E-02	3.90E-06	6.71E-03	3.16E-01	1.04E-02	2.68E-01	2.56E-01	2.26E+00
1.93E+00	5.99E-02	3.82E-06	5.62E-03	2.13E-01	1.01E-02	2.31E-01	2.20E-01	2.23E+00
1.98E+00	5.37E-02	3.10E-06	5.05E-03	2.06E-01	8.95E-03	2.08E-01	1.98E-01	2.27E+00

3759	490863.09	3851877.25	0.19024	0.11238	0.13243	0.12714	0.60077	0.06179	0.11321	0.11238
3760	491363.09	3851877.25	0.17741	0.10704	0.13237	0.10843	0.68028	0.06049	0.10784	0.10704
3761	491863.09	3851877.25	0.16123	0.0982	0.09937	0.13701	0.68313	0.06046	0.0989	0.0982
3762	492363.09	3851877.25	0.13648	0.09102	0.08987	0.10087	0.48398	0.05826	0.09174	0.09102
3763	492863.09	3851877.25	0.13736	0.05906	0.09552	0.08653	0.36773	0.05603	0.05952	0.05906
3764	493363.09	3851877.25	0.13749	0.06715	0.12653	0.10488	0.42874	0.05603	0.06762	0.06715
3765	493863.09	3851877.25	0.18558	0.09157	0.12854	0.11759	0.34985	0.07453	0.09231	0.09157
3766	494363.09	3851877.25	0.16083	0.08479	0.10108	0.12472	0.41817	0.0682	0.08542	0.08479
3767	494863.09	3851877.25	0.1708	0.08536	0.09423	0.14985	0.49716	0.10503	0.08608	0.08536
3768	495363.09	3851877.25	0.1801	0.0825	0.10448	0.14191	0.41085	0.09662	0.08319	0.0825
3769	495863.09	3851877.25	0.18876	0.07886	0.10016	0.17033	0.38493	0.08916	0.07954	0.07886
3770	496363.09	3851877.25	0.19646	0.07427	0.09139	0.10767	0.41327	0.08577	0.0749	0.07427
3771	496863.09	3851877.25	0.20338	0.06967	0.09098	0.1337	0.32268	0.07575	0.07025	0.06967
3772	497363.09	3851877.25	0.20949	0.06496	0.09089	0.13187	0.41611	0.07005	0.06546	0.06496
3773	497863.09	3851877.25	0.11844	0.06042	0.09087	0.08729	0.46463	0.06886	0.06088	0.06042
3774	498363.09	3851877.25	0.11903	0.05615	0.09048	0.12657	0.63795	0.06847	0.05658	0.05615
3775	471363.09	3852377.25	0.4786	0.1058	0.22365	0.21264	0.73919	0.1871	0.09718	0.1058
3776	471863.09	3852377.25	0.45478	0.1129	0.22663	0.22649	0.67578	0.18151	0.11406	0.1129
3777	472363.09	3852377.25	0.42723	0.11519	0.22475	0.23205	0.57084	0.1799	0.1164	0.11519
3778	472863.09	3852377.25	0.39702	0.11674	0.21803	0.2652	0.44236	0.20283	0.11795	0.11674
3779	473363.09	3852377.25	0.36304	0.11725	0.25821	0.31421	0.51467	0.22016	0.12943	0.11725
3780	473863.09	3852377.25	0.32577	0.12455	0.24122	0.33921	0.54033	0.22702	0.14673	0.12455
3781	474363.09	3852377.25	0.28703	0.122	0.21357	0.3574	0.53678	0.22938	0.16323	0.122
3782	474863.09	3852377.25	0.28939	0.14494	0.21158	0.3804	0.68143	0.24041	0.19972	0.14494
3783	475363.09	3852377.25	0.29373	0.15746	0.22824	0.35804	0.70687	0.24008	0.2003	0.15746
3784	475863.09	3852377.25	0.28848	0.17317	0.24152	0.31144	0.72215	0.22079	0.18655	0.17317
3785	476363.09	3852377.25	0.36118	0.14981	0.24803	0.24166	0.85638	0.18507	0.15235	0.14981
3786	476863.09	3852377.25	0.43638	0.22793	0.32121	0.17868	0.72358	0.18779	0.18485	0.22793
3787	477363.09	3852377.25	0.47747	0.26448	0.39112	0.21356	0.53686	0.19796	0.22966	0.26448
3788	477863.09	3852377.25	0.56536	0.29719	0.3316	0.21559	0.27805	0.18521	0.30023	0.29719
3789	478363.09	3852377.25	0.62812	0.17454	0.3503	0.2368	0.56627	0.17598	0.26167	0.17454
3790	478863.09	3852377.25	0.71161	0.29916	0.51581	0.31413	1.19594	0.20584	0.23519	0.29916
3791	479363.09	3852377.25	0.70636	0.28172	0.6854	0.38915	1.09311	0.30216	0.28734	0.28172
3792	479863.09	3852377.25	0.62895	0.32539	0.62295	0.55548	1.30312	0.41609	0.35753	0.32539
3793	480363.09	3852377.25	0.48013	0.47304	1.17945	0.75258	1.35994	0.53257	0.52791	0.47304
3794	480863.09	3852377.25	0.63019	0.53896	0.48683	0.72128	1.05999	0.74511	0.54477	0.53896
3795	481363.09	3852377.25	0.87167	0.78023	0.24888	0.80616	0.62947	0.58003	0.7883	0.78023
3796	481863.09	3852377.25	1.05692	1.94481	1.21569	0.57212	1.00077	0.56959	1.97506	1.94481
3797	482363.09	3852377.25	0.79832	1.48735	0.87647	0.46428	0.82521	0.76025	1.50057	1.48735
3798	482863.09	3852377.25	1.22	0.80184	2.27281	0.59665	0.59976	0.52873	0.81244	0.80184
3799	483363.09	3852377.25	1.1044	0.76702	0.35484	0.46576	2.09608	0.33552	0.77249	0.76702
3800	483863.09	3852377.25	0.85877	0.51498	0.35045	0.36768	1.49625	0.22094	0.5164	0.51498
3801	484363.09	3852377.25	0.79384	0.49276	0.34801	0.41956	0.36914	0.26407	0.49775	0.49276
3802	484863.09	3852377.25	0.70408	0.44056	0.33524	0.37026	2.59258	0.28102	0.44419	0.44056
3803	485363.09	3852377.25	0.75713	0.36083	0.24037	0.32999	2.10026	0.31849	0.36452	0.36083
3804	485863.09	3852377.25	0.77663	0.30185	0.30635	0.28953	1.3004	0.21975	0.30358	0.30185
3805	486363.09	3852377.25	0.72729	0.26066	0.2451	0.24452	1.2101	0.13933	0.26198	0.26066
3806	486863.09	3852377.25	0.64289	0.23052	0.22946	0.22327	1.58575	0.13288	0.23194	0.23052
3807	487363.09	3852377.25	0.41638	0.19504	0.30732	0.16356	0.45014	0.12003	0.19622	0.19504
3808	487863.09	3852377.25	0.19034	0.16255	0.17375	0.11134	0.84213	0.12902	0.16442	0.16255
3809	488363.09	3852377.25	0.20904	0.15692	0.19782	0.09482	0.9748	0.11501	0.15835	0.15692
3810	488863.09	3852377.25	0.19212	0.12755	0.15595	0.11537	0.50951	0.10683	0.1286	0.12755
3811	489363.09	3852377.25	0.19221	0.10199	0.12989	0.13391	0.7016	0.07469	0.10265	0.10199
3812	489863.09	3852377.25	0.13096	0.08572	0.12796	0.10634	0.34084	0.06835	0.08626	0.08572
3813	490363.09	3852377.25	0.13096	0.09688	0.12263	0.09818	0.5947	0.06306	0.09745	0.09688
3814	490863.09	3852377.25	0.17469	0.10089	0.10989	0.13061	0.65958	0.06209	0.10149	0.10089
3815	491363.09	3852377.25	0.20865	0.14285	0.11618	0.12632	0.74566	0.07469	0.14381	0.14285

1.95E+00	5.06E-02	3.36E-06	6.58E-03	2.77E-01	8.54E-03	1.95E-01	1.86E-01	2.30E+00
1.82E+00	4.82E-02	3.36E-06	5.61E-03	3.14E-01	8.36E-03	1.86E-01	1.77E-01	2.20E+00
1.65E+00	4.42E-02	2.52E-06	7.09E-03	3.15E-01	8.36E-03	1.71E-01	1.63E-01	2.04E+00
1.40E+00	4.10E-02	2.28E-06	5.22E-03	2.23E-01	8.05E-03	1.58E-01	1.51E-01	1.68E+00
1.41E+00	2.66E-02	2.42E-06	4.48E-03	1.69E-01	7.75E-03	1.03E-01	9.79E-02	1.62E+00
1.41E+00	3.02E-02	3.21E-06	5.43E-03	1.98E-01	7.75E-03	1.17E-01	1.11E-01	1.66E+00
1.90E+00	4.12E-02	3.26E-06	6.09E-03	1.61E-01	1.03E-02	1.59E-01	1.52E-01	2.13E+00
1.65E+00	3.82E-02	2.56E-06	6.46E-03	1.93E-01	9.43E-03	1.47E-01	1.40E-01	1.90E+00
1.75E+00	3.84E-02	2.39E-06	7.76E-03	2.29E-01	1.45E-02	1.49E-01	1.41E-01	2.05E+00
1.85E+00	3.71E-02	2.65E-06	7.35E-03	1.89E-01	1.34E-02	1.44E-01	1.37E-01	2.10E+00
1.94E+00	3.55E-02	2.54E-06	8.82E-03	1.77E-01	1.23E-02	1.37E-01	1.31E-01	2.18E+00
2.01E+00	3.34E-02	2.32E-06	5.57E-03	1.90E-01	1.19E-02	1.29E-01	1.23E-01	2.26E+00
2.09E+00	3.14E-02	2.31E-06	6.92E-03	1.49E-01	1.05E-02	1.21E-01	1.15E-01	2.29E+00
2.15E+00	2.92E-02	2.31E-06	6.83E-03	1.92E-01	9.68E-03	1.13E-01	1.08E-01	2.39E+00
1.21E+00	2.72E-02	2.31E-06	4.52E-03	2.14E-01	9.52E-03	1.05E-01	1.00E-01	1.47E+00
1.22E+00	2.53E-02	2.30E-06	6.55E-03	2.94E-01	9.47E-03	9.77E-02	9.30E-02	1.56E+00
4.91E+00	4.76E-02	5.67E-06	1.10E-02	3.41E-01	2.59E-02	1.68E-01	1.75E-01	5.33E+00
4.66E+00	5.08E-02	5.75E-06	1.17E-02	3.11E-01	2.51E-02	1.97E-01	1.87E-01	5.07E+00
4.38E+00	5.18E-02	5.70E-06	1.20E-02	2.63E-01	2.49E-02	2.01E-01	1.91E-01	4.74E+00
4.07E+00	5.25E-02	5.53E-06	1.37E-02	2.04E-01	2.80E-02	2.04E-01	1.93E-01	4.38E+00
3.72E+00	5.28E-02	6.55E-06	1.63E-02	2.37E-01	3.04E-02	2.23E-01	1.94E-01	4.09E+00
3.34E+00	5.61E-02	6.12E-06	1.76E-02	2.49E-01	3.14E-02	2.53E-01	2.06E-01	3.74E+00
2.94E+00	5.49E-02	5.42E-06	1.85E-02	2.47E-01	3.17E-02	2.82E-01	2.02E-01	3.38E+00
2.97E+00	6.52E-02	5.37E-06	1.97E-02	3.14E-01	3.32E-02	3.45E-01	2.40E-01	3.50E+00
3.01E+00	7.09E-02	5.79E-06	1.85E-02	3.26E-01	3.32E-02	3.46E-01	2.61E-01	3.55E+00
2.96E+00	7.79E-02	6.13E-06	1.61E-02	3.33E-01	3.05E-02	3.22E-01	2.87E-01	3.45E+00
3.70E+00	6.74E-02	6.29E-06	1.25E-02	3.95E-01	2.56E-02	2.63E-01	2.48E-01	4.22E+00
4.47E+00	1.03E-01	8.15E-06	9.25E-03	3.33E-01	2.60E-02	3.19E-01	3.78E-01	4.89E+00
4.90E+00	1.19E-01	9.92E-06	1.11E-02	2.47E-01	2.74E-02	3.97E-01	4.38E-01	5.26E+00
5.80E+00	1.34E-01	8.41E-06	1.12E-02	1.28E-01	2.56E-02	5.18E-01	4.92E-01	6.12E+00
6.44E+00	7.86E-02	8.89E-06	1.23E-02	2.61E-01	2.43E-02	4.52E-01	2.89E-01	6.98E+00
7.30E+00	1.35E-01	1.31E-05	1.63E-02	5.51E-01	2.85E-02	4.06E-01	4.96E-01	7.94E+00
7.24E+00	1.27E-01	1.74E-05	2.01E-02	5.04E-01	4.18E-02	4.96E-01	4.67E-01	7.96E+00
6.45E+00	1.46E-01	1.58E-05	2.88E-02	6.01E-01	5.75E-02	6.17E-01	5.39E-01	7.36E+00
4.92E+00	2.13E-01	2.99E-05	3.90E-02	6.27E-01	7.36E-02	9.11E-01	7.84E-01	6.00E+00
6.46E+00	2.43E-01	1.23E-05	3.73E-02	4.88E-01	1.03E-01	9.41E-01	8.93E-01	7.38E+00
8.94E+00	3.51E-01	6.31E-06	4.17E-02	2.90E-01	8.02E-02	1.36E+00	1.29E+00	9.77E+00
1.08E+01	8.75E-01	3.08E-05	2.96E-02	4.61E-01	7.87E-02	3.41E+00	3.22E+00	1.25E+01
8.19E+00	6.69E-01	2.22E-05	2.40E-02	3.80E-01	1.05E-01	2.59E+00	2.46E+00	9.49E+00
1.25E+01	3.61E-01	5.77E-05	3.09E-02	2.76E-01	7.31E-02	1.40E+00	1.33E+00	1.33E+01
1.13E+01	3.45E-01	9.00E-06	2.41E-02	9.66E-01	4.64E-02	1.33E+00	1.27E+00	1.28E+01
8.81E+00	2.32E-01	8.89E-06	1.90E-02	6.90E-01	3.05E-02	8.92E-01	8.53E-01	9.82E+00
8.14E+00	2.22E-01	8.83E-06	2.17E-02	1.70E-01	3.65E-02	8.59E-01	8.16E-01	8.63E+00
7.22E+00	1.98E-01	8.50E-06	1.92E-02	1.19E+00	3.89E-02	7.67E-01	7.30E-01	8.71E+00
7.76E+00	1.62E-01	6.10E-06	1.71E-02	9.68E-01	4.40E-02	6.29E-01	5.98E-01	8.99E+00
7.96E+00	1.36E-01	7.77E-06	1.50E-02	5.99E-01	3.04E-02	5.24E-01	5.00E-01	8.77E+00
7.46E+00	1.17E-01	6.22E-06	1.27E-02	5.58E-01	1.93E-02	4.52E-01	4.32E-01	8.18E+00
6.59E+00	1.04E-01	5.82E-06	1.16E-02	7.31E-01	1.84E-02	4.00E-01	3.82E-01	7.48E+00
4.27E+00	8.78E-02	7.80E-06	8.47E-03	2.07E-01	1.66E-02	3.39E-01	3.23E-01	4.61E+00
1.95E+00	7.32E-02	4.41E-06	5.76E-03	3.88E-01	1.78E-02	2.84E-01	2.69E-01	2.45E+00
2.14E+00	7.06E-02	5.02E-06	4.91E-03	4.49E-01	1.59E-02	2.73E-01	2.60E-01	2.70E+00
1.97E+00	5.74E-02	3.96E-06	5.97E-03	2.35E-01	1.48E-02	2.22E-01	2.11E-01	2.29E+00
1.97E+00	4.59E-02	3.30E-06	6.93E-03	3.23E-01	1.03E-02	1.77E-01	1.69E-01	2.37E+00
1.34E+00	3.86E-02	3.25E-06	5.50E-03	1.57E-01	9.45E-03	1.49E-01	1.42E-01	1.56E+00
1.34E+00	4.36E-02	3.11E-06	5.08E-03	2.74E-01	8.72E-03	1.68E-01	1.61E-01	1.68E+00
1.79E+00	4.54E-02	2.79E-06	6.76E-03	3.04E-01	8.58E-03	1.75E-01	1.67E-01	2.16E+00
2.14E+00	6.43E-02	2.95E-06	6.54E-03	3.44E-01	1.03E-02	2.48E-01	2.37E-01	2.58E+00

3816	491863.09	3852377.25	0.21089	0.13863	0.12779	0.13715	0.56547	0.07567	0.1394	0.13863
3817	492363.09	3852377.25	0.20351	0.13273	0.13809	0.11689	0.40803	0.07643	0.13358	0.13273
3818	492863.09	3852377.25	0.20234	0.13042	0.13374	0.13012	0.45034	0.07825	0.13124	0.13042
3819	493363.09	3852377.25	0.20351	0.12696	0.13809	0.13391	0.35705	0.07912	0.12807	0.12696
3820	493863.09	3852377.25	0.19364	0.12057	0.13375	0.14783	0.47728	0.10368	0.12161	0.12057
3821	494363.09	3852377.25	0.20122	0.11376	0.13206	0.16841	0.50111	0.08919	0.1147	0.11376
3822	494863.09	3852377.25	0.20859	0.10911	0.12803	0.17358	0.36533	0.10437	0.11008	0.10911
3823	495363.09	3852377.25	0.21527	0.10408	0.14381	0.20571	0.4795	0.10752	0.1051	0.10408
3824	495863.09	3852377.25	0.22047	0.09889	0.1123	0.13543	0.41935	0.09791	0.09979	0.09889
3825	496363.09	3852377.25	0.22488	0.09354	0.10259	0.1404	0.48402	0.07365	0.0943	0.09354
3826	496863.09	3852377.25	0.22864	0.08692	0.09631	0.14509	0.52273	0.07006	0.08763	0.08692
3827	497363.09	3852377.25	0.2311	0.07851	0.09338	0.10367	0.68448	0.06969	0.0791	0.07851
3828	497863.09	3852377.25	0.12595	0.05989	0.09121	0.14483	0.84247	0.07914	0.06031	0.05989
3829	498363.09	3852377.25	0.12609	0.05428	0.0877	0.1479	0.84014	0.09383	0.05471	0.05428
3830	471363.09	3852877.25	0.5749	0.10174	0.20748	0.19831	0.9051	0.18948	0.09748	0.10174
3831	471863.09	3852877.25	0.55982	0.11119	0.22085	0.21541	0.85159	0.18807	0.10746	0.11119
3832	472363.09	3852877.25	0.54179	0.11423	0.22624	0.22734	0.79572	0.19719	0.11141	0.11423
3833	472863.09	3852877.25	0.51992	0.11179	0.22943	0.23184	0.80698	0.19472	0.11241	0.11179
3834	473363.09	3852877.25	0.4955	0.11107	0.26262	0.25091	0.75775	0.2003	0.11267	0.11107
3835	473863.09	3852877.25	0.46985	0.11534	0.33762	0.33465	0.65313	0.23124	0.11869	0.11534
3836	474363.09	3852877.25	0.44374	0.13899	0.34017	0.3452	0.51196	0.23604	0.14045	0.13899
3837	474863.09	3852877.25	0.40351	0.12383	0.33178	0.34949	0.59201	0.23393	0.13261	0.12383
3838	475363.09	3852877.25	0.37349	0.13228	0.31558	0.36591	0.63808	0.24859	0.16059	0.13228
3839	475863.09	3852877.25	0.33606	0.15237	0.28387	0.38282	0.6206	0.25185	0.17667	0.15237
3840	476363.09	3852877.25	0.31421	0.16555	0.23589	0.3936	0.74644	0.248	0.18715	0.16555
3841	476863.09	3852877.25	0.29366	0.21179	0.24928	0.34832	0.60434	0.21984	0.21442	0.21179
3842	477363.09	3852877.25	0.34405	0.22554	0.26627	0.26536	0.70255	0.19076	0.22856	0.22554
3843	477863.09	3852877.25	0.36261	0.14852	0.26525	0.21266	0.56781	0.1948	0.15009	0.14852
3844	478363.09	3852877.25	0.25305	0.12905	0.23346	0.19363	0.36504	0.19429	0.12855	0.12905
3845	478863.09	3852877.25	0.34224	0.13539	0.24813	0.21253	0.28369	0.19219	0.13954	0.13539
3846	479363.09	3852877.25	0.61175	0.2048	0.32844	0.23207	0.56531	0.18783	0.20657	0.2048
3847	479863.09	3852877.25	0.78897	0.35563	0.80256	0.36127	1.42864	0.26406	0.26926	0.35563
3848	480363.09	3852877.25	0.71923	0.3723	0.97296	0.55822	1.01072	0.45388	0.37789	0.3723
3849	480863.09	3852877.25	0.61637	0.58352	1.52639	0.7149	1.48743	0.5229	0.46797	0.58352
3850	481363.09	3852877.25	0.71352	0.50522	0.58839	1.08921	1.44417	0.89264	0.713	0.50522
3851	481863.09	3852877.25	0.99413	0.80327	0.77798	0.8413	0.83995	0.64744	0.86611	0.80327
3852	482363.09	3852877.25	1.23416	2.50512	0.76518	0.74836	1.06897	0.64874	2.54005	2.50512
3853	482863.09	3852877.25	1.2749	1.26556	2.63541	0.53463	1.02302	0.78801	1.27692	1.26556
3854	483363.09	3852877.25	1.21072	1.02136	0.33519	0.66112	0.78437	0.50377	1.03428	1.02136
3855	483863.09	3852877.25	1.0375	0.34621	0.39711	0.49037	2.42593	0.30799	0.35198	0.34621
3856	484363.09	3852877.25	0.91905	0.68075	0.4559	0.48032	1.62902	0.32224	0.68908	0.68075
3857	484863.09	3852877.25	0.79261	0.53382	0.31145	0.481	1.69368	0.31856	0.54044	0.53382
3858	485363.09	3852877.25	0.76637	0.38812	0.31433	0.25259	1.91727	0.27615	0.39603	0.38812
3859	485863.09	3852877.25	0.77236	0.33097	0.27796	0.22345	1.02851	0.21808	0.33615	0.33097
3860	486363.09	3852877.25	0.66937	0.29259	0.32885	0.21423	1.49076	0.13766	0.29599	0.29259
3861	486863.09	3852877.25	0.60507	0.2441	0.25044	0.22841	0.83371	0.13562	0.24697	0.2441
3862	487363.09	3852877.25	0.368	0.18071	0.26819	0.15934	0.40845	0.1213	0.1828	0.18071
3863	487863.09	3852877.25	0.19373	0.14531	0.204	0.10275	0.89152	0.12291	0.14636	0.14531
3864	488363.09	3852877.25	0.21016	0.13811	0.17178	0.08075	0.47022	0.11347	0.13914	0.13811
3865	488863.09	3852877.25	0.19612	0.12933	0.14067	0.11797	0.64134	0.11026	0.13032	0.12933
3866	489363.09	3852877.25	0.19746	0.11853	0.11125	0.14014	0.6511	0.07734	0.1195	0.11853
3867	489863.09	3852877.25	0.15524	0.10763	0.13175	0.10386	0.50977	0.06935	0.10857	0.10763
3868	490363.09	3852877.25	0.21285	0.129	0.14348	0.10122	0.64751	0.08981	0.13019	0.129
3869	490863.09	3852877.25	0.23427	0.14217	0.15706	0.1536	0.79526	0.09041	0.14295	0.14217
3870	491363.09	3852877.25	0.24137	0.15156	0.21145	0.17029	0.65817	0.1066	0.15307	0.15156
3871	491863.09	3852877.25	0.22784	0.1509	0.21546	0.15302	0.43002	0.09994	0.1522	0.1509
3872	492363.09	3852877.25	0.28922	0.15083	0.17679	0.13162	0.47317	0.09111	0.15212	0.15083

2.16E+00	6.24E-02	3.24E-06	7.10E-03	2.61E-01	1.05E-02	2.41E-01	2.30E-01	2.51E+00
2.09E+00	5.97E-02	3.50E-06	6.05E-03	1.88E-01	1.06E-02	2.31E-01	2.20E-01	2.36E+00
2.07E+00	5.87E-02	3.39E-06	6.74E-03	2.08E-01	1.08E-02	2.27E-01	2.16E-01	2.37E+00
2.09E+00	5.71E-02	3.50E-06	6.93E-03	1.65E-01	1.09E-02	2.21E-01	2.10E-01	2.34E+00
1.99E+00	5.43E-02	3.39E-06	7.65E-03	2.20E-01	1.43E-02	2.10E-01	2.00E-01	2.29E+00
2.06E+00	5.12E-02	3.35E-06	8.72E-03	2.31E-01	1.23E-02	1.98E-01	1.88E-01	2.38E+00
2.14E+00	4.91E-02	3.25E-06	8.99E-03	1.68E-01	1.44E-02	1.90E-01	1.81E-01	2.39E+00
2.21E+00	4.68E-02	3.65E-06	1.06E-02	2.21E-01	1.49E-02	1.81E-01	1.72E-01	2.51E+00
2.26E+00	4.45E-02	2.85E-06	7.01E-03	1.93E-01	1.35E-02	1.72E-01	1.64E-01	2.53E+00
2.31E+00	4.21E-02	2.60E-06	7.27E-03	2.23E-01	1.02E-02	1.63E-01	1.55E-01	2.60E+00
2.34E+00	3.91E-02	2.44E-06	7.51E-03	2.41E-01	9.69E-03	1.51E-01	1.44E-01	2.65E+00
2.37E+00	3.53E-02	2.37E-06	5.37E-03	3.15E-01	9.63E-03	1.37E-01	1.30E-01	2.74E+00
1.29E+00	2.70E-02	2.31E-06	7.50E-03	3.88E-01	1.09E-02	1.04E-01	9.92E-02	1.73E+00
1.29E+00	2.44E-02	2.22E-06	7.66E-03	3.87E-01	1.30E-02	9.45E-02	8.99E-02	1.73E+00
5.90E+00	4.58E-02	5.26E-06	1.03E-02	4.17E-01	2.62E-02	1.68E-01	1.69E-01	6.39E+00
5.74E+00	5.00E-02	5.60E-06	1.12E-02	3.92E-01	2.60E-02	1.86E-01	1.84E-01	6.22E+00
5.56E+00	5.14E-02	5.74E-06	1.18E-02	3.67E-01	2.73E-02	1.92E-01	1.89E-01	6.02E+00
5.33E+00	5.03E-02	5.82E-06	1.20E-02	3.72E-01	2.69E-02	1.94E-01	1.85E-01	5.80E+00
5.08E+00	5.00E-02	6.66E-06	1.30E-02	3.49E-01	2.77E-02	1.95E-01	1.84E-01	5.53E+00
4.82E+00	5.19E-02	8.56E-06	1.73E-02	3.01E-01	3.20E-02	2.05E-01	1.91E-01	5.23E+00
4.55E+00	6.26E-02	8.63E-06	1.79E-02	2.36E-01	3.26E-02	2.42E-01	2.30E-01	4.91E+00
4.14E+00	5.57E-02	8.42E-06	1.81E-02	2.73E-01	3.23E-02	2.29E-01	2.05E-01	4.54E+00
3.83E+00	5.95E-02	8.01E-06	1.89E-02	2.94E-01	3.44E-02	2.77E-01	2.19E-01	4.29E+00
3.45E+00	6.86E-02	7.20E-06	1.98E-02	2.86E-01	3.48E-02	3.05E-01	2.52E-01	3.91E+00
3.22E+00	7.45E-02	5.98E-06	2.04E-02	3.44E-01	3.43E-02	3.23E-01	2.74E-01	3.74E+00
3.01E+00	9.53E-02	6.32E-06	1.80E-02	2.79E-01	3.04E-02	3.70E-01	3.51E-01	3.45E+00
3.53E+00	1.02E-01	6.75E-06	1.37E-02	3.24E-01	2.64E-02	3.95E-01	3.74E-01	4.01E+00
3.72E+00	6.68E-02	6.73E-06	1.10E-02	2.62E-01	2.69E-02	2.59E-01	2.46E-01	4.10E+00
2.59E+00	5.81E-02	5.92E-06	1.00E-02	1.68E-01	2.69E-02	2.22E-01	2.14E-01	2.87E+00
3.51E+00	6.09E-02	6.29E-06	1.10E-02	1.31E-01	2.66E-02	2.41E-01	2.24E-01	3.76E+00
6.27E+00	9.22E-02	8.33E-06	1.20E-02	2.61E-01	2.60E-02	3.57E-01	3.39E-01	6.68E+00
8.09E+00	1.60E-01	2.04E-05	1.87E-02	6.58E-01	3.65E-02	4.65E-01	5.89E-01	8.84E+00
7.38E+00	1.68E-01	2.47E-05	2.89E-02	4.66E-01	6.27E-02	6.52E-01	6.17E-01	8.14E+00
6.32E+00	2.63E-01	3.87E-05	3.70E-02	6.85E-01	7.23E-02	8.08E-01	9.67E-01	7.22E+00
7.32E+00	2.27E-01	1.49E-05	5.64E-02	6.66E-01	1.23E-01	1.23E+00	8.37E-01	8.78E+00
1.02E+01	3.62E-01	1.97E-05	4.36E-02	3.87E-01	8.95E-02	1.50E+00	1.33E+00	1.12E+01
1.27E+01	1.13E+00	1.94E-05	3.87E-02	4.93E-01	8.97E-02	4.39E+00	4.15E+00	1.46E+01
1.31E+01	5.70E-01	6.69E-05	2.77E-02	4.71E-01	1.09E-01	2.20E+00	2.10E+00	1.44E+01
1.24E+01	4.60E-01	8.50E-06	3.42E-02	3.61E-01	6.96E-02	1.79E+00	1.69E+00	1.34E+01
1.06E+01	1.56E-01	1.01E-05	2.54E-02	1.12E+00	4.26E-02	6.08E-01	5.74E-01	1.20E+01
9.42E+00	3.06E-01	1.16E-05	2.49E-02	7.51E-01	4.46E-02	1.19E+00	1.13E+00	1.06E+01
8.13E+00	2.40E-01	7.90E-06	2.49E-02	7.81E-01	4.40E-02	9.33E-01	8.85E-01	9.27E+00
7.86E+00	1.75E-01	7.97E-06	1.31E-02	8.84E-01	3.82E-02	6.84E-01	6.43E-01	9.01E+00
7.92E+00	1.49E-01	7.05E-06	1.16E-02	4.74E-01	3.02E-02	5.80E-01	5.48E-01	8.62E+00
6.86E+00	1.32E-01	8.34E-06	1.11E-02	6.87E-01	1.90E-02	5.11E-01	4.85E-01	7.74E+00
6.20E+00	1.10E-01	6.35E-06	1.18E-02	3.84E-01	1.87E-02	4.26E-01	4.04E-01	6.75E+00
3.77E+00	8.13E-02	6.80E-06	8.25E-03	1.88E-01	1.68E-02	3.16E-01	2.99E-01	4.08E+00
1.99E+00	6.54E-02	5.18E-06	5.32E-03	4.11E-01	1.70E-02	2.53E-01	2.41E-01	2.50E+00
2.15E+00	6.22E-02	4.36E-06	4.18E-03	2.17E-01	1.57E-02	2.40E-01	2.29E-01	2.47E+00
2.01E+00	5.82E-02	3.57E-06	6.11E-03	2.96E-01	1.52E-02	2.25E-01	2.14E-01	2.40E+00
2.02E+00	5.33E-02	2.82E-06	7.25E-03	3.00E-01	1.07E-02	2.06E-01	1.96E-01	2.41E+00
1.59E+00	4.84E-02	3.34E-06	5.38E-03	2.35E-01	9.59E-03	1.87E-01	1.78E-01	1.90E+00
2.18E+00	5.81E-02	3.64E-06	5.24E-03	2.98E-01	1.24E-02	2.25E-01	2.14E-01	2.57E+00
2.40E+00	6.40E-02	3.98E-06	7.95E-03	3.66E-01	1.25E-02	2.47E-01	2.36E-01	2.86E+00
2.48E+00	6.82E-02	5.36E-06	8.82E-03	3.03E-01	1.47E-02	2.64E-01	2.51E-01	2.88E+00
2.34E+00	6.79E-02	5.47E-06	7.92E-03	1.98E-01	1.38E-02	2.63E-01	2.50E-01	2.64E+00
2.97E+00	6.79E-02	4.48E-06	6.81E-03	2.18E-01	1.26E-02	2.63E-01	2.50E-01	3.28E+00

3873	492863.09	3852877.25	0.28389	0.15002	0.15816	0.15438	0.72306	0.08692	0.15127	0.15002	2.91E+00	6.75E-02	4.01E-06	7.99E-03	3.33E-01	1.20E-02	2.61E-01	2.49E-01	3.34E+00
3874	493363.09	3852877.25	0.26615	0.14734	0.15975	0.14569	1.02153	0.09092	0.14857	0.14734	2.73E+00	6.63E-02	4.05E-06	7.54E-03	4.71E-01	1.26E-02	2.57E-01	2.44E-01	3.30E+00
3875	493863.09	3852877.25	0.24048	0.14339	0.13745	0.18424	0.94316	0.14612	0.1446	0.14339	2.47E+00	6.45E-02	3.49E-06	9.54E-03	4.35E-01	2.02E-02	2.50E-01	2.38E-01	3.01E+00
3876	494363.09	3852877.25	0.23172	0.13892	0.14062	0.1831	0.58368	0.10489	0.14012	0.13892	2.38E+00	6.25E-02	3.57E-06	9.48E-03	2.69E-01	1.45E-02	2.42E-01	2.30E-01	2.74E+00
3877	494863.09	3852877.25	0.23569	0.13407	0.18019	0.20686	0.61859	0.10188	0.13524	0.13407	2.42E+00	6.03E-02	4.57E-06	1.07E-02	2.85E-01	1.41E-02	2.33E-01	2.22E-01	2.80E+00
3878	495363.09	3852877.25	0.23833	0.1282	0.13649	0.17333	0.57886	0.11327	0.12929	0.1282	2.44E+00	5.77E-02	3.46E-06	8.97E-03	2.67E-01	1.57E-02	2.23E-01	2.12E-01	2.80E+00
3879	495863.09	3852877.25	0.24019	0.12203	0.10747	0.14632	0.59365	0.10695	0.1229	0.12203	2.46E+00	5.49E-02	2.73E-06	7.57E-03	2.74E-01	1.48E-02	2.12E-01	2.02E-01	2.82E+00
3880	496363.09	3852877.25	0.24151	0.11576	0.10449	0.15224	0.73573	0.07084	0.11658	0.11576	2.48E+00	5.21E-02	2.65E-06	7.88E-03	3.39E-01	9.79E-03	2.01E-01	1.92E-01	2.89E+00
3881	496863.09	3852877.25	0.24151	0.10751	0.10783	0.11786	0.88311	0.08202	0.10827	0.10751	2.48E+00	4.84E-02	2.74E-06	6.10E-03	4.07E-01	1.13E-02	1.87E-01	1.78E-01	2.96E+00
3882	497363.09	3852877.25	0.16784	0.08469	0.08516	0.16184	0.85391	0.09732	0.08528	0.08469	1.72E+00	3.81E-02	2.16E-06	8.38E-03	3.94E-01	1.35E-02	1.47E-01	1.40E-01	2.18E+00
3883	497863.09	3852877.25	0.12779	0.05523	0.09715	0.13772	0.67959	0.11145	0.05573	0.05523	1.31E+00	2.49E-02	2.46E-06	7.13E-03	3.13E-01	1.54E-02	9.62E-02	9.15E-02	1.68E+00
3884	498363.09	3852877.25	0.12581	0.04938	0.10946	0.08776	0.44227	0.12389	0.04981	0.04938	1.29E+00	2.22E-02	2.78E-06	4.54E-03	2.04E-01	1.71E-02	8.60E-02	8.18E-02	1.54E+00
3885	471363.09	3853377.25	0.61966	0.0972	0.17868	0.19267	0.922	0.20177	0.09804	0.0972	6.35E+00	4.37E-02	4.53E-06	9.97E-03	4.25E-01	2.79E-02	1.69E-01	1.61E-01	6.87E+00
3886	471863.09	3853377.25	0.62112	0.10317	0.18481	0.20159	0.97872	0.20093	0.10501	0.10317	6.37E+00	4.64E-02	4.69E-06	1.04E-02	4.51E-01	2.78E-02	1.81E-01	1.71E-01	6.92E+00
3887	472363.09	3853377.25	0.61607	0.10314	0.19489	0.22185	1.01024	0.19959	0.1019	0.10314	6.32E+00	4.64E-02	4.94E-06	1.15E-02	4.66E-01	2.76E-02	1.76E-01	1.71E-01	6.87E+00
3888	472863.09	3853377.25	0.60641	0.1146	0.20716	0.23337	1.01091	0.20117	0.10679	0.1146	6.22E+00	5.16E-02	5.26E-06	1.21E-02	4.66E-01	2.78E-02	1.84E-01	1.90E-01	6.77E+00
3889	473363.09	3853377.25	0.59149	0.11952	0.21879	0.23724	0.97688	0.20715	0.10784	0.11952	6.07E+00	5.38E-02	5.55E-06	1.23E-02	4.50E-01	2.86E-02	1.86E-01	1.98E-01	6.60E+00
3890	473863.09	3853377.25	0.57392	0.11919	0.22697	0.23922	0.90785	0.2105	0.11125	0.11919	5.88E+00	5.36E-02	5.76E-06	1.24E-02	4.18E-01	2.91E-02	1.92E-01	1.97E-01	6.39E+00
3891	474363.09	3853377.25	0.55267	0.11364	0.23231	0.26386	0.87159	0.21379	0.11279	0.11364	5.67E+00	5.11E-02	5.89E-06	1.37E-02	4.02E-01	2.96E-02	1.95E-01	1.88E-01	6.17E+00
3892	474863.09	3853377.25	0.52374	0.10581	0.25546	0.23821	0.84532	0.19581	0.10755	0.10581	5.37E+00	4.76E-02	6.48E-06	1.23E-02	3.90E-01	2.71E-02	1.86E-01	1.75E-01	5.86E+00
3893	475363.09	3853377.25	0.49414	0.12167	0.23142	0.23931	0.74498	0.18478	0.13034	0.12167	5.07E+00	5.48E-02	5.87E-06	1.24E-02	3.43E-01	2.55E-02	2.25E-01	2.02E-01	5.53E+00
3894	475863.09	3853377.25	0.46265	0.13139	0.23614	0.24146	0.58821	0.18043	0.13347	0.13139	4.74E+00	5.91E-02	5.99E-06	1.25E-02	2.71E-01	2.49E-02	2.30E-01	2.18E-01	5.12E+00
3895	476363.09	3853377.25	0.42705	0.16208	0.24287	0.24396	0.55311	0.17947	0.1642	0.16208	4.38E+00	7.29E-02	6.16E-06	1.26E-02	2.55E-01	2.48E-02	2.83E-01	2.69E-01	4.76E+00
3896	476863.09	3853377.25	0.30901	0.15933	0.21388	0.24622	0.58957	0.18312	0.16128	0.15933	3.17E+00	7.17E-02	5.43E-06	1.27E-02	2.72E-01	2.53E-02	2.78E-01	2.64E-01	3.56E+00
3897	477363.09	3853377.25	0.28364	0.1468	0.23262	0.23331	0.61698	0.18756	0.14895	0.1468	2.91E+00	6.61E-02	5.90E-06	1.21E-02	2.84E-01	2.59E-02	2.57E-01	2.43E-01	3.31E+00
3898	477863.09	3853377.25	0.2844	0.13365	0.2491	0.23883	0.54749	0.19018	0.1355	0.13365	2.92E+00	6.01E-02	6.32E-06	1.24E-02	2.52E-01	2.63E-02	2.34E-01	2.21E-01	3.28E+00
3899	478363.09	3853377.25	0.28653	0.13506	0.27322	0.20768	0.59445	0.19685	0.11498	0.13506	2.94E+00	6.08E-02	6.93E-06	1.08E-02	2.74E-01	2.72E-02	1.99E-01	2.24E-01	3.29E+00
3900	478863.09	3853377.25	0.28193	0.13865	0.29914	0.21237	0.58926	0.20213	0.12074	0.13865	2.89E+00	6.24E-02	7.59E-06	1.10E-02	2.72E-01	2.79E-02	2.08E-01	2.30E-01	3.24E+00
3901	479363.09	3853377.25	0.34285	0.15324	0.28767	0.24375	0.48588	0.20326	0.14319	0.15324	3.52E+00	6.90E-02	7.30E-06	1.26E-02	2.24E-01	2.81E-02	2.47E-01	2.54E-01	3.84E+00
3902	479863.09	3853377.25	0.70114	0.19098	0.36015	0.26624	0.38992	0.19926	0.19266	0.19098	7.19E+00	8.59E-02	9.14E-06	1.38E-02	1.80E-01	2.75E-02	3.33E-01	3.16E-01	7.51E+00
3903	480363.09	3853377.25	0.86633	0.47254	0.97626	0.29722	1.20494	0.32791	0.23567	0.47254	8.88E+00	2.13E-01	2.48E-05	1.54E-02	5.55E-01	4.53E-02	4.07E-01	7.83E-01	9.34E+00
3904	480863.09	3853377.25	0.90205	0.29883	0.92391	0.42204	1.62831	0.32999	0.33631	0.29883	9.25E+00	1.34E-01	2.34E-05	2.18E-02	7.50E-01	4.56E-02	5.81E-01	4.95E-01	1.03E+01
3905	481363.09	3853377.25	0.80967	0.64151	1.77193	0.61651	1.49807	0.48005	0.38157	0.64151	8.30E+00	2.89E-01	4.50E-05	3.19E-02	6.90E-01	6.64E-02	6.59E-01	1.06E+00	8.98E+00
3906	481863.09	3853377.25	0.83826	0.60643	0.71623	0.97524	1.78532	1.0507	0.77603	0.60643	8.60E+00	2.73E-01	1.82E-05	5.05E-02	8.23E-01	1.45E-01	1.34E+00	1.00E+00	1.02E+01
3907	482363.09	3853377.25	1.21538	1.07542	1.45976	1.28858	1.33545	0.86895	1.03493	1.07542	1.25E+01	4.84E-01	3.70E-05	6.67E-02	6.15E-01	1.20E-01	1.79E+00	1.78E+00	1.38E+01
3908	482863.09	3853377.25	1.78643	1.98924	2.04767	0.99694	1.10552	0.89696	2.01941	1.98924	1.83E+01	8.95E-01	5.19E-05	5.16E-02	5.09E-01	1.24E-01	3.49E+00	3.30E+00	2.01E+01
3909	483363.09	3853377.25	1.40743	1.01604	0.4308	0.89947	1.27756	0.69128	1.0346	1.01604	1.44E+01	4.57E-01	1.09E-05	4.66E-02	5.89E-01	9.56E-02	1.79E+00	1.68E+00	1.57E+01
3910	483863.09	3853377.25	1.12542	0.87593	0.53563	0.76775	1.01319	0.53833	0.90095	0.87593	1.15E+01	3.94E-01	1.36E-05	3.97E-02	4.67E-01	7.44E-02	1.56E+00	1.45E+00	1.26E+01
3911	484363.09	3853377.25	1.01298	0.74811	0.58908	0.62119	3.02717	0.45466	0.76139	0.74811	1.04E+01	3.37E-01	1.49E-05	3.22E-02	1.40E+00	6.29E-02	1.31E+00	1.24E+00	1.23E+01
3912	484863.09	3853377.25	0.89236	0.28665	0.56988	0.5372	1.33801	0.32131	0.30849	0.28665	9.15E+00	1.29E-01	1.45E-05	2.78E-02	6.17E-01	4.44E-02	5.33E-01	4.75E-01	1.00E+01
3913	485363.09	3853377.25	0.74196	0.38376	0.29937	0.17141	1.14605	0.26631	0.38912	0.38376	7.61E+00	1.73E-01	7.59E-06	8.87E-03	5.28E-01	3.68E-02	6.72E-01	6.36E-01	8.39E+00
3914	485863.09	3853377.25	0.49281	0.31449	0.41148	0.17427	0.63899	0.17387	0.31694	0.31449	5.05E+00	1.42E-01	1.04E-05	9.02E-03	2.94E-01	2.40E-02	5.47E-01	5.21E-01	5.55E+00
3915	486363.09	3853377.25	0.51327	0.26213	0.34716	0.19699	1.59598	0.13636	0.2654	0.26213	5.26E+00	1.18E-01	8.81E-06	1.02E-02	7.35E-01	1.89E-02	4.58E-01	4.34E-01	6.17E+00
3916	486863.09	3853377.25	0.52448	0.1942	0.25611	0.20925	0.9101	0.14193	0.19518	0.1942	5.38E+00	8.74E-02	6.50E-06	1.08E-02	4.19E-01	1.96E-02	3.37E-01	3.22E-01	5.93E+00
3917	487363.09	3853377.25	0.44472	0.23083	0.34206	0.20839	0.62988	0.12694	0.23524	0.23083	4.56E+00	1.04E-01	8.68E-06	1.08E-02	2.90E-01	1.75E-02	4.06E-01	3.82E-01	5.01E+00
3918	487863.09	3853377.25	0.25854	0.23635	0.2288	0.16067	0.94921	0.14383	0.2409	0.23635	2.65E+00	1.06E-01	5.80E-06	8.32E-03	4.37E-01	1.99E-02	4.16E-01	3.92E-01	3.25E+00
3919	488363.09	3853377.25	0.27253	0.21272	0.26172	0.14633	0.86597	0.13481	0.21801	0.21272	2.79E+00	9.57E-02	6.64E-06	7.58E-03	3.99E-01	1.86E-02	3.76E-01	3.52E-01	3.34E+00
3920	488863.09	3853377.25	0.2755	0.17227	0.27428	0.1317	0.76034	0.1184	0.17817	0.17227	2.82E+00	7.75E-02	6.96E-06	6.82E-03	3.50E-01	1.64E-02	3.08E-01	2.85E-01	3.30E+00
3921	489363.09	3853377.25	0.27519	0.14943	0.18218	0.14814	0.63253	0.11937	0.15047	0.14943	2.82E+00	6.73E-02	4.62E-06	7.67E-03	2.91E-01	1.65E-02	2.60E-01	2.48E-01	3.22E+00
3922	489863.09	3853377.25	0.27131	0.14684	0.21028	0.11248	0.67179	0.09991	0.14787	0.14684	2.78E+00	6.61E-02	5.33E-06	5.82E-03	3.10E-01	1.38E-02	2.55E-01	2.43E-01	3.19E+00
3923	490363.09	3853377.25	0.28214	0.15347	0.27772	0.12499	0.82062	0.10668	0.15473	0.15347	2.89E+00	6.91E-02	7.05E-06	6.47E-03	3.78E-01	1.47E-02	2.67E-01	2.54E-01	3.37E+00
3924	490863.09	3853377.25	0.29167	0.14609	0.22125	0.15454	0.76021	0.11198	0.14688	0.14609	2.99E+00	6.57E-02	5.61E-06	8.00E-03	3.50E-01	1.55E-02	2.54E-01	2.42E-01	3.44E+00
3925	491363.09	3853377.25	0.29466	0.14687	0.20387	0.19421	0.45468	0.11066	0.14781	0.14687	3.02E+00	6.61E-02	5.17E-06	1.01E-02	2.10E-01	1.53E-02	2.55E-01	2.43E-01	3.33E+00
3926	491863.09	3853377.25	0.28587	0.13712	0.21544	0.16298	0.49844	0.09973	0.13878	0.13712	2.93E+00	6.17E-02	5.47E-06	8.44E-03	2.30E-01	1.38E-02	2.40E-01	2.27E-01	3.26E+00
3927	492363.09	3853377.25	0.26609	0.14034	0.18307	0.16032	0.88655	0.09119	0.14184	0.14034	2.73E+00	6.32E-02	4.64E-06	8.30E-03	4.09E-01	1.26E-02	2.45E-01	2.33E-01	3.23E+00
3928	492863.09	3853377.25	0.24781	0.14308	0.17719	0.1649	1.07314	0.09544	0.14443	0.14308	2.54E+00	6.44E-02	4.49E-06	8.54E-03	4.95E-01	1.32E-02	2.49E-01	2.37E-01	3.13E+00
3929	493363.09	3853377.25	0.25339	0.14469	0.18841	0.16303	0.87378	0.10119	0.14602	0.14469	2.60E+00	6.51E-02	4.78E-06	8.44E-03	4.03E-01	1.40E-02	2.52E-01	2.40E-01	3.10E+00

3930	493863.09	3853377.25	0.25529	0.14563	0.19798	0.20691	0.74226	0.18715	0.14692	0.14563
3931	494363.09	3853377.25	0.25023	0.14541	0.18806	0.2122	1.05378	0.10966	0.14672	0.14541
3932	494863.09	3853377.25	0.25017	0.14419	0.18153	0.22524	1.19759	0.11025	0.14544	0.14419
3933	495363.09	3853377.25	0.24943	0.14231	0.16711	0.17556	0.79167	0.11994	0.14355	0.14231
3934	495863.09	3853377.25	0.24717	0.13744	0.14209	0.15816	0.92177	0.11369	0.13846	0.13744
3935	496363.09	3853377.25	0.2434	0.12852	0.11935	0.15693	0.86231	0.10102	0.12867	0.12852
3936	496863.09	3853377.25	0.23819	0.09594	0.1095	0.17916	0.65811	0.11512	0.0966	0.09594
3937	497363.09	3853377.25	0.13859	0.06547	0.11937	0.12165	0.40195	0.12784	0.06588	0.06547
3938	497863.09	3853377.25	0.12165	0.06225	0.10009	0.06867	0.22415	0.13382	0.06263	0.06225
3939	498363.09	3853377.25	0.12345	0.05986	0.07106	0.0661	0.22928	0.12791	0.06024	0.05986
3940	471363.09	3853877.25	0.56015	0.09816	0.19091	0.20031	0.58933	0.2308	0.09836	0.09816
3941	471863.09	3853877.25	0.59155	0.10242	0.18318	0.20405	0.69359	0.22089	0.10336	0.10242
3942	472363.09	3853877.25	0.61548	0.10623	0.176	0.20561	0.80001	0.21327	0.10088	0.10623
3943	472863.09	3853877.25	0.63259	0.12122	0.17175	0.2228	0.90346	0.20945	0.10547	0.12122
3944	473363.09	3853877.25	0.63792	0.11916	0.17263	0.23198	0.99501	0.20824	0.10588	0.11916
3945	473863.09	3853877.25	0.63463	0.1179	0.17997	0.23894	1.06587	0.20906	0.11008	0.1179
3946	474363.09	3853877.25	0.62607	0.12091	0.19323	0.24537	1.10578	0.21316	0.11751	0.12091
3947	474863.09	3853877.25	0.61221	0.12418	0.20955	0.24659	1.10548	0.21618	0.12274	0.12418
3948	475363.09	3853877.25	0.59022	0.12047	0.2241	0.23884	1.05836	0.21337	0.11392	0.12047
3949	475863.09	3853877.25	0.56087	0.11163	0.20422	0.21673	0.96319	0.19903	0.09642	0.11163
3950	476363.09	3853877.25	0.41418	0.11696	0.19748	0.16722	0.93381	0.18939	0.10272	0.11696
3951	476863.09	3853877.25	0.29276	0.12717	0.20421	0.16918	0.42999	0.18322	0.10455	0.12717
3952	477363.09	3853877.25	0.3766	0.12542	0.21194	0.17177	0.39327	0.17981	0.10944	0.12542
3953	477863.09	3853877.25	0.35682	0.13119	0.2239	0.17435	0.54566	0.18637	0.1139	0.13119
3954	478363.09	3853877.25	0.33501	0.13332	0.24163	0.17673	0.65326	0.19304	0.11442	0.13332
3955	478863.09	3853877.25	0.30097	0.13536	0.25459	0.17912	0.44646	0.19814	0.11213	0.13536
3956	479363.09	3853877.25	0.30752	0.14318	0.26525	0.1836	0.56849	0.20397	0.11864	0.14318
3957	479863.09	3853877.25	0.51784	0.15977	0.30881	0.28997	0.89551	0.22911	0.14161	0.15977
3958	480363.09	3853877.25	0.80204	0.22384	0.41273	0.44795	0.9262	0.27341	0.22143	0.22384
3959	480863.09	3853877.25	0.93343	0.47489	0.93131	0.49641	0.68743	0.4553	0.32646	0.47489
3960	481363.09	3853877.25	0.94245	0.73379	1.92254	0.56759	1.46712	0.73497	0.44396	0.73379
3961	481863.09	3853877.25	0.8746	0.66001	2.24891	0.54886	1.50817	0.97604	0.50564	0.66001
3962	482363.09	3853877.25	1.0535	1.0875	0.86212	0.66598	1.90261	1.388	0.61216	1.0875
3963	482863.09	3853877.25	1.69315	2.43653	1.87295	2.08451	1.99597	2.38194	2.22109	2.43653
3964	483363.09	3853877.25	1.98147	0.68723	1.21242	2.00921	1.11481	1.96469	0.81354	0.68723
3965	483863.09	3853877.25	1.25715	0.74131	1.27559	1.10185	1.58525	0.75978	0.78128	0.74131
3966	484363.09	3853877.25	1.21672	0.62186	1.06087	0.88301	1.27449	0.54485	0.65331	0.62186
3967	484863.09	3853877.25	0.99628	0.66818	0.87466	0.47962	2.69819	0.28898	0.67878	0.66818
3968	485363.09	3853877.25	0.57818	0.34066	0.51814	0.19023	0.37311	0.24276	0.3504	0.34066
3969	485863.09	3853877.25	0.80683	0.18381	0.55776	0.17645	0.80139	0.24011	0.18848	0.18381
3970	486363.09	3853877.25	0.69796	0.23507	0.33608	0.20667	1.42918	0.20205	0.24757	0.23507
3971	486863.09	3853877.25	0.65557	0.32848	0.37319	0.22949	1.38315	0.15312	0.34131	0.32848
3972	487363.09	3853877.25	0.56354	0.29793	0.35063	0.24657	1.01336	0.13562	0.31029	0.29793
3973	487863.09	3853877.25	0.3976	0.27024	0.29611	0.19424	1.01319	0.16335	0.27148	0.27024
3974	488363.09	3853877.25	0.35064	0.24217	0.35545	0.21152	0.79559	0.16248	0.28625	0.24217
3975	488863.09	3853877.25	0.38168	0.26761	0.35873	0.2366	0.93322	0.17329	0.33389	0.26761
3976	489363.09	3853877.25	0.34225	0.24348	0.24934	0.20903	0.60724	0.12732	0.29163	0.24348
3977	489863.09	3853877.25	0.33516	0.21054	0.24097	0.19995	0.80753	0.12682	0.26183	0.21054
3978	490363.09	3853877.25	0.31845	0.17241	0.26874	0.17898	0.86631	0.12595	0.2247	0.17241
3979	490863.09	3853877.25	0.33943	0.17849	0.20201	0.18818	0.6369	0.12733	0.19781	0.17849
3980	491363.09	3853877.25	0.32916	0.1825	0.26871	0.20454	0.64916	0.12926	0.19048	0.1825
3981	491863.09	3853877.25	0.33183	0.17559	0.25092	0.17796	1.03298	0.13096	0.18396	0.17559
3982	492363.09	3853877.25	0.34326	0.17451	0.2915	0.1853	1.08191	0.14083	0.17565	0.17451
3983	492863.09	3853877.25	0.34443	0.16853	0.27136	0.18835	0.94447	0.14479	0.16969	0.16853
3984	493363.09	3853877.25	0.33592	0.15354	0.23619	0.27168	1.32079	0.13904	0.15467	0.15354
3985	493863.09	3853877.25	0.32276	0.13462	0.18045	0.21491	1.49662	0.2123	0.13568	0.13462
3986	494363.09	3853877.25	0.31211	0.12888	0.16741	0.26212	1.28124	0.13251	0.13016	0.12888

2.62E+00	6.55E-02	5.02E-06	1.07E-02	3.42E-01	2.59E-02	2.54E-01	2.41E-01	3.07E+00
2.57E+00	6.54E-02	4.77E-06	1.10E-02	4.86E-01	1.52E-02	2.53E-01	2.41E-01	3.16E+00
2.57E+00	6.49E-02	4.61E-06	1.17E-02	5.52E-01	1.52E-02	2.51E-01	2.39E-01	3.22E+00
2.56E+00	6.40E-02	4.24E-06	9.09E-03	3.65E-01	1.66E-02	2.48E-01	2.36E-01	3.02E+00
2.53E+00	6.19E-02	3.60E-06	8.19E-03	4.25E-01	1.57E-02	2.39E-01	2.28E-01	3.06E+00
2.50E+00	5.78E-02	3.03E-06	8.12E-03	3.97E-01	1.40E-02	2.22E-01	2.13E-01	2.98E+00
2.44E+00	4.32E-02	2.78E-06	9.27E-03	3.03E-01	1.59E-02	1.67E-01	1.59E-01	2.82E+00
1.42E+00	2.95E-02	3.03E-06	6.30E-03	1.85E-01	1.77E-02	1.14E-01	1.08E-01	1.67E+00
1.25E+00	2.80E-02	2.54E-06	3.55E-03	1.03E-01	1.85E-02	1.08E-01	1.03E-01	1.41E+00
1.27E+00	2.69E-02	1.80E-06	3.42E-03	1.06E-01	1.77E-02	1.04E-01	9.92E-02	1.42E+00
5.74E+00	4.42E-02	4.84E-06	1.04E-02	2.72E-01	3.19E-02	1.70E-01	1.63E-01	6.11E+00
6.07E+00	4.61E-02	4.65E-06	1.06E-02	3.20E-01	3.05E-02	1.78E-01	1.70E-01	6.48E+00
6.31E+00	4.78E-02	4.46E-06	1.06E-02	3.69E-01	2.95E-02	1.74E-01	1.76E-01	6.77E+00
6.49E+00	5.46E-02	4.36E-06	1.15E-02	4.16E-01	2.90E-02	1.82E-01	2.01E-01	6.98E+00
6.54E+00	5.36E-02	4.38E-06	1.20E-02	4.59E-01	2.88E-02	1.83E-01	1.97E-01	7.08E+00
6.51E+00	5.31E-02	4.57E-06	1.24E-02	4.91E-01	2.89E-02	1.90E-01	1.95E-01	7.09E+00
6.42E+00	5.44E-02	4.90E-06	1.27E-02	5.10E-01	2.95E-02	2.03E-01	2.00E-01	7.03E+00
6.28E+00	5.59E-02	5.32E-06	1.28E-02	5.09E-01	2.99E-02	2.12E-01	2.06E-01	6.89E+00
6.05E+00	5.42E-02	5.68E-06	1.24E-02	4.88E-01	2.95E-02	1.97E-01	2.00E-01	6.63E+00
5.75E+00	5.02E-02	5.18E-06	1.12E-02	4.44E-01	2.75E-02	1.66E-01	1.85E-01	6.27E+00
4.25E+00	5.26E-02	5.01E-06	8.66E-03	4.30E-01	2.62E-02	1.77E-01	1.94E-01	4.75E+00
3.00E+00	5.72E-02	5.18E-06	8.76E-03	1.98E-01	2.53E-02	1.81E-01	2.11E-01	3.26E+00
3.86E+00	5.64E-02	5.38E-06	8.89E-03	1.81E-01	2.49E-02	1.89E-01	2.08E-01	4.11E+00
3.66E+00	5.90E-02	5.68E-06	9.03E-03	2.51E-01	2.58E-02	1.97E-01	2.17E-01	3.98E+00
3.44E+00	6.00E-02	6.13E-06	9.15E-03	3.01E-01	2.67E-02	1.98E-01	2.21E-01	3.81E+00
3.09E+00	6.09E-02	6.46E-06	9.27E-03	2.06E-01	2.74E-02	1.94E-01	2.24E-01	3.36E+00
3.15E+00	6.44E-02	6.73E-06	9.50E-03	2.62E-01	2.82E-02	2.05E-01	2.37E-01	3.49E+00
5.31E+00	7.19E-02	7.83E-06	1.50E-02	4.13E-01	3.17E-02	2.44E-01	2.65E-01	5.82E+00
8.22E+00	1.01E-01	1.05E-05	2.32E-02	4.27E-01	3.78E-02	3.82E-01	3.71E-01	8.82E+00
9.57E+00	2.14E-01	2.36E-05	2.57E-02	3.17E-01	6.29E-02	5.64E-01	7.87E-01	9.97E+00
9.66E+00	3.30E-01	4.88E-05	2.94E-02	6.76E-01	1.02E-01	7.67E-01	1.22E+00	1.04E+01
8.97E+00	2.97E-01	5.70E-05	2.84E-02	6.95E-01	1.35E-01	8.73E-01	1.09E+00	9.90E+00
1.08E+01	4.89E-01	2.19E-05	3.45E-02	8.77E-01	1.92E-01	1.06E+00	1.80E+00	1.17E+01
1.74E+01	1.10E+00	4.75E-05	1.08E-01	9.20E-01	3.29E-01	3.83E+00	4.04E+00	1.96E+01
2.03E+01	3.09E-01	3.08E-05	1.04E-01	5.14E-01	2.72E-01	1.40E+00	1.14E+00	2.18E+01
1.29E+01	3.34E-01	3.24E-05	5.70E-02	7.31E-01	1.05E-01	1.35E+00	1.23E+00	1.42E+01
1.25E+01	2.80E-01	2.69E-05	4.57E-02	5.87E-01	7.53E-02	1.13E+00	1.03E+00	1.36E+01
1.02E+01	3.01E-01	2.22E-05	2.48E-02	1.24E+00	4.00E-02	1.17E+00	1.11E+00	1.19E+01
5.93E+00	1.53E-01	1.31E-05	9.85E-03	1.72E-01	3.36E-02	6.05E-01	5.64E-01	6.34E+00
8.27E+00	8.27E-02	1.41E-05	9.13E-03	3.69E-01	3.32E-02	3.25E-01	3.05E-01	8.79E+00
7.16E+00	1.06E-01	8.53E-06	1.07E-02	6.59E-01	2.79E-02	4.27E-01	3.89E-01	8.00E+00
6.72E+00	1.48E-01	9.47E-06	1.19E-02	6.37E-01	2.12E-02	5.89E-01	5.44E-01	7.59E+00
5.78E+00	1.34E-01	8.89E-06	1.28E-02	4.67E-01	1.87E-02	5.36E-01	4.94E-01	6.45E+00
4.08E+00	1.22E-01	7.51E-06	1.01E-02	4.67E-01	2.26E-02	4.69E-01	4.48E-01	4.72E+00
3.60E+00	1.09E-01	9.02E-06	1.09E-02	3.67E-01	2.25E-02	4.94E-01	4.01E-01	4.20E+00
3.91E+00	1.20E-01	9.10E-06	1.22E-02	4.30E-01	2.40E-02	5.76E-01	4.43E-01	4.63E+00
3.51E+00	1.10E-01	6.33E-06	1.08E-02	2.80E-01	1.76E-02	5.04E-01	4.03E-01	4.03E+00
3.44E+00	9.48E-02	6.11E-06	1.04E-02	3.72E-01	1.75E-02	4.52E-01	3.49E-01	4.03E+00
3.27E+00	7.76E-02	6.82E-06	9.27E-03	3.99E-01	1.74E-02	3.88E-01	2.86E-01	3.87E+00
3.48E+00	8.03E-02	5.12E-06	9.74E-03	2.94E-01	1.76E-02	3.42E-01	2.96E-01	3.93E+00
3.38E+00	8.21E-02	6.82E-06	1.06E-02	2.99E-01	1.79E-02	3.29E-01	3.02E-01	3.81E+00
3.40E+00	7.90E-02	6.37E-06	9.21E-03	4.76E-01	1.81E-02	3.18E-01	2.91E-01	4.01E+00
3.52E+00	7.85E-02	7.39E-06	9.59E-03	4.99E-01	1.95E-02	3.03E-01	2.89E-01	4.14E+00
3.53E+00	7.58E-02	6.88E-06	9.75E-03	4.35E-01	2.00E-02	2.93E-01	2.79E-01	4.09E+00
3.44E+00	6.91E-02	5.99E-06	1.41E-02	6.09E-01	1.92E-02	2.67E-01	2.54E-01	4.17E+00
3.31E+00	6.06E-02	4.58E-06	1.11E-02	6.90E-01	2.94E-02	2.34E-01	2.23E-01	4.11E+00
3.20E+00	5.80E-02	4.25E-06	1.36E-02	5.90E-01	1.83E-02	2.25E-01	2.14E-01	3.89E+00

3987	494863.09	3853877.25	0.29187	0.13216	0.18529	0.24885	0.95628	0.12826	0.13351	0.13216
3988	495363.09	3853877.25	0.24314	0.13192	0.13639	0.16445	0.86468	0.12476	0.13322	0.13192
3989	495863.09	3853877.25	0.23528	0.10967	0.11975	0.19545	0.63053	0.12416	0.10941	0.10967
3990	496363.09	3853877.25	0.22727	0.08836	0.12929	0.17443	0.49574	0.13196	0.08905	0.08836
3991	496863.09	3853877.25	0.18478	0.07019	0.1198	0.13213	0.49009	0.13768	0.07072	0.07019
3992	497363.09	3853877.25	0.13479	0.06872	0.11996	0.09747	0.34914	0.12918	0.06918	0.06872
3993	497863.09	3853877.25	0.13497	0.06799	0.11962	0.10002	0.31424	0.11294	0.06843	0.06799
3994	498363.09	3853877.25	0.13798	0.0669	0.11915	0.15354	0.36674	0.10018	0.06733	0.0669
3995	471363.09	3854377.25	0.45938	0.11672	0.20861	0.19793	0.44889	0.28851	0.0987	0.11672
3996	471863.09	3854377.25	0.48176	0.11935	0.21145	0.20908	0.59624	0.28093	0.11198	0.11935
3997	472363.09	3854377.25	0.50804	0.13393	0.20993	0.21516	0.7124	0.26785	0.12483	0.13393
3998	472863.09	3854377.25	0.53842	0.13565	0.20398	0.21821	0.7815	0.25166	0.12262	0.13565
3999	473363.09	3854377.25	0.57313	0.14179	0.19419	0.22397	0.822	0.23663	0.11949	0.14179
4000	473863.09	3854377.25	0.60741	0.14921	0.18211	0.23541	0.8162	0.24022	0.11943	0.14921
4001	474363.09	3854377.25	0.6347	0.14713	0.18222	0.25041	0.83668	0.24814	0.12619	0.14713
4002	474863.09	3854377.25	0.64352	0.12443	0.16235	0.23545	0.96265	0.21246	0.11786	0.12443
4003	475363.09	3854377.25	0.63587	0.11205	0.15154	0.2037	1.07721	0.20987	0.09993	0.11205
4004	475863.09	3854377.25	0.46269	0.10362	0.15794	0.19324	1.10089	0.20425	0.09293	0.10362
4005	476363.09	3854377.25	0.32872	0.10894	0.16849	0.18267	1.17025	0.20212	0.09431	0.10894
4006	476863.09	3854377.25	0.32831	0.11263	0.18205	0.17432	1.13337	0.18708	0.09431	0.11263
4007	477363.09	3854377.25	0.28936	0.11504	0.1958	0.16957	0.98432	0.18539	0.09794	0.11504
4008	477863.09	3854377.25	0.28048	0.12509	0.20573	0.16839	0.75216	0.1856	0.1037	0.12509
4009	478363.09	3854377.25	0.31213	0.13335	0.20861	0.16982	0.49562	0.18995	0.11022	0.13335
4010	478863.09	3854377.25	0.30376	0.13412	0.20721	0.17251	0.44019	0.1967	0.11448	0.13412
4011	479363.09	3854377.25	0.38707	0.14222	0.2478	0.23074	0.62233	0.20519	0.14371	0.14222
4012	479863.09	3854377.25	0.45816	0.14386	0.2818	0.25669	0.73479	0.21229	0.13698	0.14386
4013	480363.09	3854377.25	0.5945	0.15329	0.49887	0.40967	1.03019	0.23773	0.22855	0.15329
4014	480863.09	3854377.25	0.83743	0.35172	0.6589	0.6072	1.40977	0.36724	0.38386	0.35172
4015	481363.09	3854377.25	0.99417	0.358	0.91619	0.65349	1.40634	0.45351	0.43538	0.358
4016	481863.09	3854377.25	0.95683	0.88738	2.06738	0.6425	0.92236	0.72804	0.46581	0.88738
4017	482363.09	3854377.25	1.08724	1.07239	3.23153	0.75094	1.6369	1.0704	0.56057	1.07239
4018	482863.09	3854377.25	1.5031	3.37822	1.52198	1.03682	1.78625	1.60442	0.78659	3.37822
4019	483363.09	3854377.25	1.80708	1.17694	2.61192	1.76826	2.63205	0.94528	2.50683	1.17694
4020	483863.09	3854377.25	1.80009	0.38111	1.50372	3.19983	1.71093	1.53113	1.19701	0.38111
4021	484363.09	3854377.25	1.625	0.34719	1.4241	1.34728	1.95169	0.73199	0.78652	0.34719
4022	484863.09	3854377.25	0.95001	0.32	0.88909	0.46988	0.71844	0.27635	0.34779	0.32
4023	485363.09	3854377.25	0.99826	0.52396	0.91337	0.43843	2.35841	0.31124	0.53336	0.52396
4024	485863.09	3854377.25	0.90009	0.5033	0.45528	0.28448	0.60916	0.25431	0.51648	0.5033
4025	486363.09	3854377.25	0.89999	0.35511	0.4631	0.33342	1.20686	0.24398	0.36586	0.35511
4026	486863.09	3854377.25	0.87776	0.17241	0.34839	0.27778	1.79918	0.1886	0.18291	0.17241
4027	487363.09	3854377.25	0.77173	0.22626	0.48187	0.29284	2.02805	0.18366	0.24318	0.22626
4028	487863.09	3854377.25	0.53941	0.38797	0.45282	0.30048	1.3208	0.23862	0.40599	0.38797
4029	488363.09	3854377.25	0.49977	0.36572	0.31051	0.27371	0.71694	0.21158	0.38236	0.36572
4030	488863.09	3854377.25	0.50602	0.30855	0.39728	0.25654	1.083	0.22506	0.31081	0.30855
4031	489363.09	3854377.25	0.48874	0.26535	0.33721	0.28327	1.28988	0.22281	0.33477	0.26535
4032	489863.09	3854377.25	0.46848	0.291	0.35831	0.24899	0.96375	0.21671	0.36308	0.291
4033	490363.09	3854377.25	0.4544	0.28014	0.40152	0.24595	1.02575	0.18295	0.35749	0.28014
4034	490863.09	3854377.25	0.37422	0.22759	0.25762	0.23643	0.77928	0.17359	0.31598	0.22759
4035	491363.09	3854377.25	0.40682	0.20282	0.25825	0.2381	1.13594	0.17512	0.29399	0.20282
4036	491863.09	3854377.25	0.41618	0.18531	0.26945	0.23615	1.17414	0.17576	0.26004	0.18531
4037	492363.09	3854377.25	0.41195	0.19258	0.30626	0.23303	1.61199	0.19443	0.22936	0.19258
4038	492863.09	3854377.25	0.40211	0.18789	0.33756	0.28301	1.87184	0.18064	0.21288	0.18789
4039	493363.09	3854377.25	0.38886	0.17597	0.29796	0.29197	1.83926	0.16721	0.19973	0.17597
4040	493863.09	3854377.25	0.37384	0.16349	0.22675	0.27859	1.97178	0.21377	0.18257	0.16349
4041	494363.09	3854377.25	0.3581	0.15485	0.22927	0.35836	0.86099	0.15997	0.16639	0.15485
4042	494863.09	3854377.25	0.35266	0.12433	0.16569	0.17136	0.70047	0.13197	0.12712	0.12433
4043	495363.09	3854377.25	0.21799	0.10079	0.16283	0.20717	0.52308	0.14355	0.10147	0.10079

2.99E+00	5.95E-02	4.70E-06	1.29E-02	4.41E-01	1.77E-02	2.31E-01	2.19E-01	3.54E+00
2.49E+00	5.94E-02	3.46E-06	8.51E-03	3.98E-01	1.72E-02	2.30E-01	2.19E-01	2.99E+00
2.41E+00	4.94E-02	3.04E-06	1.01E-02	2.91E-01	1.72E-02	1.89E-01	1.82E-01	2.79E+00
2.33E+00	3.98E-02	3.28E-06	9.03E-03	2.28E-01	1.82E-02	1.54E-01	1.46E-01	2.63E+00
1.89E+00	3.16E-02	3.04E-06	6.84E-03	2.26E-01	1.90E-02	1.22E-01	1.16E-01	2.18E+00
1.38E+00	3.09E-02	3.04E-06	5.05E-03	1.61E-01	1.79E-02	1.19E-01	1.14E-01	1.60E+00
1.38E+00	3.06E-02	3.03E-06	5.18E-03	1.45E-01	1.56E-02	1.18E-01	1.13E-01	1.59E+00
1.41E+00	3.01E-02	3.02E-06	7.95E-03	1.69E-01	1.39E-02	1.16E-01	1.11E-01	1.64E+00
4.71E+00	5.25E-02	5.29E-06	1.02E-02	2.07E-01	3.99E-02	1.70E-01	1.93E-01	5.00E+00
4.94E+00	5.37E-02	5.36E-06	1.08E-02	2.75E-01	3.88E-02	1.93E-01	1.98E-01	5.31E+00
5.21E+00	6.03E-02	5.33E-06	1.11E-02	3.28E-01	3.70E-02	2.16E-01	2.22E-01	5.64E+00
5.52E+00	6.10E-02	5.17E-06	1.13E-02	3.60E-01	3.48E-02	2.12E-01	2.25E-01	5.98E+00
5.88E+00	6.38E-02	4.93E-06	1.16E-02	3.79E-01	3.27E-02	2.06E-01	2.35E-01	6.34E+00
6.23E+00	6.72E-02	4.62E-06	1.22E-02	3.76E-01	3.32E-02	2.06E-01	2.47E-01	6.68E+00
6.51E+00	6.62E-02	4.62E-06	1.30E-02	3.86E-01	3.43E-02	2.18E-01	2.44E-01	6.98E+00
6.60E+00	5.60E-02	4.12E-06	1.22E-02	4.44E-01	2.94E-02	2.03E-01	2.06E-01	7.14E+00
6.52E+00	5.04E-02	3.84E-06	1.05E-02	4.96E-01	2.90E-02	1.73E-01	1.86E-01	7.09E+00
4.74E+00	4.66E-02	4.01E-06	1.00E-02	5.07E-01	2.82E-02	1.60E-01	1.72E-01	5.33E+00
3.37E+00	4.90E-02	4.27E-06	9.46E-03	5.39E-01	2.79E-02	1.63E-01	1.81E-01	3.98E+00
3.37E+00	5.07E-02	4.62E-06	9.02E-03	5.22E-01	2.59E-02	1.63E-01	1.87E-01	3.95E+00
2.97E+00	5.18E-02	4.97E-06	8.78E-03	4.54E-01	2.56E-02	1.69E-01	1.91E-01	3.49E+00
2.88E+00	5.63E-02	5.22E-06	8.72E-03	3.47E-01	2.57E-02	1.79E-01	2.07E-01	3.29E+00
3.20E+00	6.00E-02	5.29E-06	8.79E-03	2.28E-01	2.63E-02	1.90E-01	2.21E-01	3.49E+00
3.11E+00	6.04E-02	5.26E-06	8.93E-03	2.03E-01	2.72E-02	1.98E-01	2.22E-01	3.39E+00
3.97E+00	6.40E-02	6.29E-06	1.19E-02	2.87E-01	2.84E-02	2.48E-01	2.36E-01	4.37E+00
4.70E+00	6.47E-02	7.15E-06	1.33E-02	3.39E-01	2.93E-02	2.36E-01	2.38E-01	5.14E+00
6.10E+00	6.90E-02	1.27E-05	2.12E-02	4.75E-01	3.29E-02	3.95E-01	2.54E-01	6.83E+00
8.59E+00	1.58E-01	1.67E-05	3.14E-02	6.50E-01	5.08E-02	6.63E-01	5.83E-01	9.56E+00
1.02E+01	1.61E-01	2.32E-05	3.38E-02	6.48E-01	6.27E-02	7.52E-01	5.93E-01	1.13E+01
9.81E+00	3.99E-01	5.24E-05	3.33E-02	4.25E-01	1.01E-01	8.04E-01	1.47E+00	1.01E+01
1.11E+01	4.83E-01	8.20E-05	3.89E-02	7.54E-01	1.48E-01	9.68E-01	1.78E+00	1.18E+01
1.54E+01	1.52E+00	3.86E-05	5.37E-02	8.23E-01	2.22E-01	1.36E+00	5.60E+00	1.38E+01
1.85E+01	5.30E-01	6.63E-05	9.15E-02	1.21E+00	1.31E-01	4.33E+00	1.95E+00	2.29E+01
1.85E+01	1.72E-01	3.81E-05	1.66E-01	7.88E-01	2.12E-01	2.07E+00	6.31E-01	2.12E+01
1.67E+01	1.56E-01	3.61E-05	6.97E-02	8.99E-01	1.01E-01	1.36E+00	5.75E-01	1.87E+01
9.74E+00	1.44E-01	2.26E-05	2.43E-02	3.31E-01	3.82E-02	6.00E-01	5.30E-01	1.03E+01
1.02E+01	2.36E-01	2.32E-05	2.27E-02	1.09E+00	4.30E-02	9.21E-01	8.68E-01	1.17E+01
9.23E+00	2.27E-01	1.15E-05	1.47E-02	2.81E-01	3.52E-02	8.92E-01	8.34E-01	9.84E+00
9.23E+00	1.60E-01	1.17E-05	1.73E-02	5.56E-01	3.37E-02	6.32E-01	5.88E-01	1.00E+01
9.00E+00	7.76E-02	8.84E-06	1.44E-02	8.29E-01	2.61E-02	3.16E-01	2.86E-01	9.98E+00
7.91E+00	1.02E-01	1.22E-05	1.52E-02	9.35E-01	2.54E-02	4.20E-01	3.75E-01	9.04E+00
5.53E+00	1.75E-01	1.15E-05	1.56E-02	6.09E-01	3.30E-02	7.01E-01	6.43E-01	6.42E+00
5.12E+00	1.65E-01	7.88E-06	1.42E-02	3.30E-01	2.93E-02	6.60E-01	6.06E-01	5.72E+00
5.19E+00	1.39E-01	1.01E-05	1.33E-02	4.99E-01	3.11E-02	5.37E-01	5.11E-01	5.90E+00
5.01E+00	1.19E-01	8.55E-06	1.47E-02	5.94E-01	3.08E-02	5.78E-01	4.40E-01	5.91E+00
4.80E+00	1.31E-01	9.09E-06	1.29E-02	4.44E-01	3.00E-02	6.27E-01	4.82E-01	5.57E+00
4.66E+00	1.26E-01	1.02E-05	1.27E-02	4.73E-01	2.53E-02	6.17E-01	4.64E-01	5.45E+00
3.84E+00	1.02E-01	6.54E-06	1.22E-02	3.59E-01	2.40E-02	5.46E-01	3.77E-01	4.50E+00
4.17E+00	9.13E-02	6.55E-06	1.23E-02	5.23E-01	2.42E-02	5.08E-01	3.36E-01	4.99E+00
4.27E+00	8.34E-02	6.84E-06	1.22E-02	5.41E-01	2.43E-02	4.49E-01	3.07E-01	5.07E+00
4.22E+00	8.67E-02	7.77E-06	1.21E-02	7.43E-01	2.69E-02	3.96E-01	3.19E-01	5.17E+00
4.12E+00	8.46E-02	8.56E-06	1.47E-02	8.63E-01	2.50E-02	3.68E-01	3.11E-01	5.17E+00
3.99E+00	7.92E-02	7.56E-06	1.51E-02	8.48E-01	2.31E-02	3.45E-01	2.92E-01	5.01E+00
3.83E+00	7.36E-02	5.75E-06	1.44E-02	9.09E-01	2.96E-02	3.15E-01	2.71E-01	4.90E+00
3.67E+00	6.97E-02	5.82E-06	1.86E-02	3.97E-01	2.21E-02	2.87E-01	2.57E-01	4.21E+00
3.62E+00	5.60E-02	4.20E-06	8.87E-03	3.23E-01	1.82E-02	2.19E-01	2.06E-01	4.04E+00
2.24E+00	4.54E-02	4.13E-06	1.07E-02	2.41E-01	1.98E-02	1.75E-01	1.67E-01	2.56E+00

4044	495863.09	3854377.25	0.18218	0.08884	0.16045	0.15069	0.50575	0.15367	0.08941	0.08884
4045	496363.09	3854377.25	0.18298	0.07804	0.15819	0.11961	0.40162	0.13942	0.07867	0.07804
4046	496863.09	3854377.25	0.18543	0.06743	0.15603	0.1026	0.42647	0.11136	0.06799	0.06743
4047	497363.09	3854377.25	0.18781	0.06273	0.15351	0.16855	0.46659	0.09887	0.06324	0.06273
4048	497863.09	3854377.25	0.19012	0.06406	0.15202	0.22814	0.48573	0.0961	0.06456	0.06406
4049	498363.09	3854377.25	0.19237	0.06499	0.14986	0.26521	0.48408	0.09472	0.06548	0.06499
4050	471363.09	3854877.25	0.46025	0.12922	0.17262	0.18173	0.80063	0.27517	0.11712	0.12922
4051	471863.09	3854877.25	0.47726	0.12674	0.18838	0.19237	0.82928	0.29085	0.1172	0.12674
4052	472363.09	3854877.25	0.49021	0.12989	0.20206	0.20051	0.81184	0.30172	0.12593	0.12989
4053	472863.09	3854877.25	0.4934	0.13067	0.21288	0.20233	0.7247	0.30544	0.12655	0.13067
4054	473363.09	3854877.25	0.51505	0.14352	0.22007	0.21525	0.68333	0.30334	0.13256	0.14352
4055	473863.09	3854877.25	0.53366	0.15169	0.22273	0.22573	0.60439	0.29335	0.13484	0.15169
4056	474363.09	3854877.25	0.55716	0.1582	0.21998	0.26165	0.75884	0.30464	0.13539	0.1582
4057	474863.09	3854877.25	0.53212	0.10796	0.21116	0.20377	0.65791	0.25157	0.09436	0.10796
4058	475363.09	3854877.25	0.42187	0.10158	0.16481	0.20909	0.40843	0.22576	0.08131	0.10158
4059	475863.09	3854877.25	0.43638	0.09487	0.15337	0.21676	0.38854	0.20363	0.08067	0.09487
4060	476363.09	3854877.25	0.31279	0.08887	0.13998	0.22065	0.5701	0.18172	0.07905	0.08887
4061	476863.09	3854877.25	0.31928	0.09111	0.1359	0.21819	0.78616	0.17636	0.08285	0.09111
4062	477363.09	3854877.25	0.31829	0.11055	0.15302	0.20925	1.0101	0.1754	0.0981	0.11055
4063	477863.09	3854877.25	0.3123	0.11655	0.17648	0.19656	1.19663	0.18837	0.09932	0.11655
4064	478363.09	3854877.25	0.47107	0.12109	0.19228	0.18418	1.28982	0.2089	0.09954	0.12109
4065	478863.09	3854877.25	0.46841	0.14249	0.20278	0.17532	1.24293	0.21849	0.12999	0.14249
4066	479363.09	3854877.25	0.59078	0.16757	0.22846	0.24951	1.2775	0.22095	0.1559	0.16757
4067	479863.09	3854877.25	0.77735	0.18306	0.41651	0.32359	1.49243	0.26154	0.18537	0.18306
4068	480363.09	3854877.25	0.93056	0.1625	0.3915	0.3745	0.99101	0.25468	0.21069	0.1625
4069	480863.09	3854877.25	1.05817	0.17037	0.31129	0.46955	1.26173	0.32267	0.28155	0.17037
4070	481363.09	3854877.25	1.12472	0.3998	0.64232	0.49769	1.38686	0.38414	0.31326	0.3998
4071	481863.09	3854877.25	1.34489	0.42536	0.56634	0.58098	1.52337	0.39382	0.36097	0.42536
4072	482363.09	3854877.25	1.32369	0.7429	1.87135	0.5284	1.51166	1.24099	0.34953	0.7429
4073	482863.09	3854877.25	1.53471	1.32077	3.94156	0.63843	1.21665	1.86959	0.47295	1.32077
4074	483363.09	3854877.25	1.56678	1.56273	17.84058	0.81913	2.18949	1.56343	0.64488	1.56273
4075	483863.09	3854877.25	1.79295	0.74456	7.4313	1.27638	2.79405	0.83011	1.86544	0.74456
4076	484363.09	3854877.25	1.8714	0.31177	2.50488	3.21368	3.17514	2.30519	2.9948	0.31177
4077	484863.09	3854877.25	1.86256	0.35816	1.82235	3.08554	2.48732	1.30288	1.28811	0.35816
4078	485363.09	3854877.25	1.48191	0.44096	1.37175	1.40941	2.21487	0.72231	0.90239	0.44096
4079	485863.09	3854877.25	1.26689	0.38609	0.98357	0.93714	2.73518	0.50578	0.65809	0.38609
4080	486363.09	3854877.25	1.13724	0.5313	0.73112	0.66722	2.2977	0.354	0.53926	0.5313
4081	486863.09	3854877.25	1.09137	0.51996	0.91396	0.4648	1.89852	0.26779	0.52457	0.51996
4082	487363.09	3854877.25	0.96242	0.33294	0.71948	0.42657	3.62608	0.27179	0.33588	0.33294
4083	487863.09	3854877.25	0.67199	0.16562	0.57048	0.37591	1.97604	0.26656	0.21535	0.16562
4084	488363.09	3854877.25	0.65998	0.25548	0.55906	0.37396	1.04873	0.23713	0.26237	0.25548
4085	488863.09	3854877.25	0.66615	0.35556	0.75267	0.35381	2.69922	0.22933	0.36272	0.35556
4086	489363.09	3854877.25	0.61605	0.34625	0.56543	0.35859	1.86157	0.22575	0.35213	0.34625
4087	489863.09	3854877.25	0.56861	0.29634	0.42263	0.30826	1.73003	0.20958	0.29929	0.29634
4088	490363.09	3854877.25	0.49648	0.23447	0.23162	0.22062	0.99965	0.16902	0.23577	0.23447
4089	490863.09	3854877.25	0.45863	0.13731	0.1934	0.1893	1.16366	0.10913	0.14688	0.13731
4090	491363.09	3854877.25	0.47452	0.19374	0.19185	0.16481	0.9779	0.13006	0.22691	0.19374
4091	491863.09	3854877.25	0.4921	0.29254	0.35683	0.28318	2.17943	0.18332	0.313	0.29254
4092	492363.09	3854877.25	0.49201	0.26502	0.34712	0.27719	1.99794	0.18651	0.28294	0.26502
4093	492863.09	3854877.25	0.48578	0.23551	0.41536	0.77411	2.0426	0.19415	0.25523	0.23551
4094	493363.09	3854877.25	0.4771	0.16963	0.38011	0.24979	1.72385	0.17576	0.22827	0.16963
4095	493863.09	3854877.25	0.47091	0.17227	0.33683	0.56364	1.1216	0.18665	0.2039	0.17227
4096	494363.09	3854877.25	0.4573	0.136	0.17675	0.18808	0.68386	0.14507	0.15348	0.136
4097	494863.09	3854877.25	0.22679	0.12555	0.17613	0.2093	0.48345	0.14529	0.12643	0.12555
4098	495363.09	3854877.25	0.2276	0.11076	0.1748	0.13719	0.50188	0.1297	0.11157	0.11076
4099	495863.09	3854877.25	0.22896	0.08802	0.17301	0.10071	0.53681	0.1091	0.08863	0.08802
4100	496363.09	3854877.25	0.23037	0.06853	0.17046	0.18653	0.5428	0.09765	0.06897	0.06853

1.87E+00	4.00E-02	4.07E-06	7.80E-03	2.33E-01	2.12E-02	1.54E-01	1.47E-01	2.18E+00
1.88E+00	3.51E-02	4.01E-06	6.19E-03	1.85E-01	1.93E-02	1.36E-01	1.29E-01	2.13E+00
1.90E+00	3.03E-02	3.96E-06	5.31E-03	1.97E-01	1.54E-02	1.17E-01	1.12E-01	2.15E+00
1.93E+00	2.82E-02	3.89E-06	8.73E-03	2.15E-01	1.37E-02	1.09E-01	1.04E-01	2.20E+00
1.95E+00	2.88E-02	3.86E-06	1.18E-02	2.24E-01	1.33E-02	1.11E-01	1.06E-01	2.23E+00
1.97E+00	2.92E-02	3.80E-06	1.37E-02	2.23E-01	1.31E-02	1.13E-01	1.08E-01	2.26E+00
4.72E+00	5.82E-02	4.38E-06	9.41E-03	3.69E-01	3.80E-02	2.02E-01	2.14E-01	5.18E+00
4.89E+00	5.70E-02	4.78E-06	9.96E-03	3.82E-01	4.02E-02	2.02E-01	2.10E-01	5.38E+00
5.03E+00	5.85E-02	5.13E-06	1.04E-02	3.74E-01	4.17E-02	2.17E-01	2.15E-01	5.51E+00
5.06E+00	5.88E-02	5.40E-06	1.05E-02	3.34E-01	4.22E-02	2.18E-01	2.17E-01	5.51E+00
5.28E+00	6.46E-02	5.58E-06	1.11E-02	3.15E-01	4.19E-02	2.29E-01	2.38E-01	5.70E+00
5.47E+00	6.83E-02	5.65E-06	1.17E-02	2.79E-01	4.06E-02	2.33E-01	2.51E-01	5.85E+00
5.71E+00	7.12E-02	5.58E-06	1.35E-02	3.50E-01	4.21E-02	2.34E-01	2.62E-01	6.16E+00
5.46E+00	4.86E-02	5.36E-06	1.05E-02	3.03E-01	3.48E-02	1.63E-01	1.79E-01	5.84E+00
4.33E+00	4.57E-02	4.18E-06	1.08E-02	1.88E-01	3.12E-02	1.40E-01	1.68E-01	4.57E+00
4.47E+00	4.27E-02	3.89E-06	1.12E-02	1.79E-01	2.82E-02	1.39E-01	1.57E-01	4.72E+00
3.21E+00	4.00E-02	3.55E-06	1.14E-02	2.63E-01	2.51E-02	1.36E-01	1.47E-01	3.54E+00
3.27E+00	4.10E-02	3.45E-06	1.13E-02	3.62E-01	2.44E-02	1.43E-01	1.51E-01	3.70E+00
3.26E+00	4.98E-02	3.88E-06	1.08E-02	4.65E-01	2.42E-02	1.69E-01	1.83E-01	3.80E+00
3.20E+00	5.25E-02	4.48E-06	1.02E-02	5.51E-01	2.60E-02	1.71E-01	1.93E-01	3.82E+00
4.83E+00	5.45E-02	4.88E-06	9.53E-03	5.94E-01	2.89E-02	1.72E-01	2.01E-01	5.49E+00
4.80E+00	6.41E-02	5.14E-06	9.08E-03	5.73E-01	3.02E-02	2.24E-01	2.36E-01	5.47E+00
6.06E+00	7.54E-02	5.80E-06	1.29E-02	5.89E-01	3.05E-02	2.69E-01	2.78E-01	6.76E+00
7.97E+00	8.24E-02	1.06E-05	1.68E-02	6.88E-01	3.62E-02	3.20E-01	3.03E-01	8.81E+00
9.54E+00	7.31E-02	9.93E-06	1.94E-02	4.57E-01	3.52E-02	3.64E-01	2.69E-01	1.02E+01
1.09E+01	7.67E-02	7.90E-06	2.43E-02	5.81E-01	4.46E-02	4.86E-01	2.82E-01	1.18E+01
1.15E+01	1.80E-01	1.63E-05	2.58E-02	6.39E-01	5.31E-02	5.41E-01	6.62E-01	1.23E+01
1.38E+01	1.91E-01	1.44E-05	3.01E-02	7.02E-01	5.44E-02	6.23E-01	7.05E-01	1.47E+01
1.36E+01	3.34E-01	4.75E-05	2.74E-02	6.97E-01	1.72E-01	6.03E-01	1.23E+00	1.42E+01
1.57E+01	5.94E-01	1.00E-04	3.30E-02	5.61E-01	2.58E-01	8.17E-01	2.19E+00	1.58E+01
1.61E+01	7.03E-01	4.53E-04	4.24E-02	1.01E+00	2.16E-01	1.11E+00	2.59E+00	1.66E+01
1.84E+01	3.35E-01	1.89E-04	6.61E-02	1.29E+00	1.15E-01	3.22E+00	1.23E+00	2.22E+01
1.92E+01	1.40E-01	6.35E-05	1.66E-01	1.46E+00	3.19E-01	5.17E+00	5.17E-01	2.59E+01
1.91E+01	1.61E-01	4.62E-05	1.60E-01	1.15E+00	1.80E-01	2.22E+00	5.93E-01	2.24E+01
1.52E+01	1.98E-01	3.48E-05	7.30E-02	1.02E+00	9.99E-02	1.56E+00	7.31E-01	1.74E+01
1.30E+01	1.74E-01	2.50E-05	4.85E-02	1.26E+00	6.99E-02	1.14E+00	6.40E-01	1.50E+01
1.17E+01	2.39E-01	1.85E-05	3.45E-02	1.06E+00	4.89E-02	9.31E-01	8.80E-01	1.31E+01
1.12E+01	2.34E-01	2.32E-05	2.41E-02	8.75E-01	3.70E-02	9.06E-01	8.62E-01	1.24E+01
9.87E+00	1.50E-01	1.83E-05	2.21E-02	1.67E+00	3.76E-02	5.80E-01	5.52E-01	1.18E+01
6.89E+00	7.45E-02	1.45E-05	1.95E-02	9.11E-01	3.69E-02	3.72E-01	2.74E-01	8.03E+00
6.77E+00	1.15E-01	1.42E-05	1.94E-02	4.83E-01	3.28E-02	4.53E-01	4.23E-01	7.45E+00
6.83E+00	1.60E-01	1.91E-05	1.83E-02	1.24E+00	3.17E-02	6.26E-01	5.89E-01	8.32E+00
6.32E+00	1.56E-01	1.43E-05	1.86E-02	8.58E-01	3.12E-02	6.08E-01	5.74E-01	7.41E+00
5.83E+00	1.33E-01	1.07E-05	1.60E-02	7.97E-01	2.90E-02	5.17E-01	4.91E-01	6.83E+00
5.09E+00	1.06E-01	5.88E-06	1.14E-02	4.61E-01	2.34E-02	4.07E-01	3.89E-01	5.71E+00
4.70E+00	6.18E-02	4.91E-06	9.80E-03	5.36E-01	1.51E-02	2.54E-01	2.28E-01	5.35E+00
4.87E+00	8.72E-02	4.87E-06	8.53E-03	4.51E-01	1.80E-02	3.92E-01	3.21E-01	5.50E+00
5.05E+00	1.32E-01	9.05E-06	1.47E-02	1.00E+00	2.53E-02	5.40E-01	4.85E-01	6.28E+00
5.05E+00	1.19E-01	8.81E-06	1.43E-02	9.21E-01	2.58E-02	4.88E-01	4.39E-01	6.17E+00
4.98E+00	1.06E-01	1.05E-05	4.01E-02	9.41E-01	2.68E-02	4.41E-01	3.90E-01	6.15E+00
4.89E+00	7.63E-02	9.64E-06	1.29E-02	7.94E-01	2.43E-02	3.94E-01	2.81E-01	5.91E+00
4.83E+00	7.75E-02	8.54E-06	2.92E-02	5.17E-01	2.58E-02	3.52E-01	2.85E-01	5.54E+00
4.69E+00	6.12E-02	4.48E-06	9.74E-03	3.15E-01	2.01E-02	2.65E-01	2.25E-01	5.13E+00
2.33E+00	5.65E-02	4.47E-06	1.08E-02	2.23E-01	2.01E-02	2.18E-01	2.08E-01	2.65E+00
2.33E+00	4.98E-02	4.43E-06	7.10E-03	2.31E-01	1.79E-02	1.93E-01	1.84E-01	2.65E+00
2.35E+00	3.96E-02	4.39E-06	5.21E-03	2.47E-01	1.51E-02	1.53E-01	1.46E-01	2.66E+00
2.36E+00	3.08E-02	4.32E-06	9.66E-03	2.50E-01	1.35E-02	1.19E-01	1.14E-01	2.67E+00

4101	496863.09	3854877.25	0.23177	0.05973	0.16425	0.23778	0.52316	0.09557	0.06012	0.05973	2.38E+00	2.69E-02	4.17E-06	1.23E-02	2.41E-01	1.32E-02	1.04E-01	9.90E-02	2.67E+00
4102	497363.09	3854877.25	0.23313	0.05455	0.16213	0.27641	0.48396	0.09477	0.05797	0.05455	2.39E+00	2.45E-02	4.11E-06	1.43E-02	2.23E-01	1.31E-02	1.00E-01	9.04E-02	2.68E+00
4103	497863.09	3854877.25	0.23445	0.05432	0.16411	0.26386	0.43226	0.094	0.05745	0.05432	2.40E+00	2.44E-02	4.16E-06	1.37E-02	1.99E-01	1.30E-02	9.92E-02	9.00E-02	2.66E+00
4104	498363.09	3854877.25	0.23574	0.05429	0.16173	0.19226	0.38508	0.09322	0.05621	0.05429	2.42E+00	2.44E-02	4.10E-06	9.95E-03	1.77E-01	1.29E-02	9.70E-02	9.00E-02	2.65E+00
4105	471363.09	3855377.25	0.48125	0.14805	0.11994	0.17928	0.83661	0.19421	0.14684	0.14805	4.93E+00	6.66E-02	3.04E-06	9.28E-03	3.86E-01	2.68E-02	2.54E-01	2.45E-01	5.43E+00
4106	471863.09	3855377.25	0.49907	0.14327	0.12327	0.18113	0.89749	0.21909	0.14071	0.14327	5.12E+00	6.45E-02	3.13E-06	9.38E-03	4.14E-01	3.03E-02	2.43E-01	2.37E-01	5.64E+00
4107	472363.09	3855377.25	0.52428	0.13858	0.14253	0.1906	0.98227	0.24334	0.13405	0.13858	5.38E+00	6.24E-02	3.62E-06	9.87E-03	4.53E-01	3.36E-02	2.31E-01	2.30E-01	5.94E+00
4108	472863.09	3855377.25	0.54107	0.1345	0.16197	0.193	1.00852	0.26581	0.12705	0.1345	5.55E+00	6.05E-02	4.11E-06	9.99E-03	4.65E-01	3.67E-02	2.19E-01	2.23E-01	6.12E+00
4109	473363.09	3855377.25	0.56916	0.13162	0.18074	0.20745	1.07684	0.28674	0.12447	0.13162	5.84E+00	5.92E-02	4.58E-06	1.07E-02	4.96E-01	3.96E-02	2.15E-01	2.18E-01	6.44E+00
4110	473863.09	3855377.25	0.59269	0.13867	0.21561	0.21836	1.09704	0.30442	0.13572	0.13867	6.08E+00	6.24E-02	5.47E-06	1.13E-02	5.06E-01	4.21E-02	2.34E-01	2.30E-01	6.70E+00
4111	474363.09	3855377.25	0.61494	0.14832	0.22608	0.24343	1.16412	0.31738	0.14387	0.14832	6.31E+00	6.68E-02	5.74E-06	1.26E-02	5.36E-01	4.39E-02	2.48E-01	2.46E-01	6.97E+00
4112	474863.09	3855377.25	0.57595	0.12957	0.2244	0.20281	0.89173	0.31844	0.1259	0.12957	5.91E+00	5.83E-02	5.69E-06	1.05E-02	4.11E-01	4.40E-02	2.17E-01	2.15E-01	6.43E+00
4113	475363.09	3855377.25	0.22726	0.12136	0.194	0.19762	0.25782	0.30568	0.09844	0.12136	2.33E+00	5.46E-02	4.92E-06	1.02E-02	1.19E-01	4.23E-02	1.70E-01	2.01E-01	2.53E+00
4114	475863.09	3855377.25	0.22717	0.11847	0.18898	0.19433	0.26619	0.28803	0.09209	0.11847	2.33E+00	5.33E-02	4.79E-06	1.01E-02	1.23E-01	3.98E-02	1.59E-01	1.96E-01	2.52E+00
4115	476363.09	3855377.25	0.24012	0.11475	0.1867	0.19559	0.30216	0.26247	0.08689	0.11475	2.46E+00	5.16E-02	4.74E-06	1.01E-02	1.39E-01	3.63E-02	1.50E-01	1.90E-01	2.66E+00
4116	476863.09	3855377.25	0.25909	0.10968	0.17279	0.20254	0.33185	0.23367	0.081	0.10968	2.66E+00	4.94E-02	4.38E-06	1.05E-02	1.53E-01	3.23E-02	1.40E-01	1.82E-01	2.86E+00
4117	477363.09	3855377.25	0.28234	0.1032	0.16407	0.2137	0.35966	0.20852	0.08689	0.1032	2.90E+00	4.64E-02	4.16E-06	1.11E-02	1.66E-01	2.88E-02	1.50E-01	1.71E-01	3.13E+00
4118	477863.09	3855377.25	0.30488	0.10162	0.15537	0.2249	0.38323	0.19307	0.09585	0.10162	3.13E+00	4.57E-02	3.94E-06	1.16E-02	1.77E-01	2.67E-02	1.65E-01	1.68E-01	3.38E+00
4119	478363.09	3855377.25	0.47124	0.11168	0.18609	0.23077	0.53702	0.20124	0.11259	0.11168	4.83E+00	5.03E-02	4.72E-06	1.19E-02	2.47E-01	2.78E-02	1.94E-01	1.85E-01	5.18E+00
4120	478863.09	3855377.25	0.48785	0.14899	0.20728	0.22757	0.78736	0.21106	0.15105	0.14899	5.00E+00	6.71E-02	5.26E-06	1.18E-02	3.63E-01	2.92E-02	2.61E-01	2.47E-01	5.49E+00
4121	479363.09	3855377.25	0.65109	0.14446	0.22607	0.22231	1.29925	0.25181	0.14699	0.14446	6.68E+00	6.50E-02	5.73E-06	1.15E-02	5.99E-01	3.48E-02	2.54E-01	2.39E-01	7.40E+00
4122	479863.09	3855377.25	0.79974	0.16305	0.25749	0.28229	1.47933	0.22624	0.16649	0.16305	8.20E+00	7.34E-02	6.53E-06	1.46E-02	6.82E-01	3.13E-02	2.87E-01	2.70E-01	9.02E+00
4123	480363.09	3855377.25	1.10636	0.18848	0.55185	0.35245	2.89761	0.27833	0.17352	0.18848	1.13E+01	8.48E-02	1.40E-05	1.82E-02	1.34E+00	3.85E-02	3.00E-01	3.12E-01	1.28E+01
4124	480863.09	3855377.25	1.24824	0.23604	0.94455	0.42952	2.83585	0.31585	0.23375	0.23604	1.28E+01	1.06E-01	2.40E-05	2.22E-02	1.31E+00	4.37E-02	4.04E-01	3.91E-01	1.43E+01
4125	481363.09	3855377.25	1.22024	0.27475	1.506	0.42234	2.4361	0.44898	0.25926	0.27475	1.25E+01	1.24E-01	3.82E-05	2.19E-02	1.12E+00	6.21E-02	4.48E-01	4.55E-01	1.38E+01
4126	481863.09	3855377.25	1.28455	0.41168	1.88243	0.44496	1.58679	0.58563	0.26342	0.41168	1.32E+01	1.85E-01	4.78E-05	2.30E-02	7.31E-01	8.10E-02	4.55E-01	6.82E-01	1.40E+01
4127	482363.09	3855377.25	1.54892	0.58339	2.45593	0.45265	1.32998	0.75023	0.31655	0.58339	1.59E+01	2.63E-01	6.23E-05	2.34E-02	6.13E-01	1.04E-01	5.47E-01	9.67E-01	1.65E+01
4128	482863.09	3855377.25	1.80293	0.75288	2.74385	0.5023	1.59655	1.03783	0.38538	0.75288	1.85E+01	3.39E-01	6.96E-05	2.60E-02	7.36E-01	1.43E-01	6.65E-01	1.25E+00	1.91E+01
4129	483363.09	3855377.25	1.58368	1.30185	3.07235	0.5659	1.90624	2.53599	0.4985	1.30185	1.62E+01	5.86E-01	7.79E-05	2.93E-02	8.78E-01	3.51E-01	8.61E-01	2.16E+00	1.68E+01
4130	483863.09	3855377.25	1.72559	2.06813	2.92534	0.69292	1.7536	0.94995	0.59269	2.06813	1.77E+01	9.31E-01	7.42E-05	3.59E-02	8.08E-01	1.31E-01	1.02E+00	3.43E+00	1.72E+01
4131	484363.09	3855377.25	1.72231	0.60918	3.17979	1.04002	3.08067	0.63363	1.32189	0.60918	1.77E+01	2.74E-01	8.07E-05	5.38E-02	1.42E+00	8.76E-02	2.28E+00	1.01E+00	2.08E+01
4132	484863.09	3855377.25	1.91618	0.39195	1.77574	1.76407	4.29393	1.00877	1.14795	0.39195	1.96E+01	1.76E-01	4.50E-05	9.13E-02	1.98E+00	1.39E-01	1.98E+00	6.49E-01	2.34E+01
4133	485363.09	3855377.25	1.95647	0.38334	1.5879	4.69289	3.01257	1.90936	1.69188	0.38334	2.01E+01	1.73E-01	4.03E-05	2.43E-01	1.39E+00	2.64E-01	2.92E+00	6.35E-01	2.44E+01
4134	485863.09	3855377.25	1.6116	0.38763	1.29231	1.56804	4.05847	1.014	0.96355	0.38763	1.65E+01	1.74E-01	3.28E-05	8.12E-02	1.87E+00	1.40E-01	1.66E+00	6.42E-01	1.98E+01
4135	486363.09	3855377.25	1.47548	0.45078	1.12475	1.09073	3.33046	0.65553	0.64292	0.45078	1.51E+01	2.03E-01	2.85E-05	5.65E-02	1.53E+00	9.06E-02	1.11E+00	7.47E-01	1.74E+01
4136	486863.09	3855377.25	1.30326	0.4233	0.79912	0.71754	3.10267	0.41018	0.43353	0.4233	1.34E+01	1.91E-01	2.03E-05	3.71E-02	1.43E+00	5.67E-02	7.48E-01	7.01E-01	1.51E+01
4137	487363.09	3855377.25	1.12403	0.50672	0.97505	0.58858	5.72547	0.35599	0.51635	0.50672	1.15E+01	2.28E-01	2.47E-05	3.05E-02	2.64E+00	4.92E-02	8.91E-01	8.40E-01	1.45E+01
4138	487863.09	3855377.25	0.8906	0.46826	0.91292	0.47087	3.1515	0.30037	0.47376	0.46826	9.13E+00	2.11E-01	2.32E-05	2.44E-02	1.45E+00	4.15E-02	8.18E-01	7.76E-01	1.09E+01
4139	488363.09	3855377.25	0.87496	0.2964	1.0156	0.57206	2.85884	0.30049	0.29981	0.2964	8.97E+00	1.33E-01	2.58E-05	2.96E-02	1.32E+00	4.15E-02	5.18E-01	4.91E-01	1.05E+01
4140	488863.09	3855377.25	0.817	0.18134	0.88139	0.43444	4.0489	0.28937	0.21087	0.18134	8.38E+00	8.16E-02	2.24E-05	2.25E-02	1.87E+00	4.00E-02	3.64E-01	3.00E-01	1.05E+01
4141	489363.09	3855377.25	0.7462	0.24301	0.73405	0.40948	3.38004	0.27321	0.24623	0.24301	7.65E+00	1.09E-01	1.86E-05	2.12E-02	1.56E+00	3.78E-02	4.25E-01	4.03E-01	9.40E+00
4142	489863.09	3855377.25	0.74287	0.30415	0.6116	0.39119	2.86925	0.253	0.3075	0.30415	7.62E+00	1.37E-01	1.55E-05	2.03E-02	1.32E+00	3.50E-02	5.31E-01	5.04E-01	9.16E+00
4143	490363.09	3855377.25	0.69284	0.30747	0.54355	0.39856	3.13937	0.24579	0.3104	0.30747	7.10E+00	1.38E-01	1.38E-05	2.06E-02	1.45E+00	3.40E-02	5.36E-01	5.09E-01	8.77E+00
4144	490863.09	3855377.25	0.52909	0.27838	0.22021	0.22193	1.57208	0.15853	0.27919	0.27838	5.43E+00	1.25E-01	5.59E-06	1.15E-02	7.24E-01	2.19E-02	4.82E-01	4.61E-01	6.33E+00
4145	491363.09	3855377.25	0.52773	0.21326	0.20291	0.19552	1.39516	0.11791	0.21447	0.21326	5.41E+00	9.60E-02	5.15E-06	1.01E-02	6.43E-01	1.63E-02	3.70E-01	3.53E-01	6.19E+00
4146	491863.09	3855377.25	0.57367	0.25518	0.40103	0.39297	2.22752	0.20312	0.25888	0.25518	5.88E+00	1.15E-01	1.02E-05	2.03E-02	1.03E+00	2.81E-02	4.47E-01	4.23E-01	7.10E+00
4147	492363.09	3855377.25	0.58197	0.27867	0.35422	0.5944	2.07541	0.2387	0.28218	0.27867	5.97E+00	1.25E-01	8.99E-06	3.08E-02	9.56E-01	3.30E-02	4.87E-01	4.62E-01	7.14E+00
4148	492863.09	3855377.25	0.57281	0.28462	0.3528	0.44873	1.71043	0.22848	0.28787	0.28462	5.87E+00	1.28E-01	8.95E-06	2.32E-02	7.88E-01	3.16E-02	4.97E-01	4.72E-01	6.87E+00
4149	493363.09	3855377.25	0.5656	0.22788	0.2465	0.70329	1.83342	0.17187	0.2823	0.22788	5.80E+00	1.03E-01	6.25E-06	3.64E-02	8.45E-01	2.38E-02	4.87E-01	3.78E-01	6.92E+00
4150	493863.09	3855377.25	0.54997	0.20053	0.196	0.33481	1.16634	0.17683	0.21366	0.20053	5.64E+00	9.02E-02	4.97E-06	1.73E-02	5.37E-01	2.44E-02	3.69E-01	3.32E-01	6.35E+00
4151	494363.09	3855377.25	0.27408	0.15071	0.19252	0.1998	0.66632	0.12882	0.15055	0.15071	2.81E+00	6.78E-02	4.88E-06	1.03E-02	3.07E-01	1.78E-02	2.60E-01	2.50E-01	3.22E+00
4152	494863.09	3855377.25	0.26312	0.09999	0.18813	0.11289	0.59971	0.10643	0.09955	0.09999	2.70E+00	4.50E-02	4.77E-06	5.84E-03	2.76E-01	1.47E-02	1.72E-01	1.66E-01	3.05E+00
4153	495363.09	3855377.25	0.26003	0.07381	0.18248	0.20663	0.5525	0.09891	0.07394	0.07381	2.67E+00	3.32E-02	4.63E-06	1.07E-02	2.55E-01	1.37E-02	1.28E-01	1.22E-01	2.98E+00
4154	495863.09	3855377.25	0.26011	0.06526	0.17174	0.2462	0.48689	0.09782	0.06571	0.06526	2.67E+00	2.94E-02	4.36E-06	1.27E-02	2.24E-01	1.35E-02	1.13E-01	1.08E-01	2.95E+00
4155	496363.09	3855377.25	0.26079	0.06536	0.16708	0.28854	0.43654	0.09713	0.06581	0.06536	2.67E+00	2.94E-02	4.24E-06	1.49E-02	2.01E-01	1.34E-02	1.14E-01	1.08E-01	2.94E+00
4156	496863.09	3855377.25	0.26143	0.06402	0.15997	0.26637	0.42065	0.09643	0.06444	0.06402	2.68E+00	2.88E-02	4.06E-06	1.38E-02	1.94E-01	1.33E-02	1.11E-01	1.06E-01	2.94E+00
4157	497363.09	3855377.25	0.26201	0.0678	0.15825	0.18063	0.39376	0.09608	0.0682	0.0678	2.69E+00	3.05E-02	4.01E-06	9.35E-03	1.81E-01	1.33E-02	1.18E-01	1.12E-01	2.93E+00

4158	497863.09	3855377.25	0.26249	0.0692	0.15796	0.1215	0.35961	0.09687	0.06963	0.0692	2.69E+00	3.11E-02	4.01E-06	6.29E-03	1.66E-01	1.34E-02	1.20E-01	1.15E-01	2.91E+00
4159	498363.09	3855377.25	0.26287	0.06561	0.15418	0.1072	0.34741	0.09634	0.06603	0.06561	2.70E+00	2.95E-02	3.91E-06	5.55E-03	1.60E-01	1.33E-02	1.14E-01	1.09E-01	2.91E+00
4160	471363.09	3855877.25	0.43931	0.15362	0.12201	0.22119	0.86938	0.14611	0.15461	0.15362	4.50E+00	6.91E-02	3.10E-06	1.15E-02	4.01E-01	2.02E-02	2.67E-01	2.55E-01	5.02E+00
4161	471863.09	3855877.25	0.45548	0.15904	0.13216	0.22206	0.91211	0.14297	0.1599	0.15904	4.67E+00	7.16E-02	3.35E-06	1.15E-02	4.20E-01	1.98E-02	2.76E-01	2.64E-01	5.21E+00
4162	472363.09	3855877.25	0.483	0.16011	0.15189	0.23311	0.9909	0.15171	0.1608	0.16011	4.95E+00	7.21E-02	3.85E-06	1.21E-02	4.57E-01	2.10E-02	2.78E-01	2.65E-01	5.53E+00
4163	472863.09	3855877.25	0.49866	0.15708	0.15184	0.22621	0.99301	0.17249	0.15729	0.15708	5.11E+00	7.07E-02	3.85E-06	1.17E-02	4.58E-01	2.38E-02	2.72E-01	2.60E-01	5.69E+00
4164	473363.09	3855877.25	0.53235	0.15198	0.17013	0.23933	1.06436	0.19941	0.15158	0.15198	5.46E+00	6.84E-02	4.32E-06	1.24E-02	4.91E-01	2.76E-02	2.62E-01	2.52E-01	6.07E+00
4165	473863.09	3855877.25	0.56099	0.14606	0.17492	0.24426	1.0881	0.22621	0.14451	0.14606	5.75E+00	6.57E-02	4.44E-06	1.26E-02	5.01E-01	3.13E-02	2.49E-01	2.42E-01	6.37E+00
4166	474363.09	3855877.25	0.58838	0.14446	0.18204	0.2439	1.0688	0.25176	0.13724	0.14446	6.03E+00	6.50E-02	4.62E-06	1.26E-02	4.93E-01	3.48E-02	2.37E-01	2.39E-01	6.64E+00
4167	474863.09	3855877.25	0.5512	0.13559	0.16861	0.18395	0.78812	0.27361	0.12897	0.13559	5.65E+00	6.10E-02	4.28E-06	9.52E-03	3.63E-01	3.78E-02	2.23E-01	2.25E-01	6.12E+00
4168	475363.09	3855877.25	0.30868	0.13189	0.1602	0.20127	0.31397	0.29365	0.12103	0.13189	3.17E+00	5.94E-02	4.06E-06	1.04E-02	1.45E-01	4.06E-02	2.09E-01	2.19E-01	3.41E+00
4169	475863.09	3855877.25	0.2106	0.12977	0.16168	0.21152	0.22992	0.31088	0.11345	0.12977	2.16E+00	5.84E-02	4.10E-06	1.09E-02	1.06E-01	4.30E-02	1.96E-01	2.15E-01	2.36E+00
4170	476363.09	3855877.25	0.21225	0.12808	0.17348	0.21285	0.23565	0.32345	0.10509	0.12808	2.18E+00	5.76E-02	4.40E-06	1.10E-02	1.09E-01	4.47E-02	1.81E-01	2.12E-01	2.37E+00
4171	476863.09	3855877.25	0.21336	0.12627	0.19074	0.20717	0.28916	0.32789	0.10327	0.12627	2.19E+00	5.68E-02	4.84E-06	1.07E-02	1.33E-01	4.53E-02	1.78E-01	2.09E-01	2.40E+00
4172	477363.09	3855877.25	0.24096	0.1242	0.19989	0.1989	0.28188	0.32046	0.09844	0.1242	2.47E+00	5.59E-02	5.07E-06	1.03E-02	1.30E-01	4.43E-02	1.70E-01	2.06E-01	2.68E+00
4173	477863.09	3855877.25	0.36684	0.12176	0.20424	0.19322	0.28948	0.30048	0.09264	0.12176	3.76E+00	5.48E-02	5.18E-06	1.00E-02	1.33E-01	4.15E-02	1.60E-01	2.02E-01	3.96E+00
4174	478363.09	3855877.25	0.38864	0.12325	0.20301	0.19424	0.30671	0.27214	0.12475	0.12325	3.99E+00	5.55E-02	5.15E-06	1.01E-02	1.41E-01	3.76E-02	2.15E-01	2.04E-01	4.24E+00
4175	478863.09	3855877.25	0.51382	0.15357	0.20488	0.20357	0.47499	0.24477	0.15579	0.15357	5.27E+00	6.91E-02	5.20E-06	1.05E-02	2.19E-01	3.38E-02	2.69E-01	2.54E-01	5.62E+00
4176	479363.09	3855877.25	0.73515	0.177	0.23166	0.21957	0.80346	0.23046	0.18008	0.177	7.54E+00	7.97E-02	5.88E-06	1.14E-02	3.70E-01	3.19E-02	3.11E-01	2.93E-01	8.05E+00
4177	479863.09	3855877.25	0.93186	0.1562	0.25963	0.3073	1.05565	0.26664	0.14016	0.1562	9.56E+00	7.03E-02	6.59E-06	1.59E-02	4.86E-01	3.69E-02	2.42E-01	2.59E-01	1.01E+01
4178	480363.09	3855877.25	1.11256	0.16425	0.61329	0.36297	1.64066	0.28769	0.19096	0.16425	1.14E+01	7.39E-02	1.56E-05	1.88E-02	7.56E-01	3.98E-02	3.30E-01	2.72E-01	1.24E+01
4179	480863.09	3855877.25	1.24116	0.22472	0.74836	0.48265	2.20845	0.34102	0.2116	0.22472	1.27E+01	1.01E-01	1.90E-05	2.50E-02	1.02E+00	4.71E-02	3.65E-01	3.72E-01	1.39E+01
4180	481363.09	3855877.25	1.37049	0.2361	0.81075	0.45208	2.29312	0.343	0.2181	0.2361	1.41E+01	1.06E-01	2.06E-05	2.34E-02	1.06E+00	4.74E-02	3.77E-01	3.91E-01	1.53E+01
4181	481863.09	3855877.25	1.25073	0.35424	1.81042	0.44307	3.03743	0.51407	0.24054	0.35424	1.28E+01	1.59E-01	4.59E-05	2.29E-02	1.40E+00	7.11E-02	4.15E-01	5.87E-01	1.43E+01
4182	482363.09	3855877.25	1.38963	0.41589	1.463	0.43928	3.00294	0.65739	0.24389	0.41589	1.42E+01	1.87E-01	3.71E-05	2.27E-02	1.38E+00	9.09E-02	4.21E-01	6.89E-01	1.57E+01
4183	482863.09	3855877.25	1.82447	0.50457	1.97224	0.47949	2.89851	0.82076	0.2692	0.50457	1.87E+01	2.27E-01	5.00E-05	2.48E-02	1.34E+00	1.13E-01	4.65E-01	8.36E-01	2.00E+01
4184	483363.09	3855877.25	1.83301	0.81731	1.72134	0.52597	2.2416	1.18524	0.37699	0.81731	1.88E+01	3.68E-01	4.37E-05	2.72E-02	1.03E+00	1.64E-01	6.51E-01	1.35E+00	1.97E+01
4185	483863.09	3855877.25	1.79011	1.08973	2.91131	0.58828	1.81471	3.48232	0.42911	1.08973	1.84E+01	4.90E-01	7.39E-05	3.05E-02	8.36E-01	4.81E-01	7.41E-01	1.81E+00	1.91E+01
4186	484363.09	3855877.25	1.85828	2.91805	4.25141	0.72304	2.4337	0.98272	0.57728	2.91805	1.91E+01	1.31E+00	1.08E-04	3.74E-02	1.12E+00	1.36E-01	9.97E-01	4.84E+00	1.78E+01
4187	484863.09	3855877.25	1.61681	0.74917	4.38918	1.02164	2.8132	0.88322	0.92358	0.74917	1.66E+01	3.37E-01	1.11E-04	5.29E-02	1.30E+00	1.22E-01	1.59E+00	1.24E+00	1.87E+01
4188	485363.09	3855877.25	2.03111	0.47124	5.85862	1.54904	4.4058	0.90426	1.13817	0.47124	2.08E+01	2.12E-01	1.49E-04	8.02E-02	2.03E+00	1.25E-01	1.97E+00	7.81E-01	2.45E+01
4189	485863.09	3855877.25	2.13126	0.36495	3.59943	10.48189	5.56537	2.68725	2.05527	0.36495	2.19E+01	1.64E-01	9.13E-05	5.43E-01	2.56E+00	3.72E-01	3.55E+00	6.05E-01	2.84E+01
4190	486363.09	3855877.25	1.77415	0.33156	1.75353	1.71208	6.33663	1.00874	0.80132	0.33156	1.82E+01	1.49E-01	4.45E-05	8.86E-02	2.92E+00	1.39E-01	1.38E+00	5.49E-01	2.23E+01
4191	486863.09	3855877.25	1.5994	0.41336	1.06007	0.90376	6.62147	0.61085	0.76633	0.41336	1.64E+01	1.86E-01	2.69E-05	4.68E-02	3.05E+00	8.45E-02	1.32E+00	6.85E-01	2.04E+01
4192	487363.09	3855877.25	1.32391	0.36129	1.05901	0.78256	8.87355	0.51333	0.61661	0.36129	1.36E+01	1.63E-01	2.69E-05	4.05E-02	4.09E+00	7.10E-02	1.06E+00	5.99E-01	1.84E+01
4193	487863.09	3855877.25	1.04208	0.41164	0.92979	0.70124	7.11725	0.46719	0.4271	0.41164	1.07E+01	1.85E-01	2.36E-05	3.63E-02	3.28E+00	6.46E-02	7.37E-01	6.82E-01	1.43E+01
4194	488363.09	3855877.25	0.99783	0.40692	0.95771	0.80528	7.15487	0.41313	0.41403	0.40692	1.02E+01	1.83E-01	2.43E-05	4.17E-02	3.30E+00	5.71E-02	7.15E-01	6.74E-01	1.39E+01
4195	488863.09	3855877.25	0.90333	0.3519	0.94761	0.6513	5.24545	0.44336	0.3574	0.3519	9.26E+00	1.58E-01	2.40E-05	3.37E-02	2.42E+00	6.13E-02	6.17E-01	5.83E-01	1.20E+01
4196	489363.09	3855877.25	0.84465	0.2359	0.89934	0.49768	4.45391	0.30974	0.24564	0.2359	8.66E+00	1.06E-01	2.28E-05	2.58E-02	2.05E+00	4.28E-02	4.24E-01	3.91E-01	1.09E+01
4197	489863.09	3855877.25	0.85421	0.18133	0.83375	0.48342	4.78109	0.33536	0.19762	0.18133	8.76E+00	8.16E-02	2.12E-05	2.50E-02	2.20E+00	4.64E-02	3.41E-01	3.00E-01	1.12E+01
4198	490363.09	3855877.25	0.71614	0.22064	0.77497	0.50274	4.25617	0.30426	0.22238	0.22064	7.34E+00	9.93E-02	1.97E-05	2.60E-02	1.96E+00	4.21E-02	3.84E-01	3.66E-01	9.49E+00
4199	490863.09	3855877.25	0.57624	0.25934	0.65116	0.61173	3.52478	0.24791	0.26099	0.25934	5.91E+00	1.17E-01	1.65E-05	3.17E-02	1.62E+00	3.43E-02	4.51E-01	4.30E-01	7.74E+00
4200	491363.09	3855877.25	0.61352	0.29622	0.54519	0.46292	2.53143	0.22366	0.29739	0.29622	6.29E+00	1.33E-01	1.38E-05	2.40E-02	1.17E+00	3.09E-02	5.13E-01	4.91E-01	7.67E+00
4201	491863.09	3855877.25	0.59237	0.2512	0.61585	0.55539	3.17024	0.28347	0.25197	0.2512	6.07E+00	1.13E-01	1.56E-05	2.88E-02	1.46E+00	3.92E-02	4.35E-01	4.16E-01	7.73E+00
4202	492363.09	3855877.25	0.62168	0.22296	0.47105	1.46706	2.90824	0.23593	0.22532	0.22296	6.37E+00	1.00E-01	1.19E-05	7.59E-02	1.34E+00	3.26E-02	3.89E-01	3.69E-01	7.94E+00
4203	492863.09	3855877.25	0.61924	0.22455	0.44276	1.03992	2.46577	0.20844	0.2224	0.22455	6.35E+00	1.01E-01	1.12E-05	5.38E-02	1.14E+00	2.88E-02	3.84E-01	3.72E-01	7.68E+00
4204	493363.09	3855877.25	0.59579	0.16511	0.21785	0.48805	1.5166	0.15791	0.21663	0.16511	6.11E+00	7.43E-02	5.53E-06	2.53E-02	6.99E-01	2.18E-02	3.74E-01	2.74E-01	7.03E+00
4205	493863.09	3855877.25	0.58236	0.14394	0.16959	0.2294	1.09211	0.10628	0.14199	0.14394	5.97E+00	6.48E-02	4.30E-06	1.19E-02	5.03E-01	1.47E-02	2.45E-01	2.38E-01	6.57E+00
4206	494363.09	3855877.25	0.29303	0.10716	0.16107	0.22177	0.49529	0.10458	0.10468	0.10716	3.00E+00	4.82E-02	4.09E-06	1.15E-02	2.28E-01	1.45E-02	1.81E-01	1.78E-01	3.31E+00
4207	494863.09	3855877.25	0.28199	0.07915	0.15217	0.25741	0.46043	0.10463	0.07642	0.07915	2.89E+00	3.56E-02	3.86E-06	1.33E-02	2.12E-01	1.45E-02	1.32E-01	1.31E-01	3.17E+00
4208	495363.09	3855877.25	0.27644	0.06211	0.13577	0.30053	0.41406	0.10658	0.05928	0.06211	2.83E+00	2.80E-02	3.44E-06	1.56E-02	1.91E-01	1.47E-02	1.02E-01	1.03E-01	3.08E+00
4209	495863.09	3855877.25	0.27573	0.06174	0.12982	0.26709	0.37873	0.10586	0.0589	0.06174	2.83E+00	2.78E-02	3.29E-06	1.38E-02	1.75E-01	1.46E-02	1.02E-01	1.02E-01	3.06E+00
4210	496363.09	3855877.25	0.27486	0.06163	0.12456	0.16559	0.36665	0.10363	0.05879	0.06163	2.82E+00	2.77E-02	3.16E-06	8.57E-03	1.69E-01	1.43E-02	1.02E-01	1.02E-01	3.04E+00
4211	496863.09	3855877.25	0.27391	0.0629	0.12064	0.11678	0.34919	0.10142	0.06006	0.0629	2.81E+00	2.83E-02	3.06E-06	6.05E-03	1.61E-01	1.40E-02	1.04E-01	1.04E-01	3.02E+00
4212	497363.09	3855877.25	0.27284	0.06656	0.12669	0.12514	0.35764	0.0988	0.06687	0.06656	2.80E+00	3.00E-02	3.21E-06	6.48E-03	1.65E-01	1.37E-02	1.15E-01	1.10E-01	3.02E+00
4213	497863.09	3855877.25	0.27164	0.07454	0.11833	0.13436	0.3428	0.09753	0.07507	0.07454	2.79E+00	3.35E-02	3.00E-06	6.96E-03	1.58E-01	1.35E-02	1.30E-01	1.24E-01	3.00E+00
4214	498363.09	3855877.25	0.27042	0.08297	0.1162	0.14126	0.38362	0.11668	0.08352	0.08297	2.77E+00	3.73E-02	2.95E-06	7.31E-03	1.77E-01	1.61E-02	1.44E-01	1.37E-01	3.02E+00

4215	471363.09	3856377.25	0.41734	0.09927	0.12166	0.21144	0.62382	0.18171	0.10031	0.09927
4216	471863.09	3856377.25	0.42816	0.11867	0.12206	0.22032	0.62373	0.17976	0.11981	0.11867
4217	472363.09	3856377.25	0.44443	0.13705	0.13059	0.23787	0.64786	0.18707	0.1383	0.13705
4218	472863.09	3856377.25	0.46318	0.15248	0.13888	0.25894	0.68481	0.19759	0.15382	0.15248
4219	473363.09	3856377.25	0.4812	0.16322	0.14843	0.27552	0.71533	0.20137	0.16454	0.16322
4220	473863.09	3856377.25	0.50524	0.16856	0.18839	0.30195	0.79083	0.21983	0.16987	0.16856
4221	474363.09	3856377.25	0.51751	0.16747	0.18211	0.29392	0.78033	0.19109	0.1685	0.16747
4222	474863.09	3856377.25	0.52052	0.16196	0.18421	0.26987	0.78122	0.17543	0.16253	0.16196
4223	475363.09	3856377.25	0.45703	0.15373	0.15995	0.19771	0.60107	0.20389	0.15346	0.15373
4224	475863.09	3856377.25	0.27535	0.14542	0.12931	0.13595	0.44406	0.2317	0.14409	0.14542
4225	476363.09	3856377.25	0.28982	0.13945	0.14265	0.16487	0.44575	0.25763	0.13646	0.13945
4226	476863.09	3856377.25	0.30326	0.1358	0.16644	0.19273	0.44626	0.28148	0.1301	0.1358
4227	477363.09	3856377.25	0.31522	0.13386	0.1724	0.21408	0.44521	0.30353	0.12403	0.13386
4228	477863.09	3856377.25	0.21224	0.13244	0.17557	0.2243	0.44072	0.32304	0.11676	0.13244
4229	478363.09	3856377.25	0.21256	0.13082	0.18357	0.22243	0.39557	0.33814	0.10801	0.13082
4230	478863.09	3856377.25	0.34416	0.1292	0.21086	0.21202	0.42941	0.34573	0.12711	0.1292
4231	479363.09	3856377.25	0.54168	0.15788	0.2762	0.19933	0.6386	0.34081	0.16019	0.15788
4232	479863.09	3856377.25	0.96135	0.17266	0.2795	0.29092	1.52381	0.38164	0.15537	0.17266
4233	480363.09	3856377.25	1.13869	0.18223	0.44167	0.374	2.46443	0.40513	0.17919	0.18223
4234	480863.09	3856377.25	1.23352	0.17846	0.78668	0.42476	2.94936	0.37108	0.19504	0.17846
4235	481363.09	3856377.25	1.26976	0.24369	1.10007	0.46487	3.12346	0.40778	0.2379	0.24369
4236	481863.09	3856377.25	1.24443	0.31822	1.65745	0.53176	2.97347	0.50342	0.26161	0.31822
4237	482363.09	3856377.25	1.33842	0.35571	1.67228	0.52759	2.84784	0.57187	0.25571	0.35571
4238	482863.09	3856377.25	1.59302	0.41383	2.93508	0.50486	2.82061	0.65328	0.24654	0.41383
4239	483363.09	3856377.25	2.05417	0.52573	2.25254	0.506	2.79791	0.80491	0.26711	0.52573
4240	483863.09	3856377.25	1.86342	0.67835	3.40936	0.55194	3.06429	1.11202	0.2865	0.67835
4241	484363.09	3856377.25	2.06236	1.03035	4.62727	0.60871	3.39754	3.56601	0.457	1.03035
4242	484863.09	3856377.25	1.93212	3.37768	4.69221	0.7065	3.67982	1.08587	0.55735	3.37768
4243	485363.09	3856377.25	1.77645	1.0493	3.66912	0.90601	3.31987	1.13228	0.82437	1.0493
4244	485863.09	3856377.25	2.10444	0.55851	2.43417	1.31322	4.74925	0.81278	1.08505	0.55851
4245	486363.09	3856377.25	2.35965	0.35388	1.51622	5.17865	9.28034	3.75088	2.03447	0.35388
4246	486863.09	3856377.25	1.81622	0.34725	1.23496	1.96073	10.5824	1.08169	0.96302	0.34725
4247	487363.09	3856377.25	1.4989	0.37948	1.06373	1.03703	13.5865	0.76695	0.61955	0.37948
4248	487863.09	3856377.25	1.17661	0.40089	1.05357	0.81097	17.7083	0.74375	0.58652	0.40089
4249	488363.09	3856377.25	1.0481	0.32449	0.95613	1.12775	9.00823	0.53154	0.44028	0.32449
4250	488863.09	3856377.25	0.93963	0.33601	1.0533	1.23051	7.71668	0.49163	0.36215	0.33601
4251	489363.09	3856377.25	0.92308	0.33144	1.57754	0.68314	6.41907	0.50154	0.33788	0.33144
4252	489863.09	3856377.25	0.88785	0.27287	0.68835	0.65831	5.22972	0.44946	0.27736	0.27287
4253	490363.09	3856377.25	0.69311	0.19461	0.64061	0.77003	4.7826	0.35774	0.21887	0.19461
4254	490863.09	3856377.25	0.59807	0.17621	0.60228	0.73756	4.71073	0.36286	0.19565	0.17621
4255	491363.09	3856377.25	0.59036	0.19519	0.73002	0.88384	4.83785	0.32607	0.19623	0.19519
4256	491863.09	3856377.25	0.59432	0.22833	0.71174	0.89644	4.58542	0.31065	0.22924	0.22833
4257	492363.09	3856377.25	0.61938	0.26163	0.44247	1.23981	3.90317	0.2554	0.26209	0.26163
4258	492863.09	3856377.25	0.59387	0.27958	0.31114	1.03125	2.32678	0.19888	0.27968	0.27958
4259	493363.09	3856377.25	0.56316	0.18655	0.18512	0.29317	0.90081	0.11912	0.1914	0.18655
4260	493863.09	3856377.25	0.27995	0.11577	0.16553	0.27672	0.66057	0.11961	0.11417	0.11577
4261	494363.09	3856377.25	0.27344	0.07996	0.11953	0.31037	0.72745	0.11871	0.08019	0.07996
4262	494863.09	3856377.25	0.26845	0.06294	0.10299	0.26587	0.78669	0.11574	0.05928	0.06294
4263	495363.09	3856377.25	0.26532	0.06172	0.09422	0.14722	0.83797	0.11146	0.058	0.06172
4264	495863.09	3856377.25	0.26291	0.06189	0.10938	0.13582	0.88183	0.10595	0.05811	0.06189
4265	496363.09	3856377.25	0.26068	0.06273	0.12856	0.1492	0.91796	0.10268	0.05888	0.06273
4266	496863.09	3856377.25	0.25906	0.06641	0.10202	0.15706	0.94713	0.10235	0.06248	0.06641
4267	497363.09	3856377.25	0.25739	0.07197	0.07805	0.15627	0.96986	0.10227	0.06798	0.07197
4268	497863.09	3856377.25	0.25588	0.08254	0.08213	0.14792	0.98675	0.11756	0.0785	0.08254
4269	498363.09	3856377.25	0.25378	0.09368	0.08385	0.13954	0.99828	0.31022	0.08961	0.09368
4270	471363.09	3856877.25	0.37496	0.09887	0.13446	0.18001	0.65616	0.1879	0.10035	0.09887
4271	471863.09	3856877.25	0.384	0.09798	0.13703	0.17906	0.67737	0.18415	0.09941	0.09798

4.28E+00	4.47E-02	3.09E-06	1.09E-02	2.87E-01	2.51E-02	1.73E-01	1.64E-01	4.66E+00
4.39E+00	5.34E-02	3.10E-06	1.14E-02	2.87E-01	2.49E-02	2.07E-01	1.97E-01	4.78E+00
4.56E+00	6.17E-02	3.31E-06	1.23E-02	2.99E-01	2.59E-02	2.39E-01	2.27E-01	4.97E+00
4.75E+00	6.86E-02	3.52E-06	1.34E-02	3.16E-01	2.73E-02	2.66E-01	2.53E-01	5.19E+00
4.93E+00	7.35E-02	3.77E-06	1.43E-02	3.30E-01	2.78E-02	2.84E-01	2.70E-01	5.39E+00
5.18E+00	7.59E-02	4.78E-06	1.56E-02	3.64E-01	3.04E-02	2.93E-01	2.79E-01	5.68E+00
5.31E+00	7.54E-02	4.62E-06	1.52E-02	3.60E-01	2.64E-02	2.91E-01	2.77E-01	5.80E+00
5.34E+00	7.29E-02	4.67E-06	1.40E-02	3.60E-01	2.43E-02	2.81E-01	2.68E-01	5.82E+00
4.69E+00	6.92E-02	4.06E-06	1.02E-02	2.77E-01	2.82E-02	2.65E-01	2.55E-01	5.08E+00
2.82E+00	6.54E-02	3.28E-06	7.04E-03	2.05E-01	3.20E-02	2.49E-01	2.41E-01	3.14E+00
2.97E+00	6.28E-02	3.62E-06	8.53E-03	2.05E-01	3.56E-02	2.36E-01	2.31E-01	3.29E+00
3.11E+00	6.11E-02	4.22E-06	9.98E-03	2.06E-01	3.89E-02	2.25E-01	2.25E-01	3.42E+00
3.23E+00	6.02E-02	4.37E-06	1.11E-02	2.05E-01	4.20E-02	2.14E-01	2.22E-01	3.54E+00
2.18E+00	5.96E-02	4.45E-06	1.16E-02	2.03E-01	4.47E-02	2.02E-01	2.19E-01	2.48E+00
2.18E+00	5.89E-02	4.66E-06	1.15E-02	1.82E-01	4.67E-02	1.86E-01	2.17E-01	2.45E+00
3.53E+00	5.81E-02	5.35E-06	1.10E-02	1.98E-01	4.78E-02	2.19E-01	2.14E-01	3.85E+00
5.55E+00	7.11E-02	7.01E-06	1.03E-02	2.94E-01	4.71E-02	2.77E-01	2.62E-01	5.99E+00
9.86E+00	7.77E-02	7.09E-06	1.51E-02	7.02E-01	5.28E-02	2.68E-01	2.86E-01	1.07E+01
1.17E+01	8.20E-02	1.12E-05	1.94E-02	1.14E+00	5.60E-02	3.09E-01	3.02E-01	1.30E+01
1.26E+01	8.03E-02	2.00E-05	2.20E-02	1.36E+00	5.13E-02	3.37E-01	2.96E-01	1.42E+01
1.30E+01	1.10E-01	2.79E-05	2.41E-02	1.44E+00	5.64E-02	4.11E-01	4.04E-01	1.47E+01
1.28E+01	1.43E-01	4.20E-05	2.75E-02	1.37E+00	6.96E-02	4.52E-01	5.27E-01	1.43E+01
1.37E+01	1.60E-01	4.24E-05	2.73E-02	1.31E+00	7.91E-02	4.41E-01	5.89E-01	1.52E+01
1.63E+01	1.86E-01	7.45E-05	2.61E-02	1.30E+00	9.03E-02	4.26E-01	6.86E-01	1.77E+01
2.11E+01	2.37E-01	5.71E-05	2.62E-02	1.29E+00	1.11E-01	4.61E-01	8.71E-01	2.23E+01
1.91E+01	3.05E-01	8.65E-05	2.86E-02	1.41E+00	1.54E-01	4.95E-01	1.12E+00	2.04E+01
2.11E+01	4.64E-01	1.17E-04	3.15E-02	1.57E+00	4.93E-01	7.89E-01	1.71E+00	2.28E+01
1.98E+01	1.52E+00	1.19E-04	3.66E-02	1.70E+00	1.50E-01	9.62E-01	5.60E+00	1.86E+01
1.82E+01	4.72E-01	9.31E-05	4.69E-02	1.53E+00	1.57E-01	1.42E+00	1.74E+00	2.01E+01
2.16E+01	2.51E-01	6.17E-05	6.80E-02	2.19E+00	1.12E-01	1.87E+00	9.25E-01	2.51E+01
2.42E+01	1.59E-01	3.85E-05	2.68E-01	4.28E+00	5.19E-01	3.51E+00	5.86E-01	3.23E+01
1.86E+01	1.56E-01	3.13E-05	1.02E-01	4.88E+00	1.50E-01	1.66E+00	5.75E-01	2.50E+01
1.54E+01	1.71E-01	2.70E-05	5.37E-02	6.26E+00	1.06E-01	1.07E+00	6.29E-01	2.24E+01
1.21E+01	1.80E-01	2.67E-05	4.20E-02	8.16E+00	1.03E-01	1.01E+00	6.64E-01	2.09E+01
1.07E+01	1.46E-01	2.43E-05	5.84E-02	4.15E+00	7.35E-02	7.60E-01	5.38E-01	1.54E+01
9.63E+00	1.51E-01	2.67E-05	6.37E-02	3.56E+00	6.80E-02	6.25E-01	5.57E-01	1.35E+01
9.47E+00	1.49E-01	4.00E-05	3.54E-02	2.96E+00	6.93E-02	5.83E-01	5.49E-01	1.27E+01
9.10E+00	1.23E-01	1.75E-05	3.41E-02	2.41E+00	6.21E-02	4.79E-01	4.52E-01	1.18E+01
7.11E+00	8.76E-02	1.63E-05	3.99E-02	2.20E+00	4.95E-02	3.78E-01	3.22E-01	9.54E+00
6.13E+00	7.93E-02	1.53E-05	3.82E-02	2.17E+00	5.02E-02	3.38E-01	2.92E-01	8.52E+00
6.05E+00	8.78E-02	1.85E-05	4.58E-02	2.23E+00	4.51E-02	3.39E-01	3.23E-01	8.48E+00
6.09E+00	1.03E-01	1.81E-05	4.64E-02	2.11E+00	4.29E-02	3.96E-01	3.78E-01	8.42E+00
6.35E+00	1.18E-01	1.12E-05	6.42E-02	1.80E+00	3.53E-02	4.53E-01	4.34E-01	8.39E+00
6.09E+00	1.26E-01	7.89E-06	5.34E-02	1.07E+00	2.75E-02	4.83E-01	4.63E-01	7.39E+00
5.77E+00	8.40E-02	4.70E-06	1.52E-02	4.15E-01	1.65E-02	3.30E-01	3.09E-01	6.33E+00
2.87E+00	5.21E-02	4.20E-06	1.43E-02	3.04E-01	1.65E-02	1.97E-01	1.92E-01	3.26E+00
2.80E+00	3.60E-02	3.03E-06	1.61E-02	3.35E-01	1.64E-02	1.38E-01	1.32E-01	3.21E+00
2.75E+00	2.83E-02	2.61E-06	1.38E-02	3.63E-01	1.60E-02	1.02E-01	1.04E-01	3.17E+00
2.72E+00	2.78E-02	2.39E-06	7.62E-03	3.86E-01	1.54E-02	1.00E-01	1.02E-01	3.16E+00
2.70E+00	2.79E-02	2.77E-06	7.03E-03	4.06E-01	1.46E-02	1.00E-01	1.03E-01	3.15E+00
2.67E+00	2.82E-02	3.26E-06	7.72E-03	4.23E-01	1.42E-02	1.02E-01	1.04E-01	3.14E+00
2.66E+00	2.99E-02	2.59E-06	8.13E-03	4.36E-01	1.42E-02	1.08E-01	1.10E-01	3.14E+00
2.64E+00	3.24E-02	1.98E-06	8.09E-03	4.47E-01	1.41E-02	1.17E-01	1.19E-01	3.14E+00
2.62E+00	3.71E-02	2.08E-06	7.66E-03	4.55E-01	1.63E-02	1.36E-01	1.37E-01	3.14E+00
2.60E+00	4.22E-02	2.13E-06	7.22E-03	4.60E-01	4.29E-02	1.55E-01	1.55E-01	3.15E+00
3.84E+00	4.45E-02	3.41E-06	9.32E-03	3.02E-01	2.60E-02	1.73E-01	1.64E-01	4.24E+00
3.94E+00	4.41E-02	3.48E-06	9.27E-03	3.12E-01	2.55E-02	1.72E-01	1.62E-01	4.34E+00

4272	472363.09	3856877.25	0.39727	0.09733	0.14878	0.18825	0.72376	0.19296	0.09883	0.09733
4273	472863.09	3856877.25	0.41074	0.09979	0.15639	0.19828	0.77112	0.20209	0.10142	0.09979
4274	473363.09	3856877.25	0.42868	0.10596	0.18958	0.22312	0.84945	0.23045	0.10775	0.10596
4275	473863.09	3856877.25	0.44322	0.12452	0.18755	0.23628	0.90014	0.2408	0.12598	0.12452
4276	474363.09	3856877.25	0.45084	0.14502	0.14404	0.22491	0.89477	0.21388	0.14649	0.14502
4277	474863.09	3856877.25	0.4504	0.16197	0.1407	0.20261	0.83487	0.17181	0.16331	0.16197
4278	475363.09	3856877.25	0.41727	0.17279	0.14013	0.15655	0.66375	0.13245	0.17388	0.17279
4279	475863.09	3856877.25	0.41722	0.17688	0.12544	0.15321	0.64066	0.13582	0.17784	0.17688
4280	476363.09	3856877.25	0.35477	0.17367	0.13075	0.15113	0.47417	0.14731	0.17438	0.17367
4281	476863.09	3856877.25	0.32181	0.16526	0.14205	0.15461	0.46495	0.17817	0.16572	0.16526
4282	477363.09	3856877.25	0.30076	0.15472	0.14752	0.11223	0.48342	0.20992	0.15477	0.15472
4283	477863.09	3856877.25	0.21092	0.14542	0.1098	0.13672	0.33281	0.23941	0.14474	0.14542
4284	478363.09	3856877.25	0.21882	0.13954	0.12493	0.17087	0.32736	0.26589	0.1375	0.13954
4285	478863.09	3856877.25	0.22519	0.13709	0.16647	0.20456	0.35029	0.29034	0.13263	0.13709
4286	479363.09	3856877.25	0.32385	0.13651	0.17741	0.22969	0.56913	0.31344	0.12799	0.13651
4287	479863.09	3856877.25	0.70766	0.15859	0.31092	0.27186	1.25682	0.33729	0.16232	0.15859
4288	480363.09	3856877.25	0.88699	0.19217	0.43431	0.41844	2.21465	0.45767	0.16986	0.19217
4289	480863.09	3856877.25	0.95484	0.2616	1.03592	0.49456	2.89978	0.55786	0.19708	0.2616
4290	481363.09	3856877.25	0.99912	0.26587	1.15098	0.50058	3.23415	0.73202	0.20285	0.26587
4291	481863.09	3856877.25	1.0864	0.26704	1.16308	0.49572	3.67495	0.67569	0.22044	0.26704
4292	482363.09	3856877.25	1.16932	0.33238	2.24522	0.49283	3.94819	0.62548	0.27961	0.33238
4293	482863.09	3856877.25	1.42978	0.3493	1.54868	0.50787	4.39857	0.58408	0.27381	0.3493
4294	483363.09	3856877.25	1.92072	0.39929	1.63348	0.53331	5.00063	0.67026	0.28056	0.39929
4295	483863.09	3856877.25	2.06292	0.47234	1.52253	0.56709	5.71427	0.80514	0.29332	0.47234
4296	484363.09	3856877.25	2.10429	0.69536	2.46092	0.6143	6.57584	1.08484	0.34166	0.69536
4297	484863.09	3856877.25	2.22829	0.98311	1.80222	0.66773	7.45665	2.40872	0.36077	0.98311
4298	485363.09	3856877.25	2.01623	2.11495	3.03017	0.77806	8.90646	1.27469	0.57682	2.11495
4299	485863.09	3856877.25	1.86346	1.33686	2.21366	0.96792	11.0117	1.0441	0.77239	1.33686
4300	486363.09	3856877.25	2.18118	0.46506	1.54654	1.54465	16.3268	0.8537	1.21141	0.46506
4301	486863.09	3856877.25	2.29814	0.38889	1.30188	3.84669	22.1133	3.68742	2.00131	0.38889
4302	487363.09	3856877.25	1.81305	0.38016	1.12021	2.26311	26.269	1.29399	1.02009	0.38016
4303	487863.09	3856877.25	1.38323	0.40597	1.15489	1.08066	33.6239	1.28167	0.64849	0.40597
4304	488363.09	3856877.25	1.12472	0.41616	1.60239	1.49878	14.4038	1.10884	0.50332	0.41616
4305	488863.09	3856877.25	1.00917	0.34999	1.31442	2.02058	11.1614	0.71091	0.42002	0.34999
4306	489363.09	3856877.25	1.01615	0.29822	2.37618	0.91765	9.28208	0.62247	0.3223	0.29822
4307	489863.09	3856877.25	0.85848	0.29102	0.75137	0.83673	7.87337	0.54096	0.30635	0.29102
4308	490363.09	3856877.25	0.68982	0.28563	1.07576	0.78867	6.64139	0.53409	0.28938	0.28563
4309	490863.09	3856877.25	0.65227	0.24004	0.71867	0.9127	5.46668	0.41666	0.25154	0.24004
4310	491363.09	3856877.25	0.64083	0.17225	1.00602	1.47339	4.43382	0.375	0.22944	0.17225
4311	491863.09	3856877.25	0.64365	0.16917	0.72658	5.80255	3.45287	0.35534	0.20418	0.16917
4312	492363.09	3856877.25	0.63881	0.14452	0.32102	2.11698	3.28973	0.23613	0.16655	0.14452
4313	492863.09	3856877.25	0.53607	0.15668	0.24715	0.5708	3.19694	0.18942	0.1557	0.15668
4314	493363.09	3856877.25	0.48083	0.15328	0.19139	0.31643	1.55727	0.12531	0.15632	0.15328
4315	493863.09	3856877.25	0.23507	0.08253	0.14276	0.26181	1.51503	0.11612	0.08146	0.08253
4316	494363.09	3856877.25	0.23017	0.06482	0.1075	0.20382	1.46944	0.11329	0.05932	0.06482
4317	494863.09	3856877.25	0.22823	0.0643	0.11403	0.19667	1.42178	0.11427	0.05846	0.0643
4318	495363.09	3856877.25	0.22699	0.06409	0.12911	0.19099	1.37272	0.11598	0.05793	0.06409
4319	495863.09	3856877.25	0.22621	0.06428	0.09191	0.18633	1.32303	0.11792	0.0578	0.06428
4320	496363.09	3856877.25	0.22592	0.06523	0.0838	0.18241	1.27385	0.12	0.05844	0.06523
4321	496863.09	3856877.25	0.22679	0.06869	0.09137	0.17906	1.22562	0.12211	0.06163	0.06869
4322	497363.09	3856877.25	0.22958	0.07849	0.10081	0.1762	1.17848	0.12491	0.07119	0.07849
4323	497863.09	3856877.25	0.23486	0.10337	0.10511	0.1738	1.13251	0.36361	0.09591	0.10337
4324	498363.09	3856877.25	0.23845	0.12989	0.10853	0.17188	1.08797	0.46467	0.12229	0.12989
4325	471363.09	3857377.25	0.33042	0.09948	0.14069	0.20784	0.38921	0.24512	0.10111	0.09948
4326	471863.09	3857377.25	0.34125	0.09811	0.12134	0.20642	0.39725	0.23469	0.09965	0.09811
4327	472363.09	3857377.25	0.35365	0.09756	0.11665	0.21154	0.40919	0.23545	0.09916	0.09756
4328	472863.09	3857377.25	0.3668	0.10049	0.12848	0.21927	0.42312	0.24078	0.10227	0.10049

4.07E+00	4.38E-02	3.77E-06	9.75E-03	3.34E-01	2.67E-02	1.71E-01	1.61E-01	4.50E+00
4.21E+00	4.49E-02	3.97E-06	1.03E-02	3.55E-01	2.79E-02	1.75E-01	1.65E-01	4.66E+00
4.40E+00	4.77E-02	4.81E-06	1.16E-02	3.91E-01	3.19E-02	1.86E-01	1.76E-01	4.89E+00
4.54E+00	5.60E-02	4.76E-06	1.22E-02	4.15E-01	3.33E-02	2.18E-01	2.06E-01	5.07E+00
4.62E+00	6.53E-02	3.65E-06	1.16E-02	4.12E-01	2.96E-02	2.53E-01	2.40E-01	5.15E+00
4.62E+00	7.29E-02	3.57E-06	1.05E-02	3.85E-01	2.38E-02	2.82E-01	2.68E-01	5.12E+00
4.28E+00	7.78E-02	3.55E-06	8.10E-03	3.06E-01	1.83E-02	3.00E-01	2.86E-01	4.70E+00
4.28E+00	7.96E-02	3.18E-06	7.93E-03	2.95E-01	1.88E-02	3.07E-01	2.93E-01	4.69E+00
3.64E+00	7.82E-02	3.32E-06	7.82E-03	2.19E-01	2.04E-02	3.01E-01	2.88E-01	3.98E+00
3.30E+00	7.44E-02	3.60E-06	8.00E-03	2.14E-01	2.46E-02	2.86E-01	2.74E-01	3.63E+00
3.08E+00	6.96E-02	3.74E-06	5.81E-03	2.23E-01	2.90E-02	2.67E-01	2.56E-01	3.42E+00
2.16E+00	6.54E-02	2.79E-06	7.08E-03	1.53E-01	3.31E-02	2.50E-01	2.41E-01	2.43E+00
2.24E+00	6.28E-02	3.17E-06	8.85E-03	1.51E-01	3.68E-02	2.37E-01	2.31E-01	2.51E+00
2.31E+00	6.17E-02	4.22E-06	1.06E-02	1.61E-01	4.01E-02	2.29E-01	2.27E-01	2.58E+00
3.32E+00	6.14E-02	4.50E-06	1.19E-02	2.62E-01	4.33E-02	2.21E-01	2.26E-01	3.69E+00
7.26E+00	7.14E-02	7.89E-06	1.41E-02	5.79E-01	4.66E-02	2.80E-01	2.63E-01	7.99E+00
9.10E+00	8.65E-02	1.10E-05	2.17E-02	1.02E+00	6.33E-02	2.93E-01	3.18E-01	1.03E+01
9.79E+00	1.18E-01	2.63E-05	2.56E-02	1.34E+00	7.71E-02	3.40E-01	4.33E-01	1.13E+01
1.02E+01	1.20E-01	2.92E-05	2.59E-02	1.49E+00	1.01E-01	3.50E-01	4.41E-01	1.19E+01
1.11E+01	1.20E-01	2.95E-05	2.57E-02	1.69E+00	9.34E-02	3.81E-01	4.42E-01	1.30E+01
1.20E+01	1.50E-01	5.70E-05	2.55E-02	1.82E+00	8.65E-02	4.83E-01	5.51E-01	1.40E+01
1.47E+01	1.57E-01	3.93E-05	2.63E-02	2.03E+00	8.08E-02	4.73E-01	5.79E-01	1.68E+01
1.97E+01	1.80E-01	4.14E-05	2.76E-02	2.30E+00	9.27E-02	4.84E-01	6.62E-01	2.21E+01
2.12E+01	2.13E-01	3.86E-05	2.94E-02	2.63E+00	1.11E-01	5.06E-01	7.83E-01	2.39E+01
2.16E+01	3.13E-01	6.24E-05	3.18E-02	3.03E+00	1.50E-01	5.90E-01	1.15E+00	2.45E+01
2.28E+01	4.42E-01	4.57E-05	3.46E-02	3.44E+00	3.33E-01	6.23E-01	1.63E+00	2.61E+01
2.07E+01	9.52E-01	7.69E-05	4.03E-02	4.10E+00	1.76E-01	9.96E-01	3.50E+00	2.34E+01
1.91E+01	6.02E-01	5.62E-05	5.01E-02	5.07E+00	1.44E-01	1.33E+00	2.22E+00	2.41E+01
2.24E+01	2.09E-01	3.92E-05	8.00E-02	7.52E+00	1.18E-01	2.09E+00	7.71E-01	3.16E+01
2.36E+01	1.75E-01	3.30E-05	1.99E-01	1.02E+01	5.10E-01	3.46E+00	6.44E-01	3.75E+01
1.86E+01	1.71E-01	2.84E-05	1.17E-01	1.21E+01	1.79E-01	1.76E+00	6.30E-01	3.23E+01
1.42E+01	1.83E-01	2.93E-05	5.59E-02	1.55E+01	1.77E-01	1.12E+00	6.73E-01	3.05E+01
1.15E+01	1.87E-01	4.06E-05	7.76E-02	6.64E+00	1.53E-01	8.69E-01	6.90E-01	1.88E+01
1.03E+01	1.58E-01	3.33E-05	1.05E-01	5.14E+00	9.83E-02	7.25E-01	5.80E-01	1.60E+01
1.04E+01	1.34E-01	6.03E-05	4.75E-02	4.28E+00	8.61E-02	5.56E-01	4.94E-01	1.50E+01
8.80E+00	1.31E-01	1.91E-05	4.33E-02	3.63E+00	7.48E-02	5.29E-01	4.82E-01	1.27E+01
7.07E+00	1.29E-01	2.73E-05	4.08E-02	3.06E+00	7.38E-02	5.00E-01	4.73E-01	1.04E+01
6.69E+00	1.08E-01	1.82E-05	4.72E-02	2.52E+00	5.76E-02	4.34E-01	3.98E-01	9.46E+00
6.57E+00	7.75E-02	2.55E-05	7.63E-02	2.04E+00	5.18E-02	3.96E-01	2.85E-01	8.93E+00
6.60E+00	7.61E-02	1.84E-05	3.00E-01	1.59E+00	4.91E-02	3.53E-01	2.80E-01	8.69E+00
6.55E+00	6.50E-02	8.14E-06	1.10E-01	1.52E+00	3.26E-02	2.88E-01	2.39E-01	8.32E+00
5.50E+00	7.05E-02	6.27E-06	2.95E-02	1.47E+00	2.62E-02	2.69E-01	2.60E-01	7.11E+00
4.93E+00	6.90E-02	4.86E-06	1.64E-02	7.18E-01	1.73E-02	2.70E-01	2.54E-01	5.77E+00
2.41E+00	3.71E-02	3.62E-06	1.36E-02	6.98E-01	1.61E-02	1.41E-01	1.37E-01	3.18E+00
2.36E+00	2.92E-02	2.73E-06	1.06E-02	6.77E-01	1.57E-02	1.02E-01	1.07E-01	3.09E+00
2.34E+00	2.89E-02	2.89E-06	1.02E-02	6.55E-01	1.58E-02	1.01E-01	1.07E-01	3.04E+00
2.33E+00	2.88E-02	3.28E-06	9.89E-03	6.33E-01	1.60E-02	1.00E-01	1.06E-01	3.01E+00
2.32E+00	2.89E-02	2.33E-06	9.65E-03	6.10E-01	1.63E-02	9.98E-02	1.07E-01	2.98E+00
2.32E+00	2.94E-02	2.13E-06	9.44E-03	5.87E-01	1.66E-02	1.01E-01	1.08E-01	2.95E+00
2.33E+00	3.09E-02	2.32E-06	9.27E-03	5.65E-01	1.69E-02	1.06E-01	1.14E-01	2.94E+00
2.35E+00	3.53E-02	2.56E-06	9.12E-03	5.43E-01	1.73E-02	1.23E-01	1.30E-01	2.95E+00
2.41E+00	4.65E-02	2.67E-06	9.00E-03	5.22E-01	5.03E-02	1.66E-01	1.71E-01	3.03E+00
2.45E+00	5.85E-02	2.75E-06	8.90E-03	5.01E-01	6.42E-02	2.11E-01	2.15E-01	3.07E+00
3.39E+00	4.48E-02	3.57E-06	1.08E-02	1.79E-01	3.39E-02	1.75E-01	1.65E-01	3.67E+00
3.50E+00	4.42E-02	3.08E-06	1.07E-02	1.83E-01	3.24E-02	1.72E-01	1.63E-01	3.78E+00
3.63E+00	4.39E-02	2.96E-06	1.10E-02	1.89E-01	3.26E-02	1.71E-01	1.62E-01	3.91E+00
3.76E+00	4.52E-02	3.26E-06	1.14E-02	1.95E-01	3.33E-02	1.77E-01	1.67E-01	4.06E+00

4329	473363.09	3857377.25	0.38043	0.10553	0.16208	0.23104	0.43739	0.25293	0.10729	0.10553	3.90E+00	4.75E-02	4.11E-06	1.20E-02	2.02E-01	3.50E-02	1.85E-01	1.75E-01	4.21E+00
4330	473863.09	3857377.25	0.39398	0.11436	0.23185	0.24634	0.45177	0.27186	0.10872	0.11436	4.04E+00	5.15E-02	5.88E-06	1.28E-02	2.08E-01	3.76E-02	1.88E-01	1.89E-01	4.35E+00
4331	474363.09	3857377.25	0.40401	0.09667	0.20056	0.21259	0.47243	0.2227	0.10067	0.09667	4.14E+00	4.35E-02	5.09E-06	1.10E-02	2.18E-01	3.08E-02	1.74E-01	1.60E-01	4.46E+00
4332	474863.09	3857377.25	0.37213	0.08761	0.1123	0.15385	0.48367	0.13413	0.09966	0.08761	3.82E+00	3.94E-02	2.85E-06	7.96E-03	2.23E-01	1.85E-02	1.72E-01	1.45E-01	4.13E+00
4333	475363.09	3857377.25	0.28687	0.10237	0.11605	0.11372	0.47162	0.12475	0.10323	0.10237	2.94E+00	4.61E-02	2.94E-06	5.89E-03	2.17E-01	1.72E-02	1.78E-01	1.70E-01	3.24E+00
4334	475863.09	3857377.25	0.20339	0.12759	0.11845	0.10764	0.47435	0.13104	0.12858	0.12759	2.09E+00	5.74E-02	3.00E-06	5.57E-03	2.19E-01	1.81E-02	2.22E-01	2.11E-01	2.40E+00
4335	476363.09	3857377.25	0.32072	0.15232	0.15666	0.13427	0.51707	0.15343	0.15341	0.15232	3.29E+00	6.86E-02	3.97E-06	6.95E-03	2.38E-01	2.12E-02	2.65E-01	2.52E-01	3.64E+00
4336	476863.09	3857377.25	0.33228	0.17237	0.16692	0.1289	0.53668	0.18393	0.17347	0.17237	3.41E+00	7.76E-02	4.23E-06	6.67E-03	2.47E-01	2.54E-02	2.99E-01	2.86E-01	3.78E+00
4337	477363.09	3857377.25	0.3379	0.18455	0.1666	0.15361	0.53587	0.19465	0.18557	0.18455	3.46E+00	8.31E-02	4.23E-06	7.95E-03	2.47E-01	2.69E-02	3.20E-01	3.06E-01	3.84E+00
4338	477863.09	3857377.25	0.22146	0.18726	0.15253	0.16408	0.5262	0.18253	0.18814	0.18726	2.27E+00	8.43E-02	3.87E-06	8.49E-03	2.42E-01	2.52E-02	3.25E-01	3.10E-01	2.65E+00
4339	478363.09	3857377.25	0.22381	0.18093	0.16463	0.14668	0.41242	0.16974	0.18165	0.18093	2.29E+00	8.14E-02	4.18E-06	7.59E-03	1.90E-01	2.35E-02	3.14E-01	3.00E-01	2.61E+00
4340	478863.09	3857377.25	0.22778	0.16843	0.17508	0.12541	0.3862	0.18189	0.16898	0.16843	2.34E+00	7.58E-02	4.44E-06	6.49E-03	1.78E-01	2.51E-02	2.92E-01	2.79E-01	2.63E+00
4341	479363.09	3857377.25	0.23555	0.1546	0.23277	0.18183	0.57268	0.21737	0.15492	0.1546	2.42E+00	6.96E-02	5.90E-06	9.41E-03	2.64E-01	3.01E-02	2.67E-01	2.56E-01	2.80E+00
4342	479863.09	3857377.25	0.48927	0.15001	0.23638	0.20932	0.73133	0.24881	0.1533	0.15001	5.02E+00	6.75E-02	6.00E-06	1.08E-02	3.37E-01	3.44E-02	2.65E-01	2.49E-01	5.48E+00
4343	480363.09	3857377.25	0.40813	0.13978	0.22135	0.20221	0.72438	0.2753	0.14027	0.13978	4.18E+00	6.29E-02	5.62E-06	1.05E-02	3.34E-01	3.81E-02	2.42E-01	2.32E-01	4.64E+00
4344	480863.09	3857377.25	0.76723	0.24439	0.96899	0.5142	1.02631	0.52556	0.23865	0.24439	7.87E+00	1.10E-01	2.46E-05	2.66E-02	4.73E-01	7.27E-02	4.12E-01	4.05E-01	8.56E+00
4345	481363.09	3857377.25	0.86004	0.26246	0.71489	0.5529	1.13784	0.56704	0.24894	0.26246	8.82E+00	1.18E-01	1.81E-05	2.86E-02	5.24E-01	7.84E-02	4.30E-01	4.35E-01	9.56E+00
4346	481863.09	3857377.25	0.88823	0.28302	0.94769	0.62592	1.4174	0.7018	0.25683	0.28302	9.11E+00	1.27E-01	2.40E-05	3.24E-02	6.53E-01	9.70E-02	4.43E-01	4.69E-01	9.99E+00
4347	482363.09	3857377.25	0.8876	0.34615	0.95064	0.56292	1.67394	0.77105	0.24473	0.34615	9.10E+00	1.56E-01	2.41E-05	2.91E-02	7.71E-01	1.07E-01	4.23E-01	5.74E-01	1.00E+01
4348	482863.09	3857377.25	0.9978	0.35153	1.44194	0.5873	1.82635	0.8324	0.2284	0.35153	1.02E+01	1.58E-01	3.66E-05	3.04E-02	8.42E-01	1.15E-01	3.94E-01	5.82E-01	1.12E+01
4349	483363.09	3857377.25	1.09673	0.38046	1.31624	0.61866	2.07193	0.91319	0.27875	0.38046	1.12E+01	1.71E-01	3.34E-05	3.20E-02	9.55E-01	1.26E-01	4.81E-01	6.30E-01	1.24E+01
4350	483863.09	3857377.25	1.2552	0.42733	1.70812	0.65342	2.40862	0.95322	0.29814	0.42733	1.29E+01	1.92E-01	4.33E-05	3.38E-02	1.11E+00	1.32E-01	5.15E-01	7.08E-01	1.41E+01
4351	484363.09	3857377.25	1.70623	0.53232	1.24296	0.68663	2.83497	0.9359	0.301	0.53232	1.75E+01	2.40E-01	3.15E-05	3.55E-02	1.31E+00	1.29E-01	5.20E-01	8.82E-01	1.88E+01
4352	484863.09	3857377.25	1.87914	0.63448	1.41074	0.72413	3.54269	1.08459	0.34731	0.63448	1.93E+01	2.86E-01	3.58E-05	3.75E-02	1.63E+00	1.50E-01	6.00E-01	1.05E+00	2.09E+01
4353	485363.09	3857377.25	2.30534	0.94673	2.15248	0.7672	5.02624	1.96211	0.34265	0.94673	2.36E+01	4.26E-01	5.46E-05	3.97E-02	2.32E+00	2.71E-01	5.92E-01	1.57E+00	2.57E+01
4354	485863.09	3857377.25	2.10621	1.4748	2.33922	0.82855	6.62459	2.26705	0.51886	1.4748	2.16E+01	6.64E-01	5.93E-05	4.29E-02	3.05E+00	3.13E-01	8.96E-01	2.44E+00	2.41E+01
4355	486363.09	3857377.25	1.90334	1.91074	2.33197	1.08411	8.72977	1.59124	0.78514	1.91074	1.95E+01	8.60E-01	5.92E-05	5.61E-02	4.02E+00	2.20E-01	1.36E+00	3.17E+00	2.29E+01
4356	486863.09	3857377.25	2.10706	0.6312	2.26828	1.55398	14.8251	0.82568	1.20335	0.6312	2.16E+01	2.84E-01	5.75E-05	8.04E-02	6.83E+00	1.14E-01	2.08E+00	1.05E+00	2.99E+01
4357	487363.09	3857377.25	2.15307	0.46216	1.19017	3.30307	20.7982	2.05594	2.10787	0.46216	2.21E+01	2.08E-01	3.02E-05	1.71E-01	9.58E+00	2.84E-01	3.64E+00	7.66E-01	3.52E+01
4358	487863.09	3857377.25	1.66108	0.46983	1.93374	2.31755	24.1314	2.08659	0.971	0.46983	1.70E+01	2.11E-01	4.91E-05	1.20E-01	1.11E+01	2.88E-01	1.68E+00	7.78E-01	2.97E+01
4359	488363.09	3857377.25	1.20981	0.42819	2.01318	1.89946	19.7946	0.97036	0.65474	0.42819	1.24E+01	1.93E-01	5.11E-05	9.83E-02	9.12E+00	1.34E-01	1.13E+00	7.09E-01	2.24E+01
4360	488863.09	3857377.25	1.09919	0.41289	1.40497	2.69407	11.051	0.9465	0.47795	0.41289	1.13E+01	1.86E-01	3.56E-05	1.39E-01	5.09E+00	1.31E-01	8.25E-01	6.84E-01	1.70E+01
4361	489363.09	3857377.25	1.05281	0.37064	2.65488	1.15186	8.88136	0.92666	0.3912	0.37064	1.08E+01	1.67E-01	6.73E-05	5.96E-02	4.09E+00	1.28E-01	6.75E-01	6.14E-01	1.53E+01
4362	489863.09	3857377.25	0.77726	0.29673	1.99411	1.50151	7.56224	0.681	0.32553	0.29673	7.97E+00	1.34E-01	5.06E-05	7.77E-02	3.48E+00	9.41E-02	5.62E-01	4.92E-01	1.18E+01
4363	490363.09	3857377.25	0.73323	0.28678	1.56002	1.01556	6.22218	0.63122	0.29729	0.28678	7.52E+00	1.29E-01	3.96E-05	5.26E-02	2.87E+00	8.73E-02	5.13E-01	4.75E-01	1.07E+01
4364	490863.09	3857377.25	0.73841	0.2785	1.46253	1.08482	5.28639	0.60387	0.28221	0.2785	7.57E+00	1.25E-01	3.71E-05	5.62E-02	2.44E+00	8.35E-02	4.87E-01	4.61E-01	1.03E+01
4365	491363.09	3857377.25	0.70715	0.26411	1.14195	2.53166	4.47	0.54815	0.26292	0.26411	7.25E+00	1.19E-01	2.90E-05	1.31E-01	2.06E+00	7.58E-02	4.54E-01	4.38E-01	9.65E+00
4366	491863.09	3857377.25	0.66749	0.22983	0.69978	1.98617	4.09739	0.4211	0.23743	0.22983	6.84E+00	1.03E-01	1.78E-05	1.03E-01	1.89E+00	5.82E-02	4.10E-01	3.81E-01	9.03E+00
4367	492363.09	3857377.25	0.62949	0.14599	0.33813	0.64377	2.01728	0.31996	0.22293	0.14599	6.45E+00	6.57E-02	8.58E-06	3.33E-02	9.30E-01	4.42E-02	3.85E-01	2.42E-01	7.67E+00
4368	492863.09	3857377.25	0.46594	0.13022	0.28412	0.31289	1.00062	0.20711	0.12985	0.13022	4.78E+00	5.86E-02	7.21E-06	1.62E-02	4.61E-01	2.86E-02	2.24E-01	2.16E-01	5.35E+00
4369	493363.09	3857377.25	0.28209	0.12161	0.1651	0.21282	0.93999	0.16856	0.12101	0.12161	2.89E+00	5.47E-02	4.19E-06	1.10E-02	4.33E-01	2.33E-02	2.09E-01	2.02E-01	3.42E+00
4370	493863.09	3857377.25	0.21356	0.10401	0.16942	0.20765	0.81147	0.16617	0.10329	0.10401	2.19E+00	4.68E-02	4.30E-06	1.07E-02	3.74E-01	2.30E-02	1.78E-01	1.72E-01	2.65E+00
4371	494363.09	3857377.25	0.2112	0.07232	0.17126	0.17771	0.76212	0.16834	0.06706	0.07232	2.17E+00	3.25E-02	4.34E-06	9.20E-03	3.51E-01	2.33E-02	1.16E-01	1.20E-01	2.58E+00
4372	494863.09	3857377.25	0.21214	0.07181	0.16407	0.17649	0.71745	0.17159	0.05938	0.07181	2.18E+00	3.23E-02	4.16E-06	9.14E-03	3.31E-01	2.37E-02	1.03E-01	1.19E-01	2.55E+00
4373	495363.09	3857377.25	0.21325	0.07136	0.16348	0.17676	0.67694	0.1745	0.05873	0.07136	2.19E+00	3.21E-02	4.15E-06	9.15E-03	3.12E-01	2.41E-02	1.01E-01	1.18E-01	2.55E+00
4374	495863.09	3857377.25	0.21473	0.07123	0.16269	0.17833	0.64025	0.17727	0.05844	0.07123	2.20E+00	3.21E-02	4.13E-06	9.23E-03	2.95E-01	2.45E-02	1.01E-01	1.18E-01	2.55E+00
4375	496363.09	3857377.25	0.21624	0.07139	0.16732	0.18119	0.60671	0.17991	0.05847	0.07139	2.22E+00	3.21E-02	4.24E-06	9.38E-03	2.80E-01	2.49E-02	1.01E-01	1.18E-01	2.55E+00
4376	496863.09	3857377.25	0.21818	0.07268	0.16514	0.18513	0.57603	0.18231	0.06662	0.07268	2.24E+00	3.27E-02	4.19E-06	9.58E-03	2.65E-01	2.52E-02	1.15E-01	1.20E-01	2.56E+00
4377	497363.09	3857377.25	0.22179	0.0783	0.1624	0.18982	0.54785	0.33438	0.07051	0.0783	2.27E+00	3.52E-02	4.12E-06	9.83E-03	2.52E-01	4.62E-02	1.22E-01	1.30E-01	2.61E+00
4378	497863.09	3857377.25	0.22891	0.09579	0.15952	0.19488	0.52186	0.69063	0.08289	0.09579	2.35E+00	4.31E-02	4.05E-06	1.01E-02	2.40E-01	9.55E-02	1.43E-01	1.59E-01	2.72E+00
4379	498363.09	3857377.25	0.2415	0.14253	0.1564	0.20004	0.55976	0.52219	0.12997	0.14253	2.48E+00	6.41E-02	3.97E-06	1.04E-02	2.58E-01	7.22E-02	2.24E-01	2.36E-01	2.87E+00
4380	471363.09	3857877.25	0.28902	0.09903	0.13736	0.15988	0.34567	0.24572	0.10066	0.09903	2.96E+00	4.46E-02	3.48E-06	8.28E-03	1.59E-01	3.40E-02	1.74E-01	1.64E-01	3.22E+00
4381	471863.09	3857877.25	0.30009	0.09829	0.16651	0.16898	0.34789	0.24996	0.09995	0.09829	3.08E+00	4.42E-02	4.22E-06	8.75E-03	1.60E-01	3.46E-02	1.73E-01	1.63E-01	3.33E+00
4382	472363.09	3857877.25	0.31236	0.09818	0.18722	0.18364	0.35009	0.26268	0.09984	0.09818	3.20E+00	4.42E-02	4.75E-06	9.51E-03	1.61E-01	3.63E-02	1.72E-01	1.63E-01	3.46E+00
4383	472863.09	3857877.25	0.32715	0.1023	0.18777	0.20782	0.35263	0.29144	0.10403	0.1023	3.35E+00	4.60E-02	4.76E-06	1.08E-02	1.63E-01	4.03E-02	1.80E-01	1.70E-01	3.62E+00
4384	473363.09	3857877.25	0.34045	0.10593	0.16037	0.22507	0.35439	0.30345	0.10771	0.10593	3.49E+00	4.77E-02	4.07E-06	1.17E-02	1.63E-01	4.20E-02	1.86E-01	1.76E-01	3.77E+00
4385	473863.09	3857877.25	0.35845	0.10815	0.18827	0.24991	0.3727	0.32844	0.10749	0.10815	3.68E+00	4.87E-02	4.78E-06	1.29E-02	1.72E-01	4.54E-02	1.86E-01	1.79E-01	3.96E+00

4386	474363.09	3857877.25	0.36403	0.0947	0.19652	0.22403	0.37113	0.25698	0.09717	0.0947	3.73E+00	4.26E-02	4.99E-06	1.16E-02	1.71E-01	3.55E-02	1.68E-01	1.57E-01	4.00E+00
4387	474863.09	3857877.25	0.33108	0.08555	0.14507	0.14802	0.35313	0.13981	0.09333	0.08555	3.39E+00	3.85E-02	3.68E-06	7.66E-03	1.63E-01	1.93E-02	1.61E-01	1.42E-01	3.64E+00
4388	475363.09	3857877.25	0.20761	0.06941	0.10759	0.10012	0.34998	0.13285	0.06413	0.06941	2.13E+00	3.12E-02	2.73E-06	5.18E-03	1.61E-01	1.84E-02	1.11E-01	1.15E-01	2.34E+00
4389	475863.09	3857877.25	0.20884	0.05311	0.06908	0.09409	0.25104	0.10765	0.05911	0.05311	2.14E+00	2.39E-02	1.75E-06	4.87E-03	1.16E-01	1.49E-02	1.02E-01	8.80E-02	2.31E+00
4390	476363.09	3857877.25	0.21203	0.08062	0.13249	0.13324	0.34824	0.17753	0.07613	0.08062	2.17E+00	3.63E-02	3.36E-06	6.90E-03	1.60E-01	2.45E-02	1.31E-01	1.34E-01	2.40E+00
4391	476863.09	3857877.25	0.33667	0.08242	0.14763	0.15343	0.35452	0.19077	0.08038	0.08242	3.45E+00	3.71E-02	3.75E-06	7.94E-03	1.63E-01	2.64E-02	1.39E-01	1.37E-01	3.69E+00
4392	477363.09	3857877.25	0.34089	0.10357	0.18088	0.16249	0.38546	0.19524	0.10448	0.10357	3.50E+00	4.66E-02	4.59E-06	8.41E-03	1.78E-01	2.70E-02	1.80E-01	1.72E-01	3.76E+00
4393	477863.09	3857877.25	0.21836	0.13303	0.25098	0.16665	0.4181	0.19143	0.1341	0.13303	2.24E+00	5.99E-02	6.37E-06	8.63E-03	1.93E-01	2.65E-02	2.32E-01	2.20E-01	2.54E+00
4394	478363.09	3857877.25	0.2206	0.16186	0.17415	0.13492	0.34731	0.14033	0.163	0.16186	2.26E+00	7.28E-02	4.42E-06	6.98E-03	1.60E-01	1.94E-02	2.81E-01	2.68E-01	2.53E+00
4395	478863.09	3857877.25	0.22483	0.18558	0.15557	0.10946	0.2971	0.13178	0.18673	0.18558	2.31E+00	8.35E-02	3.95E-06	5.67E-03	1.37E-01	1.82E-02	3.22E-01	3.07E-01	2.56E+00
4396	479363.09	3857877.25	0.49306	0.20055	0.23566	0.1898	0.74957	0.21464	0.20185	0.20055	5.06E+00	9.03E-02	5.98E-06	9.83E-03	3.45E-01	2.97E-02	3.48E-01	3.32E-01	5.55E+00
4397	479863.09	3857877.25	0.66812	0.20356	0.41536	0.37934	1.58584	0.33716	0.20516	0.20356	6.85E+00	9.16E-02	1.05E-05	1.96E-02	7.31E-01	4.66E-02	3.54E-01	3.37E-01	7.76E+00
4398	480363.09	3857877.25	0.70057	0.20173	0.781	0.45679	1.85705	0.46892	0.20307	0.20173	7.18E+00	9.08E-02	1.98E-05	2.36E-02	8.56E-01	6.48E-02	3.51E-01	3.34E-01	8.24E+00
4399	480863.09	3857877.25	0.74277	0.21311	0.57235	0.4829	2.02149	0.51394	0.21055	0.21311	7.62E+00	9.59E-02	1.45E-05	2.50E-02	9.32E-01	7.11E-02	3.64E-01	3.53E-01	8.75E+00
4400	481363.09	3857877.25	0.77239	0.23445	0.78138	0.51321	2.16174	0.56115	0.23125	0.23445	7.92E+00	1.06E-01	1.98E-05	2.66E-02	9.96E-01	7.76E-02	3.99E-01	3.88E-01	9.14E+00
4401	481863.09	3857877.25	0.77824	0.24195	0.97505	0.56329	2.34935	0.66878	0.23769	0.24195	7.98E+00	1.09E-01	2.47E-05	2.92E-02	1.08E+00	9.25E-02	4.10E-01	4.01E-01	9.30E+00
4402	482363.09	3857877.25	0.72397	0.3044	1.28168	0.62909	2.80066	0.94922	0.26929	0.3044	7.42E+00	1.37E-01	3.25E-05	3.26E-02	1.29E+00	1.31E-01	4.65E-01	5.04E-01	8.98E+00
4403	482863.09	3857877.25	0.68479	0.32641	1.09035	0.61162	3.0958	1.11224	0.30398	0.32641	7.02E+00	1.47E-01	2.77E-05	3.17E-02	1.43E+00	1.54E-01	5.25E-01	5.41E-01	8.76E+00
4404	483363.09	3857877.25	0.71151	0.35578	1.1348	0.65915	3.5664	1.18853	0.30221	0.35578	7.30E+00	1.60E-01	2.88E-05	3.41E-02	1.64E+00	1.64E-01	5.22E-01	5.90E-01	9.23E+00
4405	483863.09	3857877.25	0.82299	0.39628	1.10393	0.71602	3.96817	1.31796	0.28754	0.39628	8.44E+00	1.78E-01	2.80E-05	3.71E-02	1.83E+00	1.82E-01	4.96E-01	6.57E-01	1.05E+01
4406	484363.09	3857877.25	0.89182	0.44853	1.15477	0.78079	4.34413	1.51413	0.26557	0.44853	9.14E+00	2.02E-01	2.93E-05	4.04E-02	2.00E+00	2.09E-01	4.59E-01	7.43E-01	1.13E+01
4407	484863.09	3857877.25	1.36639	0.55723	1.54483	0.85993	4.6461	1.80385	0.31613	0.55723	1.40E+01	2.51E-01	3.92E-05	4.45E-02	2.14E+00	2.49E-01	5.46E-01	9.23E-01	1.63E+01
4408	485363.09	3857877.25	1.56971	0.62568	2.28593	0.95222	4.71866	2.29927	0.3474	0.62568	1.61E+01	2.82E-01	5.80E-05	4.93E-02	2.17E+00	3.18E-01	6.00E-01	1.04E+00	1.85E+01
4409	485863.09	3857877.25	1.88696	0.88865	1.63057	1.0646	5.20232	3.52044	0.40113	0.88865	1.93E+01	4.00E-01	4.14E-05	5.51E-02	2.40E+00	4.87E-01	6.93E-01	1.47E+00	2.19E+01
4410	486363.09	3857877.25	2.19607	1.26305	1.98461	1.19804	7.20029	4.31581	0.48932	1.26305	2.25E+01	5.68E-01	5.03E-05	6.20E-02	3.32E+00	5.97E-01	8.45E-01	2.09E+00	2.58E+01
4411	486863.09	3857877.25	1.90188	2.66745	4.4493	1.39575	7.70994	1.75782	0.7128	2.66745	1.95E+01	1.20E+00	1.13E-04	7.23E-02	3.55E+00	2.43E-01	1.23E+00	4.42E+00	2.14E+01
4412	487363.09	3857877.25	2.05014	1.2433	7.91453	1.83758	7.8525	1.85018	1.1507	1.2433	2.10E+01	5.60E-01	2.01E-04	9.51E-02	3.62E+00	2.56E-01	1.99E+00	2.06E+00	2.55E+01
4413	487863.09	3857877.25	2.19583	0.75192	5.87664	3.18081	13.3772	2.65705	2.24993	0.75192	2.25E+01	3.38E-01	1.49E-04	1.65E-01	6.16E+00	3.67E-01	3.88E+00	1.25E+00	3.22E+01
4414	488363.09	3857877.25	1.45248	0.62656	4.9785	2.80467	18.9409	2.18932	0.95032	0.62656	1.49E+01	2.82E-01	1.26E-04	1.45E-01	8.73E+00	3.03E-01	1.64E+00	1.04E+00	2.50E+01
4415	488863.09	3857877.25	1.30916	0.49954	3.36091	3.15899	12.7731	1.53192	0.69292	0.49954	1.34E+01	2.25E-01	8.53E-05	1.64E-01	5.89E+00	2.12E-01	1.20E+00	8.28E-01	2.03E+01
4416	489363.09	3857877.25	1.12402	0.43532	2.12027	1.69943	7.89252	1.17565	0.51224	0.43532	1.15E+01	1.96E-01	5.38E-05	8.80E-02	3.64E+00	1.63E-01	8.84E-01	7.21E-01	1.58E+01
4417	489863.09	3857877.25	0.95663	0.37849	1.61384	1.53305	6.65133	0.92727	0.39749	0.37849	9.81E+00	1.70E-01	4.09E-05	7.94E-02	3.07E+00	1.28E-01	6.86E-01	6.27E-01	1.33E+01
4418	490363.09	3857877.25	0.87933	0.31889	1.41909	1.86151	5.86777	0.78013	0.32362	0.31889	9.02E+00	1.44E-01	3.60E-05	9.64E-02	2.70E+00	1.08E-01	5.59E-01	5.28E-01	1.21E+01
4419	490863.09	3857877.25	0.7481	0.26833	1.27702	1.93087	5.27755	0.7058	0.26675	0.26833	7.67E+00	1.21E-01	3.24E-05	1.00E-01	2.43E+00	9.76E-02	4.61E-01	4.45E-01	1.04E+01
4420	491363.09	3857877.25	0.72619	0.26621	0.9934	4.17529	4.54581	0.68438	0.26758	0.26621	7.45E+00	1.20E-01	2.52E-05	2.16E-01	2.09E+00	9.46E-02	4.62E-01	4.41E-01	9.99E+00
4421	491863.09	3857877.25	0.72262	0.30076	0.86465	1.46532	3.3814	0.6726	0.30053	0.30076	7.41E+00	1.35E-01	2.19E-05	7.59E-02	1.56E+00	9.30E-02	5.19E-01	4.98E-01	9.29E+00
4422	492363.09	3857877.25	0.6685	0.32458	0.45301	0.54264	1.63817	0.37025	0.32091	0.32458	6.85E+00	1.46E-01	1.15E-05	2.81E-02	7.55E-01	5.12E-02	5.54E-01	5.38E-01	7.85E+00
4423	492863.09	3857877.25	0.56366	0.16157	0.29418	0.33906	1.0541	0.30849	0.1565	0.16157	5.78E+00	7.27E-02	7.46E-06	1.76E-02	4.86E-01	4.26E-02	2.70E-01	2.68E-01	6.40E+00
4424	493363.09	3857877.25	0.33218	0.12249	0.2471	0.3261	0.7865	0.28179	0.12241	0.12249	3.41E+00	5.51E-02	6.27E-06	1.69E-02	3.62E-01	3.90E-02	2.11E-01	2.03E-01	3.89E+00
4425	493863.09	3857877.25	0.32211	0.12536	0.22517	0.31877	0.77858	0.26266	0.12474	0.12536	3.30E+00	5.64E-02	5.71E-06	1.65E-02	3.59E-01	3.63E-02	2.15E-01	2.08E-01	3.78E+00
4426	494363.09	3857877.25	0.31187	0.11819	0.20903	0.3115	0.68899	0.27634	0.11733	0.11819	3.20E+00	5.32E-02	5.30E-06	1.61E-02	3.18E-01	3.82E-02	2.03E-01	1.96E-01	3.63E+00
4427	494863.09	3857877.25	0.23192	0.09617	0.1959	0.30765	0.47277	0.35456	0.09513	0.09617	2.38E+00	4.33E-02	4.97E-06	1.59E-02	2.18E-01	4.90E-02	1.64E-01	1.59E-01	2.71E+00
4428	495363.09	3857877.25	0.22894	0.07873	0.18499	0.3103	0.43869	0.43075	0.07741	0.07873	2.35E+00	3.54E-02	4.69E-06	1.61E-02	2.02E-01	5.96E-02	1.34E-01	1.30E-01	2.66E+00
4429	495863.09	3857877.25	0.22718	0.07727	0.17575	0.3092	0.43904	0.54877	0.06079	0.07727	2.33E+00	3.48E-02	4.46E-06	1.60E-02	2.02E-01	7.59E-02	1.05E-01	1.28E-01	2.64E+00
4430	496363.09	3857877.25	0.22697	0.07754	0.16817	0.30641	0.43785	1.12294	0.06433	0.07754	2.33E+00	3.49E-02	4.27E-06	1.59E-02	2.02E-01	1.55E-01	1.11E-01	1.28E-01	2.72E+00
4431	496863.09	3857877.25	0.22714	0.08143	0.16184	0.30165	0.43487	3.11016	0.07744	0.08143	2.33E+00	3.66E-02	4.11E-06	1.56E-02	2.00E-01	4.30E-01	1.34E-01	1.35E-01	3.01E+00
4432	497363.09	3857877.25	0.22727	0.08444	0.15664	0.29551	0.43053	2.77544	0.08428	0.08444	2.33E+00	3.80E-02	3.97E-06	1.53E-02	1.98E-01	3.84E-01	1.46E-01	1.40E-01	2.97E+00
4433	497863.09	3857877.25	0.23053	0.10874	0.15265	0.28864	0.69813	0.686	0.10892	0.10874	2.36E+00	4.89E-02	3.87E-06	1.49E-02	3.22E-01	9.48E-02	1.88E-01	1.80E-01	2.85E+00
4434	498363.09	3857877.25	0.45966	0.10702	0.14909	0.28149	0.68961	0.48677	0.10621	0.10702	4.71E+00	4.82E-02	3.78E-06	1.46E-02	3.18E-01	6.73E-02	1.83E-01	1.77E-01	5.17E+00
4435	471363.09	3858377.25	0.30944	0.09707	0.14842	0.15249	0.65577	0.17486	0.09866	0.09707	3.17E+00	4.37E-02	3.77E-06	7.89E-03	3.02E-01	2.42E-02	1.70E-01	1.61E-01	3.56E+00
4436	471863.09	3858377.25	0.3196	0.0978	0.13673	0.15425	0.71	0.17938	0.09939	0.0978	3.28E+00	4.40E-02	3.47E-06	7.99E-03	3.27E-01	2.48E-02	1.72E-01	1.62E-01	3.69E+00
4437	472363.09	3858377.25	0.33015	0.0985	0.16789	0.15429	0.76286	0.18453	0.10013	0.0985	3.39E+00	4.43E-02	4.26E-06	7.99E-03	3.52E-01	2.55E-02	1.73E-01	1.63E-01	3.82E+00
4438	472863.09	3858377.25	0.34199	0.1024	0.18137	0.15315	0.82405	0.20068	0.10413	0.1024	3.51E+00	4.61E-02	4.60E-06	7.93E-03	3.80E-01	2.77E-02	1.80E-01	1.70E-01	3.98E+00
4439	473363.09	3858377.25	0.35179	0.10597	0.19084	0.15252	0.88765	0.24085	0.10739	0.10597	3.61E+00	4.77E-02	4.84E-06	7.90E-03	4.09E-01	3.33E-02	1.85E-01	1.76E-01	4.12E+00
4440	473863.09	3858377.25	0.36203	0.10394	0.1618	0.14954	0.9272	0.23165	0.10565	0.10394	3.71E+00	4.68E-02	4.10E-06	7.74E-03	4.27E-01	3.20E-02	1.82E-01	1.72E-01	4.24E+00
4441	474363.09	3858377.25	0.36672	0.09244	0.13988	0.14646	0.85552	0.17963	0.09396	0.09244	3.76E+00	4.16E-02	3.55E-06	7.58E-03	3.94E-01	2.48E-02	1.62E-01	1.53E-01	4.24E+00
4442	474863.09	3858377.25	0.33056	0.08588	0.12635	0.1454	0.62	0.15046	0.0871	0.08588	3.39E+00	3.86E-02	3.21E-06	7.53E-03	2.86E-01	2.08E-02	1.50E-01	1.42E-01	3.75E+00

4443	475363.09	3858377.25	0.32921	0.07877	0.13409	0.1173	0.45335	0.16415	0.07717	0.07877
4444	475863.09	3858377.25	0.20633	0.06434	0.126	0.12366	0.46999	0.1508	0.06755	0.06434
4445	476363.09	3858377.25	0.20847	0.06521	0.11971	0.14416	0.4863	0.16285	0.07724	0.06521
4446	476863.09	3858377.25	0.21091	0.06628	0.15146	0.1515	0.49979	0.16501	0.08112	0.06628
4447	477363.09	3858377.25	0.21376	0.06646	0.18523	0.15595	0.50937	0.16514	0.08222	0.06646
4448	477863.09	3858377.25	0.35589	0.08056	0.24526	0.16653	0.5159	0.17745	0.08763	0.08056
4449	478363.09	3858377.25	0.36236	0.08204	0.25227	0.16797	0.5163	0.18291	0.08818	0.08204
4450	478863.09	3858377.25	0.23293	0.07356	0.1441	0.15619	0.29609	0.16805	0.08113	0.07356
4451	479363.09	3858377.25	0.49315	0.1048	0.30089	0.17395	0.81548	0.19827	0.10613	0.1048
4452	479863.09	3858377.25	0.59081	0.16166	0.57272	0.32014	2.28099	0.40056	0.14983	0.16166
4453	480363.09	3858377.25	0.58485	0.20407	0.56147	0.39354	2.66497	0.50048	0.18708	0.20407
4454	480863.09	3858377.25	0.60739	0.2129	0.52372	0.41256	2.9553	0.50636	0.2108	0.2129
4455	481363.09	3858377.25	0.64033	0.22943	0.80232	0.44059	3.10581	0.53249	0.23314	0.22943
4456	481863.09	3858377.25	0.68137	0.2336	0.79754	0.45448	3.2686	0.53777	0.23865	0.2336
4457	482363.09	3858377.25	0.71307	0.25428	1.01774	0.49241	3.41359	0.59823	0.25287	0.25428
4458	482863.09	3858377.25	0.70494	0.30425	1.32925	0.56112	3.51134	0.78989	0.28041	0.30425
4459	483363.09	3858377.25	0.69826	0.31807	0.94982	0.5469	3.16017	0.92905	0.31777	0.31807
4460	483863.09	3858377.25	0.74154	0.33463	1.21175	0.58767	3.06634	1.01218	0.29585	0.33463
4461	484363.09	3858377.25	0.81049	0.36784	1.19451	0.64355	3.35724	1.16646	0.29832	0.36784
4462	484863.09	3858377.25	0.94824	0.41469	1.45905	0.71096	3.48674	1.38769	0.31511	0.41469
4463	485363.09	3858377.25	1.2216	0.47959	1.49285	0.79124	3.39219	1.7267	0.32647	0.47959
4464	485863.09	3858377.25	1.36674	0.53642	2.09704	0.89985	3.77567	2.34602	0.35545	0.53642
4465	486363.09	3858377.25	2.13241	0.8305	2.81978	1.04271	4.58621	4.27283	0.39471	0.8305
4466	486863.09	3858377.25	2.27335	1.06343	2.85095	1.22174	4.95438	4.62532	0.51052	1.06343
4467	487363.09	3858377.25	1.96622	1.22729	2.28819	1.49738	3.45184	3.72038	0.62924	1.22729
4468	487863.09	3858377.25	2.01157	5.28499	4.00315	2.05839	5.35148	2.37272	1.22943	5.28499
4469	488363.09	3858377.25	2.21455	1.27953	2.92805	3.59448	14.9929	2.05825	2.7998	1.27953
4470	488863.09	3858377.25	1.75633	0.83336	2.22124	4.45099	7.21322	2.45527	0.99114	0.83336
4471	489363.09	3858377.25	1.13553	0.62365	1.90713	7.96858	6.74702	1.53894	0.74504	0.62365
4472	489863.09	3858377.25	0.97791	0.49321	1.21874	6.51607	6.81627	1.13123	0.5708	0.49321
4473	490363.09	3858377.25	0.8968	0.43586	1.44625	6.32659	4.97601	0.94573	0.44491	0.43586
4474	490863.09	3858377.25	0.85628	0.37703	1.61058	5.13258	4.05727	0.76672	0.36101	0.37703
4475	491363.09	3858377.25	0.82921	0.27457	1.18025	2.61415	3.89461	0.65539	0.27761	0.27457
4476	491863.09	3858377.25	0.84325	0.25387	0.79405	0.94005	3.29125	0.42954	0.27247	0.25387
4477	492363.09	3858377.25	0.70895	0.29505	0.51582	0.41473	1.40328	0.28859	0.29799	0.29505
4478	492863.09	3858377.25	0.69989	0.31472	0.30481	0.44017	1.62854	0.30819	0.31431	0.31472
4479	493363.09	3858377.25	0.63536	0.26404	0.29683	0.37824	1.70052	0.28197	0.26314	0.26404
4480	493863.09	3858377.25	0.59121	0.1566	0.25655	0.36238	1.646	0.27391	0.15524	0.1566
4481	494363.09	3858377.25	0.54479	0.11812	0.24256	0.3487	1.4913	0.26312	0.11884	0.11812
4482	494863.09	3858377.25	0.34571	0.12072	0.14889	0.32603	0.69171	0.3182	0.12068	0.12072
4483	495363.09	3858377.25	0.33656	0.11468	0.13685	0.27843	0.57166	0.45195	0.11421	0.11468
4484	495863.09	3858377.25	0.32892	0.10191	0.13721	0.25378	0.52891	0.60922	0.1015	0.10191
4485	496363.09	3858377.25	0.32032	0.08567	0.13827	0.2381	0.51132	2.05662	0.08505	0.08567
4486	496863.09	3858377.25	0.3124	0.10045	0.13743	0.22939	0.53109	0.79202	0.09862	0.10045
4487	497363.09	3858377.25	0.30301	0.13683	0.14239	0.20969	0.54443	0.49549	0.13533	0.13683
4488	497863.09	3858377.25	0.44927	0.17055	0.14645	0.20666	0.61446	0.55599	0.16997	0.17055
4489	498363.09	3858377.25	0.45283	0.17464	0.23887	0.21188	0.91794	0.45914	0.17361	0.17464
4490	471363.09	3858877.25	0.31406	0.11575	0.16041	0.15374	0.86902	0.15519	0.11598	0.11575
4491	471863.09	3858877.25	0.32215	0.11245	0.14708	0.15191	0.89704	0.15523	0.11262	0.11245
4492	472363.09	3858877.25	0.33343	0.11982	0.13351	0.1514	0.92849	0.15683	0.11991	0.11982
4493	472863.09	3858877.25	0.34248	0.1231	0.21247	0.15147	0.94282	0.16013	0.12309	0.1231
4494	473363.09	3858877.25	0.34162	0.13473	0.31801	0.15321	1.00208	0.18409	0.13465	0.13473
4495	473863.09	3858877.25	0.35591	0.12225	0.27621	0.15351	1.06039	0.17976	0.12203	0.12225
4496	474363.09	3858877.25	0.34671	0.09228	0.17325	0.15332	1.00495	0.14953	0.09401	0.09228
4497	474863.09	3858877.25	0.33577	0.07803	0.11465	0.11142	0.40832	0.153	0.07972	0.07803
4498	475363.09	3858877.25	0.20674	0.06342	0.1076	0.1192	0.39701	0.14281	0.07499	0.06342
4499	475863.09	3858877.25	0.20939	0.07033	0.11957	0.12916	0.38359	0.14854	0.08092	0.07033

3.38E+00	3.55E-02	3.40E-06	6.07E-03	2.09E-01	2.27E-02	1.33E-01	1.31E-01	3.65E+00
2.12E+00	2.90E-02	3.20E-06	6.40E-03	2.17E-01	2.08E-02	1.17E-01	1.07E-01	2.40E+00
2.14E+00	2.93E-02	3.04E-06	7.46E-03	2.24E-01	2.25E-02	1.33E-01	1.08E-01	2.45E+00
2.16E+00	2.98E-02	3.84E-06	7.84E-03	2.30E-01	2.28E-02	1.40E-01	1.10E-01	2.48E+00
2.19E+00	2.99E-02	4.70E-06	8.07E-03	2.35E-01	2.28E-02	1.42E-01	1.10E-01	2.52E+00
3.65E+00	3.63E-02	6.22E-06	8.62E-03	2.38E-01	2.45E-02	1.51E-01	1.33E-01	3.97E+00
3.72E+00	3.69E-02	6.40E-06	8.70E-03	2.38E-01	2.53E-02	1.52E-01	1.36E-01	4.04E+00
2.39E+00	3.31E-02	3.66E-06	8.09E-03	1.36E-01	2.32E-02	1.40E-01	1.22E-01	2.61E+00
5.06E+00	4.72E-02	7.63E-06	9.00E-03	3.76E-01	2.74E-02	1.83E-01	1.74E-01	5.53E+00
6.06E+00	7.28E-02	1.45E-05	1.66E-02	1.05E+00	5.54E-02	2.59E-01	2.68E-01	7.24E+00
6.00E+00	9.18E-02	1.42E-05	2.04E-02	1.23E+00	6.92E-02	3.23E-01	3.38E-01	7.39E+00
6.23E+00	9.58E-02	1.33E-05	2.14E-02	1.36E+00	7.00E-02	3.64E-01	3.53E-01	7.79E+00
6.57E+00	1.03E-01	2.04E-05	2.28E-02	1.43E+00	7.36E-02	4.03E-01	3.80E-01	8.22E+00
6.99E+00	1.05E-01	2.02E-05	2.35E-02	1.51E+00	7.43E-02	4.12E-01	3.87E-01	8.72E+00
7.31E+00	1.14E-01	2.58E-05	2.55E-02	1.57E+00	8.27E-02	4.37E-01	4.21E-01	9.12E+00
7.23E+00	1.37E-01	3.37E-05	2.90E-02	1.62E+00	1.09E-01	4.84E-01	5.04E-01	9.10E+00
7.16E+00	1.43E-01	2.41E-05	2.83E-02	1.46E+00	1.28E-01	5.49E-01	5.27E-01	8.94E+00
7.60E+00	1.51E-01	3.07E-05	3.04E-02	1.41E+00	1.40E-01	5.11E-01	5.54E-01	9.29E+00
8.31E+00	1.66E-01	3.03E-05	3.33E-02	1.55E+00	1.61E-01	5.15E-01	6.09E-01	1.01E+01
9.72E+00	1.87E-01	3.70E-05	3.68E-02	1.61E+00	1.92E-01	5.44E-01	6.87E-01	1.16E+01
1.25E+01	2.16E-01	3.79E-05	4.10E-02	1.56E+00	2.39E-01	5.64E-01	7.95E-01	1.44E+01
1.40E+01	2.41E-01	5.32E-05	4.66E-02	1.74E+00	3.24E-01	6.14E-01	8.89E-01	1.61E+01
2.19E+01	3.74E-01	7.15E-05	5.40E-02	2.11E+00	5.91E-01	6.81E-01	1.38E+00	2.43E+01
2.33E+01	4.79E-01	7.23E-05	6.32E-02	2.28E+00	6.39E-01	8.81E-01	1.76E+00	2.59E+01
2.02E+01	5.52E-01	5.80E-05	7.75E-02	1.59E+00	5.14E-01	1.09E+00	2.03E+00	2.19E+01
2.06E+01	2.38E+00	1.02E-04	1.07E-01	2.47E+00	3.28E-01	2.12E+00	8.76E+00	1.93E+01
2.27E+01	5.76E-01	7.43E-05	1.86E-01	6.91E+00	2.85E-01	4.83E+00	2.12E+00	3.34E+01
1.80E+01	3.75E-01	5.63E-05	2.30E-01	3.32E+00	3.39E-01	1.71E+00	1.38E+00	2.26E+01
1.16E+01	2.81E-01	4.84E-05	4.13E-01	3.11E+00	2.13E-01	1.29E+00	1.03E+00	1.59E+01
1.00E+01	2.22E-01	3.09E-05	3.37E-01	3.14E+00	1.56E-01	9.85E-01	8.17E-01	1.41E+01
9.20E+00	1.96E-01	3.67E-05	3.28E-01	2.29E+00	1.31E-01	7.68E-01	7.22E-01	1.22E+01
8.78E+00	1.70E-01	4.09E-05	2.66E-01	1.87E+00	1.06E-01	6.23E-01	6.25E-01	1.12E+01
8.50E+00	1.24E-01	2.99E-05	1.35E-01	1.79E+00	9.06E-02	4.79E-01	4.55E-01	1.07E+01
8.65E+00	1.14E-01	2.01E-05	4.87E-02	1.52E+00	5.94E-02	4.70E-01	4.21E-01	1.04E+01
7.27E+00	1.33E-01	1.31E-05	2.15E-02	6.47E-01	3.99E-02	5.14E-01	4.89E-01	8.14E+00
7.18E+00	1.42E-01	7.73E-06	2.28E-02	7.50E-01	4.26E-02	5.43E-01	5.21E-01	8.16E+00
6.51E+00	1.19E-01	7.53E-06	1.96E-02	7.84E-01	3.90E-02	4.54E-01	4.37E-01	7.49E+00
6.06E+00	7.05E-02	6.51E-06	1.88E-02	7.59E-01	3.79E-02	2.68E-01	2.59E-01	6.96E+00
5.59E+00	5.32E-02	6.15E-06	1.81E-02	6.87E-01	3.64E-02	2.05E-01	1.96E-01	6.39E+00
3.54E+00	5.43E-02	3.78E-06	1.69E-02	3.19E-01	4.40E-02	2.08E-01	2.00E-01	3.99E+00
3.45E+00	5.16E-02	3.47E-06	1.44E-02	2.63E-01	6.25E-02	1.97E-01	1.90E-01	3.85E+00
3.37E+00	4.59E-02	3.48E-06	1.31E-02	2.44E-01	8.42E-02	1.75E-01	1.69E-01	3.77E+00
3.28E+00	3.86E-02	3.51E-06	1.23E-02	2.36E-01	2.84E-01	1.47E-01	1.42E-01	3.86E+00
3.20E+00	4.52E-02	3.49E-06	1.19E-02	2.45E-01	1.09E-01	1.70E-01	1.66E-01	3.62E+00
3.11E+00	6.16E-02	3.61E-06	1.09E-02	2.51E-01	6.85E-02	2.34E-01	2.27E-01	3.51E+00
4.61E+00	7.68E-02	3.72E-06	1.07E-02	2.83E-01	7.69E-02	2.93E-01	2.83E-01	5.07E+00
4.64E+00	7.86E-02	6.06E-06	1.10E-02	4.23E-01	6.35E-02	3.00E-01	2.89E-01	5.23E+00
3.22E+00	5.21E-02	4.07E-06	7.96E-03	4.00E-01	2.15E-02	2.00E-01	1.92E-01	3.71E+00
3.30E+00	5.06E-02	3.73E-06	7.86E-03	4.13E-01	2.15E-02	1.94E-01	1.86E-01	3.80E+00
3.42E+00	5.39E-02	3.39E-06	7.84E-03	4.28E-01	2.17E-02	2.07E-01	1.99E-01	3.94E+00
3.51E+00	5.54E-02	5.39E-06	7.84E-03	4.34E-01	2.21E-02	2.13E-01	2.04E-01	4.04E+00
3.50E+00	6.06E-02	8.07E-06	7.93E-03	4.62E-01	2.55E-02	2.32E-01	2.23E-01	4.07E+00
3.65E+00	5.50E-02	7.01E-06	7.95E-03	4.89E-01	2.49E-02	2.11E-01	2.03E-01	4.23E+00
3.56E+00	4.15E-02	4.39E-06	7.94E-03	4.63E-01	2.07E-02	1.62E-01	1.53E-01	4.10E+00
3.44E+00	3.51E-02	2.91E-06	5.77E-03	1.88E-01	2.12E-02	1.38E-01	1.29E-01	3.70E+00
2.12E+00	2.85E-02	2.73E-06	6.17E-03	1.83E-01	1.97E-02	1.29E-01	1.05E-01	2.38E+00
2.15E+00	3.17E-02	3.03E-06	6.69E-03	1.77E-01	2.05E-02	1.40E-01	1.17E-01	2.41E+00

4500	476363.09	3858877.25	0.21069	0.06418	0.13229	0.1108	0.22996	0.12052	0.05853	0.06418	2.16E+00	2.89E-02	3.36E-06	5.74E-03	1.06E-01	1.67E-02	1.01E-01	1.06E-01	2.31E+00
4501	476863.09	3858877.25	0.21182	0.06521	0.1571	0.13423	0.25926	0.14703	0.07652	0.06521	2.17E+00	2.93E-02	3.99E-06	6.95E-03	1.19E-01	2.03E-02	1.32E-01	1.08E-01	2.37E+00
4502	477363.09	3858877.25	0.21108	0.06654	0.16998	0.1385	0.29822	0.15086	0.07893	0.06654	2.16E+00	2.99E-02	4.31E-06	7.17E-03	1.37E-01	2.09E-02	1.36E-01	1.10E-01	2.39E+00
4503	477863.09	3858877.25	0.21794	0.06843	0.20777	0.14151	0.38852	0.1557	0.08125	0.06843	2.23E+00	3.08E-02	5.27E-06	7.33E-03	1.79E-01	2.15E-02	1.40E-01	1.13E-01	2.50E+00
4504	478363.09	3858877.25	0.33247	0.08298	0.16467	0.16679	0.6612	0.17821	0.08671	0.08298	3.41E+00	3.73E-02	4.18E-06	8.63E-03	3.05E-01	2.46E-02	1.50E-01	1.37E-01	3.80E+00
4505	478863.09	3858877.25	0.31557	0.0822	0.15681	0.1508	0.74876	0.17779	0.08482	0.0822	3.24E+00	3.70E-02	3.98E-06	7.81E-03	3.45E-01	2.46E-02	1.46E-01	1.36E-01	3.66E+00
4506	479363.09	3858877.25	0.30047	0.08066	0.2216	0.14933	0.81961	0.16599	0.08278	0.08066	3.08E+00	3.63E-02	5.62E-06	7.73E-03	3.78E-01	2.29E-02	1.43E-01	1.34E-01	3.53E+00
4507	479863.09	3858877.25	0.49916	0.14595	0.53048	0.19021	2.58569	0.39132	0.1447	0.14595	5.12E+00	6.57E-02	1.35E-05	9.85E-03	1.19E+00	5.41E-02	2.50E-01	2.42E-01	6.45E+00
4508	480363.09	3858877.25	0.51294	0.17282	0.63938	0.21681	2.66931	0.46754	0.17132	0.17282	5.26E+00	7.78E-02	1.62E-05	1.12E-02	1.23E+00	6.46E-02	2.96E-01	2.86E-01	6.65E+00
4509	480863.09	3858877.25	0.53053	0.19241	0.56409	0.2469	2.48885	0.52521	0.19049	0.19241	5.44E+00	8.66E-02	1.43E-05	1.28E-02	1.15E+00	7.26E-02	3.29E-01	3.19E-01	6.77E+00
4510	481363.09	3858877.25	0.53985	0.20766	0.68377	0.28244	2.37004	0.56723	0.2053	0.20766	5.54E+00	9.35E-02	1.73E-05	1.46E-02	1.09E+00	7.84E-02	3.54E-01	3.44E-01	6.82E+00
4511	481863.09	3858877.25	0.57402	0.22623	0.86034	0.32416	2.11143	0.61616	0.22321	0.22623	5.89E+00	1.02E-01	2.18E-05	1.68E-02	9.73E-01	8.52E-02	3.85E-01	3.75E-01	7.07E+00
4512	482363.09	3858877.25	0.62267	0.24017	0.72362	0.36348	2.53837	0.63985	0.23686	0.24017	6.38E+00	1.08E-01	1.84E-05	1.88E-02	1.17E+00	8.85E-02	4.09E-01	3.98E-01	7.78E+00
4513	482863.09	3858877.25	0.66661	0.2659	0.8405	0.41252	2.82391	0.69576	0.26136	0.2659	6.84E+00	1.20E-01	2.13E-05	2.14E-02	1.30E+00	9.62E-02	4.51E-01	4.41E-01	8.38E+00
4514	483363.09	3858877.25	0.64255	0.49581	1.00636	0.38958	2.68311	0.79584	0.49707	0.49581	6.59E+00	2.23E-01	2.55E-05	2.02E-02	1.24E+00	1.10E-01	8.58E-01	8.22E-01	8.22E+00
4515	483863.09	3858877.25	0.70269	0.48827	1.23817	0.43323	2.74105	0.82458	0.4887	0.48827	7.21E+00	2.20E-01	3.14E-05	2.24E-02	1.26E+00	1.14E-01	8.44E-01	8.09E-01	8.86E+00
4516	484363.09	3858877.25	0.78849	0.43488	1.11231	0.48887	2.45425	0.89082	0.43444	0.43488	8.09E+00	1.96E-01	2.82E-05	2.53E-02	1.13E+00	1.23E-01	7.50E-01	7.21E-01	9.59E+00
4517	484863.09	3858877.25	0.89711	0.36175	0.93591	0.54819	2.45333	0.9933	0.36086	0.36175	9.20E+00	1.63E-01	2.37E-05	2.84E-02	1.13E+00	1.37E-01	6.23E-01	5.99E-01	1.07E+01
4518	485363.09	3858877.25	1.03954	0.42772	1.34379	0.60275	2.96422	1.21643	0.34642	0.42772	1.07E+01	1.92E-01	3.41E-05	3.12E-02	1.37E+00	1.68E-01	5.98E-01	7.09E-01	1.23E+01
4519	485863.09	3858877.25	1.25295	0.42758	1.48392	0.68861	3.73734	1.4609	0.38138	0.42758	1.28E+01	1.92E-01	3.76E-05	3.56E-02	1.72E+00	2.02E-01	6.58E-01	7.08E-01	1.50E+01
4520	486363.09	3858877.25	1.67856	0.5119	2.32229	0.87073	3.8405	2.07344	0.41959	0.5119	1.72E+01	2.30E-01	5.89E-05	4.51E-02	1.77E+00	2.87E-01	7.24E-01	8.48E-01	1.94E+01
4521	486863.09	3858877.25	2.49801	0.7369	2.52385	1.14103	2.68774	2.23978	0.47159	0.7369	2.56E+01	3.32E-01	6.40E-05	5.91E-02	1.24E+00	3.10E-01	8.14E-01	1.22E+00	2.71E+01
4522	487363.09	3858877.25	2.34711	0.89288	2.55505	1.74264	2.95147	2.25075	0.56694	0.89288	2.41E+01	4.02E-01	6.48E-05	9.02E-02	1.36E+00	3.11E-01	9.79E-01	1.48E+00	2.57E+01
4523	487863.09	3858877.25	2.0339	0.88903	2.24666	2.01382	3.84373	4.40313	0.69835	0.88903	2.09E+01	4.00E-01	5.70E-05	1.04E-01	1.77E+00	6.09E-01	1.21E+00	1.47E+00	2.35E+01
4524	488363.09	3858877.25	1.95641	1.41044	2.23353	2.32129	5.24873	2.06644	1.04182	1.41044	2.01E+01	6.35E-01	5.67E-05	1.20E-01	2.42E+00	2.86E-01	1.80E+00	2.34E+00	2.30E+01
4525	488863.09	3858877.25	2.1675	3.16416	2.50728	4.07149	11.229	1.78176	5.44501	3.16416	2.22E+01	1.42E+00	6.36E-05	2.11E-01	5.17E+00	2.46E-01	9.40E+00	5.24E+00	3.34E+01
4526	489363.09	3858877.25	1.65533	1.18151	1.48714	5.09544	4.49324	2.38715	1.10839	1.18151	1.70E+01	5.32E-01	3.77E-05	2.64E-01	2.07E+00	3.30E-01	1.91E+00	1.96E+00	2.01E+01
4527	489863.09	3858877.25	1.20487	0.79498	3.07866	2.25991	3.55398	1.48695	0.77721	0.79498	1.24E+01	3.58E-01	7.81E-05	1.17E-01	1.64E+00	2.06E-01	1.34E+00	1.32E+00	1.47E+01
4528	490363.09	3858877.25	0.95429	0.56062	2.28463	1.66934	5.42154	1.08403	0.5747	0.56062	9.79E+00	2.52E-01	5.80E-05	8.64E-02	2.50E+00	1.50E-01	9.92E-01	9.29E-01	1.28E+01
4529	490863.09	3858877.25	0.96488	0.34207	2.00874	1.29292	4.60481	0.67884	0.45991	0.34207	9.89E+00	1.54E-01	5.10E-05	6.69E-02	2.12E+00	9.39E-02	7.94E-01	5.67E-01	1.26E+01
4530	491363.09	3858877.25	0.99801	0.31882	1.04983	0.74778	3.301	0.53616	0.39067	0.31882	1.02E+01	1.43E-01	2.66E-05	3.87E-02	1.52E+00	7.41E-02	6.74E-01	5.28E-01	1.22E+01
4531	491863.09	3858877.25	0.92006	0.22088	0.54112	0.45284	1.4985	0.31138	0.25938	0.22088	9.43E+00	9.94E-02	1.37E-05	2.34E-02	6.91E-01	4.30E-02	4.48E-01	3.66E-01	1.04E+01
4532	492363.09	3858877.25	0.88816	0.19305	0.46373	0.58935	2.24426	0.37189	0.23826	0.19305	9.11E+00	8.69E-02	1.18E-05	3.05E-02	1.03E+00	5.14E-02	4.11E-01	3.20E-01	1.04E+01
4533	492863.09	3858877.25	0.82591	0.24421	0.83949	0.68396	2.57066	0.46165	0.26364	0.24421	8.47E+00	1.10E-01	2.13E-05	3.54E-02	1.18E+00	6.38E-02	4.55E-01	4.05E-01	9.91E+00
4534	493363.09	3858877.25	0.77539	0.26759	0.54997	0.60999	2.47147	0.42207	0.27255	0.26759	7.95E+00	1.20E-01	1.40E-05	3.16E-02	1.14E+00	5.84E-02	4.71E-01	4.43E-01	9.33E+00
4535	493863.09	3858877.25	0.70062	0.30724	0.36553	0.3649	1.48197	0.48519	0.3098	0.30724	7.18E+00	1.38E-01	9.27E-06	1.89E-02	6.83E-01	6.71E-02	5.35E-01	5.09E-01	8.12E+00
4536	494363.09	3858877.25	0.65337	0.26302	0.34198	0.34356	1.03728	0.44868	0.26479	0.26302	6.70E+00	1.18E-01	8.68E-06	1.78E-02	4.78E-01	6.20E-02	4.57E-01	4.36E-01	7.40E+00
4537	494863.09	3858877.25	0.60244	0.16103	0.32926	0.31639	1.24349	0.54114	0.16193	0.16103	6.18E+00	7.25E-02	8.35E-06	1.64E-02	5.73E-01	7.48E-02	2.80E-01	2.67E-01	6.93E+00
4538	495363.09	3858877.25	0.55437	0.11431	0.28968	0.30243	1.37693	0.61704	0.13487	0.11431	5.68E+00	5.14E-02	7.35E-06	1.57E-02	6.35E-01	8.53E-02	2.33E-01	1.89E-01	6.51E+00
4539	495863.09	3858877.25	0.51775	0.117	0.26088	0.31008	1.42791	1.9861	0.1398	0.117	5.31E+00	5.27E-02	6.62E-06	1.61E-02	6.58E-01	2.75E-01	2.41E-01	1.94E-01	6.36E+00
4540	496363.09	3858877.25	0.48946	0.11229	0.24058	0.31308	1.4001	1.22876	0.13949	0.11229	5.02E+00	5.05E-02	6.10E-06	1.62E-02	6.45E-01	1.70E-01	2.41E-01	1.86E-01	5.96E+00
4541	496863.09	3858877.25	0.46457	0.10102	0.22498	0.29472	1.30845	1.01478	0.12832	0.10102	4.76E+00	4.55E-02	5.71E-06	1.53E-02	6.03E-01	1.40E-01	2.22E-01	1.67E-01	5.62E+00
4542	497363.09	3858877.25	0.44395	0.10807	0.21344	0.2726	1.17415	0.65637	0.11315	0.10807	4.55E+00	4.86E-02	5.41E-06	1.41E-02	5.41E-01	9.07E-02	1.95E-01	1.79E-01	5.26E+00
4543	497863.09	3858877.25	0.43734	0.17472	0.2052	0.28266	1.06697	0.50299	0.1754	0.17472	4.48E+00	7.86E-02	5.21E-06	1.46E-02	4.92E-01	6.95E-02	3.03E-01	2.90E-01	5.15E+00
4544	498363.09	3858877.25	0.43516	0.21128	0.217	0.28847	1.11553	0.45989	0.21224	0.21128	4.46E+00	9.51E-02	5.50E-06	1.49E-02	5.14E-01	6.36E-02	3.66E-01	3.50E-01	5.17E+00
4545	471363.09	3859377.25	0.33908	0.09358	0.162	0.15396	0.85155	0.1617	0.09494	0.09358	3.48E+00	4.21E-02	4.11E-06	7.97E-03	3.92E-01	2.24E-02	1.64E-01	1.55E-01	3.95E+00
4546	471863.09	3859377.25	0.34521	0.09499	0.22477	0.15486	0.83271	0.16387	0.0963	0.09499	3.54E+00	4.27E-02	5.70E-06	8.02E-03	3.84E-01	2.27E-02	1.66E-01	1.57E-01	4.01E+00
4547	472363.09	3859377.25	0.35172	0.10475	0.27761	0.15678	0.8053	0.1668	0.10607	0.10475	3.61E+00	4.71E-02	7.04E-06	8.12E-03	3.71E-01	2.31E-02	1.83E-01	1.74E-01	4.07E+00
4548	472863.09	3859377.25	0.35244	0.115	0.25691	0.15872	0.91763	0.16935	0.11647	0.115	3.61E+00	5.18E-02	6.52E-06	8.22E-03	4.23E-01	2.34E-02	2.01E-01	1.91E-01	4.13E+00
4549	473363.09	3859377.25	0.35022	0.12843	0.23611	0.16111	1.09957	0.17207	0.1301	0.12843	3.59E+00	5.78E-02	5.99E-06	8.34E-03	5.07E-01	2.38E-02	2.25E-01	2.13E-01	4.20E+00
4550	473863.09	3859377.25	0.35869	0.13111	0.18411	0.16258	1.27671	0.17402	0.1328	0.13111	3.68E+00	5.90E-02	4.67E-06	8.42E-03	5.88E-01	2.41E-02	2.29E-01	2.17E-01	4.37E+00
4551	474363.09	3859377.25	0.36017	0.09494	0.18198	0.16219	1.31528	0.1487	0.09615	0.09494	3.69E+00	4.27E-02	4.62E-06	8.40E-03	6.06E-01	2.06E-02	1.66E-01	1.57E-01	4.38E+00
4552	474863.09	3859377.25	0.35129	0.08492	0.1571	0.16168	0.86926	0.14955	0.08895	0.08492	3.60E+00	3.82E-02	3.99E-06	8.37E-03	4.01E-01	2.07E-02	1.54E-01	1.41E-01	4.08E+00
4553	475363.09	3859377.25	0.34383	0.08027	0.15896	0.1164	0.51264	0.13484	0.08726	0.08027	3.53E+00	3.61E-02	4.03E-06	6.03E-03	2.36E-01	1.86E-02	1.51E-01	1.33E-01	3.84E+00
4554	475863.09	3859377.25	0.20361	0.06377	0.13538	0.1178	0.32422	0.12818	0.07801	0.06377	2.09E+00	2.87E-02	3.43E-06	6.10E-03	1.49E-01	1.77E-02	1.35E-01	1.06E-01	2.32E+00
4555	476363.09	3859377.25	0.19779	0.0644	0.15278	0.11933	0.32693	0.13015	0.07208	0.0644	2.03E+00	2.90E-02	3.88E-06	6.18E-03	1.51E-01	1.80E-02	1.24E-01	1.07E-01	2.25E+00
4556	476863.09	3859377.25	0.1903	0.06519	0.15244	0.1208	0.3561	0.13242	0.05895	0.06519	1.95E+00	2.93E-02	3.87E-06	6.25E-03	1.64E-01	1.83E-02	1.02E-01	1.08E-01	2.16E+00

4557	477363.09	3859377.25	0.1838	0.0667	0.13102	0.12276	0.37654	0.13922	0.05979	0.0667	1.88E+00	3.00E-02	3.32E-06	6.35E-03	1.74E-01	1.92E-02	1.03E-01	1.11E-01	2.11E+00
4558	477863.09	3859377.25	0.21631	0.06831	0.16752	0.12865	0.50412	0.14868	0.08185	0.06831	2.22E+00	3.07E-02	4.25E-06	6.66E-03	2.32E-01	2.06E-02	1.41E-01	1.13E-01	2.54E+00
4559	478363.09	3859377.25	0.2773	0.08251	0.19446	0.13777	0.80664	0.15339	0.08516	0.08251	2.84E+00	3.71E-02	4.93E-06	7.13E-03	3.72E-01	2.12E-02	1.47E-01	1.37E-01	3.29E+00
4560	478863.09	3859377.25	0.39335	0.08678	0.2065	0.18654	1.39026	0.17866	0.09191	0.08678	4.03E+00	3.91E-02	5.24E-06	9.66E-03	6.41E-01	2.47E-02	1.59E-01	1.44E-01	4.76E+00
4561	479363.09	3859377.25	0.45687	0.10183	0.26722	0.24338	1.60105	0.18654	0.09634	0.10183	4.68E+00	4.58E-02	6.78E-06	1.26E-02	7.38E-01	2.58E-02	1.66E-01	1.69E-01	5.50E+00
4562	479863.09	3859377.25	0.49079	0.12881	0.44261	0.31057	1.73423	0.25082	0.13121	0.12881	5.03E+00	5.80E-02	1.12E-05	1.61E-02	7.99E-01	3.47E-02	2.27E-01	2.13E-01	5.95E+00
4563	480363.09	3859377.25	0.49628	0.16212	0.52846	0.34619	1.80124	0.3416	0.16547	0.16212	5.09E+00	7.30E-02	1.34E-05	1.79E-02	8.30E-01	4.72E-02	2.86E-01	2.69E-01	6.07E+00
4564	480863.09	3859377.25	0.48591	0.17924	0.5387	0.35154	1.90578	0.40604	0.183	0.17924	4.98E+00	8.07E-02	1.37E-05	1.82E-02	8.78E-01	5.61E-02	3.16E-01	2.97E-01	6.03E+00
4565	481363.09	3859377.25	0.46429	0.18922	0.74676	0.37233	2.1071	0.45516	0.1932	0.18922	4.76E+00	8.52E-02	1.89E-05	1.93E-02	9.71E-01	6.29E-02	3.34E-01	3.14E-01	5.92E+00
4566	481863.09	3859377.25	0.45459	0.19695	0.82752	0.39132	2.15454	0.49859	0.20131	0.19695	4.66E+00	8.86E-02	2.10E-05	2.03E-02	9.93E-01	6.89E-02	3.48E-01	3.26E-01	5.85E+00
4567	482363.09	3859377.25	0.46227	0.21588	0.69336	0.4063	2.51729	0.53763	0.20832	0.21588	4.74E+00	9.72E-02	1.76E-05	2.10E-02	1.16E+00	7.43E-02	3.60E-01	3.58E-01	6.09E+00
4568	482863.09	3859377.25	0.47554	0.22112	0.69748	0.47783	2.48074	0.61043	0.226	0.22112	4.88E+00	9.95E-02	1.77E-05	2.47E-02	1.14E+00	8.44E-02	3.90E-01	3.66E-01	6.25E+00
4569	483363.09	3859377.25	0.48829	0.25192	0.78041	0.49466	2.06917	0.72173	0.2527	0.25192	5.01E+00	1.13E-01	1.98E-05	2.56E-02	9.54E-01	9.98E-02	4.36E-01	4.17E-01	6.22E+00
4570	483863.09	3859377.25	0.51924	0.30677	0.96986	0.5192	1.58638	0.72598	0.30855	0.30677	5.32E+00	1.38E-01	2.46E-05	2.69E-02	7.31E-01	1.00E-01	5.33E-01	5.08E-01	6.35E+00
4571	484363.09	3859377.25	0.58108	0.41778	0.99668	0.6485	2.33943	0.82617	0.42	0.41778	5.96E+00	1.88E-01	2.53E-05	3.36E-02	1.08E+00	1.14E-01	7.25E-01	6.92E-01	7.41E+00
4572	484863.09	3859377.25	0.66184	0.51459	0.72104	0.8158	2.39719	0.96309	0.51667	0.51459	6.79E+00	2.32E-01	1.83E-05	4.22E-02	1.10E+00	1.33E-01	8.92E-01	8.53E-01	8.34E+00
4573	485363.09	3859377.25	0.77848	0.56307	1.4309	0.95105	3.14951	1.16122	0.56432	0.56307	7.98E+00	2.53E-01	3.63E-05	4.92E-02	1.45E+00	1.61E-01	9.74E-01	9.33E-01	9.94E+00
4574	485863.09	3859377.25	0.95694	0.539	1.30218	0.96832	3.13467	1.48574	0.53902	0.539	9.81E+00	2.43E-01	3.30E-05	5.01E-02	1.44E+00	2.05E-01	9.31E-01	8.93E-01	1.18E+01
4575	486363.09	3859377.25	1.24412	0.45184	1.39828	0.90577	2.27338	2.13351	0.45072	0.45184	1.28E+01	2.03E-01	3.55E-05	4.69E-02	1.05E+00	2.95E-01	7.78E-01	7.49E-01	1.44E+01
4576	486863.09	3859377.25	2.17463	0.49684	1.94974	1.12012	2.34541	3.8656	0.4429	0.49684	2.23E+01	2.24E-01	4.95E-05	5.80E-02	1.08E+00	5.34E-01	7.65E-01	8.23E-01	2.41E+01
4577	487363.09	3859377.25	2.60256	0.66089	1.48064	1.10864	2.88214	1.77493	0.51424	0.66089	2.67E+01	2.97E-01	3.76E-05	5.74E-02	1.33E+00	2.45E-01	8.88E-01	1.10E+00	2.84E+01
4578	487863.09	3859377.25	2.40177	0.72076	1.78266	1.27837	2.83895	1.65788	0.62198	0.72076	2.46E+01	3.24E-01	4.52E-05	6.62E-02	1.31E+00	2.29E-01	1.07E+00	1.19E+00	2.64E+01
4579	488363.09	3859377.25	2.08601	0.7723	1.35956	1.48632	4.28303	5.80561	0.76547	0.7723	2.14E+01	3.48E-01	3.45E-05	7.69E-02	1.97E+00	8.03E-01	1.32E+00	1.28E+00	2.46E+01
4580	488863.09	3859377.25	1.93202	1.03269	1.64819	2.54967	7.10797	2.32627	1.0266	1.03269	1.98E+01	4.65E-01	4.18E-05	1.32E-01	3.28E+00	3.22E-01	1.77E+00	1.71E+00	2.41E+01
4581	489363.09	3859377.25	1.58223	1.71646	3.6823	2.85444	6.60346	1.40185	1.77018	1.71646	1.62E+01	7.72E-01	9.34E-05	1.48E-01	3.04E+00	1.94E-01	3.06E+00	2.84E+00	2.06E+01
4582	489863.09	3859377.25	1.84874	2.62131	21.56023	7.41781	2.92516	5.60748	2.61607	2.62131	1.90E+01	1.18E+00	5.47E-04	3.84E-01	1.35E+00	7.75E-01	4.52E+00	4.34E+00	2.28E+01
4583	490363.09	3859377.25	1.2059	0.9864	5.79024	2.23864	2.33901	1.71092	0.95935	0.9864	1.24E+01	4.44E-01	1.47E-04	1.16E-01	1.08E+00	2.37E-01	1.66E+00	1.63E+00	1.43E+01
4584	490863.09	3859377.25	1.00255	0.49161	4.60564	1.2611	3.26921	0.96037	0.57549	0.49161	1.03E+01	2.21E-01	1.17E-04	6.53E-02	1.51E+00	1.33E-01	9.94E-01	8.15E-01	1.24E+01
4585	491363.09	3859377.25	0.93684	0.28926	1.3752	0.66727	4.66639	0.48853	0.38011	0.28926	9.61E+00	1.30E-01	3.49E-05	3.45E-02	2.15E+00	6.75E-02	6.56E-01	4.79E-01	1.22E+01
4586	491863.09	3859377.25	0.85243	0.31427	1.92837	0.78903	3.45726	0.62064	0.39165	0.31427	8.74E+00	1.41E-01	4.89E-05	4.08E-02	1.59E+00	8.58E-02	6.76E-01	5.21E-01	1.08E+01
4587	492363.09	3859377.25	0.81988	0.29315	1.59185	0.79037	2.55981	0.59213	0.33112	0.29315	8.41E+00	1.32E-01	4.04E-05	4.09E-02	1.18E+00	8.19E-02	5.72E-01	4.86E-01	9.93E+00
4588	492863.09	3859377.25	0.77816	0.28578	1.3798	0.87967	2.75906	0.5638	0.29501	0.28578	7.98E+00	1.29E-01	3.50E-05	4.55E-02	1.27E+00	7.79E-02	5.09E-01	4.74E-01	9.54E+00
4589	493363.09	3859377.25	0.7627	0.26845	0.93932	0.83907	2.35751	0.52114	0.28042	0.26845	7.82E+00	1.21E-01	2.38E-05	4.34E-02	1.09E+00	7.20E-02	4.84E-01	4.45E-01	9.18E+00
4590	493863.09	3859377.25	0.72166	0.26144	0.80779	0.78345	2.42093	0.74147	0.27185	0.26144	7.40E+00	1.18E-01	2.05E-05	4.06E-02	1.12E+00	1.03E-01	4.69E-01	4.33E-01	8.81E+00
4591	494363.09	3859377.25	0.69727	0.24916	0.75487	0.68605	2.0135	1.13399	0.26383	0.24916	7.15E+00	1.12E-01	1.91E-05	3.55E-02	9.28E-01	1.57E-01	4.56E-01	4.13E-01	8.42E+00
4592	494863.09	3859377.25	0.6415	0.27776	0.45409	0.41606	1.7568	2.86425	0.2803	0.27776	6.58E+00	1.25E-01	1.15E-05	2.15E-02	8.10E-01	3.96E-01	4.84E-01	4.60E-01	7.95E+00
4593	495363.09	3859377.25	0.60223	0.23184	0.41484	0.40985	1.71935	1.23716	0.23353	0.23184	6.18E+00	1.04E-01	1.05E-05	2.12E-02	7.92E-01	1.71E-01	4.03E-01	3.84E-01	7.28E+00
4594	495863.09	3859377.25	0.56341	0.15261	0.36772	0.39473	1.51263	0.89363	0.16053	0.15261	5.78E+00	6.87E-02	9.33E-06	2.04E-02	6.97E-01	1.24E-01	2.77E-01	2.53E-01	6.71E+00
4595	496363.09	3859377.25	0.53347	0.12509	0.33831	0.40172	1.36775	0.66766	0.16403	0.12509	5.47E+00	5.63E-02	8.58E-06	2.08E-02	6.30E-01	9.23E-02	2.83E-01	2.07E-01	6.35E+00
4596	496863.09	3859377.25	0.49477	0.11444	0.27078	0.38229	1.02962	0.57807	0.16163	0.11444	5.07E+00	5.15E-02	6.87E-06	1.98E-02	4.74E-01	7.99E-02	2.79E-01	1.90E-01	5.79E+00
4597	497363.09	3859377.25	0.47013	0.11202	0.2983	0.39676	1.41829	0.50863	0.16669	0.11202	4.82E+00	5.04E-02	7.57E-06	2.05E-02	6.54E-01	7.03E-02	2.88E-01	1.86E-01	5.72E+00
4598	497863.09	3859377.25	0.45511	0.12141	0.397	0.43075	1.77389	0.47956	0.16186	0.12141	4.67E+00	5.46E-02	1.01E-05	2.23E-02	8.17E-01	6.63E-02	2.79E-01	2.01E-01	5.71E+00
4599	498363.09	3859377.25	0.43552	0.18386	0.45408	0.55448	1.69743	0.50278	0.21922	0.18386	4.47E+00	8.27E-02	1.15E-05	2.87E-02	7.82E-01	6.95E-02	3.78E-01	3.05E-01	5.50E+00
4600	471363.09	3859877.25	0.35261	0.08978	0.25737	0.15905	1.15041	0.17002	0.0908	0.08978	3.62E+00	4.04E-02	6.53E-06	8.23E-03	5.30E-01	2.35E-02	1.57E-01	1.49E-01	4.23E+00
4601	471863.09	3859877.25	0.35379	0.0933	0.21702	0.16364	1.25492	0.17199	0.09434	0.0933	3.63E+00	4.20E-02	5.51E-06	8.47E-03	5.78E-01	2.38E-02	1.63E-01	1.55E-01	4.29E+00
4602	472363.09	3859877.25	0.35802	0.09391	0.20331	0.16839	1.34009	0.17364	0.09496	0.09391	3.67E+00	4.23E-02	5.16E-06	8.72E-03	6.18E-01	2.40E-02	1.64E-01	1.56E-01	4.37E+00
4603	472863.09	3859877.25	0.35201	0.09912	0.178	0.17303	1.37217	0.17569	0.10017	0.09912	3.61E+00	4.46E-02	4.52E-06	8.96E-03	6.32E-01	2.43E-02	1.73E-01	1.64E-01	4.33E+00
4604	473363.09	3859877.25	0.34563	0.10412	0.18884	0.18325	1.36859	0.17754	0.1052	0.10412	3.54E+00	4.69E-02	4.79E-06	9.49E-03	6.31E-01	2.45E-02	1.82E-01	1.73E-01	4.26E+00
4605	473863.09	3859877.25	0.34047	0.1048	0.18605	0.19567	1.34597	0.179	0.10588	0.1048	3.49E+00	4.72E-02	4.72E-06	1.01E-02	6.20E-01	2.47E-02	1.83E-01	1.74E-01	4.20E+00
4606	474363.09	3859877.25	0.34713	0.09258	0.14353	0.19206	1.29932	0.17861	0.09412	0.09258	3.56E+00	4.17E-02	3.64E-06	9.94E-03	5.99E-01	2.47E-02	1.62E-01	1.53E-01	4.24E+00
4607	474863.09	3859877.25	0.32199	0.08748	0.16507	0.16355	1.32444	0.15337	0.09307	0.08748	3.30E+00	3.94E-02	4.19E-06	8.47E-03	6.10E-01	2.12E-02	1.61E-01	1.45E-01	4.00E+00
4608	475363.09	3859877.25	0.29779	0.08447	0.18154	0.12022	0.77074	0.12881	0.09208	0.08447	3.05E+00	3.80E-02	4.61E-06	6.22E-03	3.55E-01	1.78E-02	1.59E-01	1.40E-01	3.49E+00
4609	475863.09	3859877.25	0.17478	0.06333	0.14852	0.11724	0.4675	0.12976	0.07675	0.06333	1.79E+00	2.85E-02	3.77E-06	6.07E-03	2.15E-01	1.79E-02	1.33E-01	1.05E-01	2.09E+00
4610	476363.09	3859877.25	0.16826	0.06373	0.1178	0.11735	0.37477	0.13089	0.0584	0.06373	1.73E+00	2.87E-02	2.99E-06	6.07E-03	1.73E-01	1.81E-02	1.01E-01	1.06E-01	1.95E+00
4611	476863.09	3859877.25	0.1657	0.06527	0.12275	0.11791	0.50737	0.13657	0.05935	0.06527	1.70E+00	2.94E-02	3.11E-06	6.10E-03	2.34E-01	1.89E-02	1.02E-01	1.08E-01	1.98E+00
4612	477363.09	3859877.25	0.16688	0.06628	0.15354	0.1212	0.64328	0.1446	0.06004	0.06628	1.71E+00	2.98E-02	3.89E-06	6.27E-03	2.96E-01	2.00E-02	1.04E-01	1.10E-01	2.06E+00
4613	477863.09	3859877.25	0.20235	0.07242	0.14556	0.12636	0.75349	0.14965	0.08597	0.07242	2.07E+00	3.26E-02	3.69E-06	6.54E-03	3.47E-01	2.07E-02	1.48E-01	1.20E-01	2.51E+00

4614	478363.09	3859877.25	0.27041	0.08809	0.19316	0.12922	0.81232	0.15552	0.09059	0.08809	2.77E+00	3.96E-02	4.90E-06	6.69E-03	3.74E-01	2.15E-02	1.56E-01	1.46E-01	3.23E+00
4615	478863.09	3859877.25	0.41097	0.0922	0.23248	0.17735	1.58507	0.19079	0.09398	0.0922	4.21E+00	4.15E-02	5.90E-06	9.18E-03	7.30E-01	2.64E-02	1.62E-01	1.53E-01	5.03E+00
4616	479363.09	3859877.25	0.46757	0.10659	0.30998	0.25476	1.49012	0.26473	0.10673	0.10659	4.79E+00	4.80E-02	7.86E-06	1.32E-02	6.87E-01	3.66E-02	1.84E-01	1.77E-01	5.59E+00
4617	479863.09	3859877.25	0.47252	0.15377	0.39139	0.3496	1.74332	0.30352	0.15694	0.15377	4.85E+00	6.92E-02	9.93E-06	1.81E-02	8.03E-01	4.20E-02	2.71E-01	2.55E-01	5.79E+00
4618	480363.09	3859877.25	0.45487	0.19795	0.51022	0.40505	1.64114	0.37408	0.20205	0.19795	4.66E+00	8.91E-02	1.29E-05	2.10E-02	7.56E-01	5.17E-02	3.49E-01	3.28E-01	5.60E+00
4619	480863.09	3859877.25	0.43796	0.21678	0.65842	0.4407	1.93621	0.40122	0.22092	0.21678	4.49E+00	9.76E-02	1.67E-05	2.28E-02	8.92E-01	5.55E-02	3.81E-01	3.59E-01	5.58E+00
4620	481363.09	3859877.25	0.43393	0.22608	0.57983	0.45802	2.07585	0.40257	0.23017	0.22608	4.45E+00	1.02E-01	1.47E-05	2.37E-02	9.57E-01	5.57E-02	3.97E-01	3.75E-01	5.61E+00
4621	481863.09	3859877.25	0.44606	0.22307	0.48942	0.48796	1.91968	0.41072	0.22717	0.22307	4.57E+00	1.00E-01	1.24E-05	2.53E-02	8.85E-01	5.68E-02	3.92E-01	3.70E-01	5.66E+00
4622	482363.09	3859877.25	0.46734	0.22359	0.59457	0.584	1.72309	0.42433	0.22743	0.22359	4.79E+00	1.01E-01	1.51E-05	3.02E-02	7.94E-01	5.87E-02	3.93E-01	3.70E-01	5.80E+00
4623	482863.09	3859877.25	0.49878	0.22343	1.01168	0.65969	1.41365	0.45335	0.22716	0.22343	5.11E+00	1.01E-01	2.57E-05	3.41E-02	6.51E-01	6.27E-02	3.92E-01	3.70E-01	5.99E+00
4624	483363.09	3859877.25	0.52512	0.2276	0.72071	0.6854	1.88329	0.48765	0.23085	0.2276	5.38E+00	1.02E-01	1.83E-05	3.55E-02	8.68E-01	6.74E-02	3.99E-01	3.77E-01	6.48E+00
4625	483863.09	3859877.25	0.52406	0.25325	0.5145	0.62406	2.12965	0.5655	0.2504	0.25325	5.37E+00	1.14E-01	1.31E-05	3.23E-02	9.81E-01	7.82E-02	4.32E-01	4.20E-01	6.59E+00
4626	484363.09	3859877.25	0.56658	0.27941	0.83365	0.58734	1.8118	0.62089	0.28055	0.27941	5.81E+00	1.26E-01	2.11E-05	3.04E-02	8.35E-01	8.58E-02	4.84E-01	4.63E-01	6.91E+00
4627	484863.09	3859877.25	0.62602	0.32194	0.96404	0.63067	2.71312	0.74031	0.32278	0.32194	6.42E+00	1.45E-01	2.45E-05	3.26E-02	1.25E+00	1.02E-01	5.57E-01	5.33E-01	7.97E+00
4628	485363.09	3859877.25	0.69852	0.34077	1.04841	0.73207	2.64817	0.89174	0.34093	0.34077	7.16E+00	1.53E-01	2.66E-05	3.79E-02	1.22E+00	1.23E-01	5.89E-01	5.65E-01	8.72E+00
4629	485863.09	3859877.25	0.7684	0.32794	1.54403	0.7379	1.86205	0.91359	0.32702	0.32794	7.88E+00	1.48E-01	3.92E-05	3.82E-02	8.58E-01	1.26E-01	5.65E-01	5.43E-01	9.07E+00
4630	486363.09	3859877.25	0.92017	0.45439	1.15918	0.8072	1.83176	0.94378	0.45734	0.45439	9.44E+00	2.04E-01	2.94E-05	4.18E-02	8.44E-01	1.30E-01	7.90E-01	7.53E-01	1.07E+01
4631	486863.09	3859877.25	1.06705	0.59008	1.66599	0.7589	2.01453	1.43828	0.59306	0.59008	1.09E+01	2.66E-01	4.23E-05	3.93E-02	9.28E-01	1.99E-01	1.02E+00	9.78E-01	1.24E+01
4632	487363.09	3859877.25	1.98908	0.65433	1.05434	0.86177	3.07722	1.95713	0.65622	0.65433	2.04E+01	2.94E-01	2.67E-05	4.46E-02	1.42E+00	2.71E-01	1.13E+00	1.08E+00	2.25E+01
4633	487863.09	3859877.25	2.67234	0.61118	1.38904	0.97856	2.1784	1.93757	0.59132	0.61118	2.74E+01	2.75E-01	3.52E-05	5.07E-02	1.00E+00	2.68E-01	1.02E+00	1.01E+00	2.90E+01
4634	488363.09	3859877.25	2.41676	0.602	1.64647	1.164	3.15818	4.88383	0.46986	0.602	2.48E+01	2.71E-01	4.18E-05	6.03E-02	1.46E+00	6.75E-01	8.11E-01	9.97E-01	2.71E+01
4635	488863.09	3859877.25	1.87961	0.58548	2.35758	2.22071	2.55918	1.21466	0.58267	0.58548	1.93E+01	2.63E-01	5.98E-05	1.15E-01	1.18E+00	1.68E-01	1.01E+00	9.70E-01	2.10E+01
4636	489363.09	3859877.25	1.64537	0.71308	2.81685	1.86553	7.11764	1.47252	0.94275	0.71308	1.69E+01	3.21E-01	7.15E-05	9.66E-02	3.28E+00	2.04E-01	1.63E+00	1.18E+00	2.12E+01
4637	489863.09	3859877.25	1.30927	0.97183	1.32349	1.88015	4.32231	1.37124	1.12569	0.97183	1.34E+01	4.37E-01	3.36E-05	9.73E-02	1.99E+00	1.90E-01	1.94E+00	1.61E+00	1.65E+01
4638	490363.09	3859877.25	1.33095	1.95738	3.11143	2.56096	1.93448	1.94007	1.55527	1.95738	1.36E+01	8.81E-01	7.89E-05	1.33E-01	8.91E-01	2.68E-01	2.69E+00	3.24E+00	1.53E+01
4639	490863.09	3859877.25	1.7163	3.7838	2.67867	8.50145	1.99531	6.7839	3.97727	3.7838	1.76E+01	1.70E+00	6.80E-05	4.40E-01	9.20E-01	9.38E-01	6.87E+00	6.27E+00	2.22E+01
4640	491363.09	3859877.25	0.96491	1.08612	1.85914	3.37007	2.21606	1.99566	1.18456	1.08612	9.89E+00	4.89E-01	4.72E-05	1.74E-01	1.02E+00	2.76E-01	2.05E+00	1.80E+00	1.21E+01
4641	491863.09	3859877.25	0.76889	0.74335	1.62024	1.74063	2.77444	1.26244	0.87804	0.74335	7.88E+00	3.35E-01	4.11E-05	9.01E-02	1.28E+00	1.75E-01	1.52E+00	1.23E+00	1.00E+01
4642	492363.09	3859877.25	0.68712	0.58557	1.43125	1.26107	3.09226	0.99378	0.65927	0.58557	7.05E+00	2.64E-01	3.63E-05	6.53E-02	1.43E+00	1.37E-01	1.14E+00	9.70E-01	9.11E+00
4643	492863.09	3859877.25	0.70879	0.44643	0.99675	0.90303	2.29714	0.75118	0.47823	0.44643	7.27E+00	2.01E-01	2.53E-05	4.67E-02	1.06E+00	1.04E-01	8.26E-01	7.40E-01	8.76E+00
4644	493363.09	3859877.25	0.70728	0.35979	0.79456	0.8406	1.71061	0.79897	0.37019	0.35979	7.25E+00	1.62E-01	2.02E-05	4.35E-02	7.88E-01	1.10E-01	6.39E-01	5.96E-01	8.40E+00
4645	493863.09	3859877.25	0.69492	0.28625	0.64579	0.82426	1.94434	0.6722	0.28422	0.28625	7.13E+00	1.29E-01	1.64E-05	4.27E-02	8.96E-01	9.29E-02	4.91E-01	4.74E-01	8.30E+00
4646	494363.09	3859877.25	0.68251	0.26314	0.5993	0.81588	2.07042	0.84694	0.26336	0.26314	7.00E+00	1.18E-01	1.52E-05	4.22E-02	9.54E-01	1.17E-01	4.55E-01	4.36E-01	8.25E+00
4647	494863.09	3859877.25	0.64972	0.25034	0.58546	0.77684	1.74033	2.93347	0.2487	0.25034	6.66E+00	1.13E-01	1.49E-05	4.02E-02	8.02E-01	4.06E-01	4.29E-01	4.15E-01	8.04E+00
4648	495363.09	3859877.25	0.62121	0.23609	0.50145	0.68301	1.94349	0.79136	0.23888	0.23609	6.37E+00	1.06E-01	1.27E-05	3.54E-02	8.96E-01	1.09E-01	4.12E-01	3.91E-01	7.54E+00
4649	495863.09	3859877.25	0.59314	0.21703	0.39258	0.58618	1.67673	0.66557	0.22406	0.21703	6.08E+00	9.77E-02	9.96E-06	3.03E-02	7.73E-01	9.20E-02	3.87E-01	3.60E-01	7.10E+00
4650	496363.09	3859877.25	0.55995	0.19502	0.3141	0.40116	1.54916	0.4931	0.19659	0.19502	5.74E+00	8.78E-02	7.97E-06	2.08E-02	7.14E-01	6.82E-02	3.39E-01	3.23E-01	6.65E+00
4651	496863.09	3859877.25	0.49214	0.12231	0.19189	0.28549	0.97786	0.46087	0.12945	0.12231	5.05E+00	5.50E-02	4.87E-06	1.48E-02	4.51E-01	6.37E-02	2.23E-01	2.03E-01	5.65E+00
4652	497363.09	3859877.25	0.47457	0.11816	0.23597	0.33377	1.601	0.52425	0.14758	0.11816	4.87E+00	5.32E-02	5.99E-06	1.73E-02	7.38E-01	7.25E-02	2.55E-01	1.96E-01	5.81E+00
4653	497863.09	3859877.25	0.42922	0.17453	0.32195	0.46059	1.7636	0.61501	0.20387	0.17453	4.40E+00	7.85E-02	8.17E-06	2.38E-02	8.13E-01	8.50E-02	3.52E-01	2.89E-01	5.46E+00
4654	498363.09	3859877.25	0.36999	0.18024	0.39024	0.43088	1.21672	0.57483	0.20585	0.18024	3.79E+00	8.11E-02	9.90E-06	2.23E-02	5.61E-01	7.95E-02	3.55E-01	2.99E-01	4.59E+00
4655	471363.09	3860377.25	0.34373	0.08894	0.18293	0.17488	1.09052	0.17265	0.08765	0.08894	3.52E+00	4.00E-02	4.64E-06	9.05E-03	5.03E-01	2.39E-02	1.51E-01	1.47E-01	4.10E+00
4656	471863.09	3860377.25	0.339	0.08955	0.14505	0.17572	1.04876	0.17373	0.08871	0.08955	3.48E+00	4.03E-02	3.68E-06	9.10E-03	4.83E-01	2.40E-02	1.53E-01	1.48E-01	4.04E+00
4657	472363.09	3860377.25	0.3284	0.09015	0.17082	0.18681	1.19784	0.17492	0.09085	0.09015	3.37E+00	4.06E-02	4.33E-06	9.67E-03	5.52E-01	2.42E-02	1.57E-01	1.49E-01	4.00E+00
4658	472863.09	3860377.25	0.3132	0.0925	0.21277	0.19575	1.29849	0.17841	0.09347	0.0925	3.21E+00	4.16E-02	5.40E-06	1.01E-02	5.98E-01	2.47E-02	1.61E-01	1.53E-01	3.89E+00
4659	473363.09	3860377.25	0.29817	0.09333	0.26842	0.20321	1.36086	0.19756	0.09432	0.09333	3.06E+00	4.20E-02	6.81E-06	1.05E-02	6.27E-01	2.73E-02	1.63E-01	1.55E-01	3.77E+00
4660	473863.09	3860377.25	0.28545	0.0919	0.32659	0.2097	1.39224	0.21025	0.09221	0.0919	2.93E+00	4.14E-02	8.28E-06	1.09E-02	6.42E-01	2.91E-02	1.59E-01	1.52E-01	3.66E+00
4661	474363.09	3860377.25	0.28191	0.09223	0.28796	0.2095	1.37946	0.19967	0.09259	0.09223	2.89E+00	4.15E-02	7.30E-06	1.08E-02	6.36E-01	2.76E-02	1.60E-01	1.53E-01	3.61E+00
4662	474863.09	3860377.25	0.28	0.09258	0.2311	0.18925	1.22447	0.1795	0.09138	0.09258	2.87E+00	4.17E-02	5.86E-06	9.80E-03	5.64E-01	2.48E-02	1.58E-01	1.53E-01	3.52E+00
4663	475363.09	3860377.25	0.2761	0.08783	0.18588	0.15848	1.09342	0.15376	0.08963	0.08783	2.83E+00	3.95E-02	4.72E-06	8.20E-03	5.04E-01	2.13E-02	1.55E-01	1.46E-01	3.41E+00
4664	475863.09	3860377.25	0.27642	0.08758	0.16351	0.1426	1.30873	0.15175	0.08865	0.08758	2.83E+00	3.94E-02	4.15E-06	7.38E-03	6.03E-01	2.10E-02	1.53E-01	1.45E-01	3.51E+00
4665	476363.09	3860377.25	0.2492	0.0832	0.1556	0.11154	0.78976	0.14123	0.08589	0.0832	2.56E+00	3.74E-02	3.95E-06	5.77E-03	3.64E-01	1.95E-02	1.48E-01	1.38E-01	2.99E+00
4666	476863.09	3860377.25	0.25273	0.08374	0.15556	0.10878	0.75556	0.15496	0.08623	0.08374	2.59E+00	3.77E-02	3.95E-06	5.63E-03	3.48E-01	2.14E-02	1.49E-01	1.39E-01	3.01E+00
4667	477363.09	3860377.25	0.17991	0.06758	0.11891	0.11225	0.71543	0.16699	0.07559	0.06758	1.84E+00	3.04E-02	3.02E-06	5.81E-03	3.30E-01	2.31E-02	1.31E-01	1.12E-01	2.25E+00
4668	477863.09	3860377.25	0.1901	0.0728	0.18684	0.11655	0.61948	0.18007	0.08648	0.0728	1.95E+00	3.28E-02	4.74E-06	6.03E-03	2.85E-01	2.49E-02	1.49E-01	1.21E-01	2.33E+00
4669	478363.09	3860377.25	0.33168	0.09002	0.197	0.16075	0.74405	0.19481	0.09253	0.09002	3.40E+00	4.05E-02	5.00E-06	8.32E-03	3.43E-01	2.69E-02	1.60E-01	1.49E-01	3.83E+00
4670	478863.09	3860377.25	0.42874	0.09459	0.3326	0.23617	1.08666	0.22557	0.09635	0.09459	4.40E+00	4.26E-02	8.44E-06	1.22E-02	5.01E-01	3.12E-02	1.66E-01	1.57E-01	4.99E+00

4671	479363.09	3860377.25	0.45643	0.10719	0.29137	0.33049	1.58704	0.34032	0.09933	0.10719
4672	479863.09	3860377.25	0.44369	0.12666	0.44629	0.44389	1.93582	0.35917	0.12517	0.12666
4673	480363.09	3860377.25	0.42622	0.15665	0.58322	0.50468	1.71311	0.36113	0.16025	0.15665
4674	480863.09	3860377.25	0.41935	0.19074	0.6811	0.51983	1.56167	0.34894	0.19447	0.19074
4675	481363.09	3860377.25	0.4263	0.21284	0.60495	0.51368	1.40069	0.36061	0.21667	0.21284
4676	481863.09	3860377.25	0.43757	0.23888	0.65883	0.47231	1.22608	0.36489	0.24271	0.23888
4677	482363.09	3860377.25	0.45355	0.2581	0.51096	0.47851	1.30604	0.38806	0.26207	0.2581
4678	482863.09	3860377.25	0.46718	0.27311	0.5179	0.53215	1.85412	0.44991	0.27724	0.27311
4679	483363.09	3860377.25	0.46828	0.31	0.71233	0.50712	1.89668	0.52737	0.31249	0.31
4680	483863.09	3860377.25	0.48586	0.3268	0.90759	0.55175	1.7211	0.59449	0.3287	0.3268
4681	484363.09	3860377.25	0.49474	0.35936	0.73522	0.54578	2.39228	0.63857	0.35732	0.35936
4682	484863.09	3860377.25	0.53593	0.36184	0.93647	0.59165	2.27726	0.63587	0.36155	0.36184
4683	485363.09	3860377.25	0.5762	0.39326	0.71722	0.61295	1.5857	0.59031	0.38206	0.39326
4684	485863.09	3860377.25	0.60883	0.45906	0.98196	0.54495	1.77115	0.72746	0.4107	0.45906
4685	486363.09	3860377.25	0.73917	0.46945	1.08366	0.53459	1.79906	0.90462	0.41477	0.46945
4686	486863.09	3860377.25	0.88996	0.41336	0.76563	0.75506	1.83575	1.11411	0.37184	0.41336
4687	487363.09	3860377.25	1.22331	0.43595	1.00364	0.76635	3.15219	1.47256	0.43814	0.43595
4688	487863.09	3860377.25	2.52082	0.48288	1.03026	0.9233	1.65477	1.88521	0.48416	0.48288
4689	488363.09	3860377.25	2.72174	0.55801	1.46642	1.09293	2.18701	3.2933	0.48984	0.55801
4690	488863.09	3860377.25	2.27138	0.69825	1.37223	2.06122	2.43068	1.20506	0.70303	0.69825
4691	489363.09	3860377.25	1.42216	0.84206	1.78532	1.77944	4.08516	0.91565	0.84545	0.84206
4692	489863.09	3860377.25	1.16496	0.72074	1.7155	1.04721	5.44189	1.10996	0.79093	0.72074
4693	490363.09	3860377.25	1.0954	0.64317	1.24473	1.47734	3.37449	1.1365	0.731	0.64317
4694	490863.09	3860377.25	1.07852	0.89864	1.60978	1.3696	1.43182	1.01431	0.91617	0.89864
4695	491363.09	3860377.25	1.20066	1.59136	2.28292	1.28631	1.57148	1.21051	1.35892	1.59136
4696	491863.09	3860377.25	1.42584	1.59978	1.55992	2.04644	1.33028	1.71465	1.6819	1.59978
4697	492363.09	3860377.25	0.83507	0.98305	1.38528	2.64793	1.90717	3.18307	0.93903	0.98305
4698	492863.09	3860377.25	0.63695	0.69555	1.07635	1.47819	2.34219	3.39416	0.69399	0.69555
4699	493363.09	3860377.25	0.56566	0.56168	1.00016	1.2426	2.37541	1.39912	0.56059	0.56168
4700	493863.09	3860377.25	0.49483	0.41388	1.00183	0.84225	1.71738	1.05554	0.43184	0.41388
4701	494363.09	3860377.25	0.49469	0.3549	0.94901	0.66424	1.24973	0.90211	0.36149	0.3549
4702	494863.09	3860377.25	0.47341	0.32171	0.82259	0.57091	1.51549	2.49254	0.32415	0.32171
4703	495363.09	3860377.25	0.46428	0.27852	0.64051	0.57266	1.47617	1.01007	0.28044	0.27852
4704	495863.09	3860377.25	0.46103	0.22442	0.50898	0.46946	1.50521	0.68702	0.21846	0.22442
4705	496363.09	3860377.25	0.46133	0.2088	0.34131	0.41909	1.52053	0.60895	0.21858	0.2088
4706	496863.09	3860377.25	0.45024	0.21802	0.28457	0.33313	1.60334	0.43569	0.22069	0.21802
4707	497363.09	3860377.25	0.44385	0.18608	0.26944	0.28689	1.16783	0.36375	0.18738	0.18608
4708	497863.09	3860377.25	0.41137	0.13182	0.27097	0.34775	1.26849	0.48422	0.14413	0.13182
4709	498363.09	3860377.25	0.37821	0.18698	0.35387	0.33655	1.12959	0.53835	0.19239	0.18698
4710	471363.09	3860877.25	0.30045	0.08872	0.22621	0.16752	1.17025	0.19235	0.08492	0.08872
4711	471863.09	3860877.25	0.28613	0.08925	0.23857	0.16428	1.152	0.20371	0.0856	0.08925
4712	472363.09	3860877.25	0.272	0.08979	0.27875	0.16484	1.09387	0.21186	0.08834	0.08979
4713	472863.09	3860877.25	0.25654	0.09056	0.3157	0.17834	0.98713	0.22102	0.09083	0.09056
4714	473363.09	3860877.25	0.24665	0.09138	0.28969	0.19822	0.98586	0.22194	0.09175	0.09138
4715	473863.09	3860877.25	0.24983	0.09242	0.22456	0.22396	1.19084	0.22591	0.08934	0.09242
4716	474363.09	3860877.25	0.25825	0.09367	0.31467	0.25391	1.35276	0.24002	0.08838	0.09367
4717	474863.09	3860877.25	0.28182	0.09539	0.27487	0.27916	1.44422	0.25014	0.09013	0.09539
4718	475363.09	3860877.25	0.30795	0.09723	0.21303	0.29994	1.42789	0.23093	0.09413	0.09723
4719	475863.09	3860877.25	0.33209	0.09881	0.22181	0.28628	1.30631	0.21639	0.09265	0.09881
4720	476363.09	3860877.25	0.3418	0.08922	0.24868	0.23008	1.09841	0.20564	0.09094	0.08922
4721	476863.09	3860877.25	0.35786	0.08854	0.16289	0.20707	0.90412	0.20863	0.0901	0.08854
4722	477363.09	3860877.25	0.38345	0.0888	0.16506	0.24016	0.92148	0.21315	0.09037	0.0888
4723	477863.09	3860877.25	0.37474	0.07773	0.14957	0.22206	0.68932	0.20883	0.07975	0.07773
4724	478363.09	3860877.25	0.29349	0.07542	0.09823	0.15697	0.5938	0.2109	0.07858	0.07542
4725	478863.09	3860877.25	0.41894	0.08399	0.27706	0.30306	1.10978	0.21125	0.08549	0.08399
4726	479363.09	3860877.25	0.42673	0.10557	0.31291	0.37533	1.46897	0.31827	0.09545	0.10557
4727	479863.09	3860877.25	0.41026	0.10727	0.49199	0.36426	1.47294	0.29926	0.10325	0.10727

4.68E+00	4.82E-02	7.39E-06	1.71E-02	7.31E-01	4.71E-02	1.71E-01	1.78E-01	5.52E+00
4.55E+00	5.70E-02	1.13E-05	2.30E-02	8.92E-01	4.97E-02	2.16E-01	2.10E-01	5.58E+00
4.37E+00	7.05E-02	1.48E-05	2.61E-02	7.89E-01	4.99E-02	2.77E-01	2.60E-01	5.32E+00
4.30E+00	8.58E-02	1.73E-05	2.69E-02	7.20E-01	4.82E-02	3.36E-01	3.16E-01	5.20E+00
4.37E+00	9.58E-02	1.53E-05	2.66E-02	6.45E-01	4.99E-02	3.74E-01	3.53E-01	5.21E+00
4.49E+00	1.08E-01	1.67E-05	2.44E-02	5.65E-01	5.04E-02	4.19E-01	3.96E-01	5.26E+00
4.65E+00	1.16E-01	1.30E-05	2.48E-02	6.02E-01	5.37E-02	4.52E-01	4.28E-01	5.47E+00
4.79E+00	1.23E-01	1.31E-05	2.75E-02	8.54E-01	6.22E-02	4.79E-01	4.53E-01	5.88E+00
4.80E+00	1.40E-01	1.81E-05	2.63E-02	8.74E-01	7.29E-02	5.40E-01	5.14E-01	5.94E+00
4.98E+00	1.47E-01	2.30E-05	2.86E-02	7.93E-01	8.22E-02	5.68E-01	5.41E-01	6.06E+00
5.07E+00	1.62E-01	1.87E-05	2.83E-02	1.10E+00	8.83E-02	6.17E-01	5.95E-01	6.48E+00
5.50E+00	1.63E-01	2.38E-05	3.06E-02	1.05E+00	8.79E-02	6.24E-01	6.00E-01	6.85E+00
5.91E+00	1.77E-01	1.82E-05	3.17E-02	7.31E-01	8.16E-02	6.60E-01	6.52E-01	6.94E+00
6.24E+00	2.07E-01	2.49E-05	2.82E-02	8.16E-01	1.01E-01	7.09E-01	7.61E-01	7.34E+00
7.58E+00	2.11E-01	2.75E-05	2.77E-02	8.29E-01	1.25E-01	7.16E-01	7.78E-01	8.71E+00
9.13E+00	1.86E-01	1.94E-05	3.91E-02	8.46E-01	1.54E-01	6.42E-01	6.85E-01	1.03E+01
1.25E+01	1.96E-01	2.55E-05	3.97E-02	1.45E+00	2.04E-01	7.56E-01	7.22E-01	1.45E+01
2.58E+01	2.17E-01	2.61E-05	4.78E-02	7.63E-01	2.61E-01	8.36E-01	8.00E-01	2.72E+01
2.79E+01	2.51E-01	3.72E-05	5.66E-02	1.01E+00	4.55E-01	8.46E-01	9.25E-01	2.96E+01
2.33E+01	3.14E-01	3.48E-05	1.07E-01	1.12E+00	1.67E-01	1.21E+00	1.16E+00	2.51E+01
1.46E+01	3.79E-01	4.53E-05	9.21E-02	1.88E+00	1.27E-01	1.46E+00	1.40E+00	1.71E+01
1.19E+01	3.24E-01	4.35E-05	5.42E-02	2.51E+00	1.53E-01	1.37E+00	1.19E+00	1.52E+01
1.12E+01	2.89E-01	3.16E-05	7.65E-02	1.56E+00	1.57E-01	1.26E+00	1.07E+00	1.35E+01
1.11E+01	4.04E-01	4.08E-05	7.09E-02	6.60E-01	1.40E-01	1.58E+00	1.49E+00	1.24E+01
1.23E+01	7.16E-01	5.79E-05	6.66E-02	7.24E-01	1.67E-01	2.35E+00	2.64E+00	1.37E+01
1.46E+01	7.20E-01	3.96E-05	1.06E-01	6.13E-01	2.37E-01	2.90E+00	2.65E+00	1.65E+01
8.56E+00	4.42E-01	3.51E-05	1.37E-01	8.79E-01	4.40E-01	1.62E+00	1.63E+00	1.05E+01
6.53E+00	3.13E-01	2.73E-05	7.65E-02	1.08E+00	4.69E-01	1.20E+00	1.15E+00	8.52E+00
5.80E+00	2.53E-01	2.54E-05	6.43E-02	1.09E+00	1.93E-01	9.68E-01	9.31E-01	7.44E+00
5.07E+00	1.86E-01	2.54E-05	4.36E-02	7.91E-01	1.46E-01	7.46E-01	6.86E-01	6.30E+00
5.07E+00	1.60E-01	2.41E-05	3.44E-02	5.76E-01	1.25E-01	6.24E-01	5.88E-01	6.00E+00
4.85E+00	1.45E-01	2.09E-05	2.96E-02	6.98E-01	3.45E-01	5.60E-01	5.33E-01	6.10E+00
4.76E+00	1.25E-01	1.62E-05	2.96E-02	6.80E-01	1.40E-01	4.84E-01	4.61E-01	5.76E+00
4.73E+00	1.01E-01	1.29E-05	2.43E-02	6.94E-01	9.50E-02	3.77E-01	3.72E-01	5.65E+00
4.73E+00	9.40E-02	8.66E-06	2.17E-02	7.01E-01	8.42E-02	3.77E-01	3.46E-01	5.66E+00
4.62E+00	9.81E-02	7.22E-06	1.72E-02	7.39E-01	6.02E-02	3.81E-01	3.61E-01	5.55E+00
4.55E+00	8.37E-02	6.84E-06	1.49E-02	5.38E-01	5.03E-02	3.24E-01	3.08E-01	5.25E+00
4.22E+00	5.93E-02	6.87E-06	1.80E-02	5.85E-01	6.69E-02	2.49E-01	2.18E-01	4.98E+00
3.88E+00	8.41E-02	8.98E-06	1.74E-02	5.21E-01	7.44E-02	3.32E-01	3.10E-01	4.60E+00
3.08E+00	3.99E-02	5.74E-06	8.67E-03	5.39E-01	2.66E-02	1.47E-01	1.47E-01	3.69E+00
2.93E+00	4.02E-02	6.05E-06	8.50E-03	5.31E-01	2.82E-02	1.48E-01	1.48E-01	3.54E+00
2.79E+00	4.04E-02	7.07E-06	8.53E-03	5.04E-01	2.93E-02	1.53E-01	1.49E-01	3.38E+00
2.63E+00	4.08E-02	8.01E-06	9.23E-03	4.55E-01	3.06E-02	1.57E-01	1.50E-01	3.17E+00
2.53E+00	4.11E-02	7.35E-06	1.03E-02	4.54E-01	3.07E-02	1.58E-01	1.51E-01	3.07E+00
2.56E+00	4.16E-02	5.70E-06	1.16E-02	5.49E-01	3.12E-02	1.54E-01	1.53E-01	3.20E+00
2.65E+00	4.22E-02	7.98E-06	1.31E-02	6.23E-01	3.32E-02	1.53E-01	1.55E-01	3.36E+00
2.89E+00	4.29E-02	6.97E-06	1.45E-02	6.66E-01	3.46E-02	1.56E-01	1.58E-01	3.64E+00
3.16E+00	4.38E-02	5.40E-06	1.55E-02	6.58E-01	3.19E-02	1.63E-01	1.61E-01	3.91E+00
3.41E+00	4.45E-02	5.63E-06	1.48E-02	6.02E-01	2.99E-02	1.60E-01	1.64E-01	4.09E+00
3.50E+00	4.02E-02	6.31E-06	1.19E-02	5.06E-01	2.84E-02	1.57E-01	1.48E-01	4.10E+00
3.67E+00	3.98E-02	4.13E-06	1.07E-02	4.17E-01	2.88E-02	1.56E-01	1.47E-01	4.17E+00
3.93E+00	4.00E-02	4.19E-06	1.24E-02	4.25E-01	2.95E-02	1.56E-01	1.47E-01	4.45E+00
3.84E+00	3.50E-02	3.79E-06	1.15E-02	3.18E-01	2.89E-02	1.38E-01	1.29E-01	4.24E+00
3.01E+00	3.39E-02	2.49E-06	8.13E-03	2.74E-01	2.92E-02	1.36E-01	1.25E-01	3.37E+00
4.30E+00	3.78E-02	7.03E-06	1.57E-02	5.11E-01	2.92E-02	1.48E-01	1.39E-01	4.90E+00
4.38E+00	4.75E-02	7.94E-06	1.94E-02	6.77E-01	4.40E-02	1.65E-01	1.75E-01	5.15E+00
4.21E+00	4.83E-02	1.25E-05	1.89E-02	6.79E-01	4.14E-02	1.78E-01	1.78E-01	4.99E+00

4728	480363.09	3860877.25	0.3931	0.13377	0.54121	0.41671	1.16318	0.29178	0.13165	0.13377	4.03E+00	6.02E-02	1.37E-05	2.16E-02	5.36E-01	4.03E-02	2.27E-01	2.22E-01	4.69E+00
4729	480863.09	3860877.25	0.38677	0.15379	0.51816	0.46692	1.07143	0.31581	0.15165	0.15379	3.97E+00	6.92E-02	1.31E-05	2.42E-02	4.94E-01	4.37E-02	2.62E-01	2.55E-01	4.60E+00
4730	481363.09	3860877.25	0.38548	0.17109	0.63502	0.47772	1.20216	0.33553	0.1695	0.17109	3.95E+00	7.70E-02	1.61E-05	2.47E-02	5.54E-01	4.64E-02	2.93E-01	2.83E-01	4.66E+00
4731	481863.09	3860877.25	0.38995	0.20943	0.59171	0.43099	1.40991	0.38476	0.18047	0.20943	4.00E+00	9.43E-02	1.50E-05	2.23E-02	6.50E-01	5.32E-02	3.12E-01	3.47E-01	4.78E+00
4732	482363.09	3860877.25	0.39018	0.19968	0.58638	0.42732	1.68814	0.4425	0.19747	0.19968	4.00E+00	8.99E-02	1.49E-05	2.21E-02	7.78E-01	6.12E-02	3.41E-01	3.31E-01	4.96E+00
4733	482863.09	3860877.25	0.40247	0.20999	0.77102	0.44301	1.51005	0.45364	0.20843	0.20999	4.13E+00	9.45E-02	1.96E-05	2.29E-02	6.96E-01	6.27E-02	3.60E-01	3.48E-01	5.01E+00
4734	483363.09	3860877.25	0.42918	0.22228	0.69802	0.46332	1.6042	0.49342	0.2204	0.22228	4.40E+00	1.00E-01	1.77E-05	2.40E-02	7.39E-01	6.82E-02	3.81E-01	3.68E-01	5.34E+00
4735	483863.09	3860877.25	0.45711	0.24139	0.67932	0.51089	2.24059	0.5485	0.2427	0.24139	4.69E+00	1.09E-01	1.72E-05	2.64E-02	1.03E+00	7.58E-02	4.19E-01	4.00E-01	5.95E+00
4736	484363.09	3860877.25	0.47913	0.29718	0.89737	0.49101	2.058	0.51537	0.29685	0.29718	4.91E+00	1.34E-01	2.28E-05	2.54E-02	9.48E-01	7.13E-02	5.13E-01	4.92E-01	6.11E+00
4737	484863.09	3860877.25	0.49492	0.34345	0.55902	0.45656	1.30375	0.50339	0.34323	0.34345	5.07E+00	1.55E-01	1.42E-05	2.36E-02	6.01E-01	6.96E-02	5.93E-01	5.69E-01	5.95E+00
4738	485363.09	3860877.25	0.54146	0.38065	0.73198	0.45574	1.57968	0.56375	0.38047	0.38065	5.55E+00	1.71E-01	1.86E-05	2.36E-02	7.28E-01	7.79E-02	6.57E-01	6.31E-01	6.58E+00
4739	485863.09	3860877.25	0.5433	0.41682	1.20082	0.57212	1.44522	0.63093	0.4175	0.41682	5.57E+00	1.88E-01	3.05E-05	2.96E-02	6.66E-01	8.72E-02	7.21E-01	6.91E-01	6.57E+00
4740	486363.09	3860877.25	0.62414	0.45543	0.86918	0.64503	1.44577	0.75861	0.45574	0.45543	6.40E+00	2.05E-01	2.20E-05	3.34E-02	6.66E-01	1.05E-01	7.87E-01	7.55E-01	7.44E+00
4741	486863.09	3860877.25	0.75385	0.48941	0.82208	0.61774	1.54595	1.00518	0.49001	0.48941	7.73E+00	2.20E-01	2.09E-05	3.20E-02	7.12E-01	1.39E-01	8.46E-01	8.11E-01	8.87E+00
4742	487363.09	3860877.25	0.90148	0.52262	0.82326	0.76817	3.1407	1.29257	0.52323	0.52262	9.24E+00	2.35E-01	2.09E-05	3.98E-02	1.45E+00	1.79E-01	9.03E-01	8.66E-01	1.12E+01
4743	487863.09	3860877.25	1.45336	0.55018	0.95563	0.79332	1.28469	1.94222	0.55063	0.55018	1.49E+01	2.48E-01	2.42E-05	4.11E-02	5.92E-01	2.69E-01	9.51E-01	9.12E-01	1.61E+01
4744	488363.09	3860877.25	2.58309	0.58324	1.14542	0.82174	1.50065	1.59227	0.58476	0.58324	2.65E+01	2.62E-01	2.91E-05	4.25E-02	6.92E-01	2.20E-01	1.01E+00	9.66E-01	2.77E+01
4745	488863.09	3860877.25	2.32694	0.62271	1.3779	1.77547	2.53955	1.11074	0.64173	0.62271	2.39E+01	2.80E-01	3.50E-05	9.19E-02	1.17E+00	1.54E-01	1.11E+00	1.03E+00	2.56E+01
4746	489363.09	3860877.25	1.81514	0.62911	1.39035	1.68435	1.6794	0.90318	0.66659	0.62911	1.86E+01	2.83E-01	3.53E-05	8.72E-02	7.74E-01	1.25E-01	1.15E+00	1.04E+00	2.00E+01
4747	489863.09	3860877.25	0.99616	0.66456	1.06769	0.82391	4.45698	0.68561	0.69427	0.66456	1.02E+01	2.99E-01	2.71E-05	4.27E-02	2.05E+00	9.48E-02	1.20E+00	1.10E+00	1.28E+01
4748	490363.09	3860877.25	0.94757	0.80504	1.47371	0.63895	3.57726	0.75728	0.80895	0.80504	9.72E+00	3.62E-01	3.74E-05	3.31E-02	1.65E+00	1.05E-01	1.40E+00	1.33E+00	1.19E+01
4749	490863.09	3860877.25	0.94198	1.08152	1.03131	0.81263	2.61063	0.85338	1.09216	1.08152	9.66E+00	4.87E-01	2.62E-05	4.21E-02	1.20E+00	1.18E-01	1.89E+00	1.79E+00	1.16E+01
4750	491363.09	3860877.25	0.91066	1.47654	1.07198	1.02986	1.16046	0.80941	1.47444	1.47654	9.34E+00	6.65E-01	2.72E-05	5.33E-02	5.35E-01	1.12E-01	2.55E+00	2.45E+00	1.08E+01
4751	491863.09	3860877.25	0.92352	1.34635	1.59079	0.9254	1.32886	0.77716	1.34566	1.34635	9.47E+00	6.06E-01	4.04E-05	4.79E-02	6.12E-01	1.07E-01	2.32E+00	2.23E+00	1.09E+01
4752	492363.09	3860877.25	1.00342	2.20302	1.81985	1.08819	0.91886	0.97554	2.31789	2.20302	1.03E+01	9.91E-01	4.62E-05	5.63E-02	4.23E-01	1.35E-01	4.00E+00	3.65E+00	1.22E+01
4753	492863.09	3860877.25	0.84653	0.93142	1.24819	1.25602	1.41922	1.1827	0.94791	0.93142	8.68E+00	4.19E-01	3.17E-05	6.50E-02	6.54E-01	1.64E-01	1.64E+00	1.54E+00	1.01E+01
4754	493363.09	3860877.25	0.67556	0.72796	1.09464	1.18981	1.54298	1.50388	0.74421	0.72796	6.93E+00	3.28E-01	2.78E-05	6.16E-02	7.11E-01	2.08E-01	1.28E+00	1.21E+00	8.31E+00
4755	493863.09	3860877.25	0.55148	0.59283	0.84887	1.00384	1.95455	2.28089	0.55914	0.59283	5.65E+00	2.67E-01	2.15E-05	5.20E-02	9.01E-01	3.15E-01	9.65E-01	9.82E-01	7.17E+00
4756	494363.09	3860877.25	0.47547	0.48333	0.74084	0.71498	1.76484	4.68206	0.47378	0.48333	4.88E+00	2.18E-01	1.88E-05	3.70E-02	8.13E-01	6.47E-01	8.18E-01	8.01E-01	6.61E+00
4757	494863.09	3860877.25	0.43403	0.40544	0.7414	0.65063	1.33105	2.29095	0.38503	0.40544	4.45E+00	1.82E-01	1.88E-05	3.37E-02	6.13E-01	3.17E-01	6.65E-01	6.72E-01	5.59E+00
4758	495363.09	3860877.25	0.40226	0.33092	0.73722	0.51708	0.91675	1.30532	0.31477	0.33092	4.12E+00	1.49E-01	1.87E-05	2.68E-02	4.22E-01	1.80E-01	5.43E-01	5.48E-01	4.90E+00
4759	495863.09	3860877.25	0.36525	0.29447	0.66218	0.50971	1.18812	0.97493	0.28915	0.29447	3.75E+00	1.33E-01	1.68E-05	2.64E-02	5.48E-01	1.35E-01	4.99E-01	4.88E-01	4.60E+00
4760	496363.09	3860877.25	0.35804	0.277	0.67655	0.53128	1.26161	0.85454	0.24252	0.277	3.67E+00	1.25E-01	1.72E-05	2.75E-02	5.81E-01	1.18E-01	4.19E-01	4.59E-01	4.48E+00
4761	496863.09	3860877.25	0.37663	0.24306	0.56133	0.42029	1.3681	0.47578	0.23337	0.24306	3.86E+00	1.09E-01	1.42E-05	2.18E-02	6.30E-01	6.58E-02	4.03E-01	4.03E-01	4.69E+00
4762	497363.09	3860877.25	0.37425	0.23038	0.50103	0.41265	1.12079	0.46645	0.22201	0.23038	3.84E+00	1.04E-01	1.27E-05	2.14E-02	5.17E-01	6.45E-02	3.83E-01	3.82E-01	4.55E+00
4763	497863.09	3860877.25	0.3763	0.1903	0.39782	0.39366	1.27134	0.41486	0.18425	0.1903	3.86E+00	8.56E-02	1.01E-05	2.04E-02	5.86E-01	5.74E-02	3.18E-01	3.15E-01	4.61E+00
4764	498363.09	3860877.25	0.36417	0.23949	0.44383	0.34261	1.05	0.53446	0.22917	0.23949	3.73E+00	1.08E-01	1.13E-05	1.77E-02	4.84E-01	7.39E-02	3.96E-01	3.97E-01	4.42E+00
4765	471363.09	3861377.25	0.24703	0.08874	0.27706	0.19891	0.86263	0.19502	0.08553	0.08874	2.53E+00	3.99E-02	7.03E-06	1.03E-02	3.98E-01	2.70E-02	1.48E-01	1.47E-01	3.01E+00
4766	471863.09	3861377.25	0.23751	0.08999	0.28234	0.21418	1.05304	0.21399	0.08605	0.08999	2.44E+00	4.05E-02	7.16E-06	1.11E-02	4.85E-01	2.96E-02	1.49E-01	1.49E-01	3.00E+00
4767	472363.09	3861377.25	0.23069	0.09077	0.24353	0.22767	1.22118	0.23004	0.08655	0.09077	2.37E+00	4.09E-02	6.18E-06	1.18E-02	5.63E-01	3.18E-02	1.49E-01	1.50E-01	3.01E+00
4768	472863.09	3861377.25	0.2335	0.09211	0.20127	0.23454	1.34433	0.24367	0.08873	0.09211	2.39E+00	4.15E-02	5.11E-06	1.21E-02	6.20E-01	3.37E-02	1.53E-01	1.53E-01	3.10E+00
4769	473363.09	3861377.25	0.23744	0.0937	0.25883	0.24282	1.38793	0.24943	0.08904	0.0937	2.43E+00	4.22E-02	6.57E-06	1.26E-02	6.40E-01	3.45E-02	1.54E-01	1.55E-01	3.16E+00
4770	473863.09	3861377.25	0.25882	0.09527	0.29372	0.25218	1.33749	0.24561	0.08778	0.09527	2.65E+00	4.29E-02	7.45E-06	1.31E-02	6.16E-01	3.40E-02	1.52E-01	1.58E-01	3.35E+00
4771	474363.09	3861377.25	0.28157	0.09713	0.2225	0.24869	1.2152	0.24924	0.08841	0.09713	2.89E+00	4.37E-02	5.64E-06	1.29E-02	5.60E-01	3.45E-02	1.53E-01	1.61E-01	3.53E+00
4772	474863.09	3861377.25	0.3061	0.09864	0.23032	0.28414	1.00819	0.27189	0.08858	0.09864	3.14E+00	4.44E-02	5.84E-06	1.47E-02	4.65E-01	3.76E-02	1.53E-01	1.63E-01	3.69E+00
4773	475363.09	3861377.25	0.32675	0.10031	0.24953	0.31659	0.90343	0.29546	0.09043	0.10031	3.35E+00	4.51E-02	6.33E-06	1.64E-02	4.16E-01	4.08E-02	1.56E-01	1.66E-01	3.86E+00
4774	475863.09	3861377.25	0.35103	0.10102	0.24503	0.3562	0.97012	0.31392	0.09631	0.10102	3.60E+00	4.55E-02	6.22E-06	1.84E-02	4.47E-01	4.34E-02	1.66E-01	1.67E-01	4.15E+00
4775	476363.09	3861377.25	0.37555	0.10094	0.33013	0.36974	0.96817	0.32241	0.0952	0.10094	3.85E+00	4.54E-02	8.37E-06	1.91E-02	4.46E-01	4.46E-02	1.64E-01	1.67E-01	4.40E+00
4776	476863.09	3861377.25	0.3954	0.10086	0.29778	0.34799	1.30215	0.32037	0.0935	0.10086	4.05E+00	4.54E-02	7.55E-06	1.80E-02	6.00E-01	4.43E-02	1.61E-01	1.67E-01	4.76E+00
4777	477363.09	3861377.25	0.40707	0.10111	0.19866	0.29674	1.47127	0.30901	0.09316	0.10111	4.17E+00	4.55E-02	5.04E-06	1.54E-02	6.78E-01	4.27E-02	1.61E-01	1.68E-01	4.95E+00
4778	477863.09	3861377.25	0.40586	0.08892	0.1879	0.27187	1.11235	0.18952	0.09062	0.08892	4.16E+00	4.00E-02	4.77E-06	1.41E-02	5.13E-01	2.62E-02	1.56E-01	1.47E-01	4.76E+00
4779	478363.09	3861377.25	0.30635	0.06743	0.14656	0.20359	0.65657	0.17628	0.06356	0.06743	3.14E+00	3.03E-02	3.72E-06	1.05E-02	3.03E-01	2.44E-02	1.10E-01	1.12E-01	3.51E+00
4780	478863.09	3861377.25	0.30806	0.06805	0.14279	0.26299	0.57012	0.1695	0.06611	0.06805	3.16E+00	3.06E-02	3.62E-06	1.36E-02	2.63E-01	2.34E-02	1.14E-01	1.13E-01	3.49E+00
4781	479363.09	3861377.25	0.37312	0.10328	0.293	0.43186	0.93234	0.23159	0.09442	0.10328	3.83E+00	4.65E-02	7.43E-06	2.24E-02	4.30E-01	3.20E-02	1.63E-01	1.71E-01	4.35E+00
4782	479863.09	3861377.25	0.35736	0.10496	0.37319	0.41951	0.96537	0.25922	0.10336	0.10496	3.66E+00	4.72E-02	9.47E-06	2.17E-02	4.45E-01	3.58E-02	1.78E-01	1.74E-01	4.22E+00
4783	480363.09	3861377.25	0.33912	0.11729	0.40166	0.36361	1.11324	0.27372	0.11618	0.11729	3.48E+00	5.28E-02	1.02E-05	1.88E-02	5.13E-01	3.78E-02	2.01E-01	1.94E-01	4.11E+00
4784	480863.09	3861377.25	0.33355	0.12326	0.45116	0.34423	1.0362	0.30289	0.1221	0.12326	3.42E+00	5.55E-02	1.14E-05	1.78E-02	4.78E-01	4.19E-02	2.11E-01	2.04E-01	4.02E+00

4785	481363.09	3861377.25	0.33576	0.14989	0.47109	0.3564	1.39811	0.35282	0.13735	0.14989	3.44E+00	6.75E-02	1.20E-05	1.84E-02	6.44E-01	4.88E-02	2.37E-01	2.48E-01	4.21E+00
4786	481863.09	3861377.25	0.34851	0.20753	0.34979	0.35524	1.45928	0.38045	0.15365	0.20753	3.57E+00	9.34E-02	8.87E-06	1.84E-02	6.72E-01	5.26E-02	2.65E-01	3.44E-01	4.33E+00
4787	482363.09	3861377.25	0.36881	0.16615	0.6277	0.41471	1.13729	0.41774	0.13474	0.16615	3.78E+00	7.48E-02	1.59E-05	2.15E-02	5.24E-01	5.78E-02	2.33E-01	2.75E-01	4.42E+00
4788	482863.09	3861377.25	0.3984	0.14671	0.48986	0.42622	1.48226	0.4768	0.1422	0.14671	4.09E+00	6.60E-02	1.24E-05	2.21E-02	6.83E-01	6.59E-02	2.46E-01	2.43E-01	4.92E+00
4789	483363.09	3861377.25	0.43078	0.15288	0.60062	0.40486	1.98306	0.49303	0.15047	0.15288	4.42E+00	6.88E-02	1.52E-05	2.10E-02	9.14E-01	6.82E-02	2.60E-01	2.53E-01	5.50E+00
4790	483863.09	3861377.25	0.45024	0.16389	0.79246	0.39261	1.84057	0.45835	0.16436	0.16389	4.62E+00	7.38E-02	2.01E-05	2.03E-02	8.48E-01	6.34E-02	2.84E-01	2.72E-01	5.63E+00
4791	484363.09	3861377.25	0.45745	0.17097	0.59398	0.40565	1.10383	0.50833	0.1717	0.17097	4.69E+00	7.69E-02	1.51E-05	2.10E-02	5.09E-01	7.03E-02	2.96E-01	2.83E-01	5.38E+00
4792	484863.09	3861377.25	0.46725	0.20662	0.70412	0.42408	1.37832	0.54782	0.2063	0.20662	4.79E+00	9.30E-02	1.79E-05	2.20E-02	6.35E-01	7.57E-02	3.56E-01	3.42E-01	5.63E+00
4793	485363.09	3861377.25	0.51622	0.23746	0.61285	0.53494	1.322	0.57141	0.23718	0.23746	5.29E+00	1.07E-01	1.55E-05	2.77E-02	6.09E-01	7.90E-02	4.09E-01	3.93E-01	6.13E+00
4794	485863.09	3861377.25	0.47991	0.26006	0.71984	0.5384	1.46416	0.57813	0.25995	0.26006	4.92E+00	1.17E-01	1.83E-05	2.79E-02	6.75E-01	7.99E-02	4.49E-01	4.31E-01	5.84E+00
4795	486363.09	3861377.25	0.47306	0.29213	0.62369	0.55908	1.43426	0.52603	0.29221	0.29213	4.85E+00	1.31E-01	1.58E-05	2.89E-02	6.61E-01	7.27E-02	5.05E-01	4.84E-01	5.77E+00
4796	486863.09	3861377.25	0.59107	0.32998	0.85432	0.66264	1.75667	0.56254	0.33038	0.32998	6.06E+00	1.49E-01	2.17E-05	3.43E-02	8.10E-01	7.78E-02	5.70E-01	5.47E-01	7.15E+00
4797	487363.09	3861377.25	0.75416	0.37682	0.78878	0.63052	3.02767	0.7914	0.37802	0.37682	7.73E+00	1.70E-01	2.00E-05	3.26E-02	1.40E+00	1.09E-01	6.53E-01	6.24E-01	9.47E+00
4798	487863.09	3861377.25	0.95485	0.43171	0.85083	0.6189	1.09171	0.91531	0.43339	0.43171	9.79E+00	1.94E-01	2.16E-05	3.20E-02	5.03E-01	1.27E-01	7.48E-01	7.15E-01	1.07E+01
4799	488363.09	3861377.25	1.69085	0.49739	0.80056	0.75527	0.97589	0.89155	0.49977	0.49739	1.73E+01	2.24E-01	2.03E-05	3.91E-02	4.50E-01	1.23E-01	8.63E-01	8.24E-01	1.82E+01
4800	488863.09	3861377.25	1.97431	0.57179	1.07834	1.28476	2.2701	1.13973	0.57512	0.57179	2.02E+01	2.57E-01	2.74E-05	6.65E-02	1.05E+00	1.58E-01	9.93E-01	9.47E-01	2.18E+01
4801	489363.09	3861377.25	1.73955	0.66024	0.72533	1.72217	0.95537	0.91032	0.66482	0.66024	1.78E+01	2.97E-01	1.84E-05	8.92E-02	4.40E-01	1.26E-01	1.15E+00	1.09E+00	1.88E+01
4802	489863.09	3861377.25	1.13001	0.76024	0.75673	0.75952	2.56915	0.82798	0.76585	0.76024	1.16E+01	3.42E-01	1.92E-05	3.93E-02	1.18E+00	1.14E-01	1.32E+00	1.26E+00	1.33E+01
4803	490363.09	3861377.25	0.6723	0.87598	0.78856	0.63457	3.99479	0.66291	0.88295	0.87598	6.89E+00	3.94E-01	2.00E-05	3.28E-02	1.84E+00	9.16E-02	1.52E+00	1.45E+00	9.33E+00
4804	490863.09	3861377.25	0.73935	1.01047	0.98348	0.57375	2.27641	0.61282	1.01746	1.01047	7.58E+00	4.55E-01	2.49E-05	2.97E-02	1.05E+00	8.47E-02	1.76E+00	1.67E+00	9.28E+00
4805	491363.09	3861377.25	0.7923	1.17211	0.64825	0.63563	2.03308	0.65481	1.18047	1.17211	8.12E+00	5.28E-01	1.64E-05	3.29E-02	9.37E-01	9.05E-02	2.04E+00	1.94E+00	9.81E+00
4806	491863.09	3861377.25	0.80497	1.40179	0.78941	0.82658	0.96623	0.64775	1.41128	1.40179	8.25E+00	6.31E-01	2.00E-05	4.28E-02	4.45E-01	8.96E-02	2.44E+00	2.32E+00	9.58E+00
4807	492363.09	3861377.25	0.80453	1.82012	1.04306	0.81496	1.10475	0.68937	1.83176	1.82012	8.25E+00	8.19E-01	2.65E-05	4.22E-02	5.09E-01	9.53E-02	3.16E+00	3.02E+00	9.86E+00
4808	492863.09	3861377.25	0.79997	2.96287	1.47371	0.70734	0.8713	0.72069	3.00552	2.96287	8.20E+00	1.33E+00	3.74E-05	3.66E-02	4.02E-01	9.96E-02	5.19E+00	4.91E+00	1.04E+01
4809	493363.09	3861377.25	0.83174	2.94467	1.46853	0.84169	1.03145	0.76381	2.85128	2.94467	8.53E+00	1.33E+00	3.73E-05	4.36E-02	4.75E-01	1.06E-01	4.92E+00	4.88E+00	1.05E+01
4810	493863.09	3861377.25	0.6876	1.39969	1.02697	0.87316	1.26521	0.75489	1.38086	1.39969	7.05E+00	6.30E-01	2.61E-05	4.52E-02	5.83E-01	1.04E-01	2.38E+00	2.32E+00	8.48E+00
4811	494363.09	3861377.25	0.52607	0.96076	0.79757	0.66217	1.42008	0.93585	0.95534	0.96076	5.39E+00	4.32E-01	2.02E-05	3.43E-02	6.54E-01	1.29E-01	1.65E+00	1.59E+00	6.70E+00
4812	494863.09	3861377.25	0.46961	0.73232	0.73591	0.72244	1.60178	1.2298	0.73135	0.73232	4.82E+00	3.30E-01	1.87E-05	3.74E-02	7.38E-01	1.70E-01	1.26E+00	1.21E+00	6.14E+00
4813	495363.09	3861377.25	0.41779	0.60382	0.57999	0.55605	1.36816	1.32819	0.60417	0.60382	4.28E+00	2.72E-01	1.47E-05	2.88E-02	6.31E-01	1.84E-01	1.04E+00	1.00E+00	5.44E+00
4814	495863.09	3861377.25	0.37994	0.53518	0.52853	0.51441	1.02819	1.02425	0.53625	0.53518	3.90E+00	2.41E-01	1.34E-05	2.66E-02	4.74E-01	1.42E-01	9.26E-01	8.87E-01	4.82E+00
4815	496363.09	3861377.25	0.35923	0.44646	0.51865	0.44934	0.68167	0.97225	0.44145	0.44646	3.68E+00	2.01E-01	1.32E-05	2.33E-02	3.14E-01	1.34E-01	7.62E-01	7.40E-01	4.38E+00
4816	496863.09	3861377.25	0.34823	0.40535	0.61107	0.42856	0.97074	0.8766	0.36504	0.40535	3.57E+00	1.82E-01	1.55E-05	2.22E-02	4.47E-01	1.21E-01	6.30E-01	6.72E-01	4.30E+00
4817	497363.09	3861377.25	0.32496	0.37907	0.59956	0.36766	1.07281	0.78006	0.34385	0.37907	3.33E+00	1.71E-01	1.52E-05	1.90E-02	4.94E-01	1.08E-01	5.94E-01	6.28E-01	4.09E+00
4818	497863.09	3861377.25	0.3223	0.35541	0.55562	0.35581	1.02502	0.65225	0.33084	0.35541	3.30E+00	1.60E-01	1.41E-05	1.84E-02	4.72E-01	9.02E-02	5.71E-01	5.89E-01	4.03E+00
4819	498363.09	3861377.25	0.32058	0.3399	0.49611	0.39651	0.95027	0.55357	0.31834	0.3399	3.29E+00	1.53E-01	1.26E-05	2.05E-02	4.38E-01	7.65E-02	5.50E-01	5.63E-01	3.96E+00
4820	471363.09	3861877.25	0.21765	0.0906	0.20548	0.20716	1.30026	0.22301	0.08529	0.0906	2.23E+00	4.08E-02	5.21E-06	1.07E-02	5.99E-01	3.08E-02	1.47E-01	1.50E-01	2.91E+00
4821	471863.09	3861877.25	0.21654	0.09202	0.17972	0.21151	1.30652	0.22189	0.08566	0.09202	2.22E+00	4.14E-02	4.56E-06	1.09E-02	6.02E-01	3.07E-02	1.48E-01	1.52E-01	2.90E+00
4822	472363.09	3861877.25	0.21755	0.09361	0.19853	0.23457	1.24005	0.22899	0.08608	0.09361	2.23E+00	4.21E-02	5.04E-06	1.21E-02	5.71E-01	3.17E-02	1.49E-01	1.55E-01	2.88E+00
4823	472863.09	3861877.25	0.2399	0.09535	0.26017	0.25573	1.11229	0.24928	0.08681	0.09535	2.46E+00	4.29E-02	6.60E-06	1.32E-02	5.13E-01	3.45E-02	1.50E-01	1.58E-01	3.06E+00
4824	473363.09	3861877.25	0.26254	0.09648	0.24889	0.27363	0.92369	0.2683	0.08713	0.09648	2.69E+00	4.34E-02	6.31E-06	1.42E-02	4.26E-01	3.71E-02	1.50E-01	1.60E-01	3.20E+00
4825	473863.09	3861877.25	0.28506	0.09775	0.25595	0.28978	0.73462	0.2837	0.0874	0.09775	2.92E+00	4.40E-02	6.49E-06	1.50E-02	3.39E-01	3.92E-02	1.51E-01	1.62E-01	3.35E+00
4826	474363.09	3861877.25	0.30508	0.09858	0.28246	0.29307	0.76888	0.29518	0.08798	0.09858	3.13E+00	4.44E-02	7.17E-06	1.52E-02	3.54E-01	4.08E-02	1.52E-01	1.63E-01	3.57E+00
4827	474863.09	3861877.25	0.32425	0.09944	0.30592	0.28739	0.77141	0.30081	0.08841	0.09944	3.32E+00	4.48E-02	7.76E-06	1.49E-02	3.55E-01	4.16E-02	1.53E-01	1.65E-01	3.77E+00
4828	475363.09	3861877.25	0.34091	0.10012	0.32881	0.26704	0.90028	0.30022	0.08891	0.10012	3.50E+00	4.51E-02	8.34E-06	1.38E-02	4.15E-01	4.15E-02	1.54E-01	1.66E-01	4.00E+00
4829	475863.09	3861877.25	0.35357	0.10056	0.36271	0.28783	1.04585	0.29133	0.08934	0.10056	3.63E+00	4.53E-02	9.20E-06	1.49E-02	4.82E-01	4.03E-02	1.54E-01	1.67E-01	4.20E+00
4830	476363.09	3861877.25	0.3639	0.10057	0.36435	0.32841	1.11475	0.27621	0.09146	0.10057	3.73E+00	4.53E-02	9.24E-06	1.70E-02	5.14E-01	3.82E-02	1.58E-01	1.67E-01	4.34E+00
4831	476863.09	3861877.25	0.3688	0.10049	0.32263	0.36673	1.21585	0.26043	0.09558	0.10049	3.78E+00	4.52E-02	8.18E-06	1.90E-02	5.60E-01	3.60E-02	1.65E-01	1.67E-01	4.44E+00
4832	477363.09	3861877.25	0.36333	0.10057	0.25702	0.39244	1.22184	0.24839	0.09514	0.10057	3.73E+00	4.53E-02	6.52E-06	2.03E-02	5.63E-01	3.43E-02	1.64E-01	1.67E-01	4.39E+00
4833	477863.09	3861877.25	0.34041	0.08876	0.24256	0.34101	0.92281	0.15308	0.09058	0.08876	3.49E+00	3.99E-02	6.15E-06	1.77E-02	4.25E-01	2.12E-02	1.56E-01	1.47E-01	4.00E+00
4834	478363.09	3861877.25	0.26265	0.06628	0.1055	0.19059	0.51625	0.15041	0.06293	0.06628	2.69E+00	2.98E-02	2.68E-06	9.87E-03	2.38E-01	2.08E-02	1.09E-01	1.10E-01	2.99E+00
4835	478863.09	3861877.25	0.27663	0.06734	0.17419	0.19248	0.81104	0.15005	0.06679	0.06734	2.84E+00	3.03E-02	4.42E-06	9.96E-03	3.74E-01	2.07E-02	1.15E-01	1.12E-01	3.28E+00
4836	479363.09	3861877.25	0.25087	0.06774	0.14504	0.14682	0.99603	0.14788	0.06594	0.06774	2.57E+00	3.05E-02	3.68E-06	7.60E-03	4.59E-01	2.04E-02	1.14E-01	1.12E-01	3.09E+00
4837	479863.09	3861877.25	0.31697	0.10442	0.31731	0.30672	1.03793	0.23089	0.10348	0.10442	3.25E+00	4.70E-02	8.05E-06	1.59E-02	4.78E-01	3.19E-02	1.79E-01	1.73E-01	3.83E+00
4838	480363.09	3861877.25	0.30725	0.11623	0.30186	0.30904	1.11332	0.29856	0.11585	0.11623	3.15E+00	5.23E-02	7.66E-06	1.60E-02	5.13E-01	4.13E-02	2.00E-01	1.93E-01	3.78E+00
4839	480863.09	3861877.25	0.31388	0.12244	0.39669	0.3372	1.30919	0.33995	0.1219	0.12244	3.22E+00	5.51E-02	1.01E-05	1.75E-02	6.03E-01	4.70E-02	2.10E-01	2.03E-01	3.95E+00
4840	481363.09	3861877.25	0.32862	0.15322	0.45746	0.36446	1.1993	0.3762	0.13597	0.15322	3.37E+00	6.90E-02	1.16E-05	1.89E-02	5.53E-01	5.20E-02	2.35E-01	2.54E-01	4.04E+00
4841	481863.09	3861877.25	0.35119	0.19926	0.52803	0.35553	1.07381	0.42246	0.14572	0.19926	3.60E+00	8.97E-02	1.34E-05	1.84E-02	4.95E-01	5.84E-02	2.52E-01	3.30E-01	4.18E+00

4842	482363.09	3861877.25	0.37361	0.15605	0.5035	0.33537	1.3765	0.46394	0.12925	0.15605	3.83E+00	7.02E-02	1.28E-05	1.74E-02	6.34E-01	6.41E-02	2.23E-01	2.59E-01	4.58E+00
4843	482863.09	3861877.25	0.40026	0.14223	0.50789	0.30445	1.77463	0.45809	0.13769	0.14223	4.10E+00	6.40E-02	1.29E-05	1.58E-02	8.18E-01	6.33E-02	2.38E-01	2.36E-01	5.07E+00
4844	483363.09	3861877.25	0.41817	0.14406	0.70572	0.34792	1.63917	0.44604	0.1385	0.14406	4.29E+00	6.48E-02	1.79E-05	1.80E-02	7.55E-01	6.17E-02	2.39E-01	2.39E-01	5.19E+00
4845	483863.09	3861877.25	0.37792	0.13511	0.6548	0.39991	0.9789	0.44669	0.13132	0.13511	3.88E+00	6.08E-02	1.66E-05	2.07E-02	4.51E-01	6.18E-02	2.27E-01	2.24E-01	4.47E+00
4846	484363.09	3861877.25	0.3269	0.13973	0.51999	0.4027	1.26811	0.39589	0.13927	0.13973	3.35E+00	6.29E-02	1.32E-05	2.08E-02	5.84E-01	5.47E-02	2.40E-01	2.32E-01	4.08E+00
4847	484863.09	3861877.25	0.4225	0.17289	0.63842	0.46257	1.36782	0.37842	0.14708	0.17289	4.33E+00	7.78E-02	1.62E-05	2.39E-02	6.30E-01	5.23E-02	2.54E-01	2.86E-01	5.08E+00
4848	485363.09	3861877.25	0.48758	0.16671	0.5323	0.45591	1.16819	0.39036	0.16063	0.16671	5.00E+00	7.50E-02	1.35E-05	2.36E-02	5.38E-01	5.40E-02	2.77E-01	2.76E-01	5.69E+00
4849	485863.09	3861877.25	0.45717	0.17371	0.58613	0.51218	1.2195	0.40378	0.17344	0.17371	4.69E+00	7.82E-02	1.49E-05	2.65E-02	5.62E-01	5.58E-02	2.99E-01	2.88E-01	5.42E+00
4850	486363.09	3861877.25	0.48063	0.18492	0.64705	0.57685	1.34437	0.41699	0.18479	0.18492	4.93E+00	8.32E-02	1.64E-05	2.99E-02	6.20E-01	5.76E-02	3.19E-01	3.06E-01	5.73E+00
4851	486863.09	3861877.25	0.48775	0.19729	0.72623	0.52316	1.99009	0.43005	0.19734	0.19729	5.00E+00	8.88E-02	1.84E-05	2.71E-02	9.17E-01	5.95E-02	3.41E-01	3.27E-01	6.11E+00
4852	487363.09	3861877.25	0.61718	0.211	0.74449	0.5148	2.8379	0.65943	0.21131	0.211	6.33E+00	9.50E-02	1.89E-05	2.66E-02	1.31E+00	9.12E-02	3.65E-01	3.50E-01	7.86E+00
4853	487863.09	3861877.25	0.76439	0.22763	0.58132	0.58296	0.98235	0.4573	0.22826	0.22763	7.84E+00	1.02E-01	1.47E-05	3.02E-02	4.53E-01	6.32E-02	3.94E-01	3.77E-01	8.50E+00
4854	488363.09	3861877.25	1.07487	0.2479	0.75642	0.75604	0.76368	0.55804	0.24891	0.2479	1.10E+01	1.12E-01	1.92E-05	3.91E-02	3.52E-01	7.72E-02	4.30E-01	4.11E-01	1.16E+01
4855	488863.09	3861877.25	1.64177	0.3173	0.77351	1.28067	1.84766	0.90398	0.27235	0.3173	1.68E+01	1.43E-01	1.96E-05	6.63E-02	8.51E-01	1.25E-01	4.70E-01	5.26E-01	1.80E+01
4856	489363.09	3861877.25	1.6529	0.38747	0.79935	1.58119	1.35106	0.98525	0.30453	0.38747	1.69E+01	1.74E-01	2.03E-05	8.19E-02	6.23E-01	1.36E-01	5.26E-01	6.42E-01	1.78E+01
4857	489863.09	3861877.25	1.35473	0.39307	0.58916	0.73215	1.12477	0.78717	0.34064	0.39307	1.39E+01	1.77E-01	1.49E-05	3.79E-02	5.18E-01	1.09E-01	5.88E-01	6.51E-01	1.47E+01
4858	490363.09	3861877.25	0.88237	0.3906	0.79146	0.57287	3.01211	0.63985	0.39387	0.3906	9.05E+00	1.76E-01	2.01E-05	2.97E-02	1.39E+00	8.85E-02	6.80E-01	6.47E-01	1.08E+01
4859	490863.09	3861877.25	0.54066	0.4531	0.89556	0.53182	3.12937	0.49573	0.45976	0.4531	5.54E+00	2.04E-01	2.27E-05	2.75E-02	1.44E+00	6.85E-02	7.94E-01	7.51E-01	7.33E+00
4860	491363.09	3861877.25	0.53375	0.53173	0.60036	0.52976	2.02728	0.49053	0.53682	0.53173	5.47E+00	2.39E-01	1.52E-05	2.74E-02	9.34E-01	6.78E-02	9.27E-01	8.81E-01	6.79E+00
4861	491863.09	3861877.25	0.62743	0.63737	0.53377	0.51863	1.6123	0.50557	0.64356	0.63737	6.43E+00	2.87E-01	1.35E-05	2.68E-02	7.43E-01	6.99E-02	1.11E+00	1.06E+00	7.62E+00
4862	492363.09	3861877.25	0.68739	0.77041	0.63348	0.68496	0.81813	0.52334	0.77772	0.77041	7.05E+00	3.47E-01	1.61E-05	3.55E-02	3.77E-01	7.24E-02	1.34E+00	1.28E+00	7.95E+00
4863	492863.09	3861877.25	0.71234	0.9173	0.65696	0.71861	0.92934	0.46607	0.92714	0.9173	7.30E+00	4.13E-01	1.67E-05	3.72E-02	4.28E-01	6.44E-02	1.60E+00	1.52E+00	8.33E+00
4864	493363.09	3861877.25	0.71336	1.14444	0.97575	0.51845	0.83237	0.52435	1.15828	1.14444	7.31E+00	5.15E-01	2.48E-05	2.68E-02	3.84E-01	7.25E-02	2.00E+00	1.90E+00	8.42E+00
4865	493863.09	3861877.25	0.72555	1.64608	1.30393	0.68836	0.70257	0.59043	1.54143	1.64608	7.44E+00	7.41E-01	3.31E-05	3.56E-02	3.24E-01	8.16E-02	2.66E+00	2.73E+00	8.56E+00
4866	494363.09	3861877.25	0.69997	2.10813	1.18254	0.67582	1.05456	0.56416	2.14221	2.10813	7.18E+00	9.49E-01	3.00E-05	3.50E-02	4.86E-01	7.80E-02	3.70E+00	3.49E+00	8.93E+00
4867	494863.09	3861877.25	0.58581	4.21891	0.85398	0.65913	1.01324	0.58007	4.3282	4.21891	6.01E+00	1.90E+00	2.17E-05	3.41E-02	4.67E-01	8.02E-02	7.47E+00	6.99E+00	8.97E+00
4868	495363.09	3861877.25	0.45876	2.79588	0.61508	0.48685	1.30677	0.67863	2.77257	2.79588	4.70E+00	1.26E+00	1.56E-05	2.52E-02	6.02E-01	9.38E-02	4.79E+00	4.63E+00	6.84E+00
4869	495863.09	3861877.25	0.39964	1.4868	0.63236	0.49931	1.34287	0.7973	1.49487	1.4868	4.10E+00	6.69E-01	1.60E-05	2.58E-02	6.19E-01	1.10E-01	2.58E+00	2.46E+00	5.64E+00
4870	496363.09	3861877.25	0.37328	1.10667	0.55214	0.46018	1.12273	0.80906	1.11345	1.10667	3.83E+00	4.98E-01	1.40E-05	2.38E-02	5.17E-01	1.12E-01	1.92E+00	1.83E+00	5.07E+00
4871	496863.09	3861877.25	0.39092	0.50612	0.54795	0.49511	0.96275	0.88518	0.47768	0.50612	4.01E+00	2.28E-01	1.39E-05	2.56E-02	4.44E-01	1.22E-01	8.25E-01	8.39E-01	4.81E+00
4872	497363.09	3861877.25	0.34017	0.60845	0.46397	0.44256	0.56894	0.67863	0.61189	0.60845	3.49E+00	2.74E-01	1.18E-05	2.29E-02	2.62E-01	9.38E-02	1.06E+00	1.01E+00	4.19E+00
4873	497863.09	3861877.25	0.31342	0.55607	0.41168	0.38601	0.74934	0.59338	0.55718	0.55607	3.21E+00	2.50E-01	1.04E-05	2.00E-02	3.45E-01	8.20E-02	9.62E-01	9.21E-01	3.95E+00
4874	498363.09	3861877.25	0.28933	0.5008	0.4304	0.34466	0.8568	0.56906	0.50206	0.5008	2.97E+00	2.25E-01	1.09E-05	1.78E-02	3.95E-01	7.87E-02	8.67E-01	8.30E-01	3.72E+00
4875	471363.09	3862377.25	0.21181	0.09353	0.24325	0.24118	0.99337	0.24499	0.08505	0.09353	2.17E+00	4.21E-02	6.17E-06	1.25E-02	4.58E-01	3.39E-02	1.47E-01	1.55E-01	2.71E+00
4876	471863.09	3862377.25	0.22481	0.09462	0.25841	0.24766	0.82042	0.2605	0.08541	0.09462	2.31E+00	4.26E-02	6.56E-06	1.28E-02	3.78E-01	3.60E-02	1.47E-01	1.57E-01	2.77E+00
4877	472363.09	3862377.25	0.24539	0.0957	0.27505	0.24157	0.62688	0.27279	0.08602	0.0957	2.52E+00	4.31E-02	6.98E-06	1.25E-02	2.89E-01	3.77E-02	1.49E-01	1.59E-01	2.89E+00
4878	472863.09	3862377.25	0.26523	0.09665	0.28725	0.23188	0.65889	0.27854	0.08665	0.09665	2.72E+00	4.35E-02	7.29E-06	1.20E-02	3.04E-01	3.85E-02	1.50E-01	1.60E-01	3.11E+00
4879	473363.09	3862377.25	0.28324	0.09744	0.29488	0.22603	0.66959	0.27876	0.08726	0.09744	2.90E+00	4.39E-02	7.48E-06	1.17E-02	3.09E-01	3.85E-02	1.51E-01	1.61E-01	3.30E+00
4880	473863.09	3862377.25	0.29879	0.09829	0.29698	0.2554	0.73234	0.27364	0.08798	0.09829	3.06E+00	4.42E-02	7.53E-06	1.32E-02	3.37E-01	3.78E-02	1.52E-01	1.63E-01	3.49E+00
4881	474363.09	3862377.25	0.31304	0.099	0.29103	0.28925	0.87268	0.26494	0.08861	0.099	3.21E+00	4.46E-02	7.38E-06	1.50E-02	4.02E-01	3.66E-02	1.53E-01	1.64E-01	3.70E+00
4882	474863.09	3862377.25	0.32611	0.09944	0.27291	0.32557	0.96647	0.25504	0.08931	0.09944	3.34E+00	4.48E-02	6.92E-06	1.69E-02	4.45E-01	3.53E-02	1.54E-01	1.65E-01	3.88E+00
4883	475363.09	3862377.25	0.32988	0.10012	0.33712	0.35414	0.98363	0.24453	0.0904	0.10012	3.38E+00	4.51E-02	8.55E-06	1.83E-02	4.53E-01	3.38E-02	1.56E-01	1.66E-01	3.92E+00
4884	475863.09	3862377.25	0.32816	0.10083	0.3358	0.36742	0.9157	0.23599	0.09215	0.10083	3.36E+00	4.54E-02	8.52E-06	1.90E-02	4.22E-01	3.26E-02	1.59E-01	1.67E-01	3.88E+00
4885	476363.09	3862377.25	0.32156	0.10125	0.3342	0.35778	0.91029	0.23033	0.09383	0.10125	3.30E+00	4.56E-02	8.48E-06	1.85E-02	4.19E-01	3.18E-02	1.62E-01	1.68E-01	3.81E+00
4886	476863.09	3862377.25	0.31051	0.10162	0.34338	0.32248	0.8562	0.22624	0.09554	0.10162	3.18E+00	4.57E-02	8.71E-06	1.67E-02	3.95E-01	3.13E-02	1.65E-01	1.68E-01	3.67E+00
4887	477363.09	3862377.25	0.30053	0.10167	0.25972	0.26624	0.71856	0.22186	0.09713	0.10167	3.08E+00	4.58E-02	6.59E-06	1.38E-02	3.31E-01	3.07E-02	1.68E-01	1.68E-01	3.50E+00
4888	477863.09	3862377.25	0.2956	0.10129	0.19705	0.20407	0.7354	0.18047	0.09798	0.10129	3.03E+00	4.56E-02	5.00E-06	1.06E-02	3.39E-01	2.50E-02	1.69E-01	1.68E-01	3.45E+00
4889	478363.09	3862377.25	0.26959	0.08311	0.15162	0.17623	0.9406	0.13702	0.0842	0.08311	2.76E+00	3.74E-02	3.85E-06	9.12E-03	4.33E-01	1.89E-02	1.45E-01	1.38E-01	3.27E+00
4890	478863.09	3862377.25	0.27279	0.07585	0.22008	0.20907	0.97651	0.13884	0.07723	0.07585	2.80E+00	3.41E-02	5.58E-06	1.08E-02	4.50E-01	1.92E-02	1.33E-01	1.26E-01	3.32E+00
4891	479363.09	3862377.25	0.29513	0.10044	0.24457	0.24019	0.87978	0.16537	0.10007	0.10044	3.03E+00	4.52E-02	6.20E-06	1.24E-02	4.05E-01	2.29E-02	1.73E-01	1.66E-01	3.52E+00
4892	479863.09	3862377.25	0.30004	0.10961	0.35172	0.37028	1.24556	0.27357	0.10935	0.10961	3.08E+00	4.93E-02	8.92E-06	1.92E-02	5.74E-01	3.78E-02	1.89E-01	1.82E-01	3.76E+00
4893	480363.09	3862377.25	0.29366	0.118	0.33373	0.33071	1.16526	0.34665	0.1138	0.118	3.01E+00	5.31E-02	8.47E-06	1.71E-02	5.37E-01	4.79E-02	1.96E-01	1.96E-01	3.67E+00
4894	480863.09	3862377.25	0.2991	0.1207	0.46539	0.29293	0.9498	0.3858	0.11826	0.1207	3.07E+00	5.43E-02	1.18E-05	1.52E-02	4.38E-01	5.33E-02	2.04E-01	2.00E-01	3.63E+00
4895	481363.09	3862377.25	0.30721	0.15585	0.42222	0.28305	1.08665	0.41859	0.13406	0.15585	3.15E+00	7.01E-02	1.07E-05	1.47E-02	5.01E-01	5.79E-02	2.31E-01	2.58E-01	3.77E+00
4896	481863.09	3862377.25	0.30665	0.18836	0.47386	0.23567	1.27446	0.40971	0.13711	0.18836	3.14E+00	8.48E-02	1.20E-05	1.22E-02	5.87E-01	5.66E-02	2.37E-01	3.12E-01	3.81E+00
4897	482363.09	3862377.25	0.3471	0.14549	0.52346	0.29852	1.58582	0.36135	0.11691	0.14549	3.56E+00	6.55E-02	1.33E-05	1.55E-02	7.31E-01	5.00E-02	2.02E-01	2.41E-01	4.38E+00
4898	482863.09	3862377.25	0.39966	0.12111	0.63032	0.36234	1.46109	0.32899	0.11651	0.12111	4.10E+00	5.45E-02	1.60E-05	1.88E-02	6.73E-01	4.55E-02	2.01E-01	2.01E-01	4.89E+00

4899	483363.09	3862377.25	0.41288	0.12266	0.44962	0.34623	0.91777	0.3159	0.12067	0.12266
4900	483863.09	3862377.25	0.36538	0.12479	0.52723	0.36657	1.10232	0.30097	0.12214	0.12479
4901	484363.09	3862377.25	0.31985	0.13011	0.49994	0.41544	1.24008	0.3216	0.12831	0.13011
4902	484863.09	3862377.25	0.35521	0.15314	0.43589	0.37392	1.06675	0.3332	0.12829	0.15314
4903	485363.09	3862377.25	0.44314	0.16181	0.58466	0.46266	1.219	0.33627	0.13432	0.16181
4904	485863.09	3862377.25	0.46645	0.14191	0.52222	0.50704	1.05357	0.39049	0.1411	0.14191
4905	486363.09	3862377.25	0.45262	0.15121	0.53193	0.44817	1.17416	0.39472	0.1496	0.15121
4906	486863.09	3862377.25	0.40677	0.1683	0.64961	0.44484	2.18435	0.38667	0.16661	0.1683
4907	487363.09	3862377.25	0.466	0.18831	0.48626	0.48191	2.57083	0.54843	0.18668	0.18831
4908	487863.09	3862377.25	0.63769	0.20706	0.67598	0.5701	0.89022	0.39227	0.20575	0.20706
4909	488363.09	3862377.25	0.80934	0.22104	0.70213	0.7481	0.73005	0.5615	0.22031	0.22104
4910	488863.09	3862377.25	1.20961	0.2392	0.69885	1.23485	1.41987	0.56387	0.2388	0.2392
4911	489363.09	3862377.25	1.52009	0.31723	0.7865	1.6449	1.60161	0.78687	0.25516	0.31723
4912	489863.09	3862377.25	1.41078	0.37656	0.49269	0.73374	0.55837	0.79105	0.2711	0.37656
4913	490363.09	3862377.25	1.03014	0.38459	0.59482	0.54638	1.79014	0.66244	0.32236	0.38459
4914	490863.09	3862377.25	0.75334	0.36634	0.51881	0.53247	3.07352	0.55414	0.39415	0.36634
4915	491363.09	3862377.25	0.46525	0.35644	0.68058	0.37107	2.37023	0.42857	0.46304	0.35644
4916	491863.09	3862377.25	0.43102	0.37814	0.49896	0.48731	1.8466	0.34965	0.45137	0.37814
4917	492363.09	3862377.25	0.47756	0.40497	0.50862	0.43673	1.29372	0.39645	0.4088	0.40497
4918	492863.09	3862377.25	0.56081	0.45483	0.56233	0.56265	0.71744	0.45906	0.45902	0.45483
4919	493363.09	3862377.25	0.61781	0.63525	0.53435	0.64618	0.8481	0.45481	0.6401	0.63525
4920	493863.09	3862377.25	0.64208	0.59017	0.75851	0.45602	0.79837	0.44202	0.5986	0.59017
4921	494363.09	3862377.25	0.6328	0.77515	0.98593	0.50484	0.59732	0.50466	0.74621	0.77515
4922	494863.09	3862377.25	0.66064	1.24203	1.13784	0.57766	0.83992	0.50805	1.16504	1.24203
4923	495363.09	3862377.25	0.60874	1.30081	0.98146	0.56198	0.95462	0.4732	1.27194	1.30081
4924	495863.09	3862377.25	0.50881	1.40758	0.72051	0.51569	0.97102	0.47288	1.46541	1.40758
4925	496363.09	3862377.25	0.40182	2.16787	0.50828	0.40236	1.1716	0.50926	2.17113	2.16787
4926	496863.09	3862377.25	0.34362	8.31444	0.54224	0.38878	1.15188	0.54147	8.01331	8.31444
4927	497363.09	3862377.25	0.33121	3.38946	0.50417	0.37205	0.94811	0.58323	3.41729	3.38946
4928	497863.09	3862377.25	0.31754	6.99035	0.43307	0.32983	0.71703	0.57094	7.38837	6.99035
4929	498363.09	3862377.25	0.30125	2.60148	0.36073	0.34753	0.45824	0.48146	2.61584	2.60148
4930	471363.09	3862877.25	0.22809	0.09497	0.24862	0.20642	0.57138	0.26175	0.08527	0.09497
4931	471863.09	3862877.25	0.24589	0.09585	0.24308	0.23244	0.58655	0.25954	0.0861	0.09585
4932	472363.09	3862877.25	0.26122	0.09676	0.23349	0.26126	0.60084	0.25289	0.08709	0.09676
4933	472863.09	3862877.25	0.27477	0.09761	0.21871	0.29111	0.72824	0.24296	0.08813	0.09761
4934	473363.09	3862877.25	0.28508	0.09846	0.20097	0.31727	0.82723	0.23299	0.0893	0.09846
4935	473863.09	3862877.25	0.29335	0.09922	0.22434	0.33455	0.87656	0.22487	0.09061	0.09922
4936	474363.09	3862877.25	0.29969	0.09973	0.26161	0.33744	0.86146	0.21926	0.09206	0.09973
4937	474863.09	3862877.25	0.3013	0.10041	0.31187	0.32051	0.79226	0.21544	0.09375	0.10041
4938	475363.09	3862877.25	0.29471	0.10142	0.32225	0.28442	0.81022	0.21233	0.09612	0.10142
4939	475863.09	3862877.25	0.28425	0.1025	0.31513	0.23874	0.74419	0.21659	0.09833	0.1025
4940	476363.09	3862877.25	0.27192	0.10352	0.25234	0.2072	0.60669	0.22803	0.10052	0.10352
4941	476863.09	3862877.25	0.26243	0.10439	0.25056	0.22543	0.63027	0.23691	0.1025	0.10439
4942	477363.09	3862877.25	0.25713	0.10562	0.3733	0.24591	0.83273	0.24072	0.10453	0.10562
4943	477863.09	3862877.25	0.26122	0.10641	0.33019	0.25536	0.94134	0.21789	0.10596	0.10641
4944	478363.09	3862877.25	0.26669	0.10235	0.21788	0.26682	0.84541	0.16244	0.10324	0.10235
4945	478863.09	3862877.25	0.27076	0.10736	0.20443	0.30189	1.02404	0.17334	0.10763	0.10736
4946	479363.09	3862877.25	0.27032	0.10903	0.29988	0.28103	1.2805	0.18752	0.10935	0.10903
4947	479863.09	3862877.25	0.25386	0.11388	0.35423	0.28492	1.03833	0.33338	0.11396	0.11388
4948	480363.09	3862877.25	0.2458	0.11453	0.40835	0.23921	0.80556	0.34556	0.11435	0.11453
4949	480863.09	3862877.25	0.24341	0.12049	0.41712	0.20957	1.08959	0.34032	0.11731	0.12049
4950	481363.09	3862877.25	0.23313	0.15567	0.44125	0.24962	1.18375	0.30103	0.13014	0.15567
4951	481863.09	3862877.25	0.25275	0.1867	0.41636	0.3181	1.44831	0.28205	0.13557	0.1867
4952	482363.09	3862877.25	0.34904	0.1357	0.55406	0.32158	1.30563	0.26015	0.10911	0.1357
4953	482863.09	3862877.25	0.39879	0.11671	0.40158	0.27871	0.85451	0.25915	0.1107	0.11671
4954	483363.09	3862877.25	0.40344	0.12055	0.38398	0.35491	0.93082	0.2666	0.11952	0.12055
4955	483863.09	3862877.25	0.35778	0.13106	0.48107	0.35875	1.03392	0.27552	0.12987	0.13106

4.23E+00	5.52E-02	1.14E-05	1.79E-02	4.23E-01	4.37E-02	2.08E-01	2.03E-01	4.78E+00
3.75E+00	5.62E-02	1.34E-05	1.90E-02	5.08E-01	4.16E-02	2.11E-01	2.07E-01	4.38E+00
3.28E+00	5.86E-02	1.27E-05	2.15E-02	5.71E-01	4.45E-02	2.22E-01	2.16E-01	3.98E+00
3.64E+00	6.89E-02	1.11E-05	1.94E-02	4.92E-01	4.61E-02	2.21E-01	2.54E-01	4.24E+00
4.54E+00	7.28E-02	1.48E-05	2.40E-02	5.62E-01	4.65E-02	2.32E-01	2.68E-01	5.21E+00
4.78E+00	6.39E-02	1.32E-05	2.62E-02	4.86E-01	5.40E-02	2.44E-01	2.35E-01	5.42E+00
4.64E+00	6.81E-02	1.35E-05	2.32E-02	5.41E-01	5.46E-02	2.58E-01	2.51E-01	5.34E+00
4.17E+00	7.57E-02	1.65E-05	2.30E-02	1.01E+00	5.35E-02	2.88E-01	2.79E-01	5.34E+00
4.78E+00	8.47E-02	1.23E-05	2.49E-02	1.18E+00	7.58E-02	3.22E-01	3.12E-01	6.16E+00
6.54E+00	9.32E-02	1.71E-05	2.95E-02	4.10E-01	5.42E-02	3.55E-01	3.43E-01	7.14E+00
8.30E+00	9.95E-02	1.78E-05	3.87E-02	3.36E-01	7.76E-02	3.80E-01	3.66E-01	8.87E+00
1.24E+01	1.08E-01	1.77E-05	6.39E-02	6.54E-01	7.80E-02	4.12E-01	3.96E-01	1.33E+01
1.56E+01	1.43E-01	2.00E-05	8.52E-02	7.38E-01	1.09E-01	4.41E-01	5.26E-01	1.66E+01
1.45E+01	1.69E-01	1.25E-05	3.80E-02	2.57E-01	1.09E-01	4.68E-01	6.24E-01	1.49E+01
1.06E+01	1.73E-01	1.51E-05	2.83E-02	8.25E-01	9.16E-02	5.57E-01	6.37E-01	1.16E+01
7.72E+00	1.65E-01	1.32E-05	2.76E-02	1.42E+00	7.66E-02	6.81E-01	6.07E-01	9.48E+00
4.77E+00	1.60E-01	1.73E-05	1.92E-02	1.09E+00	5.93E-02	7.99E-01	5.91E-01	6.31E+00
4.42E+00	1.70E-01	1.27E-05	2.52E-02	8.51E-01	4.83E-02	7.79E-01	6.27E-01	5.67E+00
4.90E+00	1.82E-01	1.29E-05	2.26E-02	5.96E-01	5.48E-02	7.06E-01	6.71E-01	5.79E+00
5.75E+00	2.05E-01	1.43E-05	2.91E-02	3.31E-01	6.35E-02	7.93E-01	7.54E-01	6.42E+00
6.34E+00	2.86E-01	1.36E-05	3.35E-02	3.91E-01	6.29E-02	1.11E+00	1.05E+00	7.16E+00
6.58E+00	2.66E-01	1.92E-05	2.36E-02	3.68E-01	6.11E-02	1.03E+00	9.78E-01	7.36E+00
6.49E+00	3.49E-01	2.50E-05	2.61E-02	2.75E-01	6.98E-02	1.29E+00	1.28E+00	7.21E+00
6.77E+00	5.59E-01	2.89E-05	2.99E-02	3.87E-01	7.02E-02	2.01E+00	2.06E+00	7.77E+00
6.24E+00	5.85E-01	2.49E-05	2.91E-02	4.40E-01	6.54E-02	2.20E+00	2.16E+00	7.40E+00
5.22E+00	6.33E-01	1.83E-05	2.67E-02	4.47E-01	6.54E-02	2.53E+00	2.33E+00	6.59E+00
4.12E+00	9.76E-01	1.29E-05	2.08E-02	5.40E-01	7.04E-02	3.75E+00	3.59E+00	5.88E+00
3.52E+00	3.74E+00	1.38E-05	2.01E-02	5.31E-01	7.49E-02	1.38E+01	1.38E+01	7.95E+00
3.40E+00	1.53E+00	1.28E-05	1.93E-02	4.37E-01	8.06E-02	5.90E+00	5.62E+00	5.74E+00
3.26E+00	3.15E+00	1.10E-05	1.71E-02	3.30E-01	7.89E-02	1.28E+01	1.16E+01	8.00E+00
3.09E+00	1.17E+00	9.15E-06	1.80E-02	2.11E-01	6.66E-02	4.52E+00	4.31E+00	4.76E+00
2.34E+00	4.27E-02	6.31E-06	1.07E-02	2.63E-01	3.62E-02	1.47E-01	1.57E-01	2.68E+00
2.52E+00	4.31E-02	6.17E-06	1.20E-02	2.70E-01	3.59E-02	1.49E-01	1.59E-01	2.87E+00
2.68E+00	4.35E-02	5.92E-06	1.35E-02	2.77E-01	3.50E-02	1.50E-01	1.60E-01	3.04E+00
2.82E+00	4.39E-02	5.55E-06	1.51E-02	3.36E-01	3.36E-02	1.52E-01	1.62E-01	3.24E+00
2.92E+00	4.43E-02	5.10E-06	1.64E-02	3.81E-01	3.22E-02	1.54E-01	1.63E-01	3.39E+00
3.01E+00	4.47E-02	5.69E-06	1.73E-02	4.04E-01	3.11E-02	1.56E-01	1.64E-01	3.50E+00
3.07E+00	4.49E-02	6.64E-06	1.75E-02	3.97E-01	3.03E-02	1.59E-01	1.65E-01	3.56E+00
3.09E+00	4.52E-02	7.91E-06	1.66E-02	3.65E-01	2.98E-02	1.62E-01	1.66E-01	3.54E+00
3.02E+00	4.56E-02	8.17E-06	1.47E-02	3.73E-01	2.94E-02	1.66E-01	1.68E-01	3.48E+00
2.91E+00	4.61E-02	7.99E-06	1.24E-02	3.43E-01	2.99E-02	1.70E-01	1.70E-01	3.35E+00
2.79E+00	4.66E-02	6.40E-06	1.07E-02	2.80E-01	3.15E-02	1.74E-01	1.72E-01	3.16E+00
2.69E+00	4.70E-02	6.36E-06	1.17E-02	2.90E-01	3.28E-02	1.77E-01	1.73E-01	3.08E+00
2.64E+00	4.75E-02	9.47E-06	1.27E-02	3.84E-01	3.33E-02	1.80E-01	1.75E-01	3.12E+00
2.68E+00	4.79E-02	8.38E-06	1.32E-02	4.34E-01	3.01E-02	1.83E-01	1.76E-01	3.21E+00
2.73E+00	4.61E-02	5.53E-06	1.38E-02	3.90E-01	2.25E-02	1.78E-01	1.70E-01	3.22E+00
2.78E+00	4.83E-02	5.19E-06	1.56E-02	4.72E-01	2.40E-02	1.86E-01	1.78E-01	3.34E+00
2.77E+00	4.91E-02	7.61E-06	1.45E-02	5.90E-01	2.59E-02	1.89E-01	1.81E-01	3.46E+00
2.60E+00	5.13E-02	8.99E-06	1.47E-02	4.79E-01	4.61E-02	1.97E-01	1.89E-01	3.20E+00
2.52E+00	5.15E-02	1.04E-05	1.24E-02	3.71E-01	4.78E-02	1.97E-01	1.90E-01	3.01E+00
2.50E+00	5.42E-02	1.06E-05	1.08E-02	5.02E-01	4.71E-02	2.03E-01	2.00E-01	3.11E+00
2.39E+00	7.01E-02	1.12E-05	1.29E-02	5.46E-01	4.16E-02	2.25E-01	2.58E-01	3.03E+00
2.59E+00	8.40E-02	1.06E-05	1.65E-02	6.67E-01	3.90E-02	2.34E-01	3.09E-01	3.32E+00
3.58E+00	6.11E-02	1.41E-05	1.66E-02	6.02E-01	3.60E-02	1.88E-01	2.25E-01	4.26E+00
4.09E+00	5.25E-02	1.02E-05	1.44E-02	3.94E-01	3.58E-02	1.91E-01	1.93E-01	4.58E+00
4.14E+00	5.43E-02	9.74E-06	1.84E-02	4.29E-01	3.69E-02	2.06E-01	2.00E-01	4.68E+00
3.67E+00	5.90E-02	1.22E-05	1.86E-02	4.76E-01	3.81E-02	2.24E-01	2.17E-01	4.27E+00

4956	484363.09	3862877.25	0.31196	0.14135	0.46955	0.30613	1.07029	0.29139	0.14009	0.14135
4957	484863.09	3862877.25	0.29707	0.15207	0.49067	0.37766	0.96232	0.26974	0.15078	0.15207
4958	485363.09	3862877.25	0.41634	0.1617	0.42012	0.35228	1.06042	0.27203	0.1605	0.1617
4959	485863.09	3862877.25	0.45541	0.17026	0.48752	0.39411	1.10305	0.39148	0.16928	0.17026
4960	486363.09	3862877.25	0.4037	0.17975	0.58341	0.39484	1.01971	0.38553	0.17901	0.17975
4961	486863.09	3862877.25	0.35525	0.18742	0.55392	0.40887	2.33731	0.39434	0.18715	0.18742
4962	487363.09	3862877.25	0.41715	0.19506	0.50142	0.45192	2.28585	0.49587	0.19518	0.19506
4963	487863.09	3862877.25	0.51054	0.20156	0.51349	0.55532	0.81067	0.41293	0.20205	0.20156
4964	488363.09	3862877.25	0.66463	0.20761	0.4463	0.69844	0.69409	0.49012	0.20834	0.20761
4965	488863.09	3862877.25	0.89155	0.2141	0.41311	1.21461	1.07715	0.4265	0.21473	0.2141
4966	489363.09	3862877.25	1.26158	0.25772	0.71214	1.68952	1.63068	0.49991	0.2263	0.25772
4967	489863.09	3862877.25	1.3788	0.33932	0.44274	0.73379	0.63882	0.69605	0.24343	0.33932
4968	490363.09	3862877.25	1.1843	0.37564	0.38092	0.51521	0.84901	0.64213	0.28134	0.37564
4969	490863.09	3862877.25	0.86621	0.36776	0.37254	0.51839	2.23815	0.48627	0.32891	0.36776
4970	491363.09	3862877.25	0.65304	0.33485	0.54639	0.411	2.7831	0.35502	0.38102	0.33485
4971	491863.09	3862877.25	0.43125	0.32992	0.48811	0.35993	1.69322	0.34627	0.4275	0.32992
4972	492363.09	3862877.25	0.4066	0.33285	0.44068	0.44492	1.65714	0.33412	0.39766	0.33285
4973	492863.09	3862877.25	0.37221	0.34887	0.47998	0.378	1.05282	0.3199	0.35672	0.34887
4974	493363.09	3862877.25	0.44943	0.40752	0.51393	0.47414	0.63399	0.41158	0.41118	0.40752
4975	493863.09	3862877.25	0.51889	0.52242	0.48775	0.58002	0.77809	0.39367	0.52681	0.52242
4976	494363.09	3862877.25	0.56354	0.51816	0.55956	0.45283	0.75916	0.38593	0.52073	0.51816
4977	494863.09	3862877.25	0.56891	0.56643	0.71842	0.36021	0.53886	0.42167	0.56983	0.56643
4978	495363.09	3862877.25	0.59471	0.85834	0.93549	0.50148	0.62798	0.45177	0.77394	0.85834
4979	495863.09	3862877.25	0.59613	1.1017	0.98015	0.44379	0.84511	0.42849	1.04496	1.1017
4980	496363.09	3862877.25	0.54062	0.9409	0.83166	0.47605	0.80122	0.41891	0.9214	0.9409
4981	496863.09	3862877.25	0.45212	0.88709	0.62864	0.42203	0.95215	0.41451	0.92757	0.88709
4982	497363.09	3862877.25	0.35801	1.20292	0.45316	0.34398	1.05482	0.39905	1.21449	1.20292
4983	497863.09	3862877.25	0.29385	1.36633	0.4482	0.28983	0.97071	0.38938	1.35323	1.36633
4984	498363.09	3862877.25	0.29651	1.10037	0.45319	0.30895	0.81624	0.44912	1.07208	1.10037
4985	471363.09	3863377.25	0.23949	0.09594	0.18287	0.29084	0.61102	0.22601	0.08714	0.09594
4986	471863.09	3863377.25	0.25148	0.09679	0.14997	0.30961	0.70946	0.21638	0.08852	0.09679
4987	472363.09	3863377.25	0.26078	0.09768	0.15314	0.31677	0.77452	0.20824	0.09011	0.09768
4988	472863.09	3863377.25	0.26737	0.09852	0.19233	0.30852	0.79027	0.20283	0.09176	0.09852
4989	473363.09	3863377.25	0.27161	0.09969	0.22951	0.28526	0.74951	0.19998	0.09384	0.09969
4990	473863.09	3863377.25	0.27378	0.10065	0.2765	0.25153	0.72394	0.19828	0.09589	0.10065
4991	474363.09	3863377.25	0.27206	0.10148	0.29319	0.21347	0.72432	0.20464	0.09796	0.10148
4992	474863.09	3863377.25	0.26278	0.10301	0.27348	0.17886	0.6508	0.20863	0.10053	0.10301
4993	475363.09	3863377.25	0.25284	0.10405	0.23998	0.19139	0.52601	0.21109	0.10259	0.10405
4994	475863.09	3863377.25	0.2415	0.10552	0.22891	0.20269	0.54767	0.2086	0.10461	0.10552
4995	476363.09	3863377.25	0.22988	0.10711	0.26693	0.20412	0.7269	0.20084	0.10673	0.10711
4996	476863.09	3863377.25	0.22956	0.1085	0.34723	0.21853	0.82872	0.20862	0.1085	0.1085
4997	477363.09	3863377.25	0.23178	0.10941	0.34375	0.25673	0.80738	0.21806	0.10955	0.10941
4998	477863.09	3863377.25	0.2249	0.10932	0.25625	0.2961	0.72359	0.23094	0.10948	0.10932
4999	478363.09	3863377.25	0.21845	0.10803	0.21161	0.28085	1.12885	0.23254	0.10848	0.10803
5000	478863.09	3863377.25	0.21548	0.10713	0.27056	0.29398	1.15267	0.24148	0.10762	0.10713
5001	479363.09	3863377.25	0.2171	0.10636	0.39037	0.2286	0.97328	0.27611	0.1065	0.10636
5002	479863.09	3863377.25	0.21386	0.1062	0.37906	0.18548	0.83701	0.28628	0.10631	0.1062
5003	480363.09	3863377.25	0.21783	0.10521	0.36904	0.21142	1.05367	0.26565	0.10546	0.10521
5004	480863.09	3863377.25	0.22518	0.11923	0.32291	0.27583	1.10563	0.24828	0.11417	0.11923
5005	481363.09	3863377.25	0.22658	0.15453	0.37959	0.29373	1.29308	0.23384	0.1261	0.15453
5006	481863.09	3863377.25	0.25852	0.16714	0.48104	0.25999	1.17837	0.22516	0.12216	0.16714
5007	482363.09	3863377.25	0.3521	0.12813	0.40035	0.28767	0.79669	0.22504	0.12506	0.12813
5008	482863.09	3863377.25	0.39444	0.13247	0.28052	0.32548	0.75044	0.23553	0.13184	0.13247
5009	483363.09	3863377.25	0.39289	0.13816	0.39426	0.3037	0.97463	0.24495	0.13764	0.13816
5010	483863.09	3863377.25	0.34793	0.14354	0.44107	0.31081	1.0436	0.24139	0.14314	0.14354
5011	484363.09	3863377.25	0.30215	0.14919	0.37285	0.37629	0.90492	0.21868	0.14893	0.14919
5012	484863.09	3863377.25	0.27407	0.1537	0.40671	0.32201	1.03565	0.22071	0.15357	0.1537

3.20E+00	6.36E-02	1.19E-05	1.58E-02	4.93E-01	4.03E-02	2.42E-01	2.34E-01	3.82E+00
3.05E+00	6.84E-02	1.24E-05	1.96E-02	4.43E-01	3.73E-02	2.60E-01	2.52E-01	3.62E+00
4.27E+00	7.28E-02	1.07E-05	1.82E-02	4.89E-01	3.76E-02	2.77E-01	2.68E-01	4.90E+00
4.67E+00	7.66E-02	1.24E-05	2.04E-02	5.08E-01	5.41E-02	2.92E-01	2.82E-01	5.34E+00
4.14E+00	8.09E-02	1.48E-05	2.04E-02	4.70E-01	5.33E-02	3.09E-01	2.98E-01	4.78E+00
3.64E+00	8.43E-02	1.41E-05	2.12E-02	1.08E+00	5.45E-02	3.23E-01	3.11E-01	4.89E+00
4.28E+00	8.78E-02	1.27E-05	2.34E-02	1.05E+00	6.86E-02	3.37E-01	3.23E-01	5.52E+00
5.24E+00	9.07E-02	1.30E-05	2.87E-02	3.74E-01	5.71E-02	3.49E-01	3.34E-01	5.80E+00
6.82E+00	9.34E-02	1.13E-05	3.62E-02	3.20E-01	6.78E-02	3.60E-01	3.44E-01	7.35E+00
9.14E+00	9.64E-02	1.05E-05	6.29E-02	4.96E-01	5.90E-02	3.71E-01	3.55E-01	9.87E+00
1.29E+01	1.16E-01	1.81E-05	8.75E-02	7.51E-01	6.91E-02	3.91E-01	4.27E-01	1.39E+01
1.41E+01	1.53E-01	1.12E-05	3.80E-02	2.94E-01	9.62E-02	4.20E-01	5.62E-01	1.46E+01
1.21E+01	1.69E-01	9.66E-06	2.67E-02	3.91E-01	8.88E-02	4.86E-01	6.22E-01	1.27E+01
8.88E+00	1.66E-01	9.45E-06	2.68E-02	1.03E+00	6.72E-02	5.68E-01	6.09E-01	1.01E+01
6.70E+00	1.51E-01	1.39E-05	2.13E-02	1.28E+00	4.91E-02	6.58E-01	5.55E-01	8.30E+00
4.42E+00	1.48E-01	1.24E-05	1.86E-02	7.80E-01	4.79E-02	7.38E-01	5.47E-01	5.61E+00
4.17E+00	1.50E-01	1.12E-05	2.30E-02	7.64E-01	4.62E-02	6.87E-01	5.52E-01	5.29E+00
3.82E+00	1.57E-01	1.22E-05	1.96E-02	4.85E-01	4.42E-02	6.16E-01	5.78E-01	4.56E+00
4.61E+00	1.83E-01	1.30E-05	2.45E-02	2.92E-01	5.69E-02	7.10E-01	6.75E-01	5.20E+00
5.32E+00	2.35E-01	1.24E-05	3.00E-02	3.59E-01	5.44E-02	9.10E-01	8.66E-01	6.04E+00
5.78E+00	2.33E-01	1.42E-05	2.34E-02	3.50E-01	5.34E-02	8.99E-01	8.59E-01	6.48E+00
5.83E+00	2.55E-01	1.82E-05	1.86E-02	2.48E-01	5.83E-02	9.84E-01	9.39E-01	6.46E+00
6.10E+00	3.86E-01	2.37E-05	2.60E-02	2.89E-01	6.25E-02	1.34E+00	1.42E+00	6.78E+00
6.11E+00	4.96E-01	2.49E-05	2.30E-02	3.89E-01	5.92E-02	1.80E+00	1.83E+00	7.06E+00
5.54E+00	4.23E-01	2.11E-05	2.46E-02	3.69E-01	5.79E-02	1.59E+00	1.56E+00	6.45E+00
4.64E+00	3.99E-01	1.59E-05	2.18E-02	4.39E-01	5.73E-02	1.60E+00	1.47E+00	5.68E+00
3.67E+00	5.41E-01	1.15E-05	1.78E-02	4.86E-01	5.52E-02	2.10E+00	1.99E+00	4.88E+00
3.01E+00	6.15E-01	1.14E-05	1.50E-02	4.47E-01	5.38E-02	2.34E+00	2.26E+00	4.22E+00
3.04E+00	4.95E-01	1.15E-05	1.60E-02	3.76E-01	6.21E-02	1.85E+00	1.82E+00	4.02E+00
2.46E+00	4.32E-02	4.64E-06	1.51E-02	2.82E-01	3.12E-02	1.50E-01	1.59E-01	2.82E+00
2.58E+00	4.36E-02	3.80E-06	1.60E-02	3.27E-01	2.99E-02	1.53E-01	1.60E-01	2.99E+00
2.67E+00	4.40E-02	3.88E-06	1.64E-02	3.57E-01	2.88E-02	1.56E-01	1.62E-01	3.11E+00
2.74E+00	4.43E-02	4.88E-06	1.60E-02	3.64E-01	2.80E-02	1.58E-01	1.63E-01	3.19E+00
2.79E+00	4.49E-02	5.82E-06	1.48E-02	3.45E-01	2.76E-02	1.62E-01	1.65E-01	3.21E+00
2.81E+00	4.53E-02	7.01E-06	1.30E-02	3.34E-01	2.74E-02	1.66E-01	1.67E-01	3.23E+00
2.79E+00	4.57E-02	7.44E-06	1.11E-02	3.34E-01	2.83E-02	1.69E-01	1.68E-01	3.21E+00
2.69E+00	4.64E-02	6.94E-06	9.26E-03	3.00E-01	2.88E-02	1.74E-01	1.71E-01	3.08E+00
2.59E+00	4.68E-02	6.09E-06	9.91E-03	2.42E-01	2.92E-02	1.77E-01	1.72E-01	2.93E+00
2.48E+00	4.75E-02	5.81E-06	1.05E-02	2.52E-01	2.88E-02	1.81E-01	1.75E-01	2.82E+00
2.36E+00	4.82E-02	6.77E-06	1.06E-02	3.35E-01	2.78E-02	1.84E-01	1.77E-01	2.79E+00
2.35E+00	4.88E-02	8.81E-06	1.13E-02	3.82E-01	2.88E-02	1.87E-01	1.80E-01	2.83E+00
2.38E+00	4.92E-02	8.72E-06	1.33E-02	3.72E-01	3.01E-02	1.89E-01	1.81E-01	2.85E+00
2.31E+00	4.92E-02	6.50E-06	1.53E-02	3.33E-01	3.19E-02	1.89E-01	1.81E-01	2.74E+00
2.24E+00	4.86E-02	5.37E-06	1.45E-02	5.20E-01	3.21E-02	1.87E-01	1.79E-01	2.86E+00
2.21E+00	4.82E-02	6.86E-06	1.52E-02	5.31E-01	3.34E-02	1.86E-01	1.78E-01	2.85E+00
2.23E+00	4.79E-02	9.90E-06	1.18E-02	4.49E-01	3.82E-02	1.84E-01	1.76E-01	2.78E+00
2.19E+00	4.78E-02	9.62E-06	9.60E-03	3.86E-01	3.96E-02	1.84E-01	1.76E-01	2.68E+00
2.23E+00	4.73E-02	9.36E-06	1.09E-02	4.86E-01	3.67E-02	1.82E-01	1.74E-01	2.82E+00
2.31E+00	5.37E-02	8.19E-06	1.43E-02	5.10E-01	3.43E-02	1.97E-01	1.98E-01	2.92E+00
2.32E+00	6.95E-02	9.63E-06	1.52E-02	5.96E-01	3.23E-02	2.18E-01	2.56E-01	3.00E+00
2.65E+00	7.52E-02	1.22E-05	1.35E-02	5.43E-01	3.11E-02	2.11E-01	2.77E-01	3.25E+00
3.61E+00	5.77E-02	1.02E-05	1.49E-02	3.67E-01	3.11E-02	2.16E-01	2.12E-01	4.08E+00
4.04E+00	5.96E-02	7.12E-06	1.68E-02	3.46E-01	3.26E-02	2.28E-01	2.19E-01	4.51E+00
4.03E+00	6.22E-02	1.00E-05	1.57E-02	4.49E-01	3.39E-02	2.38E-01	2.29E-01	4.60E+00
3.57E+00	6.46E-02	1.12E-05	1.61E-02	4.81E-01	3.34E-02	2.47E-01	2.38E-01	4.17E+00
3.10E+00	6.71E-02	9.46E-06	1.95E-02	4.17E-01	3.02E-02	2.57E-01	2.47E-01	3.64E+00
2.81E+00	6.92E-02	1.03E-05	1.67E-02	4.77E-01	3.05E-02	2.65E-01	2.55E-01	3.41E+00

5013	485363.09	3863377.25	0.38482	0.15893	0.45492	0.35032	0.75152	0.25688	0.15888	0.15893	3.95E+00	7.15E-02	1.15E-05	1.81E-02	3.46E-01	3.55E-02	2.74E-01	2.63E-01	4.43E+00
5014	485863.09	3863377.25	0.41333	0.16284	0.50971	0.35211	1.03885	0.39111	0.16294	0.16284	4.24E+00	7.33E-02	1.29E-05	1.82E-02	4.79E-01	5.41E-02	2.81E-01	2.70E-01	4.87E+00
5015	486363.09	3863377.25	0.37511	0.16626	0.4265	0.35562	0.90863	0.37094	0.16646	0.16626	3.85E+00	7.48E-02	1.08E-05	1.84E-02	4.19E-01	5.13E-02	2.87E-01	2.75E-01	4.42E+00
5016	486863.09	3863377.25	0.35733	0.16998	0.48423	0.39947	2.45517	0.41195	0.17027	0.16998	3.66E+00	7.65E-02	1.23E-05	2.07E-02	1.13E+00	5.70E-02	2.94E-01	2.82E-01	4.96E+00
5017	487363.09	3863377.25	0.42413	0.17453	0.45651	0.40774	2.00913	0.45144	0.17506	0.17453	4.35E+00	7.85E-02	1.16E-05	2.11E-02	9.26E-01	6.24E-02	3.02E-01	2.89E-01	5.45E+00
5018	487863.09	3863377.25	0.39494	0.18101	0.50766	0.48737	0.74249	0.42243	0.18171	0.18101	4.05E+00	8.15E-02	1.29E-05	2.52E-02	3.42E-01	5.84E-02	3.14E-01	3.00E-01	4.57E+00
5019	488363.09	3863377.25	0.54477	0.18695	0.48242	0.68754	0.6537	0.40331	0.18791	0.18695	5.59E+00	8.41E-02	1.22E-05	3.56E-02	3.01E-01	5.58E-02	3.24E-01	3.10E-01	6.08E+00
5020	488863.09	3863377.25	0.70645	0.19553	0.31354	1.31043	0.81316	0.39705	0.19623	0.19553	7.24E+00	8.80E-02	7.95E-06	6.78E-02	3.75E-01	5.49E-02	3.39E-01	3.24E-01	7.84E+00
5021	489363.09	3863377.25	0.97684	0.21083	0.6228	1.63642	1.49888	0.42548	0.20798	0.21083	1.00E+01	9.49E-02	1.58E-05	8.47E-02	6.91E-01	5.88E-02	3.59E-01	3.49E-01	1.10E+01
5022	489863.09	3863377.25	1.24221	0.27247	0.35208	0.66363	0.90254	0.42496	0.22291	0.27247	1.27E+01	1.23E-01	8.93E-06	3.44E-02	4.16E-01	5.88E-02	3.85E-01	4.51E-01	1.33E+01
5023	490363.09	3863377.25	1.22952	0.33171	0.37248	0.4885	0.4865	0.52559	0.24321	0.33171	1.26E+01	1.49E-01	9.45E-06	2.53E-02	2.24E-01	7.27E-02	4.20E-01	5.50E-01	1.29E+01
5024	490863.09	3863377.25	0.96902	0.34976	0.45241	0.43867	1.32066	0.48317	0.27328	0.34976	9.94E+00	1.57E-01	1.15E-05	2.27E-02	6.09E-01	6.68E-02	4.72E-01	5.80E-01	1.07E+01
5025	491363.09	3863377.25	0.77417	0.32956	0.31781	0.40896	2.39098	0.3913	0.31032	0.32956	7.94E+00	1.48E-01	8.06E-06	2.12E-02	1.10E+00	5.41E-02	5.36E-01	5.46E-01	9.25E+00
5026	491863.09	3863377.25	0.5586	0.30381	0.49452	0.32255	2.25438	0.30121	0.35893	0.30381	5.73E+00	1.37E-01	1.25E-05	1.67E-02	1.04E+00	4.16E-02	6.20E-01	5.03E-01	7.08E+00
5027	492363.09	3863377.25	0.40984	0.30441	0.39871	0.36199	1.33438	0.34534	0.37744	0.30441	4.20E+00	1.37E-01	1.01E-05	1.87E-02	6.15E-01	4.77E-02	6.52E-01	5.04E-01	5.17E+00
5028	492863.09	3863377.25	0.40194	0.28801	0.4201	0.42117	1.54613	0.41368	0.30616	0.28801	4.12E+00	1.30E-01	1.07E-05	2.18E-02	7.13E-01	5.72E-02	5.29E-01	4.77E-01	5.09E+00
5029	493363.09	3863377.25	0.38762	0.26682	0.51323	0.35712	0.94334	0.39498	0.28604	0.26682	3.97E+00	1.20E-01	1.30E-05	1.85E-02	4.35E-01	5.46E-02	4.94E-01	4.42E-01	4.65E+00
5030	493863.09	3863377.25	0.39954	0.37106	0.53256	0.42992	0.59071	0.27874	0.3744	0.37106	4.10E+00	1.67E-01	1.35E-05	2.23E-02	2.72E-01	3.85E-02	6.46E-01	6.15E-01	4.63E+00
5031	494363.09	3863377.25	0.45206	0.42551	0.45742	0.52991	0.7296	0.35655	0.42818	0.42551	4.64E+00	1.91E-01	1.16E-05	2.74E-02	3.36E-01	4.93E-02	7.39E-01	7.05E-01	5.27E+00
5032	494863.09	3863377.25	0.5065	0.32517	0.42714	0.46023	0.73932	0.35302	0.38772	0.32517	5.19E+00	1.46E-01	1.08E-05	2.38E-02	3.41E-01	4.88E-02	6.69E-01	5.39E-01	5.88E+00
5033	495363.09	3863377.25	0.54625	0.3305	0.68895	0.36111	0.53456	0.38643	0.36512	0.3305	5.60E+00	1.49E-01	1.75E-05	1.87E-02	2.46E-01	5.34E-02	6.30E-01	5.48E-01	6.15E+00
5034	495863.09	3863377.25	0.58797	0.56451	0.91196	0.42486	0.50288	0.41559	0.56723	0.56451	6.03E+00	2.54E-01	2.31E-05	2.20E-02	2.32E-01	5.75E-02	9.79E-01	9.35E-01	6.64E+00
5035	496363.09	3863377.25	0.57	0.52591	0.89758	0.45088	0.72329	0.40756	0.50623	0.52591	5.84E+00	2.37E-01	2.28E-05	2.33E-02	3.33E-01	5.63E-02	8.74E-01	8.71E-01	6.50E+00
5036	496863.09	3863377.25	0.53936	0.60828	0.8471	0.3908	0.76887	0.3633	0.56653	0.60828	5.53E+00	2.74E-01	2.15E-05	2.02E-02	3.54E-01	5.02E-02	9.78E-01	1.01E+00	6.20E+00
5037	497363.09	3863377.25	0.48195	0.59434	0.70827	0.40482	0.71342	0.37078	0.57094	0.59434	4.94E+00	2.67E-01	1.80E-05	2.10E-02	3.29E-01	5.13E-02	9.86E-01	9.85E-01	5.61E+00
5038	497863.09	3863377.25	0.40388	0.61777	0.55123	0.36345	0.90571	0.36908	0.6466	0.61777	4.14E+00	2.78E-01	1.40E-05	1.88E-02	4.17E-01	5.10E-02	1.12E+00	1.02E+00	5.00E+00
5039	498363.09	3863377.25	0.32421	0.78867	0.4067	0.3085	0.94797	0.34589	0.79682	0.78867	3.32E+00	3.55E-01	1.03E-05	1.60E-02	4.37E-01	4.78E-02	1.38E+00	1.31E+00	4.25E+00
5040	471363.09	3863877.25	0.23705	0.09631	0.14366	0.28439	0.71568	0.19111	0.09043	0.09631	2.43E+00	4.33E-02	3.64E-06	1.47E-02	3.30E-01	2.64E-02	1.56E-01	1.60E-01	2.84E+00
5041	471863.09	3863877.25	0.24548	0.0972	0.18196	0.25971	0.70985	0.18647	0.09232	0.0972	2.52E+00	4.37E-02	4.62E-06	1.34E-02	3.27E-01	2.58E-02	1.59E-01	1.61E-01	2.93E+00
5042	472363.09	3863877.25	0.24962	0.09813	0.23151	0.22625	0.65429	0.18475	0.09419	0.09813	2.56E+00	4.42E-02	5.87E-06	1.17E-02	3.02E-01	2.55E-02	1.63E-01	1.63E-01	2.94E+00
5043	472863.09	3863877.25	0.2517	0.09943	0.26045	0.19234	0.66469	0.18465	0.09638	0.09943	2.58E+00	4.47E-02	6.61E-06	9.96E-03	3.06E-01	2.55E-02	1.66E-01	1.65E-01	2.97E+00
5044	473363.09	3863877.25	0.24927	0.10105	0.25932	0.1642	0.64799	0.18645	0.09878	0.10105	2.56E+00	4.55E-02	6.58E-06	8.50E-03	2.99E-01	2.58E-02	1.71E-01	1.67E-01	2.94E+00
5045	473863.09	3863877.25	0.24485	0.10206	0.24972	0.16904	0.57701	0.18848	0.10064	0.10206	2.51E+00	4.59E-02	6.33E-06	8.75E-03	2.66E-01	2.61E-02	1.74E-01	1.69E-01	2.86E+00
5046	474363.09	3863877.25	0.23459	0.10329	0.25549	0.17703	0.46133	0.19246	0.1026	0.10329	2.41E+00	4.65E-02	6.48E-06	9.16E-03	2.13E-01	2.66E-02	1.77E-01	1.71E-01	2.71E+00
5047	474863.09	3863877.25	0.2196	0.10485	0.2397	0.17451	0.48132	0.19901	0.10468	0.10485	2.25E+00	4.72E-02	6.08E-06	9.03E-03	2.22E-01	2.75E-02	1.81E-01	1.74E-01	2.56E+00
5048	475363.09	3863877.25	0.20705	0.10523	0.22983	0.17445	0.64916	0.20567	0.10546	0.10523	2.12E+00	4.74E-02	5.83E-06	9.03E-03	2.99E-01	2.84E-02	1.82E-01	1.74E-01	2.51E+00
5049	475863.09	3863877.25	0.20699	0.10604	0.26428	0.19272	0.75541	0.21355	0.10638	0.10604	2.12E+00	4.77E-02	6.70E-06	9.98E-03	3.48E-01	2.95E-02	1.84E-01	1.76E-01	2.57E+00
5050	476363.09	3863877.25	0.21686	0.10559	0.31455	0.21471	0.76434	0.21865	0.10605	0.10559	2.22E+00	4.75E-02	7.98E-06	1.11E-02	3.52E-01	3.02E-02	1.83E-01	1.75E-01	2.67E+00
5051	476863.09	3863877.25	0.21597	0.105	0.29753	0.20883	0.65139	0.22005	0.10536	0.105	2.21E+00	4.73E-02	7.55E-06	1.08E-02	3.00E-01	3.04E-02	1.82E-01	1.74E-01	2.61E+00
5052	477363.09	3863877.25	0.20709	0.10336	0.21616	0.21628	0.75644	0.21574	0.10358	0.10336	2.12E+00	4.65E-02	5.48E-06	1.12E-02	3.49E-01	2.98E-02	1.79E-01	1.71E-01	2.57E+00
5053	477863.09	3863877.25	0.19434	0.10088	0.25901	0.2212	0.90308	0.22409	0.10105	0.10088	1.99E+00	4.54E-02	6.57E-06	1.15E-02	4.16E-01	3.10E-02	1.74E-01	1.67E-01	2.50E+00
5054	478363.09	3863877.25	0.20692	0.0979	0.30459	0.20451	1.01084	0.22684	0.09831	0.0979	2.12E+00	4.41E-02	7.73E-06	1.06E-02	4.66E-01	3.14E-02	1.70E-01	1.62E-01	2.68E+00
5055	478863.09	3863877.25	0.21083	0.09736	0.35772	0.18784	0.80736	0.25479	0.09757	0.09736	2.16E+00	4.38E-02	9.07E-06	9.72E-03	3.72E-01	3.52E-02	1.68E-01	1.61E-01	2.63E+00
5056	479363.09	3863877.25	0.21348	0.09873	0.3238	0.18762	0.894	0.25522	0.09919	0.09873	2.19E+00	4.44E-02	8.21E-06	9.71E-03	4.12E-01	3.53E-02	1.71E-01	1.64E-01	2.70E+00
5057	479863.09	3863877.25	0.21607	0.10718	0.2586	0.24623	1.02847	0.23039	0.10699	0.10718	2.22E+00	4.82E-02	6.56E-06	1.27E-02	4.74E-01	3.19E-02	1.85E-01	1.78E-01	2.79E+00
5058	480363.09	3863877.25	0.21997	0.11274	0.27222	0.27417	1.02567	0.21211	0.1125	0.11274	2.26E+00	5.07E-02	6.91E-06	1.42E-02	4.73E-01	2.93E-02	1.94E-01	1.87E-01	2.83E+00
5059	480863.09	3863877.25	0.22219	0.11863	0.35425	0.25714	1.18564	0.20234	0.11691	0.11863	2.28E+00	5.34E-02	8.99E-06	1.33E-02	5.46E-01	2.80E-02	2.02E-01	1.97E-01	2.92E+00
5060	481363.09	3863877.25	0.21761	0.15468	0.4246	0.22585	1.0733	0.1965	0.12373	0.15468	2.23E+00	6.96E-02	1.08E-05	1.17E-02	4.95E-01	2.72E-02	2.14E-01	2.56E-01	2.79E+00
5061	481863.09	3863877.25	0.26899	0.15712	0.33111	0.28095	0.74502	0.19757	0.12511	0.15712	2.76E+00	7.07E-02	8.40E-06	1.45E-02	3.43E-01	2.73E-02	2.16E-01	2.60E-01	3.17E+00
5062	482363.09	3863877.25	0.35495	0.12775	0.37074	0.28971	0.62694	0.20583	0.12779	0.12775	3.64E+00	5.75E-02	9.40E-06	1.50E-02	2.89E-01	2.85E-02	2.21E-01	2.12E-01	4.04E+00
5063	482863.09	3863877.25	0.39226	0.13098	0.34108	0.25544	0.88222	0.21218	0.13106	0.13098	4.02E+00	5.89E-02	8.65E-06	1.32E-02	4.07E-01	2.93E-02	2.26E-01	2.17E-01	4.54E+00
5064	483363.09	3863877.25	0.38301	0.13393	0.39563	0.31807	0.9424	0.21124	0.13402	0.13393	3.93E+00	6.03E-02	1.00E-05	1.65E-02	4.34E-01	2.92E-02	2.31E-01	2.22E-01	4.48E+00
5065	483863.09	3863877.25	0.33902	0.13634	0.37863	0.36684	0.8177	0.19962	0.13645	0.13634	3.48E+00	6.14E-02	9.61E-06	1.90E-02	3.77E-01	2.76E-02	2.36E-01	2.26E-01	3.97E+00
5066	484363.09	3863877.25	0.29527	0.14022	0.33712	0.29027	0.8091	0.19208	0.14032	0.14022	3.03E+00	6.31E-02	8.55E-06	1.50E-02	3.73E-01	2.66E-02	2.42E-01	2.32E-01	3.52E+00
5067	484863.09	3863877.25	0.27191	0.14393	0.42522	0.31416	0.9238	0.20519	0.14403	0.14393	2.79E+00	6.48E-02	1.08E-05	1.63E-02	4.26E-01	2.84E-02	2.49E-01	2.38E-01	3.33E+00
5068	485363.09	3863877.25	0.33202	0.14856	0.45805	0.31905	0.8406	0.26646	0.14868	0.14856	3.40E+00	6.69E-02	1.16E-05	1.65E-02	3.87E-01	3.68E-02	2.57E-01	2.46E-01	3.92E+00
5069	485863.09	3863877.25	0.36256	0.15387	0.29152	0.27598	0.92635	0.39192	0.15398	0.15387	3.72E+00	6.92E-02	7.40E-06	1.43E-02	4.27E-01	5.42E-02	2.66E-01	2.55E-01	4.29E+00

5070	486363.09	3863877.25	0.37164	0.16076	0.45222	0.27765	1.10509	0.36162	0.1609	0.16076
5071	486863.09	3863877.25	0.3605	0.16861	0.43434	0.33448	2.49144	0.42294	0.16876	0.16861
5072	487363.09	3863877.25	0.4261	0.17717	0.3743	0.41105	1.73784	0.41397	0.17735	0.17717
5073	487863.09	3863877.25	0.37619	0.18543	0.39076	0.4798	0.68276	0.40519	0.18562	0.18543
5074	488363.09	3863877.25	0.42709	0.19154	0.45114	0.54426	0.6142	0.34277	0.19171	0.19154
5075	488863.09	3863877.25	0.57964	0.19252	0.35256	1.38076	0.59716	0.38396	0.19264	0.19252
5076	489363.09	3863877.25	0.76556	0.19659	0.53869	1.2062	1.2815	0.34604	0.19787	0.19659
5077	489863.09	3863877.25	1.03474	0.2166	0.30599	0.5776	1.09983	0.38475	0.21784	0.2166
5078	490363.09	3863877.25	1.18208	0.26398	0.34733	0.40131	0.39263	0.36138	0.23301	0.26398
5079	490863.09	3863877.25	1.07672	0.31077	0.433	0.36295	0.6677	0.46946	0.2458	0.31077
5080	491363.09	3863877.25	0.78676	0.32063	0.23113	0.35091	1.68576	0.42633	0.26811	0.32063
5081	491863.09	3863877.25	0.72123	0.28081	0.32854	0.32469	2.40601	0.35578	0.2794	0.28081
5082	492363.09	3863877.25	0.53782	0.22538	0.5226	0.26113	1.94826	0.33157	0.26871	0.22538
5083	492863.09	3863877.25	0.42045	0.21064	0.37509	0.44831	1.45036	0.4467	0.31024	0.21064
5084	493363.09	3863877.25	0.41156	0.24964	0.43518	0.51696	1.42213	0.38091	0.22001	0.24964
5085	493863.09	3863877.25	0.38774	0.2655	0.49743	0.38235	0.79456	0.246	0.27194	0.2655
5086	494363.09	3863877.25	0.34721	0.28774	0.49586	0.39874	0.53209	0.35718	0.29063	0.28774
5087	494863.09	3863877.25	0.40377	0.25297	0.43828	0.43923	0.67625	0.2993	0.30706	0.25297
5088	495363.09	3863877.25	0.45133	0.26634	0.40757	0.41641	0.69188	0.34478	0.33305	0.26634
5089	495863.09	3863877.25	0.48713	0.27867	0.538	0.32926	0.54248	0.34215	0.31413	0.27867
5090	496363.09	3863877.25	0.50309	0.39956	0.63365	0.3006	0.45515	0.35753	0.37098	0.39956
5091	496863.09	3863877.25	0.52866	0.42393	0.75749	0.40722	0.58466	0.37072	0.44851	0.42393
5092	497363.09	3863877.25	0.53032	0.47232	0.8123	0.36817	0.71659	0.3515	0.41849	0.47232
5093	497863.09	3863877.25	0.50051	0.5119	0.75746	0.36363	0.67228	0.33881	0.48248	0.5119
5094	498363.09	3863877.25	0.43866	0.4992	0.61874	0.357	0.72925	0.3372	0.47788	0.4992
5095	471363.09	3864377.25	0.22763	0.09579	0.22629	0.17715	0.58545	0.17596	0.0934	0.09579
5096	471863.09	3864377.25	0.23051	0.09687	0.23951	0.15256	0.61104	0.17726	0.0952	0.09687
5097	472363.09	3864377.25	0.22996	0.09809	0.22705	0.15316	0.58665	0.18116	0.09699	0.09809
5098	472863.09	3864377.25	0.22551	0.09915	0.19371	0.16209	0.51495	0.18716	0.09851	0.09915
5099	473363.09	3864377.25	0.21443	0.10041	0.23061	0.16061	0.41869	0.19512	0.1001	0.10041
5100	473863.09	3864377.25	0.20051	0.10091	0.24359	0.15493	0.45476	0.20222	0.10095	0.10091
5101	474363.09	3864377.25	0.18527	0.10057	0.23238	0.16283	0.58276	0.20723	0.10088	0.10057
5102	474863.09	3864377.25	0.18375	0.10037	0.22842	0.17891	0.69257	0.21055	0.10078	0.10037
5103	475363.09	3864377.25	0.19823	0.0988	0.2516	0.18744	0.72607	0.20895	0.09923	0.0988
5104	475863.09	3864377.25	0.20556	0.09729	0.27766	0.18646	0.65206	0.20378	0.09767	0.09729
5105	476363.09	3864377.25	0.20519	0.09523	0.26621	0.17872	0.61278	0.19535	0.09557	0.09523
5106	476863.09	3864377.25	0.1965	0.09309	0.25505	0.17609	0.75806	0.18754	0.09342	0.09309
5107	477363.09	3864377.25	0.18344	0.09359	0.27978	0.15778	0.88373	0.20167	0.09385	0.09359
5108	477863.09	3864377.25	0.19172	0.09739	0.28099	0.14761	0.85351	0.2124	0.09758	0.09739
5109	478363.09	3864377.25	0.20081	0.1006	0.26383	0.16589	0.61574	0.21896	0.10081	0.1006
5110	478863.09	3864377.25	0.20904	0.10338	0.20918	0.22102	0.90178	0.21421	0.1036	0.10338
5111	479363.09	3864377.25	0.21263	0.10732	0.21504	0.25481	0.97351	0.19408	0.10751	0.10732
5112	479863.09	3864377.25	0.21547	0.11	0.25883	0.25091	0.95903	0.17971	0.11022	0.11
5113	480363.09	3864377.25	0.21675	0.11205	0.3278	0.21413	1.0908	0.18699	0.1123	0.11205
5114	480863.09	3864377.25	0.21186	0.1181	0.37359	0.23306	0.98019	0.17759	0.1157	0.1181
5115	481363.09	3864377.25	0.2203	0.15156	0.29544	0.26345	0.699	0.18344	0.11936	0.15156
5116	481863.09	3864377.25	0.27816	0.14783	0.3221	0.25189	0.5651	0.19184	0.12085	0.14783
5117	482363.09	3864377.25	0.3558	0.12368	0.3415	0.22869	0.7733	0.2011	0.12383	0.12368
5118	482863.09	3864377.25	0.38861	0.12728	0.29499	0.3231	0.80036	0.19738	0.12739	0.12728
5119	483363.09	3864377.25	0.37347	0.13137	0.38937	0.34687	0.84016	0.18026	0.13143	0.13137
5120	483863.09	3864377.25	0.32881	0.13572	0.33074	0.2618	0.7663	0.16924	0.13574	0.13572
5121	484363.09	3864377.25	0.28898	0.14013	0.3852	0.28347	0.87437	0.17851	0.14009	0.14013
5122	484863.09	3864377.25	0.2698	0.14329	0.40457	0.28985	0.69258	0.18455	0.14319	0.14329
5123	485363.09	3864377.25	0.28715	0.14525	0.30346	0.25412	0.87411	0.27709	0.14509	0.14525
5124	485863.09	3864377.25	0.34361	0.14492	0.25147	0.23942	0.83708	0.37891	0.14468	0.14492
5125	486363.09	3864377.25	0.36793	0.1473	0.45934	0.28348	1.29633	0.35554	0.14825	0.1473
5126	486863.09	3864377.25	0.36646	0.15686	0.35706	0.35905	2.47659	0.43136	0.15779	0.15686

3.81E+00	7.23E-02	1.15E-05	1.44E-02	5.09E-01	5.00E-02	2.78E-01	2.66E-01	4.47E+00
3.70E+00	7.59E-02	1.10E-05	1.73E-02	1.15E+00	5.85E-02	2.91E-01	2.79E-01	5.01E+00
4.37E+00	7.97E-02	9.50E-06	2.13E-02	8.01E-01	5.72E-02	3.06E-01	2.94E-01	5.34E+00
3.86E+00	8.35E-02	9.91E-06	2.48E-02	3.15E-01	5.60E-02	3.20E-01	3.07E-01	4.35E+00
4.38E+00	8.62E-02	1.14E-05	2.82E-02	2.83E-01	4.74E-02	3.31E-01	3.17E-01	4.84E+00
5.94E+00	8.66E-02	8.94E-06	7.15E-02	2.75E-01	5.31E-02	3.33E-01	3.19E-01	6.44E+00
7.85E+00	8.85E-02	1.37E-05	6.24E-02	5.91E-01	4.78E-02	3.42E-01	3.26E-01	8.66E+00
1.06E+01	9.75E-02	7.76E-06	2.99E-02	5.07E-01	5.32E-02	3.76E-01	3.59E-01	1.13E+01
1.21E+01	1.19E-01	8.81E-06	2.08E-02	1.81E-01	5.00E-02	4.02E-01	4.37E-01	1.25E+01
1.10E+01	1.40E-01	1.10E-05	1.88E-02	3.08E-01	6.49E-02	4.24E-01	5.15E-01	1.15E+01
8.07E+00	1.44E-01	5.86E-06	1.82E-02	7.77E-01	5.89E-02	4.63E-01	5.31E-01	9.00E+00
7.40E+00	1.26E-01	8.33E-06	1.68E-02	1.11E+00	4.92E-02	4.82E-01	4.65E-01	8.71E+00
5.51E+00	1.01E-01	1.33E-05	1.35E-02	8.98E-01	4.58E-02	4.64E-01	3.73E-01	6.66E+00
4.31E+00	9.48E-02	9.52E-06	2.32E-02	6.68E-01	6.18E-02	5.36E-01	3.49E-01	5.35E+00
4.22E+00	1.12E-01	1.10E-05	2.68E-02	6.55E-01	5.27E-02	3.80E-01	4.14E-01	5.03E+00
3.98E+00	1.19E-01	1.26E-05	1.98E-02	3.66E-01	3.40E-02	4.70E-01	4.40E-01	4.54E+00
3.56E+00	1.29E-01	1.26E-05	2.06E-02	2.45E-01	4.94E-02	5.02E-01	4.77E-01	4.03E+00
4.14E+00	1.14E-01	1.11E-05	2.27E-02	3.12E-01	4.14E-02	5.30E-01	4.19E-01	4.74E+00
4.63E+00	1.20E-01	1.03E-05	2.16E-02	3.19E-01	4.77E-02	5.75E-01	4.41E-01	5.27E+00
5.00E+00	1.25E-01	1.36E-05	1.70E-02	2.50E-01	4.73E-02	5.42E-01	4.62E-01	5.52E+00
5.16E+00	1.80E-01	1.61E-05	1.56E-02	2.10E-01	4.94E-02	6.41E-01	6.62E-01	5.59E+00
5.42E+00	1.91E-01	1.92E-05	2.11E-02	2.69E-01	5.13E-02	7.74E-01	7.02E-01	6.03E+00
5.44E+00	2.13E-01	2.06E-05	1.91E-02	3.30E-01	4.86E-02	7.23E-01	7.83E-01	5.99E+00
5.13E+00	2.30E-01	1.92E-05	1.88E-02	3.10E-01	4.68E-02	8.33E-01	8.48E-01	5.72E+00
4.50E+00	2.25E-01	1.57E-05	1.85E-02	3.36E-01	4.66E-02	8.25E-01	8.27E-01	5.12E+00
2.33E+00	4.31E-02	5.74E-06	9.17E-03	2.70E-01	2.43E-02	1.61E-01	1.59E-01	2.68E+00
2.36E+00	4.36E-02	6.08E-06	7.90E-03	2.82E-01	2.45E-02	1.64E-01	1.61E-01	2.73E+00
2.36E+00	4.41E-02	5.76E-06	7.93E-03	2.70E-01	2.50E-02	1.67E-01	1.63E-01	2.71E+00
2.31E+00	4.46E-02	4.91E-06	8.39E-03	2.37E-01	2.59E-02	1.70E-01	1.64E-01	2.63E+00
2.20E+00	4.52E-02	5.85E-06	8.31E-03	1.93E-01	2.70E-02	1.73E-01	1.66E-01	2.48E+00
2.06E+00	4.54E-02	6.18E-06	8.02E-03	2.10E-01	2.80E-02	1.74E-01	1.67E-01	2.35E+00
1.90E+00	4.53E-02	5.89E-06	8.43E-03	2.69E-01	2.87E-02	1.74E-01	1.67E-01	2.26E+00
1.88E+00	4.52E-02	5.79E-06	9.26E-03	3.19E-01	2.91E-02	1.74E-01	1.66E-01	2.29E+00
2.03E+00	4.45E-02	6.38E-06	9.70E-03	3.35E-01	2.89E-02	1.71E-01	1.64E-01	2.46E+00
2.11E+00	4.38E-02	7.04E-06	9.65E-03	3.00E-01	2.82E-02	1.69E-01	1.61E-01	2.50E+00
2.10E+00	4.29E-02	6.75E-06	9.25E-03	2.82E-01	2.70E-02	1.65E-01	1.58E-01	2.47E+00
2.01E+00	4.19E-02	6.47E-06	9.12E-03	3.49E-01	2.59E-02	1.61E-01	1.54E-01	2.45E+00
1.88E+00	4.21E-02	7.10E-06	8.17E-03	4.07E-01	2.79E-02	1.62E-01	1.55E-01	2.37E+00
1.97E+00	4.38E-02	7.13E-06	7.64E-03	3.93E-01	2.94E-02	1.68E-01	1.61E-01	2.45E+00
2.06E+00	4.53E-02	6.69E-06	8.59E-03	2.84E-01	3.03E-02	1.74E-01	1.67E-01	2.43E+00
2.14E+00	4.65E-02	5.31E-06	1.14E-02	4.16E-01	2.96E-02	1.79E-01	1.71E-01	2.65E+00
2.18E+00	4.83E-02	5.46E-06	1.32E-02	4.49E-01	2.68E-02	1.86E-01	1.78E-01	2.73E+00
2.21E+00	4.95E-02	6.57E-06	1.30E-02	4.42E-01	2.48E-02	1.90E-01	1.82E-01	2.75E+00
2.22E+00	5.04E-02	8.32E-06	1.11E-02	5.03E-01	2.59E-02	1.94E-01	1.86E-01	2.82E+00
2.17E+00	5.32E-02	9.48E-06	1.21E-02	4.52E-01	2.46E-02	2.00E-01	1.96E-01	2.72E+00
2.26E+00	6.82E-02	7.49E-06	1.36E-02	3.22E-01	2.54E-02	2.06E-01	2.51E-01	2.64E+00
2.85E+00	6.65E-02	8.17E-06	1.30E-02	2.60E-01	2.65E-02	2.09E-01	2.45E-01	3.18E+00
3.65E+00	5.57E-02	8.66E-06	1.18E-02	3.56E-01	2.78E-02	2.14E-01	2.05E-01	4.11E+00
3.98E+00	5.73E-02	7.48E-06	1.67E-02	3.69E-01	2.73E-02	2.20E-01	2.11E-01	4.46E+00
3.83E+00	5.91E-02	9.88E-06	1.80E-02	3.87E-01	2.49E-02	2.27E-01	2.18E-01	4.33E+00
3.37E+00	6.11E-02	8.39E-06	1.36E-02	3.53E-01	2.34E-02	2.34E-01	2.25E-01	3.83E+00
2.96E+00	6.31E-02	9.77E-06	1.47E-02	4.03E-01	2.47E-02	2.42E-01	2.32E-01	3.48E+00
2.77E+00	6.45E-02	1.03E-05	1.50E-02	3.19E-01	2.55E-02	2.47E-01	2.37E-01	3.20E+00
2.94E+00	6.54E-02	7.70E-06	1.32E-02	4.03E-01	3.83E-02	2.50E-01	2.41E-01	3.47E+00
3.52E+00	6.52E-02	6.38E-06	1.24E-02	3.86E-01	5.24E-02	2.50E-01	2.40E-01	4.05E+00
3.77E+00	6.63E-02	1.17E-05	1.47E-02	5.97E-01	4.92E-02	2.56E-01	2.44E-01	4.51E+00
3.76E+00	7.06E-02	9.06E-06	1.86E-02	1.14E+00	5.96E-02	2.72E-01	2.60E-01	5.06E+00

5127	487363.09	3864377.25	0.42578	0.16711	0.38359	0.34695	1.49711	0.39219	0.168	0.16711
5128	487863.09	3864377.25	0.35695	0.17484	0.27728	0.39645	0.63152	0.37303	0.17564	0.17484
5129	488363.09	3864377.25	0.31259	0.17413	0.32568	0.50742	0.57433	0.30381	0.17479	0.17413
5130	488863.09	3864377.25	0.46854	0.19274	0.40738	1.43846	0.42979	0.3609	0.19356	0.19274
5131	489363.09	3864377.25	0.62115	0.20923	0.4643	0.74171	1.03607	0.33044	0.20983	0.20923
5132	489863.09	3864377.25	0.83224	0.22008	0.26987	0.56796	1.19522	0.34133	0.22126	0.22008
5133	490363.09	3864377.25	1.05454	0.21351	0.24509	0.38143	0.463	0.36506	0.21452	0.21351
5134	490863.09	3864377.25	1.10657	0.25595	0.37514	0.34438	0.42861	0.34706	0.19115	0.25595
5135	491363.09	3864377.25	0.99128	0.25655	0.2638	0.35377	1.08327	0.52778	0.18305	0.25655
5136	491863.09	3864377.25	0.8836	0.13984	0.15188	0.24393	1.47544	0.14508	0.17267	0.13984
5137	492363.09	3864377.25	0.75159	0.16952	0.35383	0.42803	3.07331	0.28125	0.20765	0.16952
5138	492863.09	3864377.25	0.4786	0.12679	0.18058	0.31155	0.85868	0.20636	0.19952	0.12679
5139	493363.09	3864377.25	0.40091	0.19679	0.3386	0.44046	1.86768	0.26565	0.19944	0.19679
5140	493863.09	3864377.25	0.39486	0.23021	0.40807	0.42779	1.43482	0.29812	0.18954	0.23021
5141	494363.09	3864377.25	0.37611	0.24282	0.46644	0.33402	0.65835	0.33027	0.21335	0.24282
5142	494863.09	3864377.25	0.3187	0.23877	0.46499	0.36395	0.47904	0.21582	0.25412	0.23877
5143	495363.09	3864377.25	0.35339	0.21672	0.42	0.37183	0.61819	0.23542	0.29048	0.21672
5144	495863.09	3864377.25	0.39905	0.23156	0.39705	0.36994	0.63144	0.29886	0.29918	0.23156
5145	496363.09	3864377.25	0.42853	0.27275	0.38477	0.30871	0.53228	0.28813	0.31083	0.27275
5146	496863.09	3864377.25	0.4475	0.29081	0.55059	0.26926	0.42766	0.29784	0.27947	0.29081
5147	497363.09	3864377.25	0.48397	0.38849	0.60983	0.33606	0.45639	0.32431	0.39022	0.38849
5148	497863.09	3864377.25	0.52034	0.37607	0.79401	0.3716	0.64421	0.33192	0.41399	0.37607
5149	498363.09	3864377.25	0.49987	0.41338	0.7544	0.30414	0.6662	0.30615	0.37192	0.41338
5150	471363.09	3864877.25	0.20735	0.09409	0.1983	0.14637	0.5299	0.18191	0.09371	0.09409
5151	471863.09	3864877.25	0.20347	0.09459	0.18136	0.15143	0.46033	0.18843	0.09443	0.09459
5152	472363.09	3864877.25	0.19498	0.09475	0.18122	0.14917	0.38724	0.19509	0.09472	0.09475
5153	472863.09	3864877.25	0.18232	0.09433	0.21808	0.14428	0.4384	0.19986	0.09443	0.09433
5154	473363.09	3864877.25	0.16572	0.09377	0.23203	0.15481	0.52481	0.20175	0.09401	0.09377
5155	473863.09	3864877.25	0.16381	0.09259	0.22418	0.1667	0.63709	0.19937	0.09294	0.09259
5156	474363.09	3864877.25	0.17708	0.09073	0.22285	0.17062	0.68589	0.19343	0.09114	0.09073
5157	474863.09	3864877.25	0.18948	0.08892	0.23884	0.167	0.64405	0.18539	0.08932	0.08892
5158	475363.09	3864877.25	0.19598	0.08724	0.25618	0.16212	0.52241	0.17644	0.08758	0.08724
5159	475863.09	3864877.25	0.19413	0.09006	0.239	0.15669	0.63893	0.16771	0.0903	0.09006
5160	476363.09	3864877.25	0.18539	0.09239	0.24332	0.13904	0.76001	0.1609	0.09267	0.09239
5161	476863.09	3864877.25	0.17917	0.09307	0.24281	0.1364	0.87327	0.18841	0.09354	0.09307
5162	477363.09	3864877.25	0.18695	0.09612	0.24736	0.15473	0.74732	0.19024	0.09648	0.09612
5163	477863.09	3864877.25	0.19531	0.09845	0.20688	0.19738	0.62752	0.1837	0.09882	0.09845
5164	478363.09	3864877.25	0.20373	0.10082	0.17765	0.2348	0.90039	0.17265	0.10118	0.10082
5165	478863.09	3864877.25	0.20892	0.10326	0.21295	0.24111	0.91449	0.16859	0.1036	0.10326
5166	479363.09	3864877.25	0.20991	0.10579	0.23567	0.21465	0.89291	0.1773	0.10609	0.10579
5167	479863.09	3864877.25	0.20908	0.10829	0.29277	0.18827	0.99767	0.17772	0.10854	0.10829
5168	480363.09	3864877.25	0.20706	0.11089	0.33766	0.23027	0.9044	0.16921	0.1111	0.11089
5169	480863.09	3864877.25	0.20858	0.11883	0.26728	0.25473	0.6585	0.17519	0.11326	0.11883
5170	481363.09	3864877.25	0.21439	0.14869	0.25815	0.21759	0.50576	0.18313	0.11571	0.14869
5171	481863.09	3864877.25	0.28517	0.13826	0.31706	0.24098	0.65674	0.19028	0.1161	0.13826
5172	482363.09	3864877.25	0.35648	0.11717	0.31778	0.32291	0.74916	0.18425	0.11751	0.11717
5173	482863.09	3864877.25	0.38427	0.11968	0.28822	0.3264	0.81823	0.16416	0.12015	0.11968
5174	483363.09	3864877.25	0.3652	0.12108	0.37927	0.23823	0.68022	0.16058	0.12154	0.12108
5175	483863.09	3864877.25	0.32036	0.12491	0.3462	0.25644	0.68257	0.16439	0.1257	0.12491
5176	484363.09	3864877.25	0.28326	0.13063	0.36183	0.26557	0.80326	0.16924	0.13139	0.13063
5177	484863.09	3864877.25	0.26958	0.13626	0.25037	0.23632	0.60158	0.18748	0.13697	0.13626
5178	485363.09	3864877.25	0.29279	0.14059	0.23174	0.21781	0.83215	0.29033	0.14123	0.14059
5179	485863.09	3864877.25	0.34799	0.14003	0.23824	0.24661	0.70521	0.3693	0.14057	0.14003
5180	486363.09	3864877.25	0.36411	0.13918	0.45098	0.30809	1.4732	0.35161	0.1397	0.13918
5181	486863.09	3864877.25	0.3733	0.14834	0.30745	0.33185	2.41029	0.43197	0.14894	0.14834
5182	487363.09	3864877.25	0.42099	0.1595	0.32771	0.32567	1.27703	0.37663	0.16022	0.1595
5183	487863.09	3864877.25	0.33625	0.16972	0.33169	0.4059	0.58439	0.33094	0.16984	0.16972

4.37E+00	7.52E-02	9.73E-06	1.80E-02	6.90E-01	5.42E-02	2.90E-01	2.77E-01	5.22E+00
3.66E+00	7.87E-02	7.03E-06	2.05E-02	2.91E-01	5.16E-02	3.03E-01	2.90E-01	4.12E+00
3.21E+00	7.84E-02	8.26E-06	2.63E-02	2.65E-01	4.20E-02	3.02E-01	2.89E-01	3.63E+00
4.80E+00	8.67E-02	1.03E-05	7.45E-02	1.98E-01	4.99E-02	3.34E-01	3.19E-01	5.23E+00
6.37E+00	9.42E-02	1.18E-05	3.84E-02	4.77E-01	4.57E-02	3.62E-01	3.47E-01	7.04E+00
8.53E+00	9.90E-02	6.85E-06	2.94E-02	5.51E-01	4.72E-02	3.82E-01	3.65E-01	9.28E+00
1.08E+01	9.61E-02	6.22E-06	1.97E-02	2.13E-01	5.05E-02	3.70E-01	3.54E-01	1.12E+01
1.13E+01	1.15E-01	9.52E-06	1.78E-02	1.98E-01	4.80E-02	3.30E-01	4.24E-01	1.16E+01
1.02E+01	1.15E-01	6.69E-06	1.83E-02	4.99E-01	7.30E-02	3.16E-01	4.25E-01	1.08E+01
9.06E+00	6.29E-02	3.85E-06	1.26E-02	6.80E-01	2.01E-02	2.98E-01	2.32E-01	9.90E+00
7.71E+00	7.63E-02	8.98E-06	2.22E-02	1.42E+00	3.89E-02	3.59E-01	2.81E-01	9.34E+00
4.91E+00	5.71E-02	4.58E-06	1.61E-02	3.96E-01	2.85E-02	3.44E-01	2.10E-01	5.54E+00
4.11E+00	8.86E-02	8.59E-06	2.28E-02	8.61E-01	3.67E-02	3.44E-01	3.26E-01	5.14E+00
4.05E+00	1.04E-01	1.04E-05	2.21E-02	6.61E-01	4.12E-02	3.27E-01	3.81E-01	4.82E+00
3.86E+00	1.09E-01	1.18E-05	1.73E-02	3.03E-01	4.57E-02	3.68E-01	4.02E-01	4.30E+00
3.27E+00	1.07E-01	1.18E-05	1.88E-02	2.21E-01	2.98E-02	4.39E-01	3.96E-01	3.69E+00
3.62E+00	9.75E-02	1.07E-05	1.92E-02	2.85E-01	3.25E-02	5.02E-01	3.59E-01	4.20E+00
4.09E+00	1.04E-01	1.01E-05	1.92E-02	2.91E-01	4.13E-02	5.17E-01	3.84E-01	4.68E+00
4.39E+00	1.23E-01	9.76E-06	1.60E-02	2.45E-01	3.98E-02	5.37E-01	4.52E-01	4.90E+00
4.59E+00	1.31E-01	1.40E-05	1.39E-02	1.97E-01	4.12E-02	4.83E-01	4.82E-01	4.97E+00
4.96E+00	1.75E-01	1.55E-05	1.74E-02	2.10E-01	4.48E-02	6.74E-01	6.44E-01	5.44E+00
5.34E+00	1.69E-01	2.01E-05	1.92E-02	2.97E-01	4.59E-02	7.15E-01	6.23E-01	5.96E+00
5.13E+00	1.86E-01	1.91E-05	1.57E-02	3.07E-01	4.23E-02	6.42E-01	6.85E-01	5.63E+00
2.13E+00	4.23E-02	5.03E-06	7.58E-03	2.44E-01	2.51E-02	1.62E-01	1.56E-01	2.45E+00
2.09E+00	4.26E-02	4.60E-06	7.84E-03	2.12E-01	2.61E-02	1.63E-01	1.57E-01	2.38E+00
2.00E+00	4.26E-02	4.60E-06	7.72E-03	1.78E-01	2.70E-02	1.64E-01	1.57E-01	2.26E+00
1.87E+00	4.25E-02	5.53E-06	7.47E-03	2.02E-01	2.76E-02	1.63E-01	1.56E-01	2.16E+00
1.70E+00	4.22E-02	5.89E-06	8.01E-03	2.42E-01	2.79E-02	1.62E-01	1.55E-01	2.03E+00
1.68E+00	4.17E-02	5.69E-06	8.63E-03	2.94E-01	2.76E-02	1.60E-01	1.53E-01	2.06E+00
1.82E+00	4.08E-02	5.65E-06	8.83E-03	3.16E-01	2.67E-02	1.57E-01	1.50E-01	2.22E+00
1.94E+00	4.00E-02	6.06E-06	8.65E-03	2.97E-01	2.56E-02	1.54E-01	1.47E-01	2.32E+00
2.01E+00	3.93E-02	6.50E-06	8.39E-03	2.41E-01	2.44E-02	1.51E-01	1.45E-01	2.33E+00
1.99E+00	4.05E-02	6.06E-06	8.11E-03	2.94E-01	2.32E-02	1.56E-01	1.49E-01	2.36E+00
1.90E+00	4.16E-02	6.17E-06	7.20E-03	3.50E-01	2.22E-02	1.60E-01	1.53E-01	2.33E+00
1.84E+00	4.19E-02	6.16E-06	7.06E-03	4.02E-01	2.60E-02	1.61E-01	1.54E-01	2.32E+00
1.92E+00	4.33E-02	6.27E-06	8.01E-03	3.44E-01	2.63E-02	1.67E-01	1.59E-01	2.35E+00
2.00E+00	4.43E-02	5.25E-06	1.02E-02	2.89E-01	2.54E-02	1.71E-01	1.63E-01	2.38E+00
2.09E+00	4.54E-02	4.51E-06	1.22E-02	4.15E-01	2.39E-02	1.75E-01	1.67E-01	2.59E+00
2.14E+00	4.65E-02	5.40E-06	1.25E-02	4.21E-01	2.33E-02	1.79E-01	1.71E-01	2.65E+00
2.15E+00	4.76E-02	5.98E-06	1.11E-02	4.11E-01	2.45E-02	1.83E-01	1.75E-01	2.66E+00
2.14E+00	4.87E-02	7.43E-06	9.75E-03	4.60E-01	2.46E-02	1.87E-01	1.79E-01	2.69E+00
2.12E+00	4.99E-02	8.57E-06	1.19E-02	4.17E-01	2.34E-02	1.92E-01	1.84E-01	2.63E+00
2.14E+00	5.35E-02	6.78E-06	1.32E-02	3.03E-01	2.42E-02	1.96E-01	1.97E-01	2.53E+00
2.20E+00	6.69E-02	6.55E-06	1.13E-02	2.33E-01	2.53E-02	2.00E-01	2.46E-01	2.49E+00
2.92E+00	6.22E-02	8.04E-06	1.25E-02	3.03E-01	2.63E-02	2.00E-01	2.29E-01	3.30E+00
3.66E+00	5.27E-02	8.06E-06	1.67E-02	3.45E-01	2.55E-02	2.03E-01	1.94E-01	4.10E+00
3.94E+00	5.39E-02	7.31E-06	1.69E-02	3.77E-01	2.27E-02	2.07E-01	1.98E-01	4.42E+00
3.74E+00	5.45E-02	9.62E-06	1.23E-02	3.13E-01	2.22E-02	2.10E-01	2.01E-01	4.16E+00
3.28E+00	5.62E-02	8.78E-06	1.33E-02	3.15E-01	2.27E-02	2.17E-01	2.07E-01	3.70E+00
2.90E+00	5.88E-02	9.18E-06	1.37E-02	3.70E-01	2.34E-02	2.27E-01	2.16E-01	3.38E+00
2.76E+00	6.13E-02	6.35E-06	1.22E-02	2.77E-01	2.59E-02	2.36E-01	2.26E-01	3.15E+00
3.00E+00	6.33E-02	5.88E-06	1.13E-02	3.83E-01	4.01E-02	2.44E-01	2.33E-01	3.51E+00
3.57E+00	6.30E-02	6.04E-06	1.28E-02	3.25E-01	5.11E-02	2.43E-01	2.32E-01	4.03E+00
3.73E+00	6.26E-02	1.14E-05	1.59E-02	6.79E-01	4.86E-02	2.41E-01	2.31E-01	4.55E+00
3.83E+00	6.68E-02	7.80E-06	1.72E-02	1.11E+00	5.97E-02	2.57E-01	2.46E-01	5.09E+00
4.32E+00	7.18E-02	8.31E-06	1.69E-02	5.89E-01	5.21E-02	2.77E-01	2.64E-01	5.06E+00
3.45E+00	7.64E-02	8.41E-06	2.10E-02	2.69E-01	4.58E-02	2.93E-01	2.81E-01	3.87E+00

5184	488363.09	3864877.25	0.28038	0.17325	0.21464	0.57021	0.53747	0.27435	0.17318	0.17325	2.88E+00	7.80E-02	5.44E-06	2.95E-02	2.48E-01	3.79E-02	2.99E-01	2.87E-01	3.28E+00
5185	488863.09	3864877.25	0.36111	0.161	0.43943	1.45064	0.3041	0.3279	0.16137	0.161	3.70E+00	7.25E-02	1.11E-05	7.51E-02	1.40E-01	4.53E-02	2.79E-01	2.67E-01	4.05E+00
5186	489363.09	3864877.25	0.50764	0.13586	0.39982	0.59614	0.83469	0.31586	0.13627	0.13586	5.21E+00	6.11E-02	1.01E-05	3.09E-02	3.85E-01	4.37E-02	2.35E-01	2.25E-01	5.74E+00
5187	489863.09	3864877.25	0.67233	0.144	0.23953	0.55716	1.18558	0.25799	0.13969	0.144	6.89E+00	6.48E-02	6.08E-06	2.88E-02	5.46E-01	3.57E-02	2.41E-01	2.39E-01	7.57E+00
5188	490363.09	3864877.25	0.88856	0.16516	0.17763	0.38902	0.64924	0.32775	0.14781	0.16516	9.11E+00	7.43E-02	4.51E-06	2.01E-02	2.99E-01	4.53E-02	2.55E-01	2.74E-01	9.53E+00
5189	490863.09	3864877.25	1.18481	0.2035	0.3274	0.35626	0.35528	0.59308	0.11075	0.2035	1.21E+01	9.16E-02	8.31E-06	1.84E-02	1.64E-01	8.20E-02	1.91E-01	3.37E-01	1.24E+01
5190	491363.09	3864877.25	1.07687	0.22153	0.33145	0.33695	0.61169	0.44086	0.15808	0.22153	1.10E+01	9.97E-02	8.41E-06	1.74E-02	2.82E-01	6.09E-02	2.73E-01	3.67E-01	1.14E+01
5191	491863.09	3864877.25	0.90076	0.29774	0.18477	0.33169	1.4529	0.50188	0.16688	0.29774	9.24E+00	1.34E-01	4.69E-06	1.72E-02	6.70E-01	6.94E-02	2.88E-01	4.93E-01	9.92E+00
5192	492363.09	3864877.25	0.47534	0.08726	0.13631	0.13717	0.73166	0.12982	0.09311	0.08726	4.87E+00	3.93E-02	3.46E-06	7.10E-03	3.37E-01	1.79E-02	1.61E-01	1.45E-01	5.29E+00
5193	492863.09	3864877.25	0.55483	0.10385	0.15128	0.18563	1.13067	0.13161	0.14342	0.10385	5.69E+00	4.67E-02	3.84E-06	9.61E-03	5.21E-01	1.82E-02	2.48E-01	1.72E-01	6.36E+00
5194	493363.09	3864877.25	0.3264	0.11075	0.16968	0.19062	0.65663	0.15502	0.11121	0.11075	3.35E+00	4.98E-02	4.30E-06	9.87E-03	3.03E-01	2.14E-02	1.92E-01	1.84E-01	3.74E+00
5195	493863.09	3864877.25	0.37039	0.18188	0.31694	0.43973	1.80525	0.25922	0.18569	0.18188	3.80E+00	8.19E-02	8.04E-06	2.28E-02	8.32E-01	3.58E-02	3.21E-01	3.01E-01	4.79E+00
5196	494363.09	3864877.25	0.36657	0.21291	0.38298	0.39486	1.14898	0.29106	0.18064	0.21291	3.76E+00	9.58E-02	9.72E-06	2.04E-02	5.29E-01	4.02E-02	3.12E-01	3.53E-01	4.40E+00
5197	494863.09	3864877.25	0.35923	0.22553	0.42982	0.30129	0.54686	0.21642	0.1915	0.22553	3.68E+00	1.01E-01	1.09E-05	1.56E-02	2.52E-01	2.99E-02	3.31E-01	3.74E-01	4.04E+00
5198	495363.09	3864877.25	0.31264	0.22821	0.44096	0.32822	0.43324	0.2103	0.23593	0.22821	3.21E+00	1.03E-01	1.12E-05	1.70E-02	2.00E-01	2.91E-02	4.07E-01	3.78E-01	3.58E+00
5199	495863.09	3864877.25	0.30256	0.2052	0.39258	0.30881	0.56356	0.19636	0.25273	0.2052	3.10E+00	9.23E-02	9.96E-06	1.60E-02	2.60E-01	2.71E-02	4.36E-01	3.40E-01	3.59E+00
5200	496363.09	3864877.25	0.3571	0.20902	0.37947	0.36577	0.574	0.25733	0.27625	0.20902	3.66E+00	9.41E-02	9.63E-06	1.89E-02	2.65E-01	3.56E-02	4.77E-01	3.46E-01	4.21E+00
5201	496863.09	3864877.25	0.39069	0.23037	0.30269	0.30504	0.5203	0.27693	0.27062	0.23037	4.01E+00	1.04E-01	7.68E-06	1.58E-02	2.40E-01	3.83E-02	4.67E-01	3.82E-01	4.49E+00
5202	497363.09	3864877.25	0.40236	0.22579	0.44382	0.26244	0.39189	0.25236	0.26317	0.22579	4.13E+00	1.02E-01	1.13E-05	1.36E-02	1.81E-01	3.49E-02	4.54E-01	3.74E-01	4.54E+00
5203	497863.09	3864877.25	0.4414	0.33421	0.53159	0.25813	0.35903	0.27272	0.31449	0.33421	4.53E+00	1.50E-01	1.35E-05	1.34E-02	1.65E-01	3.77E-02	5.43E-01	5.54E-01	4.88E+00
5204	498363.09	3864877.25	0.47142	0.35494	0.62756	0.33277	0.5293	0.29246	0.37434	0.35494	4.83E+00	1.60E-01	1.59E-05	1.72E-02	2.44E-01	4.04E-02	6.46E-01	5.88E-01	5.35E+00
5205	471363.09	3865377.25	0.17391	0.08818	0.16309	0.1268	0.35793	0.19066	0.08831	0.08818	1.78E+00	3.97E-02	4.14E-06	6.56E-03	1.65E-01	2.64E-02	1.52E-01	1.46E-01	2.03E+00
5206	471863.09	3865377.25	0.16366	0.08709	0.17127	0.13725	0.41606	0.1913	0.08721	0.08709	1.68E+00	3.92E-02	4.34E-06	7.10E-03	1.92E-01	2.64E-02	1.51E-01	1.44E-01	1.95E+00
5207	472363.09	3865377.25	0.15249	0.08566	0.20713	0.14613	0.47812	0.18899	0.08581	0.08566	1.56E+00	3.86E-02	5.25E-06	7.56E-03	2.20E-01	2.61E-02	1.48E-01	1.42E-01	1.86E+00
5208	472863.09	3865377.25	0.16135	0.08363	0.22036	0.15647	0.59543	0.18335	0.0839	0.08363	1.65E+00	3.76E-02	5.59E-06	8.10E-03	2.74E-01	2.53E-02	1.45E-01	1.39E-01	2.01E+00
5209	473363.09	3865377.25	0.1634	0.08263	0.21701	0.15485	0.64831	0.17647	0.08295	0.08263	1.68E+00	3.72E-02	5.51E-06	8.02E-03	2.99E-01	2.44E-02	1.43E-01	1.37E-01	2.05E+00
5210	473863.09	3865377.25	0.17038	0.08294	0.21464	0.14991	0.62925	0.1682	0.08329	0.08294	1.75E+00	3.73E-02	5.44E-06	7.76E-03	2.90E-01	2.33E-02	1.44E-01	1.37E-01	2.11E+00
5211	474363.09	3865377.25	0.18158	0.0849	0.22598	0.14719	0.53608	0.16018	0.08527	0.0849	1.86E+00	3.82E-02	5.73E-06	7.62E-03	2.47E-01	2.21E-02	1.47E-01	1.41E-01	2.18E+00
5212	474863.09	3865377.25	0.18774	0.08656	0.2385	0.14032	0.5321	0.15291	0.08696	0.08656	1.93E+00	3.90E-02	6.05E-06	7.26E-03	2.45E-01	2.11E-02	1.50E-01	1.43E-01	2.24E+00
5213	475363.09	3865377.25	0.18507	0.0886	0.21797	0.12526	0.64014	0.1454	0.08901	0.0886	1.90E+00	3.99E-02	5.53E-06	6.48E-03	2.95E-01	2.01E-02	1.54E-01	1.47E-01	2.27E+00
5214	475863.09	3865377.25	0.17685	0.09029	0.20123	0.12126	0.79359	0.14563	0.09069	0.09029	1.81E+00	4.06E-02	5.10E-06	6.28E-03	3.66E-01	2.01E-02	1.57E-01	1.50E-01	2.25E+00
5215	476363.09	3865377.25	0.17782	0.08424	0.24234	0.15059	0.85372	0.18446	0.08527	0.08424	1.82E+00	3.79E-02	6.15E-06	7.80E-03	3.93E-01	2.55E-02	1.47E-01	1.40E-01	2.30E+00
5216	476863.09	3865377.25	0.19415	0.08896	0.21456	0.1892	0.70196	0.20126	0.08998	0.08896	1.99E+00	4.00E-02	5.44E-06	9.79E-03	3.23E-01	2.78E-02	1.55E-01	1.47E-01	2.40E+00
5217	477363.09	3865377.25	0.19456	0.09025	0.16469	0.22114	0.70868	0.18183	0.09095	0.09025	2.00E+00	4.06E-02	4.18E-06	1.14E-02	3.27E-01	2.51E-02	1.57E-01	1.50E-01	2.41E+00
5218	477863.09	3865377.25	0.19915	0.09723	0.1681	0.23135	0.90199	0.15874	0.09754	0.09723	2.04E+00	4.38E-02	4.26E-06	1.20E-02	4.16E-01	2.19E-02	1.68E-01	1.61E-01	2.54E+00
5219	478363.09	3865377.25	0.20505	0.09874	0.21662	0.21583	0.8604	0.16333	0.09899	0.09874	2.10E+00	4.44E-02	5.50E-06	1.12E-02	3.97E-01	2.26E-02	1.71E-01	1.64E-01	2.58E+00
5220	478863.09	3865377.25	0.20516	0.09917	0.21442	0.18007	0.83583	0.17463	0.09932	0.09917	2.10E+00	4.46E-02	5.44E-06	9.32E-03	3.85E-01	2.41E-02	1.71E-01	1.64E-01	2.57E+00
5221	479363.09	3865377.25	0.20292	0.09893	0.26808	0.19414	0.92243	0.16867	0.09969	0.09893	2.08E+00	4.45E-02	6.80E-06	1.00E-02	4.25E-01	2.33E-02	1.72E-01	1.64E-01	2.59E+00
5222	479863.09	3865377.25	0.20124	0.10064	0.30168	0.24099	0.83442	0.16141	0.10125	0.10064	2.06E+00	4.53E-02	7.65E-06	1.25E-02	3.85E-01	2.23E-02	1.75E-01	1.67E-01	2.54E+00
5223	480363.09	3865377.25	0.19784	0.10284	0.24158	0.23326	0.62038	0.16745	0.10353	0.10284	2.03E+00	4.63E-02	6.13E-06	1.21E-02	2.86E-01	2.32E-02	1.79E-01	1.70E-01	2.40E+00
5224	480863.09	3865377.25	0.20274	0.11907	0.24478	0.18798	0.44891	0.17471	0.10606	0.11907	2.08E+00	5.36E-02	6.21E-06	9.73E-03	2.07E-01	2.42E-02	1.83E-01	1.97E-01	2.36E+00
5225	481363.09	3865377.25	0.20287	0.14473	0.23221	0.25304	0.54853	0.17988	0.11167	0.14473	2.08E+00	6.51E-02	5.89E-06	1.31E-02	2.53E-01	2.49E-02	1.93E-01	2.40E-01	2.39E+00
5226	481863.09	3865377.25	0.29237	0.13056	0.31126	0.31899	0.70458	0.17209	0.11224	0.13056	3.00E+00	5.88E-02	7.90E-06	1.65E-02	3.25E-01	2.38E-02	1.94E-01	2.16E-01	3.40E+00
5227	482363.09	3865377.25	0.35746	0.11471	0.30019	0.30291	0.7427	0.16743	0.11536	0.11471	3.67E+00	5.16E-02	7.62E-06	1.57E-02	3.42E-01	2.31E-02	1.99E-01	1.90E-01	4.11E+00
5228	482863.09	3865377.25	0.37922	0.11663	0.29243	0.21723	0.65928	0.1581	0.11721	0.11663	3.89E+00	5.25E-02	7.42E-06	1.12E-02	3.04E-01	2.19E-02	2.02E-01	1.93E-01	4.29E+00
5229	483363.09	3865377.25	0.35639	0.11614	0.36279	0.23393	0.65422	0.15637	0.11663	0.11614	3.65E+00	5.23E-02	9.20E-06	1.21E-02	3.01E-01	2.16E-02	2.01E-01	1.92E-01	4.05E+00
5230	483863.09	3865377.25	0.31329	0.11541	0.32303	0.24417	0.74702	0.16099	0.11587	0.11541	3.21E+00	5.19E-02	8.19E-06	1.26E-02	3.44E-01	2.23E-02	2.00E-01	1.91E-01	3.65E+00
5231	484363.09	3865377.25	0.27891	0.11969	0.23103	0.2205	0.636	0.16615	0.12012	0.11969	2.86E+00	5.39E-02	5.86E-06	1.14E-02	2.93E-01	2.30E-02	2.07E-01	1.98E-01	3.25E+00
5232	484863.09	3865377.25	0.2704	0.12547	0.2526	0.19765	0.68569	0.19312	0.12589	0.12547	2.77E+00	5.65E-02	6.41E-06	1.02E-02	3.16E-01	2.67E-02	2.17E-01	2.08E-01	3.19E+00
5233	485363.09	3865377.25	0.29811	0.13157	0.15967	0.21674	0.73493	0.2992	0.13195	0.13157	3.06E+00	5.92E-02	4.05E-06	1.12E-02	3.39E-01	4.14E-02	2.28E-01	2.18E-01	3.52E+00
5234	485863.09	3865377.25	0.35107	0.13587	0.30189	0.26529	0.55538	0.35956	0.13623	0.13587	3.60E+00	6.11E-02	7.66E-06	1.37E-02	2.56E-01	4.97E-02	2.35E-01	2.25E-01	3.99E+00
5235	486363.09	3865377.25	0.36223	0.13578	0.4362	0.30961	1.63656	0.35339	0.1361	0.13578	3.71E+00	6.11E-02	1.11E-05	1.60E-02	7.54E-01	4.89E-02	2.35E-01	2.25E-01	4.60E+00
5236	486863.09	3865377.25	0.38073	0.12898	0.29859	0.28225	2.31078	0.42748	0.12881	0.12898	3.90E+00	5.80E-02	7.57E-06	1.46E-02	1.06E+00	5.91E-02	2.22E-01	2.14E-01	5.11E+00
5237	487363.09	3865377.25	0.41475	0.11594	0.20421	0.32593	1.09126	0.36989	0.11528	0.11594	4.25E+00	5.22E-02	5.18E-06	1.69E-02	5.03E-01	5.11E-02	1.99E-01	1.92E-01	4.88E+00
5238	487863.09	3865377.25	0.31658	0.11934	0.31652	0.39219	0.54393	0.29166	0.11977	0.11934	3.25E+00	5.37E-02	8.03E-06	2.03E-02	2.51E-01	4.03E-02	2.07E-01	1.98E-01	3.62E+00
5239	488363.09	3865377.25	0.25224	0.12326	0.1737	0.67846	0.50275	0.24626	0.12372	0.12326	2.59E+00	5.55E-02	4.41E-06	3.51E-02	2.32E-01	3.40E-02	2.14E-01	2.04E-01	2.95E+00
5240	488863.09	3865377.25	0.29882	0.12526	0.45451	1.35265	0.30869	0.29511	0.12576	0.12526	3.06E+00	5.64E-02	1.15E-05	7.00E-02	1.42E-01	4.08E-02	2.17E-01	2.08E-01	3.38E+00

5241	489363.09	3865377.25	0.40676	0.12765	0.34854	0.50375	0.6777	0.30559	0.12806	0.12765
5242	489863.09	3865377.25	0.55908	0.13358	0.27059	0.53361	1.11664	0.26642	0.13272	0.13358
5243	490363.09	3865377.25	0.80538	0.14981	0.20714	0.43537	0.86563	0.35411	0.12325	0.14981
5244	490863.09	3865377.25	1.04541	0.22307	0.21737	0.32798	0.31422	0.58283	0.10921	0.22307
5245	491363.09	3865377.25	1.15301	0.18778	0.36962	0.21954	0.41345	0.47449	0.10689	0.18778
5246	491863.09	3865377.25	1.02779	0.22855	0.22999	0.27681	0.87103	0.4847	0.11657	0.22855
5247	492363.09	3865377.25	0.76969	0.26828	0.15068	0.31381	1.75094	0.27878	0.21921	0.26828
5248	492863.09	3865377.25	0.7835	0.14262	0.16608	0.21433	2.14603	0.14322	0.17057	0.14262
5249	493363.09	3865377.25	0.46035	0.09677	0.14708	0.17831	0.69281	0.12731	0.12865	0.09677
5250	493863.09	3865377.25	0.34964	0.12299	0.17119	0.31964	1.03826	0.193	0.18244	0.12299
5251	494363.09	3865377.25	0.34333	0.1671	0.2959	0.42683	1.65583	0.25105	0.17163	0.1671
5252	494863.09	3865377.25	0.34315	0.19361	0.35962	0.34482	0.973	0.25513	0.1634	0.19361
5253	495363.09	3865377.25	0.34417	0.2062	0.39475	0.27351	0.50008	0.21941	0.17624	0.2062
5254	495863.09	3865377.25	0.30404	0.2182	0.41852	0.29197	0.39325	0.19421	0.21539	0.2182
5255	496363.09	3865377.25	0.26866	0.19698	0.3877	0.32241	0.52199	0.17716	0.25235	0.19698
5256	496863.09	3865377.25	0.32439	0.18891	0.37979	0.37656	0.52341	0.20706	0.24071	0.18891
5257	497363.09	3865377.25	0.35688	0.20421	0.31268	0.27859	0.50134	0.26119	0.24702	0.20421
5258	497863.09	3865377.25	0.37541	0.21142	0.33401	0.25337	0.35763	0.24719	0.24634	0.21142
5259	498363.09	3865377.25	0.39377	0.30207	0.49547	0.21226	0.35194	0.24447	0.24143	0.30207
5260	471363.09	3865877.25	0.14402	0.07836	0.16439	0.1375	0.43416	0.17334	0.07849	0.07836
5261	471863.09	3865877.25	0.15258	0.07712	0.19654	0.14174	0.54304	0.16757	0.07724	0.07712
5262	472363.09	3865877.25	0.16257	0.07557	0.21035	0.14978	0.62207	0.16027	0.07592	0.07557
5263	472863.09	3865877.25	0.16242	0.07954	0.20916	0.13486	0.61429	0.15347	0.07999	0.07954
5264	473363.09	3865877.25	0.16433	0.08127	0.20676	0.13397	0.54324	0.14625	0.08169	0.08127
5265	473863.09	3865877.25	0.17497	0.0826	0.21608	0.12601	0.43527	0.1397	0.08302	0.0826
5266	474363.09	3865877.25	0.1796	0.08385	0.22054	0.1146	0.55332	0.13727	0.08425	0.08385
5267	474863.09	3865877.25	0.17854	0.08492	0.20539	0.1144	0.69265	0.13331	0.08529	0.08492
5268	475363.09	3865877.25	0.17016	0.08571	0.1752	0.13833	0.79725	0.13181	0.08603	0.08571
5269	475863.09	3865877.25	0.17068	0.08612	0.19138	0.16136	0.72942	0.14154	0.08641	0.08612
5270	476363.09	3865877.25	0.18696	0.08281	0.18925	0.20911	0.57049	0.17334	0.08274	0.08281
5271	476863.09	3865877.25	0.20029	0.08868	0.15033	0.2351	0.81034	0.14954	0.08968	0.08868
5272	477363.09	3865877.25	0.19984	0.08983	0.18425	0.22048	0.95938	0.15727	0.08974	0.08983
5273	477863.09	3865877.25	0.20043	0.09371	0.21704	0.18738	0.80652	0.16486	0.09379	0.09371
5274	478363.09	3865877.25	0.20114	0.09643	0.19702	0.16091	0.78829	0.17385	0.09657	0.09643
5275	478863.09	3865877.25	0.19824	0.09849	0.25163	0.20706	0.86073	0.16227	0.0987	0.09849
5276	479363.09	3865877.25	0.19562	0.09975	0.27326	0.23855	0.77457	0.15492	0.10005	0.09975
5277	479863.09	3865877.25	0.19273	0.10066	0.22223	0.20578	0.58725	0.1607	0.10105	0.10066
5278	480363.09	3865877.25	0.19356	0.10123	0.22177	0.17685	0.39797	0.16705	0.10169	0.10123
5279	480863.09	3865877.25	0.19348	0.12056	0.18693	0.26332	0.46051	0.16971	0.10458	0.12056
5280	481363.09	3865877.25	0.1912	0.14084	0.19704	0.31307	0.64415	0.16154	0.10806	0.14084
5281	481863.09	3865877.25	0.2992	0.1239	0.30404	0.28054	0.63971	0.16306	0.10435	0.1239
5282	482363.09	3865877.25	0.35851	0.10616	0.28772	0.20043	0.68408	0.16212	0.10657	0.10616
5283	482863.09	3865877.25	0.37472	0.10886	0.2969	0.21422	0.60177	0.15376	0.10924	0.10886
5284	483363.09	3865877.25	0.34888	0.11184	0.34542	0.22598	0.5875	0.15345	0.11218	0.11184
5285	483863.09	3865877.25	0.30771	0.11434	0.23121	0.20676	0.70853	0.15899	0.11463	0.11434
5286	484363.09	3865877.25	0.27675	0.11447	0.16853	0.18021	0.4404	0.1657	0.11467	0.11447
5287	484863.09	3865877.25	0.27162	0.10991	0.22885	0.18674	0.71303	0.19998	0.11042	0.10991
5288	485363.09	3865877.25	0.30336	0.10286	0.24641	0.23135	0.69561	0.30474	0.10325	0.10286
5289	485863.09	3865877.25	0.35307	0.10824	0.25378	0.27942	0.57211	0.35063	0.09313	0.10824
5290	486363.09	3865877.25	0.36044	0.11051	0.41145	0.27041	1.76632	0.3544	0.09653	0.11051
5291	486863.09	3865877.25	0.38708	0.09888	0.2749	0.27691	2.18048	0.41712	0.10097	0.09888
5292	487363.09	3865877.25	0.40569	0.10191	0.21572	0.33391	0.93029	0.36302	0.10382	0.10191
5293	487863.09	3865877.25	0.29852	0.10968	0.25644	0.33961	0.50989	0.25905	0.11004	0.10968
5294	488363.09	3865877.25	0.22918	0.11783	0.1806	0.78374	0.46959	0.21816	0.11825	0.11783
5295	488863.09	3865877.25	0.27655	0.12738	0.45672	1.16744	0.31679	0.2674	0.12785	0.12738
5296	489363.09	3865877.25	0.31572	0.13671	0.30874	0.46122	0.53836	0.2985	0.13714	0.13671
5297	489863.09	3865877.25	0.45655	0.1311	0.3015	0.44716	0.98271	0.28949	0.13108	0.1311

4.17E+00	5.74E-02	8.84E-06	2.61E-02	3.12E-01	4.22E-02	2.21E-01	2.12E-01	4.62E+00
5.73E+00	6.01E-02	6.86E-06	2.76E-02	5.15E-01	3.68E-02	2.29E-01	2.21E-01	6.38E+00
8.26E+00	6.74E-02	5.25E-06	2.25E-02	3.99E-01	4.90E-02	2.13E-01	2.48E-01	8.76E+00
1.07E+01	1.00E-01	5.51E-06	1.70E-02	1.45E-01	8.06E-02	1.89E-01	3.70E-01	1.09E+01
1.18E+01	8.45E-02	9.38E-06	1.14E-02	1.91E-01	6.56E-02	1.85E-01	3.11E-01	1.20E+01
1.05E+01	1.03E-01	5.83E-06	1.43E-02	4.01E-01	6.70E-02	2.01E-01	3.79E-01	1.09E+01
7.89E+00	1.21E-01	3.82E-06	1.62E-02	8.07E-01	3.85E-02	3.78E-01	4.45E-01	8.81E+00
8.03E+00	6.42E-02	4.21E-06	1.11E-02	9.89E-01	1.98E-02	2.94E-01	2.36E-01	9.18E+00
4.72E+00	4.36E-02	3.73E-06	9.23E-03	3.19E-01	1.76E-02	2.22E-01	1.60E-01	5.17E+00
3.59E+00	5.54E-02	4.34E-06	1.65E-02	4.78E-01	2.67E-02	3.15E-01	2.04E-01	4.27E+00
3.52E+00	7.52E-02	7.51E-06	2.21E-02	7.63E-01	3.47E-02	2.96E-01	2.77E-01	4.44E+00
3.52E+00	8.71E-02	9.12E-06	1.79E-02	4.48E-01	3.53E-02	2.82E-01	3.21E-01	4.07E+00
3.53E+00	9.28E-02	1.00E-05	1.42E-02	2.30E-01	3.03E-02	3.04E-01	3.42E-01	3.86E+00
3.12E+00	9.82E-02	1.06E-05	1.51E-02	1.81E-01	2.68E-02	3.72E-01	3.62E-01	3.45E+00
2.75E+00	8.86E-02	9.84E-06	1.67E-02	2.41E-01	2.45E-02	4.36E-01	3.26E-01	3.23E+00
3.33E+00	8.50E-02	9.63E-06	1.95E-02	2.41E-01	2.86E-02	4.16E-01	3.13E-01	3.80E+00
3.66E+00	9.19E-02	7.93E-06	1.44E-02	2.31E-01	3.61E-02	4.26E-01	3.38E-01	4.12E+00
3.85E+00	9.51E-02	8.47E-06	1.31E-02	1.65E-01	3.42E-02	4.25E-01	3.50E-01	4.23E+00
4.04E+00	1.36E-01	1.26E-05	1.10E-02	1.62E-01	3.38E-02	4.17E-01	5.01E-01	4.30E+00
1.48E+00	3.53E-02	4.17E-06	7.12E-03	2.00E-01	2.40E-02	1.36E-01	1.30E-01	1.75E+00
1.56E+00	3.47E-02	4.99E-06	7.34E-03	2.50E-01	2.32E-02	1.33E-01	1.28E-01	1.89E+00
1.67E+00	3.40E-02	5.34E-06	7.75E-03	2.87E-01	2.22E-02	1.31E-01	1.25E-01	2.02E+00
1.67E+00	3.58E-02	5.31E-06	6.98E-03	2.83E-01	2.12E-02	1.38E-01	1.32E-01	2.02E+00
1.69E+00	3.66E-02	5.25E-06	6.94E-03	2.50E-01	2.02E-02	1.41E-01	1.35E-01	2.01E+00
1.79E+00	3.72E-02	5.48E-06	6.52E-03	2.01E-01	1.93E-02	1.43E-01	1.37E-01	2.06E+00
1.84E+00	3.77E-02	5.59E-06	5.93E-03	2.55E-01	1.90E-02	1.45E-01	1.39E-01	2.17E+00
1.83E+00	3.82E-02	5.21E-06	5.92E-03	3.19E-01	1.84E-02	1.47E-01	1.41E-01	2.22E+00
1.74E+00	3.86E-02	4.44E-06	7.16E-03	3.67E-01	1.82E-02	1.49E-01	1.42E-01	2.18E+00
1.75E+00	3.88E-02	4.85E-06	8.35E-03	3.36E-01	1.96E-02	1.49E-01	1.43E-01	2.16E+00
1.92E+00	3.73E-02	4.80E-06	1.08E-02	2.63E-01	2.40E-02	1.43E-01	1.37E-01	2.26E+00
2.05E+00	3.99E-02	3.81E-06	1.22E-02	3.73E-01	2.07E-02	1.55E-01	1.47E-01	2.51E+00
2.05E+00	4.04E-02	4.67E-06	1.14E-02	4.42E-01	2.17E-02	1.55E-01	1.49E-01	2.57E+00
2.06E+00	4.22E-02	5.51E-06	9.70E-03	3.72E-01	2.28E-02	1.62E-01	1.55E-01	2.51E+00
2.06E+00	4.34E-02	5.00E-06	8.33E-03	3.63E-01	2.40E-02	1.67E-01	1.60E-01	2.51E+00
2.03E+00	4.43E-02	6.38E-06	1.07E-02	3.97E-01	2.24E-02	1.70E-01	1.63E-01	2.51E+00
2.01E+00	4.49E-02	6.93E-06	1.23E-02	3.57E-01	2.14E-02	1.73E-01	1.65E-01	2.45E+00
1.98E+00	4.53E-02	5.64E-06	1.07E-02	2.71E-01	2.22E-02	1.74E-01	1.67E-01	2.33E+00
1.98E+00	4.56E-02	5.63E-06	9.15E-03	1.83E-01	2.31E-02	1.76E-01	1.68E-01	2.25E+00
1.98E+00	5.43E-02	4.74E-06	1.36E-02	2.12E-01	2.35E-02	1.81E-01	2.00E-01	2.27E+00
1.96E+00	6.34E-02	5.00E-06	1.62E-02	2.97E-01	2.23E-02	1.87E-01	2.33E-01	2.31E+00
3.07E+00	5.58E-02	7.71E-06	1.45E-02	2.95E-01	2.25E-02	1.80E-01	2.05E-01	3.43E+00
3.68E+00	4.78E-02	7.30E-06	1.04E-02	3.15E-01	2.24E-02	1.84E-01	1.76E-01	4.08E+00
3.84E+00	4.90E-02	7.53E-06	1.11E-02	2.77E-01	2.13E-02	1.89E-01	1.80E-01	4.21E+00
3.58E+00	5.03E-02	8.76E-06	1.17E-02	2.71E-01	2.12E-02	1.94E-01	1.85E-01	3.94E+00
3.16E+00	5.15E-02	5.87E-06	1.07E-02	3.27E-01	2.20E-02	1.98E-01	1.89E-01	3.57E+00
2.84E+00	5.15E-02	4.28E-06	9.33E-03	2.03E-01	2.29E-02	1.98E-01	1.90E-01	3.13E+00
2.79E+00	4.95E-02	5.81E-06	9.67E-03	3.29E-01	2.76E-02	1.91E-01	1.82E-01	3.21E+00
3.11E+00	4.63E-02	6.25E-06	1.20E-02	3.21E-01	4.21E-02	1.78E-01	1.70E-01	3.54E+00
3.62E+00	4.87E-02	6.44E-06	1.45E-02	2.64E-01	4.85E-02	1.61E-01	1.79E-01	3.98E+00
3.70E+00	4.97E-02	1.04E-05	1.40E-02	8.14E-01	4.90E-02	1.67E-01	1.83E-01	4.61E+00
3.97E+00	4.45E-02	6.97E-06	1.43E-02	1.00E+00	5.77E-02	1.74E-01	1.64E-01	5.10E+00
4.16E+00	4.59E-02	5.47E-06	1.73E-02	4.29E-01	5.02E-02	1.79E-01	1.69E-01	4.71E+00
3.06E+00	4.94E-02	6.51E-06	1.76E-02	2.35E-01	3.58E-02	1.90E-01	1.82E-01	3.41E+00
2.35E+00	5.30E-02	4.58E-06	4.06E-02	2.16E-01	3.02E-02	2.04E-01	1.95E-01	2.70E+00
2.84E+00	5.73E-02	1.16E-05	6.04E-02	1.46E-01	3.70E-02	2.21E-01	2.11E-01	3.15E+00
3.24E+00	6.15E-02	7.83E-06	2.39E-02	2.48E-01	4.13E-02	2.37E-01	2.27E-01	3.62E+00
4.68E+00	5.90E-02	7.65E-06	2.31E-02	4.53E-01	4.00E-02	2.26E-01	2.17E-01	5.27E+00

5298	490363.09	3865877.25	0.63337	0.12003	0.22327	0.44435	0.95019	0.24544	0.11173	0.12003	6.49E+00	5.40E-02	5.66E-06	2.30E-02	4.38E-01	3.39E-02	1.93E-01	1.99E-01	7.04E+00
5299	490863.09	3865877.25	0.86317	0.17742	0.13465	0.31609	0.38077	0.44358	0.10935	0.17742	8.85E+00	7.98E-02	3.42E-06	1.64E-02	1.75E-01	6.13E-02	1.89E-01	2.94E-01	9.08E+00
5300	491363.09	3865877.25	1.06349	0.20664	0.36164	0.18969	0.34305	0.5006	0.10082	0.20664	1.09E+01	9.30E-02	9.17E-06	9.82E-03	1.58E-01	6.92E-02	1.74E-01	3.42E-01	1.11E+01
5301	491863.09	3865877.25	1.0807	0.16862	0.22455	0.22173	0.61586	0.39766	0.10105	0.16862	1.11E+01	7.59E-02	5.70E-06	1.15E-02	2.84E-01	5.50E-02	1.74E-01	2.79E-01	1.14E+01
5302	492363.09	3865877.25	0.90474	0.2559	0.20047	0.26631	1.19171	0.39868	0.19028	0.2559	9.28E+00	1.15E-01	5.09E-06	1.38E-02	5.49E-01	5.51E-02	3.29E-01	4.24E-01	9.92E+00
5303	492863.09	3865877.25	0.80436	0.19814	0.12948	0.26739	1.91443	0.18089	0.17665	0.19814	8.25E+00	8.92E-02	3.28E-06	1.38E-02	8.82E-01	2.50E-02	3.05E-01	3.28E-01	9.23E+00
5304	493363.09	3865877.25	0.73126	0.14371	0.16903	0.21939	1.98792	0.1626	0.17384	0.14371	7.50E+00	6.47E-02	4.29E-06	1.14E-02	9.16E-01	2.25E-02	3.00E-01	2.38E-01	8.58E+00
5305	493863.09	3865877.25	0.53606	0.13813	0.20622	0.25354	0.87297	0.20582	0.20891	0.13813	5.50E+00	6.22E-02	5.23E-06	1.31E-02	4.02E-01	2.85E-02	3.61E-01	2.29E-01	6.13E+00
5306	494363.09	3865877.25	0.33618	0.13416	0.22085	0.35386	1.20279	0.21393	0.2266	0.13416	3.45E+00	6.04E-02	5.60E-06	1.83E-02	5.54E-01	2.96E-02	3.91E-01	2.22E-01	4.28E+00
5307	494863.09	3865877.25	0.31781	0.16262	0.27414	0.41607	1.07957	0.24556	0.1818	0.16262	3.26E+00	7.32E-02	6.95E-06	2.15E-02	4.98E-01	3.39E-02	3.14E-01	2.69E-01	3.93E+00
5308	495363.09	3865877.25	0.31758	0.17976	0.33576	0.32329	0.77671	0.24065	0.16467	0.17976	3.26E+00	8.09E-02	8.52E-06	1.67E-02	3.58E-01	3.33E-02	2.84E-01	2.98E-01	3.73E+00
5309	495863.09	3865877.25	0.32922	0.19135	0.36317	0.25357	0.4604	0.21985	0.16327	0.19135	3.38E+00	8.61E-02	9.21E-06	1.31E-02	2.12E-01	3.04E-02	2.82E-01	3.17E-01	3.68E+00
5310	496363.09	3865877.25	0.30274	0.19945	0.39198	0.27466	0.36848	0.18282	0.22065	0.19945	3.10E+00	8.98E-02	9.94E-06	1.42E-02	1.70E-01	2.53E-02	3.81E-01	3.30E-01	3.45E+00
5311	496863.09	3865877.25	0.25146	0.17909	0.35017	0.32499	0.58728	0.17893	0.24565	0.17909	2.58E+00	8.06E-02	8.88E-06	1.68E-02	2.71E-01	2.47E-02	4.24E-01	2.97E-01	3.10E+00
5312	497363.09	3865877.25	0.28751	0.17895	0.35437	0.36661	0.47437	0.18312	0.23785	0.17895	2.95E+00	8.05E-02	8.99E-06	1.90E-02	2.19E-01	2.53E-02	4.11E-01	2.97E-01	3.41E+00
5313	497863.09	3865877.25	0.32929	0.18331	0.33106	0.28077	0.48185	0.23465	0.22926	0.18331	3.38E+00	8.25E-02	8.40E-06	1.45E-02	2.22E-01	3.24E-02	3.96E-01	3.04E-01	3.82E+00
5314	498363.09	3865877.25	0.36133	0.19327	0.21955	0.29742	0.41344	0.25613	0.24101	0.19327	3.71E+00	8.70E-02	5.57E-06	1.54E-02	1.91E-01	3.54E-02	4.16E-01	3.20E-01	4.13E+00
5315	471363.09	3866377.25	0.15327	0.07388	0.18685	0.13107	0.57476	0.14623	0.07438	0.07388	1.57E+00	3.32E-02	4.74E-06	6.79E-03	2.65E-01	2.02E-02	1.28E-01	1.22E-01	1.90E+00
5316	471863.09	3866377.25	0.16143	0.07372	0.20395	0.12514	0.6007	0.14015	0.07429	0.07372	1.66E+00	3.32E-02	5.17E-06	6.48E-03	2.77E-01	1.94E-02	1.28E-01	1.22E-01	2.00E+00
5317	472363.09	3866377.25	0.16326	0.07469	0.20593	0.12277	0.55473	0.134	0.07518	0.07469	1.67E+00	3.36E-02	5.22E-06	6.36E-03	2.56E-01	1.85E-02	1.30E-01	1.24E-01	1.99E+00
5318	472863.09	3866377.25	0.15904	0.07604	0.20011	0.11378	0.44583	0.12998	0.07654	0.07604	1.63E+00	3.42E-02	5.08E-06	5.89E-03	2.05E-01	1.80E-02	1.32E-01	1.26E-01	1.90E+00
5319	473363.09	3866377.25	0.16891	0.07771	0.20681	0.10552	0.46924	0.13315	0.07827	0.07771	1.73E+00	3.50E-02	5.25E-06	5.46E-03	2.16E-01	1.84E-02	1.35E-01	1.29E-01	2.01E+00
5320	473863.09	3866377.25	0.1728	0.0793	0.20673	0.10862	0.56112	0.13073	0.0799	0.0793	1.77E+00	3.57E-02	5.24E-06	5.62E-03	2.59E-01	1.81E-02	1.38E-01	1.31E-01	2.10E+00
5321	474363.09	3866377.25	0.17077	0.08073	0.18805	0.13121	0.72903	0.12441	0.08136	0.08073	1.75E+00	3.63E-02	4.77E-06	6.79E-03	3.36E-01	1.72E-02	1.40E-01	1.34E-01	2.15E+00
5322	474863.09	3866377.25	0.16389	0.08253	0.17071	0.14708	0.7655	0.13025	0.0826	0.08253	1.68E+00	3.71E-02	4.33E-06	7.61E-03	3.53E-01	1.80E-02	1.43E-01	1.37E-01	2.10E+00
5323	475363.09	3866377.25	0.16695	0.08579	0.1706	0.18185	0.63017	0.14442	0.08588	0.08579	1.71E+00	3.86E-02	4.33E-06	9.41E-03	2.90E-01	2.00E-02	1.48E-01	1.42E-01	2.08E+00
5324	475863.09	3866377.25	0.17636	0.08889	0.14384	0.20492	0.47418	0.15058	0.08901	0.08889	1.81E+00	4.00E-02	3.65E-06	1.06E-02	2.19E-01	2.08E-02	1.54E-01	1.47E-01	2.10E+00
5325	476363.09	3866377.25	0.19028	0.09018	0.15456	0.21584	0.81124	0.14404	0.09023	0.09018	1.95E+00	4.06E-02	3.92E-06	1.12E-02	3.74E-01	1.99E-02	1.56E-01	1.49E-01	2.40E+00
5326	476863.09	3866377.25	0.20478	0.0882	0.16279	0.1946	0.99133	0.15047	0.08914	0.0882	2.10E+00	3.97E-02	4.13E-06	1.01E-02	4.57E-01	2.08E-02	1.54E-01	1.46E-01	2.63E+00
5327	477363.09	3866377.25	0.20371	0.09326	0.20589	0.16422	0.85116	0.16114	0.09345	0.09326	2.09E+00	4.20E-02	5.22E-06	8.50E-03	3.92E-01	2.23E-02	1.61E-01	1.55E-01	2.56E+00
5328	477863.09	3866377.25	0.19805	0.09567	0.18352	0.17372	0.75043	0.17325	0.09596	0.09567	2.03E+00	4.31E-02	4.66E-06	8.99E-03	3.46E-01	2.40E-02	1.66E-01	1.59E-01	2.46E+00
5329	478363.09	3866377.25	0.19383	0.0972	0.23633	0.22249	0.80555	0.15612	0.09759	0.0972	1.99E+00	4.37E-02	6.00E-06	1.15E-02	3.71E-01	2.16E-02	1.68E-01	1.61E-01	2.44E+00
5330	478863.09	3866377.25	0.1908	0.09798	0.2529	0.22626	0.72448	0.14974	0.09841	0.09798	1.96E+00	4.41E-02	6.42E-06	1.17E-02	3.34E-01	2.07E-02	1.70E-01	1.62E-01	2.37E+00
5331	479363.09	3866377.25	0.18839	0.09862	0.21124	0.17799	0.56063	0.15528	0.09909	0.09862	1.93E+00	4.44E-02	5.36E-06	9.21E-03	2.58E-01	2.15E-02	1.71E-01	1.63E-01	2.27E+00
5332	479863.09	3866377.25	0.18807	0.09936	0.19844	0.19203	0.38523	0.16094	0.09985	0.09936	1.93E+00	4.47E-02	5.03E-06	9.94E-03	1.78E-01	2.23E-02	1.72E-01	1.65E-01	2.19E+00
5333	480363.09	3866377.25	0.18782	0.10062	0.15149	0.27666	0.43788	0.16166	0.10114	0.10062	1.93E+00	4.53E-02	3.84E-06	1.43E-02	2.02E-01	2.23E-02	1.75E-01	1.67E-01	2.22E+00
5334	480863.09	3866377.25	0.18306	0.12329	0.16813	0.30891	0.57985	0.15361	0.10493	0.12329	1.88E+00	5.55E-02	4.27E-06	1.60E-02	2.67E-01	2.12E-02	1.81E-01	2.04E-01	2.21E+00
5335	481363.09	3866377.25	0.20622	0.1389	0.212	0.26353	0.59724	0.13913	0.1061	0.1389	2.11E+00	6.25E-02	5.38E-06	1.36E-02	2.75E-01	1.92E-02	1.83E-01	2.30E-01	2.44E+00
5336	481863.09	3866377.25	0.30648	0.11868	0.2977	0.18796	0.66542	0.16082	0.107	0.11868	3.14E+00	5.34E-02	7.55E-06	9.73E-03	3.07E-01	2.22E-02	1.85E-01	1.97E-01	3.52E+00
5337	482363.09	3866377.25	0.35993	0.10719	0.28014	0.19733	0.56759	0.15794	0.10776	0.10719	3.69E+00	4.82E-02	7.11E-06	1.02E-02	2.62E-01	2.18E-02	1.86E-01	1.78E-01	4.04E+00
5338	482863.09	3866377.25	0.37128	0.1057	0.30163	0.2102	0.56577	0.15105	0.10622	0.1057	3.81E+00	4.76E-02	7.65E-06	1.09E-02	2.61E-01	2.09E-02	1.83E-01	1.75E-01	4.16E+00
5339	483363.09	3866377.25	0.34265	0.10095	0.32804	0.1943	0.65126	0.15166	0.10139	0.10095	3.51E+00	4.54E-02	8.32E-06	1.01E-02	3.00E-01	2.10E-02	1.75E-01	1.67E-01	3.90E+00
5340	483863.09	3866377.25	0.30239	0.0926	0.20708	0.16409	0.58625	0.15698	0.09215	0.0926	3.10E+00	4.17E-02	5.25E-06	8.49E-03	2.70E-01	2.17E-02	1.59E-01	1.53E-01	3.45E+00
5341	484363.09	3866377.25	0.27353	0.0935	0.18628	0.1758	0.51111	0.16398	0.08837	0.0935	2.80E+00	4.21E-02	4.73E-06	9.10E-03	2.36E-01	2.27E-02	1.53E-01	1.55E-01	3.11E+00
5342	484863.09	3866377.25	0.27429	0.09505	0.18719	0.20434	0.68501	0.2094	0.08958	0.09505	2.81E+00	4.28E-02	4.75E-06	1.06E-02	3.16E-01	2.90E-02	1.55E-01	1.57E-01	3.21E+00
5343	485363.09	3866377.25	0.309	0.0931	0.2428	0.248	0.61808	0.30892	0.08993	0.0931	3.17E+00	4.19E-02	6.16E-06	1.28E-02	2.85E-01	4.27E-02	1.55E-01	1.54E-01	3.55E+00
5344	485863.09	3866377.25	0.35317	0.09946	0.27474	0.26213	0.70628	0.34031	0.09185	0.09946	3.62E+00	4.48E-02	6.97E-06	1.36E-02	3.25E-01	4.70E-02	1.59E-01	1.65E-01	4.05E+00
5345	486363.09	3866377.25	0.36004	0.10671	0.38343	0.24727	1.86526	0.35662	0.09549	0.10671	3.69E+00	4.80E-02	9.73E-06	1.28E-02	8.60E-01	4.93E-02	1.65E-01	1.77E-01	4.65E+00
5346	486863.09	3866377.25	0.39312	0.09829	0.21374	0.27915	2.04033	0.40731	0.10041	0.09829	4.03E+00	4.42E-02	5.42E-06	1.45E-02	9.40E-01	5.63E-02	1.73E-01	1.63E-01	5.10E+00
5347	487363.09	3866377.25	0.40748	0.10021	0.26186	0.33997	0.8334	0.38599	0.11004	0.10021	4.18E+00	4.51E-02	6.64E-06	1.76E-02	3.84E-01	5.34E-02	1.90E-01	1.66E-01	4.70E+00
5348	487863.09	3866377.25	0.29507	0.10583	0.20138	0.36126	0.49422	0.24991	0.11456	0.10583	3.03E+00	4.76E-02	5.11E-06	1.87E-02	2.28E-01	3.46E-02	1.98E-01	1.75E-01	3.38E+00
5349	488363.09	3866377.25	0.22204	0.11109	0.24383	0.94604	0.45278	0.19591	0.11138	0.11109	2.28E+00	5.00E-02	6.19E-06	4.90E-02	2.09E-01	2.71E-02	1.92E-01	1.84E-01	2.62E+00
5350	488863.09	3866377.25	0.2756	0.10345	0.50206	0.9747	0.33288	0.27522	0.1045	0.10345	2.83E+00	4.66E-02	1.27E-05	5.05E-02	1.53E-01	3.80E-02	1.80E-01	1.71E-01	3.12E+00
5351	489363.09	3866377.25	0.32426	0.09978	0.30637	0.50719	0.43409	0.35245	0.10064	0.09978	3.32E+00	4.49E-02	7.77E-06	2.63E-02	2.00E-01	4.87E-02	1.74E-01	1.65E-01	3.65E+00
5352	489863.09	3866377.25	0.38911	0.14457	0.33803	0.36029	0.86055	0.32396	0.09786	0.14457	3.99E+00	6.51E-02	8.58E-06	1.87E-02	3.97E-01	4.48E-02	1.69E-01	2.40E-01	4.44E+00
5353	490363.09	3866377.25	0.5165	0.10928	0.27054	0.44236	0.98596	0.28	0.10776	0.10928	5.30E+00	4.92E-02	6.86E-06	2.29E-02	4.54E-01	3.87E-02	1.86E-01	1.81E-01	5.87E+00
5354	490863.09	3866377.25	0.67919	0.11557	0.18325	0.27933	0.50848	0.28545	0.11233	0.11557	6.96E+00	5.20E-02	4.65E-06	1.45E-02	2.34E-01	3.95E-02	1.94E-01	1.91E-01	7.31E+00

5355	491363.09	3866377.25	0.88015	0.11364	0.32109	0.26066	0.27911	0.46268	0.11013	0.11364
5356	491863.09	3866377.25	1.04843	0.16599	0.22182	0.1822	0.45128	0.41736	0.114	0.16599
5357	492363.09	3866377.25	0.98409	0.16774	0.22037	0.23597	0.75461	0.36445	0.14417	0.16774
5358	492863.09	3866377.25	0.76336	0.24437	0.15718	0.27721	1.26058	0.29531	0.19916	0.24437
5359	493363.09	3866377.25	0.69567	0.2313	0.20171	0.31649	2.48445	0.26197	0.18259	0.2313
5360	493863.09	3866377.25	0.63109	0.15887	0.21002	0.34579	1.87559	0.25166	0.1767	0.15887
5361	494363.09	3866377.25	0.46578	0.13804	0.23656	0.34203	0.79194	0.20765	0.18844	0.13804
5362	494863.09	3866377.25	0.2915	0.13042	0.22939	0.34256	1.21033	0.20668	0.21969	0.13042
5363	495363.09	3866377.25	0.30038	0.13468	0.2566	0.36825	1.30209	0.23066	0.14108	0.13468
5364	495863.09	3866377.25	0.3014	0.17481	0.31754	0.25533	0.70205	0.20414	0.14467	0.17481
5365	496363.09	3866377.25	0.31768	0.16942	0.32446	0.22615	0.58521	0.19943	0.16122	0.16942
5366	496863.09	3866377.25	0.29747	0.1879	0.34365	0.26722	0.34519	0.1608	0.23169	0.1879
5367	497363.09	3866377.25	0.2492	0.17187	0.30684	0.32287	0.58511	0.18071	0.23752	0.17187
5368	497863.09	3866377.25	0.2569	0.16641	0.31886	0.36972	0.56091	0.18754	0.24892	0.16641
5369	498363.09	3866377.25	0.30742	0.16911	0.29696	0.31212	0.67508	0.15266	0.20723	0.16911
5370	474494.92	3848334.16	0.41622	4.34284	0.08956	0.37813	0.76204	0.22828	4.37344	4.34284
5371	475167.27	3848920.79	0.52408	4.46868	0.09752	0.43795	0.9379	0.27789	4.49351	4.46868
5372	475297.89	3848997.96	0.50043	3.47076	0.09551	0.44117	0.94293	0.27991	3.49219	3.47076
5373	475439.05	3849062	0.50137	3.13538	0.10389	0.45494	0.93565	0.27979	3.1673	3.13538
5374	475486.86	3849061.09	0.48491	2.58845	0.11949	0.45301	0.90856	0.27385	2.61499	2.58845
5375	475538.46	3849075.56	0.48808	2.52632	0.13499	0.44905	0.89315	0.27048	2.55061	2.52632
5376	475751.79	3849137.15	0.50556	2.97447	0.2213	0.40919	0.82182	0.25061	3.03823	2.97447
5377	476303.62	3849223.38	0.4775	3.9673	0.50858	0.25092	0.49406	0.20134	3.99743	3.9673
5378	476304.51	3849238.92	0.50515	5.00782	0.50307	0.26058	0.51402	0.2031	5.03043	5.00782
5379	476365.04	3849247.98	0.49941	5.20382	0.52541	0.24268	0.47841	0.20202	5.23957	5.20382
5380	476444.86	3849267.13	0.50417	6.1768	0.54133	0.2231	0.43676	0.20285	6.25002	6.1768
5381	476550.75	3849300.66	0.49724	7.2015	0.56308	0.20555	0.40278	0.20373	7.38869	7.2015
5382	476656.71	3849346.88	0.49051	7.48816	0.57341	0.19522	0.38197	0.20444	7.61921	7.48816
5383	476873.55	3849454.53	0.48931	6.46891	0.5831	0.18355	0.35924	0.20564	6.5392	6.46891
5384	477700	3849859.7	0.62528	5.52498	0.46549	0.20957	0.39141	0.20714	5.49015	5.52498
5385	477743.16	3849856.38	0.58565	4.44939	0.42743	0.21721	0.402	0.20661	4.4329	4.44939
5386	478477.35	3850216.33	0.67608	4.55221	0.33959	0.29936	0.47864	0.21494	4.46723	4.55221
5387	478485.8	3850201.6	0.62948	3.86053	0.32827	0.31828	0.48398	0.222	3.79876	3.86053
5388	479113.21	3850501.53	0.799	3.42071	0.22977	0.50876	0.55058	0.42127	3.34364	3.42071
5389	479108.11	3850382.28	0.87367	1.69483	0.19153	0.53892	0.5648	0.4695	1.69151	1.69483
5390	479689.85	3850674.28	1.09776	1.7651	0.14624	0.53363	0.74551	0.48574	1.74515	1.7651
5391	479952.42	3850774.28	0.97478	1.58102	0.14082	0.45722	0.81501	0.43909	1.56702	1.58102
5392	479911.32	3850884.85	0.97765	3.09744	0.15158	0.56598	0.66893	0.49864	3.02759	3.09744
5393	480500.92	3851178.12	1.12125	2.65084	0.16899	0.43241	0.78656	0.44692	2.68784	2.65084
5394	480738.01	3851289.27	1.18245	2.5759	0.26986	0.37835	0.80673	0.44277	2.60963	2.5759
5395	481055.42	3851443.58	1.30286	3.4734	0.7431	0.35455	0.80174	0.45268	3.57509	3.4734
5396	481110.22	3851443.15	1.19719	2.88796	0.85543	0.33681	0.77828	0.46608	2.98661	2.88796
5397	481111.1	3851417.45	1.1043	2.44455	0.87877	0.33462	0.75836	0.46752	2.54097	2.44455
5398	482248.44	3852605.09	1.24184	3.13049	0.78331	0.49361	1.08449	0.53341	3.00946	3.13049
5399	482273.34	3852632.31	1.26201	3.18555	0.77105	0.49765	1.09199	0.53582	3.03174	3.18555
5400	482665.46	3853038.72	1.83724	4.55516	1.47067	0.63144	1.1933	0.78467	3.12773	4.55516
5401	483077.95	3853844.31	1.87395	1.54465	3.41292	2.93936	1.52083	2.98579	1.85711	1.54465
5402	483121.38	3853909.38	1.88001	1.43889	3.30772	5.14886	1.67193	4.20306	1.97477	1.43889
5403	483492.64	3853911.49	1.56657	0.6814	1.47789	1.60944	1.30435	1.43536	0.79973	0.6814
5404	483498.29	3854204.73	1.90158	1.03147	1.64306	9.69535	2.01499	3.75962	1.56795	1.03147
5405	484132.44	3854662.55	2.04018	0.29188	1.74428	10.79573	2.35863	2.68343	2.48763	0.29188
5406	484627.62	3854876.13	1.99069	0.37971	2.04677	10.55484	1.72443	2.53618	2.95146	0.37971
5407	484756.14	3854949.04	2.04563	0.40581	1.7717	10.2911	2.01894	2.89078	2.85056	0.40581
5408	486697.51	3856599.17	2.23719	0.35754	1.55513	9.69884	11.8715	2.46133	1.69128	0.35754
5409	487105.31	3856962.27	2.2586	0.39366	3.60865	8.77551	35.0722	2.42274	1.4532	0.39366
5410	487157.57	3856901.7	2.08103	0.38421	2.66715	4.01186	29.6357	1.85822	1.28088	0.38421
5411	487173.5	3856853.74	1.99298	0.38055	2.01961	3.26652	19.5053	1.66973	1.20858	0.38055

9.03E+00	5.11E-02	8.15E-06	1.35E-02	1.29E-01	6.40E-02	1.90E-01	1.88E-01	9.28E+00
1.08E+01	7.47E-02	5.63E-06	9.43E-03	2.08E-01	5.77E-02	1.97E-01	2.75E-01	1.10E+01
1.01E+01	7.55E-02	5.59E-06	1.22E-02	3.48E-01	5.04E-02	2.49E-01	2.78E-01	1.05E+01
7.83E+00	1.10E-01	3.99E-06	1.44E-02	5.81E-01	4.08E-02	3.44E-01	4.05E-01	8.51E+00
7.13E+00	1.04E-01	5.12E-06	1.64E-02	1.14E+00	3.62E-02	3.15E-01	3.83E-01	8.37E+00
6.47E+00	7.15E-02	5.33E-06	1.79E-02	8.64E-01	3.48E-02	3.05E-01	2.63E-01	7.50E+00
4.78E+00	6.21E-02	6.00E-06	1.77E-02	3.65E-01	2.87E-02	3.25E-01	2.29E-01	5.35E+00
2.99E+00	5.87E-02	5.82E-06	1.77E-02	5.58E-01	2.86E-02	3.79E-01	2.16E-01	3.82E+00
3.08E+00	6.06E-02	6.51E-06	1.91E-02	6.00E-01	3.19E-02	2.44E-01	2.23E-01	3.81E+00
3.09E+00	7.87E-02	8.06E-06	1.32E-02	3.24E-01	2.82E-02	2.50E-01	2.90E-01	3.49E+00
3.26E+00	7.62E-02	8.23E-06	1.17E-02	2.70E-01	2.76E-02	2.78E-01	2.81E-01	3.64E+00
3.05E+00	8.46E-02	8.72E-06	1.38E-02	1.59E-01	2.22E-02	4.00E-01	3.11E-01	3.42E+00
2.56E+00	7.73E-02	7.78E-06	1.67E-02	2.70E-01	2.50E-02	4.10E-01	2.85E-01	3.07E+00
2.63E+00	7.49E-02	8.09E-06	1.91E-02	2.58E-01	2.59E-02	4.30E-01	2.76E-01	3.17E+00
3.15E+00	7.61E-02	7.53E-06	1.62E-02	3.11E-01	2.11E-02	3.58E-01	2.80E-01	3.65E+00
4.27E+00	1.95E+00	2.27E-06	1.96E-02	3.51E-01	3.16E-02	7.55E+00	7.20E+00	6.98E+00
5.37E+00	2.01E+00	2.47E-06	2.27E-02	4.32E-01	3.84E-02	7.76E+00	7.40E+00	8.23E+00
5.13E+00	1.56E+00	2.42E-06	2.28E-02	4.35E-01	3.87E-02	6.03E+00	5.75E+00	7.47E+00
5.14E+00	1.41E+00	2.64E-06	2.36E-02	4.31E-01	3.87E-02	5.47E+00	5.20E+00	7.32E+00
4.97E+00	1.16E+00	3.03E-06	2.35E-02	4.19E-01	3.79E-02	4.51E+00	4.29E+00	6.84E+00
5.00E+00	1.14E+00	3.42E-06	2.32E-02	4.12E-01	3.74E-02	4.40E+00	4.19E+00	6.83E+00
5.18E+00	1.34E+00	5.61E-06	2.12E-02	3.79E-01	3.46E-02	5.25E+00	4.93E+00	7.27E+00
4.90E+00	1.79E+00	1.29E-05	1.30E-02	2.28E-01	2.78E-02	6.90E+00	6.57E+00	7.28E+00
5.18E+00	2.25E+00	1.28E-05	1.35E-02	2.37E-01	2.81E-02	8.69E+00	8.30E+00	8.10E+00
5.12E+00	2.34E+00	1.33E-05	1.26E-02	2.20E-01	2.79E-02	9.05E+00	8.62E+00	8.15E+00
5.17E+00	2.78E+00	1.37E-05	1.15E-02	2.01E-01	2.80E-02	1.08E+01	1.02E+01	8.75E+00
5.10E+00	3.24E+00	1.43E-05	1.06E-02	1.86E-01	2.82E-02	1.28E+01	1.19E+01	9.39E+00
5.03E+00	3.37E+00	1.45E-05	1.01E-02	1.76E-01	2.83E-02	1.32E+01	1.24E+01	9.36E+00
5.02E+00	2.91E+00	1.48E-05	9.50E-03	1.66E-01	2.84E-02	1.13E+01	1.07E+01	8.70E+00
6.41E+00	2.49E+00	1.18E-05	1.08E-02	1.80E-01	2.86E-02	9.48E+00	9.15E+00	9.44E+00
6.01E+00	2.00E+00	1.08E-05	1.12E-02	1.85E-01	2.86E-02	7.65E+00	7.37E+00	8.51E+00
6.93E+00	2.05E+00	8.61E-06	1.55E-02	2.21E-01	2.97E-02	7.71E+00	7.54E+00	9.42E+00
6.45E+00	1.74E+00	8.33E-06	1.65E-02	2.23E-01	3.07E-02	6.56E+00	6.40E+00	8.62E+00
8.19E+00	1.54E+00	5.83E-06	2.63E-02	2.54E-01	5.82E-02	5.77E+00	5.67E+00	1.02E+01
8.96E+00	7.63E-01	4.86E-06	2.79E-02	2.60E-01	6.49E-02	2.92E+00	2.81E+00	1.02E+01
1.13E+01	7.94E-01	3.71E-06	2.76E-02	3.44E-01	6.72E-02	3.01E+00	2.92E+00	1.26E+01
1.00E+01	7.12E-01	3.57E-06	2.37E-02	3.76E-01	6.07E-02	2.71E+00	2.62E+00	1.13E+01
1.00E+01	1.39E+00	3.85E-06	2.93E-02	3.08E-01	6.89E-02	5.23E+00	5.13E+00	1.19E+01
1.15E+01	1.19E+00	4.29E-06	2.24E-02	3.62E-01	6.18E-02	4.64E+00	4.39E+00	1.34E+01
1.21E+01	1.16E+00	6.85E-06	1.96E-02	3.72E-01	6.12E-02	4.51E+00	4.27E+00	1.40E+01
1.34E+01	1.56E+00	1.89E-05	1.84E-02	3.69E-01	6.26E-02	6.17E+00	5.76E+00	1.58E+01
1.23E+01	1.30E+00	2.17E-05	1.74E-02	3.59E-01	6.44E-02	5.16E+00	4.79E+00	1.44E+01
1.13E+01	1.10E+00	2.23E-05	1.73E-02	3.49E-01	6.46E-02	4.39E+00	4.05E+00	1.32E+01
1.27E+01	1.41E+00	1.99E-05	2.56E-02	5.00E-01	7.37E-02	5.20E+00	5.19E+00	1.48E+01
1.29E+01	1.43E+00	1.96E-05	2.58E-02	5.03E-01	7.41E-02	5.23E+00	5.28E+00	1.49E+01
1.88E+01	2.05E+00	3.73E-05	3.27E-02	5.50E-01	1.08E-01	5.40E+00	7.55E+00	1.94E+01
1.92E+01	6.95E-01	8.66E-05	1.52E-01	7.01E-01	4.13E-01	3.21E+00	2.56E+00	2.18E+01
1.93E+01	6.48E-01	8.39E-05	2.67E-01	7.70E-01	5.81E-01	3.41E+00	2.38E+00	2.26E+01
1.61E+01	3.07E-01	3.75E-05	8.33E-02	6.01E-01	1.98E-01	1.38E+00	1.13E+00	1.75E+01
1.95E+01	4.64E-01	4.17E-05	5.02E-01	9.29E-01	5.20E-01	2.71E+00	1.71E+00	2.29E+01
2.09E+01	1.31E-01	4.42E-05	5.59E-01	1.09E+00	3.71E-01	4.29E+00	4.84E-01	2.69E+01
2.04E+01	1.71E-01	5.19E-05	5.46E-01	7.95E-01	3.51E-01	5.10E+00	6.29E-01	2.67E+01
2.10E+01	1.83E-01	4.49E-05	5.33E-01	9.30E-01	4.00E-01	4.92E+00	6.72E-01	2.73E+01
2.29E+01	1.61E-01	3.95E-05	5.02E-01	5.47E+00	3.40E-01	2.92E+00	5.92E-01	3.17E+01
2.32E+01	1.77E-01	9.15E-05	4.54E-01	1.62E+01	3.35E-01	2.51E+00	6.52E-01	4.21E+01
2.13E+01	1.73E-01	6.77E-05	2.08E-01	1.37E+01	2.57E-01	2.21E+00	6.37E-01	3.72E+01
2.04E+01	1.71E-01	5.12E-05	1.69E-01	8.99E+00	2.31E-01	2.09E+00	6.31E-01	3.15E+01

5412	487564.41	3856860.83	1.60983	0.38394	1.07385	1.49678	25.9056	1.14027	0.82147	0.38394
5413	487563.31	3856931.58	1.66328	0.38489	1.13428	1.73859	24.0555	1.21428	0.88067	0.38489
5414	487782.7	3856926.85	1.47229	0.3988	0.97246	1.22754	30.7934	1.36962	0.71973	0.3988
5415	487782.39	3856757.07	1.38042	0.40003	1.20705	1.02886	36.2021	1.19758	0.62466	0.40003
5416	487917.26	3856752.41	1.28007	0.41449	1.10756	0.95475	23.3759	1.03447	0.5809	0.41449
5417	487919.57	3856953.35	1.37947	0.41115	1.01497	1.11522	28.6963	1.27997	0.65894	0.41115
5418	487932.76	3857000.32	1.39733	0.4078	1.20232	1.15093	29.3712	1.29172	0.67874	0.4078
5419	487960.5	3857044.75	1.4003	0.40642	1.14997	1.17231	29.6772	1.26691	0.68953	0.40642
5420	488016.54	3857089.54	1.37868	0.4066	0.99073	1.22779	28.4142	1.13976	0.68514	0.4066
5421	488114.39	3857165.47	1.32958	0.40804	2.09105	1.37081	26.766	1.02619	0.67407	0.40804
5422	488171.49	3857234.24	1.30283	0.41047	2.03919	1.49787	25.7463	1.40941	0.67812	0.41047
5423	488193.16	3857297.8	1.3014	0.42434	1.94582	1.59772	25.6642	1.62555	0.70054	0.42434
5424	488189.27	3857649.94	1.44394	0.52085	2.52935	2.18545	29.5871	1.94074	0.91099	0.52085
5425	488127.43	3857732.32	1.60727	0.55487	3.73578	2.96574	32.7118	2.50394	1.02992	0.55487
5426	488149.93	3857752.94	1.60018	0.56378	3.87817	2.97649	32.1334	2.55312	1.02995	0.56378
5427	488144.76	3857758.71	1.61556	0.56719	3.89133	3.08221	32.3487	2.59339	1.04191	0.56719
5428	488335.58	3857932.55	1.59589	0.67181	4.73855	3.27198	21.4749	2.29799	1.02587	0.67181
5429	488372.29	3857943.79	1.55148	0.67473	4.503	3.18049	19.5066	2.22763	1.00343	0.67473
5430	488828.64	3857936.4	1.36863	0.5432	2.82347	3.16141	12.29	1.56911	0.74118	0.5432
5431	488829.08	3857959.58	1.39062	0.5604	2.99421	3.19392	11.9	1.56514	0.75347	0.5604
5432	488351.61	3857964.55	1.64364	0.69496	4.25138	3.46787	20.8808	2.30848	1.04425	0.69496
5433	488316.87	3857947.65	1.67467	0.68632	4.75246	3.53852	22.5334	2.37607	1.0611	0.68632
5434	488129.1	3857775.77	1.66354	0.57911	3.87921	3.45913	32.9596	2.72381	1.07908	0.57911
5435	488062.53	3857846.13	2.07429	0.63776	6.02315	9.61134	31.5715	3.96389	1.29467	0.63776
5436	488330.41	3858091.34	2.16138	0.76346	4.27382	9.51344	21.7866	4.25696	1.28729	0.76346
5437	488470.87	3858174.45	2.00914	0.81012	2.66449	5.49445	17.4701	3.35354	1.19621	0.81012
5438	488568.9	3858262.31	2.05737	0.89035	2.76037	5.57632	14.4475	3.36561	1.18435	0.89035
5439	488964.27	3858025.71	1.362	0.57568	3.54496	3.56497	10.6656	1.54626	0.73029	0.57568
5440	489147.25	3857956.64	1.19208	0.49785	2.74396	2.76287	10.2167	1.30968	0.62086	0.49785
5441	489343.52	3857932.45	1.24286	0.45925	2.28615	1.81308	8.47118	1.16714	0.53699	0.45925
5442	489866.19	3857923.19	1.08635	0.38834	1.91501	1.75551	6.24704	0.92349	0.4058	0.38834
5443	489955.65	3857902.27	1.00881	0.37282	1.69511	2.07417	6.49851	0.87884	0.38615	0.37282
5444	490079.44	3857847.9	0.93136	0.35068	1.49732	1.86851	6.46999	0.87554	0.35721	0.35068
5445	490108.49	3857934.13	1.02327	0.36489	1.85335	1.69214	6.20782	0.84689	0.36735	0.36489
5446	489884.48	3858014.17	1.05437	0.40841	2.1888	2.56337	5.57936	0.91701	0.42488	0.40841
5447	489326.56	3858025.86	1.15276	0.50109	2.89581	1.9884	8.9467	1.24992	0.57786	0.50109
5448	489130.38	3858056.71	1.23826	0.54728	3.04892	3.34574	10.062	1.46249	0.66718	0.54728
5449	488936.49	3858143.93	1.41645	0.65377	1.89022	3.72308	8.14935	1.79759	0.79944	0.65377
5450	488638.08	3858327.45	2.14944	0.90372	2.54583	5.81999	12.8043	3.45932	1.19545	0.90372
5451	488663.79	3858349.57	2.16216	0.90732	2.41333	5.84423	12.2259	3.46437	1.1964	0.90732
5452	488694.56	3858349.5	2.08528	0.8969	2.41192	5.32035	11.134	3.18349	1.14885	0.8969
5453	488694.35	3858336.75	2.05005	0.88804	2.47017	5.10618	10.9295	3.07054	1.12808	0.88804
5454	488712.81	3858336.38	2.00267	0.87704	2.45482	4.90031	10.2466	2.94378	1.10306	0.87704
5455	488713.23	3858367.46	2.08465	0.89942	2.28076	5.38675	10.7562	3.2035	1.15154	0.89942
5456	488704.63	3858384.05	2.16382	0.93811	2.11879	5.88538	11.3092	3.45599	1.19337	0.93811
5457	488604.15	3858488.29	2.25799	1.24745	2.05928	4.16142	14.5744	2.43528	1.80007	1.24745
5458	488605.66	3858550.47	2.23383	1.39139	2.16022	3.91839	14.2399	2.43378	2.20333	1.39139
5459	488692.68	3858548.71	2.15094	1.25929	2.10592	4.80228	13.1377	2.59999	1.69608	1.25929
5460	488759.93	3858461.81	2.15463	1.05445	1.93147	7.10677	10.6196	3.86154	1.24762	1.05445
5461	488816.57	3858541.79	2.10731	1.14976	1.86784	10.14752	9.97197	4.51387	1.30801	1.14976
5462	488944.63	3858656.77	2.10031	1.20775	1.87491	9.78984	7.94475	4.4467	1.30269	1.20775
5463	489134.91	3858830.7	1.88053	1.34754	2.37661	10.96406	6.73514	4.30189	1.35487	1.34754
5464	489193.99	3858886.05	1.82161	1.41265	2.62492	15.72485	6.43445	4.35304	1.41239	1.41265
5465	489295.2	3858954.34	1.73747	1.45663	2.51996	10.28163	5.81156	3.86542	1.3993	1.45663
5466	489295.64	3858992.74	1.74159	1.70442	3.35468	9.20077	5.97043	5.39464	1.6133	1.70442
5467	489183.74	3858911.72	1.8262	1.55517	3.13871	13.90762	6.58268	5.10042	1.52419	1.55517
5468	488873.37	3858625.59	2.15323	1.22691	2.09566	10.94023	9.45709	4.54942	1.38653	1.22691

1.65E+01	1.73E-01	2.72E-05	7.75E-02	1.19E+01	1.58E-01	1.42E+00	6.36E-01	2.96E+01
1.71E+01	1.73E-01	2.88E-05	9.00E-02	1.11E+01	1.68E-01	1.52E+00	6.38E-01	2.95E+01
1.51E+01	1.79E-01	2.47E-05	6.35E-02	1.42E+01	1.89E-01	1.24E+00	6.61E-01	3.03E+01
1.42E+01	1.80E-01	3.06E-05	5.33E-02	1.67E+01	1.66E-01	1.08E+00	6.63E-01	3.17E+01
1.31E+01	1.87E-01	2.81E-05	4.94E-02	1.08E+01	1.43E-01	1.00E+00	6.87E-01	2.46E+01
1.41E+01	1.85E-01	2.57E-05	5.77E-02	1.32E+01	1.77E-01	1.14E+00	6.81E-01	2.82E+01
1.43E+01	1.84E-01	3.05E-05	5.96E-02	1.35E+01	1.79E-01	1.17E+00	6.76E-01	2.88E+01
1.44E+01	1.83E-01	2.92E-05	6.07E-02	1.37E+01	1.75E-01	1.19E+00	6.73E-01	2.90E+01
1.41E+01	1.83E-01	2.51E-05	6.36E-02	1.31E+01	1.58E-01	1.18E+00	6.74E-01	2.81E+01
1.36E+01	1.84E-01	5.30E-05	7.10E-02	1.23E+01	1.42E-01	1.16E+00	6.76E-01	2.69E+01
1.34E+01	1.85E-01	5.17E-05	7.75E-02	1.19E+01	1.95E-01	1.17E+00	6.80E-01	2.62E+01
1.33E+01	1.91E-01	4.94E-05	8.27E-02	1.18E+01	2.25E-01	1.21E+00	7.03E-01	2.62E+01
1.48E+01	2.34E-01	6.42E-05	1.13E-01	1.36E+01	2.68E-01	1.57E+00	8.63E-01	2.98E+01
1.65E+01	2.50E-01	9.48E-05	1.54E-01	1.51E+01	3.46E-01	1.78E+00	9.19E-01	3.32E+01
1.64E+01	2.54E-01	9.84E-05	1.54E-01	1.48E+01	3.53E-01	1.78E+00	9.34E-01	3.28E+01
1.66E+01	2.55E-01	9.87E-05	1.60E-01	1.49E+01	3.59E-01	1.80E+00	9.40E-01	3.31E+01
1.64E+01	3.02E-01	1.20E-04	1.69E-01	9.90E+00	3.18E-01	1.77E+00	1.11E+00	2.77E+01
1.59E+01	3.04E-01	1.14E-04	1.65E-01	8.99E+00	3.08E-01	1.73E+00	1.12E+00	2.63E+01
1.40E+01	2.44E-01	7.16E-05	1.64E-01	5.66E+00	2.17E-01	1.28E+00	9.00E-01	2.07E+01
1.43E+01	2.52E-01	7.60E-05	1.65E-01	5.48E+00	2.16E-01	1.30E+00	9.29E-01	2.07E+01
1.69E+01	3.13E-01	1.08E-04	1.80E-01	9.62E+00	3.19E-01	1.80E+00	1.15E+00	2.79E+01
1.72E+01	3.09E-01	1.21E-04	1.83E-01	1.04E+01	3.28E-01	1.83E+00	1.14E+00	2.91E+01
1.71E+01	2.61E-01	9.84E-05	1.79E-01	1.52E+01	3.77E-01	1.86E+00	9.60E-01	3.40E+01
2.13E+01	2.87E-01	1.53E-04	4.98E-01	1.45E+01	5.48E-01	2.24E+00	1.06E+00	3.83E+01
2.22E+01	3.44E-01	1.08E-04	4.92E-01	1.00E+01	5.89E-01	2.22E+00	1.27E+00	3.46E+01
2.06E+01	3.65E-01	6.76E-05	2.84E-01	8.05E+00	4.64E-01	2.07E+00	1.34E+00	3.05E+01
2.11E+01	4.01E-01	7.00E-05	2.89E-01	6.66E+00	4.65E-01	2.04E+00	1.48E+00	2.95E+01
1.40E+01	2.59E-01	8.99E-05	1.85E-01	4.92E+00	2.14E-01	1.26E+00	9.54E-01	1.98E+01
1.22E+01	2.24E-01	6.96E-05	1.43E-01	4.71E+00	1.81E-01	1.07E+00	8.25E-01	1.77E+01
1.27E+01	2.07E-01	5.80E-05	9.39E-02	3.90E+00	1.61E-01	9.27E-01	7.61E-01	1.73E+01
1.11E+01	1.75E-01	4.86E-05	9.09E-02	2.88E+00	1.28E-01	7.01E-01	6.43E-01	1.45E+01
1.03E+01	1.68E-01	4.30E-05	1.07E-01	2.99E+00	1.22E-01	6.67E-01	6.18E-01	1.38E+01
9.55E+00	1.58E-01	3.80E-05	9.67E-02	2.98E+00	1.21E-01	6.17E-01	5.81E-01	1.29E+01
1.05E+01	1.64E-01	4.70E-05	8.76E-02	2.86E+00	1.17E-01	6.34E-01	6.05E-01	1.38E+01
1.08E+01	1.84E-01	5.55E-05	1.33E-01	2.57E+00	1.27E-01	7.34E-01	6.77E-01	1.39E+01
1.18E+01	2.26E-01	7.35E-05	1.03E-01	4.12E+00	1.73E-01	9.98E-01	8.30E-01	1.66E+01
1.27E+01	2.46E-01	7.73E-05	1.73E-01	4.64E+00	2.02E-01	1.15E+00	9.07E-01	1.82E+01
1.45E+01	2.94E-01	4.80E-05	1.93E-01	3.76E+00	2.49E-01	1.38E+00	1.08E+00	1.93E+01
2.20E+01	4.07E-01	6.46E-05	3.01E-01	5.90E+00	4.78E-01	2.06E+00	1.50E+00	2.97E+01
2.22E+01	4.08E-01	6.12E-05	3.03E-01	5.63E+00	4.79E-01	2.07E+00	1.50E+00	2.96E+01
2.14E+01	4.04E-01	6.12E-05	2.75E-01	5.13E+00	4.40E-01	1.98E+00	1.49E+00	2.81E+01
2.10E+01	4.00E-01	6.27E-05	2.64E-01	5.04E+00	4.25E-01	1.95E+00	1.47E+00	2.76E+01
2.05E+01	3.95E-01	6.23E-05	2.54E-01	4.72E+00	4.07E-01	1.90E+00	1.45E+00	2.68E+01
2.14E+01	4.05E-01	5.79E-05	2.79E-01	4.96E+00	4.43E-01	1.99E+00	1.49E+00	2.80E+01
2.22E+01	4.22E-01	5.37E-05	3.05E-01	5.21E+00	4.78E-01	2.06E+00	1.55E+00	2.91E+01
2.32E+01	5.61E-01	5.22E-05	2.15E-01	6.72E+00	3.37E-01	3.11E+00	2.07E+00	3.20E+01
2.29E+01	6.26E-01	5.48E-05	2.03E-01	6.56E+00	3.36E-01	3.80E+00	2.31E+00	3.21E+01
2.21E+01	5.67E-01	5.34E-05	2.49E-01	6.05E+00	3.59E-01	2.93E+00	2.09E+00	3.01E+01
2.21E+01	4.75E-01	4.90E-05	3.68E-01	4.89E+00	5.34E-01	2.15E+00	1.75E+00	2.88E+01
2.16E+01	5.17E-01	4.74E-05	5.25E-01	4.60E+00	6.24E-01	2.26E+00	1.91E+00	2.82E+01
2.15E+01	5.44E-01	4.76E-05	5.07E-01	3.66E+00	6.15E-01	2.25E+00	2.00E+00	2.71E+01
1.93E+01	6.06E-01	6.03E-05	5.68E-01	3.10E+00	5.95E-01	2.34E+00	2.23E+00	2.43E+01
1.87E+01	6.36E-01	6.66E-05	8.14E-01	2.97E+00	6.02E-01	2.44E+00	2.34E+00	2.38E+01
1.78E+01	6.56E-01	6.39E-05	5.32E-01	2.68E+00	5.34E-01	2.42E+00	2.41E+00	2.22E+01
1.79E+01	7.67E-01	8.51E-05	4.76E-01	2.75E+00	7.46E-01	2.79E+00	2.82E+00	2.26E+01
1.87E+01	7.00E-01	7.96E-05	7.20E-01	3.03E+00	7.05E-01	2.63E+00	2.58E+00	2.39E+01
2.21E+01	5.52E-01	5.32E-05	5.66E-01	4.36E+00	6.29E-01	2.39E+00	2.03E+00	2.85E+01

5469	488842.84	3858658.69	2.18784	1.32191	2.40054	6.75476	10.5741	2.96062	1.57889	1.32191
5470	488856.39	3858670.93	2.19605	1.33408	2.45315	6.9808	10.3846	3.00453	1.57771	1.33408
5471	488805.7	3858724.5	2.22794	1.68286	1.85607	4.98743	11.75	2.70851	2.09996	1.68286
5472	488805.87	3858804.16	2.20169	2.42808	2.35933	4.08961	11.8064	2.15815	3.17879	2.42808
5473	488995.78	3858936.96	2.07868	2.88151	2.54902	4.47606	9.58664	1.78624	3.45082	2.88151
5474	489130.76	3859017.38	2.02961	3.00494	2.63768	5.41413	7.75433	1.78589	3.05296	3.00494
5475	489130.92	3859052.24	2.14122	4.01567	3.45946	5.39284	8.05867	1.64727	4.67719	4.01567
5476	489200.33	3859090.6	2.07285	4.01394	3.72887	13.02368	7.09825	1.75139	4.04492	4.01394
5477	489296.07	3859143.7	1.97325	3.97622	4.41259	3.97256	6.09723	1.92442	4.03427	3.97622
5478	489296.43	3858954.74	1.73652	1.45566	2.50508	10.18625	5.8016	3.8491	1.39789	1.45566
5479	489410.33	3859033.19	1.72548	1.55713	2.16107	9.64154	5.10836	4.25484	1.44661	1.55713
5480	489371.37	3859089.8	1.79292	2.1947	4.22316	6.04906	5.71969	2.88447	2.03924	2.1947
5481	489390.52	3859102.82	1.81062	2.22539	4.37122	5.91461	5.61902	2.86839	2.0662	2.22539
5482	489382.3	3859114.53	1.82208	2.40231	4.32365	5.49166	5.71923	2.68576	2.2421	2.40231
5483	489363.04	3859102.45	1.80686	2.37973	4.29871	5.55917	5.81799	2.6751	2.21647	2.37973
5484	489337.52	3859140.71	1.87764	3.20968	3.58827	4.25803	5.98971	2.17283	3.11878	3.20968
5485	489375.14	3859164.55	1.89173	3.28349	4.076	4.29629	5.84557	2.24694	3.2426	3.28349
5486	489409.3	3859114.5	1.81586	2.24463	4.48746	5.82457	5.51611	2.86771	2.08672	2.24463
5487	489434.87	3859131.81	1.80917	2.28548	4.59987	5.68898	5.38583	2.86471	2.13715	2.28548
5488	489471.87	3859075.75	1.72664	1.62354	2.92761	10.22809	4.74547	4.45292	1.49437	1.62354
5489	489602.62	3859164.69	1.74348	1.77733	4.46898	10.69538	3.98965	4.71827	1.65114	1.77733
5490	489558.29	3859232.45	1.92741	2.73087	4.53209	4.90599	4.81796	2.75176	2.67936	2.73087
5491	489620.11	3859273.56	1.94892	2.86429	7.74109	4.8894	4.48231	2.79545	2.81773	2.86429
5492	489666.06	3859206.42	1.74382	1.85276	6.87106	10.82198	3.6312	4.71544	1.75173	1.85276
5493	489787.9	3859285.65	1.74824	2.00279	9.57691	10.77241	3.00134	4.67982	1.94299	2.00279
5494	489752.17	3859343.13	1.95679	2.90312	22.48633	5.27192	3.69666	3.17388	2.88142	2.90312
5495	489814.94	3859385.33	1.95073	3.07825	32.96354	4.98903	3.39314	3.02653	3.08376	3.07825
5496	489853.42	3859330.74	1.7568	2.12094	15.28705	11.12553	2.70989	4.80688	2.08204	2.12094
5497	489969.5	3859401.91	1.72263	2.2615	12.7683	10.75311	2.51375	4.66188	2.26046	2.2615
5498	490166.91	3859486.96	1.59676	2.05391	8.27149	9.6538	2.39234	4.08462	2.0748	2.05391
5499	490128.86	3859571.46	1.94066	3.83352	5.87455	4.48543	2.27047	2.61611	3.86526	3.83352
5500	490186.65	3859593.65	1.89609	3.85507	5.19022	4.59834	2.27651	2.82651	3.87609	3.85507
5501	490223.74	3859517.48	1.59501	2.06988	6.40077	10.40968	2.33378	4.237	2.09839	2.06988
5502	490846.34	3859817.22	1.46173	2.01012	2.48438	8.59035	1.96442	3.3643	2.07821	2.01012
5503	490925.65	3859844.59	1.39183	1.93941	2.38562	8.16983	1.85905	3.21411	2.03145	1.93941
5504	491159.29	3859896.28	1.15675	1.65043	2.22258	9.43807	1.64761	3.05848	1.65131	1.65043
5505	491370.69	3859960.89	1.07603	1.578	1.88155	10.63471	1.86774	3.63198	1.60679	1.578
5506	491330.28	3860063.17	1.58191	2.63102	1.88015	4.50173	1.32224	3.05986	2.58266	2.63102
5507	491636.45	3860180.75	1.26686	1.77202	1.75215	3.69634	1.57941	2.82137	1.77613	1.77202
5508	491617.94	3860203.93	1.43655	1.86996	1.7393	2.99647	1.45049	2.3859	1.84317	1.86996
5509	491805.68	3860271.59	1.23323	1.56245	1.64835	2.95913	1.59319	2.31349	1.53816	1.56245
5510	491654.23	3860414.02	1.46698	4.27065	2.13488	1.68542	1.31933	1.4863	4.81653	4.27065
5511	491592.62	3860510.76	1.04035	1.64116	2.18972	1.21461	1.4571	1.1295	1.58242	1.64116
5512	491475.41	3860368.93	1.31316	2.23203	2.2224	1.57878	1.48054	1.38655	2.09238	2.23203
5513	491445.61	3860337.28	1.37576	2.46123	2.21221	1.66307	1.48941	1.44667	2.29325	2.46123
5514	491399.05	3860300.37	1.41928	2.52782	2.22245	1.75625	1.51894	1.51774	2.37222	2.52782
5515	491228.84	3860235.98	1.31484	1.92891	2.33193	1.67017	1.64561	1.51692	1.69556	1.92891
5516	491228.47	3860174.57	1.41495	2.45032	2.20642	2.48664	1.63159	1.86397	2.41017	2.45032
5517	491145.77	3860112.55	1.49208	2.61361	2.17826	2.94522	1.69978	2.07395	2.46907	2.61361
5518	490844.41	3859966.22	1.55651	3.47741	2.47204	3.2637	1.95106	2.40726	3.12938	3.47741
5519	490845.55	3859928.15	1.63426	5.22677	2.27825	4.40566	1.97847	3.05938	4.92682	5.22677
5520	490046.91	3859625.6	1.69271	4.04426	4.84086	3.08611	2.83387	1.99278	3.50256	4.04426
5521	489970.48	3859589.4	1.71058	3.81153	6.36295	3.10224	3.23293	1.94892	3.61541	3.81153
5522	489865.89	3859529.06	1.80424	3.95219	10.79176	3.2539	3.75252	1.87148	3.26771	3.95219
5523	489826.89	3859531.74	1.67116	3.09581	15.83314	3.12743	4.05771	1.80415	2.73373	3.09581
5524	489410.47	3859303.06	1.75174	3.0766	5.89029	3.05591	5.63382	1.5249	2.66407	3.0766
5525	489407.15	3859286.09	1.82271	3.55195	5.00627	3.078	5.67462	1.58069	2.90622	3.55195

2.24E+01	5.95E-01	6.09E-05	3.50E-01	4.87E+00	4.09E-01	2.73E+00	2.19E+00	2.92E+01
2.25E+01	6.00E-01	6.22E-05	3.61E-01	4.79E+00	4.15E-01	2.72E+00	2.21E+00	2.92E+01
2.28E+01	7.57E-01	4.71E-05	2.58E-01	5.41E+00	3.74E-01	3.63E+00	2.79E+00	3.05E+01
2.26E+01	1.09E+00	5.99E-05	2.12E-01	5.44E+00	2.98E-01	5.49E+00	4.02E+00	3.11E+01
2.13E+01	1.30E+00	6.47E-05	2.32E-01	4.42E+00	2.47E-01	5.96E+00	4.77E+00	2.87E+01
2.08E+01	1.35E+00	6.69E-05	2.80E-01	3.57E+00	2.47E-01	5.27E+00	4.98E+00	2.66E+01
2.20E+01	1.81E+00	8.78E-05	2.79E-01	3.71E+00	2.28E-01	8.08E+00	6.65E+00	2.94E+01
2.13E+01	1.81E+00	9.46E-05	6.74E-01	3.27E+00	2.42E-01	6.98E+00	6.65E+00	2.76E+01
2.02E+01	1.79E+00	1.12E-04	2.06E-01	2.81E+00	2.66E-01	6.97E+00	6.59E+00	2.57E+01
1.78E+01	6.55E-01	6.35E-05	5.27E-01	2.67E+00	5.32E-01	2.41E+00	2.41E+00	2.22E+01
1.77E+01	7.01E-01	5.48E-05	4.99E-01	2.35E+00	5.88E-01	2.50E+00	2.58E+00	2.18E+01
1.84E+01	9.88E-01	1.07E-04	3.13E-01	2.64E+00	3.99E-01	3.52E+00	3.64E+00	2.26E+01
1.86E+01	1.00E+00	1.11E-04	3.06E-01	2.59E+00	3.97E-01	3.57E+00	3.69E+00	2.27E+01
1.87E+01	1.08E+00	1.10E-04	2.84E-01	2.64E+00	3.71E-01	3.87E+00	3.98E+00	2.29E+01
1.85E+01	1.07E+00	1.09E-04	2.88E-01	2.68E+00	3.70E-01	3.83E+00	3.94E+00	2.28E+01
1.93E+01	1.44E+00	9.10E-05	2.20E-01	2.76E+00	3.00E-01	5.38E+00	5.32E+00	2.40E+01
1.94E+01	1.48E+00	1.03E-04	2.22E-01	2.69E+00	3.11E-01	5.60E+00	5.44E+00	2.43E+01
1.86E+01	1.01E+00	1.14E-04	3.02E-01	2.54E+00	3.96E-01	3.60E+00	3.72E+00	2.28E+01
1.86E+01	1.03E+00	1.17E-04	2.94E-01	2.48E+00	3.96E-01	3.69E+00	3.79E+00	2.27E+01
1.77E+01	7.31E-01	7.43E-05	5.29E-01	2.19E+00	6.16E-01	2.58E+00	2.69E+00	2.17E+01
1.79E+01	8.00E-01	1.13E-04	5.54E-01	1.84E+00	6.52E-01	2.85E+00	2.94E+00	2.16E+01
1.98E+01	1.23E+00	1.15E-04	2.54E-01	2.22E+00	3.80E-01	4.63E+00	4.52E+00	2.39E+01
2.00E+01	1.29E+00	1.96E-04	2.53E-01	2.07E+00	3.86E-01	4.86E+00	4.75E+00	2.41E+01
1.79E+01	8.34E-01	1.74E-04	5.60E-01	1.67E+00	6.52E-01	3.02E+00	3.07E+00	2.16E+01
1.79E+01	9.01E-01	2.43E-04	5.58E-01	1.38E+00	6.47E-01	3.35E+00	3.32E+00	2.15E+01
2.01E+01	1.31E+00	5.70E-04	2.73E-01	1.70E+00	4.39E-01	4.97E+00	4.81E+00	2.40E+01
2.00E+01	1.39E+00	8.36E-04	2.58E-01	1.56E+00	4.18E-01	5.32E+00	5.10E+00	2.39E+01
1.80E+01	9.55E-01	3.88E-04	5.76E-01	1.25E+00	6.65E-01	3.59E+00	3.51E+00	2.15E+01
1.77E+01	1.02E+00	3.24E-04	5.57E-01	1.16E+00	6.45E-01	3.90E+00	3.75E+00	2.12E+01
1.64E+01	9.24E-01	2.10E-04	5.00E-01	1.10E+00	5.65E-01	3.58E+00	3.40E+00	1.96E+01
1.99E+01	1.73E+00	1.49E-04	2.32E-01	1.05E+00	3.62E-01	6.67E+00	6.35E+00	2.36E+01
1.94E+01	1.73E+00	1.32E-04	2.38E-01	1.05E+00	3.91E-01	6.69E+00	6.39E+00	2.32E+01
1.64E+01	9.32E-01	1.62E-04	5.39E-01	1.08E+00	5.86E-01	3.62E+00	3.43E+00	1.97E+01
1.50E+01	9.05E-01	6.30E-05	4.45E-01	9.05E-01	4.65E-01	3.59E+00	3.33E+00	1.80E+01
1.43E+01	8.73E-01	6.05E-05	4.23E-01	8.57E-01	4.44E-01	3.51E+00	3.21E+00	1.72E+01
1.19E+01	7.43E-01	5.64E-05	4.89E-01	7.59E-01	4.23E-01	2.85E+00	2.73E+00	1.44E+01
1.10E+01	7.10E-01	4.77E-05	5.51E-01	8.61E-01	5.02E-01	2.77E+00	2.61E+00	1.38E+01
1.62E+01	1.18E+00	4.77E-05	2.33E-01	6.09E-01	4.23E-01	4.46E+00	4.36E+00	1.88E+01
1.30E+01	7.97E-01	4.44E-05	1.91E-01	7.28E-01	3.90E-01	3.07E+00	2.94E+00	1.52E+01
1.47E+01	8.42E-01	4.41E-05	1.55E-01	6.68E-01	3.30E-01	3.18E+00	3.10E+00	1.68E+01
1.26E+01	7.03E-01	4.18E-05	1.53E-01	7.34E-01	3.20E-01	2.66E+00	2.59E+00	1.46E+01
1.50E+01	1.92E+00	5.42E-05	8.72E-02	6.08E-01	2.05E-01	8.32E+00	7.08E+00	1.91E+01
1.07E+01	7.39E-01	5.55E-05	6.29E-02	6.71E-01	1.56E-01	2.73E+00	2.72E+00	1.23E+01
1.35E+01	1.00E+00	5.64E-05	8.17E-02	6.82E-01	1.92E-01	3.61E+00	3.70E+00	1.53E+01
1.41E+01	1.11E+00	5.61E-05	8.61E-02	6.86E-01	2.00E-01	3.96E+00	4.08E+00	1.61E+01
1.46E+01	1.14E+00	5.64E-05	9.09E-02	7.00E-01	2.10E-01	4.10E+00	4.19E+00	1.66E+01
1.35E+01	8.68E-01	5.92E-05	8.65E-02	7.58E-01	2.10E-01	2.93E+00	3.20E+00	1.51E+01
1.45E+01	1.10E+00	5.60E-05	1.29E-01	7.52E-01	2.58E-01	4.16E+00	4.06E+00	1.69E+01
1.53E+01	1.18E+00	5.53E-05	1.52E-01	7.83E-01	2.87E-01	4.26E+00	4.33E+00	1.76E+01
1.60E+01	1.56E+00	6.27E-05	1.69E-01	8.99E-01	3.33E-01	5.40E+00	5.76E+00	1.86E+01
1.68E+01	2.35E+00	5.78E-05	2.28E-01	9.12E-01	4.23E-01	8.51E+00	8.66E+00	2.05E+01
1.74E+01	1.82E+00	1.23E-04	1.60E-01	1.31E+00	2.76E-01	6.05E+00	6.70E+00	2.03E+01
1.75E+01	1.72E+00	1.61E-04	1.61E-01	1.49E+00	2.69E-01	6.24E+00	6.32E+00	2.11E+01
1.85E+01	1.78E+00	2.74E-04	1.68E-01	1.73E+00	2.59E-01	5.64E+00	6.55E+00	2.15E+01
1.71E+01	1.39E+00	4.02E-04	1.62E-01	1.87E+00	2.49E-01	4.72E+00	5.13E+00	2.04E+01
1.80E+01	1.38E+00	1.49E-04	1.58E-01	2.60E+00	2.11E-01	4.60E+00	5.10E+00	2.18E+01
1.87E+01	1.60E+00	1.27E-04	1.59E-01	2.62E+00	2.19E-01	5.02E+00	5.89E+00	2.24E+01

5526	488806.07	3858963.62	2.12256	3.14866	2.45076	3.22077	10.9932	1.66061	2.39226	3.14866
5527	488817.64	3859546.3	1.86952	0.90923	2.40056	2.07396	4.626	2.29487	0.90998	0.90923
5528	489187.25	3859549.52	1.57784	1.1828	3.64879	10.66059	8.1984	1.85632	1.18656	1.1828
5529	489187.66	3859523.74	1.58632	1.20939	3.86758	10.72906	8.30229	1.79852	1.23703	1.20939
5530	489232.59	3859522.85	1.56248	1.2615	4.1084	4.84081	8.2383	1.69286	1.30275	1.2615
5531	489224.98	3859759.91	1.89788	0.8167	2.85918	5.29485	7.1692	1.71798	0.91196	0.8167
5532	488401.39	3859763.34	2.33408	0.60634	1.78393	1.17296	3.55788	2.7161	0.52993	0.60634
5533	488405.51	3859966.16	2.40424	0.5914	1.52402	1.22085	3.16543	2.71072	0.54793	0.5914
5534	489202.85	3859956.57	1.41915	0.62374	2.5038	12.35997	5.61055	1.21165	0.73121	0.62374
5535	489191.9	3860676.74	2.25901	0.60999	1.63146	12.93726	1.37282	1.09618	0.61362	0.60999
5536	488392.82	3860687.88	2.82605	0.52859	1.26194	0.91059	1.83595	4.13169	0.53441	0.52859
5537	488392.82	3860760.27	2.78125	0.55997	1.12666	0.87657	1.74423	2.10462	0.56648	0.55997
5538	487549.05	3860777.45	1.08784	0.53477	0.92155	0.82014	2.94684	1.764	0.51323	0.53477
5539	487554.62	3859571.83	2.63436	0.63987	1.14531	0.9868	3.52409	2.68029	0.48839	0.63987
5540	485949.46	3859558.54	0.93829	0.58658	1.27304	0.8174	2.29619	1.1078	0.58832	0.58658
5541	485947.55	3857943.61	2.06103	0.92073	1.35894	1.12514	5.69907	4.14974	0.40322	0.92073
5542	484738.38	3857940.21	1.2487	0.50449	1.24369	0.84878	4.43287	1.77589	0.29495	0.50449
5543	484737.06	3857535.68	1.64546	0.63014	1.32259	0.76788	4.45292	1.17469	0.32158	0.63014
5544	483730.2	3857530.13	0.97961	0.41608	1.58057	0.67214	2.6332	0.9775	0.28163	0.41608
5545	483727.27	3857130.01	1.58705	0.4665	1.68096	0.58827	4.3192	0.71653	0.27977	0.4665
5546	483124.42	3857123.45	1.19433	0.36003	1.68191	0.55819	3.64214	0.76521	0.28675	0.36003
5547	483111.13	3855921.03	1.94885	0.55321	1.68187	0.49777	2.85925	0.92559	0.28176	0.55321
5548	482701.73	3855918.24	1.59434	0.46554	2.15118	0.46444	3.06749	0.74197	0.25826	0.46554
5549	482668.02	3853521.78	1.51649	1.45728	0.87066	1.44568	1.22607	1.33576	1.40333	1.45728
5550	482579.91	3853219.19	1.38235	1.72998	0.89215	0.99834	0.92768	1.18413	1.78681	1.72998
5551	482434.06	3852961.94	1.29401	2.37162	0.71297	0.80095	1.0655	0.81975	2.40504	2.37162
5552	482332.11	3852832.85	1.22386	2.66209	0.78628	0.71439	1.07407	0.6342	2.70179	2.66209
5553	481334.99	3851818.96	1.01318	1.86603	0.94279	0.41077	0.90251	0.49557	1.88444	1.86603
5554	481127.62	3851646.36	0.94456	2.40321	0.67368	0.3995	0.86902	0.47797	2.41179	2.40321
5555	481025.04	3851591.73	0.90411	2.42517	0.50298	0.42573	0.85792	0.47206	2.43604	2.42517
5556	480513.6	3851335.76	0.79775	2.51227	0.17345	0.5645	0.75834	0.48124	2.57065	2.51227
5557	480523.56	3851317.66	0.82578	2.91664	0.17379	0.54257	0.76914	0.47361	2.98328	2.91664
5558	476921.56	3849569.11	0.5388	2.32478	0.61595	0.23451	0.4765	0.20635	2.33752	2.32478
5559	476521.19	3849373.96	0.54163	2.62959	0.55379	0.26166	0.52897	0.20397	2.64253	2.62959
5560	476391.45	3849333.38	0.53658	2.74644	0.51515	0.28432	0.57922	0.21865	2.76967	2.74644
5561	476219.41	3849304.29	0.53512	2.74055	0.43446	0.32589	0.67464	0.23525	2.76752	2.74055
5562	475679.11	3849218.47	0.54423	3.02621	0.15101	0.42488	0.92802	0.27357	3.04286	3.02621
5563	475677.71	3849233.88	0.4953	2.70713	0.14406	0.42487	0.93514	0.27575	2.72308	2.70713
5564	475492.74	3849204.66	0.54851	1.9201	0.11028	0.46395	1.00341	0.28937	1.93171	1.9201
5565	475497.64	3849158.75	0.90122	4.20516	0.10049	0.46355	0.98395	0.29018	4.2133	4.20516
5566	475391.35	3849141.94	0.74331	4.05401	0.11323	0.44151	0.98901	0.29006	4.07771	4.05401
5567	475277	3849095.47	0.68649	3.86176	0.11976	0.43291	0.97872	0.28622	3.88776	3.86176
5568	475183.93	3849025.66	0.52394	3.52334	0.11765	0.43191	0.97345	0.28496	3.55593	3.52334
5569	474453.23	3848378.77	0.51828	2.80727	0.08566	0.38806	0.82448	0.244	2.83523	2.80727
5570	474569.63	3848399.34	0.41727	4.35526	0.08916	0.38585	0.78346	0.23442	4.38554	4.35526
5571	474644.33	3848464.52	0.42222	4.33619	0.08935	0.39211	0.80434	0.24026	4.36595	4.33619
5572	474719.04	3848529.7	0.42455	4.34538	0.08851	0.39928	0.82461	0.24605	4.37443	4.34538
5573	474793.74	3848594.88	0.42427	4.43972	0.08498	0.41015	0.84529	0.25227	4.4689	4.43972
5574	474868.45	3848660.07	0.4217	4.44217	0.08533	0.42266	0.8655	0.25826	4.47089	4.44217
5575	474943.15	3848725.25	0.42265	4.48938	0.08796	0.43115	0.88512	0.26371	4.51768	4.48938
5576	475017.86	3848790.43	0.43112	4.56541	0.09099	0.43542	0.90466	0.269	4.59353	4.56541
5577	475092.56	3848855.61	0.47071	4.47008	0.09424	0.43689	0.92216	0.27373	4.497	4.47008
5578	475232.58	3848959.38	0.51111	3.85458	0.09657	0.43811	0.93997	0.27873	3.87716	3.85458
5579	475368.47	3849029.98	0.49034	3.02657	0.09934	0.44605	0.93974	0.27988	3.04931	3.02657
5580	475609.57	3849096.09	0.49258	2.55115	0.15952	0.44081	0.87105	0.26513	2.57408	2.55115
5581	475680.68	3849116.62	0.49524	2.72082	0.1934	0.42084	0.84779	0.25784	2.75789	2.72082
5582	475843.76	3849151.52	0.50348	3.06984	0.27495	0.38287	0.77111	0.23146	3.12276	3.06984

2.18E+01	1.42E+00	6.22E-05	1.67E-01	5.07E+00	2.30E-01	4.13E+00	5.22E+00	2.76E+01
1.92E+01	4.09E-01	6.09E-05	1.07E-01	2.13E+00	3.17E-01	1.57E+00	1.51E+00	2.22E+01
1.62E+01	5.32E-01	9.26E-05	5.52E-01	3.78E+00	2.57E-01	2.05E+00	1.96E+00	2.14E+01
1.63E+01	5.44E-01	9.81E-05	5.55E-01	3.83E+00	2.49E-01	2.14E+00	2.00E+00	2.16E+01
1.60E+01	5.68E-01	1.04E-04	2.51E-01	3.80E+00	2.34E-01	2.25E+00	2.09E+00	2.10E+01
1.95E+01	3.68E-01	7.25E-05	2.74E-01	3.30E+00	2.38E-01	1.57E+00	1.35E+00	2.39E+01
2.39E+01	2.73E-01	4.53E-05	6.07E-02	1.64E+00	3.76E-01	9.15E-01	1.00E+00	2.62E+01
2.47E+01	2.66E-01	3.87E-05	6.32E-02	1.46E+00	3.75E-01	9.46E-01	9.80E-01	2.68E+01
1.46E+01	2.81E-01	6.35E-05	6.40E-01	2.59E+00	1.68E-01	1.26E+00	1.03E+00	1.85E+01
2.32E+01	2.75E-01	4.14E-05	6.70E-01	6.33E-01	1.52E-01	1.06E+00	1.01E+00	2.49E+01
2.90E+01	2.38E-01	3.20E-05	4.71E-02	8.46E-01	5.71E-01	9.23E-01	8.76E-01	3.07E+01
2.85E+01	2.52E-01	2.86E-05	4.54E-02	8.04E-01	2.91E-01	9.78E-01	9.28E-01	3.00E+01
1.12E+01	2.41E-01	2.34E-05	4.25E-02	1.36E+00	2.44E-01	8.86E-01	8.86E-01	1.30E+01
2.70E+01	2.88E-01	2.91E-05	5.11E-02	1.62E+00	3.71E-01	8.43E-01	1.06E+00	2.91E+01
9.62E+00	2.64E-01	3.23E-05	4.23E-02	1.06E+00	1.53E-01	1.02E+00	9.72E-01	1.12E+01
2.11E+01	4.14E-01	3.45E-05	5.82E-02	2.63E+00	5.74E-01	6.96E-01	1.53E+00	2.40E+01
1.28E+01	2.27E-01	3.15E-05	4.39E-02	2.04E+00	2.46E-01	5.09E-01	8.36E-01	1.50E+01
1.69E+01	2.84E-01	3.36E-05	3.98E-02	2.05E+00	1.62E-01	5.55E-01	1.04E+00	1.89E+01
1.00E+01	1.87E-01	4.01E-05	3.48E-02	1.21E+00	1.35E-01	4.86E-01	6.89E-01	1.14E+01
1.63E+01	2.10E-01	4.26E-05	3.05E-02	1.99E+00	9.91E-02	4.83E-01	7.73E-01	1.83E+01
1.22E+01	1.62E-01	4.27E-05	2.89E-02	1.68E+00	1.06E-01	4.95E-01	5.97E-01	1.41E+01
2.00E+01	2.49E-01	4.27E-05	2.58E-02	1.32E+00	1.28E-01	4.86E-01	9.17E-01	2.13E+01
1.63E+01	2.10E-01	5.46E-05	2.40E-02	1.41E+00	1.03E-01	4.46E-01	7.71E-01	1.78E+01
1.56E+01	6.56E-01	2.21E-05	7.48E-02	5.65E-01	1.85E-01	2.42E+00	2.41E+00	1.70E+01
1.42E+01	7.79E-01	2.26E-05	5.17E-02	4.28E-01	1.64E-01	3.08E+00	2.87E+00	1.58E+01
1.33E+01	1.07E+00	1.81E-05	4.15E-02	4.91E-01	1.13E-01	4.15E+00	3.93E+00	1.52E+01
1.25E+01	1.20E+00	1.99E-05	3.70E-02	4.95E-01	8.77E-02	4.66E+00	4.41E+00	1.46E+01
1.04E+01	8.40E-01	2.39E-05	2.13E-02	4.16E-01	6.85E-02	3.25E+00	3.09E+00	1.19E+01
9.69E+00	1.08E+00	1.71E-05	2.07E-02	4.00E-01	6.61E-02	4.16E+00	3.98E+00	1.14E+01
9.27E+00	1.09E+00	1.28E-05	2.20E-02	3.95E-01	6.53E-02	4.21E+00	4.02E+00	1.10E+01
8.18E+00	1.13E+00	4.40E-06	2.92E-02	3.49E-01	6.65E-02	4.44E+00	4.16E+00	1.00E+01
8.47E+00	1.31E+00	4.41E-06	2.81E-02	3.54E-01	6.55E-02	5.15E+00	4.83E+00	1.05E+01
5.52E+00	1.05E+00	1.56E-05	1.21E-02	2.20E-01	2.85E-02	4.04E+00	3.85E+00	7.02E+00
5.55E+00	1.18E+00	1.40E-05	1.35E-02	2.44E-01	2.82E-02	4.56E+00	4.36E+00	7.23E+00
5.50E+00	1.24E+00	1.31E-05	1.47E-02	2.67E-01	3.02E-02	4.78E+00	4.55E+00	7.28E+00
5.49E+00	1.23E+00	1.10E-05	1.69E-02	3.11E-01	3.25E-02	4.78E+00	4.54E+00	7.32E+00
5.58E+00	1.36E+00	3.83E-06	2.20E-02	4.28E-01	3.78E-02	5.25E+00	5.01E+00	7.67E+00
5.08E+00	1.22E+00	3.65E-06	2.20E-02	4.31E-01	3.81E-02	4.70E+00	4.49E+00	7.00E+00
5.62E+00	8.64E-01	2.80E-06	2.40E-02	4.62E-01	4.00E-02	3.34E+00	3.18E+00	7.17E+00
9.24E+00	1.89E+00	2.55E-06	2.40E-02	4.53E-01	4.01E-02	7.27E+00	6.97E+00	1.20E+01
7.62E+00	1.82E+00	2.87E-06	2.29E-02	4.56E-01	4.01E-02	7.04E+00	6.72E+00	1.03E+01
7.04E+00	1.74E+00	3.04E-06	2.24E-02	4.51E-01	3.96E-02	6.71E+00	6.40E+00	9.60E+00
5.37E+00	1.59E+00	2.98E-06	2.24E-02	4.49E-01	3.94E-02	6.14E+00	5.84E+00	7.77E+00
5.31E+00	1.26E+00	2.17E-06	2.01E-02	3.80E-01	3.37E-02	4.90E+00	4.65E+00	7.26E+00
4.28E+00	1.96E+00	2.26E-06	2.00E-02	3.61E-01	3.24E-02	7.57E+00	7.22E+00	7.01E+00
4.33E+00	1.95E+00	2.27E-06	2.03E-02	3.71E-01	3.32E-02	7.54E+00	7.18E+00	7.06E+00
4.35E+00	1.96E+00	2.25E-06	2.07E-02	3.80E-01	3.40E-02	7.55E+00	7.20E+00	7.10E+00
4.35E+00	2.00E+00	2.16E-06	2.12E-02	3.90E-01	3.49E-02	7.72E+00	7.36E+00	7.15E+00
4.32E+00	2.00E+00	2.16E-06	2.19E-02	3.99E-01	3.57E-02	7.72E+00	7.36E+00	7.14E+00
4.33E+00	2.02E+00	2.23E-06	2.23E-02	4.08E-01	3.65E-02	7.80E+00	7.44E+00	7.18E+00
4.42E+00	2.05E+00	2.31E-06	2.25E-02	4.17E-01	3.72E-02	7.93E+00	7.56E+00	7.32E+00
4.83E+00	2.01E+00	2.39E-06	2.26E-02	4.25E-01	3.78E-02	7.76E+00	7.41E+00	7.68E+00
5.24E+00	1.73E+00	2.45E-06	2.27E-02	4.33E-01	3.85E-02	6.69E+00	6.39E+00	7.78E+00
5.03E+00	1.36E+00	2.52E-06	2.31E-02	4.33E-01	3.87E-02	5.26E+00	5.01E+00	7.13E+00
5.05E+00	1.15E+00	4.05E-06	2.28E-02	4.01E-01	3.67E-02	4.44E+00	4.23E+00	6.88E+00
5.08E+00	1.22E+00	4.91E-06	2.18E-02	3.91E-01	3.56E-02	4.76E+00	4.51E+00	7.00E+00
5.16E+00	1.38E+00	6.97E-06	1.98E-02	3.55E-01	3.20E-02	5.39E+00	5.09E+00	7.26E+00

5583	475935.73	3849165.89	0.50011	3.08552	0.33692	0.35217	0.71867	0.22662	3.11636	3.08552
5584	476027.7	3849180.26	0.49966	3.09277	0.39454	0.32422	0.66684	0.23115	3.11432	3.09277
5585	476119.68	3849194.64	0.51063	3.50133	0.43081	0.30523	0.60858	0.22147	3.50906	3.50133
5586	476211.65	3849209.01	0.5122	3.56494	0.47172	0.27841	0.55013	0.21139	3.58861	3.56494
5587	476497.8	3849283.9	0.5039	7.10258	0.55409	0.21423	0.41967	0.20332	7.24514	7.10258
5588	476603.73	3849323.77	0.49317	7.81844	0.57006	0.20079	0.39383	0.2041	7.99338	7.81844
5589	476728.99	3849382.76	0.48961	7.05183	0.57938	0.1915	0.37522	0.20488	7.15362	7.05183
5590	476801.27	3849418.65	0.48964	6.69383	0.58293	0.18786	0.36824	0.20527	6.78009	6.69383
5591	476956.2	3849495.05	0.48807	6.17498	0.58319	0.17977	0.35313	0.20598	6.23004	6.17498
5592	477038.84	3849535.56	0.48821	6.13994	0.57523	0.17332	0.33757	0.20633	6.18368	6.13994
5593	477121.48	3849576.08	0.63677	6.0529	0.56829	0.17131	0.33261	0.20659	6.08423	6.0529
5594	477204.13	3849616.6	0.62337	6.01908	0.55315	0.17665	0.34036	0.20684	6.03763	6.01908
5595	477286.78	3849657.12	0.62265	5.79099	0.52685	0.1822	0.34746	0.20715	5.79736	5.79099
5596	477369.42	3849697.63	0.60536	5.88484	0.52657	0.18753	0.35669	0.20717	5.88622	5.88484
5597	477452.07	3849738.15	0.60462	5.92887	0.50909	0.19312	0.36467	0.20731	5.90965	5.92887
5598	477534.71	3849778.67	0.6017	5.85487	0.50036	0.19851	0.3738	0.20725	5.82991	5.85487
5599	477617.35	3849819.18	0.61191	5.90783	0.47942	0.2042	0.38214	0.2073	5.86958	5.90783
5600	477824.74	3849896.37	0.60701	4.28222	0.41248	0.22252	0.411	0.20639	4.26238	4.28222
5601	477906.31	3849936.37	0.63034	4.5041	0.40839	0.2287	0.41821	0.20658	4.47124	4.5041
5602	477987.89	3849976.36	0.6311	4.43173	0.40595	0.23405	0.42715	0.20632	4.40712	4.43173
5603	478069.47	3850016.36	0.63792	4.54898	0.39698	0.23991	0.43501	0.20631	4.50435	4.54898
5604	478151.04	3850056.35	0.64533	4.51636	0.38503	0.24565	0.44319	0.20624	4.45867	4.51636
5605	478232.62	3850096.35	0.64632	4.57165	0.37519	0.25099	0.45203	0.20597	4.50777	4.57165
5606	478314.2	3850136.34	0.65054	4.57669	0.36445	0.25616	0.46094	0.20562	4.50913	4.57669
5607	478395.77	3850176.34	0.66191	4.56194	0.35262	0.27268	0.4698	0.20522	4.48829	4.56194
5608	478575.43	3850244.45	0.64366	3.77978	0.31327	0.34953	0.49365	0.2342	3.72176	3.77978
5609	478665.06	3850287.29	0.66448	3.68359	0.2978	0.38042	0.50341	0.2457	3.61471	3.68359
5610	478754.69	3850330.14	0.68313	3.61465	0.28294	0.4101	0.51329	0.256	3.54056	3.61465
5611	478844.32	3850372.99	0.70415	3.5337	0.26943	0.43777	0.52309	0.28147	3.46058	3.5337
5612	478933.95	3850415.84	0.72547	3.43107	0.25737	0.46187	0.53286	0.3313	3.35784	3.43107
5613	479023.58	3850458.68	0.7559	3.50056	0.2412	0.48865	0.54149	0.37556	3.42047	3.50056
5614	479110.66	3850441.9	0.85337	2.24494	0.20988	0.52849	0.55879	0.44936	2.21413	2.24494
5615	479191.22	3850423.99	0.96023	1.67816	0.18484	0.54324	0.57123	0.49392	1.67589	1.67816
5616	479274.32	3850465.71	1.00783	1.68036	0.17724	0.5479	0.57689	0.51031	1.67691	1.68036
5617	479357.43	3850507.42	1.03485	1.73015	0.16885	0.55286	0.58161	0.51719	1.72457	1.73015
5618	479440.53	3850549.14	1.05849	1.76334	0.16109	0.55477	0.65817	0.5148	1.75466	1.76334
5619	479523.64	3850590.85	1.07864	1.7664	0.15508	0.55146	0.69084	0.50768	1.75652	1.7664
5620	479606.74	3850632.57	1.09287	1.76916	0.15048	0.54387	0.71805	0.49871	1.756	1.76916
5621	479777.37	3850707.61	1.06441	1.68322	0.14096	0.51201	0.77895	0.46634	1.66843	1.68322
5622	479864.9	3850740.95	0.99628	1.64062	0.1368	0.48595	0.79949	0.45192	1.62964	1.64062
5623	479931.87	3850829.56	0.97664	1.9688	0.1414	0.51657	0.7799	0.46575	1.94181	1.9688
5624	479995.55	3850926.75	0.9929	3.00885	0.14885	0.55117	0.68981	0.49154	2.96467	3.00885
5625	480079.78	3850968.64	1.00901	2.89662	0.1461	0.53614	0.70966	0.48465	2.87458	2.89662
5626	480164.01	3851010.54	1.02597	2.78201	0.15132	0.51777	0.72802	0.47708	2.77281	2.78201
5627	480248.23	3851052.43	1.04494	2.69503	0.15804	0.49728	0.7448	0.46955	2.70228	2.69503
5628	480332.46	3851094.33	1.07115	2.66916	0.16341	0.47637	0.76019	0.46089	2.68913	2.66916
5629	480416.69	3851136.22	1.10204	2.6829	0.16746	0.45531	0.77449	0.45232	2.7118	2.6829
5630	480579.95	3851215.17	1.1374	2.62777	0.16791	0.40774	0.79597	0.44379	2.65214	2.62777
5631	480658.98	3851252.22	1.16211	2.60657	0.18834	0.38259	0.80263	0.44217	2.63625	2.60657
5632	480817.36	3851327.85	1.20777	2.58472	0.36609	0.3752	0.80941	0.44439	2.62091	2.58472
5633	480896.71	3851366.42	1.23942	2.68741	0.48041	0.3703	0.80933	0.44692	2.72192	2.68741
5634	480976.07	3851405	1.2756	3.07108	0.60916	0.3634	0.8067	0.45009	3.15482	3.07108
5635	481178	3851487.31	1.13753	2.84367	0.93808	0.34341	0.77668	0.48037	2.8313	2.84367
5636	481244.9	3851557.17	1.12648	3.38117	0.99064	0.3527	0.79565	0.48693	3.33417	3.38117
5637	481311.81	3851627.03	1.12188	3.40368	1.03468	0.36266	0.81506	0.48952	3.45873	3.40368
5638	481378.71	3851696.89	1.11967	3.79084	1.06958	0.37305	0.83443	0.4877	3.81117	3.79084
5639	481445.61	3851766.76	1.11893	3.62091	1.09539	0.38346	0.85404	0.47929	3.63208	3.62091

5.13E+00	1.39E+00	8.55E-06	1.82E-02	3.31E-01	3.13E-02	5.38E+00	5.11E+00	7.17E+00
5.12E+00	1.39E+00	1.00E-05	1.68E-02	3.07E-01	3.20E-02	5.38E+00	5.12E+00	7.12E+00
5.24E+00	1.58E+00	1.09E-05	1.58E-02	2.80E-01	3.06E-02	6.06E+00	5.80E+00	7.40E+00
5.25E+00	1.60E+00	1.20E-05	1.44E-02	2.54E-01	2.92E-02	6.20E+00	5.91E+00	7.44E+00
5.17E+00	3.20E+00	1.41E-05	1.11E-02	1.93E-01	2.81E-02	1.25E+01	1.18E+01	9.34E+00
5.06E+00	3.52E+00	1.45E-05	1.04E-02	1.81E-01	2.82E-02	1.38E+01	1.30E+01	9.64E+00
5.02E+00	3.17E+00	1.47E-05	9.91E-03	1.73E-01	2.83E-02	1.24E+01	1.17E+01	9.07E+00
5.02E+00	3.01E+00	1.48E-05	9.72E-03	1.70E-01	2.84E-02	1.17E+01	1.11E+01	8.86E+00
5.00E+00	2.78E+00	1.48E-05	9.31E-03	1.63E-01	2.85E-02	1.08E+01	1.02E+01	8.51E+00
5.01E+00	2.76E+00	1.46E-05	8.97E-03	1.56E-01	2.85E-02	1.07E+01	1.02E+01	8.47E+00
6.53E+00	2.72E+00	1.44E-05	8.87E-03	1.53E-01	2.86E-02	1.05E+01	1.00E+01	9.92E+00
6.39E+00	2.71E+00	1.40E-05	9.14E-03	1.57E-01	2.86E-02	1.04E+01	9.97E+00	9.75E+00
6.38E+00	2.61E+00	1.34E-05	9.43E-03	1.60E-01	2.86E-02	1.00E+01	9.60E+00	9.60E+00
6.21E+00	2.65E+00	1.34E-05	9.71E-03	1.64E-01	2.86E-02	1.02E+01	9.75E+00	9.47E+00
6.20E+00	2.67E+00	1.29E-05	1.00E-02	1.68E-01	2.87E-02	1.02E+01	9.82E+00	9.45E+00
6.17E+00	2.63E+00	1.27E-05	1.03E-02	1.72E-01	2.87E-02	1.01E+01	9.70E+00	9.38E+00
6.27E+00	2.66E+00	1.22E-05	1.06E-02	1.76E-01	2.87E-02	1.01E+01	9.79E+00	9.49E+00
6.22E+00	1.93E+00	1.05E-05	1.15E-02	1.89E-01	2.85E-02	7.36E+00	7.10E+00	8.64E+00
6.46E+00	2.03E+00	1.04E-05	1.18E-02	1.93E-01	2.86E-02	7.72E+00	7.46E+00	8.98E+00
6.47E+00	1.99E+00	1.03E-05	1.21E-02	1.97E-01	2.85E-02	7.61E+00	7.34E+00	8.97E+00
6.54E+00	2.05E+00	1.01E-05	1.24E-02	2.00E-01	2.85E-02	7.78E+00	7.54E+00	9.07E+00
6.62E+00	2.03E+00	9.77E-06	1.27E-02	2.04E-01	2.85E-02	7.70E+00	7.48E+00	9.11E+00
6.63E+00	2.06E+00	9.52E-06	1.30E-02	2.08E-01	2.85E-02	7.78E+00	7.57E+00	9.14E+00
6.67E+00	2.06E+00	9.25E-06	1.33E-02	2.12E-01	2.84E-02	7.79E+00	7.58E+00	9.19E+00
6.79E+00	2.05E+00	8.95E-06	1.41E-02	2.17E-01	2.84E-02	7.75E+00	7.56E+00	9.29E+00
6.60E+00	1.70E+00	7.95E-06	1.81E-02	2.27E-01	3.24E-02	6.43E+00	6.26E+00	8.74E+00
6.81E+00	1.66E+00	7.55E-06	1.97E-02	2.32E-01	3.40E-02	6.24E+00	6.10E+00	8.89E+00
7.00E+00	1.63E+00	7.18E-06	2.12E-02	2.37E-01	3.54E-02	6.11E+00	5.99E+00	9.05E+00
7.22E+00	1.59E+00	6.83E-06	2.27E-02	2.41E-01	3.89E-02	5.97E+00	5.86E+00	9.23E+00
7.44E+00	1.54E+00	6.53E-06	2.39E-02	2.46E-01	4.58E-02	5.80E+00	5.69E+00	9.41E+00
7.75E+00	1.58E+00	6.12E-06	2.53E-02	2.50E-01	5.19E-02	5.91E+00	5.80E+00	9.76E+00
8.75E+00	1.01E+00	5.32E-06	2.74E-02	2.58E-01	6.21E-02	3.82E+00	3.72E+00	1.02E+01
9.85E+00	7.55E-01	4.69E-06	2.81E-02	2.63E-01	6.83E-02	2.89E+00	2.78E+00	1.11E+01
1.03E+01	7.56E-01	4.50E-06	2.84E-02	2.66E-01	7.06E-02	2.90E+00	2.78E+00	1.16E+01
1.06E+01	7.79E-01	4.28E-06	2.86E-02	2.68E-01	7.15E-02	2.98E+00	2.87E+00	1.19E+01
1.09E+01	7.94E-01	4.09E-06	2.87E-02	3.03E-01	7.12E-02	3.03E+00	2.92E+00	1.22E+01
1.11E+01	7.95E-01	3.93E-06	2.85E-02	3.18E-01	7.02E-02	3.03E+00	2.93E+00	1.24E+01
1.12E+01	7.96E-01	3.82E-06	2.82E-02	3.31E-01	6.89E-02	3.03E+00	2.93E+00	1.25E+01
1.09E+01	7.58E-01	3.58E-06	2.65E-02	3.59E-01	6.45E-02	2.88E+00	2.79E+00	1.22E+01
1.02E+01	7.38E-01	3.47E-06	2.52E-02	3.68E-01	6.25E-02	2.81E+00	2.72E+00	1.15E+01
1.00E+01	8.86E-01	3.59E-06	2.67E-02	3.59E-01	6.44E-02	3.35E+00	3.26E+00	1.14E+01
1.02E+01	1.35E+00	3.78E-06	2.85E-02	3.18E-01	6.80E-02	5.12E+00	4.99E+00	1.21E+01
1.03E+01	1.30E+00	3.71E-06	2.78E-02	3.27E-01	6.70E-02	4.96E+00	4.80E+00	1.22E+01
1.05E+01	1.25E+00	3.84E-06	2.68E-02	3.36E-01	6.60E-02	4.79E+00	4.61E+00	1.24E+01
1.07E+01	1.21E+00	4.01E-06	2.57E-02	3.43E-01	6.49E-02	4.67E+00	4.47E+00	1.26E+01
1.10E+01	1.20E+00	4.15E-06	2.47E-02	3.50E-01	6.37E-02	4.64E+00	4.42E+00	1.28E+01
1.13E+01	1.21E+00	4.25E-06	2.36E-02	3.57E-01	6.25E-02	4.68E+00	4.45E+00	1.32E+01
1.17E+01	1.18E+00	4.26E-06	2.11E-02	3.67E-01	6.14E-02	4.58E+00	4.35E+00	1.35E+01
1.19E+01	1.17E+00	4.78E-06	1.98E-02	3.70E-01	6.11E-02	4.55E+00	4.32E+00	1.38E+01
1.24E+01	1.16E+00	9.29E-06	1.94E-02	3.73E-01	6.14E-02	4.53E+00	4.28E+00	1.42E+01
1.27E+01	1.21E+00	1.22E-05	1.92E-02	3.73E-01	6.18E-02	4.70E+00	4.45E+00	1.46E+01
1.31E+01	1.38E+00	1.55E-05	1.88E-02	3.72E-01	6.22E-02	5.45E+00	5.09E+00	1.53E+01
1.17E+01	1.28E+00	2.38E-05	1.78E-02	3.58E-01	6.64E-02	4.89E+00	4.71E+00	1.36E+01
1.16E+01	1.52E+00	2.51E-05	1.83E-02	3.67E-01	6.73E-02	5.76E+00	5.60E+00	1.37E+01
1.15E+01	1.53E+00	2.62E-05	1.88E-02	3.76E-01	6.77E-02	5.97E+00	5.64E+00	1.38E+01
1.15E+01	1.71E+00	2.71E-05	1.93E-02	3.85E-01	6.74E-02	6.58E+00	6.28E+00	1.40E+01
1.15E+01	1.63E+00	2.78E-05	1.99E-02	3.94E-01	6.63E-02	6.27E+00	6.00E+00	1.39E+01

5640	481512.51	3851836.62	1.12342	3.50131	1.10747	0.39468	0.87444	0.47831	3.51139	3.50131	1.15E+01	1.58E+00	2.81E-05	2.04E-02	4.03E-01	6.61E-02	6.06E+00	5.80E+00	1.38E+01
5641	481579.42	3851906.48	1.12978	3.41649	1.10627	0.40618	0.89524	0.48401	3.42554	3.41649	1.16E+01	1.54E+00	2.81E-05	2.10E-02	4.13E-01	6.69E-02	5.91E+00	5.66E+00	1.39E+01
5642	481646.32	3851976.34	1.13423	3.3442	1.09235	0.41761	0.91567	0.48985	3.35323	3.3442	1.16E+01	1.51E+00	2.77E-05	2.16E-02	4.22E-01	6.77E-02	5.79E+00	5.54E+00	1.39E+01
5643	481713.22	3852046.2	1.14355	3.26297	1.05582	0.43114	0.93727	0.49529	3.27193	3.26297	1.17E+01	1.47E+00	2.68E-05	2.23E-02	4.32E-01	6.85E-02	5.65E+00	5.41E+00	1.40E+01
5644	481780.12	3852116.06	1.14584	3.23848	1.01908	0.44184	0.95727	0.50152	3.24848	3.23848	1.17E+01	1.46E+00	2.59E-05	2.29E-02	4.41E-01	6.93E-02	5.61E+00	5.37E+00	1.40E+01
5645	481847.03	3852185.92	1.14483	3.20429	0.98156	0.45089	0.97666	0.50747	3.21542	3.20429	1.17E+01	1.44E+00	2.49E-05	2.33E-02	4.50E-01	7.02E-02	5.55E+00	5.31E+00	1.40E+01
5646	481913.93	3852255.78	1.14222	3.12363	0.94534	0.45869	0.99491	0.51284	3.13751	3.12363	1.17E+01	1.41E+00	2.40E-05	2.37E-02	4.58E-01	7.09E-02	5.42E+00	5.18E+00	1.39E+01
5647	481980.83	3852325.65	1.13664	2.98825	0.92325	0.46415	1.01132	0.51713	3.00162	2.98825	1.17E+01	1.34E+00	2.34E-05	2.40E-02	4.66E-01	7.15E-02	5.18E+00	4.95E+00	1.38E+01
5648	482047.73	3852395.51	1.13439	3.02697	0.8793	0.47244	1.03009	0.52172	3.04143	3.02697	1.16E+01	1.36E+00	2.23E-05	2.45E-02	4.75E-01	7.21E-02	5.25E+00	5.02E+00	1.38E+01
5649	482114.64	3852465.37	1.14484	2.94616	0.86134	0.47724	1.04653	0.52473	2.91764	2.94616	1.17E+01	1.33E+00	2.19E-05	2.47E-02	4.82E-01	7.25E-02	5.04E+00	4.88E+00	1.38E+01
5650	482181.54	3852535.23	1.19295	3.09729	0.80833	0.48689	1.0667	0.52972	3.02851	3.09729	1.22E+01	1.39E+00	2.05E-05	2.52E-02	4.92E-01	7.32E-02	5.23E+00	5.13E+00	1.43E+01
5651	482338.69	3852700.04	1.29949	3.30271	0.76519	0.50255	1.10893	0.54594	3.20458	3.30271	1.33E+01	1.49E+00	1.94E-05	2.60E-02	5.11E-01	7.55E-02	5.53E+00	5.47E+00	1.55E+01
5652	482404.05	3852767.78	1.30985	3.43909	0.76733	0.51496	1.12624	0.72336	3.44737	3.43909	1.34E+01	1.55E+00	1.95E-05	2.67E-02	5.19E-01	1.00E-01	5.95E+00	5.70E+00	1.59E+01
5653	482469.4	3852835.52	1.28646	3.56493	0.84418	0.54042	1.14286	0.86363	3.68657	3.56493	1.32E+01	1.60E+00	2.14E-05	2.80E-02	5.27E-01	1.19E-01	6.36E+00	5.91E+00	1.59E+01
5654	482534.75	3852903.25	1.38132	3.39917	1.08664	0.56966	1.16108	0.91485	3.64086	3.39917	1.42E+01	1.53E+00	2.76E-05	2.95E-02	5.35E-01	1.26E-01	6.29E+00	5.63E+00	1.70E+01
5655	482600.11	3852970.99	1.68193	4.1868	1.3139	0.59895	1.17694	0.86875	3.23868	4.1868	1.72E+01	1.88E+00	3.33E-05	3.10E-02	5.42E-01	1.20E-01	5.59E+00	6.94E+00	1.85E+01
5656	482706.71	3853119.28	1.87426	4.92877	1.55222	0.73196	1.18903	0.76873	3.39421	4.92877	1.92E+01	2.22E+00	3.94E-05	3.79E-02	5.48E-01	1.06E-01	5.86E+00	8.17E+00	1.98E+01
5657	482747.96	3853199.84	1.88285	4.20522	1.60596	0.82867	1.16703	0.7756	3.19113	4.20522	1.93E+01	1.89E+00	4.07E-05	4.29E-02	5.38E-01	1.07E-01	5.51E+00	6.97E+00	2.04E+01
5658	482789.21	3853280.4	1.87934	2.84308	1.63324	0.91822	1.13013	0.80801	2.73313	2.84308	1.93E+01	1.28E+00	4.14E-05	4.75E-02	5.21E-01	1.12E-01	4.72E+00	4.71E+00	2.12E+01
5659	482830.46	3853360.96	1.87318	2.38753	1.65876	0.9993	1.08135	0.86346	2.42045	2.38753	1.92E+01	1.07E+00	4.21E-05	5.17E-02	4.98E-01	1.19E-01	4.18E+00	3.96E+00	2.12E+01
5660	482871.71	3853441.52	1.8738	2.25803	2.01485	1.06637	1.02036	0.93365	2.3321	2.25803	1.92E+01	1.02E+00	5.11E-05	5.52E-02	4.70E-01	1.29E-01	4.03E+00	3.74E+00	2.12E+01
5661	482912.95	3853522.07	1.86986	2.11759	2.31621	1.1333	0.95234	1.0399	2.20879	2.11759	1.92E+01	9.53E-01	5.88E-05	5.87E-02	4.39E-01	1.44E-01	3.81E+00	3.51E+00	2.11E+01
5662	482954.2	3853602.63	1.86549	1.94218	2.64633	1.33922	0.94328	1.17668	2.08531	1.94218	1.91E+01	8.74E-01	6.71E-05	6.93E-02	4.35E-01	1.63E-01	3.60E+00	3.22E+00	2.11E+01
5663	482995.45	3853683.19	1.86531	1.8028	2.95512	1.68211	1.12052	1.35205	1.9849	1.8028	1.91E+01	8.11E-01	7.50E-05	8.71E-02	5.16E-01	1.87E-01	3.43E+00	2.99E+00	2.12E+01
5664	483036.7	3853763.75	1.86554	1.65842	3.21917	2.15942	1.31335	1.71463	1.89748	1.65842	1.91E+01	7.46E-01	8.17E-05	1.12E-01	6.05E-01	2.37E-01	3.28E+00	2.75E+00	2.14E+01
5665	483214.2	3853909.91	1.94355	1.38242	3.105	3.57851	1.47989	2.72647	1.54538	1.38242	1.99E+01	6.22E-01	7.88E-05	1.85E-01	6.82E-01	3.77E-01	2.67E+00	2.29E+00	2.22E+01
5666	483307.01	3853910.44	1.97581	1.07678	1.44968	2.6105	1.26597	2.14334	1.17499	1.07678	2.03E+01	4.85E-01	3.68E-05	1.35E-01	5.83E-01	2.96E-01	2.03E+00	1.78E+00	2.20E+01
5667	483399.83	3853910.96	1.97332	0.67392	1.15541	2.04511	1.11581	1.70522	0.85173	0.67392	2.02E+01	3.03E-01	2.93E-05	1.06E-01	5.14E-01	2.36E-01	1.47E+00	1.12E+00	2.17E+01
5668	483494.52	3854009.24	1.64904	0.64318	1.71041	2.28689	1.20028	1.77427	0.85234	0.64318	1.69E+01	2.89E-01	4.34E-05	1.18E-01	5.53E-01	2.45E-01	1.47E+00	1.07E+00	1.85E+01
5669	483496.41	3854106.98	1.7653	0.816	1.82215	3.46294	1.5987	2.16581	1.11619	0.816	1.81E+01	3.67E-01	4.62E-05	1.79E-01	7.37E-01	2.99E-01	1.93E+00	1.35E+00	2.03E+01
5670	483577.56	3854261.96	1.89982	0.88941	1.37994	9.54318	2.07185	3.59878	1.64045	0.88941	1.95E+01	4.00E-01	3.50E-05	4.94E-01	9.55E-01	4.98E-01	2.83E+00	1.47E+00	2.32E+01
5671	483656.83	3854319.19	1.90852	0.71757	2.07199	9.56006	2.1935	3.40903	1.6979	0.71757	1.96E+01	3.23E-01	5.26E-05	4.95E-01	1.01E+00	4.71E-01	2.93E+00	1.19E+00	2.36E+01
5672	483736.1	3854376.41	1.92072	0.5711	2.25242	9.51757	2.25903	3.22995	1.70537	0.5711	1.97E+01	2.57E-01	5.71E-05	4.93E-01	1.04E+00	4.47E-01	2.94E+00	9.46E-01	2.39E+01
5673	483815.36	3854433.64	1.93645	0.48579	1.67344	9.72151	2.30771	3.06744	1.77354	0.48579	1.99E+01	2.19E-01	4.25E-05	5.03E-01	1.06E+00	4.24E-01	3.06E+00	8.05E-01	2.43E+01
5674	483894.63	3854490.87	1.96251	0.39782	2.17349	9.94233	2.33471	2.88451	1.86101	0.39782	2.01E+01	1.79E-01	5.51E-05	5.15E-01	1.08E+00	3.99E-01	3.21E+00	6.59E-01	2.48E+01
5675	483973.9	3854548.09	1.99675	0.36345	2.23267	9.97312	2.34053	2.73537	1.94857	0.36345	2.05E+01	1.64E-01	5.66E-05	5.16E-01	1.08E+00	3.78E-01	3.36E+00	6.02E-01	2.54E+01
5676	484053.17	3854605.32	2.01535	0.33019	2.52638	10.60464	2.35702	2.72456	2.10112	0.33019	2.07E+01	1.49E-01	6.41E-05	5.49E-01	1.09E+00	3.77E-01	3.63E+00	5.47E-01	2.59E+01
5677	484214.97	3854698.15	2.02391	0.31941	1.78224	10.73841	2.2469	2.32687	2.26263	0.31941	2.08E+01	1.44E-01	4.52E-05	5.56E-01	1.04E+00	3.22E-01	3.91E+00	5.29E-01	2.62E+01
5678	484297.5	3854733.74	1.98415	0.34682	1.59521	11.68128	2.16502	2.1895	2.12013	0.34682	2.03E+01	1.56E-01	4.05E-05	6.05E-01	9.98E-01	3.03E-01	3.66E+00	5.75E-01	2.55E+01
5679	484380.03	3854769.34	1.99082	0.35982	1.63433	12.57425	2.01959	2.14051	2.14796	0.35982	2.04E+01	1.62E-01	4.15E-05	6.51E-01	9.31E-01	2.96E-01	3.71E+00	5.96E-01	2.56E+01
5680	484462.56	3854804.94	1.97774	0.36508	1.61995	13.16435	1.91403	2.27281	2.23145	0.36508	2.03E+01	1.64E-01	4.11E-05	6.81E-01	8.82E-01	3.14E-01	3.85E+00	6.05E-01	2.56E+01
5681	484545.09	3854840.53	2.00017	0.35414	1.60026	12.78966	1.75648	2.31843	2.63142	0.35414	2.05E+01	1.59E-01	4.06E-05	6.62E-01	8.09E-01	3.21E-01	4.54E+00	5.87E-01	2.64E+01
5682	484691.88	3854912.58	2.02692	0.39502	2.13494	10.84348	1.87285	2.85019	2.83719	0.39502	2.08E+01	1.78E-01	5.42E-05	5.61E-01	8.63E-01	3.94E-01	4.90E+00	6.55E-01	2.70E+01
5683	484830.81	3855012.51	2.08685	0.40836	1.23105	11.09429	2.08499	3.12721	2.76374	0.40836	2.14E+01	1.84E-01	3.12E-05	5.74E-01	9.61E-01	4.32E-01	4.77E+00	6.77E-01	2.76E+01
5684	484905.48	3855075.97	2.07987	0.42143	1.48147	10.7669	2.15536	2.925	2.71966	0.42143	2.13E+01	1.90E-01	3.76E-05	5.57E-01	9.93E-01	4.04E-01	4.70E+00	6.98E-01	2.75E+01
5685	484980.14	3855139.44	2.07956	0.42156	1.70058	10.96159	2.34108	2.88577	2.584	0.42156	2.13E+01	1.90E-01	4.31E-05	5.67E-01	1.08E+00	3.99E-01	4.46E+00	6.98E-01	2.73E+01
5686	485054.81	3855202.91	2.09251	0.4152	1.56537	11.3751	2.5422	2.91727	2.52913	0.4152	2.15E+01	1.87E-01	3.97E-05	5.89E-01	1.17E+00	4.03E-01	4.37E+00	6.88E-01	2.75E+01
5687	485129.48	3855266.37	2.12762	0.40258	1.61701	11.34638	2.71107	2.97188	2.51554	0.40258	2.18E+01	1.81E-01	4.10E-05	5.87E-01	1.25E+00	4.11E-01	4.34E+00	6.67E-01	2.79E+01
5688	485204.15	3855329.84	2.1185	0.40143	1.6939	11.68565	2.97838	2.96164	2.47632	0.40143	2.17E+01	1.81E-01	4.30E-05	6.05E-01	1.37E+00	4.09E-01	4.28E+00	6.65E-01	2.79E+01
5689	485278.82	3855393.31	2.1312	0.39528	1.78961	11.54056	3.21549	2.97463	2.45029	0.39528	2.19E+01	1.78E-01	4.54E-05	5.97E-01	1.48E+00	4.11E-01	4.23E+00	6.55E-01	2.81E+01
5690	485353.48	3855456.77	2.13194	0.39146	1.84292	11.36957	3.48987	2.95249	2.4186	0.39146	2.19E+01	1.76E-01	4.68E-05	5.89E-01	1.61E+00	4.08E-01	4.18E+00	6.49E-01	2.82E+01
5691	485428.15	3855520.24	2.14358	0.38565	1.78254	11.41934	3.75847	2.952	2.3841	0.38565	2.20E+01	1.74E-01	4.52E-05	5.91E-01	1.73E+00	4.08E-01	4.12E+00	6.39E-01	2.84E+01
5692	485502.82	3855583.71	2.15163	0.38068	2.08543	11.8613	4.04985	2.93581	2.34193	0.38068	2.21E+01	1.71E-01	5.29E-05	6.14E-01	1.87E+00	4.06E-01	4.04E+00	6.31E-01	2.85E+01
5693	485577.49	3855647.17	2.14377	0.37858	2.03283	10.75005	4.38354	2.90439	2.29098	0.37858	2.20E+01	1.70E-01	5.16E-05	5.56E-01	2.02E+00	4.02E-01	3.96E+00	6.27E-01	2.85E+01
5694	485652.16	3855710.64	2.13599	0.37613	2.66438	11.41316	4.65307	2.82627	2.23652	0.37613	2.19E+01	1.69E-01	6.76E-05	5.91E-01	2.14E+00	3.91E-01	3.86E+00	6.23E-01	2.84E+01
5695	485726.83	3855774.1	2.141	0.37224	3.83769	11.0112	4.98369	2.84523	2.19393	0.37224	2.20E+01	1.68E-01	9.74E-05	5.70E-01	2.30E+00	3.93E-01	3.79E+00	6.17E-01	2.86E+01
5696	485801.49	3855837.57	2.1524	0.36836	3.55858	11.73561	5.33198	2.86543	2.15878	0.36836	2.21E+01	1.66E-01	9.03E-05	6.08E-01	2.46E+00	3.96E-01	3.73E+00	6.10E-01	2.88E+01

5697	485876.16	3855901.04	2.15694	0.36979	3.73601	10.44516	5.71215	2.85494	2.1115	0.36979
5698	485950.83	3855964.5	2.16501	0.3718	2.91842	11.52835	6.11364	2.8442	2.06278	0.3718
5699	486025.5	3856027.97	2.18017	0.37006	2.90745	10.35086	6.68665	2.81125	2.0059	0.37006
5700	486100.17	3856091.44	2.16087	0.3818	3.23381	10.96979	7.02984	2.79439	1.97509	0.3818
5701	486174.83	3856154.9	2.1769	0.37664	1.88014	10.006	7.50553	2.76973	1.92701	0.37664
5702	486249.5	3856218.37	2.21679	0.35907	1.52718	10.523	8.03605	2.61964	1.81191	0.35907
5703	486324.17	3856281.84	2.25345	0.34123	1.40849	9.35784	8.28155	2.54022	1.73451	0.34123
5704	486398.84	3856345.3	2.24697	0.34508	1.55352	10.08392	8.89212	2.63408	1.71451	0.34508
5705	486473.51	3856408.77	2.25304	0.3427	1.39599	8.85497	9.41888	2.6581	1.72566	0.3427
5706	486548.17	3856472.24	2.24686	0.34701	1.50091	9.66126	10.1463	2.63746	1.74366	0.34701
5707	486622.84	3856535.7	2.24195	0.35163	1.55985	10.64023	10.952	2.55052	1.71375	0.35163
5708	486765.48	3856659.69	2.23534	0.36557	1.36315	9.22944	13.0141	2.42411	1.64569	0.36557
5709	486833.44	3856720.2	2.24199	0.37031	1.27083	9.9133	13.9989	2.42579	1.60976	0.37031
5710	486901.41	3856780.72	2.24535	0.37762	1.36597	9.61101	15.1414	2.40985	1.56234	0.37762
5711	486969.38	3856841.24	2.25154	0.3832	1.25333	9.33257	16.7954	2.41376	1.52164	0.3832
5712	487037.34	3856901.75	2.25678	0.3884	2.42839	9.05405	29.7344	2.42119	1.48638	0.3884
5713	487271.23	3856855.51	1.88584	0.37948	1.74767	2.60386	24.9352	1.40082	1.0965	0.37948
5714	487368.95	3856857.29	1.78739	0.38005	1.07488	2.14289	26.1753	1.26552	0.99521	0.38005
5715	487466.68	3856859.06	1.69429	0.38225	1.00595	1.78442	25.1682	1.15645	0.90149	0.38225
5716	487636.44	3856930	1.59751	0.38596	1.0066	1.51938	26.7992	1.20826	0.8223	0.38596
5717	487709.57	3856928.43	1.53249	0.3927	0.94583	1.32523	28.8884	1.2725	0.76772	0.3927
5718	487782.55	3856841.96	1.42457	0.39826	1.20834	1.11966	33.6063	1.28009	0.66792	0.39826
5719	487849.83	3856754.74	1.3316	0.4067	1.15879	0.97477	37.3741	1.15247	0.60097	0.4067
5720	487918.03	3856819.39	1.31102	0.41377	1.2038	0.99453	25.0066	1.1144	0.60103	0.41377
5721	487918.8	3856886.37	1.34324	0.41335	1.14875	1.04904	26.6904	1.202	0.62668	0.41335
5722	488065.46	3857127.5	1.35478	0.4079	1.29006	1.3009	26.7625	1.00572	0.6796	0.4079
5723	488192.19	3857385.83	1.32851	0.44507	2.29234	1.69347	26.5004	1.72535	0.75322	0.44507
5724	488191.21	3857473.87	1.35511	0.46766	2.26784	1.80342	26.9162	1.70398	0.80539	0.46766
5725	488190.24	3857561.9	1.39018	0.49203	2.96573	1.93095	26.838	1.55668	0.85715	0.49203
5726	488158.35	3857691.13	1.51814	0.53895	2.96869	2.46256	31.4247	2.18549	0.96366	0.53895
5727	488208.37	3857816.66	1.59666	0.60913	5.37546	3.02252	28.3551	2.39652	1.02782	0.60913
5728	488271.97	3857874.6	1.5823	0.63874	5.37983	3.13476	24.7102	2.45471	1.02413	0.63874
5729	488463.56	3857942.31	1.45761	0.65308	4.07897	2.96574	13.7997	2.03575	0.93141	0.65308
5730	488554.83	3857940.83	1.40997	0.6156	3.68758	2.93126	11.0808	1.88559	0.87463	0.6156
5731	488646.1	3857939.36	1.37347	0.58533	3.32826	2.95794	11.9953	1.76037	0.82609	0.58533
5732	488737.37	3857937.88	1.36745	0.56445	2.99991	3.02666	12.3488	1.65787	0.78258	0.56445
5733	488733.59	3857960.57	1.39299	0.58248	3.03568	3.05723	11.7641	1.66067	0.79717	0.58248
5734	488638.09	3857961.57	1.39788	0.6054	3.16793	2.9986	11.1393	1.77319	0.84413	0.6054
5735	488542.6	3857962.56	1.43918	0.63439	3.35806	2.99492	9.86098	1.91268	0.89698	0.63439
5736	488447.1	3857963.56	1.49323	0.67485	3.72972	3.07782	15.3593	2.09178	0.96099	0.67485
5737	488254.28	3857890.36	1.65974	0.65403	5.48894	3.40537	25.57	2.51475	1.05928	0.65403
5738	488191.69	3857833.06	1.64741	0.62211	5.44294	3.40266	29.0603	2.50841	1.06472	0.62211
5739	488129.5	3857907.43	2.09198	0.68829	6.11809	9.70603	28.9861	3.99895	1.27358	0.68829
5740	488196.47	3857968.73	2.11408	0.71995	5.22649	9.75529	26.205	4.2831	1.27403	0.71995
5741	488263.44	3858030.04	2.13656	0.74582	5.40366	9.69477	23.8362	4.27837	1.27957	0.74582
5742	488400.64	3858132.9	2.07973	0.79089	2.54419	6.81162	19.7094	3.62764	1.23697	0.79089
5743	488519.89	3858218.38	2.02738	0.85942	2.96856	5.40189	15.8267	3.32595	1.18895	0.85942
5744	488647.97	3858214.99	1.76387	0.80386	2.54562	4.08632	10.516	2.43048	1.02622	0.80386
5745	488727.05	3858167.67	1.6522	0.73965	2.19949	3.62342	7.44334	2.04945	0.92796	0.73965
5746	488806.12	3858120.35	1.50727	0.6815	2.53959	3.46419	7.51557	1.84662	0.85484	0.6815
5747	488885.2	3858073.03	1.41549	0.6264	3.34854	3.47238	9.4959	1.69201	0.79151	0.6264
5748	489055.76	3857991.17	1.2768	0.53343	3.23814	3.53539	10.7853	1.4074	0.67291	0.53343
5749	489245.39	3857944.54	1.25711	0.48014	2.49416	2.00909	9.39479	1.22296	0.57462	0.48014
5750	489430.63	3857930.91	1.17848	0.4432	2.67498	1.77149	7.81187	1.11173	0.50892	0.4432
5751	489517.74	3857929.36	1.10523	0.4272	3.19	1.7597	7.18325	1.06642	0.484	0.4272
5752	489604.85	3857927.82	1.07542	0.41245	2.21143	2.55208	6.59286	1.02767	0.46122	0.41245
5753	489691.97	3857926.28	1.08976	0.40517	2.28884	2.10874	5.97327	0.99488	0.44115	0.40517

2.21E+01	1.66E-01	9.48E-05	5.41E-01	2.63E+00	3.95E-01	3.65E+00	6.13E-01	2.89E+01
2.22E+01	1.67E-01	7.40E-05	5.97E-01	2.82E+00	3.93E-01	3.56E+00	6.16E-01	2.91E+01
2.24E+01	1.67E-01	7.38E-05	5.36E-01	3.08E+00	3.89E-01	3.46E+00	6.13E-01	2.94E+01
2.22E+01	1.72E-01	8.20E-05	5.68E-01	3.24E+00	3.86E-01	3.41E+00	6.33E-01	2.93E+01
2.23E+01	1.70E-01	4.77E-05	5.18E-01	3.46E+00	3.83E-01	3.33E+00	6.24E-01	2.96E+01
2.27E+01	1.62E-01	3.87E-05	5.45E-01	3.70E+00	3.62E-01	3.13E+00	5.95E-01	3.00E+01
2.31E+01	1.54E-01	3.57E-05	4.84E-01	3.82E+00	3.51E-01	2.99E+00	5.65E-01	3.03E+01
2.30E+01	1.55E-01	3.94E-05	5.22E-01	4.10E+00	3.64E-01	2.96E+00	5.72E-01	3.06E+01
2.31E+01	1.54E-01	3.54E-05	4.58E-01	4.34E+00	3.67E-01	2.98E+00	5.68E-01	3.08E+01
2.30E+01	1.56E-01	3.81E-05	5.00E-01	4.68E+00	3.65E-01	3.01E+00	5.75E-01	3.12E+01
2.30E+01	1.58E-01	3.96E-05	5.51E-01	5.05E+00	3.53E-01	2.96E+00	5.83E-01	3.15E+01
2.29E+01	1.65E-01	3.46E-05	4.78E-01	6.00E+00	3.35E-01	2.84E+00	6.06E-01	3.21E+01
2.30E+01	1.67E-01	3.22E-05	5.13E-01	6.45E+00	3.35E-01	2.78E+00	6.14E-01	3.26E+01
2.30E+01	1.70E-01	3.47E-05	4.98E-01	6.98E+00	3.33E-01	2.70E+00	6.26E-01	3.31E+01
2.31E+01	1.72E-01	3.18E-05	4.83E-01	7.74E+00	3.34E-01	2.63E+00	6.35E-01	3.38E+01
2.31E+01	1.75E-01	6.16E-05	4.69E-01	1.37E+01	3.35E-01	2.57E+00	6.44E-01	3.97E+01
1.93E+01	1.71E-01	4.43E-05	1.35E-01	1.15E+01	1.94E-01	1.89E+00	6.29E-01	3.26E+01
1.83E+01	1.71E-01	2.73E-05	1.11E-01	1.21E+01	1.75E-01	1.72E+00	6.30E-01	3.19E+01
1.74E+01	1.72E-01	2.55E-05	9.24E-02	1.16E+01	1.60E-01	1.56E+00	6.33E-01	3.03E+01
1.64E+01	1.74E-01	2.55E-05	7.87E-02	1.24E+01	1.67E-01	1.42E+00	6.40E-01	2.99E+01
1.57E+01	1.77E-01	2.40E-05	6.86E-02	1.33E+01	1.76E-01	1.33E+00	6.51E-01	3.01E+01
1.46E+01	1.79E-01	3.07E-05	5.80E-02	1.55E+01	1.77E-01	1.15E+00	6.60E-01	3.10E+01
1.37E+01	1.83E-01	2.94E-05	5.05E-02	1.72E+01	1.59E-01	1.04E+00	6.74E-01	3.16E+01
1.34E+01	1.86E-01	3.05E-05	5.15E-02	1.15E+01	1.54E-01	1.04E+00	6.86E-01	2.57E+01
1.38E+01	1.86E-01	2.91E-05	5.43E-02	1.23E+01	1.66E-01	1.08E+00	6.85E-01	2.69E+01
1.39E+01	1.84E-01	3.27E-05	6.73E-02	1.23E+01	1.39E-01	1.17E+00	6.76E-01	2.71E+01
1.36E+01	2.00E-01	5.82E-05	8.77E-02	1.22E+01	2.39E-01	1.30E+00	7.37E-01	2.69E+01
1.39E+01	2.10E-01	5.75E-05	9.34E-02	1.24E+01	2.36E-01	1.39E+00	7.75E-01	2.75E+01
1.43E+01	2.21E-01	7.52E-05	1.00E-01	1.24E+01	2.15E-01	1.48E+00	8.15E-01	2.78E+01
1.56E+01	2.43E-01	7.53E-05	1.27E-01	1.45E+01	3.02E-01	1.66E+00	8.93E-01	3.15E+01
1.64E+01	2.74E-01	1.36E-04	1.56E-01	1.31E+01	3.31E-01	1.77E+00	1.01E+00	3.10E+01
1.62E+01	2.87E-01	1.36E-04	1.62E-01	1.14E+01	3.39E-01	1.77E+00	1.06E+00	2.91E+01
1.49E+01	2.94E-01	1.03E-04	1.54E-01	6.36E+00	2.81E-01	1.61E+00	1.08E+00	2.26E+01
1.45E+01	2.77E-01	9.35E-05	1.52E-01	5.11E+00	2.61E-01	1.51E+00	1.02E+00	2.07E+01
1.41E+01	2.63E-01	8.44E-05	1.53E-01	5.53E+00	2.43E-01	1.43E+00	9.70E-01	2.07E+01
1.40E+01	2.54E-01	7.61E-05	1.57E-01	5.69E+00	2.29E-01	1.35E+00	9.35E-01	2.08E+01
1.43E+01	2.62E-01	7.70E-05	1.58E-01	5.42E+00	2.30E-01	1.38E+00	9.65E-01	2.08E+01
1.43E+01	2.72E-01	8.04E-05	1.55E-01	5.13E+00	2.45E-01	1.46E+00	1.00E+00	2.06E+01
1.48E+01	2.86E-01	8.52E-05	1.55E-01	4.54E+00	2.64E-01	1.55E+00	1.05E+00	2.05E+01
1.53E+01	3.04E-01	9.46E-05	1.59E-01	7.08E+00	2.89E-01	1.66E+00	1.12E+00	2.37E+01
1.70E+01	2.94E-01	1.39E-04	1.76E-01	1.18E+01	3.48E-01	1.83E+00	1.08E+00	3.04E+01
1.69E+01	2.80E-01	1.38E-04	1.76E-01	1.34E+01	3.47E-01	1.84E+00	1.03E+00	3.19E+01
2.15E+01	3.10E-01	1.55E-04	5.02E-01	1.34E+01	5.53E-01	2.20E+00	1.14E+00	3.72E+01
2.17E+01	3.24E-01	1.33E-04	5.05E-01	1.21E+01	5.92E-01	2.20E+00	1.19E+00	3.62E+01
2.19E+01	3.36E-01	1.37E-04	5.02E-01	1.10E+01	5.91E-01	2.21E+00	1.24E+00	3.53E+01
2.13E+01	3.56E-01	6.45E-05	3.53E-01	9.08E+00	5.02E-01	2.14E+00	1.31E+00	3.24E+01
2.08E+01	3.87E-01	7.53E-05	2.80E-01	7.29E+00	4.60E-01	2.05E+00	1.42E+00	2.98E+01
1.81E+01	3.62E-01	6.46E-05	2.12E-01	4.85E+00	3.36E-01	1.77E+00	1.33E+00	2.43E+01
1.69E+01	3.33E-01	5.58E-05	1.88E-01	3.43E+00	2.83E-01	1.60E+00	1.23E+00	2.16E+01
1.55E+01	3.07E-01	6.44E-05	1.79E-01	3.46E+00	2.55E-01	1.48E+00	1.13E+00	2.00E+01
1.45E+01	2.82E-01	8.49E-05	1.80E-01	4.38E+00	2.34E-01	1.37E+00	1.04E+00	1.99E+01
1.31E+01	2.40E-01	8.21E-05	1.83E-01	4.97E+00	1.95E-01	1.16E+00	8.84E-01	1.90E+01
1.29E+01	2.16E-01	6.33E-05	1.04E-01	4.33E+00	1.69E-01	9.92E-01	7.96E-01	1.79E+01
1.21E+01	1.99E-01	6.79E-05	9.17E-02	3.60E+00	1.54E-01	8.79E-01	7.34E-01	1.63E+01
1.13E+01	1.92E-01	8.09E-05	9.11E-02	3.31E+00	1.47E-01	8.36E-01	7.08E-01	1.52E+01
1.10E+01	1.86E-01	5.61E-05	1.32E-01	3.04E+00	1.42E-01	7.96E-01	6.83E-01	1.46E+01
1.12E+01	1.82E-01	5.81E-05	1.09E-01	2.75E+00	1.38E-01	7.62E-01	6.71E-01	1.44E+01

5754	489779.08	3857924.73	1.09179	0.397	1.97282	1.65067	6.13395	0.95725	0.4227	0.397	1.12E+01	1.79E-01	5.00E-05	8.54E-02	2.83E+00	1.32E-01	7.30E-01	6.58E-01	1.45E+01
5755	490017.55	3857875.08	0.93845	0.36018	1.46587	1.98035	6.60339	0.86146	0.37173	0.36018	9.62E+00	1.62E-01	3.72E-05	1.03E-01	3.04E+00	1.19E-01	6.42E-01	5.97E-01	1.31E+01
5756	490033.82	3857960.81	1.00964	0.37988	2.01256	1.90188	6.00898	0.86815	0.38496	0.37988	1.04E+01	1.71E-01	5.11E-05	9.85E-02	2.77E+00	1.20E-01	6.65E-01	6.29E-01	1.35E+01
5757	489959.15	3857987.49	1.0513	0.39603	2.14686	2.19689	5.60982	0.90822	0.40344	0.39603	1.08E+01	1.78E-01	5.45E-05	1.14E-01	2.59E+00	1.26E-01	6.97E-01	6.56E-01	1.38E+01
5758	489791.49	3858016.12	1.07231	0.41728	2.28331	2.40381	6.12758	0.94875	0.44457	0.41728	1.10E+01	1.88E-01	5.79E-05	1.24E-01	2.82E+00	1.31E-01	7.68E-01	6.91E-01	1.43E+01
5759	489698.51	3858018.07	1.08733	0.42635	2.42626	1.93727	6.64352	0.99373	0.46672	0.42635	1.11E+01	1.92E-01	6.15E-05	1.00E-01	3.06E+00	1.37E-01	8.06E-01	7.06E-01	1.47E+01
5760	489605.52	3858020.01	1.09948	0.4419	2.50445	2.72284	7.16073	1.04196	0.49072	0.4419	1.13E+01	1.99E-01	6.35E-05	1.41E-01	3.30E+00	1.44E-01	8.47E-01	7.32E-01	1.52E+01
5761	489512.53	3858021.96	1.10668	0.46234	3.25674	2.33321	7.70632	1.08585	0.5169	0.46234	1.13E+01	2.08E-01	8.26E-05	1.21E-01	3.55E+00	1.50E-01	8.92E-01	7.66E-01	1.55E+01
5762	489419.55	3858023.91	1.12743	0.48275	2.76062	1.99745	8.28123	1.17507	0.54588	0.48275	1.16E+01	2.17E-01	7.00E-05	1.03E-01	3.82E+00	1.62E-01	9.42E-01	8.00E-01	1.60E+01
5763	489228.47	3858041.29	1.17914	0.52295	2.98228	2.43444	9.70104	1.33729	0.61907	0.52295	1.21E+01	2.35E-01	7.57E-05	1.26E-01	4.47E+00	1.85E-01	1.07E+00	8.66E-01	1.73E+01
5764	489065.75	3858085.78	1.30625	0.58317	2.8147	3.84905	9.78647	1.56445	0.70785	0.58317	1.34E+01	2.62E-01	7.14E-05	1.99E-01	4.51E+00	2.16E-01	1.22E+00	9.66E-01	1.88E+01
5765	489001.12	3858114.86	1.37179	0.61765	2.40466	3.85531	9.16026	1.68027	0.75277	0.61765	1.41E+01	2.78E-01	6.10E-05	2.00E-01	4.22E+00	2.32E-01	1.30E+00	1.02E+00	1.93E+01
5766	488861.89	3858189.81	1.47501	0.69534	2.05405	3.68313	6.31484	1.95079	0.85079	0.69534	1.51E+01	3.13E-01	5.21E-05	1.91E-01	2.91E+00	2.70E-01	1.47E+00	1.15E+00	1.91E+01
5767	488787.29	3858235.69	1.55659	0.75884	2.30151	3.83118	7.04013	2.1409	0.93287	0.75884	1.60E+01	3.42E-01	5.84E-05	1.98E-01	3.24E+00	2.96E-01	1.61E+00	1.26E+00	2.04E+01
5768	488712.68	3858281.57	1.79798	0.81712	2.43793	4.28425	9.28838	2.58138	1.03371	0.81712	1.84E+01	3.68E-01	6.18E-05	2.22E-01	4.28E+00	3.57E-01	1.78E+00	1.35E+00	2.41E+01
5769	488654.39	3858436.17	2.2726	1.10065	2.14074	8.48429	13.4513	5.24	1.41721	1.10065	2.33E+01	4.95E-01	5.43E-05	4.39E-01	6.20E+00	7.24E-01	2.45E+00	1.82E+00	3.18E+01
5770	488726.3	3858505.26	2.16384	1.16334	1.99306	7.95054	12.1072	4.69174	1.42699	1.16334	2.22E+01	5.24E-01	5.06E-05	4.12E-01	5.58E+00	6.49E-01	2.46E+00	1.93E+00	2.99E+01
5771	488880.6	3858599.28	2.11617	1.18056	1.89958	9.68192	8.90781	4.49484	1.30542	1.18056	2.17E+01	5.31E-01	4.82E-05	5.01E-01	4.11E+00	6.21E-01	2.25E+00	1.96E+00	2.78E+01
5772	489008.06	3858714.75	2.02521	1.24435	1.96741	9.95114	7.41278	4.37011	1.30202	1.24435	2.08E+01	5.60E-01	4.99E-05	5.15E-01	3.42E+00	6.04E-01	2.25E+00	2.06E+00	2.60E+01
5773	489071.48	3858772.72	1.95038	1.29739	2.15918	9.70259	7.07563	4.31035	1.30078	1.29739	2.00E+01	5.84E-01	5.48E-05	5.02E-01	3.26E+00	5.96E-01	2.25E+00	2.15E+00	2.50E+01
5774	489244.59	3858920.19	1.77781	1.43161	2.62265	11.89268	6.13294	3.98117	1.40662	1.43161	1.82E+01	6.44E-01	6.65E-05	6.16E-01	2.83E+00	5.50E-01	2.43E+00	2.37E+00	2.29E+01
5775	489239.69	3858952.23	1.78023	1.62662	3.15295	10.87376	6.28432	5.93331	1.54984	1.62662	1.83E+01	7.32E-01	8.00E-05	5.63E-01	2.90E+00	8.20E-01	2.68E+00	2.70E+00	2.32E+01
5776	489121.67	3858854.49	1.88849	1.44398	2.89665	12.23793	6.87473	5.05636	1.47468	1.44398	1.94E+01	6.50E-01	7.35E-05	6.34E-01	3.17E+00	6.99E-01	2.55E+00	2.39E+00	2.47E+01
5777	489059.59	3858797.27	1.96098	1.36995	2.66764	10.79655	7.17977	4.51863	1.40133	1.36995	2.01E+01	6.17E-01	6.77E-05	5.59E-01	3.31E+00	6.25E-01	2.42E+00	2.27E+00	2.54E+01
5778	488997.52	3858740.04	2.04315	1.31344	2.45465	11.21025	7.69537	4.81719	1.3866	1.31344	2.10E+01	5.91E-01	6.23E-05	5.80E-01	3.55E+00	6.66E-01	2.39E+00	2.18E+00	2.66E+01
5779	488935.44	3858682.82	2.12801	1.25992	2.26614	10.43973	8.53202	5.24035	1.38694	1.25992	2.18E+01	5.67E-01	5.75E-05	5.40E-01	3.93E+00	7.24E-01	2.39E+00	2.09E+00	2.79E+01
5780	488869.17	3858848.43	2.13792	2.5624	2.4335	4.35443	11.1328	2.05613	3.28817	2.5624	2.19E+01	1.15E+00	6.17E-05	2.25E-01	5.13E+00	2.84E-01	5.68E+00	4.25E+00	3.01E+01
5781	488932.48	3858892.69	2.09544	2.71174	2.46519	4.2494	10.3614	1.93086	3.38539	2.71174	2.15E+01	1.22E+00	6.25E-05	2.20E-01	4.77E+00	2.67E-01	5.84E+00	4.49E+00	2.93E+01
5782	489063.27	3858977.17	2.05141	2.94254	2.60231	4.49248	8.67292	1.70416	3.23942	2.94254	2.10E+01	1.32E+00	6.60E-05	2.33E-01	4.00E+00	2.36E-01	5.59E+00	4.88E+00	2.75E+01
5783	489248.2	3859117.15	2.01931	4.01586	4.05446	4.56025	6.46435	1.83655	4.06267	4.01586	2.07E+01	1.81E+00	1.03E-04	2.36E-01	2.98E+00	2.54E-01	7.01E+00	6.65E+00	2.63E+01
5784	489296.25	3859049.22	1.78115	2.18623	4.10458	5.98456	6.11398	2.77606	2.06044	2.18623	1.83E+01	9.84E-01	1.04E-04	3.10E-01	2.82E+00	3.84E-01	3.56E+00	3.62E+00	2.27E+01
5785	489353.38	3858993.96	1.70831	1.4998	2.22877	9.74218	5.45529	4.0531	1.4032	1.4998	1.75E+01	6.75E-01	5.65E-05	5.04E-01	2.51E+00	5.60E-01	2.42E+00	2.49E+00	2.17E+01
5786	489537.24	3859120.22	1.71304	1.69243	3.41212	10.43088	4.36738	4.59281	1.5551	1.69243	1.76E+01	7.62E-01	8.66E-05	5.40E-01	2.01E+00	6.35E-01	2.68E+00	2.80E+00	2.14E+01
5787	489726.98	3859246.04	1.72693	1.92537	11.93693	11.07312	3.30684	4.69917	1.84687	1.92537	1.77E+01	8.67E-01	3.03E-04	5.73E-01	1.52E+00	6.50E-01	3.19E+00	3.19E+00	2.13E+01
5788	489911.46	3859366.33	1.72485	2.17754	15.71965	11.10904	2.54991	4.66485	2.15797	2.17754	1.77E+01	9.80E-01	3.99E-04	5.75E-01	1.18E+00	6.45E-01	3.73E+00	3.61E+00	2.12E+01
5789	490035.3	3859430.26	1.6721	2.19381	11.73498	10.13937	2.48872	4.60098	2.20086	2.19381	1.71E+01	9.87E-01	2.98E-04	5.25E-01	1.15E+00	6.36E-01	3.80E+00	3.64E+00	2.06E+01
5790	490101.11	3859458.61	1.63173	2.12628	8.73936	10.01607	2.45049	4.42219	2.14052	2.12628	1.67E+01	9.57E-01	2.22E-04	5.18E-01	1.13E+00	6.11E-01	3.70E+00	3.52E+00	2.01E+01
5791	490312.68	3859560.3	1.5471	2.02693	5.995	10.28757	2.32672	3.83031	2.06108	2.02693	1.59E+01	9.12E-01	1.52E-04	5.33E-01	1.07E+00	5.30E-01	3.56E+00	3.36E+00	1.91E+01
5792	490401.63	3859603.12	1.52681	2.00411	5.31486	10.0971	2.3032	3.5992	2.03691	2.00411	1.57E+01	9.02E-01	1.35E-04	5.23E-01	1.06E+00	4.98E-01	3.52E+00	3.32E+00	1.88E+01
5793	490490.57	3859645.94	1.51229	2.01171	4.50621	9.80256	2.26245	3.49227	2.04366	2.01171	1.55E+01	9.05E-01	1.14E-04	5.07E-01	1.04E+00	4.83E-01	3.53E+00	3.33E+00	1.86E+01
5794	490579.51	3859688.76	1.50053	2.01327	3.74819	9.52274	2.2102	3.43322	2.04518	2.01327	1.54E+01	9.06E-01	9.51E-05	4.93E-01	1.02E+00	4.75E-01	3.53E+00	3.34E+00	1.85E+01
5795	490668.45	3859731.58	1.4926	1.87552	3.0884	9.20262	2.15327	3.36006	1.90524	1.87552	1.53E+01	8.44E-01	7.83E-05	4.76E-01	9.92E-01	4.65E-01	3.29E+00	3.11E+00	1.83E+01
5796	490757.4	3859774.4	1.47463	2.01103	2.63009	8.79927	2.05497	3.39614	2.0393	2.01103	1.51E+01	9.05E-01	6.67E-05	4.56E-01	9.47E-01	4.70E-01	3.52E+00	3.33E+00	1.81E+01
5797	491003.53	3859861.82	1.29019	1.94261	2.36889	8.2211	1.70579	3.16116	1.94626	1.94261	1.32E+01	8.74E-01	6.01E-05	4.26E-01	7.86E-01	4.37E-01	3.36E+00	3.22E+00	1.59E+01
5798	491081.41	3859879.05	1.21578	1.82305	2.30752	9.12079	1.55132	3.18273	1.85635	1.82305	1.25E+01	8.20E-01	5.85E-05	4.72E-01	7.15E-01	4.40E-01	3.21E+00	3.02E+00	1.51E+01
5799	491229.76	3859917.82	1.12153	1.66229	2.14299	10.38893	1.73013	3.3334	1.66585	1.66229	1.15E+01	7.48E-01	5.44E-05	5.38E-01	7.97E-01	4.61E-01	2.88E+00	2.75E+00	1.42E+01
5800	491300.22	3859939.35	1.09062	1.62924	2.00463	10.57963	1.80461	3.5453	1.64399	1.62924	1.12E+01	7.33E-01	5.09E-05	5.48E-01	8.32E-01	4.90E-01	2.84E+00	2.70E+00	1.39E+01
5801	491350.48	3860012.03	1.3864	2.13833	1.7976	6.86695	1.58859	5.13831	2.13428	2.13833	1.42E+01	9.62E-01	4.56E-05	3.55E-01	7.32E-01	7.10E-01	3.68E+00	3.54E+00	1.71E+01
5802	491406.82	3860092.56	1.51104	2.34885	1.84695	4.30213	1.38502	2.96638	2.32698	2.34885	1.55E+01	1.06E+00	4.69E-05	2.23E-01	6.38E-01	4.10E-01	4.02E+00	3.89E+00	1.79E+01
5803	491483.36	3860121.96	1.41103	2.12394	1.81421	4.09956	1.45484	2.9112	2.11275	2.12394	1.45E+01	9.56E-01	4.60E-05	2.12E-01	6.70E-01	4.02E-01	3.65E+00	3.52E+00	1.68E+01
5804	491559.91	3860151.35	1.3283	1.94492	1.76994	3.71095	1.51588	2.84185	1.92445	1.94492	1.36E+01	8.75E-01	4.49E-05	1.92E-01	6.99E-01	3.93E-01	3.32E+00	3.22E+00	1.59E+01
5805	491711.81	3860237.76	1.35428	1.62678	1.96367	3.20351	1.61156	2.54066	1.68638	1.62678	1.39E+01	7.32E-01	4.98E-05	1.66E-01	7.43E-01	3.51E-01	2.91E+00	2.70E+00	1.61E+01
5806	491755.2	3860319.07	1.55427	1.76731	1.58352	2.21384	1.31358	1.85276	1.83746	1.76731	1.59E+01	7.95E-01	4.02E-05	1.15E-01	6.05E-01	2.56E-01	3.17E+00	2.93E+00	1.80E+01
5807	491704.71	3860366.54	1.58794	2.24789	1.85902	1.95577	1.14695	1.67564	2.39501	2.24789	1.63E+01	1.01E+00	4.72E-05	1.01E-01	5.29E-01	2.32E-01	4.14E+00	3.72E+00	1.86E+01
5808	491623.42	3860462.39	1.23257	2.82788	2.19757	1.47817	1.39829	1.28934	2.56218	2.82788	1.26E+01	1.27E+00	5.57E-05	7.65E-02	6.44E-01	1.78E-01	4.42E+00	4.69E+00	1.45E+01
5809	491534.02	3860439.84	1.18271	1.55802	2.7007	1.53475	1.57224	1.3488	1.54485	1.55802	1.21E+01	7.01E-01	6.85E-05	7.94E-02	7.25E-01	1.86E-01	2.67E+00	2.58E+00	1.39E+01
5810	491313.95	3860268.17	1.34605	1.9594	2.26401	1.7133	1.58087	1.51609	1.77277	1.9594	1.38E+01	8.82E-01	5.74E-05	8.87E-02	7.29E-01	2.10E-01	3.06E+00	3.25E+00	1.55E+01

5811	491187.12	3860143.56	1.44506	2.50632	2.21275	2.73709	1.66875	1.97618	2.45494	2.50632
5812	491070.43	3860075.97	1.53904	2.79132	2.25104	3.04568	1.7738	2.13049	2.53132	2.79132
5813	490995.09	3860039.38	1.55723	2.88221	2.29666	3.05131	1.83314	2.1435	2.66327	2.88221
5814	490919.75	3860002.8	1.54617	3.06846	2.36033	3.06514	1.88661	2.26218	2.79579	3.06846
5815	490756.81	3859894.53	1.66296	5.04355	2.33321	4.62257	2.02153	3.39933	4.82852	5.04355
5816	490668.07	3859860.92	1.68386	4.73713	2.27485	4.91883	2.02584	3.16134	4.58571	4.73713
5817	490579.34	3859827.3	1.70553	4.62407	2.60794	4.61767	2.01599	2.75195	4.51734	4.62407
5818	490490.6	3859793.68	1.71946	4.31068	3.0185	4.00106	2.06528	2.40616	4.25301	4.31068
5819	490401.86	3859760.07	1.7342	4.2018	3.52254	3.54392	2.10407	2.31598	4.03886	4.2018
5820	490313.12	3859726.45	1.75002	4.24846	4.16329	3.39589	2.11364	2.23418	3.91756	4.24846
5821	490224.39	3859692.83	1.75539	4.3365	4.85202	3.52444	2.08695	2.15703	3.95712	4.3365
5822	490135.65	3859659.22	1.73715	4.3886	5.36799	3.37104	2.3631	2.09604	3.95414	4.3886
5823	489918.18	3859559.23	1.76461	3.88567	8.16416	3.19867	3.49539	1.92564	3.22384	3.88567
5824	489743.61	3859486	1.68406	3.09353	14.83819	3.14247	4.45563	1.69145	2.61164	3.09353
5825	489660.32	3859440.27	1.69747	3.07485	26.25861	3.1669	4.8269	1.72796	2.65239	3.07485
5826	489577.04	3859394.53	1.71294	3.09412	12.59685	3.16829	5.16422	1.68426	2.67125	3.09412
5827	489493.75	3859348.8	1.72688	3.05209	8.73736	3.12402	5.43161	1.56771	2.65342	3.05209
5828	489321.28	3859240.02	1.8645	3.48837	4.24801	3.21681	6.23755	1.48419	2.87598	3.48837
5829	489235.41	3859193.96	1.90744	3.51467	3.98918	4.94759	7.33422	1.45055	2.93814	3.51467
5830	489149.54	3859147.89	1.94369	3.32786	3.45395	6.26026	8.33432	1.47507	2.79743	3.32786
5831	489063.68	3859101.82	1.98877	3.32927	3.14028	3.91863	9.33972	1.48642	2.70842	3.32927
5832	488977.81	3859055.75	2.03794	3.33566	2.83983	3.46729	10.21	1.53663	2.62735	3.33566
5833	488891.94	3859009.69	2.09182	3.19232	2.57225	3.22242	10.7271	1.6273	2.4751	3.19232
5834	488808	3859060.73	2.07615	1.69303	2.68182	2.91951	10.0962	1.68268	1.7348	1.69303
5835	488809.93	3859157.85	2.02936	1.32791	1.80253	2.83836	9.00744	1.79399	1.36188	1.32791
5836	488811.85	3859254.96	1.98606	1.12109	1.62509	2.69712	7.8263	1.907	1.13112	1.12109
5837	488813.78	3859352.07	1.96053	1.0122	1.7368	2.44323	6.65914	2.41541	1.00428	1.0122
5838	488815.71	3859449.19	1.92229	0.96505	1.81224	2.14707	5.5921	2.22477	0.96244	0.96505
5839	488910.04	3859547.1	1.80209	0.96144	2.68535	2.56208	5.90559	2.197	0.9631	0.96144
5840	489002.45	3859547.91	1.71231	1.02455	3.1081	3.16031	7.05548	1.96964	1.02703	1.02455
5841	489094.85	3859548.71	1.63793	1.09933	3.52646	4.2498	7.87968	1.99331	1.10223	1.09933
5842	489230.05	3859601.87	1.72642	1.14501	4.17867	4.86581	7.99063	1.83593	1.15212	1.14501
5843	489227.52	3859680.89	1.8341	0.97884	3.64459	5.0659	7.63762	1.7343	1.01842	0.97884
5844	489133.47	3859760.29	1.90881	0.77127	2.9427	5.43872	6.5017	1.76088	0.82499	0.77127
5845	489041.96	3859760.67	1.88899	0.73072	2.90498	3.56298	5.53102	1.71268	0.75119	0.73072
5846	488950.45	3859761.05	1.86449	0.69376	2.6139	2.79414	4.40803	1.6226	0.69325	0.69376
5847	488858.94	3859761.43	2.02612	0.66145	2.67631	2.23201	3.30055	1.53055	0.66072	0.66145
5848	488767.43	3859761.82	2.09855	0.62981	2.39186	1.77442	2.35943	1.47644	0.62876	0.62981
5849	488675.92	3859762.2	2.16298	0.60291	2.18729	1.5153	3.1147	1.46939	0.60164	0.60291
5850	488584.41	3859762.58	2.22147	0.59721	1.98751	1.38518	3.61471	1.64463	0.57581	0.59721
5851	488492.9	3859762.96	2.27858	0.60068	1.93991	1.27532	3.762	1.98519	0.55204	0.60068
5852	488402.76	3859830.95	2.33776	0.60327	1.74533	1.1971	3.43929	2.71855	0.47582	0.60327
5853	488404.14	3859898.55	2.36776	0.59555	1.63712	1.20599	3.29253	2.71232	0.48161	0.59555
5854	488505.18	3859964.96	2.08107	0.5806	1.71079	1.31006	3.46698	1.92772	0.52615	0.5806
5855	488604.84	3859963.76	1.94439	0.57096	1.79068	1.40429	3.45009	1.58996	0.50539	0.57096
5856	488704.51	3859962.56	1.88055	0.56553	1.93948	1.5081	3.05905	1.39145	0.49476	0.56553
5857	488804.18	3859961.37	1.82114	0.56565	1.93236	1.88279	2.37639	1.28274	0.52647	0.56565
5858	488903.85	3859960.17	1.75617	0.57176	2.16288	2.44226	2.45336	1.18377	0.56482	0.57176
5859	489003.52	3859958.97	1.6586	0.58267	1.80919	3.21295	3.47304	1.12899	0.60931	0.58267
5860	489103.18	3859957.77	1.49429	0.59953	2.22005	4.48993	4.56908	1.15374	0.66332	0.59953
5861	489201.48	3860046.59	1.45264	0.59724	2.13682	12.52462	4.92085	1.12562	0.67773	0.59724
5862	489200.11	3860136.61	1.62464	0.56902	2.252	12.48649	4.24025	1.10262	0.62458	0.56902
5863	489198.74	3860226.63	1.78236	0.68663	2.12347	13.94509	3.61028	1.05229	0.68695	0.68663
5864	489197.38	3860316.66	1.90794	0.7994	2.1701	13.6949	3.03127	0.95467	0.80148	0.7994
5865	489196.01	3860406.68	2.01205	0.80578	2.0365	13.29332	2.52576	0.97944	0.81061	0.80578
5866	489194.64	3860496.7	2.10045	0.68567	1.70917	13.1978	2.07097	0.95979	0.69217	0.68567
5867	489193.27	3860586.72	2.18197	0.57898	1.70691	12.86364	1.6931	0.95771	0.57991	0.57898

1.48E+01	1.13E+00	5.61E-05	1.42E-01	7.69E-01	2.73E-01	4.24E+00	4.15E+00	1.72E+01
1.58E+01	1.26E+00	5.71E-05	1.58E-01	8.17E-01	2.95E-01	4.37E+00	4.63E+00	1.81E+01
1.60E+01	1.30E+00	5.83E-05	1.58E-01	8.45E-01	2.96E-01	4.60E+00	4.78E+00	1.84E+01
1.59E+01	1.38E+00	5.99E-05	1.59E-01	8.69E-01	3.13E-01	4.83E+00	5.08E+00	1.83E+01
1.71E+01	2.27E+00	5.92E-05	2.39E-01	9.32E-01	4.70E-01	8.34E+00	8.36E+00	2.09E+01
1.73E+01	2.13E+00	5.77E-05	2.55E-01	9.34E-01	4.37E-01	7.92E+00	7.85E+00	2.11E+01
1.75E+01	2.08E+00	6.62E-05	2.39E-01	9.29E-01	3.80E-01	7.80E+00	7.66E+00	2.13E+01
1.76E+01	1.94E+00	7.66E-05	2.07E-01	9.52E-01	3.33E-01	7.34E+00	7.14E+00	2.13E+01
1.78E+01	1.89E+00	8.94E-05	1.83E-01	9.70E-01	3.20E-01	6.97E+00	6.96E+00	2.12E+01
1.79E+01	1.91E+00	1.06E-04	1.76E-01	9.74E-01	3.09E-01	6.76E+00	7.04E+00	2.10E+01
1.80E+01	1.95E+00	1.23E-04	1.82E-01	9.62E-01	2.98E-01	6.83E+00	7.19E+00	2.10E+01
1.78E+01	1.98E+00	1.36E-04	1.75E-01	1.09E+00	2.90E-01	6.83E+00	7.27E+00	2.09E+01
1.81E+01	1.75E+00	2.07E-04	1.66E-01	1.61E+00	2.66E-01	5.57E+00	6.44E+00	2.10E+01
1.73E+01	1.39E+00	3.76E-04	1.63E-01	2.05E+00	2.34E-01	4.51E+00	5.13E+00	2.05E+01
1.74E+01	1.38E+00	6.66E-04	1.64E-01	2.22E+00	2.39E-01	4.58E+00	5.09E+00	2.09E+01
1.76E+01	1.39E+00	3.20E-04	1.64E-01	2.38E+00	2.33E-01	4.61E+00	5.13E+00	2.12E+01
1.77E+01	1.37E+00	2.22E-04	1.62E-01	2.50E+00	2.17E-01	4.58E+00	5.06E+00	2.15E+01
1.91E+01	1.57E+00	1.08E-04	1.67E-01	2.87E+00	2.05E-01	4.97E+00	5.78E+00	2.31E+01
1.96E+01	1.58E+00	1.01E-04	2.56E-01	3.38E+00	2.01E-01	5.07E+00	5.82E+00	2.42E+01
1.99E+01	1.50E+00	8.76E-05	3.24E-01	3.84E+00	2.04E-01	4.83E+00	5.51E+00	2.51E+01
2.04E+01	1.50E+00	7.97E-05	2.03E-01	4.30E+00	2.06E-01	4.68E+00	5.52E+00	2.58E+01
2.09E+01	1.50E+00	7.20E-05	1.79E-01	4.71E+00	2.12E-01	4.54E+00	5.53E+00	2.65E+01
2.14E+01	1.44E+00	6.53E-05	1.67E-01	4.94E+00	2.25E-01	4.27E+00	5.29E+00	2.72E+01
2.13E+01	7.62E-01	6.80E-05	1.51E-01	4.65E+00	2.33E-01	3.00E+00	2.81E+00	2.73E+01
2.08E+01	5.98E-01	4.57E-05	1.47E-01	4.15E+00	2.48E-01	2.35E+00	2.20E+00	2.61E+01
2.04E+01	5.05E-01	4.12E-05	1.40E-01	3.61E+00	2.64E-01	1.95E+00	1.86E+00	2.50E+01
2.01E+01	4.56E-01	4.41E-05	1.26E-01	3.07E+00	3.34E-01	1.73E+00	1.68E+00	2.41E+01
1.97E+01	4.34E-01	4.60E-05	1.11E-01	2.58E+00	3.08E-01	1.66E+00	1.60E+00	2.32E+01
1.85E+01	4.33E-01	6.81E-05	1.33E-01	2.72E+00	3.04E-01	1.66E+00	1.59E+00	2.21E+01
1.76E+01	4.61E-01	7.88E-05	1.64E-01	3.25E+00	2.72E-01	1.77E+00	1.70E+00	2.18E+01
1.68E+01	4.95E-01	8.95E-05	2.20E-01	3.63E+00	2.76E-01	1.90E+00	1.82E+00	2.15E+01
1.77E+01	5.15E-01	1.06E-04	2.52E-01	3.68E+00	2.54E-01	1.99E+00	1.90E+00	2.25E+01
1.88E+01	4.41E-01	9.25E-05	2.62E-01	3.52E+00	2.40E-01	1.76E+00	1.62E+00	2.34E+01
1.96E+01	3.47E-01	7.46E-05	2.82E-01	3.00E+00	2.43E-01	1.42E+00	1.28E+00	2.36E+01
1.94E+01	3.29E-01	7.37E-05	1.84E-01	2.55E+00	2.37E-01	1.30E+00	1.21E+00	2.28E+01
1.91E+01	3.12E-01	6.63E-05	1.45E-01	2.03E+00	2.24E-01	1.20E+00	1.15E+00	2.19E+01
2.08E+01	2.98E-01	6.79E-05	1.16E-01	1.52E+00	2.12E-01	1.14E+00	1.10E+00	2.30E+01
2.15E+01	2.83E-01	6.07E-05	9.19E-02	1.09E+00	2.04E-01	1.09E+00	1.04E+00	2.32E+01
2.22E+01	2.71E-01	5.55E-05	7.84E-02	1.44E+00	2.03E-01	1.04E+00	9.99E-01	2.42E+01
2.28E+01	2.69E-01	5.04E-05	7.17E-02	1.67E+00	2.27E-01	9.94E-01	9.90E-01	2.50E+01
2.34E+01	2.70E-01	4.92E-05	6.60E-02	1.73E+00	2.74E-01	9.53E-01	9.95E-01	2.57E+01
2.40E+01	2.71E-01	4.43E-05	6.20E-02	1.58E+00	3.76E-01	8.22E-01	1.00E+00	2.61E+01
2.43E+01	2.68E-01	4.15E-05	6.24E-02	1.52E+00	3.75E-01	8.32E-01	9.87E-01	2.63E+01
2.13E+01	2.61E-01	4.34E-05	6.78E-02	1.60E+00	2.67E-01	9.08E-01	9.62E-01	2.35E+01
1.99E+01	2.57E-01	4.54E-05	7.27E-02	1.59E+00	2.20E-01	8.73E-01	9.46E-01	2.20E+01
1.93E+01	2.55E-01	4.92E-05	7.81E-02	1.41E+00	1.92E-01	8.54E-01	9.37E-01	2.11E+01
1.87E+01	2.55E-01	4.90E-05	9.75E-02	1.10E+00	1.77E-01	9.09E-01	9.37E-01	2.03E+01
1.80E+01	2.57E-01	5.49E-05	1.26E-01	1.13E+00	1.64E-01	9.75E-01	9.47E-01	1.97E+01
1.70E+01	2.62E-01	4.59E-05	1.66E-01	1.60E+00	1.56E-01	1.05E+00	9.65E-01	1.93E+01
1.53E+01	2.70E-01	5.63E-05	2.32E-01	2.11E+00	1.60E-01	1.15E+00	9.93E-01	1.82E+01
1.49E+01	2.69E-01	5.42E-05	6.48E-01	2.27E+00	1.56E-01	1.17E+00	9.90E-01	1.84E+01
1.67E+01	2.56E-01	5.71E-05	6.46E-01	1.95E+00	1.52E-01	1.08E+00	9.43E-01	1.98E+01
1.83E+01	3.09E-01	5.39E-05	7.22E-01	1.66E+00	1.45E-01	1.19E+00	1.14E+00	2.12E+01
1.96E+01	3.60E-01	5.51E-05	7.09E-01	1.40E+00	1.32E-01	1.38E+00	1.32E+00	2.22E+01
2.06E+01	3.63E-01	5.17E-05	6.88E-01	1.16E+00	1.35E-01	1.40E+00	1.34E+00	2.30E+01
2.15E+01	3.09E-01	4.34E-05	6.83E-01	9.54E-01	1.33E-01	1.20E+00	1.14E+00	2.37E+01
2.24E+01	2.61E-01	4.33E-05	6.66E-01	7.80E-01	1.32E-01	1.00E+00	9.59E-01	2.43E+01

5868	489092.02	3860678.13	2.36767	0.59448	1.49272	4.50368	1.44123	1.20861	0.59851	0.59448	2.43E+01	2.68E-01	3.79E-05	2.33E-01	6.64E-01	1.67E-01	1.03E+00	9.85E-01	2.57E+01
5869	488992.13	3860679.53	2.45601	0.57499	1.59948	3.03129	1.97779	1.32985	0.57928	0.57499	2.52E+01	2.59E-01	4.06E-05	1.57E-01	9.11E-01	1.84E-01	1.00E+00	9.53E-01	2.67E+01
5870	488892.24	3860680.92	2.5516	0.55166	1.43617	2.09635	2.4413	1.47251	0.55625	0.55166	2.62E+01	2.48E-01	3.64E-05	1.09E-01	1.13E+00	2.04E-01	9.60E-01	9.14E-01	2.79E+01
5871	488792.36	3860682.31	2.64548	0.52705	1.23614	1.42189	2.7167	1.65193	0.53164	0.52705	2.71E+01	2.37E-01	3.14E-05	7.36E-02	1.25E+00	2.28E-01	9.18E-01	8.73E-01	2.90E+01
5872	488692.48	3860683.7	2.71724	0.52155	1.20649	1.06962	2.75995	1.92645	0.53349	0.52155	2.79E+01	2.35E-01	3.06E-05	5.54E-02	1.27E+00	2.66E-01	9.21E-01	8.64E-01	2.97E+01
5873	488592.59	3860685.09	2.76453	0.52441	1.16241	0.95391	2.56386	2.31905	0.53444	0.52441	2.83E+01	2.36E-01	2.95E-05	4.94E-02	1.18E+00	3.21E-01	9.23E-01	8.69E-01	3.02E+01
5874	488492.71	3860686.49	2.80003	0.52895	1.15016	0.91641	2.23688	3.15162	0.53684	0.52895	2.87E+01	2.38E-01	2.92E-05	4.74E-02	1.03E+00	4.36E-01	9.27E-01	8.76E-01	3.05E+01
5875	488299.07	3860762.18	2.81639	0.55712	1.23344	0.86958	1.40574	2.2274	0.56012	0.55712	2.89E+01	2.51E-01	3.13E-05	4.50E-02	6.48E-01	3.08E-01	9.67E-01	9.23E-01	3.02E+01
5876	488205.32	3860764.09	2.76127	0.56211	1.2192	0.8531	1.1399	2.37675	0.5605	0.56211	2.83E+01	2.53E-01	3.09E-05	4.42E-02	5.25E-01	3.29E-01	9.68E-01	9.31E-01	2.95E+01
5877	488111.56	3860766	2.65716	0.56605	1.14703	0.83555	1.20801	2.88495	0.55941	0.56605	2.72E+01	2.55E-01	2.91E-05	4.33E-02	5.57E-01	3.99E-01	9.66E-01	9.38E-01	2.85E+01
5878	488017.81	3860767.91	2.50313	0.56485	1.05378	0.84285	1.19752	3.43972	0.55298	0.56485	2.57E+01	2.54E-01	2.67E-05	4.36E-02	5.52E-01	4.76E-01	9.55E-01	9.36E-01	2.70E+01
5879	487924.06	3860769.81	2.21334	0.55934	1.06326	0.8489	1.26292	2.68607	0.5429	0.55934	2.27E+01	2.52E-01	2.70E-05	4.39E-02	5.82E-01	3.71E-01	9.37E-01	9.27E-01	2.40E+01
5880	487830.31	3860771.72	1.62759	0.5523	1.13917	0.85014	1.47499	2.21416	0.532	0.5523	1.67E+01	2.49E-01	2.89E-05	4.40E-02	6.80E-01	3.06E-01	9.19E-01	9.15E-01	1.80E+01
5881	487736.55	3860773.63	1.31101	0.54516	1.12821	0.84531	1.89268	1.95891	0.52161	0.54516	1.34E+01	2.45E-01	2.86E-05	4.38E-02	8.72E-01	2.71E-01	9.01E-01	9.03E-01	1.49E+01
5882	487642.8	3860775.54	1.18246	0.53986	1.04664	0.83538	2.49115	1.84213	0.51368	0.53986	1.21E+01	2.43E-01	2.66E-05	4.32E-02	1.15E+00	2.55E-01	8.87E-01	8.95E-01	1.38E+01
5883	487549.48	3860684.71	1.16111	0.53044	0.7836	0.81674	3.00165	1.51258	0.50122	0.53044	1.19E+01	2.39E-01	1.99E-05	4.23E-02	1.38E+00	2.09E-01	8.65E-01	8.79E-01	1.38E+01
5884	487549.91	3860591.97	1.24614	0.49392	0.72395	0.80216	3.04955	2.4916	0.46341	0.49392	1.28E+01	2.22E-01	1.84E-05	4.15E-02	1.41E+00	3.44E-01	8.00E-01	8.18E-01	1.48E+01
5885	487550.34	3860499.23	1.34831	0.44154	0.90779	0.78716	3.10871	2.12036	0.41016	0.44154	1.38E+01	1.99E-01	2.30E-05	4.07E-02	1.43E+00	2.93E-01	7.08E-01	7.32E-01	1.58E+01
5886	487550.76	3860406.49	1.46824	0.45107	1.0604	0.77431	3.17067	1.86715	0.4534	0.45107	1.51E+01	2.03E-01	2.69E-05	4.01E-02	1.46E+00	2.58E-01	7.83E-01	7.47E-01	1.71E+01
5887	487551.19	3860313.75	1.59948	0.45404	1.03679	0.79115	3.21928	1.91629	0.45502	0.45404	1.64E+01	2.04E-01	2.63E-05	4.10E-02	1.48E+00	2.65E-01	7.86E-01	7.52E-01	1.84E+01
5888	487551.62	3860221.01	1.72154	0.41788	0.9086	0.82049	3.26867	2.31074	0.41201	0.41788	1.77E+01	1.88E-01	2.30E-05	4.25E-02	1.51E+00	3.19E-01	7.11E-01	6.92E-01	1.97E+01
5889	487552.05	3860128.27	1.84961	0.53839	0.96336	0.84527	3.33193	2.35959	0.54241	0.53839	1.90E+01	2.42E-01	2.44E-05	4.38E-02	1.54E+00	3.26E-01	9.36E-01	8.92E-01	2.12E+01
5890	487552.48	3860035.53	1.98395	0.63438	1.23347	0.8868	3.38446	2.17063	0.63787	0.63438	2.03E+01	2.85E-01	3.13E-05	4.59E-02	1.56E+00	3.00E-01	1.10E+00	1.05E+00	2.26E+01
5891	487552.91	3859942.79	2.10552	0.6672	1.09579	0.92776	3.4058	2.16344	0.66945	0.6672	2.16E+01	3.00E-01	2.78E-05	4.80E-02	1.57E+00	2.99E-01	1.16E+00	1.11E+00	2.39E+01
5892	487553.33	3859850.05	2.23223	0.62893	1.16862	0.96023	3.45237	2.1842	0.62965	0.62893	2.29E+01	2.83E-01	2.96E-05	4.97E-02	1.59E+00	3.02E-01	1.09E+00	1.04E+00	2.52E+01
5893	487553.76	3859757.31	2.36203	0.57609	1.14766	0.94151	3.47562	2.36142	0.54284	0.57609	2.42E+01	2.59E-01	2.91E-05	4.87E-02	1.60E+00	3.26E-01	9.37E-01	9.55E-01	2.64E+01
5894	487554.19	3859664.57	2.51211	0.60608	1.19394	0.87021	3.49341	2.4946	0.44362	0.60608	2.58E+01	2.73E-01	3.03E-05	4.50E-02	1.61E+00	3.45E-01	7.66E-01	1.00E+00	2.78E+01
5895	487460.2	3859571.05	2.64946	0.61449	1.10565	0.97938	3.31105	2.70846	0.47081	0.61449	2.72E+01	2.77E-01	2.80E-05	5.07E-02	1.53E+00	3.74E-01	8.13E-01	1.02E+00	2.92E+01
5896	487365.78	3859570.27	2.65411	0.59203	1.27864	0.97775	2.97972	2.84067	0.45701	0.59203	2.72E+01	2.66E-01	3.24E-05	5.06E-02	1.37E+00	3.93E-01	7.89E-01	9.81E-01	2.91E+01
5897	487271.36	3859569.48	2.62269	0.56532	1.24614	0.98706	2.58675	3.09015	0.44382	0.56532	2.69E+01	2.54E-01	3.16E-05	5.11E-02	1.19E+00	4.27E-01	7.66E-01	9.37E-01	2.86E+01
5898	487176.94	3859568.7	2.49382	0.53489	1.55514	0.99191	2.27409	3.35977	0.44223	0.53489	2.56E+01	2.41E-01	3.95E-05	5.13E-02	1.05E+00	4.64E-01	7.64E-01	8.86E-01	2.73E+01
5899	487082.51	3859567.92	2.23931	0.50212	1.25202	0.99084	2.28562	3.02509	0.46444	0.50212	2.30E+01	2.26E-01	3.18E-05	5.13E-02	1.05E+00	4.18E-01	8.02E-01	8.32E-01	2.47E+01
5900	486988.09	3859567.14	1.9192	0.48723	1.0309	0.97864	2.19844	2.38024	0.48624	0.48723	1.97E+01	2.19E-01	2.62E-05	5.07E-02	1.01E+00	3.29E-01	8.39E-01	8.07E-01	2.13E+01
5901	486893.67	3859566.36	1.59635	0.50786	1.54349	0.95521	2.17156	2.01615	0.50706	0.50786	1.64E+01	2.29E-01	3.92E-05	4.94E-02	1.00E+00	2.79E-01	8.75E-01	8.41E-01	1.80E+01
5902	486799.25	3859565.58	1.29697	0.52715	1.77439	0.93451	2.22537	2.17206	0.52655	0.52715	1.33E+01	2.37E-01	4.50E-05	4.84E-02	1.03E+00	3.00E-01	9.09E-01	8.73E-01	1.49E+01
5903	486704.83	3859564.79	1.19787	0.54452	1.32895	0.95711	2.2042	1.95605	0.54419	0.54452	1.23E+01	2.45E-01	3.37E-05	4.95E-02	1.02E+00	2.70E-01	9.40E-01	9.02E-01	1.39E+01
5904	486610.41	3859564.01	1.15901	0.55966	1.64315	0.97048	2.11236	1.32127	0.55955	0.55966	1.19E+01	2.52E-01	4.17E-05	5.02E-02	9.73E-01	1.83E-01	9.66E-01	9.27E-01	1.34E+01
5905	486515.99	3859563.23	1.12314	0.57271	1.44072	0.96936	2.07913	1.25376	0.57293	0.57271	1.15E+01	2.58E-01	3.65E-05	5.02E-02	9.58E-01	1.73E-01	9.89E-01	9.49E-01	1.30E+01
5906	486421.57	3859562.45	1.09047	0.58265	1.54162	0.96081	2.15416	1.214	0.58312	0.58265	1.12E+01	2.62E-01	3.91E-05	4.97E-02	9.93E-01	1.68E-01	1.01E+00	9.65E-01	1.27E+01
5907	486327.14	3859561.67	1.06089	0.58932	1.51036	0.94574	2.17953	1.17814	0.59009	0.58932	1.09E+01	2.65E-01	3.83E-05	4.90E-02	1.00E+00	1.63E-01	1.02E+00	9.76E-01	1.24E+01
5908	486232.72	3859560.89	1.03298	0.5934	1.46979	0.91922	2.14407	1.13971	0.59442	0.5934	1.06E+01	2.67E-01	3.73E-05	4.76E-02	9.88E-01	1.58E-01	1.03E+00	9.83E-01	1.21E+01
5909	486138.3	3859560.1	1.00335	0.59414	1.66224	0.88876	2.05722	1.12535	0.59541	0.59414	1.03E+01	2.67E-01	4.22E-05	4.60E-02	9.48E-01	1.56E-01	1.03E+00	9.84E-01	1.17E+01
5910	486043.88	3859559.32	0.97104	0.59186	1.57173	0.85404	1.9983	1.12051	0.59337	0.59186	9.96E+00	2.66E-01	3.99E-05	4.42E-02	9.21E-01	1.55E-01	1.02E+00	9.81E-01	1.14E+01
5911	485949.35	3859463.54	0.97438	0.57393	1.28265	0.8194	2.66168	1.32486	0.57459	0.57393	9.99E+00	2.58E-01	3.25E-05	4.24E-02	1.23E+00	1.83E-01	9.92E-01	9.51E-01	1.17E+01
5912	485949.24	3859368.55	0.99853	0.52186	1.17644	0.96917	2.99665	1.58006	0.52154	0.52186	1.02E+01	2.35E-01	2.98E-05	5.02E-02	1.38E+00	2.18E-01	9.00E-01	8.65E-01	1.22E+01
5913	485949.12	3859273.55	1.05308	0.44913	1.46301	1.07995	3.28785	1.67306	0.44816	0.44913	1.08E+01	2.02E-01	3.71E-05	5.59E-02	1.52E+00	2.31E-01	7.74E-01	7.44E-01	1.28E+01
5914	485949.01	3859178.56	1.19522	0.3915	1.57066	1.06682	3.51984	1.6122	0.37848	0.3915	1.23E+01	1.76E-01	3.98E-05	5.52E-02	1.62E+00	2.23E-01	6.53E-01	6.49E-01	1.43E+01
5915	485948.9	3859083.56	1.26632	0.40624	1.5104	0.93741	3.7046	1.40671	0.38633	0.40624	1.30E+01	1.83E-01	3.83E-05	4.85E-02	1.71E+00	1.94E-01	6.67E-01	6.73E-01	1.51E+01
5916	485948.79	3858988.56	1.29041	0.41929	1.76838	0.80686	3.81474	1.40212	0.38881	0.41929	1.32E+01	1.89E-01	4.49E-05	4.18E-02	1.76E+00	1.94E-01	6.71E-01	6.95E-01	1.54E+01
5917	485948.67	3858893.57	1.30154	0.43166	1.5755	0.73006	3.85766	1.50299	0.38689	0.43166	1.33E+01	1.94E-01	4.00E-05	3.78E-02	1.78E+00	2.08E-01	6.68E-01	7.15E-01	1.55E+01
5918	485948.56	3858798.57	1.30918	0.44701	1.52265	0.7046	3.85173	1.58443	0.38307	0.44701	1.34E+01	2.01E-01	3.86E-05	3.65E-02	1.78E+00	2.19E-01	6.61E-01	7.41E-01	1.56E+01
5919	485948.45	3858703.58	1.31428	0.46162	1.87897	0.68653	3.73272	1.64784	0.37433	0.46162	1.35E+01	2.08E-01	4.77E-05	3.55E-02	1.72E+00	2.28E-01	6.46E-01	7.65E-01	1.55E+01
5920	485948.34	3858608.58	1.31803	0.4826	1.70247	0.6968	3.55779	1.73961	0.36658	0.4826	1.35E+01	2.17E-01	4.32E-05	3.61E-02	1.64E+00	2.41E-01	6.33E-01	8.00E-01	1.55E+01
5921	485948.22	3858513.59	1.32104	0.50772	1.87862	0.76547	3.5979	1.94684	0.35963	0.50772	1.35E+01	2.28E-01	4.77E-05	3.96E-02	1.66E+00	2.69E-01	6.21E-01	8.41E-01	1.55E+01
5922	485948.11	3858418.59	1.35752	0.54053	2.11423	0.86668	3.68126	2.2975	0.36233	0.54053	1.39E+01	2.43E-01	5.36E-05	4.49E-02	1.70E+00	3.18E-01	6.26E-01	8.96E-01	1.60E+01
5923	485948	3858323.59	1.40657	0.60398	2.22756	0.99028	4.03786	2.82762	0.35612	0.60398	1.44E+01	2.72E-01	5.65E-05	5.13E-02	1.86E+00	3.91E-01	6.15E-01	1.00E+00	1.66E+01
5924	485947.89	3858228.6	1.46467	0.66875	2.14941	1.08834	4.60695	3.06955	0.35881	0.66875	1.50E+01	3.01E-01	5.45E-05	5.63E-02	2.12E+00	4.24E-01	6.19E-01	1.11E+00	1.74E+01

5925	485947.77	3858133.6	1.54979	0.73651	1.79074	1.13208	5.11143	3.1829	0.37316	0.73651	1.59E+01	3.31E-01	4.54E-05	5.86E-02	2.36E+00	4.40E-01	6.44E-01	1.22E+00	1.85E+01
5926	485947.66	3858038.61	1.72165	0.82297	1.11204	1.13944	5.50329	3.62842	0.38422	0.82297	1.77E+01	3.70E-01	2.82E-05	5.90E-02	2.54E+00	5.02E-01	6.63E-01	1.36E+00	2.04E+01
5927	485854.54	3857943.35	1.69157	0.82388	1.44608	1.08039	5.2351	3.68771	0.37965	0.82388	1.73E+01	3.71E-01	3.67E-05	5.59E-02	2.41E+00	5.10E-01	6.55E-01	1.37E+00	2.00E+01
5928	485761.52	3857943.09	1.61673	0.74452	1.5897	1.05474	4.84776	3.31477	0.3716	0.74452	1.66E+01	3.35E-01	4.03E-05	5.46E-02	2.23E+00	4.58E-01	6.42E-01	1.23E+00	1.91E+01
5929	485668.51	3857942.83	1.60705	0.68101	1.85034	1.03416	4.51372	3.03263	0.36478	0.68101	1.65E+01	3.06E-01	4.69E-05	5.35E-02	2.08E+00	4.19E-01	6.30E-01	1.13E+00	1.88E+01
5930	485575.5	3857942.56	1.59076	0.65138	2.02962	1.00959	4.46719	2.79651	0.35809	0.65138	1.63E+01	2.93E-01	5.15E-05	5.23E-02	2.06E+00	3.87E-01	6.18E-01	1.08E+00	1.86E+01
5931	485482.48	3857942.3	1.56353	0.62689	2.0935	0.98986	4.42741	2.6084	0.35142	0.62689	1.60E+01	2.82E-01	5.31E-05	5.12E-02	2.04E+00	3.61E-01	6.07E-01	1.04E+00	1.83E+01
5932	485389.47	3857942.04	1.52307	0.60402	1.9181	0.97008	4.37072	2.44905	0.34495	0.60402	1.56E+01	2.72E-01	4.87E-05	5.02E-02	2.01E+00	3.39E-01	5.96E-01	1.00E+00	1.79E+01
5933	485296.46	3857941.78	1.47709	0.58299	1.61147	0.95103	4.37193	2.31298	0.33867	0.58299	1.51E+01	2.62E-01	4.09E-05	4.92E-02	2.01E+00	3.20E-01	5.85E-01	9.66E-01	1.74E+01
5934	485203.45	3857941.52	1.43792	0.56464	1.34344	0.93528	4.41529	2.1957	0.33361	0.56464	1.47E+01	2.54E-01	3.41E-05	4.84E-02	2.03E+00	3.04E-01	5.76E-01	9.36E-01	1.70E+01
5935	485110.43	3857941.26	1.40558	0.55897	1.2198	0.91655	4.43008	2.09203	0.32709	0.55897	1.44E+01	2.52E-01	3.09E-05	4.74E-02	2.04E+00	2.89E-01	5.65E-01	9.26E-01	1.67E+01
5936	485017.42	3857940.99	1.37499	0.55717	1.22522	0.89724	4.42915	2.00014	0.31959	0.55717	1.41E+01	2.51E-01	3.11E-05	4.64E-02	2.04E+00	2.77E-01	5.52E-01	9.23E-01	1.63E+01
5937	484924.41	3857940.73	1.3405	0.54844	1.26528	0.87882	4.42299	1.91761	0.3114	0.54844	1.37E+01	2.47E-01	3.21E-05	4.55E-02	2.04E+00	2.65E-01	5.38E-01	9.09E-01	1.60E+01
5938	484831.39	3857940.47	1.29933	0.53106	1.28808	0.86252	4.42208	1.84353	0.30321	0.53106	1.33E+01	2.39E-01	3.27E-05	4.46E-02	2.04E+00	2.55E-01	5.23E-01	8.80E-01	1.55E+01
5939	484738.12	3857859.3	1.32157	0.53111	1.61175	0.83447	4.61611	1.69026	0.30803	0.53111	1.36E+01	2.39E-01	4.09E-05	4.32E-02	2.13E+00	2.34E-01	5.32E-01	8.80E-01	1.58E+01
5940	484737.85	3857778.4	1.39686	0.55945	1.86215	0.82364	4.70108	1.50562	0.31761	0.55945	1.43E+01	2.52E-01	4.72E-05	4.26E-02	2.17E+00	2.08E-01	5.48E-01	9.27E-01	1.66E+01
5941	484737.59	3857697.49	1.47457	0.58666	1.89616	0.8103	4.78519	1.29339	0.32241	0.58666	1.51E+01	2.64E-01	4.81E-05	4.19E-02	2.21E+00	1.79E-01	5.57E-01	9.72E-01	1.74E+01
5942	484737.32	3857616.59	1.55642	0.61095	1.68755	0.79138	4.73259	1.2795	0.32222	0.61095	1.60E+01	2.75E-01	4.28E-05	4.10E-02	2.18E+00	1.77E-01	5.56E-01	1.01E+00	1.82E+01
5943	484645.53	3857535.18	1.61215	0.61201	1.48093	0.75939	4.26699	1.17025	0.31659	0.61201	1.65E+01	2.75E-01	3.76E-05	3.93E-02	1.97E+00	1.62E-01	5.47E-01	1.01E+00	1.85E+01
5944	484553.99	3857534.67	1.57152	0.58072	1.56472	0.74943	4.06847	1.15984	0.31493	0.58072	1.61E+01	2.61E-01	3.97E-05	3.88E-02	1.87E+00	1.60E-01	5.44E-01	9.62E-01	1.80E+01
5945	484462.46	3857534.17	1.52291	0.53939	1.54159	0.74132	3.88504	1.14418	0.31308	0.53939	1.56E+01	2.43E-01	3.91E-05	3.84E-02	1.79E+00	1.58E-01	5.41E-01	8.94E-01	1.75E+01
5946	484370.93	3857533.66	1.45974	0.49531	1.4411	0.73248	3.69738	1.12494	0.31082	0.49531	1.50E+01	2.23E-01	3.66E-05	3.79E-02	1.70E+00	1.56E-01	5.37E-01	8.21E-01	1.68E+01
5947	484279.4	3857533.16	1.36671	0.48218	1.30787	0.72407	3.51566	1.10904	0.3084	0.48218	1.40E+01	2.17E-01	3.32E-05	3.75E-02	1.62E+00	1.53E-01	5.32E-01	7.99E-01	1.58E+01
5948	484187.86	3857532.65	1.20779	0.46946	1.49944	0.71501	3.33218	1.08931	0.30543	0.46946	1.24E+01	2.11E-01	3.80E-05	3.70E-02	1.54E+00	1.51E-01	5.27E-01	7.78E-01	1.41E+01
5949	484096.33	3857532.15	1.14664	0.45796	1.71577	0.70714	3.16234	1.07662	0.30243	0.45796	1.18E+01	2.06E-01	4.35E-05	3.66E-02	1.46E+00	1.49E-01	5.22E-01	7.59E-01	1.34E+01
5950	484004.8	3857531.64	1.14322	0.44643	1.35471	0.69779	2.98511	1.05175	0.29825	0.44643	1.17E+01	2.01E-01	3.44E-05	3.61E-02	1.38E+00	1.45E-01	5.15E-01	7.40E-01	1.33E+01
5951	483913.27	3857531.14	1.11176	0.43496	1.59698	0.68713	2.80331	1.01174	0.29267	0.43496	1.14E+01	1.96E-01	4.05E-05	3.56E-02	1.29E+00	1.40E-01	5.05E-01	7.21E-01	1.28E+01
5952	483821.73	3857530.63	1.06437	0.42472	1.44875	0.67811	2.66987	0.98252	0.28693	0.42472	1.09E+01	1.91E-01	3.68E-05	3.51E-02	1.23E+00	1.36E-01	4.95E-01	7.04E-01	1.23E+01
5953	483729.61	3857450.11	1.04834	0.41449	1.58543	0.65709	2.45756	0.96992	0.2905	0.41449	1.07E+01	1.87E-01	4.02E-05	3.40E-02	1.13E+00	1.34E-01	5.02E-01	6.87E-01	1.21E+01
5954	483729.03	3857370.08	1.12258	0.42235	1.64537	0.64313	2.36842	0.95104	0.29545	0.42235	1.15E+01	1.90E-01	4.17E-05	3.33E-02	1.09E+00	1.31E-01	5.10E-01	7.00E-01	1.28E+01
5955	483728.44	3857290.06	1.32361	0.43796	1.46186	0.62486	3.01101	0.87045	0.29434	0.43796	1.36E+01	1.97E-01	3.71E-05	3.23E-02	1.39E+00	1.20E-01	5.08E-01	7.26E-01	1.51E+01
5956	483727.86	3857210.03	1.4924	0.45271	1.60156	0.60578	3.67704	0.77656	0.2889	0.45271	1.53E+01	2.04E-01	4.06E-05	3.14E-02	1.69E+00	1.07E-01	4.99E-01	7.50E-01	1.71E+01
5957	483641.15	3857129.07	1.51368	0.44972	1.59077	0.58503	4.22583	0.7055	0.2817	0.44972	1.55E+01	2.02E-01	4.04E-05	3.03E-02	1.95E+00	9.75E-02	4.86E-01	7.45E-01	1.75E+01
5958	483555.03	3857128.14	1.44549	0.40722	2.07559	0.58037	4.12006	0.71323	0.2834	0.40722	1.48E+01	1.83E-01	5.27E-05	3.00E-02	1.90E+00	9.86E-02	4.89E-01	6.75E-01	1.68E+01
5959	483468.91	3857127.2	1.38503	0.38942	2.44152	0.57329	3.99194	0.71952	0.2845	0.38942	1.42E+01	1.75E-01	6.19E-05	2.97E-02	1.84E+00	9.95E-02	4.91E-01	6.45E-01	1.62E+01
5960	483382.78	3857126.26	1.33215	0.38186	2.59312	0.57031	3.90879	0.73082	0.28581	0.38186	1.37E+01	1.72E-01	6.58E-05	2.95E-02	1.80E+00	1.01E-01	4.93E-01	6.33E-01	1.56E+01
5961	483296.66	3857125.32	1.28448	0.37431	2.41893	0.56558	3.81034	0.73901	0.28641	0.37431	1.32E+01	1.68E-01	6.14E-05	2.93E-02	1.76E+00	1.02E-01	4.94E-01	6.20E-01	1.51E+01
5962	483210.54	3857124.39	1.23875	0.36688	2.05157	0.56019	3.70769	0.74459	0.2864	0.36688	1.27E+01	1.65E-01	5.20E-05	2.90E-02	1.71E+00	1.03E-01	4.94E-01	6.08E-01	1.46E+01
5963	483123.4	3857030.96	1.29411	0.3626	1.48455	0.53957	4.15738	0.66814	0.28182	0.3626	1.33E+01	1.63E-01	3.77E-05	2.79E-02	1.92E+00	9.24E-02	4.87E-01	6.01E-01	1.54E+01
5964	483122.38	3856938.46	1.52241	0.3679	1.37537	0.52813	4.56635	0.61891	0.27259	0.3679	1.56E+01	1.66E-01	3.49E-05	2.73E-02	2.10E+00	8.56E-02	4.71E-01	6.10E-01	1.79E+01
5965	483121.35	3856845.97	1.68382	0.3764	1.52098	0.51995	4.76439	0.62802	0.26498	0.3764	1.73E+01	1.69E-01	3.86E-05	2.69E-02	2.20E+00	8.68E-02	4.57E-01	6.24E-01	1.96E+01
5966	483120.33	3856753.47	1.75453	0.3878	1.75085	0.5133	4.68778	0.63644	0.27567	0.3878	1.80E+01	1.75E-01	4.44E-05	2.66E-02	2.16E+00	8.80E-02	4.76E-01	6.43E-01	2.03E+01
5967	483119.31	3856660.98	1.77987	0.40082	1.60288	0.53204	4.39293	0.65444	0.27621	0.40082	1.83E+01	1.80E-01	4.07E-05	2.75E-02	2.02E+00	9.05E-02	4.77E-01	6.64E-01	2.04E+01
5968	483118.29	3856568.49	1.79628	0.41599	1.70212	0.53439	3.94193	0.67274	0.2678	0.41599	1.84E+01	1.87E-01	4.32E-05	2.77E-02	1.82E+00	9.30E-02	4.62E-01	6.89E-01	2.03E+01
5969	483117.26	3856475.99	1.79314	0.43306	1.89921	0.51785	3.3811	0.69331	0.25217	0.43306	1.84E+01	1.95E-01	4.82E-05	2.68E-02	1.56E+00	9.59E-02	4.35E-01	7.18E-01	2.00E+01
5970	483116.24	3856383.5	1.81486	0.45096	2.04392	0.48877	2.84238	0.71865	0.24745	0.45096	1.86E+01	2.03E-01	5.18E-05	2.53E-02	1.31E+00	9.94E-02	4.27E-01	7.47E-01	1.99E+01
5971	483115.22	3856291.01	1.89609	0.47021	1.84215	0.48609	2.67859	0.74764	0.2524	0.47021	1.94E+01	2.12E-01	4.67E-05	2.52E-02	1.23E+00	1.03E-01	4.36E-01	7.79E-01	2.07E+01
5972	483114.2	3856198.51	1.98595	0.48953	1.80266	0.48424	2.78567	0.78198	0.25736	0.48953	2.04E+01	2.20E-01	4.57E-05	2.51E-02	1.28E+00	1.08E-01	4.44E-01	8.11E-01	2.16E+01
5973	483113.17	3856106.02	2.0198	0.51251	1.69975	0.48871	3.10558	0.82129	0.26537	0.51251	2.07E+01	2.31E-01	4.31E-05	2.53E-02	1.43E+00	1.14E-01	4.58E-01	8.49E-01	2.21E+01
5974	483112.15	3856013.52	1.98637	0.53318	1.71235	0.49266	3.13819	0.86886	0.27217	0.53318	2.04E+01	2.40E-01	4.34E-05	2.55E-02	1.45E+00	1.20E-01	4.70E-01	8.83E-01	2.18E+01
5975	483029.25	3855920.47	1.90926	0.53509	1.76273	0.49237	2.9399	0.87822	0.27575	0.53509	1.96E+01	2.41E-01	4.47E-05	2.55E-02	1.35E+00	1.21E-01	4.76E-01	8.87E-01	2.09E+01
5976	482947.37	3855919.91	1.83879	0.51539	2.31468	0.48484	2.99273	0.83804	0.27102	0.51539	1.89E+01	2.32E-01	5.87E-05	2.51E-02	1.38E+00	1.16E-01	4.68E-01	8.54E-01	2.02E+01
5977	482865.49	3855919.36	1.74777	0.49648	1.75531	0.47675	3.02572	0.80295	0.26595	0.49648	1.79E+01	2.23E-01	4.45E-05	2.47E-02	1.39E+00	1.11E-01	4.59E-01	8.23E-01	1.93E+01
5978	482783.61	3855918.8	1.66553	0.48087	2.0331	0.47096	3.05643	0.77068	0.26233	0.48087	1.71E+01	2.16E-01	5.16E-05	2.44E-02	1.41E+00	1.07E-01	4.53E-01	7.97E-01	1.85E+01
5979	482700.33	3855818.39	1.68901	0.48156	2.25356	0.46893	2.79744	0.77544	0.26456	0.48156	1.73E+01	2.17E-01	5.72E-05	2.43E-02	1.29E+00	1.07E-01	4.57E-01	7.98E-01	1.86E+01
5980	482698.92	3855718.54	1.99066	0.50071	2.06789	0.47552	2.27193	0.78395	0.27207	0.50071	2.04E+01	2.25E-01	5.25E-05	2.46E-02	1.05E+00	1.08E-01	4.70E-01	8.30E-01	2.15E+01
5981	482697.52	3855618.68	1.96917	0.56608	2.38311	0.47875	1.61914	0.77943	0.30656	0.56608	2.02E+01	2.55E-01	6.05E-05	2.48E-02	7.46E-01	1.08E-01	5.29E-01	9.38E-01	2.09E+01

5982	482696.11	3855518.83	1.92982	0.66917	2.37171	0.48398	1.42226	0.89382	0.35168	0.66917
5983	482694.71	3855418.98	1.88599	0.71855	2.50137	0.48535	1.42733	0.95023	0.37654	0.71855
5984	482693.3	3855319.13	1.84101	0.7315	2.65237	0.48774	1.54161	0.98096	0.38532	0.7315
5985	482691.9	3855219.27	1.79493	0.72208	3.62004	0.49392	1.53083	0.99185	0.38261	0.72208
5986	482690.49	3855119.42	1.74693	0.76359	4.05895	0.50036	1.64825	0.91506	0.36369	0.76359
5987	482689.09	3855019.57	1.69683	0.99519	3.77996	0.52011	1.6358	1.04811	0.33882	0.99519
5988	482687.68	3854919.71	1.64024	1.13358	2.74185	0.56206	1.48088	1.39284	0.37216	1.13358
5989	482686.28	3854819.86	1.57194	1.19979	2.84988	0.65569	1.23377	2.62913	0.43746	1.19979
5990	482684.88	3854720.01	1.48942	1.24556	3.90081	0.77319	1.36323	3.9006	0.50667	1.24556
5991	482683.47	3854620.16	1.38917	1.34222	3.93987	0.8564	1.64697	3.09594	0.56431	1.34222
5992	482682.07	3854520.31	1.28667	1.41326	4.15305	0.87431	1.82819	4.13491	0.60573	1.41326
5993	482680.66	3854420.45	1.25869	1.6289	4.34592	0.8712	1.87646	4.85363	0.65269	1.6289
5994	482679.26	3854320.6	1.30709	1.37021	2.32037	0.90048	1.78389	5.36573	0.72745	1.37021
5995	482677.85	3854220.75	1.3595	1.92625	1.1269	1.00383	1.74537	5.81094	0.88144	1.92625
5996	482676.45	3854120.9	1.39363	1.70011	0.91699	1.08143	1.98526	5.64461	1.0192	1.70011
5997	482675.04	3854021.04	1.42611	1.67322	1.04359	1.17038	2.12209	6.21801	0.93429	1.67322
5998	482673.64	3853921.19	1.43521	1.5948	1.22285	1.02598	2.12636	4.78325	1.04932	1.5948
5999	482672.23	3853821.34	1.48055	1.47165	1.1927	1.43261	2.0181	2.9045	1.62621	1.47165
6000	482670.83	3853721.48	1.50074	1.40639	0.99235	2.08974	1.80643	2.07051	1.45373	1.40639
6001	482669.42	3853621.63	1.51169	1.3997	0.7682	2.0283	1.52715	1.60994	1.37835	1.3997
6002	482645.99	3853446.13	1.49722	1.46358	0.88369	1.36939	1.04043	1.32589	1.42566	1.46358
6003	482623.96	3853370.48	1.47241	1.49415	0.89105	1.19751	0.86736	1.29138	1.47887	1.49415
6004	482601.94	3853294.84	1.4323	1.57826	0.89367	1.07663	0.83935	1.24275	1.49275	1.57826
6005	482531.29	3853133.44	1.34495	1.7806	0.73043	0.93942	0.98441	1.11735	1.82781	1.7806
6006	482482.68	3853047.69	1.3104	1.99243	0.67873	0.8774	1.03231	0.98336	2.02213	1.99243
6007	482383.08	3852897.4	1.25031	2.51913	0.74933	0.7571	1.07107	0.65181	2.55444	2.51913
6008	482265.64	3852765.26	1.19018	2.61286	0.85218	0.68583	1.06556	0.62409	2.65323	2.61286
6009	482199.16	3852697.66	1.16682	2.57572	0.91903	0.65974	1.05702	0.61425	2.61389	2.57572
6010	482132.69	3852630.07	1.1491	2.50318	0.98162	0.63562	1.04857	0.60457	2.54187	2.50318
6011	482066.21	3852562.48	1.13332	2.46282	1.04762	0.61211	1.03888	0.5945	2.5018	2.46282
6012	481999.74	3852494.89	1.11849	2.39213	1.11243	0.58813	1.02796	0.58405	2.42848	2.39213
6013	481933.26	3852427.29	1.10532	2.2435	1.16467	0.56513	1.01663	0.57376	2.27935	2.2435
6014	481866.79	3852359.7	1.09388	2.22638	1.19052	0.54499	1.00607	0.56437	2.2621	2.22638
6015	481800.31	3852292.11	1.08434	2.14102	1.20112	0.52565	0.99536	0.55508	2.1743	2.14102
6016	481733.84	3852224.52	1.07471	2.08283	1.19936	0.50645	0.98384	0.54572	2.11613	2.08283
6017	481667.36	3852156.92	1.06779	2.07058	1.17821	0.48875	0.9726	0.53974	2.10432	2.07058
6018	481600.89	3852089.33	1.05573	1.9626	1.15358	0.46969	0.95869	0.54461	1.99501	1.9626
6019	481534.41	3852021.74	1.04263	1.87324	1.11758	0.45111	0.94424	0.53796	1.90566	1.87324
6020	481467.94	3851954.15	1.03113	1.77442	1.06842	0.43383	0.93013	0.52737	1.80345	1.77442
6021	481401.46	3851886.55	1.02399	1.70569	1.00596	0.41889	0.91691	0.5176	1.72531	1.70569
6022	481265.87	3851761.43	0.98006	1.95467	0.85745	0.40648	0.89079	0.48979	1.97099	1.95467
6023	481196.74	3851703.89	0.95994	2.13432	0.76455	0.40322	0.87996	0.48369	2.14846	2.13432
6024	481076.33	3851619.04	0.91969	2.39698	0.5876	0.41133	0.86369	0.47521	2.40988	2.39698
6025	480939.8	3851549.07	0.88552	2.53302	0.37043	0.45239	0.84712	0.46711	2.54937	2.53302
6026	480854.56	3851506.41	0.86736	2.52906	0.26374	0.47786	0.8333	0.46434	2.5559	2.52906
6027	480769.32	3851463.75	0.85155	2.54831	0.1792	0.50262	0.81763	0.46237	2.5833	2.54831
6028	480684.08	3851421.08	0.8358	2.57745	0.17964	0.52629	0.79986	0.46461	2.62057	2.57745
6029	480598.84	3851378.42	0.81688	2.54341	0.17776	0.54641	0.77977	0.47153	2.5943	2.54341
6030	480435.71	3851275.01	0.78905	2.88698	0.16849	0.56307	0.74726	0.48521	2.96405	2.88698
6031	480347.85	3851232.36	0.76423	2.86777	0.16056	0.57963	0.72372	0.49893	2.95697	2.86777
6032	480260	3851189.72	0.74239	2.81922	0.15836	0.59315	0.69893	0.5144	2.91521	2.81922
6033	480172.15	3851147.07	0.72092	2.78612	0.16311	0.60322	0.67329	0.52952	2.88887	2.78612
6034	480084.29	3851104.42	0.69982	2.78477	0.16811	0.6097	0.64703	0.54335	2.89523	2.78477
6035	479996.44	3851061.77	0.67903	2.79751	0.17338	0.61241	0.62022	0.55488	2.91333	2.79751
6036	479908.58	3851019.13	0.66257	2.94667	0.17683	0.61626	0.60601	0.55774	3.07373	2.94667
6037	479820.73	3850976.48	0.6403	2.94942	0.18347	0.6101	0.59791	0.56242	3.07701	2.94942
6038	479732.88	3850933.83	0.61943	2.93313	0.1912	0.59935	0.58935	0.56076	3.05797	2.93313

1.98E+01	3.01E-01	6.02E-05	2.51E-02	6.55E-01	1.24E-01	6.07E-01	1.11E+00	2.04E+01
1.93E+01	3.23E-01	6.35E-05	2.51E-02	6.58E-01	1.31E-01	6.50E-01	1.19E+00	1.99E+01
1.89E+01	3.29E-01	6.73E-05	2.52E-02	7.10E-01	1.36E-01	6.65E-01	1.21E+00	1.95E+01
1.84E+01	3.25E-01	9.18E-05	2.56E-02	7.05E-01	1.37E-01	6.61E-01	1.20E+00	1.91E+01
1.79E+01	3.44E-01	1.03E-04	2.59E-02	7.60E-01	1.27E-01	6.28E-01	1.27E+00	1.85E+01
1.74E+01	4.48E-01	9.59E-05	2.69E-02	7.54E-01	1.45E-01	5.85E-01	1.65E+00	1.77E+01
1.68E+01	5.10E-01	6.96E-05	2.91E-02	6.82E-01	1.93E-01	6.43E-01	1.88E+00	1.70E+01
1.61E+01	5.40E-01	7.23E-05	3.39E-02	5.69E-01	3.63E-01	7.55E-01	1.99E+00	1.64E+01
1.53E+01	5.61E-01	9.90E-05	4.00E-02	6.28E-01	5.39E-01	8.75E-01	2.06E+00	1.59E+01
1.42E+01	6.04E-01	9.99E-05	4.43E-02	7.59E-01	4.28E-01	9.74E-01	2.22E+00	1.48E+01
1.32E+01	6.36E-01	1.05E-04	4.53E-02	8.43E-01	5.72E-01	1.05E+00	2.34E+00	1.40E+01
1.29E+01	7.33E-01	1.10E-04	4.51E-02	8.65E-01	6.71E-01	1.13E+00	2.70E+00	1.36E+01
1.34E+01	6.17E-01	5.89E-05	4.66E-02	8.22E-01	7.42E-01	1.26E+00	2.27E+00	1.46E+01
1.39E+01	8.67E-01	2.86E-05	5.20E-02	8.04E-01	8.03E-01	1.52E+00	3.19E+00	1.48E+01
1.43E+01	7.65E-01	2.33E-05	5.60E-02	9.15E-01	7.80E-01	1.76E+00	2.82E+00	1.57E+01
1.46E+01	7.53E-01	2.65E-05	6.06E-02	9.78E-01	8.60E-01	1.61E+00	2.77E+00	1.61E+01
1.47E+01	7.18E-01	3.10E-05	5.31E-02	9.80E-01	6.61E-01	1.81E+00	2.64E+00	1.63E+01
1.52E+01	6.62E-01	3.03E-05	7.42E-02	9.30E-01	4.02E-01	2.81E+00	2.44E+00	1.76E+01
1.54E+01	6.33E-01	2.52E-05	1.08E-01	8.32E-01	2.86E-01	2.51E+00	2.33E+00	1.74E+01
1.55E+01	6.30E-01	1.95E-05	1.05E-01	7.04E-01	2.23E-01	2.38E+00	2.32E+00	1.72E+01
1.54E+01	6.59E-01	2.24E-05	7.09E-02	4.79E-01	1.83E-01	2.46E+00	2.43E+00	1.68E+01
1.51E+01	6.72E-01	2.26E-05	6.20E-02	4.00E-01	1.79E-01	2.55E+00	2.48E+00	1.65E+01
1.47E+01	7.10E-01	2.27E-05	5.57E-02	3.87E-01	1.72E-01	2.58E+00	2.62E+00	1.60E+01
1.38E+01	8.01E-01	1.85E-05	4.86E-02	4.54E-01	1.54E-01	3.16E+00	2.95E+00	1.55E+01
1.34E+01	8.97E-01	1.72E-05	4.54E-02	4.76E-01	1.36E-01	3.49E+00	3.30E+00	1.52E+01
1.28E+01	1.13E+00	1.90E-05	3.92E-02	4.94E-01	9.01E-02	4.41E+00	4.17E+00	1.48E+01
1.22E+01	1.18E+00	2.16E-05	3.55E-02	4.91E-01	8.63E-02	4.58E+00	4.33E+00	1.42E+01
1.20E+01	1.16E+00	2.33E-05	3.42E-02	4.87E-01	8.49E-02	4.51E+00	4.27E+00	1.40E+01
1.18E+01	1.13E+00	2.49E-05	3.29E-02	4.83E-01	8.36E-02	4.39E+00	4.15E+00	1.38E+01
1.16E+01	1.11E+00	2.66E-05	3.17E-02	4.79E-01	8.22E-02	4.32E+00	4.08E+00	1.36E+01
1.15E+01	1.08E+00	2.82E-05	3.04E-02	4.74E-01	8.07E-02	4.19E+00	3.96E+00	1.34E+01
1.13E+01	1.01E+00	2.95E-05	2.93E-02	4.69E-01	7.93E-02	3.94E+00	3.72E+00	1.31E+01
1.12E+01	1.00E+00	3.02E-05	2.82E-02	4.64E-01	7.80E-02	3.91E+00	3.69E+00	1.30E+01
1.11E+01	9.64E-01	3.05E-05	2.72E-02	4.59E-01	7.67E-02	3.75E+00	3.55E+00	1.29E+01
1.10E+01	9.37E-01	3.04E-05	2.62E-02	4.53E-01	7.54E-02	3.65E+00	3.45E+00	1.27E+01
1.09E+01	9.32E-01	2.99E-05	2.53E-02	4.48E-01	7.46E-02	3.63E+00	3.43E+00	1.26E+01
1.08E+01	8.83E-01	2.93E-05	2.43E-02	4.42E-01	7.53E-02	3.44E+00	3.25E+00	1.24E+01
1.07E+01	8.43E-01	2.84E-05	2.34E-02	4.35E-01	7.44E-02	3.29E+00	3.10E+00	1.23E+01
1.06E+01	7.99E-01	2.71E-05	2.25E-02	4.29E-01	7.29E-02	3.11E+00	2.94E+00	1.21E+01
1.05E+01	7.68E-01	2.55E-05	2.17E-02	4.23E-01	7.16E-02	2.98E+00	2.83E+00	1.19E+01
1.00E+01	8.80E-01	2.18E-05	2.10E-02	4.11E-01	6.77E-02	3.40E+00	3.24E+00	1.16E+01
9.84E+00	9.61E-01	1.94E-05	2.09E-02	4.06E-01	6.69E-02	3.71E+00	3.54E+00	1.15E+01
9.43E+00	1.08E+00	1.49E-05	2.13E-02	3.98E-01	6.57E-02	4.16E+00	3.97E+00	1.12E+01
9.08E+00	1.14E+00	9.40E-06	2.34E-02	3.90E-01	6.46E-02	4.40E+00	4.20E+00	1.09E+01
8.89E+00	1.14E+00	6.69E-06	2.47E-02	3.84E-01	6.42E-02	4.41E+00	4.19E+00	1.07E+01
8.73E+00	1.15E+00	4.55E-06	2.60E-02	3.77E-01	6.39E-02	4.46E+00	4.22E+00	1.06E+01
8.57E+00	1.16E+00	4.56E-06	2.72E-02	3.69E-01	6.42E-02	4.52E+00	4.27E+00	1.04E+01
8.38E+00	1.14E+00	4.51E-06	2.83E-02	3.59E-01	6.52E-02	4.48E+00	4.21E+00	1.02E+01
8.09E+00	1.30E+00	4.27E-06	2.91E-02	3.44E-01	6.71E-02	5.12E+00	4.78E+00	1.02E+01
7.84E+00	1.29E+00	4.07E-06	3.00E-02	3.34E-01	6.90E-02	5.11E+00	4.75E+00	9.91E+00
7.61E+00	1.27E+00	4.02E-06	3.07E-02	3.22E-01	7.11E-02	5.03E+00	4.67E+00	9.67E+00
7.39E+00	1.25E+00	4.14E-06	3.12E-02	3.10E-01	7.32E-02	4.99E+00	4.62E+00	9.43E+00
7.18E+00	1.25E+00	4.26E-06	3.16E-02	2.98E-01	7.51E-02	5.00E+00	4.61E+00	9.22E+00
6.96E+00	1.26E+00	4.40E-06	3.17E-02	2.86E-01	7.67E-02	5.03E+00	4.64E+00	9.01E+00
6.79E+00	1.33E+00	4.49E-06	3.19E-02	2.79E-01	7.71E-02	5.31E+00	4.88E+00	8.93E+00
6.57E+00	1.33E+00	4.65E-06	3.16E-02	2.76E-01	7.78E-02	5.31E+00	4.89E+00	8.70E+00
6.35E+00	1.32E+00	4.85E-06	3.10E-02	2.72E-01	7.75E-02	5.28E+00	4.86E+00	8.47E+00

6039	479645.02	3850891.18	0.60088	2.93062	0.20049	0.58406	0.58071	0.55144	3.05096	2.93062	6.16E+00	1.32E+00	5.09E-06	3.02E-02	2.68E-01	7.62E-02	5.27E+00	4.86E+00	8.27E+00
6040	479557.17	3850848.54	0.60378	2.91251	0.21187	0.56304	0.57208	0.53379	3.02921	2.91251	6.19E+00	1.31E+00	5.37E-06	2.91E-02	2.64E-01	7.38E-02	5.23E+00	4.83E+00	8.27E+00
6041	479469.32	3850805.89	0.59317	2.95524	0.22225	0.54271	0.56265	0.50481	3.07165	2.95524	6.08E+00	1.33E+00	5.64E-06	2.81E-02	2.59E-01	6.98E-02	5.30E+00	4.90E+00	8.18E+00
6042	479381.46	3850763.24	0.60246	2.89439	0.23741	0.51444	0.55396	0.47114	3.00663	2.89439	6.18E+00	1.30E+00	6.02E-06	2.66E-02	2.55E-01	6.51E-02	5.19E+00	4.80E+00	8.22E+00
6043	479293.61	3850720.59	0.6401	2.76709	0.25628	0.48109	0.54575	0.43284	2.87317	2.76709	6.56E+00	1.25E+00	6.50E-06	2.49E-02	2.52E-01	5.98E-02	4.96E+00	4.58E+00	8.52E+00
6044	479205.76	3850677.95	0.65391	2.69069	0.27527	0.44818	0.5373	0.39003	2.79292	2.69069	6.71E+00	1.21E+00	6.98E-06	2.32E-02	2.48E-01	5.39E-02	4.82E+00	4.46E+00	8.60E+00
6045	479117.9	3850635.3	0.66953	2.56408	0.29597	0.41725	0.52643	0.34663	2.64978	2.56408	6.87E+00	1.15E+00	7.51E-06	2.16E-02	2.43E-01	4.79E-02	4.57E+00	4.25E+00	8.66E+00
6046	479030.05	3850592.65	0.67845	2.49615	0.31532	0.38791	0.51502	0.30297	2.57199	2.49615	6.96E+00	1.12E+00	8.00E-06	2.01E-02	2.37E-01	4.19E-02	4.44E+00	4.14E+00	8.68E+00
6047	478942.19	3850550	0.68365	2.53231	0.3296	0.36028	0.50825	0.25724	2.60928	2.53231	7.01E+00	1.14E+00	8.36E-06	1.87E-02	2.34E-01	3.56E-02	4.50E+00	4.20E+00	8.75E+00
6048	478854.34	3850507.36	0.66917	2.79457	0.33754	0.33518	0.49533	0.23309	2.87591	2.79457	6.86E+00	1.26E+00	8.56E-06	1.74E-02	2.28E-01	3.22E-02	4.97E+00	4.63E+00	8.73E+00
6049	478766.49	3850464.71	0.61577	2.85419	0.35162	0.30549	0.48463	0.22147	2.93231	2.85419	6.31E+00	1.28E+00	8.92E-06	1.58E-02	2.23E-01	3.06E-02	5.06E+00	4.73E+00	8.20E+00
6050	478678.63	3850422.06	0.54806	2.85903	0.36691	0.2764	0.47433	0.20933	2.9339	2.85903	5.62E+00	1.29E+00	9.31E-06	1.43E-02	2.19E-01	2.89E-02	5.07E+00	4.74E+00	7.50E+00
6051	478590.78	3850379.41	0.53984	2.88278	0.38055	0.25862	0.46387	0.20883	2.95535	2.88278	5.54E+00	1.30E+00	9.65E-06	1.34E-02	2.14E-01	2.89E-02	5.10E+00	4.78E+00	7.41E+00
6052	478502.93	3850336.77	0.54298	2.87007	0.39426	0.25248	0.45351	0.20909	2.93921	2.87007	5.57E+00	1.29E+00	1.00E-05	1.31E-02	2.09E-01	2.89E-02	5.07E+00	4.76E+00	7.43E+00
6053	478415.07	3850294.12	0.54431	2.83888	0.40668	0.24612	0.44342	0.20927	2.90228	2.83888	5.58E+00	1.28E+00	1.03E-05	1.27E-02	2.04E-01	2.89E-02	5.01E+00	4.70E+00	7.41E+00
6054	478327.22	3850251.47	0.53988	2.88395	0.41514	0.23985	0.43323	0.20949	2.94684	2.88395	5.54E+00	1.30E+00	1.05E-05	1.24E-02	2.00E-01	2.90E-02	5.09E+00	4.78E+00	7.38E+00
6055	478239.36	3850208.82	0.54275	2.87975	0.42177	0.23342	0.42323	0.20963	2.94026	2.87975	5.57E+00	1.30E+00	1.07E-05	1.21E-02	1.95E-01	2.90E-02	5.08E+00	4.77E+00	7.40E+00
6056	478151.51	3850166.18	0.54613	2.86936	0.42615	0.22691	0.41322	0.20971	2.92526	2.86936	5.60E+00	1.29E+00	1.08E-05	1.17E-02	1.90E-01	2.90E-02	5.05E+00	4.75E+00	7.42E+00
6057	478063.66	3850123.53	0.54834	2.85532	0.42785	0.22038	0.40341	0.20975	2.91399	2.85532	5.62E+00	1.29E+00	1.09E-05	1.14E-02	1.86E-01	2.90E-02	5.03E+00	4.73E+00	7.43E+00
6058	477975.8	3850080.88	0.54513	2.69475	0.45812	0.21337	0.3952	0.20946	2.74584	2.69475	5.59E+00	1.21E+00	1.16E-05	1.10E-02	1.82E-01	2.90E-02	4.74E+00	4.47E+00	7.30E+00
6059	477887.95	3850038.23	0.54648	2.67333	0.48722	0.20675	0.38604	0.20935	2.72078	2.67333	5.60E+00	1.20E+00	1.24E-05	1.07E-02	1.78E-01	2.89E-02	4.70E+00	4.43E+00	7.29E+00
6060	477800.1	3849995.59	0.54695	2.55579	0.51735	0.20009	0.37734	0.20914	2.59905	2.55579	5.61E+00	1.15E+00	1.31E-05	1.04E-02	1.74E-01	2.89E-02	4.49E+00	4.23E+00	7.22E+00
6061	477712.24	3849952.94	0.54972	2.52632	0.54064	0.19374	0.36835	0.20901	2.56445	2.52632	5.64E+00	1.14E+00	1.37E-05	1.00E-02	1.70E-01	2.89E-02	4.43E+00	4.19E+00	7.22E+00
6062	477624.39	3849910.29	0.54311	2.48422	0.56171	0.18749	0.38152	0.20886	2.52038	2.48422	5.57E+00	1.12E+00	1.42E-05	9.71E-03	1.76E-01	2.89E-02	4.35E+00	4.12E+00	7.14E+00
6063	477536.54	3849867.64	0.53329	2.40135	0.58112	0.18871	0.44053	0.20863	2.43156	2.40135	5.47E+00	1.08E+00	1.47E-05	9.77E-03	2.03E-01	2.88E-02	4.20E+00	3.98E+00	7.01E+00
6064	477448.68	3849825	0.53259	2.35823	0.59565	0.1957	0.41212	0.20845	2.38459	2.35823	5.46E+00	1.06E+00	1.51E-05	1.01E-02	1.90E-01	2.88E-02	4.12E+00	3.91E+00	6.96E+00
6065	477360.83	3849782.35	0.53181	2.3149	0.60766	0.20269	0.42518	0.2082	2.33905	2.3149	5.45E+00	1.04E+00	1.54E-05	1.05E-02	1.96E-01	2.88E-02	4.04E+00	3.84E+00	6.93E+00
6066	477272.97	3849739.7	0.53251	2.25866	0.61435	0.20961	0.43816	0.20791	2.27808	2.25866	5.46E+00	1.02E+00	1.56E-05	1.09E-02	2.02E-01	2.87E-02	3.93E+00	3.74E+00	6.91E+00
6067	477185.12	3849697.05	0.53264	2.17971	0.62068	0.21652	0.45271	0.20754	2.19561	2.17971	5.46E+00	9.81E-01	1.57E-05	1.12E-02	2.09E-01	2.87E-02	3.79E+00	3.61E+00	6.87E+00
6068	477097.27	3849654.41	0.5336	2.15335	0.62479	0.22311	0.46313	0.20718	2.16661	2.15335	5.47E+00	9.69E-01	1.58E-05	1.15E-02	2.13E-01	2.86E-02	3.74E+00	3.57E+00	6.87E+00
6069	477009.41	3849611.76	0.53649	2.26995	0.62113	0.22866	0.46652	0.20684	2.28585	2.26995	5.50E+00	1.02E+00	1.58E-05	1.18E-02	2.15E-01	2.86E-02	3.95E+00	3.76E+00	6.96E+00
6070	476841.49	3849530.08	0.53896	2.27088	0.60994	0.2403	0.48919	0.20581	2.28127	2.27088	5.53E+00	1.02E+00	1.55E-05	1.24E-02	2.25E-01	2.85E-02	3.94E+00	3.76E+00	6.99E+00
6071	476761.41	3849491.05	0.53867	2.20559	0.60183	0.2461	0.50262	0.20522	2.21414	2.20559	5.52E+00	9.93E-01	1.53E-05	1.27E-02	2.32E-01	2.84E-02	3.82E+00	3.65E+00	6.96E+00
6072	476681.34	3849452.02	0.53962	2.21734	0.5896	0.25138	0.51276	0.2046	2.22448	2.21734	5.53E+00	9.98E-01	1.50E-05	1.30E-02	2.36E-01	2.83E-02	3.84E+00	3.67E+00	6.98E+00
6073	476601.26	3849412.99	0.54091	2.28369	0.57391	0.25652	0.52176	0.20393	2.28976	2.28369	5.55E+00	1.03E+00	1.46E-05	1.33E-02	2.40E-01	2.82E-02	3.95E+00	3.78E+00	7.03E+00
6074	476456.32	3849353.67	0.53934	2.80214	0.53106	0.27355	0.55025	0.20896	2.82046	2.80214	5.53E+00	1.26E+00	1.35E-05	1.42E-02	2.54E-01	2.89E-02	4.87E+00	4.64E+00	7.31E+00
6075	476305.43	3849318.83	0.53129	2.68892	0.47783	0.30554	0.62769	0.22907	2.7172	2.68892	5.45E+00	1.21E+00	1.21E-05	1.58E-02	2.89E-01	3.17E-02	4.69E+00	4.46E+00	7.23E+00
6076	476129.36	3849289.99	0.54037	2.79851	0.38722	0.34464	0.72244	0.23832	2.82309	2.79851	5.54E+00	1.26E+00	9.82E-06	1.78E-02	3.33E-01	3.29E-02	4.87E+00	4.64E+00	7.42E+00
6077	476039.31	3849275.68	0.53853	2.78458	0.33829	0.36023	0.76565	0.23613	2.80623	2.78458	5.52E+00	1.25E+00	8.58E-06	1.86E-02	3.53E-01	3.26E-02	4.84E+00	4.61E+00	7.41E+00
6078	475949.26	3849261.38	0.54025	2.96504	0.28281	0.38666	0.81641	0.24276	2.98412	2.96504	5.54E+00	1.33E+00	7.17E-06	2.00E-02	3.76E-01	3.36E-02	5.15E+00	4.91E+00	7.54E+00
6079	475859.21	3849247.08	0.53338	3.03549	0.23701	0.39954	0.85561	0.25358	3.05117	3.03549	5.47E+00	1.37E+00	6.01E-06	2.07E-02	3.94E-01	3.51E-02	5.27E+00	5.03E+00	7.52E+00
6080	475769.16	3849232.77	0.52784	3.06814	0.19164	0.4122	0.89222	0.26391	3.08097	3.06814	5.41E+00	1.38E+00	4.86E-06	2.13E-02	4.11E-01	3.65E-02	5.32E+00	5.08E+00	7.50E+00
6081	475585.22	3849219.27	0.52316	2.18745	0.09971	0.47218	0.98479	0.2881	2.20053	2.18745	5.36E+00	9.84E-01	2.53E-06	2.44E-02	4.54E-01	3.98E-02	3.80E+00	3.62E+00	7.04E+00
6082	475444.49	3849150.34	0.79251	4.33994	0.10717	0.44717	0.98719	0.29091	4.35942	4.33994	8.13E+00	1.95E+00	2.72E-06	2.31E-02	4.55E-01	4.02E-02	7.53E+00	7.19E+00	1.09E+01
6083	475334.17	3849118.71	0.72432	4.05668	0.11654	0.43726	0.98489	0.28791	4.08478	4.05668	7.43E+00	1.83E+00	2.96E-06	2.26E-02	4.54E-01	3.98E-02	7.05E+00	6.72E+00	1.01E+01
6084	475230.46	3849060.57	0.59346	3.78966	0.11866	0.4333	0.97791	0.28608	3.81155	3.78966	6.09E+00	1.71E+00	3.01E-06	2.24E-02	4.51E-01	3.96E-02	6.58E+00	6.28E+00	8.60E+00
6085	475110.86	3848960.97	0.50705	3.17704	0.11395	0.43025	0.96447	0.28352	3.20376	3.17704	5.20E+00	1.43E+00	2.89E-06	2.23E-02	4.44E-01	3.92E-02	5.53E+00	5.26E+00	7.40E+00
6086	475037.79	3848896.28	0.54201	3.14827	0.11019	0.43319	0.95756	0.28214	3.17554	3.14827	5.56E+00	1.42E+00	2.80E-06	2.24E-02	4.41E-01	3.90E-02	5.48E+00	5.22E+00	7.74E+00
6087	474964.72	3848831.59	0.59076	3.04183	0.10654	0.43578	0.94738	0.27907	3.0655	3.04183	6.06E+00	1.37E+00	2.70E-06	2.26E-02	4.37E-01	3.86E-02	5.29E+00	5.04E+00	8.18E+00
6088	474891.65	3848766.9	0.59831	2.92898	0.10318	0.43261	0.9329	0.27512	2.94974	2.92898	6.14E+00	1.32E+00	2.62E-06	2.24E-02	4.30E-01	3.80E-02	5.09E+00	4.85E+00	8.18E+00
6089	474818.58	3848702.22	0.59415	2.77529	0.09999	0.42753	0.91671	0.27074	2.79533	2.77529	6.09E+00	1.25E+00	2.54E-06	2.21E-02	4.22E-01	3.74E-02	4.83E+00	4.60E+00	8.05E+00
6090	474745.51	3848637.53	0.55149	2.44977	0.09741	0.40761	0.8919	0.26288	2.46729	2.44977	5.65E+00	1.10E+00	2.47E-06	2.11E-02	4.11E-01	3.63E-02	4.26E+00	4.06E+00	7.43E+00
6091	474672.44	3848572.84	0.53397	2.44936	0.09452	0.39896	0.8731	0.2554	2.47831	2.44936	5.48E+00	1.10E+00	2.40E-06	2.07E-02	4.02E-01	3.53E-02	4.28E+00	4.06E+00	7.26E+00
6092	474599.37	3848508.15	0.53198	2.60336	0.09142	0.39646	0.85868	0.25345	2.63235	2.60336	5.45E+00	1.17E+00	2.32E-06	2.05E-02	3.96E-01	3.50E-02	4.54E+00	4.31E+00	7.31E+00
6093	474526.3	3848443.46	0.5221	2.67661	0.08854	0.39074	0.84134	0.24853	2.70504	2.67661	5.35E+00	1.20E+00	2.25E-06	2.02E-02	3.88E-01	3.44E-02	4.67E+00	4.43E+00	7.24E+00

			PM10 24 hr Concentration [ug/m^3] at 1 g/s								Rates (g/s):	1.85E+01	4.25E-02	2.40E-06	9.32E-02	8.30E-01	2.49E-01	1.63E-01	1.57E-01	
												Unmitigated Concentration [ug/m^3]								
	X	Y	Equipmer	Rail Hauli	Rail Idlin	Off-Site	Solar	33kV	S Main	Remove Ex Main		Equipment	Rail Hauling	Rail Idling	Off-Site	Solar	33kV	S Main	Remove Ex M	Total
1	485973.61	3854936.51	0.35688	0.11104	0.19177	0.24621	0.14374	0.14547	0.1626	0.11104		6.58814507	0.004724581	4.599E-07	0.0229458	0.1192547	0.036207	0.026541	0.01739455	6.780424
2	486023.61	3854936.51	0.35161	0.10252	0.18735	0.2327	0.14133	0.13728	0.1559	0.10252		6.4908588	0.004362068	4.493E-07	0.0216867	0.1172552	0.034169	0.025454	0.01605988	6.677726
3	486073.61	3854936.51	0.34181	0.10429	0.18285	0.22401	0.13443	0.13382	0.1512	0.10429		6.30994695	0.004437379	4.385E-07	0.0208768	0.1115306	0.033307	0.024672	0.01633716	6.488434
4	486123.61	3854936.51	0.33413	0.09882	0.17302	0.2006	0.17107	0.12943	0.1424	0.09882		6.16817113	0.004204639	4.15E-07	0.0186951	0.1419291	0.032215	0.023247	0.01548027	6.372982
5	486173.61	3854936.51	0.33085	0.09675	0.17682	0.1985	0.17961	0.12852	0.1409	0.09675		6.10762104	0.004116563	4.241E-07	0.0184994	0.1490144	0.031988	0.022992	0.01515601	6.319076
6	486223.61	3854936.51	0.32496	0.09555	0.16583	0.19187	0.18998	0.12112	0.1362	0.09555		5.99888932	0.004065505	3.977E-07	0.0178815	0.1576179	0.030146	0.022235	0.01496802	6.215868
7	486273.61	3854936.51	0.31999	0.09455	0.16855	0.1867	0.17113	0.11326	0.1328	0.09455		5.90714117	0.004022957	4.042E-07	0.0173997	0.1419789	0.02819	0.021682	0.01481137	6.105603
8	486323.61	3854936.51	0.31386	0.08611	0.16505	0.18193	0.13896	0.11028	0.1348	0.08611		5.79397896	0.003663848	3.958E-07	0.0169551	0.1152889	0.027448	0.022006	0.01348924	5.965853
9	485973.61	3854986.51	0.36666	0.11379	0.19001	0.26471	0.14017	0.15404	0.1581	0.11379		6.76868771	0.004841589	4.557E-07	0.0246699	0.1162928	0.03834	0.0258	0.01782534	6.960807
10	486023.61	3854986.51	0.36135	0.11191	0.18444	0.25242	0.14837	0.14855	0.1597	0.11191		6.67066303	0.004761598	4.423E-07	0.0235245	0.123096	0.036974	0.026059	0.01753084	6.867548
11	486073.61	3854986.51	0.35598	0.10654	0.18155	0.23984	0.14311	0.14262	0.1577	0.10654		6.57153072	0.004533113	4.354E-07	0.0223521	0.118732	0.035498	0.025748	0.01668962	6.761704
12	486123.61	3854986.51	0.35076	0.1	0.17335	0.22808	0.14859	0.13702	0.1517	0.1		6.47516746	0.004254846	4.158E-07	0.0212561	0.1232785	0.034104	0.024757	0.01566512	6.667153
13	486173.61	3854986.51	0.34131	0.10164	0.17008	0.21961	0.17739	0.13345	0.1479	0.10164		6.30071675	0.004324625	4.079E-07	0.0204667	0.1471726	0.033215	0.02414	0.01592203	6.514114
14	486223.61	3854986.51	0.33527	0.09658	0.16228	0.20458	0.19014	0.12815	0.142	0.09658		6.18921598	0.00410933	3.892E-07	0.019066	0.1577507	0.031896	0.02317	0.01512937	6.410079
15	486273.61	3854986.51	0.3287	0.09318	0.15569	0.18911	0.19334	0.12366	0.1356	0.09318		6.06793119	0.003964665	3.734E-07	0.0176243	0.1604056	0.030779	0.022126	0.01459676	6.288234
16	486323.61	3854986.51	0.32608	0.09525	0.16725	0.18982	0.16978	0.1216	0.1346	0.09525		6.01956496	0.004052741	4.011E-07	0.0176904	0.1408589	0.030266	0.021967	0.01492103	6.21948
17	485973.61	3855036.51	0.38208	0.11472	0.19087	0.27287	0.13695	0.1708	0.1694	0.11472		7.05334697	0.004881159	4.578E-07	0.0254304	0.1136213	0.042512	0.027646	0.01797103	7.249467
18	486023.61	3855036.51	0.37046	0.11379	0.18637	0.26574	0.14598	0.16453	0.1623	0.11379		6.83883721	0.004841589	4.47E-07	0.0247659	0.1211131	0.040951	0.026485	0.01782534	7.039169
19	486073.61	3855036.51	0.36474	0.11185	0.17583	0.25669	0.15062	0.15709	0.155	0.11185		6.73324376	0.004759045	4.217E-07	0.0239224	0.1249627	0.039099	0.025294	0.01752144	6.93376
20	486123.61	3855036.51	0.35936	0.10937	0.1772	0.25085	0.14455	0.15101	0.1512	0.10937		6.63392684	0.004653525	4.25E-07	0.0233782	0.1199267	0.037586	0.02468	0.01713294	6.827019
21	486173.61	3855036.51	0.35457	0.10246	0.1651	0.24914	0.1748	0.14711	0.1479	0.10246		6.54550156	0.004359515	3.96E-07	0.0232188	0.1450238	0.036615	0.02414	0.01605048	6.762809
22	486223.61	3855036.51	0.34409	0.1008	0.16963	0.23813	0.18378	0.14	0.1415	0.1008		6.35203664	0.004288885	4.068E-07	0.0221927	0.1524741	0.034846	0.023089	0.01579044	6.573136
23	486273.61	3855036.51	0.33983	0.0989	0.17356	0.22528	0.21081	0.13704	0.1391	0.0989		6.27339537	0.004208042	4.163E-07	0.0209952	0.1748996	0.034109	0.022699	0.01549281	6.514813
24	486323.61	3855036.51	0.33417	0.09597	0.17865	0.20689	0.19942	0.13171	0.1344	0.09597		6.16890954	0.004083375	4.285E-07	0.0192813	0.1654499	0.032782	0.021935	0.01503382	6.397408
25	485973.61	3855086.51	0.40307	0.11387	0.20401	0.26972	0.14303	0.17435	0.1737	0.11387		7.44083062	0.004844993	4.893E-07	0.0251368	0.1186656	0.043395	0.02835	0.01783787	7.643385
26	486023.61	3855086.51	0.38909	0.11415	0.19869	0.2635	0.14227	0.16968	0.171	0.11415		7.18275433	0.004856906	4.765E-07	0.0245571	0.1180351	0.042233	0.027915	0.01788174	7.38247
27	486073.61	3855086.51	0.37513	0.11325	0.19134	0.24978	0.15206	0.16279	0.1657	0.11325		6.92504724	0.004818613	4.589E-07	0.0232785	0.1261574	0.040518	0.027047	0.01774075	7.129126
28	486123.61	3855086.51	0.36796	0.11225	0.18133	0.24488	0.15317	0.1585	0.1588	0.11225		6.79268622	0.004776064	4.349E-07	0.0228218	0.1270783	0.03945	0.025919	0.0175841	6.995148
29	486173.61	3855086.51	0.36239	0.11009	0.18631	0.23874	0.15962	0.15225	0.1545	0.11009		6.68986184	0.00468416	4.468E-07	0.0222496	0.1324296	0.037895	0.025212	0.01724573	6.895087
30	486223.61	3855086.51	0.35729	0.10563	0.19047	0.23449	0.18144	0.14805	0.1437	0.10563		6.59571383	0.004494394	4.568E-07	0.0218535	0.1505327	0.036849	0.023453	0.01654707	6.81635
31	485973.61	3855136.51	0.40635	0.11185	0.21483	0.28724	0.14258	0.18664	0.1834	0.11185		7.50138071	0.004759045	5.152E-07	0.0267696	0.1182923	0.046454	0.029938	0.01752144	7.710073
32	486023.61	3855136.51	0.40333	0.11284	0.20167	0.27609	0.15656	0.17731	0.1729	0.11284		7.44563033	0.004801168	4.837E-07	0.0257304	0.1298908	0.044132	0.028217	0.01767652	7.660726
33	486073.61	3855136.51	0.39682	0.11319	0.211	0.26204	0.14841	0.16865	0.1698	0.11319		7.32545317	0.00481606	5.06E-07	0.024421	0.1231292	0.041976	0.027711	0.01773135	7.529776
34	486123.61	3855136.51	0.38238	0.11302	0.21324	0.2512	0.15856	0.16343	0.1675	0.11302		7.05888509	0.004808827	5.114E-07	0.0234108	0.1315502	0.040677	0.027341	0.01770472	7.268969
35	486173.61	3855136.51	0.3703	0.11207	0.20543	0.23991	0.15534	0.15784	0.1626	0.11207		6.83588354	0.004768406	4.927E-07	0.0223586	0.1288787	0.039286	0.026544	0.0175559	7.040164
36	486223.61	3855136.51	0.36488	0.11056	0.1959	0.23051	0.17878	0.15265	0.1574	0.11056		6.73582821	0.004704157	4.698E-07	0.0214826	0.1483258	0.037994	0.025699	0.01731936	6.956715
37	485973.61	3855186.51	0.40475	0.10802	0.21549	0.30183	0.14902	0.19417	0.1985	0.10802		7.47184408	0.004596084	5.168E-07	0.0281293	0.1236352	0.048328	0.032393	0.01692146	7.692005
38	486023.61	3855186.51	0.4019	0.11045	0.22628	0.28961	0.14978	0.18617	0.1889	0.11045		7.41923196	0.004699477	5.427E-07	0.0269905	0.1242658	0.046337	0.030827	0.01730213	7.635051
39	486073.61	3855186.51	0.39957	0.1115	0.21722	0.27616	0.15882	0.17921	0.1785	0.1115		7.37621925	0.004744153	5.21E-07	0.025737	0.1317659	0.044605	0.029143	0.01746661	7.594748
40	486123.61	3855186.51	0.39611	0.11201	0.21505	0.26353	0.15486	0.17257	0.1688	0.11201		7.31234629	0.004765853	5.158E-07	0.0245599	0.1284804	0.042952	0.027548	0.0175465	7.523107
41	486173.61	3855186.51	0.38947	0.11215	0.20832	0.25174	0.16311	0.16736	0.1628	0.11215		7.18976928	0.00477181	4.996E-07	0.0234611	0.1353251	0.041655	0.026572	0.01756843	7.403987
42	486223.61	3855186.51	0.37535	0.11167	0.21327	0.23987	0.17172	0.15973	0.1536	0.11167		6.92910853	0.004751386	5.115E-07	0.0223549	0.1424684	0.039756	0.025065	0.01749324	7.146012
43	486273.61	3855186.51	0.36665	0.11044	0.18687	0.23176	0.18589	0.15186	0.1535	0.11044		6.76850311	0.004699052	4.482E-07	0.0215991	0.1542246	0.037797	0.025062	0.01730056	6.994585
44	486323.61	3855186.51	0.36254	0.10957	0.1783	0.23158	0.20441	0.15185	0.1548	0.10957		6.69263089	0.004662035	4.276E-07	0.0215823	0.1695899	0.037795	0.025263	0.01716427	6.934359
45	485973.61	3855236.51	0.40615	0.1029	0.27061	0.33758	0.19163	0.2063	0.2039	0.1029		7.49768863	0.004378236	6.49E-07	0.0314611	0.1589869	0.051347	0.033284	0.01611941	7.761027
46	486023.61	3855236.51	0.40223	0.10499	0.254	0.31633	0.15533	0.19951	0.1917	0.10499		7.42532389	0.004467163	6.092E-07	0.0294806	0.1288704	0.049657	0.031296	0.01644681	7.652649
47	486073.61	3855236.51	0.39947	0.10733	0.24633	0.29684	0.16407	0.19063	0.1791	0.10733		7.37437321	0.004566726	5.908E-07	0.0276643	0.1361216	0.047447	0.029228	0.01681338	7.602588
48	486123.61	3855236.51	0.39554	0.1099	0.23224	0.28221	0.16109	0.18402	0.1704	0.1099		7.30182386	0.004676075	5.57E-07	0.0263008	0.1336492	0.045802	0.027813	0.01721597	7.522849
49	486173.61	3855236.51	0.39073	0.11091	0.21001	0.2716	0.16174	0.17787	0.1623	0.11091		7.21302937	0.004719049	5.037E-07	0.025312	0.1341885	0.044271	0.026494	0.01737419	7.43064
50	486223.61	3855236.51	0.38471	0.11127	0.19798	0.25501	0.16594	0.17203	0.1591	0.11127		7.10189781	0.004734367	4.748E-07	0.0237659	0.137673	0.042818	0.025968	0.01743058	7.319427
51	486273.61	3855236.51	0.37574	0.11058	0.19194	0.23948	0.18304	0.16506	0.1572	0.11058		6.93630808	0.004705008	4.603E-07	0.0223185	0.1518601	0.041083	0.025658	0.01732249	7.164611
52	486323.61	3855236.51	0.36907	0.11112	0.18815	0.24035	0.19342	0.16467	0.1582	0.11112		6.81317726	0.004727985	4.512E-07	0.0223996	0.1604719	0.040986	0.025829	0.01740708	7.050185
53	485973.61	3855286.51	0.41616	0.0989	0.27986	0.35467	0.24741	0.22414	0.2093	0.0989		7.68247717	0.004208042	6.712E-07	0.0330538	0.205265	0.055788	0.034162	0.01549281	7.999462

54	486023.61	3855286.51	0.41315	0.09992	0.29973	0.3375	0.20218	0.21165	0.1983	0.09992	7.62691139	0.004251442	7.189E-07	0.0314536	0.1677397	0.052679	0.03237	0.01565259	7.899753
55	486073.61	3855286.51	0.40895	0.10187	0.24915	0.32139	0.1617	0.20459	0.1867	0.10187	7.54937774	0.004334411	5.975E-07	0.0299522	0.1341553	0.050922	0.030476	0.01595806	7.78326
56	486123.61	3855286.51	0.40466	0.1041	0.18747	0.3055	0.16976	0.19755	0.1857	0.1041	7.47018265	0.004429294	4.496E-07	0.0284713	0.1408423	0.04917	0.030315	0.01630739	7.707103
57	486173.61	3855286.51	0.39965	0.10671	0.18102	0.29267	0.16341	0.19009	0.1718	0.10671	7.37769608	0.004540346	4.341E-07	0.0272756	0.135574	0.047313	0.028048	0.01671625	7.603731
58	486223.61	3855286.51	0.39391	0.10948	0.17523	0.28507	0.16898	0.18352	0.1591	0.10948	7.27173342	0.004658205	4.203E-07	0.0265673	0.1401952	0.045678	0.025968	0.01715018	7.49765
59	486123.61	3855336.51	0.41623	0.09858	0.22731	0.32523	0.17726	0.20999	0.1893	0.09858	7.6837694	0.004194427	5.452E-07	0.0303101	0.1470647	0.052266	0.030893	0.01544268	7.933055
60	486173.61	3855336.51	0.41094	0.10114	0.19262	0.31031	0.1755	0.20102	0.1827	0.10114	7.58611392	0.004303351	4.62E-07	0.0289196	0.1456045	0.050033	0.029822	0.0158437	7.828953
61	486223.61	3855336.51	0.40577	0.10375	0.20124	0.29733	0.16583	0.18958	0.174	0.10375	7.49067369	0.004414402	4.826E-07	0.0277099	0.1375817	0.047186	0.028397	0.01625256	7.71971
62	486123.61	3855386.51	0.42721	0.09416	0.25036	0.32101	0.22449	0.22147	0.1943	0.09416	7.88646451	0.004006363	6.004E-07	0.0299168	0.1862493	0.055123	0.03172	0.01475028	8.178731
63	486173.61	3855386.51	0.42219	0.09604	0.25964	0.31346	0.21045	0.21079	0.1909	0.09604	7.79379334	0.004086354	6.227E-07	0.0292132	0.174601	0.052465	0.031165	0.01504478	8.07028
64	486223.61	3855386.51	0.41684	0.09855	0.25592	0.3075	0.18131	0.20279	0.1883	0.09855	7.69503024	0.004193151	6.138E-07	0.0286577	0.1504248	0.050474	0.030741	0.01543798	7.944083
65	486533.18	3855443.15	0.39512	0.10797	0.241	0.26324	0.28598	0.181	0.1621	0.10797	7.2940705	0.004593957	5.78E-07	0.0245329	0.2372648	0.04505	0.026464	0.01691363	7.615064
66	486583.18	3855443.15	0.38004	0.10792	0.23559	0.25923	0.25724	0.17604	0.1552	0.10792	7.01568777	0.00459183	5.65E-07	0.0241592	0.2134205	0.043816	0.025328	0.0169058	7.310098
67	486633.18	3855443.15	0.37197	0.10729	0.22675	0.25275	0.24113	0.17143	0.1462	0.10729	6.8667124	0.004565024	5.438E-07	0.0235553	0.2000548	0.042668	0.023867	0.01680711	7.144617
68	486683.18	3855443.15	0.36606	0.10625	0.23242	0.24565	0.27924	0.16851	0.1453	0.10625	6.75761148	0.004520774	5.574E-07	0.0228936	0.231673	0.041942	0.023715	0.01664419	7.065712
69	486533.18	3855493.15	0.40608	0.10601	0.25581	0.26704	0.2794	0.18557	0.1739	0.10601	7.49639641	0.004510562	6.135E-07	0.024887	0.2318057	0.046188	0.02839	0.0166066	7.815572
70	486583.18	3855493.15	0.4008	0.10683	0.25543	0.25614	0.28642	0.17977	0.1684	0.10683	7.39892553	0.004545452	6.126E-07	0.0238712	0.2376299	0.044744	0.027486	0.01673505	7.720468
71	486633.18	3855493.15	0.38539	0.10709	0.2532	0.25252	0.25641	0.17511	0.1625	0.10709	7.11445088	0.004556514	6.073E-07	0.0235338	0.2127319	0.043584	0.026516	0.01677578	7.408599
72	486683.18	3855493.15	0.37689	0.10681	0.24797	0.24882	0.25893	0.17084	0.1562	0.10681	6.95753753	0.004544601	5.947E-07	0.023189	0.2148227	0.042521	0.025503	0.01673192	7.251387
73	486533.18	3855543.15	0.41645	0.10055	0.27414	0.26615	0.26318	0.19222	0.1727	0.10055	7.68783068	0.004278247	6.575E-07	0.0248041	0.2183487	0.047843	0.028191	0.01575128	7.995545
74	486583.18	3855543.15	0.41189	0.1032	0.25977	0.25828	0.3075	0.18587	0.1717	0.1032	7.60365129	0.004391001	6.23E-07	0.0240706	0.255119	0.046262	0.02802	0.01616641	7.945348
75	486633.18	3855543.15	0.40651	0.10546	0.24481	0.25313	0.28629	0.18248	0.1702	0.10546	7.50433438	0.00448716	5.871E-07	0.0235907	0.237522	0.045419	0.027777	0.01652044	7.82661
76	486683.18	3855543.15	0.39046	0.10581	0.22655	0.2438	0.25431	0.17376	0.1672	0.10581	7.20804507	0.004502052	5.433E-07	0.0227212	0.2109897	0.043248	0.027285	0.01657527	7.500217
77	486533.18	3855593.15	0.42708	0.09512	0.26426	0.27327	0.24503	0.19329	0.1653	0.09512	7.88406466	0.004047209	6.338E-07	0.0254676	0.2032905	0.048109	0.026985	0.01490066	8.177064
78	486583.18	3855593.15	0.42227	0.09764	0.25585	0.26864	0.29252	0.18691	0.1641	0.09764	7.79527017	0.004154431	6.136E-07	0.0250361	0.2426908	0.046521	0.026779	0.01529542	8.125157
79	486633.18	3855593.15	0.41714	0.10054	0.25921	0.26405	0.31598	0.18197	0.1631	0.10054	7.70056835	0.004277822	6.217E-07	0.0246084	0.2621545	0.045292	0.026621	0.01574971	8.047773
80	486683.18	3855593.15	0.4109	0.10395	0.26248	0.2486	0.28634	0.17926	0.1624	0.10395	7.5853755	0.004422912	6.295E-07	0.0231685	0.2375635	0.044617	0.026507	0.01628389	7.905371
81	486533.18	3855643.15	0.43453	0.09076	0.29828	0.29828	0.22598	0.19857	0.1671	0.09076	8.02159459	0.003861698	7.154E-07	0.0277985	0.1874855	0.049423	0.027267	0.01421766	8.303214
82	486583.18	3855643.15	0.4305	0.09281	0.29113	0.28174	0.27574	0.19235	0.1591	0.09281	7.94719921	0.003948922	6.982E-07	0.026257	0.2287692	0.047875	0.025962	0.0145388	8.265473
83	486633.18	3855643.15	0.4267	0.09529	0.27816	0.27379	0.32319	0.18661	0.1563	0.09529	7.87704971	0.004054443	6.671E-07	0.0255161	0.2681363	0.046447	0.025504	0.01492729	8.231781
84	486683.18	3855643.15	0.42191	0.09806	0.26548	0.2604	0.31735	0.18181	0.1552	0.09806	7.78862443	0.004172302	6.367E-07	0.0242682	0.2632911	0.045252	0.025327	0.01536122	8.135574
85	486533.18	3855693.15	0.44016	0.08776	0.31259	0.30438	0.22758	0.20676	0.1674	0.08776	8.1255266	0.003734053	7.497E-07	0.028367	0.188813	0.051462	0.027318	0.01374771	8.411473
86	486583.18	3855693.15	0.43842	0.08863	0.29069	0.29563	0.25702	0.1968	0.1654	0.08863	8.09340552	0.00377107	6.972E-07	0.0275515	0.213238	0.048983	0.027003	0.013884	8.400069
87	486633.18	3855693.15	0.4366	0.08993	0.27361	0.28365	0.3067	0.18837	0.1659	0.08993	8.0598076	0.003826383	6.562E-07	0.026435	0.2544553	0.046885	0.02708	0.01408764	8.404402
88	486683.18	3855693.15	0.43131	0.09292	0.2777	0.27381	0.348	0.18578	0.1565	0.09292	7.96215212	0.003953603	6.66E-07	0.025518	0.2887201	0.04624	0.025544	0.01455603	8.337572
89	486733.18	3855693.15	0.42458	0.09673	0.26952	0.26607	0.3202	0.18539	0.1502	0.09673	7.83791368	0.004115712	6.464E-07	0.0247966	0.2656556	0.046143	0.024517	0.01515287	8.187989
90	486783.18	3855693.15	0.41466	0.10104	0.26304	0.26473	0.30237	0.18219	0.1508	0.10104	7.65478658	0.004299096	6.309E-07	0.0246717	0.2508629	0.045346	0.024618	0.01582804	7.988758
91	486533.18	3855743.15	0.44667	0.08494	0.30463	0.31739	0.30172	0.21106	0.1686	0.08494	8.24570376	0.003614066	7.306E-07	0.0295794	0.2503236	0.052532	0.027512	0.01330595	8.59596
92	486583.18	3855743.15	0.44711	0.08494	0.2855	0.29904	0.23687	0.19963	0.1627	0.08494	8.25382633	0.003614066	6.847E-07	0.0278693	0.1965205	0.049687	0.026551	0.01330595	8.544763
93	486633.18	3855743.15	0.44447	0.08614	0.28302	0.29158	0.28957	0.19261	0.1611	0.08614	8.2050909	0.003665124	6.788E-07	0.027174	0.2402433	0.04794	0.026301	0.01349394	8.536921
94	486683.18	3855743.15	0.43822	0.08901	0.29173	0.28549	0.34167	0.19139	0.1601	0.08901	8.08971344	0.003787238	6.997E-07	0.0266065	0.2834683	0.047636	0.026128	0.01394352	8.463397
95	486733.18	3855743.15	0.43371	0.09172	0.29483	0.27557	0.35211	0.18859	0.1592	0.09172	8.00645707	0.003902545	7.071E-07	0.025682	0.2921299	0.046939	0.025991	0.01436805	8.386735
96	486783.18	3855743.15	0.42545	0.09604	0.30915	0.27687	0.32375	0.18821	0.153	0.09604	7.85397422	0.004086354	7.414E-07	0.0258031	0.2686009	0.046845	0.024977	0.01504478	8.209243
97	486533.18	3855793.15	0.45258	0.08246	0.30521	0.33994	0.3749	0.21722	0.1735	0.08246	8.35480468	0.003508546	7.32E-07	0.031681	0.3110378	0.054065	0.028322	0.01291746	8.770502
98	486583.18	3855793.15	0.45667	0.08163	0.2969	0.30759	0.30591	0.20151	0.159	0.08163	8.43030769	0.003473231	7.121E-07	0.0286661	0.2537999	0.050155	0.025957	0.01278744	8.779572
99	486633.18	3855793.15	0.45011	0.08381	0.29826	0.30181	0.27161	0.19973	0.1585	0.08381	8.30920751	0.003565986	7.153E-07	0.0281274	0.2253427	0.049712	0.025868	0.01312894	8.628696
100	486683.18	3855793.15	0.44374	0.08635	0.299	0.29403	0.32751	0.19859	0.1578	0.08635	8.19161481	0.003674059	7.171E-07	0.0274024	0.2717204	0.049428	0.025753	0.01352683	8.556067
101	486733.18	3855793.15	0.43874	0.08879	0.28692	0.28554	0.37808	0.19568	0.1567	0.08879	8.09931284	0.003777878	6.881E-07	0.0266111	0.3136761	0.048704	0.025583	0.01390906	8.503757
102	486783.18	3855793.15	0.43331	0.09169	0.29644	0.28127	0.35755	0.19321	0.1557	0.09169	7.99907291	0.003901268	7.11E-07	0.0262132	0.2966433	0.048089	0.02541	0.01436335	8.384967
103	486533.18	3855843.15	0.46135	0.08026	0.3262	0.34067	0.43463	0.22183	0.1793	0.08026	8.51670233	0.003414939	7.823E-07	0.031749	0.3605931	0.055213	0.02927	0.01257283	8.98437
104	486583.18	3855843.15	0.46293	0.08026	0.31083	0.3174	0.38541	0.20901	0.1638	0.08026	8.54586975	0.003414939	7.455E-07	0.0295804	0.3197575	0.052022	0.026737	0.01257283	8.964809
105	486633.18	3855843.15	0.45621	0.08167	0.31502	0.30491	0.32574	0.20716	0.1638	0.08167	8.42181591	0.003474933	7.555E-07	0.0284164	0.2702519	0.051561	0.026743	0.0127937	8.789471
106	486683.18	3855843.15	0.44989	0.0838	0.3107	0.29845	0.31076	0.20558	0.1574	0.0838	8.30514623	0.003565561	7.452E-07	0.0278143	0.2578237	0.051168	0.025689	0.01312737	8.65808
107	486733.18	3855843.15	0.44399	0.08613	0.30338	0.29284	0.36639	0.20398	0.1543	0.08613	8.19622991	0.003664699	7.276E-07	0.0272915	0.3039774	0.05077	0.02518	0.01349237	8.593621
108	486783.18	3855843.15	0.43881	0.08848	0.29528	0.29014	0.39208	0.20108	0.1534	0.08848	8.10060507	0.003764688	7.082E-07	0.0270398	0.3252913	0.050048	0.025031	0.0138605	8.51792
109	486533.18	3855893.15	0.47425	0.07901	0.33253	0.36856	0.42725	0.22361	0.1857	0.07901	8.7548414	0.003361754	7.975E-07	0.0343483	0.3544702	0.055656	0.030318	0.01237701	9.220619
110	486583.18	3855893.15	0.46764	0.07907	0.32648	0.34702	0.45211	0.21966	0.1741	0.07907	8.6328182	0.003364307	7.83E-07	0.0323408	0.3750955	0.054673	0.028423	0.01238641	9.114329

111	486633.18	3855893.15	0.46202	0.07994	0.31606	0.32237	0.41997	0.21552	0.1635	0.07994	8.52907079	0.003401324	7.58E-07	0.0300436	0.3484304	0.053642	0.026694	0.0125227	8.978761
112	486683.18	3855893.15	0.45575	0.0813	0.30681	0.31083	0.34727	0.21293	0.1633	0.0813	8.41332413	0.00345919	7.358E-07	0.0289681	0.2881144	0.052998	0.026655	0.01273574	8.800784
113	486733.18	3855893.15	0.44977	0.08342	0.31091	0.30489	0.35222	0.21063	0.1629	0.08342	8.30293098	0.003549392	7.457E-07	0.0284145	0.2922212	0.052425	0.026583	0.01306784	8.693057
114	486783.18	3855893.15	0.44314	0.08576	0.30687	0.30415	0.40675	0.2095	0.1586	0.08576	8.18053857	0.003648956	7.36E-07	0.0283455	0.3374623	0.052144	0.025888	0.01343441	8.614594
115	486533.18	3855943.15	0.48174	0.07831	0.32671	0.3991	0.41235	0.23158	0.1883	0.07831	8.89310975	0.00333197	7.836E-07	0.0371945	0.3421084	0.057639	0.030739	0.01226736	9.351857
116	486583.18	3855943.15	0.47217	0.07933	0.33542	0.37941	0.4508	0.23007	0.189	0.07933	8.71644378	0.003375369	8.045E-07	0.0353594	0.3740086	0.057264	0.030844	0.01242714	9.204868
117	486633.18	3855943.15	0.46757	0.07976	0.33693	0.34978	0.47237	0.22387	0.1848	0.07976	8.63152598	0.003393665	8.081E-07	0.032598	0.3919043	0.05572	0.030158	0.0124945	9.132807
118	486683.18	3855943.15	0.46025	0.08042	0.33986	0.32963	0.45988	0.22081	0.1689	0.08042	8.4963959	0.003421747	8.151E-07	0.0307202	0.3815419	0.054959	0.027561	0.01259789	8.982003
119	486733.18	3855943.15	0.45515	0.08142	0.33831	0.31768	0.37038	0.21761	0.1635	0.08142	8.40224789	0.003464295	8.114E-07	0.0296065	0.3072877	0.054162	0.026688	0.01275454	8.810703
120	486783.18	3855943.15	0.44785	0.08251	0.33752	0.3106	0.39611	0.21642	0.1632	0.08251	8.26748702	0.003510673	8.095E-07	0.0289466	0.3286348	0.053866	0.026645	0.01292529	8.696166
121	486533.18	3855993.15	0.48686	0.07768	0.34726	0.43739	0.38794	0.25438	0.2003	0.07768	8.98762696	0.003305164	8.328E-07	0.0407629	0.3218565	0.063314	0.032701	0.01216867	9.437399
122	486583.18	3855993.15	0.47938	0.0788	0.35708	0.42092	0.43907	0.23932	0.1954	0.0788	8.84954322	0.003352818	8.564E-07	0.039228	0.3642768	0.059566	0.031888	0.01234412	9.335512
123	486633.18	3855993.15	0.47307	0.07936	0.36443	0.39898	0.47425	0.23435	0.1916	0.07936	8.73305814	0.003376646	8.74E-07	0.0371833	0.3934641	0.058329	0.03128	0.01243184	9.24426
124	486683.18	3855993.15	0.4657	0.08018	0.3715	0.35924	0.49934	0.23234	0.1909	0.08018	8.59700504	0.003411535	8.91E-07	0.0334797	0.4142801	0.057829	0.031152	0.01256029	9.124598
125	486733.18	3855993.15	0.4599	0.08084	0.37496	0.34503	0.49825	0.22424	0.1796	0.08084	8.48993476	0.003439617	8.993E-07	0.0321554	0.4133758	0.055813	0.029314	0.01266368	9.01137
126	486783.18	3855993.15	0.45324	0.08169	0.37747	0.33541	0.40594	0.22047	0.1684	0.08169	8.36698854	0.003475784	9.053E-07	0.0312588	0.3367903	0.054874	0.027486	0.01279684	8.808078
127	486533.18	3856043.15	0.49367	0.07771	0.34746	0.50532	0.48253	0.27637	0.2191	0.07771	9.11334223	0.003306441	8.333E-07	0.0470937	0.4003336	0.068788	0.035757	0.01217337	9.656448
128	486583.18	3856043.15	0.48493	0.07733	0.35815	0.45177	0.45361	0.25746	0.2111	0.07733	8.9519984	0.003290272	8.59E-07	0.0421031	0.37634	0.064081	0.034453	0.01211384	9.460152
129	486633.18	3856043.15	0.47912	0.0786	0.3449	0.43462	0.46653	0.24507	0.2027	0.0786	8.84474352	0.003344309	8.272E-07	0.0405048	0.3870591	0.060997	0.03309	0.01231279	9.357427
130	486683.18	3856043.15	0.47099	0.07991	0.33683	0.41289	0.4997	0.24085	0.1995	0.07991	8.69466052	0.003400047	8.078E-07	0.0384796	0.4145788	0.059947	0.032561	0.012518	9.231109
131	486733.18	3856043.15	0.46537	0.08037	0.32486	0.38016	0.58948	0.23585	0.1952	0.08037	8.59091311	0.00341962	7.791E-07	0.0354293	0.4890652	0.058702	0.031865	0.01259006	9.196806
132	486783.18	3856043.15	0.45704	0.08131	0.31796	0.36689	0.51717	0.2318	0.189	0.08131	8.43713804	0.003459615	7.626E-07	0.0341926	0.4290729	0.057694	0.030845	0.01273731	8.979666
133	486533.18	3856093.15	0.50011	0.07622	0.328	0.54349	0.52812	0.31245	0.2489	0.07622	9.23222717	0.003243043	7.867E-07	0.050651	0.4381576	0.077768	0.040629	0.01193996	9.830737
134	486583.18	3856093.15	0.49229	0.07717	0.32783	0.50936	0.49923	0.29264	0.2342	0.07717	9.08786689	0.003283464	7.862E-07	0.0474702	0.4141888	0.072837	0.038227	0.01208877	9.651785
135	486633.18	3856093.15	0.48534	0.0768	0.32739	0.47796	0.46617	0.2668	0.2221	0.0768	8.95956716	0.003267722	7.852E-07	0.0445439	0.3867604	0.066406	0.036247	0.01203081	9.484761
136	486683.18	3856093.15	0.47733	0.07834	0.33256	0.4456	0.4958	0.25843	0.2141	0.07834	8.81169941	0.003333246	7.976E-07	0.0415281	0.4113431	0.064322	0.034941	0.01227206	9.354896
137	486733.18	3856093.15	0.47054	0.07979	0.33426	0.41797	0.55014	0.24897	0.207	0.07979	8.68635334	0.003394941	8.017E-07	0.0389531	0.4564266	0.061968	0.033788	0.0124992	9.268386
138	486783.18	3856093.15	0.46249	0.0809	0.32261	0.39555	0.62906	0.24601	0.2032	0.0809	8.53774718	0.00344217	7.737E-07	0.0368636	0.521903	0.061231	0.033171	0.01267308	9.181686
139	486533.18	3856143.15	0.50936	0.07903	0.34593	0.63241	0.56629	0.33034	0.2777	0.07903	9.4029858	0.003362605	8.297E-07	0.058938	0.4698255	0.082221	0.04533	0.01238015	10.05028
140	486583.18	3856143.15	0.50185	0.07561	0.34164	0.55779	0.54263	0.3175	0.2622	0.07561	9.26434825	0.003217089	8.194E-07	0.0519837	0.4501959	0.079025	0.04279	0.0118444	9.879716
141	486633.18	3856143.15	0.49285	0.07664	0.34592	0.50577	0.51324	0.30667	0.2473	0.07664	9.09820471	0.003260914	8.296E-07	0.0471357	0.4258123	0.076329	0.040371	0.01200575	9.679109
142	486683.18	3856143.15	0.48476	0.07642	0.34836	0.47901	0.53845	0.28257	0.2344	0.07642	8.94886013	0.003251553	8.355E-07	0.0446418	0.4467279	0.070331	0.038256	0.01197129	9.540098
143	486733.18	3856143.15	0.47674	0.07784	0.34443	0.45422	0.52573	0.27114	0.224	0.07784	8.80080778	0.003311972	8.261E-07	0.0423314	0.4361747	0.067486	0.03657	0.01219373	9.374489
144	486783.18	3856143.15	0.4668	0.07966	0.33811	0.43671	0.75364	0.26449	0.2186	0.07966	8.61731147	0.00338941	8.109E-07	0.0406996	0.6252615	0.065831	0.035685	0.01247884	9.3757
145	486533.18	3856193.15	0.51952	0.07976	0.32746	0.74113	0.59762	0.35639	0.2779	0.07976	9.59054339	0.003393665	7.854E-07	0.0690702	0.4958186	0.088704	0.045368	0.0124945	10.2804
146	486583.18	3856193.15	0.51168	0.07944	0.31888	0.6857	0.58156	0.34078	0.271	0.07944	9.44581391	0.003380049	7.648E-07	0.0639044	0.4824944	0.084819	0.044232	0.01244437	10.1122
147	486633.18	3856193.15	0.50194	0.0776	0.31441	0.61894	0.55792	0.32836	0.2627	0.0776	9.26600968	0.00330176	7.541E-07	0.0576826	0.4628813	0.081728	0.042872	0.01215613	9.90232
148	486683.18	3856193.15	0.49136	0.07927	0.31159	0.55608	0.63266	0.31301	0.252	0.07927	9.07069873	0.003372816	7.473E-07	0.0518244	0.5248898	0.077907	0.04114	0.01241774	9.757416
149	486733.18	3856193.15	0.48318	0.07739	0.30574	0.50841	0.62959	0.29629	0.2437	0.07739	8.91969271	0.003292825	7.333E-07	0.0473817	0.5223427	0.073746	0.039785	0.01212324	9.594118
150	486783.18	3856193.15	0.47263	0.0788	0.30497	0.4813	0.61964	0.2801	0.2352	0.0788	8.72493556	0.003352818	7.314E-07	0.0448552	0.5140876	0.069716	0.038383	0.01234412	9.382987
151	486533.18	3856243.15	0.53259	0.08046	0.35277	0.84712	0.76865	0.39519	0.2911	0.08046	9.83182073	0.003423449	8.461E-07	0.0789481	0.6377146	0.098361	0.047513	0.01260416	10.68518
152	486583.18	3856243.15	0.52205	0.08049	0.36651	0.76449	0.63998	0.37167	0.276	0.08049	9.63724819	0.003424725	8.79E-07	0.0712473	0.5309628	0.092507	0.045046	0.01260886	10.36783
153	486633.18	3856243.15	0.51179	0.0808	0.36449	0.70132	0.59769	0.34807	0.2637	0.0808	9.44784456	0.003437915	8.742E-07	0.0653601	0.4958767	0.086633	0.043038	0.01265742	10.12953
154	486683.18	3856243.15	0.5011	0.0805	0.35948	0.65289	0.57397	0.33399	0.2549	0.0805	9.25050295	0.003425151	8.622E-07	0.0608466	0.4761973	0.083129	0.041599	0.01261042	9.90309
155	486733.18	3856243.15	0.49016	0.08091	0.35582	0.58026	0.84811	0.31889	0.2473	0.08091	9.04854625	0.003442596	8.534E-07	0.0540778	0.703639	0.079371	0.040373	0.01267465	9.916775
156	486783.18	3856243.15	0.48043	0.07877	0.34957	0.51808	0.74088	0.30468	0.2406	0.07877	8.86892663	0.003351542	8.384E-07	0.0482829	0.6146751	0.075834	0.039266	0.01233942	9.637998
157	486533.18	3856293.15	0.54778	0.08428	0.33043	1.02796	0.74447	0.43202	0.3321	0.08428	10.1122341	0.003585984	7.925E-07	0.0958016	0.6176535	0.107528	0.054202	0.01320256	10.9778
158	486583.18	3856293.15	0.53541	0.08398	0.32545	0.87419	0.89672	0.39985	0.3107	0.08398	9.88387904	0.003573219	7.805E-07	0.0814709	0.7439685	0.099521	0.05071	0.01315557	10.84997
159	486633.18	3856293.15	0.52343	0.08435	0.32194	0.77869	0.77599	0.37425	0.2947	0.08435	9.66272353	0.003588962	7.721E-07	0.0725707	0.6438043	0.09315	0.048105	0.01321353	10.51073
160	486683.18	3856293.15	0.51164	0.08505	0.32727	0.71187	0.65088	0.35385	0.2819	0.08505	9.4450755	0.003618746	7.849E-07	0.0663433	0.5400061	0.088072	0.046008	0.01332319	10.1758
161	486733.18	3856293.15	0.49912	0.08154	0.33514	0.66082	0.66404	0.33731	0.2727	0.08154	9.21395138	0.003469401	8.038E-07	0.0615857	0.5509243	0.083955	0.044511	0.01277334	9.945624
162	486783.18	3856293.15	0.48854	0.08168	0.33271	0.60231	1.05934	0.32141	0.2615	0.08168	9.01864042	0.003475358	7.98E-07	0.0561328	0.8788871	0.079998	0.042683	0.01279527	10.06702
163	486783.18	3856343.15	0.49676	0.08265	0.32965	0.66499	0.90844	0.34037	0.2811	0.08265	9.17038485	0.00351663	7.906E-07	0.0619743	0.7536921	0.084717	0.045875	0.01294722	10.10721
164	486833.18	3856343.15	0.48258	0.08287	0.3152	0.62472	1.2538	0.32566	0.2689	0.08287	8.90861648	0.003525991	7.56E-07	0.0582213	1.0402219	0.081056	0.043899	0.01298169	10.12256
165	486883.18	3856343.15	0.46948	0.0815	0.29746	0.56345	1.03358	0.31373	0.2575	0.0815	8.66678533	0.003467699	7.134E-07	0.0525112	0.8575152	0.078086	0.042036	0.01276707	9.687636
166	486783.18	3856393.15	0.5079	0.08797	0.31369	0.72102	0.98175	0.36342	0.2921	0.08797	9.37603363	0.003742988	7.523E-07	0.0671961	0.8145141	0.090454	0.047682	0.01378061	10.38584
167	486833.18	3856393.15	0.4924	0.08383	0.30093	0.6689	1.21912	0.3493	0.2775	0.08383	9.08989753	0.003566837	7.217E-07	0.0623387	1.0114494	0.08694	0.045299	0.01313207	10.28636

168	486883.18	3856393.15	0.47901	0.08359	0.29655	0.62635	1.40046	0.33035	0.2638	0.08359	8.84271287	0.003556626	7.112E-07	0.0583732	1.1618991	0.082223	0.043066	0.01309448	10.17874
169	487208.74	3856886.11	0.52187	0.11277	0.29917	0.94739	8.65259	0.51716	0.2968	0.11277	9.63392532	0.00479819	7.175E-07	0.0882928	7.1786676	0.128719	0.048443	0.01766556	17.06518
170	487258.74	3856886.11	0.50341	0.11164	0.27181	0.81503	8.74846	0.47733	0.2856	0.11164	9.29314646	0.00475011	6.519E-07	0.0759574	7.2582067	0.118806	0.046625	0.01748854	16.78
171	487308.74	3856886.11	0.48184	0.11062	0.26177	0.71751	8.66293	0.44256	0.2765	0.11062	8.89495578	0.00470671	6.278E-07	0.066869	7.1872462	0.110152	0.045136	0.01732876	16.29174
172	487358.74	3856886.11	0.46245	0.10929	0.24627	0.648	8.89156	0.41205	0.269	0.10929	8.53700876	0.004650121	5.906E-07	0.0603909	7.3769303	0.102558	0.043912	0.01712041	16.10833
173	487208.74	3856936.11	0.54481	0.11603	0.35448	1.16242	9.42107	0.57155	0.3089	0.11603	10.0574067	0.004936898	8.502E-07	0.1083327	7.8162411	0.142257	0.050426	0.01817624	18.16143
174	487258.74	3856936.11	0.52351	0.11497	0.26231	0.96255	9.20172	0.52291	0.2948	0.11497	9.66420036	0.004891796	6.291E-07	0.0897057	7.6342562	0.130151	0.048121	0.01801019	17.55332
175	487308.74	3856936.11	0.50482	0.11408	0.27223	0.82459	9.13079	0.48239	0.2833	0.11408	9.31917562	0.004853928	6.529E-07	0.0768484	7.5754088	0.120065	0.046244	0.01787077	17.12473
176	487358.74	3856936.11	0.48725	0.11291	0.24264	0.7251	9.0156	0.44791	0.2739	0.11291	8.99482651	0.004804146	5.819E-07	0.0675763	7.4798408	0.111483	0.044713	0.01768749	16.68556
177	487208.74	3856986.11	0.57249	0.11927	0.29495	1.51695	9.72226	0.64182	0.3314	0.11927	10.5683904	0.005074755	7.074E-07	0.1413735	8.066125	0.159747	0.054086	0.01868379	18.97611
178	487258.74	3856986.11	0.54678	0.11879	0.24858	1.17706	9.30756	0.57605	0.3105	0.11879	10.0937737	0.005054331	5.962E-07	0.1096971	7.722067	0.143377	0.050689	0.0186086	18.10605
179	487308.74	3856986.11	0.52535	0.11737	0.23417	0.9755	9.55631	0.52764	0.2928	0.11737	9.69816749	0.004993912	5.616E-07	0.0909126	7.9284437	0.131328	0.0478	0.01838615	17.88326
180	487358.74	3856986.11	0.5064	0.11663	0.23383	0.83204	9.20386	0.48658	0.2807	0.11663	9.34834304	0.004962427	5.608E-07	0.0775427	7.6360317	0.121108	0.04581	0.01827023	17.21553
181	487208.74	3857036.11	0.62209	0.12245	0.26882	2.22525	10.86562	0.74978	0.3613	0.12245	11.4840259	0.005210059	6.447E-07	0.2073841	9.0147198	0.186618	0.058978	0.01918194	20.93775
182	487258.74	3857036.11	0.57539	0.12174	0.26106	1.54446	10.60767	0.652	0.3339	0.12174	10.6219256	0.005179849	6.261E-07	0.1439373	8.8007102	0.162281	0.0545	0.01907072	19.76946
183	487308.74	3857036.11	0.54925	0.12125	0.24456	1.18989	10.25219	0.58302	0.3124	0.12125	10.1393709	0.005159	5.865E-07	0.1108928	8.5057843	0.145112	0.050986	0.01899396	18.93831
184	487358.74	3857036.11	0.52725	0.12031	0.22441	0.97806	9.83609	0.53195	0.295	0.12031	9.73324223	0.005119005	5.382E-07	0.0911511	8.1605647	0.132401	0.048144	0.01884671	18.15178
185	487427.14	3856878.23	0.44091	0.10774	0.24133	0.5739	8.60614	0.37109	0.2516	0.10774	8.1393719	0.004584171	5.788E-07	0.0534851	7.1401301	0.092363	0.04107	0.0168776	15.45413
186	487477.14	3856878.23	0.42905	0.10676	0.23742	0.54166	8.44893	0.35733	0.2373	0.10676	7.92043164	0.004542473	5.694E-07	0.0504805	7.0097	0.088938	0.038726	0.01672408	15.0961
187	487527.14	3856878.23	0.41814	0.10705	0.28608	0.51438	7.85201	0.34495	0.2232	0.10705	7.71902875	0.004554812	6.861E-07	0.0479381	6.5144621	0.085857	0.036438	0.01676951	14.39151
188	487427.14	3856928.23	0.45648	0.11119	0.23893	0.62435	9.07371	0.40124	0.2627	0.11119	8.42680022	0.004730963	5.73E-07	0.0581868	7.5280521	0.099867	0.042879	0.01741805	16.1431
189	487477.14	3856928.23	0.43933	0.1099	0.23497	0.57781	9.02282	0.37695	0.2508	0.1099	8.11020448	0.004676075	5.635E-07	0.0538495	7.4858309	0.093822	0.040933	0.01721597	15.7721
190	487527.14	3856928.23	0.42641	0.11097	0.27501	0.53857	8.91413	0.36356	0.2359	0.11097	7.8716962	0.004721602	6.596E-07	0.0501925	7.3956557	0.090489	0.038497	0.01738359	15.43387
191	487577.14	3856928.23	0.41528	0.11009	0.29044	0.51147	8.80349	0.34826	0.222	0.11009	7.66623202	0.00468416	6.966E-07	0.0476669	7.3038626	0.086681	0.036237	0.01724573	15.12812
192	487627.14	3856928.23	0.40514	0.10873	0.28634	0.48849	8.89168	0.32651	0.2089	0.10873	7.47904364	0.004626294	6.867E-07	0.0455252	7.3770299	0.081267	0.034097	0.01703269	15.00456
193	487677.14	3856928.23	0.3949	0.10807	0.24404	0.46692	8.60409	0.31741	0.1997	0.10807	7.29000921	0.004598212	5.853E-07	0.043515	7.1384293	0.079002	0.03259	0.0169293	14.57122
194	487727.14	3856928.23	0.3849	0.10745	0.24263	0.4398	8.60111	0.30468	0.1996	0.10745	7.10540528	0.004571832	5.819E-07	0.0409875	7.1359569	0.075834	0.032587	0.01683217	14.37851
195	487777.14	3856928.23	0.37543	0.10636	0.24558	0.40814	8.38472	0.29264	0.1975	0.10636	6.93058536	0.004525454	5.89E-07	0.038037	6.9564278	0.072837	0.032229	0.01666142	14.01798
196	487427.14	3856978.23	0.48084	0.11435	0.23298	0.68712	9.23939	0.43531	0.2674	0.11435	8.87649539	0.004865416	5.588E-07	0.0640367	7.6655094	0.108347	0.043646	0.01791307	16.74499
197	487477.14	3856978.23	0.46148	0.11427	0.24131	0.6287	9.0614	0.40649	0.26	0.11427	8.51910218	0.004862012	5.787E-07	0.0585922	7.517839	0.101174	0.042443	0.01790053	16.22611
198	487527.14	3856978.23	0.44378	0.11499	0.27147	0.58087	9.31552	0.38505	0.2502	0.11499	8.19235323	0.004892647	6.511E-07	0.0541347	7.728671	0.095838	0.040845	0.01801332	16.09872
199	487577.14	3856978.23	0.42763	0.11376	0.25596	0.54088	9.77525	0.36719	0.2346	0.11376	7.89421788	0.004840313	6.139E-07	0.0504078	8.1100885	0.091392	0.038287	0.01782064	16.17141
200	487627.14	3856978.23	0.41306	0.11237	0.23711	0.50859	10.26819	0.34926	0.2201	0.11237	7.62524995	0.00478117	5.687E-07	0.0473985	8.5190588	0.08693	0.035918	0.0176029	16.30173
201	487677.14	3856978.23	0.40215	0.11146	0.22207	0.48497	10.00684	0.33161	0.2104	0.11146	7.42384706	0.004742451	5.326E-07	0.0451972	8.3022284	0.082537	0.034338	0.01746034	15.87543
202	487727.14	3856978.23	0.3927	0.10952	0.22747	0.46584	9.96135	0.31983	0.2095	0.10952	7.24939635	0.004659907	5.456E-07	0.0434144	8.2644873	0.079605	0.034193	0.01715644	15.6586
203	487777.14	3856978.23	0.38188	0.10956	0.23399	0.44465	9.59351	0.30556	0.2039	0.10956	7.0496549	0.004661609	5.612E-07	0.0414395	7.9593069	0.076053	0.033281	0.01716271	15.14723
204	487427.14	3857028.23	0.49902	0.11817	0.20908	0.77687	9.52687	0.47153	0.2729	0.11817	9.21210534	0.005027951	5.014E-07	0.0724011	7.9040187	0.117362	0.044542	0.01851147	17.33695
205	487477.14	3857028.23	0.4834	0.11853	0.22157	0.69016	9.44835	0.43839	0.2642	0.11853	8.923754	0.005043269	5.314E-07	0.0643201	7.8388741	0.109114	0.043125	0.01856787	16.96566
206	487527.14	3857028.23	0.46623	0.11772	0.23258	0.63224	9.598	0.41094	0.257	0.11772	8.60678905	0.005008804	5.578E-07	0.0589222	7.9630321	0.102282	0.041955	0.01844098	16.75955
207	487577.14	3857028.23	0.44831	0.11637	0.24225	0.58417	9.57866	0.38788	0.2485	0.11637	8.27597881	0.004951364	5.81E-07	0.0544422	7.9469865	0.096542	0.040559	0.0182295	16.40123
208	487627.14	3857028.23	0.43231	0.11492	0.2499	0.54384	10.09376	0.36806	0.2323	0.11492	7.98061252	0.004889669	5.993E-07	0.0506836	8.374342	0.091609	0.03792	0.01800236	16.52205
209	487677.14	3857028.23	0.41708	0.11371	0.21512	0.50902	10.05698	0.35041	0.2212	0.11371	7.69946073	0.004838185	5.159E-07	0.0474386	8.3438273	0.087216	0.036108	0.01781281	16.20108
210	487727.14	3857028.23	0.40272	0.11266	0.21508	0.48032	9.47699	0.33527	0.2174	0.11266	7.43436949	0.004793509	5.158E-07	0.0447638	7.8626355	0.083448	0.035479	0.01764833	15.44784
211	487777.14	3857028.23	0.38975	0.11157	0.22084	0.46	9.83355	0.32093	0.2083	0.11157	7.19493819	0.004747131	5.296E-07	0.0428701	8.1584574	0.079878	0.033996	0.01747758	15.49741
212	487427.14	3857078.23	0.51869	0.12191	0.22641	0.89538	9.77378	0.51376	0.2859	0.12191	9.57522127	0.005187082	5.43E-07	0.0834457	8.1088689	0.127873	0.046672	0.01909735	17.92817
213	487477.14	3857078.23	0.50092	0.122	0.22547	0.77727	10.00639	0.4748	0.2708	0.122	9.24718008	0.005190912	5.408E-07	0.0724383	8.301855	0.118176	0.044196	0.01911145	17.76993
214	487527.14	3857078.23	0.48505	0.12078	0.2212	0.69455	9.90149	0.44079	0.2612	0.12078	8.95421365	0.005139003	5.305E-07	0.0647292	8.2148242	0.109711	0.042642	0.01892033	17.37234
215	487577.14	3857078.23	0.4707	0.11924	0.23691	0.63529	10.01128	0.41596	0.254	0.11924	8.68930701	0.005073478	5.682E-07	0.0592064	8.305912	0.103531	0.041458	0.01867909	17.18581
216	487627.14	3857078.23	0.45283	0.1177	0.23363	0.58648	10.07125	0.39089	0.2462	0.1177	8.35941978	0.005007953	5.603E-07	0.0546575	8.3556665	0.097291	0.04018	0.01843785	16.89379
217	487677.14	3857078.23	0.43612	0.11631	0.21278	0.54548	10.05117	0.3698	0.2323	0.11631	8.05094661	0.004948811	5.103E-07	0.0508365	8.339007	0.092042	0.037911	0.0182201	16.55747
218	487727.14	3857078.23	0.42057	0.11503	0.20757	0.51095	9.83052	0.36075	0.2207	0.11503	7.7638875	0.004894349	4.978E-07	0.0476184	8.1559435	0.089789	0.03602	0.01801959	16.08013
219	487777.14	3857078.23	0.40653	0.11371	0.21106	0.48141	9.52736	0.34095	0.21	0.11371	7.50470358	0.004838185	5.062E-07	0.0448654	7.9044252	0.084861	0.034285	0.01781281	15.56017
220	487427.14	3857128.23	0.54113	0.12591	0.24153	1.05439	10.32697	0.56462	0.3039	0.12591	9.98947249	0.005357276	5.793E-07	0.0982648	8.5678259	0.140532	0.049599	0.01972395	18.83133
221	487477.14	3857128.23	0.52027	0.12558	0.23696	0.89461	9.73138	0.51902	0.2867	0.12558	9.60438869	0.005343235	5.683E-07	0.083374	8.0736915	0.129182	0.046796	0.01967226	17.9231
222	487527.14	3857128.23	0.50212	0.12391	0.24249	0.78016	10.03512	0.47908	0.2701	0.12391	9.26933256	0.005272179	5.816E-07	0.0727077	8.325691	0.119241	0.04409	0.01941065	17.81692
223	487577.14	3857128.23	0.48586	0.12228	0.24185	0.69643	10.20132	0.44413	0.2587	0.12228	8.96916656	0.005202825	5.8E-07	0.0649044	8.4635797	0.110542	0.042224	0.01915531	17.63647
224	487627.14	3857128.23	0.4712	0.12069	0.24532	0.63612	10.32645	0.41978	0.2512	0.12069	8.6985372	0.005135173	5.884E-07	0.0592838	8.5673945	0.104482	0.041005	0.01890624	17.45693

225	487677.14	3857128.23	0.45674	0.11907	0.21236	0.58732	10.3412	0.39561	0.2445	0.11907	8.43159992	0.005066245	5.093E-07	0.0547358	8.5796319	0.098466	0.039916	0.01865246	17.19076
226	487727.14	3857128.23	0.43948	0.11795	0.20053	0.54654	10.27609	0.38006	0.2315	0.11795	8.11297354	0.005018591	4.809E-07	0.0509353	8.5256131	0.094596	0.037794	0.01847701	16.80845
227	487777.14	3857128.23	0.42408	0.11643	0.2108	0.51288	10.12171	0.36779	0.2202	0.11643	7.82868348	0.004953917	5.056E-07	0.0477983	8.3975309	0.091542	0.035935	0.0182389	16.3882
228	488049.44	3856539.39	0.29557	0.10089	0.22483	0.2444	2.2525	0.18803	0.1429	0.10089	5.45633837	0.004292714	5.392E-07	0.0227771	1.8687987	0.0468	0.023327	0.01580454	7.40653
229	488099.44	3856539.39	0.29001	0.10081	0.22333	0.23964	2.45449	0.18338	0.1393	0.10081	5.35369859	0.00428931	5.356E-07	0.0223335	2.0363808	0.045643	0.022736	0.01579201	7.469289
230	488149.44	3856539.39	0.28562	0.10035	0.22558	0.23503	2.45348	0.18213	0.1361	0.10035	5.27265746	0.004269738	5.41E-07	0.0219038	2.0355428	0.045332	0.022207	0.01571995	7.386193
231	488049.44	3856589.39	0.29943	0.09775	0.2499	0.25004	2.79959	0.19336	0.1457	0.09775	5.52759549	0.004159112	5.993E-07	0.0233027	2.3226948	0.048127	0.023774	0.01531266	7.934341
232	488099.44	3856589.39	0.29243	0.09981	0.24669	0.24468	2.72907	0.18871	0.142	0.09981	5.39837274	0.004246762	5.916E-07	0.0228032	2.2641875	0.046969	0.023182	0.01563536	7.744126
233	488149.44	3856589.39	0.28423	0.09974	0.24261	0.23963	2.67906	0.18642	0.1385	0.09974	5.24699751	0.004243783	5.819E-07	0.0223325	2.2226965	0.046399	0.022604	0.01562439	7.54965
234	488199.44	3856589.39	0.27974	0.09944	0.23763	0.23509	2.54596	0.18437	0.1347	0.09944	5.16411035	0.004231019	5.699E-07	0.0219094	2.1122693	0.045889	0.021984	0.0155774	7.354816
235	488249.44	3856589.39	0.27539	0.09856	0.2323	0.23025	2.72848	0.18306	0.1321	0.09856	5.08380764	0.004193576	5.571E-07	0.0214583	2.263698	0.045563	0.021558	0.01543954	7.424839
236	488049.44	3856639.39	0.30531	0.09797	0.25447	0.25643	3.05216	0.19638	0.1483	0.09797	5.6361426	0.004168472	6.103E-07	0.0238982	2.5322409	0.048878	0.024208	0.01534712	8.25419
237	488099.44	3856639.39	0.29672	0.09849	0.25581	0.25059	2.92929	0.19346	0.1446	0.09849	5.47756782	0.004190598	6.135E-07	0.023354	2.4303011	0.048152	0.023598	0.01542858	7.991735
238	488149.44	3856639.39	0.28795	0.09855	0.25428	0.2451	2.98484	0.19053	0.1409	0.09855	5.31567018	0.004193151	6.098E-07	0.0228423	2.4763885	0.047422	0.022991	0.01543798	7.87407
239	488199.44	3856639.39	0.28397	0.09908	0.25382	0.23973	3.0256	0.1885	0.1375	0.09908	5.24219781	0.004215701	6.087E-07	0.0223418	2.5102052	0.046917	0.022444	0.015521	7.832801
240	488249.44	3856639.39	0.28029	0.09926	0.23849	0.23483	2.99773	0.18663	0.134	0.09926	5.17426357	0.00422336	5.72E-07	0.0218852	2.4870827	0.046452	0.021871	0.0155492	7.740229
241	488299.44	3856639.39	0.27666	0.09949	0.23203	0.23058	2.91772	0.18494	0.1304	0.09949	5.10725234	0.004233146	5.565E-07	0.0214891	2.420702	0.046031	0.021278	0.01558523	7.605401
242	488349.44	3856639.39	0.27343	0.09915	0.22516	0.2271	2.92968	0.18313	0.1263	0.09915	5.04762527	0.00421868	5.4E-07	0.0211648	2.4306247	0.04558	0.020608	0.01553197	7.55429
243	488399.44	3856639.39	0.26954	0.10012	0.21894	0.22398	2.85802	0.18112	0.1232	0.10012	4.97581434	0.004259952	5.251E-07	0.020874	2.3711716	0.04508	0.020103	0.01568392	7.42162
244	488099.44	3856689.39	0.30088	0.09686	0.27816	0.25675	3.42317	0.19841	0.1474	0.09686	5.55436306	0.004121244	6.671E-07	0.023928	2.8400513	0.049384	0.024058	0.01517324	8.480733
245	488149.44	3856689.39	0.29271	0.09739	0.26474	0.25095	3.31277	0.19511	0.1435	0.09739	5.40354165	0.004143794	6.349E-07	0.0233875	2.7484574	0.048562	0.023417	0.01525626	8.236254
246	488199.44	3856689.39	0.28864	0.09763	0.25829	0.24521	3.32561	0.19275	0.14	0.09763	5.32840785	0.004154006	6.195E-07	0.0228526	2.7591101	0.047975	0.022845	0.01529386	8.170052
247	488249.44	3856689.39	0.28516	0.09874	0.24087	0.24012	3.29607	0.18986	0.1359	0.09874	5.26416568	0.004201235	5.777E-07	0.0223782	2.7346021	0.047256	0.02218	0.01546774	8.079315
248	488299.44	3856689.39	0.28101	0.10096	0.23138	0.23528	3.10267	0.18875	0.1325	0.10096	5.18755505	0.004295692	5.549E-07	0.0219271	2.5741468	0.046979	0.021633	0.01581551	7.840722
249	488349.44	3856689.39	0.27764	0.10228	0.22787	0.23149	3.05684	0.18667	0.1283	0.10228	5.12534352	0.004351856	5.465E-07	0.0215739	2.5361237	0.046462	0.020949	0.01602229	7.738782
250	488399.44	3856689.39	0.27491	0.10098	0.22641	0.22811	3.00444	0.18374	0.1244	0.10098	5.07494665	0.004296543	5.43E-07	0.0212589	2.4926497	0.045732	0.020312	0.01581864	7.643378
251	488099.44	3856739.39	0.30508	0.09606	0.27351	0.26289	4.02976	0.20397	0.1506	0.09606	5.63189671	0.004087205	6.56E-07	0.0245003	3.343312	0.050767	0.024574	0.01504792	9.06409
252	488149.44	3856739.39	0.29755	0.09576	0.26351	0.25708	3.83786	0.20018	0.1463	0.09576	5.49288995	0.00407444	6.32E-07	0.0239588	3.1841011	0.049824	0.023887	0.01500092	8.763735
253	488199.44	3856739.39	0.29304	0.09624	0.25435	0.25077	3.61617	0.19797	0.1428	0.09624	5.40963358	0.004094864	6.1E-07	0.0233707	3.0001748	0.049274	0.023316	0.01507611	8.494788
254	488249.44	3856739.39	0.28943	0.0965	0.25003	0.24544	3.57116	0.19476	0.1386	0.0965	5.34299156	0.004105926	5.997E-07	0.022874	2.962832	0.048475	0.022622	0.01511684	8.388784
255	488299.44	3856739.39	0.28646	0.09711	0.24852	0.24072	3.51414	0.19216	0.1335	0.09711	5.28816419	0.004131881	5.96E-07	0.0224341	2.9155251	0.047828	0.021786	0.0152124	8.284658
256	488349.44	3856739.39	0.28192	0.0993	0.24756	0.23603	3.42095	0.19181	0.1304	0.0993	5.20435401	0.004225062	5.937E-07	0.021997	2.8382095	0.047741	0.02128	0.01555547	8.122252
257	488399.44	3856739.39	0.27763	0.10124	0.26769	0.23176	3.2949	0.19136	0.1282	0.10124	5.12515892	0.004307606	6.42E-07	0.0215991	2.7336314	0.047629	0.020921	0.01585937	7.937388
258	487999.44	3856789.39	0.32866	0.09436	0.27424	0.30004	4.91291	0.21835	0.1617	0.09436	6.06719278	0.004014872	6.577E-07	0.0279625	4.0760221	0.054347	0.026401	0.01478161	10.24116
259	488049.44	3856789.39	0.32344	0.09414	0.2854	0.28079	4.7144	0.21501	0.1572	0.09414	5.97082953	0.004005512	6.845E-07	0.0261685	3.9113272	0.053515	0.025661	0.01474715	9.976761
260	488099.44	3856789.39	0.31014	0.09442	0.28659	0.26944	4.44752	0.20871	0.1532	0.09442	5.7253063	0.004017425	6.873E-07	0.0251107	3.6899088	0.051947	0.025013	0.01479101	9.506513
261	488149.44	3856789.39	0.30336	0.09549	0.27819	0.26312	4.25678	0.20853	0.1492	0.09549	5.60014483	0.004062952	6.672E-07	0.0245217	3.5316603	0.051902	0.024349	0.01495862	9.221683
262	488199.44	3856789.39	0.29839	0.09611	0.27161	0.25677	4.11652	0.20585	0.1453	0.09611	5.50839668	0.004089332	6.514E-07	0.0239299	3.4152929	0.051235	0.023715	0.01505575	9.011605
263	488249.44	3856789.39	0.2942	0.09513	0.2718	0.25109	3.92648	0.19941	0.1409	0.09513	5.43104763	0.004047635	6.519E-07	0.0234005	3.2576251	0.049632	0.022999	0.01490223	8.773851
264	488299.44	3856789.39	0.29065	0.09548	0.26083	0.24616	3.8259	0.19837	0.1359	0.09548	5.36551324	0.004062527	6.256E-07	0.0229411	3.1741784	0.049374	0.022181	0.01495706	8.623294
265	488349.44	3856789.39	0.28595	0.09561	0.27615	0.24117	3.69565	0.19767	0.1328	0.09561	5.27874939	0.004068058	6.623E-07	0.022476	3.0661158	0.049199	0.021673	0.01497742	8.427305
266	488399.44	3856789.39	0.28183	0.09745	0.28284	0.23656	3.53954	0.1967	0.1309	0.09745	5.20269257	0.004146347	6.783E-07	0.0220464	2.9365983	0.048958	0.021363	0.01526566	8.22054
267	487949.44	3856839.39	0.34049	0.09738	0.26383	0.34545	6.27485	0.22759	0.1699	0.09738	6.28557923	0.004143369	6.328E-07	0.0321945	5.2059629	0.056646	0.027731	0.0152547	11.597
268	487999.44	3856839.39	0.33224	0.09638	0.28121	0.32712	5.83721	0.22142	0.165	0.09638	6.13328098	0.00410082	6.744E-07	0.0304862	4.8428725	0.055111	0.026931	0.01509804	11.07768
269	488049.44	3856839.39	0.32749	0.0961	0.28797	0.30758	5.35558	0.21852	0.1603	0.0961	6.04559412	0.004088907	6.906E-07	0.0286652	4.4432856	0.054389	0.026172	0.01505418	10.58714
270	488099.44	3856839.39	0.31596	0.09605	0.28815	0.28864	4.96755	0.21454	0.1562	0.09605	5.83274579	0.004086779	6.911E-07	0.0269001	4.1213544	0.053398	0.025501	0.01504635	10.04894
271	488149.44	3856839.39	0.30969	0.09594	0.28714	0.27041	4.58948	0.21137	0.1523	0.09594	5.71699912	0.004082099	6.887E-07	0.0252011	3.8076866	0.052609	0.024853	0.01502912	9.616403
272	488199.44	3856839.39	0.3044	0.09571	0.28502	0.26393	4.33564	0.21082	0.1481	0.09571	5.61934364	0.004072313	6.836E-07	0.0245972	3.5970869	0.052472	0.024176	0.01499309	9.306756
273	487949.44	3856889.39	0.34698	0.10021	0.2505	0.35608	7.18382	0.24242	0.1738	0.10021	6.40538718	0.004263781	6.008E-07	0.0331852	5.9600947	0.060338	0.028374	0.01569802	12.47594
274	487999.44	3856889.39	0.34043	0.09951	0.25166	0.34623	6.53731	0.23647	0.1688	0.09951	6.2844716	0.004233997	6.036E-07	0.0322672	5.4237142	0.058857	0.027546	0.01558836	11.8155
275	488049.44	3856889.39	0.33195	0.098	0.25101	0.33366	5.91382	0.23717	0.1639	0.098	6.12792747	0.004169749	6.02E-07	0.0310957	4.9064324	0.059031	0.026747	0.01535182	11.14005
276	488099.44	3856889.39	0.32338	0.09795	0.24996	0.31453	5.45424	0.22057	0.1597	0.09795	5.9697219	0.004167621	5.995E-07	0.0293129	4.5251394	0.054899	0.026073	0.01534399	10.59397
277	488635.86	3857895.05	0.39529	0.16255	0.7474	0.57652	2.46338	0.54695	0.2095	0.16255	7.29720877	0.006916252	1.793E-06	0.0537293	2.0437564	0.136134	0.034203	0.02546366	9.546486
278	489137.64	3857804.15	0.32312	0.13256	0.56069	0.39423	2.1143	0.37408	0.1651	0.13256	5.9649222	0.005640224	1.345E-06	0.0367406	1.7541403	0.093107	0.026954	0.02076569	7.86074
279	488617.32	3857859.41	0.38551	0.15851	0.68588	0.56263	2.53656	0.51921	0.2078	0.15851	7.11666612	0.006744356	1.645E-06	0.0524348	2.1044706	0.12923	0.033912	0.02483078	9.418629
280	488667.32	3857859.41	0.37854	0.15739	0.69048	0.54071	2.44884	0.50085	0.2025	0.15739	6.98799718	0.006696702	1.656E-06	0.0503919	2.0316932	0.12466	0.033047	0.02465534	9.209832
281	488717.32	3857859.41	0.37219	0.15507	0.6894	0.52351	2.34393	0.48471	0.1978	0.15507	6.87077369	0.006597989	1.653E-06	0.048789	1.9446541	0.120643	0.032283	0.0242919	8.99945

282	488767.32	3857859.41	0.36576	0.15125	0.68344	0.50337	2.21386	0.46815	0.1937	0.15125	6.75207336	0.006435454	1.639E-06	0.046912	1.8367408	0.116521	0.031619	0.0236935	8.76661
283	488617.32	3857909.41	0.40748	0.1664	0.77562	0.59731	2.45127	0.56764	0.2136	0.1664	7.52224096	0.007080063	1.86E-06	0.0556668	2.0337093	0.141284	0.034859	0.02606676	9.768775
284	488667.32	3857909.41	0.39231	0.16176	0.75043	0.56834	2.39929	0.54708	0.208	0.16176	7.2421968	0.006882639	1.8E-06	0.0529669	1.9905838	0.136166	0.03395	0.0253399	9.437408
285	488717.32	3857909.41	0.38352	0.16148	0.73025	0.54662	2.34973	0.52811	0.2021	0.16148	7.07992994	0.006870725	1.751E-06	0.0509427	1.9494661	0.131445	0.032985	0.02529604	9.226345
286	488767.32	3857909.41	0.37738	0.15887	0.69266	0.52674	2.26016	0.50633	0.1976	0.15887	6.96658313	0.006759673	1.661E-06	0.04909	1.8751538	0.126024	0.032246	0.02488718	9.030971
287	488417.32	3857959.41	0.49227	0.18757	0.94148	0.91128	2.44811	0.75953	0.2657	0.18757	9.08749768	0.007980814	2.258E-06	0.0849275	2.0310876	0.189044	0.043375	0.02938307	11.41453
288	488467.32	3857959.41	0.47563	0.18521	0.87561	0.81312	2.4531	0.7099	0.2534	0.18521	8.78031674	0.0078804	2.1E-06	0.0757794	2.0352275	0.176692	0.041356	0.02901337	11.08824
289	488517.32	3857959.41	0.46091	0.18316	0.81451	0.73909	2.37229	0.66768	0.2413	0.18316	8.50857976	0.007793176	1.953E-06	0.0688801	1.9681831	0.166183	0.039394	0.02869224	10.73032
290	488567.32	3857959.41	0.43451	0.17869	0.77141	0.68196	2.38169	0.62429	0.2299	0.17869	8.02122538	0.007602984	1.85E-06	0.0635559	1.9759819	0.155384	0.037531	0.02799201	10.23329
291	488617.32	3857959.41	0.42047	0.17517	0.73204	0.63817	2.24991	0.5949	0.2218	0.17517	7.76204146	0.007453213	1.756E-06	0.0594748	1.8666499	0.148069	0.036207	0.02744059	9.852456
292	488667.32	3857959.41	0.41103	0.1722	0.69439	0.60306	2.28351	0.56971	0.2137	0.1722	7.58777535	0.007326844	1.665E-06	0.0562027	1.8945263	0.141799	0.034879	0.02697534	9.695535
293	488717.32	3857959.41	0.4025	0.16868	0.6593	0.57386	2.22863	0.54695	0.2083	0.16868	7.4303082	0.007177074	1.581E-06	0.0534814	1.8489948	0.136134	0.034002	0.02642393	9.483675
294	488767.32	3857959.41	0.39161	0.16611	0.62557	0.55018	2.18833	0.52686	0.2032	0.16611	7.22927452	0.007067724	1.5E-06	0.0512745	1.8155597	0.131134	0.033173	0.02602133	9.241463
295	488417.32	3858009.41	0.51732	0.19544	0.84083	1.05561	2.23597	0.80395	0.2816	0.19544	9.54993053	0.008315671	2.017E-06	0.0983785	1.8550845	0.2001	0.045959	0.03061591	11.72715
296	488467.32	3858009.41	0.49827	0.19376	0.80722	0.92353	2.16981	0.7578	0.2718	0.19376	9.19826004	0.008244189	1.936E-06	0.0860692	1.8001945	0.188614	0.044362	0.03035274	11.29539
297	488517.32	3858009.41	0.48168	0.19155	0.74495	0.82206	2.16468	0.70239	0.2591	0.19155	8.89200212	0.008150157	1.787E-06	0.0766126	1.7959383	0.174822	0.042291	0.03000654	10.95981
298	488567.32	3858009.41	0.45807	0.18934	0.68977	0.74586	2.24609	0.6662	0.2415	0.18934	8.45615224	0.008056125	1.654E-06	0.0695111	1.8634806	0.165815	0.039416	0.02966034	10.57277
299	488617.32	3858009.41	0.43465	0.18573	0.64433	0.68982	2.15098	0.63124	0.2316	0.18573	8.02380984	0.007902525	1.545E-06	0.0642884	1.7845721	0.157113	0.0378	0.02909483	10.04639
300	488667.32	3858009.41	0.42473	0.18231	0.6164	0.64537	2.06694	0.58747	0.2226	0.18231	7.84068274	0.007757009	1.478E-06	0.0601458	1.7148478	0.146219	0.036327	0.02855908	9.777422
301	488717.32	3858009.41	0.41608	0.17941	0.60348	0.60924	2.08467	0.56002	0.2152	0.17941	7.68100034	0.007633619	1.447E-06	0.0567786	1.7295576	0.139387	0.035132	0.02810479	9.621386
302	488767.32	3858009.41	0.40885	0.17657	0.59162	0.5798	2.08614	0.53807	0.209	0.17657	7.5475317	0.007512781	1.419E-06	0.054035	1.7307772	0.133924	0.03412	0.02765991	9.480242
303	488417.32	3858059.41	0.55025	0.20436	0.80907	1.24885	2.25864	0.91427	0.3002	0.20436	10.1578313	0.008695203	1.94E-06	0.1163877	1.8738928	0.227559	0.049	0.03201324	12.40135
304	488467.32	3858059.41	0.52399	0.20245	0.78126	1.0514	2.07881	0.80727	0.2838	0.20245	9.67306135	0.008613935	1.874E-06	0.0979861	1.7246958	0.200927	0.046321	0.03171404	11.71989
305	488517.32	3858059.41	0.50506	0.1999	0.75524	0.92282	2.02676	0.74268	0.2685	0.1999	9.32360611	0.008505437	1.811E-06	0.086003	1.6815123	0.184851	0.043829	0.03131458	11.29699
306	488567.32	3858059.41	0.48528	0.1975	0.73321	0.83014	1.97016	0.70247	0.2556	0.1975	8.95845954	0.00840332	1.758E-06	0.0773656	1.6345538	0.174842	0.041716	0.03093862	10.8644
307	488617.32	3858059.41	0.45165	0.19449	0.72104	0.75537	2.00438	0.66998	0.2439	0.19449	8.33763652	0.00827525	1.729E-06	0.0703974	1.6629446	0.166756	0.039813	0.0304671	10.25536
308	488667.32	3858059.41	0.4401	0.19058	0.71033	0.69838	2.05844	0.63915	0.2337	0.19058	8.12441898	0.008108885	1.704E-06	0.0650861	1.7077958	0.159082	0.038138	0.02985459	10.07278
309	488417.32	3858109.41	0.59488	0.22513	0.76111	1.62548	2.22512	1.04226	0.3257	0.22513	10.9817186	0.009578934	1.825E-06	0.151488	1.8460827	0.259415	0.053168	0.03526689	13.26619
310	488467.32	3858109.41	0.55877	0.21647	0.74308	1.26254	2.08234	0.92297	0.3043	0.21647	10.3151138	0.009210465	1.782E-06	0.1176635	1.7276245	0.229724	0.049662	0.03391029	12.41509
311	488517.32	3858109.41	0.53255	0.20949	0.72301	1.05547	1.96044	0.82551	0.288	0.20949	9.83108232	0.008913476	1.734E-06	0.0983654	1.6264895	0.205467	0.047015	0.03281686	11.78452
312	488567.32	3858109.41	0.51392	0.20539	0.69454	0.9257	1.89886	0.7487	0.2715	0.20539	9.48716519	0.008739028	1.666E-06	0.0862714	1.5753994	0.186349	0.044312	0.03217459	11.35606
313	488617.32	3858109.41	0.4813	0.20268	0.66718	0.83191	1.75435	0.7094	0.257	0.20268	8.88498717	0.008623721	1.6E-06	0.0775306	1.4555059	0.176567	0.041945	0.03175007	10.61341
314	488667.32	3858109.41	0.461	0.19817	0.63838	0.76838	1.91411	0.67873	0.245	0.19817	8.51024119	0.008431828	1.531E-06	0.0716098	1.5880516	0.168934	0.039996	0.03104357	10.35622
315	488769.93	3858449.27	0.54834	0.28866	0.58427	1.99661	1.49133	1.12781	0.3472	0.28866	10.1225719	0.012282038	1.401E-06	0.1860758	1.2372899	0.280708	0.056668	0.04521894	11.85038
316	488819.93	3858449.27	0.51736	0.27338	0.56649	1.59264	1.36702	1.01266	0.3235	0.27338	9.55066895	0.011631897	1.359E-06	0.1484275	1.1341555	0.252048	0.052806	0.04282531	11.10691
317	488819.93	3858499.27	0.53935	0.29829	0.48382	2.08772	1.41685	1.1569	0.3482	0.29829	9.95661299	0.012691779	1.16E-06	0.1945669	1.1754972	0.287948	0.056841	0.04672749	11.63743
318	488869.93	3858499.27	0.51763	0.28621	0.49036	1.75975	1.27053	1.01572	0.3268	0.28621	9.55565325	0.012177794	1.176E-06	0.1640014	1.054102	0.252809	0.05335	0.04483515	11.04726
319	488869.93	3858549.27	0.55962	0.31116	0.48789	2.24834	1.34771	1.18691	0.3512	0.31116	10.3308052	0.013239378	1.17E-06	0.209536	1.1181348	0.295418	0.057319	0.04874359	11.97571
320	489438.17	3859571.48	0.34818	0.38248	1.12279	0.68292	0.70563	0.39687	0.3913	0.38248	6.42753965	0.016273934	2.693E-06	0.0636453	0.5854297	0.09878	0.063865	0.05991596	7.19562
321	489488.17	3859571.48	0.34021	0.41671	1.03787	0.67377	0.71593	0.41415	0.4192	0.41671	6.28041032	0.017730368	2.489E-06	0.0627926	0.5939752	0.103081	0.068422	0.06527813	7.061135
322	489538.17	3859571.48	0.33359	0.44694	1.07602	0.67995	0.70955	0.44312	0.4514	0.44694	6.15820252	0.019016608	2.581E-06	0.0633685	0.588682	0.110291	0.073678	0.0700137	6.943228
323	489588.17	3859571.48	0.32745	0.47442	1.17039	0.66949	0.75075	0.42985	0.5201	0.47442	6.0448557	0.020185839	2.807E-06	0.0623937	0.6228638	0.106988	0.084887	0.07431847	6.867859
324	489438.17	3859621.48	0.3617	0.33565	0.83886	0.66218	0.66494	0.41067	0.3418	0.33565	6.67712416	0.01428139	2.012E-06	0.0617124	0.551671	0.102214	0.055795	0.05257998	7.41022
325	489488.17	3859621.48	0.35067	0.35781	0.86455	0.62709	0.69239	0.39601	0.3599	0.35781	6.47350603	0.015224264	2.073E-06	0.0584422	0.5744451	0.098566	0.058746	0.05605137	7.22288
326	489538.17	3859621.48	0.34141	0.38214	0.94726	0.6192	0.69845	0.40727	0.3906	0.38214	6.30256279	0.016259468	2.272E-06	0.0577069	0.5794728	0.101368	0.063764	0.0598627	7.061273
327	489588.17	3859621.48	0.33367	0.41635	0.95185	0.61133	0.70241	0.39797	0.426	0.41635	6.15967935	0.01771505	2.283E-06	0.0569734	0.5827582	0.099053	0.069542	0.06522173	6.920502
328	489238.17	3859671.48	0.4625	0.26305	0.69313	1.63292	0.60361	0.43564	0.2709	0.26305	8.53793178	0.011192372	1.662E-06	0.1521814	0.5007883	0.108429	0.044224	0.0412071	9.313541
329	489288.17	3859671.48	0.41522	0.27232	0.65812	0.98093	0.58951	0.44959	0.2793	0.27232	7.6651244	0.011586796	1.578E-06	0.0914186	0.4890901	0.111901	0.045585	0.04265926	8.372049
330	489338.17	3859671.48	0.38932	0.28053	0.60528	0.77209	0.67559	0.46487	0.2886	0.28053	7.18700022	0.011936119	1.452E-06	0.0719556	0.5605069	0.115705	0.047109	0.04394537	7.950269
331	489388.17	3859671.48	0.36729	0.28787	0.59978	0.67014	0.65421	0.45956	0.301	0.28787	6.78031776	0.012248424	1.438E-06	0.0624543	0.5427688	0.114383	0.049129	0.04509519	7.516207
332	489438.17	3859671.48	0.35687	0.29536	0.7306	0.64147	0.63077	0.43357	0.3129	0.29536	6.58796047	0.012567112	1.752E-06	0.0597823	0.5233217	0.107914	0.051071	0.0462685	7.29635
333	489488.17	3859671.48	0.35304	0.31692	0.88397	0.61226	0.66228	0.42124	0.3301	0.31692	6.51725716	0.013484457	2.12E-06	0.0570601	0.5494641	0.104845	0.053887	0.0496459	7.246354
334	489538.17	3859671.48	0.34389	0.34435	0.82631	0.59433	0.68249	0.39403	0.3479	0.34435	6.34834456	0.014651561	1.982E-06	0.0553891	0.5662315	0.098073	0.056792	0.05394285	7.085541
335	489588.17	3859671.48	0.33589	0.36647	1.07595	0.58327	0.68553	0.41324	0.3819	0.36647	6.20066142	0.015592733	2.58E-06	0.0543584	0.5687536	0.102854	0.062342	0.05740797	6.947157
336	489238.17	3859721.48	0.43634	0.255	0.49209	1.62505	0.54353	0.42695	0.2549	0.255	8.0550079	0.010849857	1.18E-06	0.1514479	0.4509426	0.106266	0.04161	0.03994606	8.77618
337	489288.17	3859721.48	0.40831	0.25798	0.46227	0.97	0.55836	0.43649	0.2641	0.25798	7.53756308	0.010976651	1.109E-06	0.0904	0.4632464	0.108641	0.043104	0.04041288	8.213519
338	489338.17	3859721.48	0.38497	0.26637	0.51266	0.76099	0.60529	0.44629	0.2719	0.26637	7.10669751	0.011333633	1.23E-06	0.0709211	0.5021821	0.11108	0.044388	0.04172718	7.804877

339	489388.17	3859721.48	0.36781	0.27433	0.77987	0.66839	0.68658	0.45653	0.2805	0.27433	6.78991717	0.011672318	1.87E-06	0.0622912	0.5696248	0.113629	0.045792	0.04297413	7.549954
340	489438.17	3859721.48	0.35544	0.28005	0.76276	0.62264	0.61003	0.4612	0.2904	0.28005	6.5615621	0.011915696	1.829E-06	0.0580275	0.5061147	0.114791	0.047393	0.04387017	7.255936
341	489488.17	3859721.48	0.34595	0.28802	0.92537	0.59171	0.6296	0.43112	0.3051	0.28802	6.38637297	0.012254807	2.219E-06	0.0551449	0.522351	0.107304	0.049798	0.04511868	7.088109
342	489538.17	3859721.48	0.33754	0.29777	0.97581	0.57146	0.65835	0.40828	0.3204	0.29777	6.23112107	0.012669654	2.34E-06	0.0532577	0.5462036	0.10162	0.052305	0.04664603	6.950533
343	489588.17	3859721.48	0.33004	0.32357	1.04634	0.55167	0.67257	0.39286	0.3372	0.32357	6.09266812	0.013767404	2.509E-06	0.0514134	0.5580013	0.097782	0.055046	0.05068763	6.817992
344	489238.17	3859771.48	0.42148	0.24521	0.50139	1.6138	0.46746	0.41666	0.2414	0.24521	7.78068646	0.010433307	1.203E-06	0.1503995	0.3878307	0.103705	0.039405	0.03841245	8.434049
345	489288.17	3859771.48	0.40054	0.24989	0.57316	0.95169	0.56844	0.41897	0.2495	0.24989	7.39412583	0.010632434	1.375E-06	0.0886936	0.4716093	0.10428	0.040726	0.03914557	8.070923
346	489338.17	3859771.48	0.37722	0.25451	0.69783	0.74294	0.5338	0.42109	0.2557	0.25451	6.96362946	0.010829008	1.674E-06	0.0692389	0.44287	0.104808	0.041734	0.0398693	7.593242
347	489388.17	3859771.48	0.36058	0.25898	0.65433	0.65259	0.61734	0.44793	0.2633	0.25898	6.65644852	0.0110192	1.569E-06	0.0608187	0.5121794	0.111488	0.042978	0.04056953	7.354364
348	489438.17	3859771.48	0.34744	0.26792	0.80815	0.60597	0.6449	0.45998	0.2711	0.26792	6.41387896	0.011399583	1.938E-06	0.0564739	0.5350447	0.114487	0.04425	0.04196999	7.133566
349	489488.17	3859771.48	0.33468	0.27454	0.90586	0.56623	0.58971	0.44971	0.2844	0.27454	6.17832434	0.011681254	2.173E-06	0.0527703	0.4892561	0.111931	0.046417	0.04300703	6.847376
350	489538.17	3859771.48	0.32216	0.28141	0.96923	0.55044	0.61568	0.42341	0.2982	0.28141	5.94720022	0.011973561	2.325E-06	0.0512987	0.5108022	0.105385	0.048673	0.04408322	6.631252
351	489588.17	3859771.48	0.31568	0.28865	0.91607	0.52365	0.65143	0.39657	0.3113	0.28865	5.82757688	0.012281612	2.197E-06	0.048802	0.5404624	0.098705	0.050816	0.04521737	6.533429
352	489238.17	3859821.48	0.39868	0.23021	0.59997	1.60761	0.4769	0.35038	0.2291	0.23021	7.3597895	0.00979508	1.439E-06	0.1498226	0.3956626	0.087208	0.037399	0.03606268	8.003616
353	489288.17	3859821.48	0.4006	0.23675	0.58332	0.9486	0.47828	0.38098	0.2365	0.23675	7.39523345	0.010073347	1.399E-06	0.0884056	0.3968076	0.094825	0.038605	0.03708718	7.986864
354	489338.17	3859821.48	0.38297	0.24314	0.52047	0.72241	0.54372	0.40542	0.2423	0.24314	7.06977672	0.010345232	1.248E-06	0.0673256	0.4511002	0.100908	0.039554	0.03808818	7.700922
355	489388.17	3859821.48	0.36669	0.24879	0.70767	0.63163	0.54874	0.39298	0.2487	0.24879	6.76924153	0.010585631	1.697E-06	0.0588653	0.4552651	0.097811	0.040597	0.03897326	7.393394
356	489438.17	3859821.48	0.34911	0.25407	0.75124	0.5692	0.63067	0.41832	0.2576	0.25407	6.44470782	0.010810287	1.802E-06	0.0530471	0.5232387	0.104118	0.042041	0.03980037	7.138165
357	489488.17	3859821.48	0.33588	0.26428	0.87938	0.55227	0.60987	0.44881	0.2677	0.26428	6.20047682	0.011244706	2.109E-06	0.0514693	0.5059819	0.111707	0.043691	0.04139978	6.883174
358	489538.17	3859821.48	0.32632	0.26979	1.16798	0.51024	0.59228	0.44081	0.2793	0.26979	6.02399546	0.011479148	2.801E-06	0.0475523	0.4913883	0.109716	0.045586	0.04226293	6.687458
359	489588.17	3859821.48	0.31881	0.27504	0.70167	0.51314	0.61759	0.41506	0.2908	0.27504	5.88535791	0.011702528	1.683E-06	0.0478225	0.5123868	0.103307	0.047462	0.04308535	6.564955
360	489238.17	3859871.48	0.40036	0.2184	0.53002	1.5984	0.48394	0.34465	0.2163	0.2184	7.39080296	0.009292583	1.271E-06	0.1489643	0.4015034	0.085782	0.0353	0.03421263	8.037434
361	489288.17	3859871.48	0.38529	0.22187	0.51813	0.94365	0.45195	0.34488	0.2247	0.22187	7.11260484	0.009440226	1.243E-06	0.0879443	0.3749627	0.085839	0.036679	0.03475621	7.672716
362	489338.17	3859871.48	0.37923	0.22619	0.6771	0.72059	0.49973	0.34762	0.2305	0.22619	7.00073485	0.009624036	1.624E-06	0.067156	0.4146037	0.086521	0.037618	0.03543294	7.580826
363	489388.17	3859871.48	0.37757	0.23336	0.61263	0.61899	0.50253	0.37801	0.2372	0.23336	6.9700906	0.009929108	1.469E-06	0.0576873	0.4169267	0.094085	0.038713	0.03655613	7.550877
364	489438.17	3859871.48	0.35965	0.24191	0.87453	0.55648	0.56778	0.39839	0.2457	0.24191	6.63928036	0.010292897	2.097E-06	0.0518616	0.4710617	0.099158	0.040112	0.0378955	7.273873
365	489488.17	3859871.48	0.3452	0.25228	1.02707	0.49668	0.6496	0.40265	0.2554	0.25228	6.37252768	0.010734125	2.463E-06	0.0462885	0.5389441	0.100218	0.041687	0.03951997	7.070882
366	489538.17	3859871.48	0.33264	0.26118	0.96544	0.47857	0.57501	0.43633	0.2638	0.26118	6.14066514	0.011112806	2.315E-06	0.0446007	0.4770601	0.108601	0.043065	0.04091417	6.784193
367	489588.17	3859871.48	0.32358	0.26607	0.85165	0.45139	0.59361	0.4268	0.274	0.26607	5.97341398	0.011320868	2.043E-06	0.0420677	0.4924917	0.106229	0.044723	0.04168019	6.628568
368	489238.17	3859921.48	0.41272	0.21172	0.47949	1.57447	0.4888	0.31718	0.2001	0.21172	7.61897342	0.009008359	1.15E-06	0.1467341	0.4055355	0.078945	0.032656	0.0331662	8.258687
369	489288.17	3859921.48	0.39652	0.21505	0.54811	0.92701	0.46329	0.34187	0.2075	0.21505	7.31991505	0.009150046	1.315E-06	0.0863935	0.384371	0.08509	0.033862	0.03368784	7.885095
370	489338.17	3859921.48	0.38263	0.21839	0.50991	0.70434	0.42829	0.34685	0.2187	0.21839	7.06350019	0.009292158	1.223E-06	0.0656416	0.3553331	0.08633	0.035703	0.03421106	7.58159
371	489388.17	3859921.48	0.37335	0.22293	0.82762	0.59966	0.52718	0.34201	0.2283	0.22293	6.89218774	0.009485328	1.985E-06	0.0558858	0.4373777	0.085125	0.037265	0.03492226	7.482407
372	489438.17	3859921.48	0.3642	0.23154	0.9077	0.5325	0.50736	0.34103	0.2358	0.23154	6.72327515	0.00985167	2.177E-06	0.0496268	0.4209339	0.084881	0.038488	0.03627102	7.290788
373	489488.17	3859921.48	0.35472	0.23913	0.99308	0.4868	0.58751	0.37002	0.2425	0.23913	6.54827062	0.010174613	2.382E-06	0.0453677	0.4874308	0.092097	0.039586	0.03746001	7.185469
374	489538.17	3859921.48	0.34095	0.24703	0.78323	0.44997	0.614	0.40434	0.25	0.24703	6.29407101	0.010510745	1.878E-06	0.0419353	0.5094084	0.100639	0.040806	0.03869755	6.958674
375	489588.17	3859921.48	0.33053	0.25458	0.55758	0.41715	0.55934	0.39654	0.2577	0.25458	6.10171371	0.010831986	1.337E-06	0.0388767	0.4640594	0.098697	0.042056	0.03988027	6.716356
376	489238.17	3859971.48	0.42035	0.20322	0.50742	1.54931	0.49111	0.31532	0.1975	0.20322	7.75982622	0.008646698	1.217E-06	0.1443893	0.407452	0.078482	0.032239	0.03183466	8.399202
377	489288.17	3859971.48	0.39895	0.20439	0.50673	0.91586	0.47027	0.31895	0.2023	0.20439	7.3647738	0.008696479	1.215E-06	0.0853544	0.390162	0.079386	0.033028	0.03201794	7.929383
378	489338.17	3859971.48	0.39699	0.20723	0.68921	0.69098	0.44117	0.32481	0.2064	0.20723	7.32859143	0.008817317	1.653E-06	0.0643965	0.3660191	0.080844	0.03369	0.03246283	7.849898
379	489388.17	3859971.48	0.38786	0.21523	0.7631	0.57514	0.44909	0.33608	0.2086	0.21523	7.16004805	0.009157705	1.83E-06	0.0536007	0.3725899	0.083649	0.034041	0.03371604	7.679373
380	489438.17	3859971.48	0.36027	0.22046	0.94405	0.49323	0.50362	0.32049	0.2183	0.22046	6.6507258	0.009380233	2.264E-06	0.045967	0.417831	0.079769	0.035626	0.03453533	7.204766
381	489488.17	3859971.48	0.34986	0.22234	0.89865	0.42189	0.53418	0.33506	0.2185	0.22234	6.45855311	0.009460224	2.155E-06	0.0393184	0.4431853	0.083395	0.035657	0.03482983	7.034742
382	489538.17	3859971.48	0.35143	0.22851	0.71504	0.39374	0.61547	0.3413	0.2311	0.22851	6.48753593	0.009722748	1.715E-06	0.0366949	0.510628	0.084948	0.037721	0.03579637	7.131456
383	489588.17	3859971.48	0.34245	0.23171	0.40385	0.37725	0.59467	0.34442	0.235	0.23171	6.3217616	0.009858903	9.686E-07	0.0351581	0.4933711	0.085725	0.038365	0.03629765	6.947943
384	483577.7	3854071	0.37563	0.17847	0.08912	0.71737	0.10559	0.48108	0.2991	0.17847	6.93427744	0.007593623	2.137E-07	0.0668559	0.0876033	0.119739	0.048817	0.02795754	7.236929
385	483627.7	3854071	0.3625	0.16917	0.11429	0.63874	0.11318	0.43654	0.282	0.16917	6.69189248	0.007197923	2.741E-07	0.0595279	0.0939004	0.108653	0.046027	0.02650069	6.980699
386	483677.7	3854071	0.35778	0.1823	0.09955	0.56964	0.12038	0.38496	0.2665	0.1823	6.60475942	0.007756584	2.388E-07	0.0530881	0.0998739	0.095815	0.043496	0.02855752	6.876232
387	483727.7	3854071	0.35729	0.19048	0.08469	0.51205	0.11412	0.34932	0.2539	0.19048	6.59571383	0.00810463	2.031E-07	0.0477209	0.0946803	0.086945	0.04144	0.02983892	6.844766
388	483777.7	3854071	0.36161	0.18116	0.1026	0.45298	0.11728	0.31115	0.2392	0.18116	6.67546273	0.007708079	2.461E-07	0.0422159	0.097302	0.077444	0.039046	0.02837893	6.9108
389	483577.7	3854121	0.39998	0.18849	0.09817	0.86085	0.09773	0.55131	0.3568	0.18849	7.38378801	0.008019959	2.354E-07	0.0802277	0.0810822	0.137219	0.058237	0.02952719	7.719047
390	483627.7	3854121	0.38117	0.16915	0.09429	0.72897	0.10572	0.48494	0.3223	0.16915	7.03654802	0.007197072	2.261E-07	0.067937	0.0877112	0.1207	0.052604	0.02649755	7.3462
391	483677.7	3854121	0.37219	0.15695	0.09912	0.6439	0.11356	0.42279	0.29	0.15695	6.87077369	0.00667798	2.377E-07	0.0600088	0.0942157	0.105231	0.04733	0.02458641	7.159651
392	483727.7	3854121	0.37028	0.17082	0.07835	0.54784	0.12106	0.36518	0.2644	0.17082	6.83551434	0.007268128	1.879E-07	0.0510564	0.1004381	0.090892	0.043156	0.02675916	7.101566
393	483777.7	3854121	0.37132	0.16922	0.10607	0.49455	0.12328	0.33424	0.2495	0.16922	6.85471315	0.00720005	2.544E-07	0.04609	0.1022799	0.083191	0.040727	0.02650852	7.107693
394	483577.7	3854171	0.42942	0.18508	0.12091	1.15178	0.08944	0.65146	0.3921	0.18508	7.92726198	0.007874869	2.9E-07	0.1073411	0.0742044	0.162146	0.063997	0.02899301	8.313833
395	483627.7	3854171	0.40748	0.17939	0.11132	0.89119	0.09752	0.53118	0.3562	0.17939	7.52224096	0.007632768	2.67E-07	0.0830552	0.080908	0.132209	0.05814	0.02810166	7.856085

396	483677.7	3854171	0.39252	0.16103	0.09117	0.74852	0.10572	0.46315	0.3302	0.16103	7.24607348	0.006851578	2.187E-07	0.069759	0.0877112	0.115276	0.053901	0.02522555	7.554348
397	483727.7	3854171	0.3847	0.14547	0.08605	0.64974	0.11739	0.41265	0.3	0.14547	7.1017132	0.006189524	2.064E-07	0.0605531	0.0973932	0.102707	0.048965	0.02278805	7.394734
398	483777.7	3854171	0.38325	0.15834	0.10022	0.56688	0.12764	0.3589	0.2659	0.15834	7.07494563	0.006737123	2.404E-07	0.0528309	0.1058972	0.089329	0.043404	0.02480415	7.34834
399	483827.7	3854171	0.38034	0.1513	0.15879	0.5006	0.12714	0.31984	0.2536	0.1513	7.02122589	0.006437582	3.808E-07	0.0466538	0.1054824	0.079607	0.041398	0.02370133	7.277104
400	483877.7	3854171	0.37431	0.15801	0.1986	0.44586	0.13254	0.29094	0.2407	0.15801	6.90990972	0.006723082	4.763E-07	0.0415523	0.1099625	0.072414	0.039291	0.02475246	7.1551
401	483727.7	3854221	0.40305	0.15279	0.10805	0.79883	0.10728	0.45404	0.3252	0.15279	7.44046142	0.006500979	2.591E-07	0.0744477	0.0890054	0.113009	0.053079	0.02393474	7.752569
402	483777.7	3854221	0.39769	0.13564	0.13777	0.68186	0.11796	0.39273	0.2954	0.13564	7.34151371	0.005771273	3.304E-07	0.0635465	0.0978661	0.097749	0.048216	0.02124817	7.633415
403	483827.7	3854221	0.3897	0.14745	0.2125	0.61527	0.12855	0.36139	0.2767	0.14745	7.19401517	0.00627377	5.096E-07	0.0573406	0.1066522	0.089949	0.04517	0.02309822	7.476303
404	483877.7	3854221	0.38485	0.14493	0.18274	0.5402	0.129	0.32499	0.2571	0.14493	7.10448226	0.006166548	4.383E-07	0.0503444	0.1070255	0.080889	0.041973	0.02270346	7.368177
405	489150.19	3858726.45	0.44754	0.33277	0.38203	2.22713	0.97019	0.90587	0.3266	0.33277	8.2617643	0.01415885	9.162E-07	0.2075593	0.8049233	0.225468	0.053315	0.05212883	9.515061
406	489200.19	3858726.45	0.4412	0.31923	0.41173	3.66153	1.03904	0.80935	0.3056	0.31923	8.14472541	0.013582744	9.875E-07	0.3412394	0.8620451	0.201444	0.049876	0.05000777	9.562907
407	489150.19	3858776.45	0.4578	0.36439	0.42939	2.52119	0.94565	1.02515	0.3584	0.36439	8.45116794	0.015504232	1.03E-06	0.2349645	0.7845636	0.255156	0.058498	0.05708214	9.742773
408	489200.19	3858776.45	0.44411	0.34697	0.41337	3.76127	0.92687	0.87254	0.3323	0.34697	8.19844515	0.014763038	9.914E-07	0.3505348	0.7689827	0.217172	0.054233	0.05435327	9.549778
409	488919.6	3856400.76	0.23683	0.08273	0.26229	0.19579	1.91689	0.15295	0.1109	0.08273	4.37197488	0.003520034	6.291E-07	0.0182468	1.590358	0.038069	0.018096	0.01295976	6.027305
410	488919.6	3856450.76	0.23734	0.08575	0.25773	0.19682	2.05374	0.15535	0.1113	0.08575	4.38138969	0.00364853	6.181E-07	0.0183428	1.7038964	0.038666	0.018167	0.01343284	6.150679
411	488969.6	3856450.76	0.23489	0.08479	0.23159	0.19555	1.98056	0.15381	0.1102	0.08479	4.33616172	0.003607684	5.554E-07	0.0182245	1.6431822	0.038283	0.017994	0.01328246	6.044171
412	488919.6	3856500.76	0.23304	0.08853	0.23955	0.19866	2.05542	0.15788	0.1122	0.08853	4.30200999	0.003766815	5.745E-07	0.0185143	1.7052902	0.039296	0.018316	0.01386833	6.073325
413	488969.6	3856500.76	0.23091	0.08792	0.21686	0.1963	1.95786	0.15662	0.1103	0.08792	4.26268936	0.00374086	5.201E-07	0.0182943	1.624349	0.038982	0.018006	0.01377278	5.952289
414	488919.6	3856550.76	0.23334	0.09116	0.20957	0.19833	2.11415	0.16082	0.1108	0.09116	4.30754811	0.003878717	5.026E-07	0.0184835	1.7540159	0.040028	0.018078	0.01428033	6.127752
415	488969.6	3856550.76	0.23168	0.09038	0.19814	0.19692	2.08037	0.15921	0.1109	0.09038	4.27690386	0.00384553	4.752E-07	0.0183521	1.7259901	0.039627	0.018099	0.01415814	6.06866
416	488819.6	3856600.76	0.24243	0.09568	0.21705	0.20282	2.2341	0.16709	0.1114	0.09568	4.47535309	0.004071036	5.206E-07	0.018902	1.853533	0.041588	0.01818	0.01498839	6.39664
417	488869.6	3856600.76	0.23993	0.09417	0.2173	0.19993	2.18836	0.16473	0.1108	0.09417	4.4292021	0.004006788	5.212E-07	0.0186326	1.8155846	0.041001	0.018086	0.01475185	6.311761
418	488919.6	3856600.76	0.23731	0.09342	0.2132	0.20031	2.14469	0.16337	0.1102	0.09342	4.38083587	0.003974877	5.113E-07	0.0186681	1.7793535	0.040662	0.017985	0.01463436	6.226845
419	488819.6	3856650.76	0.24632	0.09707	0.21697	0.20593	2.37747	0.16934	0.1123	0.09707	4.54716401	0.004130179	5.204E-07	0.0191918	1.9724807	0.042148	0.018335	0.01520613	6.588245
420	488869.6	3856650.76	0.24383	0.09633	0.20138	0.20288	2.38987	0.16725	0.1098	0.09633	4.50119764	0.004098693	4.83E-07	0.0189076	1.9827684	0.041628	0.017924	0.01509021	6.551435
421	488819.6	3856700.76	0.25001	0.09971	0.21665	0.20906	2.67142	0.1725	0.1141	0.09971	4.61528286	0.004242507	5.196E-07	0.0194835	2.2163579	0.042935	0.018621	0.01561969	6.901303
422	488869.6	3856700.76	0.24755	0.0988	0.21528	0.20595	2.63727	0.1728	0.1125	0.0988	4.5698703	0.004203788	5.163E-07	0.0191937	2.1880252	0.043009	0.018366	0.01547714	6.827192
423	488819.6	3856750.76	0.25375	0.09916	0.21388	0.21222	2.77684	0.17664	0.1141	0.09916	4.68432473	0.004219105	5.13E-07	0.019778	2.3038202	0.043965	0.018618	0.01553353	7.059192
424	488869.6	3856750.76	0.25103	0.09948	0.20898	0.20937	2.71144	0.17592	0.1136	0.09948	4.63411247	0.004232721	5.012E-07	0.0195124	2.2495607	0.043786	0.018538	0.01558366	6.954159
425	488819.6	3857050.76	0.27308	0.10221	0.25396	0.23724	3.36384	0.22953	0.1283	0.10221	5.04116413	0.004348878	6.091E-07	0.0221098	2.7908279	0.057129	0.020939	0.01601132	7.920508
426	488869.6	3857050.76	0.26972	0.10224	0.28991	0.23295	3.26876	0.22832	0.1263	0.10224	4.97913721	0.004350154	6.953E-07	0.02171	2.7119442	0.056828	0.020617	0.01601602	7.778572
427	488919.6	3857050.76	0.26668	0.10187	0.29834	0.23182	3.18282	0.22572	0.1244	0.10187	4.92301762	0.004334411	7.155E-07	0.0216047	2.6406436	0.056181	0.020307	0.01595806	7.650131
428	488819.6	3857100.76	0.27665	0.10095	0.28682	0.24089	3.37981	0.237	0.1313	0.10095	5.10706774	0.004295267	6.879E-07	0.02245	2.8040775	0.058988	0.021435	0.01581394	8.002501
429	488869.6	3857100.76	0.27329	0.10203	0.23933	0.23679	3.27404	0.23403	0.1292	0.10203	5.04504082	0.004341219	5.74E-07	0.0220678	2.7163248	0.058249	0.021086	0.01598312	7.851127
430	488919.6	3857100.76	0.26985	0.10367	0.27977	0.2365	3.16552	0.22409	0.1272	0.10367	4.98153706	0.004410999	6.71E-07	0.0220408	2.6262906	0.055775	0.020764	0.01624003	7.69458
431	488819.6	3857150.76	0.27903	0.10322	0.27815	0.24959	3.42341	0.24362	0.1344	0.10322	5.15100347	0.004391852	6.671E-07	0.0232608	2.8402504	0.060636	0.021943	0.01616954	8.085317
432	488869.6	3857150.76	0.27518	0.10255	0.32725	0.24396	3.30049	0.23244	0.1322	0.10255	5.07993096	0.004363344	7.849E-07	0.0227361	2.7382692	0.057854	0.021576	0.01606458	7.908665
433	488919.6	3857150.76	0.27219	0.10175	0.29745	0.24146	3.18942	0.22951	0.1301	0.10175	5.02473438	0.004329306	7.134E-07	0.0225031	2.6461194	0.057124	0.021231	0.01593926	7.760103
434	488969.6	3857150.76	0.2696	0.10295	0.2838	0.23614	3.10589	0.22674	0.128	0.10295	4.97692196	0.004380364	6.806E-07	0.0220073	2.5768183	0.056435	0.0209	0.01612724	7.641336
435	488819.6	3857200.76	0.2805	0.10543	0.29082	0.26065	3.55487	0.24143	0.1377	0.10543	5.17814025	0.004485884	6.975E-07	0.0242915	2.9493169	0.060091	0.022475	0.01651574	8.222286
436	488869.6	3857200.76	0.27642	0.10474	0.28152	0.25347	3.41798	0.23838	0.1353	0.10474	5.10282185	0.004456525	6.752E-07	0.0236224	2.8357454	0.059332	0.022083	0.01640765	8.031654
437	488919.6	3857200.76	0.27327	0.10391	0.25595	0.24848	3.295	0.23531	0.1331	0.10391	5.04467161	0.00442121	6.139E-07	0.0231573	2.7337144	0.058568	0.021719	0.01627763	7.869975
438	488969.6	3857200.76	0.27077	0.10292	0.2494	0.24311	3.18502	0.23223	0.1309	0.10292	4.99852062	0.004379087	5.981E-07	0.0226568	2.6424689	0.057801	0.021368	0.01612254	7.731073
439	488819.6	3857250.76	0.28154	0.1074	0.27642	0.26847	3.48064	0.24767	0.1411	0.1074	5.19733906	0.004569704	6.629E-07	0.0250203	2.8877316	0.061644	0.023023	0.01682434	8.182505
440	488869.6	3857250.76	0.27731	0.1066	0.25493	0.25976	3.30971	0.24436	0.1385	0.1066	5.1192516	0.004535666	6.114E-07	0.0242086	2.7459186	0.06082	0.022607	0.01669902	7.960644
441	488919.6	3857250.76	0.27401	0.10576	0.26171	0.25834	3.14253	0.24121	0.1361	0.10576	5.0583323	0.004499925	6.277E-07	0.0240762	2.6072168	0.060036	0.022222	0.01656743	7.759817
442	488969.6	3857250.76	0.27133	0.10486	0.268	0.25383	2.99308	0.23819	0.1339	0.10486	5.00885844	0.004461631	6.428E-07	0.0236559	2.4832248	0.059285	0.021858	0.01642645	7.584918
443	488819.6	3857300.76	0.2819	0.10934	0.25241	0.28299	3.50473	0.25456	0.1446	0.10934	5.2039848	0.004652248	6.054E-07	0.0263735	2.907718	0.063359	0.023598	0.01712824	8.212558
444	488869.6	3857300.76	0.27748	0.10847	0.26848	0.26652	3.34321	0.25109	0.1418	0.10847	5.12238986	0.004615231	6.439E-07	0.0248386	2.7737121	0.062495	0.023152	0.01699196	7.994212
445	488919.6	3857300.76	0.274	0.10767	0.24794	0.26157	3.17639	0.25511	0.1393	0.10767	5.05814769	0.004581192	5.946E-07	0.0243772	2.635309	0.063496	0.022743	0.01686664	7.791788
446	488819.6	3857450.76	0.29878	0.11561	0.37531	0.325	3.32431	0.32118	0.1561	0.11561	5.51559623	0.004919027	9.001E-07	0.0302887	2.7580316	0.079941	0.025483	0.01811045	8.39615
447	488869.6	3857450.76	0.294	0.11429	0.42112	0.31597	3.15868	0.31875	0.1527	0.11429	5.42735555	0.004862863	1.01E-06	0.0294471	2.6206158	0.079336	0.024928	0.01790367	8.168643
448	488919.6	3857450.76	0.28911	0.11332	0.50112	0.30541	3.00507	0.30582	0.1497	0.11332	5.33708423	0.004821591	1.202E-06	0.0284629	2.4931724	0.076118	0.024427	0.01775172	7.946335
449	488819.6	3857500.76	0.3063	0.11846	0.54377	0.33724	3.24622	0.32674	0.1605	0.11846	5.65441839	0.00504029	1.304E-06	0.0314294	2.6932438	0.081324	0.026193	0.0185569	8.473094
450	488869.6	3857500.76	0.30109	0.11719	0.55996	0.32871	3.09065	0.31845	0.1568	0.11719	5.55823974	0.004986254	1.343E-06	0.0306344	2.5641743	0.079261	0.025586	0.01835796	8.244525
451	488919.6	3857500.76	0.29609	0.116	0.5853	0.32281	2.9295	0.32463	0.1535	0.116	5.46593778	0.004935621	1.404E-06	0.0300846	2.4304754	0.080799	0.025051	0.01817154	8.019113
452	488819.6	3857550.76	0.31387	0.12155	0.58386	0.34973	3.24985	0.35085	0.1651	0.12155	5.79416356	0.005171765	1.4E-06	0.0325934	2.6962554	0.087325	0.026947	0.01904096	8.623417

453	488869.6	3857550.76	0.30853	0.12005	0.54646	0.3417	3.09204	0.34378	0.1611	0.12005	5.69558507	0.005107942	1.311E-06	0.031845	2.5653275	0.085566	0.026295	0.01880598	8.390921
454	488919.6	3857550.76	0.30326	0.11876	0.50443	0.33478	2.95869	0.34425	0.1575	0.11876	5.59829879	0.005053055	1.21E-06	0.0312001	2.454693	0.085683	0.025712	0.0186039	8.182037
455	489663.71	3860900.05	0.24028	0.12423	0.17515	0.30594	0.35072	0.22297	0.1275	0.12423	4.43566324	0.005285795	4.201E-07	0.0285123	0.2909767	0.055496	0.020803	0.01946078	4.817278
456	489813.71	3860900.05	0.23269	0.1315	0.18833	0.26206	0.31878	0.21753	0.129	0.1315	4.29554886	0.005595122	4.517E-07	0.0244229	0.2644775	0.054142	0.021063	0.02059964	4.644651
457	489863.71	3860900.05	0.23035	0.13276	0.17151	0.2492	0.32209	0.21833	0.1294	0.13276	4.25235154	0.005648733	4.113E-07	0.0232244	0.2672237	0.054342	0.021123	0.02079702	4.603117
458	489913.71	3860900.05	0.22535	0.13775	0.18456	0.2387	0.32107	0.22059	0.1307	0.13775	4.16004957	0.00586105	4.426E-07	0.0222459	0.2663774	0.054904	0.021337	0.02157871	4.509197
459	489963.71	3860900.05	0.2198	0.14255	0.17756	0.22807	0.31433	0.22141	0.1314	0.14255	4.05759439	0.006065283	4.258E-07	0.0212552	0.2607856	0.055108	0.021445	0.02233063	4.399923
460	490013.71	3860900.05	0.21764	0.14642	0.15619	0.21927	0.2858	0.22343	0.1345	0.14642	4.01771994	0.006229945	3.746E-07	0.0204351	0.2371155	0.055611	0.021961	0.02293687	4.336136
461	490063.71	3860900.05	0.21771	0.14928	0.12575	0.21082	0.28868	0.22454	0.1412	0.14928	4.01901217	0.006351634	3.016E-07	0.0196476	0.2395049	0.055887	0.023053	0.02338489	4.340072
462	489663.71	3860950.05	0.23612	0.12163	0.16634	0.30718	0.34693	0.22378	0.1247	0.12163	4.35886801	0.005175169	3.989E-07	0.0286279	0.2878323	0.055698	0.020356	0.01905349	4.737505
463	489813.71	3860950.05	0.22684	0.1262	0.18331	0.26094	0.31831	0.21849	0.1264	0.1262	4.18755556	0.005369615	4.396E-07	0.0243185	0.2640876	0.054381	0.020624	0.01976938	4.536568
464	489863.71	3860950.05	0.22383	0.12994	0.15681	0.24905	0.31808	0.21737	0.1266	0.12994	4.13198978	0.005528747	3.761E-07	0.0232104	0.2638968	0.054103	0.02066	0.02035526	4.479033
465	489913.71	3860950.05	0.22129	0.13181	0.16872	0.23815	0.31978	0.21656	0.1276	0.13181	4.08510038	0.005608312	4.046E-07	0.0221946	0.2653072	0.053901	0.02083	0.0206482	4.432293
466	489963.71	3860950.05	0.21738	0.13573	0.17567	0.22777	0.3161	0.21827	0.1284	0.13573	4.01292024	0.005775102	4.213E-07	0.0212272	0.2622541	0.054327	0.020959	0.02126227	4.3562
467	490013.71	3860950.05	0.21572	0.14075	0.14244	0.21879	0.30419	0.22132	0.1296	0.14075	3.98227599	0.005988695	3.416E-07	0.0203903	0.2523729	0.055086	0.021158	0.02204866	4.315223
468	490063.71	3860950.05	0.21418	0.14441	0.12888	0.21058	0.2812	0.22213	0.131	0.14441	3.95384698	0.006144423	3.091E-07	0.0196252	0.2332991	0.055287	0.021389	0.022622	4.266971
469	489513.71	3861000.05	0.23612	0.11781	0.15485	0.39928	0.26549	0.21273	0.1193	0.11781	4.35886801	0.005012634	3.714E-07	0.0372112	0.2202652	0.052948	0.01948	0.01845508	4.67533
470	489563.71	3861000.05	0.22853	0.12009	0.14362	0.36107	0.30963	0.21424	0.1227	0.12009	4.21875362	0.005109644	3.444E-07	0.0336502	0.2568862	0.053324	0.020022	0.01881224	4.568933
471	489613.71	3861000.05	0.22825	0.12122	0.16967	0.33261	0.33784	0.21666	0.1228	0.12122	4.21358471	0.005157724	4.069E-07	0.0309979	0.2802908	0.053926	0.020049	0.01898926	4.585018
472	489663.71	3861000.05	0.23366	0.12229	0.16228	0.30884	0.34204	0.21938	0.1229	0.12229	4.31345544	0.005203251	3.892E-07	0.0287826	0.2837753	0.054603	0.020062	0.01915688	4.686725
473	489713.71	3861000.05	0.23122	0.12331	0.19123	0.28859	0.3403	0.22223	0.1234	0.12331	4.26841208	0.00524665	4.586E-07	0.0268954	0.2823317	0.055312	0.020134	0.01931666	4.639016
474	489763.71	3861000.05	0.22833	0.12456	0.2028	0.27013	0.33337	0.21752	0.1246	0.12456	4.21506154	0.005299836	4.864E-07	0.025175	0.2765822	0.05414	0.020345	0.01951248	4.577091
475	489813.71	3861000.05	0.22564	0.12626	0.17721	0.26021	0.32199	0.21326	0.1264	0.12626	4.16540309	0.005372168	4.25E-07	0.0242505	0.2671407	0.05308	0.020635	0.01977878	4.516103
476	489863.71	3861000.05	0.22266	0.12745	0.14348	0.2494	0.3128	0.21373	0.1276	0.12745	4.11039112	0.005422801	3.441E-07	0.023243	0.2595162	0.053197	0.020833	0.0199652	4.452638
477	489913.71	3861000.05	0.22011	0.12925	0.15447	0.23819	0.31726	0.21611	0.1295	0.12925	4.06331711	0.005499388	3.705E-07	0.0221983	0.2632165	0.053789	0.021135	0.02024717	4.408908
478	489963.71	3861000.05	0.21744	0.13102	0.16557	0.22752	0.31619	0.21802	0.1308	0.13102	4.01402786	0.005574699	3.971E-07	0.0212039	0.2623287	0.054264	0.021342	0.02052444	4.358218
479	490013.71	3861000.05	0.20773	0.13406	0.13013	0.21847	0.31081	0.22074	0.1316	0.13406	3.83477745	0.005704046	3.121E-07	0.0203605	0.2578652	0.054941	0.021476	0.02100066	4.174124
480	490063.71	3861000.05	0.20618	0.13895	0.13332	0.21018	0.28117	0.22261	0.1319	0.13895	3.80616384	0.005912108	3.197E-07	0.0195879	0.2332742	0.055407	0.021533	0.02176669	4.120112
481	489513.71	3861050.05	0.22704	0.11549	0.14601	0.40328	0.24001	0.21089	0.117	0.11549	4.19124764	0.004913921	3.502E-07	0.037584	0.1991256	0.05249	0.019103	0.01809165	4.486372
482	489563.71	3861050.05	0.22964	0.11588	0.13767	0.36448	0.28256	0.21176	0.1179	0.11588	4.23924466	0.004930515	3.302E-07	0.033968	0.2344274	0.052706	0.01924	0.01815274	4.566364
483	489613.71	3861050.05	0.21775	0.1168	0.16125	0.33561	0.32722	0.21385	0.1192	0.1168	4.01975059	0.00496966	3.867E-07	0.0312775	0.2714798	0.053227	0.019449	0.01829686	4.381856
484	489663.71	3861050.05	0.21364	0.11707	0.16496	0.30983	0.33582	0.2157	0.12	0.11707	3.94387837	0.004981148	3.956E-07	0.0288749	0.2786149	0.053687	0.019586	0.01833916	4.311283
485	489713.71	3861050.05	0.21745	0.11749	0.17925	0.28924	0.33672	0.21814	0.1207	0.11749	4.01421247	0.004999018	4.299E-07	0.026956	0.2793616	0.054294	0.019707	0.01840495	4.381125
486	489763.71	3861050.05	0.22237	0.11995	0.18992	0.27109	0.33273	0.22121	0.1216	0.11995	4.1050376	0.005103687	4.555E-07	0.0252645	0.2760512	0.055058	0.01984	0.01879031	4.467566
487	489813.71	3861050.05	0.22389	0.12369	0.16989	0.25868	0.32372	0.21671	0.1239	0.12369	4.1330974	0.005262819	4.075E-07	0.0241079	0.268576	0.053938	0.020219	0.01937619	4.485826
488	489863.71	3861050.05	0.22119	0.12511	0.13113	0.24963	0.30943	0.21254	0.1253	0.12511	4.08325434	0.005323238	3.145E-07	0.0232645	0.2567203	0.0529	0.020448	0.01959863	4.422312
489	489913.71	3861050.05	0.21859	0.12666	0.14107	0.23791	0.31288	0.21443	0.1269	0.12666	4.03525732	0.005389188	3.383E-07	0.0221722	0.2595826	0.053371	0.020707	0.01984144	4.376638
490	489963.71	3861050.05	0.21606	0.12827	0.15683	0.22746	0.31479	0.21619	0.1285	0.12827	3.98855252	0.005457691	3.761E-07	0.0211983	0.2611672	0.053809	0.020975	0.02009365	4.331066
491	490013.71	3861050.05	0.21385	0.1308	0.13028	0.21838	0.31239	0.21859	0.1305	0.1308	3.94775505	0.005565338	3.125E-07	0.0203521	0.259176	0.054406	0.021305	0.02048998	4.28807
492	490063.71	3861050.05	0.19924	0.13433	0.12804	0.20996	0.29946	0.22023	0.1324	0.13433	3.67804871	0.005715534	3.071E-07	0.0195674	0.2484486	0.054814	0.021605	0.02104296	4.007157
493	489513.71	3861100.05	0.21717	0.11395	0.13701	0.40359	0.22195	0.21016	0.1152	0.11395	4.00904356	0.004848397	3.286E-07	0.0376129	0.184142	0.052308	0.018797	0.01785041	4.288902
494	489563.71	3861100.05	0.22077	0.1139	0.13275	0.36576	0.25656	0.21003	0.1157	0.1139	4.07550097	0.004846269	3.184E-07	0.0340873	0.2128564	0.052276	0.01889	0.01784257	4.380615
495	489613.71	3861100.05	0.22317	0.11384	0.15082	0.33288	0.29793	0.21044	0.1163	0.11384	4.11980592	0.004843716	3.617E-07	0.031023	0.2471792	0.052378	0.018983	0.01783317	4.45638
496	489663.71	3861100.05	0.20733	0.11445	0.15899	0.30868	0.32746	0.21223	0.1174	0.11445	3.82739329	0.004869671	3.813E-07	0.0287677	0.2716789	0.052823	0.019168	0.01792873	4.186773
497	489713.71	3861100.05	0.20421	0.11513	0.16798	0.2891	0.33148	0.21456	0.1185	0.11513	3.76979686	0.004898604	4.029E-07	0.0269429	0.2750142	0.053403	0.019343	0.01803525	4.131364
498	489763.71	3861100.05	0.20342	0.11585	0.17775	0.27239	0.33019	0.2173	0.1187	0.11585	3.75521315	0.004929239	4.263E-07	0.0253856	0.2739439	0.054085	0.019379	0.01814804	4.114788
499	489813.71	3861100.05	0.20847	0.11681	0.1622	0.25683	0.32398	0.22051	0.1192	0.11681	3.84843814	0.004970085	3.89E-07	0.0239355	0.2687917	0.054884	0.019458	0.01829843	4.20218
500	489863.71	3861100.05	0.21311	0.118	0.12872	0.24905	0.31309	0.21666	0.12	0.118	3.93409436	0.005020718	3.087E-07	0.0232104	0.2597568	0.053926	0.019589	0.01848484	4.277113
501	489913.71	3861100.05	0.21678	0.11864	0.12883	0.23786	0.30727	0.21064	0.1203	0.11864	4.001844	0.005047949	3.09E-07	0.0221676	0.2549282	0.052428	0.019633	0.0185851	4.337464
502	489963.71	3861100.05	0.2145	0.12126	0.15792	0.22742	0.31191	0.21172	0.121	0.12126	3.95975431	0.005159426	3.787E-07	0.0211946	0.2587778	0.052696	0.019749	0.01899553	4.298336
503	490013.71	3861100.05	0.21214	0.12519	0.12987	0.21789	0.31162	0.21223	0.1236	0.12519	3.91618778	0.005326641	3.115E-07	0.0203064	0.2585372	0.052823	0.02017	0.01961117	4.253741
504	490063.71	3861100.05	0.20441	0.12896	0.11687	0.20958	0.30699	0.21298	0.1295	0.12896	3.77348894	0.005487049	2.803E-07	0.019532	0.2546959	0.05301	0.021136	0.02020174	4.107149
505	489713.71	3861150.05	0.20218	0.11301	0.1607	0.2892	0.32524	0.21187	0.1165	0.11301	3.73232227	0.004808401	3.854E-07	0.0269522	0.2698371	0.052734	0.019019	0.01770315	4.08797
506	489763.71	3861150.05	0.19613	0.11381	0.16667	0.27269	0.32672	0.21433	0.1168	0.11381	3.62063689	0.00484244	3.997E-07	0.0254136	0.271065	0.053346	0.019067	0.01782848	3.976543
507	489813.71	3861150.05	0.19564	0.11473	0.15485	0.25662	0.32317	0.21725	0.1173	0.11473	3.6115913	0.004881585	3.714E-07	0.0239159	0.2681197	0.054073	0.019139	0.01797259	3.963748
508	489863.71	3861150.05	0.19593	0.11558	0.13579	0.24685	0.3144	0.22032	0.1177	0.11558	3.61694481	0.004917751	3.257E-07	0.0230054	0.2608436	0.054837	0.019209	0.01810575	3.961652
509	489913.71	3861150.05	0.20111	0.1164	0.12325	0.23754	0.30094	0.21646	0.1181	0.1164	3.71256965	0.00495264	2.956E-07	0.0221377	0.2496765	0.053876	0.019282	0.0182342	4.044261

510	489963.71	3861150.05	0.20549	0.11718	0.15801	0.22683	0.30718	0.20951	0.1186	0.11718	3.79342617	0.004985828	3.79E-07	0.0211396	0.2548535	0.052146	0.019359	0.01835639	4.127554
511	490013.71	3861150.05	0.20905	0.11956	0.12953	0.21731	0.30957	0.20316	0.1192	0.11956	3.85914517	0.005087094	3.107E-07	0.0202524	0.2568364	0.050566	0.019458	0.01872922	4.192616
512	490063.71	3861150.05	0.20861	0.12355	0.10695	0.20918	0.30778	0.20288	0.1203	0.12355	3.85102259	0.005256862	2.565E-07	0.0194947	0.2553513	0.050496	0.019633	0.01935426	4.181901
513	489613.71	3861200.05	0.20464	0.10964	0.13279	0.33254	0.2459	0.20732	0.1123	0.10964	3.77773483	0.004665013	3.185E-07	0.0309914	0.2040123	0.051601	0.018332	0.01717524	4.070162
514	489663.71	3861200.05	0.20837	0.11031	0.13994	0.30882	0.28687	0.20842	0.1135	0.11031	3.8465921	0.00469352	3.356E-07	0.0287807	0.2380032	0.051875	0.01853	0.0172802	4.171194
515	489713.71	3861200.05	0.20395	0.11106	0.15889	0.2894	0.31798	0.21	0.1147	0.11106	3.76499716	0.004725432	3.811E-07	0.0269709	0.2638138	0.052268	0.018722	0.01739768	4.114101
516	489763.71	3861200.05	0.19814	0.11185	0.15746	0.27275	0.32192	0.21203	0.115	0.11185	3.65774228	0.004759045	3.776E-07	0.0254192	0.2670827	0.052774	0.018765	0.01752144	4.00902
517	489813.71	3861200.05	0.19167	0.11274	0.15025	0.2565	0.32095	0.21458	0.1154	0.11274	3.53830353	0.004796913	3.604E-07	0.0239047	0.2662779	0.053408	0.018832	0.01766086	3.887862
518	489863.71	3861200.05	0.19127	0.11376	0.14189	0.24607	0.31519	0.21741	0.116	0.11376	3.53091938	0.004840313	3.403E-07	0.0229327	0.2614991	0.054113	0.018926	0.01782064	3.87541
519	489913.71	3861200.05	0.19047	0.11452	0.13092	0.23745	0.30414	0.21753	0.1163	0.11452	3.51615106	0.004872649	3.14E-07	0.0221294	0.2523314	0.054142	0.018987	0.0179397	3.850674
520	489963.71	3861200.05	0.19003	0.1152	0.15102	0.22669	0.30153	0.21702	0.1167	0.1152	3.50802849	0.004901582	3.622E-07	0.0211266	0.250166	0.054016	0.019046	0.01804622	3.839238
521	490013.71	3861200.05	0.1949	0.11615	0.12424	0.21734	0.3066	0.21028	0.1174	0.11615	3.5979306	0.004942003	2.98E-07	0.0202552	0.2543723	0.052338	0.019158	0.01819504	3.930802
522	490063.71	3861200.05	0.19904	0.11807	0.09798	0.20879	0.30703	0.20376	0.1181	0.11807	3.67435663	0.005023696	2.35E-07	0.0194584	0.2547291	0.050715	0.019274	0.01849581	4.005061
523	489513.71	3861250.05	0.20912	0.1066	0.1134	0.39836	0.22422	0.2042	0.1084	0.1066	3.86043739	0.004535666	2.72E-07	0.0371255	0.1860253	0.050825	0.017696	0.01669902	4.139945
524	489563.71	3861250.05	0.20509	0.10734	0.12213	0.36347	0.21395	0.20206	0.1096	0.10734	3.78604201	0.004567151	2.929E-07	0.0338739	0.1775048	0.050292	0.017885	0.01681494	4.05335
525	489613.71	3861250.05	0.2	0.10801	0.12554	0.33412	0.22243	0.19936	0.1108	0.10801	3.69207861	0.004595659	3.011E-07	0.0311386	0.1845402	0.04962	0.018078	0.0169199	3.963131
526	489663.71	3861250.05	0.19897	0.10858	0.13128	0.30924	0.26166	0.19688	0.1119	0.10858	3.6730644	0.004619912	3.149E-07	0.0288199	0.2170876	0.049003	0.018262	0.01700919	3.973848
527	489713.71	3861250.05	0.20269	0.1093	0.15587	0.28957	0.29699	0.20596	0.1131	0.1093	3.74173707	0.004650546	3.738E-07	0.0269867	0.2463993	0.051263	0.018453	0.01712198	4.072368
528	489763.71	3861250.05	0.19497	0.11007	0.15553	0.27283	0.31613	0.21051	0.1133	0.11007	3.59922283	0.004683309	3.73E-07	0.0254266	0.2622789	0.052395	0.018492	0.0172426	3.945257
529	489813.71	3861250.05	0.19439	0.11089	0.15207	0.25651	0.31753	0.21262	0.1136	0.11089	3.5885158	0.004718198	3.647E-07	0.0239057	0.2634405	0.05292	0.018544	0.01737105	3.934674
530	489863.71	3861250.05	0.18812	0.11173	0.14573	0.24373	0.31405	0.21383	0.114	0.11173	3.47276914	0.004753939	3.495E-07	0.0227146	0.2605533	0.053222	0.01861	0.01750264	3.81512
531	489913.71	3861250.05	0.18763	0.11267	0.13703	0.2363	0.30594	0.21413	0.1146	0.11267	3.46372355	0.004793935	3.286E-07	0.0220222	0.2538248	0.053296	0.018699	0.01764989	3.798711
532	489963.71	3861250.05	0.18718	0.11353	0.13995	0.22674	0.29493	0.21435	0.1151	0.11353	3.45541637	0.004830526	3.356E-07	0.0211312	0.2446903	0.053351	0.018784	0.01778461	3.780419
533	490013.71	3861250.05	0.18624	0.11434	0.11406	0.2173	0.30224	0.21438	0.1156	0.11434	3.4380636	0.004864991	2.736E-07	0.0202515	0.250755	0.053358	0.018876	0.0179115	3.768258
534	490063.71	3861250.05	0.18493	0.11499	0.10103	0.20854	0.30492	0.21076	0.1161	0.11499	3.41388049	0.004892647	2.423E-07	0.0194351	0.2529785	0.052457	0.018952	0.01801332	3.744584
535	489528.13	3861308.47	0.20617	0.1048	0.11566	0.38768	0.22216	0.19971	0.1069	0.1048	3.80597923	0.004459078	2.774E-07	0.0361302	0.1843162	0.049707	0.017449	0.01641705	4.081624
536	489578.13	3861308.47	0.20254	0.10546	0.12319	0.35399	0.21263	0.197	0.108	0.10546	3.73896801	0.00448716	2.955E-07	0.0329904	0.1764096	0.049033	0.017635	0.01652044	4.003003
537	489628.13	3861308.47	0.19811	0.10611	0.12173	0.32616	0.20677	0.19389	0.1092	0.10611	3.65718847	0.004514817	2.919E-07	0.0303968	0.1715478	0.048259	0.017826	0.01662226	3.913111
538	489678.13	3861308.47	0.19277	0.10684	0.12683	0.3033	0.24489	0.19036	0.1105	0.10684	3.55860997	0.004545877	3.042E-07	0.0282663	0.2031743	0.04738	0.01803	0.01673662	3.84327
539	489728.13	3861308.47	0.19316	0.10759	0.15257	0.28438	0.28438	0.19035	0.1113	0.10759	3.56580952	0.004577789	3.659E-07	0.026503	0.2359374	0.047377	0.018169	0.0168541	3.88152
540	489778.13	3861308.47	0.19679	0.10827	0.1526	0.2681	0.30958	0.19849	0.1115	0.10827	3.63282075	0.004606722	3.66E-07	0.0249858	0.2568447	0.049403	0.018192	0.01696063	3.969893
541	489678.13	3861358.47	0.19298	0.10524	0.12332	0.30308	0.22175	0.18473	0.1089	0.10524	3.56248665	0.0044778	2.958E-07	0.0282458	0.1839761	0.045979	0.017771	0.01648597	3.82645
542	489728.13	3861358.47	0.18753	0.10593	0.14731	0.28403	0.2598	0.18081	0.1098	0.10593	3.46187751	0.004507158	3.533E-07	0.0264704	0.2155445	0.045003	0.017914	0.01659406	3.754723
543	489528.13	3861408.47	0.20302	0.10169	0.10432	0.38666	0.20843	0.18802	0.104	0.10169	3.747829	0.004326753	2.502E-07	0.0360351	0.1729251	0.046798	0.016977	0.01592986	4.008961
544	489578.13	3861408.47	0.20007	0.10234	0.11685	0.35307	0.21469	0.18485	0.1051	0.10234	3.69337084	0.004354409	2.802E-07	0.0329047	0.1781187	0.046009	0.017155	0.01603169	3.955881
545	489628.13	3861408.47	0.19687	0.10326	0.118	0.32676	0.20535	0.18194	0.1065	0.10326	3.63429758	0.004393554	2.83E-07	0.0304527	0.1703697	0.045284	0.01739	0.0161758	3.886013
546	489678.13	3861408.47	0.19284	0.1038	0.12013	0.30305	0.20013	0.17826	0.1075	0.1038	3.55990219	0.00441653	2.881E-07	0.028243	0.1660389	0.044368	0.017541	0.0162604	3.804249
547	489728.13	3861408.47	0.18805	0.10436	0.14237	0.2837	0.23637	0.17622	0.1083	0.10436	3.47147691	0.004440357	3.415E-07	0.0264397	0.1961056	0.043861	0.017673	0.01634812	3.743648
548	489528.13	3861458.47	0.2016	0.10043	0.10877	0.38859	0.19579	0.18128	0.1028	0.10043	3.72161524	0.004273142	2.609E-07	0.036215	0.1624382	0.04512	0.01678	0.01573248	3.970709
549	489578.13	3861458.47	0.1989	0.10109	0.11554	0.35434	0.21507	0.178	0.1039	0.10109	3.67177218	0.004301224	2.771E-07	0.033023	0.178434	0.044304	0.016956	0.01583587	3.932955
550	489628.13	3861458.47	0.19586	0.10173	0.1153	0.32621	0.20675	0.17472	0.105	0.10173	3.61565258	0.004328455	2.765E-07	0.0304014	0.1715312	0.043487	0.017134	0.01593613	3.866599
551	489678.13	3861458.47	0.19234	0.10231	0.11714	0.30268	0.1956	0.17125	0.106	0.10231	3.550672	0.004353133	2.809E-07	0.0282085	0.1622806	0.042624	0.017304	0.01602699	3.789415
552	489728.13	3861458.47	0.18809	0.10272	0.13739	0.28273	0.21388	0.16735	0.1067	0.10272	3.47221533	0.004370578	3.295E-07	0.0263493	0.1774467	0.041653	0.017418	0.01609121	3.723362
553	489528.13	3861508.47	0.20014	0.09915	0.11243	0.38905	0.18331	0.1744	0.1016	0.09915	3.69466306	0.00421868	2.696E-07	0.0362579	0.1520841	0.043408	0.016582	0.01553197	3.931682
554	489578.13	3861508.47	0.19761	0.0997	0.1139	0.35395	0.20476	0.17088	0.1026	0.0997	3.64795827	0.004242081	2.732E-07	0.0329867	0.1698802	0.042531	0.016744	0.01561813	3.898725
555	489628.13	3861508.47	0.19479	0.10026	0.11097	0.32555	0.20759	0.169	0.1036	0.10026	3.59589996	0.004265908	2.661E-07	0.0303399	0.1722282	0.042064	0.016909	0.01570585	3.846001
556	489678.13	3861508.47	0.19159	0.10077	0.11524	0.3019	0.19761	0.17115	0.1046	0.10077	3.5368267	0.004287608	2.764E-07	0.0281358	0.1639482	0.042599	0.01707	0.01578574	3.777082
557	489728.13	3861508.47	0.18791	0.10128	0.13295	0.28215	0.19299	0.16909	0.1054	0.10128	3.46889246	0.004309308	3.189E-07	0.0262952	0.1601152	0.042086	0.017198	0.01586564	3.703031
558	489628.13	3861558.47	0.19383	0.09094	0.10876	0.325	0.20821	0.16115	0.0992	0.09094	3.57817798	0.003869357	2.608E-07	0.0302887	0.1727425	0.04011	0.016197	0.01424586	3.82714
559	489678.13	3861558.47	0.19105	0.09298	0.11114	0.30166	0.19988	0.15881	0.1019	0.09298	3.52685809	0.003956156	2.666E-07	0.0281135	0.1658315	0.039527	0.016625	0.01456543	3.766346
560	489728.13	3861558.47	0.18775	0.09478	0.12964	0.28274	0.18867	0.15791	0.1045	0.09478	3.46593879	0.004032743	3.109E-07	0.0263502	0.1565311	0.039303	0.017059	0.0148474	3.694368
561	489357.08	3861015.81	0.23605	0.11499	0.13411	0.614	0.23998	0.21527	0.1159	0.11499	4.35757578	0.004892647	3.216E-07	0.0572223	0.1991007	0.05358	0.018915	0.01801332	4.673273
562	489407.08	3861015.81	0.23612	0.11531	0.15632	0.51286	0.24296	0.21078	0.1164	0.11531	4.35886801	0.004906263	3.749E-07	0.0477964	0.2015731	0.052462	0.019006	0.01806345	4.666549
563	489457.08	3861015.81	0.23185	0.11583	0.15041	0.45172	0.23179	0.21081	0.1172	0.11583	4.28004213	0.004928388	3.607E-07	0.0420984	0.1923058	0.05247	0.019135	0.01814491	4.572835
564	489357.08	3861065.81	0.23169	0.11313	0.12692	0.61807	0.23044	0.21734	0.1137	0.11313	4.27708846	0.004813507	3.044E-07	0.0576016	0.1911858	0.054095	0.018556	0.01772195	4.585619
565	489407.08	3861065.81	0.22756	0.11337	0.14564	0.51896	0.24292	0.20985	0.1142	0.11337	4.20084704	0.004823719	3.493E-07	0.0483649	0.2015399	0.052231	0.018647	0.01775955	4.508695
566	489457.08	3861065.81	0.22236	0.11386	0.13606	0.4557	0.23356	0.20957	0.115	0.11386	4.104853	0.004844567	3.263E-07	0.0424694	0.1937743	0.052161	0.018776	0.01783631	4.399043

567	489357.08	3861115.81	0.2278	0.11117	0.12364	0.61628	0.24621	0.21221	0.1115	0.11117	4.20527754	0.004730112	2.965E-07	0.0574347	0.2042694	0.052818	0.018197	0.01741492	4.525312
568	489407.08	3861115.81	0.22424	0.11171	0.14413	0.52121	0.23524	0.2101	0.1123	0.11171	4.13955854	0.004753088	3.457E-07	0.0485746	0.1951681	0.052293	0.018327	0.01749951	4.441176
569	489457.08	3861115.81	0.22008	0.11222	0.1285	0.45645	0.23497	0.20914	0.1131	0.11222	4.0627633	0.004774788	3.082E-07	0.0425393	0.1949441	0.052054	0.018466	0.0175794	4.357963
570	489407.08	3861165.81	0.2213	0.11004	0.15261	0.51727	0.22098	0.21115	0.1103	0.11004	4.08528498	0.004682032	3.66E-07	0.0482074	0.1833372	0.052555	0.018007	0.0172379	4.374836
571	489457.08	3861165.81	0.21755	0.1103	0.12354	0.45519	0.23517	0.20836	0.1111	0.1103	4.01605851	0.004693095	2.963E-07	0.0424218	0.19511	0.05186	0.018128	0.01727863	4.310993
572	489407.08	3861215.81	0.21816	0.10742	0.1324	0.52121	0.22005	0.21027	0.1079	0.10742	4.02731935	0.004570555	3.175E-07	0.0485746	0.1825657	0.052335	0.017619	0.01682747	4.316157
573	489457.08	3861215.81	0.21483	0.10781	0.1214	0.45662	0.22946	0.20653	0.1088	0.10781	3.96584624	0.004587149	2.912E-07	0.0425551	0.1903727	0.051405	0.017751	0.01688857	4.255629
574	489407.08	3861265.81	0.21534	0.10494	0.11924	0.50889	0.22443	0.20814	0.1058	0.10494	3.97526104	0.004465035	2.86E-07	0.0474264	0.1861996	0.051805	0.01727	0.01643898	4.265988
575	489457.08	3861265.81	0.21236	0.10551	0.11442	0.4509	0.21458	0.20451	0.1068	0.10551	3.92024907	0.004489288	2.744E-07	0.042022	0.1780274	0.050902	0.017434	0.01652827	4.196596
576	489309.86	3861110.14	0.23141	0.11076	0.12365	0.76354	0.21594	0.21421	0.1109	0.11076	4.27191955	0.004712667	2.966E-07	0.0711588	0.1791558	0.053316	0.018105	0.01735069	4.581018
577	489407.08	3861315.81	0.21311	0.10325	0.11792	0.50871	0.20081	0.20163	0.1043	0.10325	3.93409436	0.004393128	2.828E-07	0.0474097	0.1666031	0.050185	0.017018	0.01617424	4.20353
578	489457.08	3861315.81	0.21036	0.10385	0.10633	0.45203	0.20097	0.20293	0.1053	0.10385	3.88332828	0.004418657	2.55E-07	0.0421273	0.1667358	0.050509	0.017185	0.01626823	4.148035
579	488906.03	3861006.75	0.26459	0.1096	0.28902	0.46462	0.10415	0.26387	0.1102	0.1096	4.8844354	0.004663311	6.932E-07	0.0433007	0.0864086	0.065676	0.017988	0.01716897	5.085304
580	488956.03	3861006.75	0.2637	0.11069	0.27871	0.51017	0.11866	0.25415	0.1113	0.11069	4.86800565	0.004709689	6.684E-07	0.0475457	0.0984469	0.063257	0.018166	0.01733972	5.082792
581	488904.24	3861051.87	0.26005	0.1072	0.28984	0.42628	0.0974	0.26594	0.1078	0.1072	4.80062521	0.004561195	6.951E-07	0.0397275	0.0808084	0.066192	0.017594	0.01679301	4.992716
582	488954.24	3861051.87	0.25808	0.10864	0.28295	0.48354	0.11545	0.25486	0.1092	0.10864	4.76425824	0.004622464	6.786E-07	0.0450639	0.0957837	0.063434	0.017828	0.01701859	4.973972
583	489004.24	3861051.87	0.2572	0.10913	0.26088	0.52102	0.10658	0.24616	0.1096	0.10913	4.74801309	0.004643313	6.257E-07	0.0485569	0.0884247	0.061268	0.017885	0.01709535	4.951697
584	488804.24	3861101.87	0.25133	0.1047	0.28524	0.38827	0.07729	0.25296	0.1053	0.1047	4.63965058	0.004454824	6.841E-07	0.0361852	0.0641241	0.062961	0.017183	0.01640138	4.808158
585	488854.24	3861101.87	0.25222	0.10505	0.27356	0.40243	0.08206	0.23824	0.1056	0.10505	4.65608033	0.004469715	6.561E-07	0.0375048	0.0680815	0.059297	0.017243	0.01645621	4.826221
586	488904.24	3861101.87	0.25064	0.10606	0.26169	0.45646	0.08769	0.25625	0.1064	0.10606	4.62691291	0.004512689	6.276E-07	0.0425402	0.0727525	0.06378	0.017359	0.01661443	4.811244
587	488954.24	3861101.87	0.2496	0.10649	0.25405	0.52227	0.10472	0.25294	0.1067	0.10649	4.6077141	0.004530985	6.093E-07	0.0486734	0.0868815	0.062956	0.017418	0.01668179	4.811493
588	489004.24	3861101.87	0.2485	0.10727	0.24517	0.60306	0.10704	0.24366	0.1074	0.10727	4.58740767	0.004564173	5.88E-07	0.0562027	0.0888063	0.060646	0.017536	0.01680398	4.798359
589	488804.24	3861151.87	0.24197	0.10231	0.25308	0.38491	0.07479	0.25	0.1025	0.10231	4.4668613	0.004353133	6.07E-07	0.035872	0.0620499	0.062224	0.016733	0.01602699	4.632067
590	488854.24	3861151.87	0.24245	0.10282	0.22523	0.42811	0.07956	0.23453	0.103	0.10282	4.47572229	0.004374832	5.402E-07	0.0398981	0.0660074	0.058374	0.016804	0.01610688	4.645074
591	489129.49	3861187.55	0.23432	0.10503	0.18889	1.15625	0.09118	0.22519	0.1048	0.10503	4.3256393	0.004468865	4.53E-07	0.1077577	0.075648	0.056049	0.01711	0.01645308	4.57022
592	489179.49	3861187.55	0.23017	0.10566	0.13316	2.09045	0.11799	0.22155	0.1054	0.10566	4.24902867	0.00449567	3.194E-07	0.1948213	0.097891	0.055143	0.017201	0.01655177	4.602029
593	488804.24	3861201.87	0.23495	0.10079	0.23196	0.37727	0.07288	0.23403	0.1008	0.10079	4.33726935	0.004288459	5.563E-07	0.03516	0.0604653	0.058249	0.01646	0.01578888	4.496104
594	488854.24	3861201.87	0.23531	0.10096	0.20819	0.41922	0.07779	0.23073	0.101	0.10096	4.34391509	0.004295692	4.993E-07	0.0390696	0.0645389	0.057428	0.016478	0.01581551	4.50991
595	489129.49	3861237.55	0.23002	0.10344	0.1713	1.16626	0.08045	0.19984	0.1032	0.10344	4.24625961	0.004401212	4.108E-07	0.1086906	0.0667458	0.049739	0.016847	0.016204	4.47648
596	489179.49	3861237.55	0.22823	0.10383	0.1182	2.11517	0.10319	0.20066	0.1036	0.10383	4.2132155	0.004417806	2.835E-07	0.1971251	0.0856121	0.049944	0.016906	0.0162651	4.550955
597	488804.24	3861251.87	0.22832	0.09935	0.19204	0.37392	0.07098	0.22774	0.0993	0.09935	4.21487694	0.004227189	4.606E-07	0.0348478	0.0588889	0.056684	0.016204	0.0155633	4.370165
598	488854.24	3861251.87	0.22888	0.09946	0.19328	0.41475	0.07608	0.22601	0.0993	0.09946	4.22521476	0.00423187	4.636E-07	0.038653	0.0631202	0.056253	0.016214	0.01558053	4.388106
599	488804.24	3861301.87	0.21564	0.09769	0.17943	0.37847	0.06893	0.22075	0.0975	0.09769	3.98079916	0.004156559	4.303E-07	0.0352718	0.0571881	0.054944	0.015915	0.01530326	4.132972
600	488854.24	3861301.87	0.22278	0.09794	0.19143	0.41439	0.0743	0.22037	0.0977	0.09794	4.11260636	0.004167196	4.591E-07	0.0386194	0.0616434	0.054849	0.015954	0.01534242	4.272498
601	490943.5	3860181.97	0.25461	0.41446	0.29689	0.53119	0.27243	0.37394	0.4138	0.41446	4.70020067	0.017634634	7.12E-07	0.0495047	0.226023	0.093072	0.067542	0.06492566	5.089053
602	490993.5	3860181.97	0.25678	0.44233	0.28992	0.52144	0.28634	0.38546	0.4461	0.44233	4.74025973	0.018820459	6.953E-07	0.0485961	0.2375635	0.09594	0.072816	0.06929153	5.144705
603	491043.5	3860181.97	0.25898	0.47751	0.26337	0.53305	0.3083	0.39374	0.4868	0.47751	4.78087259	0.020317314	6.317E-07	0.0496781	0.2557827	0.098001	0.079465	0.07480252	5.209314
604	491093.5	3860181.97	0.26224	0.5267	0.26289	0.56813	0.32876	0.39521	0.5357	0.5267	4.84105347	0.022410273	6.305E-07	0.0529474	0.2727575	0.098366	0.087448	0.0825082	5.292476
605	490943.5	3860231.97	0.243	0.37585	0.37455	0.46722	0.30292	0.34812	0.3771	0.37585	4.48587551	0.015991838	8.983E-07	0.043543	0.2513192	0.086646	0.061547	0.05887736	4.886046
606	490993.5	3860231.97	0.24583	0.40191	0.31497	0.4748	0.26832	0.35078	0.4046	0.40191	4.53811842	0.017100651	7.554E-07	0.0442494	0.2226131	0.087308	0.066041	0.06295969	4.912471
607	491043.5	3860231.97	0.24777	0.42934	0.27423	0.46814	0.27565	0.35973	0.4364	0.42934	4.57393158	0.018267755	6.577E-07	0.0436287	0.2286945	0.089536	0.071231	0.06725663	4.958033
608	491093.5	3860231.97	0.25003	0.463	0.26654	0.45856	0.29643	0.37114	0.473	0.463	4.61565207	0.019699936	6.393E-07	0.0427359	0.2459347	0.092375	0.077207	0.07252951	5.021076
609	490943.5	3860281.97	0.23165	0.35106	0.37691	0.44516	0.33165	0.32444	0.3523	0.35106	4.27635005	0.014937062	9.04E-07	0.0414871	0.2751552	0.080752	0.057505	0.05499398	4.691194
610	490993.5	3860281.97	0.23437	0.37188	0.36357	0.4515	0.29777	0.33745	0.3666	0.37188	4.32656232	0.01582292	8.72E-07	0.0420779	0.2470465	0.08399	0.05984	0.05825545	4.717085
611	491043.5	3860281.97	0.2366	0.39418	0.32515	0.44871	0.26278	0.3344	0.3952	0.39418	4.36772899	0.016771751	7.798E-07	0.0418179	0.2180168	0.083231	0.064513	0.06174878	4.730331
612	491093.5	3860281.97	0.2388	0.42421	0.2603	0.44041	0.26494	0.3318	0.4305	0.42421	4.40834186	0.018049481	6.243E-07	0.0410444	0.2198089	0.082584	0.07027	0.06645301	4.773646
613	490943.5	3860331.97	0.22083	0.32612	0.37067	0.41495	0.34792	0.29491	0.3236	0.32612	4.0766086	0.013875903	8.89E-07	0.0386716	0.2886537	0.073402	0.052814	0.0510871	4.49294
614	490993.5	3860331.97	0.22284	0.3407	0.36225	0.42737	0.32093	0.29058	0.3388	0.3407	4.11371399	0.01449626	8.688E-07	0.0398291	0.2662613	0.072324	0.055302	0.05337107	4.508557
615	491043.5	3860331.97	0.225	0.36186	0.34657	0.43263	0.29056	0.29012	0.3504	0.36186	4.15358843	0.015396585	8.312E-07	0.0403193	0.2410647	0.07221	0.0572	0.05668581	4.523094
616	491093.5	3860331.97	0.22718	0.38235	0.32781	0.43136	0.2569	0.29204	0.3655	0.38235	4.19383209	0.016268403	7.862E-07	0.040201	0.2131385	0.072688	0.059658	0.05989559	4.535891
617	490086.72	3859935.12	0.26239	0.33625	0.70897	0.47445	0.51054	0.34287	0.3449	0.33625	4.84382253	0.014306919	1.7E-06	0.0442168	0.4235722	0.085339	0.056289	0.05267397	5.414875
618	490136.72	3859935.12	0.26173	0.34837	0.7504	0.50447	0.45703	0.35305	0.3599	0.34837	4.83163867	0.014822606	1.8E-06	0.0470145	0.3791774	0.087873	0.058753	0.05457258	5.364708
619	490186.72	3859935.12	0.26199	0.36843	0.67547	0.51892	0.40554	0.36417	0.3728	0.36843	4.83643837	0.015676128	1.62E-06	0.0483612	0.3364584	0.090641	0.06085	0.05771501	5.330711
620	490236.72	3859935.12	0.26334	0.38558	0.64647	0.53534	0.33297	0.3728	0.3871	0.38558	4.8613599	0.016405834	1.55E-06	0.0498915	0.2762503	0.092789	0.063191	0.06040158	5.299487
621	490286.72	3859935.12	0.26575	0.40225	0.71816	0.55142	0.31101	0.36569	0.4027	0.40225	4.90584945	0.017115117	1.722E-06	0.0513901	0.2580311	0.091019	0.065724	0.06301295	5.326118
622	490336.72	3859935.12	0.26937	0.43495	0.67915	0.60939	0.35665	0.38821	0.4191	0.43495	4.97267607	0.018506452	1.629E-06	0.0567926	0.2958966	0.096624	0.068412	0.06813545	5.440774
623	490386.72	3859935.12	0.27426	0.45794	0.69845	0.65325	0.40947	0.41064	0.4454	0.45794	5.0629474	0.019484641	1.675E-06	0.0608802	0.339719	0.102207	0.072707	0.07173686	5.58621

624	490436.72	3859935.12	0.27999	0.4784	0.66735	0.6733	0.44328	0.41878	0.4746	0.4784	5.16872545	0.020355182	1.601E-06	0.0627488	0.3677696	0.104233	0.07746	0.07494194	5.726352
625	490486.72	3859935.12	0.28632	0.50441	0.59992	0.69843	0.47738	0.43578	0.5076	0.50441	5.28557974	0.021461868	1.439E-06	0.0650908	0.3960609	0.108464	0.08286	0.07901644	5.880502
626	490536.72	3859935.12	0.29316	0.56027	0.5604	0.74121	0.44022	0.46415	0.5483	0.56027	5.41184882	0.023838624	1.344E-06	0.0690777	0.3652309	0.115525	0.089493	0.08776698	5.987249
627	490586.72	3859935.12	0.29963	0.61906	0.47097	0.79012	0.40536	0.4987	0.6087	0.61906	5.53128757	0.026340048	1.13E-06	0.0736359	0.3363091	0.124125	0.099361	0.0969765	6.094083
628	490636.72	3859935.12	0.30505	0.6777	0.44331	0.80972	0.35776	0.53982	0.6663	0.6777	5.6313429	0.02883509	1.063E-06	0.0754626	0.2968175	0.134359	0.108763	0.10616253	6.169418
629	490686.72	3859935.12	0.31171	0.79374	0.44029	0.93052	0.32614	0.61681	0.7715	0.79374	5.75428912	0.033772413	1.056E-06	0.0867206	0.2705838	0.153522	0.125937	0.12434034	6.300486
630	490736.72	3859935.12	0.31942	0.91005	0.53183	1.04858	0.35409	0.69307	0.893	0.91005	5.89661875	0.038721224	1.276E-06	0.0977233	0.2937727	0.172503	0.145765	0.14256044	6.502544
631	490086.72	3859985.12	0.26493	0.29886	0.64353	0.42195	0.51381	0.3368	0.3213	0.29886	4.89071193	0.012716032	1.543E-06	0.039324	0.4262852	0.083828	0.052445	0.04681678	5.458496
632	490136.72	3859985.12	0.25806	0.30986	0.63541	0.45367	0.49114	0.3442	0.3282	0.30986	4.76388903	0.013184065	1.524E-06	0.0422802	0.4074769	0.08567	0.05357	0.04853995	5.317532
633	490186.72	3859985.12	0.25723	0.32256	0.67097	0.48517	0.4356	0.35266	0.3294	0.32256	4.7485669	0.01372443	1.609E-06	0.0452158	0.3613979	0.087776	0.053774	0.05052942	5.259927
634	490236.72	3859985.12	0.2573	0.33651	0.61578	0.49614	0.38757	0.36279	0.3399	0.33651	4.74985913	0.014317981	1.477E-06	0.0462382	0.3215495	0.090297	0.055488	0.0527147	5.225037
635	490286.72	3859985.12	0.25797	0.35188	0.59529	0.50496	0.31293	0.36969	0.3498	0.35188	4.76222759	0.014971951	1.428E-06	0.0470602	0.259624	0.092015	0.057094	0.05512243	5.177871
636	490336.72	3859985.12	0.25965	0.37247	0.6428	0.51975	0.30439	0.37487	0.3668	0.37247	4.79324105	0.015848024	1.542E-06	0.0484385	0.2525388	0.093304	0.059872	0.05834788	5.204896
637	490386.72	3859985.12	0.26217	0.38586	0.63013	0.5658	0.34544	0.37493	0.3836	0.38586	4.83976124	0.016417748	1.511E-06	0.0527302	0.2865961	0.093319	0.062621	0.06044544	5.291001
638	490436.72	3859985.12	0.26593	0.40504	0.63233	0.59135	0.39608	0.39066	0.4017	0.40504	4.90917232	0.017233827	1.517E-06	0.0551114	0.3286099	0.097234	0.065567	0.06345001	5.40948
639	490486.72	3859985.12	0.2707	0.42701	0.61051	0.62193	0.42966	0.40527	0.4164	0.42701	4.9972284	0.018168617	1.464E-06	0.0579613	0.3564697	0.10087	0.06796	0.06689164	5.531768
640	490536.72	3859985.12	0.27629	0.45494	0.56483	0.65305	0.46316	0.41981	0.4581	0.45494	5.10042199	0.019356995	1.355E-06	0.0608616	0.3842632	0.104489	0.074782	0.07126691	5.672909
641	490586.72	3859985.12	0.28218	0.48988	0.56252	0.68843	0.43056	0.44439	0.485	0.48988	5.20915371	0.020843638	1.349E-06	0.0641588	0.3572164	0.110607	0.079171	0.0767403	5.764412
642	490636.72	3859985.12	0.28792	0.54699	0.44808	0.7095	0.39192	0.46722	0.5259	0.54699	5.31511637	0.023273581	1.075E-06	0.0661225	0.3251585	0.116289	0.085848	0.08568665	5.846123
643	490686.72	3859985.12	0.29391	0.61904	0.42344	0.73501	0.35301	0.51726	0.5923	0.61904	5.42569412	0.026339197	1.016E-06	0.0684999	0.2928766	0.128744	0.096685	0.09697337	5.941867
644	490736.72	3859985.12	0.29878	0.6779	0.39591	0.79535	0.31269	0.56365	0.6403	0.6779	5.51559623	0.028843599	9.495E-07	0.0741233	0.2594249	0.140291	0.104522	0.10619386	6.016608
645	490786.72	3859985.12	0.30557	0.73597	0.39809	0.86201	0.33866	0.62408	0.7147	0.73597	5.6409423	0.031314388	9.548E-07	0.0803358	0.2809711	0.155331	0.116655	0.1152906	6.19026
646	490086.72	3860035.12	0.26886	0.27506	0.49867	0.39713	0.46962	0.34589	0.2975	0.27506	4.96326127	0.011703379	1.196E-06	0.0370109	0.3896227	0.086091	0.048565	0.04308848	5.493167
647	490136.72	3860035.12	0.26169	0.28691	0.59256	0.40875	0.50606	0.33453	0.3034	0.28691	4.83090026	0.012207578	1.421E-06	0.0380938	0.4198554	0.083263	0.049519	0.0449448	5.388896
648	490186.72	3860035.12	0.25497	0.29225	0.57257	0.42109	0.47301	0.32395	0.3095	0.29225	4.70684641	0.012434787	1.373E-06	0.0392438	0.3924353	0.08063	0.050521	0.04578132	5.236331
649	490236.72	3860035.12	0.25222	0.2977	0.60441	0.44204	0.41489	0.33336	0.3155	0.2977	4.65608033	0.012666676	1.45E-06	0.0411963	0.3442157	0.082972	0.0515	0.04663507	5.141998
650	490286.72	3860035.12	0.2517	0.30803	0.52958	0.47545	0.35993	0.34247	0.324	0.30803	4.64648093	0.013106201	1.27E-06	0.04431	0.2986179	0.08524	0.052884	0.04825327	5.092387
651	490336.72	3860035.12	0.25225	0.32417	0.55129	0.49075	0.29678	0.35354	0.3326	0.32417	4.65663415	0.013792934	1.322E-06	0.0457359	0.2462251	0.087995	0.054285	0.05078163	5.053888
652	490386.72	3860035.12	0.2532	0.34346	0.57326	0.49474	0.29708	0.3616	0.3385	0.34346	4.67417152	0.014613693	1.375E-06	0.0461077	0.246474	0.090001	0.055258	0.05380343	5.072824
653	490436.72	3860035.12	0.25524	0.3537	0.5823	0.55081	0.33471	0.37596	0.349	0.3537	4.71183072	0.015049389	1.397E-06	0.0513332	0.2776939	0.093575	0.056965	0.05540754	5.151041
654	490486.72	3860035.12	0.25833	0.36622	0.57678	0.57136	0.3837	0.38148	0.3658	0.36622	4.76887334	0.015582096	1.383E-06	0.0532484	0.3183388	0.094949	0.059704	0.05736881	5.253328
655	490536.72	3860035.12	0.26251	0.38417	0.58543	0.59178	0.41742	0.3941	0.3834	0.38417	4.84603778	0.016345841	1.404E-06	0.0551514	0.3463147	0.09809	0.062575	0.0601807	5.364336
656	490586.72	3860035.12	0.26723	0.40378	0.55325	0.61506	0.4489	0.40989	0.4094	0.40378	4.93317083	0.017180216	1.327E-06	0.057321	0.3724323	0.10202	0.066826	0.06325263	5.485699
657	490636.72	3860035.12	0.27189	0.42349	0.52769	0.63806	0.41893	0.41799	0.4314	0.42349	5.01919626	0.018018846	1.266E-06	0.0594646	0.3475675	0.104036	0.070423	0.06634022	5.552368
658	490686.72	3860035.12	0.27709	0.47638	0.46582	0.67216	0.38094	0.4268	0.4575	0.47638	5.11519031	0.020269234	1.117E-06	0.0626425	0.3160489	0.106229	0.074672	0.07462551	5.620428
659	490736.72	3860035.12	0.28289	0.53512	0.38923	0.66311	0.34389	0.46642	0.5086	0.53512	5.22226059	0.022768531	9.335E-07	0.0617991	0.2853102	0.11609	0.083023	0.0838272	5.707425
660	490786.72	3860035.12	0.28733	0.57327	0.36637	0.68444	0.3034	0.50263	0.545	0.57327	5.30422473	0.024391754	8.787E-07	0.063787	0.2517174	0.125103	0.08896	0.08980344	5.768381
661	490836.72	3860035.12	0.29176	0.61417	0.34793	0.71778	0.32363	0.53946	0.59	0.61417	5.38600427	0.026131986	8.345E-07	0.0668941	0.2685014	0.13427	0.096298	0.09621048	5.88189
662	490086.72	3860085.12	0.27384	0.26267	0.44512	0.36258	0.49188	0.35513	0.2935	0.26267	5.05519403	0.011176203	1.068E-06	0.033791	0.4080909	0.088391	0.047899	0.04114758	5.603396
663	490136.72	3860085.12	0.2658	0.26581	0.50323	0.38688	0.46375	0.3513	0.2933	0.26581	4.90677247	0.011309806	1.207E-06	0.0360556	0.3847527	0.087437	0.04787	0.04163946	5.43256
664	490186.72	3860085.12	0.25909	0.27232	0.54275	0.39966	0.49985	0.33589	0.2995	0.27232	4.78290323	0.011586796	1.302E-06	0.0372467	0.4147032	0.083602	0.048894	0.04265926	5.336277
665	490236.72	3860085.12	0.25221	0.28782	0.49597	0.40435	0.45601	0.32778	0.2997	0.28782	4.65589573	0.012246297	1.19E-06	0.0376837	0.3783311	0.081583	0.048923	0.04508735	5.169577
666	490286.72	3860085.12	0.24722	0.29675	0.53614	0.40855	0.39546	0.33275	0.3033	0.29675	4.56377837	0.012626255	1.286E-06	0.0380752	0.3280955	0.08282	0.049506	0.04648625	5.028416
667	490336.72	3860085.12	0.2464	0.30205	0.46287	0.43093	0.33583	0.33944	0.3102	0.30205	4.54864085	0.012851762	1.11E-06	0.0401609	0.2786232	0.084485	0.050625	0.0473165	4.968072
668	490386.72	3860085.12	0.24635	0.30831	0.50657	0.4577	0.28735	0.34751	0.3177	0.30831	4.54771783	0.013118115	1.215E-06	0.0426557	0.2384015	0.086494	0.051851	0.04829714	4.931943
669	490436.72	3860085.12	0.24708	0.31963	0.51643	0.47207	0.29023	0.35583	0.3224	0.31963	4.56119391	0.013599764	1.239E-06	0.043995	0.2407909	0.088565	0.052622	0.05007043	4.950697
670	490486.72	3860085.12	0.2486	0.32825	0.52745	0.51943	0.32412	0.35647	0.3279	0.32825	4.58925371	0.013966531	1.265E-06	0.0484087	0.2689079	0.088724	0.053521	0.05142076	5.011363
671	490536.72	3860085.12	0.25127	0.34007	0.52889	0.53617	0.37187	0.35779	0.3414	0.34007	4.63854296	0.014469454	1.268E-06	0.0499688	0.3085239	0.089053	0.055725	0.05327238	5.103011
672	490586.72	3860085.12	0.25473	0.35419	0.55609	0.55467	0.40482	0.37383	0.3598	0.35419	4.70241592	0.015070238	1.334E-06	0.0516929	0.3358611	0.093045	0.058728	0.05548429	5.20133
673	490636.72	3860085.12	0.25859	0.36887	0.52099	0.57111	0.43397	0.37463	0.3742	0.36887	4.77367304	0.01569485	1.25E-06	0.0532251	0.3600455	0.093244	0.061082	0.05778393	5.299182
674	490686.72	3860085.12	0.26307	0.39191	0.49844	0.59292	0.41002	0.38297	0.4	0.39191	4.8563756	0.016675166	1.195E-06	0.0552577	0.3401753	0.09532	0.065296	0.06139318	5.367708
675	490736.72	3860085.12	0.26777	0.41892	0.46978	0.61954	0.37294	0.40418	0.4241	0.41892	4.94313945	0.0178244	1.127E-06	0.0577386	0.3094117	0.100599	0.069229	0.06562433	5.432318
676	490786.72	3860085.12	0.27213	0.46628	0.38029	0.62958	0.33491	0.42695	0.4544	0.46628	5.02362676	0.019839495	9.121E-07	0.0586743	0.2778599	0.106266	0.074174	0.07304333	5.487399
677	490836.72	3860085.12	0.27543	0.49066	0.34677	0.60783	0.29542	0.4436	0.4882	0.49066	5.08454606	0.020876826	8.317E-07	0.0566472	0.2450968	0.110411	0.079695	0.07686249	5.520411
678	490086.72	3860135.12	0.27651	0.24838	0.40622	0.3514	0.50447	0.33925	0.2641	0.24838	5.10448328	0.010568186	9.743E-07	0.032749	0.4185362	0.084438	0.043107	0.03890903	5.654974
679	490136.72	3860135.12	0.26984	0.25273	0.40239	0.35516	0.4702	0.34419	0.2754	0.25273	4.98135246	0.010753272	9.651E-07	0.0330994	0.3901039	0.085668	0.044952	0.03959046	5.506339
680	490186.72	3860135.12	0.26313	0.25775	0.48652	0.3651	0.45838	0.34461	0.2813	0.25775	4.85748322	0.010966865	1.167E-06	0.0340258	0.3802974	0.085772	0.045916	0.04037685	5.374086

681	490236.72	3860135.12	0.25611	0.26242	0.47264	0.36771	0.48313	0.34168	0.2854	0.26242	4.72789126	0.011165566	1.134E-06	0.0342691	0.4008314	0.085043	0.046582	0.04110841	5.264675
682	490286.72	3860135.12	0.24921	0.27167	0.46751	0.37158	0.43584	0.32717	0.2905	0.27167	4.60051455	0.011559139	1.121E-06	0.0346297	0.361597	0.081432	0.047424	0.04255744	5.0946
683	490336.72	3860135.12	0.24205	0.27994	0.47514	0.37555	0.37611	0.32575	0.2957	0.27994	4.46833814	0.011911015	1.14E-06	0.0349997	0.3120417	0.081078	0.048273	0.04385294	4.91279
684	490386.72	3860135.12	0.24106	0.28605	0.40715	0.39508	0.31889	0.33146	0.3004	0.28605	4.45006235	0.012170986	9.765E-07	0.0368198	0.2645688	0.082499	0.049037	0.04481008	4.850349
685	490436.72	3860135.12	0.24065	0.29173	0.4669	0.42754	0.28083	0.3319	0.305	0.29173	4.44249359	0.012412662	1.12E-06	0.039845	0.2329921	0.082609	0.04979	0.04569986	4.814443
686	490486.72	3860135.12	0.24109	0.30346	0.46788	0.45091	0.28353	0.33074	0.3116	0.30346	4.45061616	0.012911755	1.122E-06	0.0420229	0.2352322	0.08232	0.050869	0.04753738	4.826435
687	490536.72	3860135.12	0.24249	0.31977	0.48425	0.49596	0.31483	0.3323	0.319	0.31977	4.47646071	0.01360572	1.161E-06	0.0462214	0.2612004	0.082708	0.052073	0.05009236	4.882179
688	490586.72	3860135.12	0.24453	0.32996	0.48755	0.509	0.36064	0.34112	0.3288	0.32996	4.51411991	0.014039289	1.169E-06	0.0474367	0.2992069	0.084904	0.053663	0.05168864	4.961682
689	490636.72	3860135.12	0.24725	0.34135	0.52597	0.52122	0.39252	0.35811	0.3404	0.34135	4.56433218	0.014523916	1.261E-06	0.0485755	0.3256563	0.089132	0.05557	0.05347289	5.044318
690	490686.72	3860135.12	0.2505	0.35384	0.48687	0.5325	0.42028	0.36489	0.3518	0.35384	4.62432846	0.015055346	1.168E-06	0.0496268	0.3486876	0.09082	0.057429	0.05542947	5.130518
691	490736.72	3860135.12	0.25422	0.37019	0.46551	0.54638	0.40014	0.37208	0.3687	0.37019	4.69300112	0.015751014	1.116E-06	0.0509204	0.3319783	0.092609	0.060186	0.05799071	5.186456
692	490786.72	3860135.12	0.25825	0.39232	0.44786	0.56683	0.36229	0.38387	0.4001	0.39232	4.7673965	0.016692611	1.074E-06	0.0528262	0.3005758	0.095544	0.065314	0.06145741	5.236893
693	490836.72	3860135.12	0.26148	0.41425	0.39093	0.57995	0.32572	0.38535	0.4178	0.41425	4.82702357	0.017625699	9.376E-07	0.0540489	0.2702353	0.095912	0.068199	0.06489277	5.268153
694	490086.72	3860185.12	0.28002	0.23445	0.35741	0.33208	0.5151	0.3194	0.238	0.23445	5.16927926	0.009975486	8.572E-07	0.0309485	0.4273555	0.079498	0.038847	0.03672688	5.719177
695	490136.72	3860185.12	0.27386	0.24207	0.34986	0.33077	0.48774	0.31186	0.2552	0.24207	5.05556324	0.010299705	8.391E-07	0.0308264	0.4046561	0.077621	0.041651	0.03792056	5.582698
696	490186.72	3860185.12	0.26729	0.246	0.42645	0.3417	0.45327	0.31795	0.2603	0.246	4.93427846	0.010466921	1.023E-06	0.031845	0.3760579	0.079137	0.042488	0.0385362	5.435738
697	490236.72	3860185.12	0.26038	0.24971	0.45986	0.35799	0.45198	0.31864	0.2642	0.24971	4.80671714	0.010624775	1.103E-06	0.0333632	0.3749876	0.079308	0.043118	0.03911738	5.309003
698	490286.72	3860185.12	0.25343	0.254	0.42934	0.35834	0.46545	0.31687	0.2683	0.254	4.67841741	0.010807308	1.03E-06	0.0333958	0.3861631	0.078868	0.043794	0.03978941	5.191657
699	490336.72	3860185.12	0.2463	0.25844	0.44721	0.35758	0.41517	0.31309	0.2726	0.25844	4.54679481	0.010996223	1.073E-06	0.033325	0.344448	0.077927	0.044501	0.04048494	5.017508
700	490386.72	3860185.12	0.23902	0.26438	0.41211	0.36689	0.35734	0.31799	0.2773	0.26438	4.41240315	0.011248961	9.884E-07	0.0341926	0.296469	0.079147	0.04527	0.04141545	4.837316
701	490436.72	3860185.12	0.23557	0.26994	0.38802	0.37806	0.30258	0.31105	0.2852	0.26994	4.34871479	0.011485531	9.306E-07	0.0352336	0.2510371	0.077419	0.046558	0.04228643	4.728163
702	490486.72	3860185.12	0.23504	0.27558	0.42601	0.39594	0.27478	0.31517	0.2927	0.27558	4.33893078	0.011725504	1.022E-06	0.0369	0.2279727	0.078445	0.04777	0.04316994	4.698575
703	490536.72	3860185.12	0.23527	0.2867	0.42992	0.43206	0.27746	0.32046	0.2965	0.2867	4.34317667	0.012198643	1.031E-06	0.0402662	0.2301962	0.079761	0.048392	0.0449119	4.709081
704	490586.72	3860185.12	0.23631	0.30415	0.44713	0.47343	0.30571	0.32722	0.3072	0.30415	4.36237548	0.012941113	1.072E-06	0.0441217	0.2536339	0.081444	0.050142	0.04764547	4.757014
705	490636.72	3860185.12	0.23772	0.31246	0.45079	0.47923	0.34967	0.33246	0.3161	0.31246	4.38840463	0.013294691	1.081E-06	0.0446623	0.2901056	0.082748	0.051592	0.04894724	4.821861
706	490686.72	3860185.12	0.23997	0.32681	0.49803	0.48773	0.38113	0.34033	0.3208	0.32681	4.42994052	0.013905261	1.194E-06	0.0454544	0.3162065	0.084707	0.052356	0.05119518	4.891375
707	490736.72	3860185.12	0.24245	0.34259	0.48868	0.49238	0.40698	0.34514	0.3339	0.34259	4.47572229	0.014576676	1.172E-06	0.0458878	0.3376531	0.085904	0.054507	0.05366714	4.960585
708	490786.72	3860185.12	0.24556	0.36074	0.45473	0.50314	0.39087	0.35355	0.349	0.36074	4.53313412	0.015348931	1.091E-06	0.0468906	0.3242874	0.087997	0.056967	0.05651036	5.008116
709	490836.72	3860185.12	0.24872	0.37648	0.42279	0.51507	0.34913	0.36218	0.3687	0.37648	4.59146896	0.016018643	1.014E-06	0.0480024	0.2896576	0.090145	0.060176	0.05897605	5.036494
710	490086.72	3860235.12	0.28173	0.22501	0.29079	0.32012	0.52143	0.30203	0.2258	0.22501	5.20084653	0.009573828	6.974E-07	0.0298339	0.4326072	0.075174	0.036854	0.03524809	5.749642
711	490136.72	3860235.12	0.27763	0.22794	0.32824	0.31677	0.50002	0.29869	0.2297	0.22794	5.12515892	0.009698495	7.872E-07	0.0295217	0.4148443	0.074343	0.037492	0.03570708	5.655352
712	490186.72	3860235.12	0.2713	0.23196	0.31566	0.31409	0.47121	0.29722	0.2422	0.23196	5.00830463	0.00986954	7.571E-07	0.0292719	0.3909419	0.073977	0.039539	0.03633682	5.515568
713	490236.72	3860235.12	0.26463	0.23851	0.40603	0.33257	0.43596	0.2922	0.2461	0.23851	4.88517381	0.010148233	9.738E-07	0.0309941	0.3616965	0.072728	0.040169	0.03736288	5.363547
714	490286.72	3860235.12	0.2578	0.24228	0.41881	0.34496	0.44581	0.29759	0.2499	0.24228	4.75908933	0.01030864	1.004E-06	0.0321488	0.3698687	0.074069	0.040794	0.03795346	5.248326
715	490336.72	3860235.12	0.25084	0.24592	0.39441	0.34264	0.44841	0.30374	0.254	0.24592	4.63060499	0.010463517	9.459E-07	0.0319326	0.3720258	0.0756	0.041463	0.03852367	5.123567
716	490386.72	3860235.12	0.24368	0.24996	0.40665	0.34706	0.39594	0.30551	0.258	0.24996	4.49842858	0.010635412	9.753E-07	0.0323446	0.3284937	0.07604	0.04211	0.03915654	4.948897
717	490436.72	3860235.12	0.23652	0.2551	0.36147	0.35592	0.33593	0.30212	0.263	0.2551	4.36625216	0.010854112	8.669E-07	0.0331703	0.2787061	0.075197	0.042923	0.03996173	4.767141
718	490486.72	3860235.12	0.22993	0.26171	0.35878	0.35469	0.28756	0.30851	0.2744	0.26171	4.24459817	0.011135357	8.605E-07	0.0330556	0.2385757	0.076787	0.044796	0.04099719	4.607952
719	490536.72	3860235.12	0.22929	0.27159	0.3921	0.37054	0.26923	0.30972	0.2822	0.27159	4.23278352	0.011555736	9.404E-07	0.0345328	0.2233681	0.077088	0.046065	0.0425449	4.582849
720	490586.72	3860235.12	0.22924	0.28085	0.41078	0.41482	0.27175	0.31453	0.2883	0.28085	4.2318605	0.011949734	9.852E-07	0.0386595	0.2254588	0.078285	0.047064	0.04399549	4.589283
721	490636.72	3860235.12	0.22975	0.28799	0.41445	0.44049	0.29654	0.31924	0.3006	0.28799	4.2412753	0.01225353	9.94E-07	0.0410518	0.246026	0.079458	0.049068	0.04511398	4.62402
722	490686.72	3860235.12	0.23086	0.30673	0.42005	0.44459	0.33967	0.32409	0.3141	0.30673	4.26176634	0.013050888	1.007E-06	0.0414339	0.281809	0.080665	0.051262	0.04804963	4.681938
723	490736.72	3860235.12	0.23244	0.32091	0.46997	0.44799	0.36991	0.32838	0.3159	0.32091	4.29093376	0.013654226	1.127E-06	0.0417508	0.3068978	0.081733	0.051569	0.05027094	4.736268
724	490786.72	3860235.12	0.23449	0.33644	0.48779	0.45161	0.39478	0.33236	0.3225	0.33644	4.32877756	0.014315003	1.17E-06	0.0420882	0.3275313	0.082723	0.052636	0.05270374	4.795369
725	490086.72	3860285.12	0.27164	0.21934	0.28204	0.30935	0.52175	0.27699	0.2193	0.21934	5.01458117	0.009332579	6.764E-07	0.0288301	0.4328727	0.068942	0.035796	0.03435988	5.555995
726	490136.72	3860285.12	0.27258	0.22303	0.30197	0.30622	0.5074	0.27501	0.2249	0.22303	5.03193394	0.009489583	7.242E-07	0.0285384	0.4209671	0.068449	0.03671	0.03493792	5.561151
727	490186.72	3860285.12	0.2728	0.2261	0.28786	0.30311	0.48433	0.28001	0.2268	0.2261	5.03599522	0.009620206	6.904E-07	0.0282486	0.401827	0.069694	0.037015	0.03541884	5.546982
728	490236.72	3860285.12	0.26882	0.2283	0.33737	0.30578	0.45492	0.28652	0.2308	0.2283	4.96252286	0.009713813	8.091E-07	0.0284974	0.3774268	0.071314	0.03768	0.03576347	5.451392
729	490286.72	3860285.12	0.2621	0.23067	0.40269	0.32384	0.41928	0.28872	0.2342	0.23067	4.83846902	0.009814653	9.658E-07	0.0301805	0.3478579	0.071861	0.038228	0.03613474	5.300278
730	490336.72	3860285.12	0.25528	0.2352	0.38103	0.32275	0.43961	0.29345	0.2376	0.2352	4.71256914	0.010007397	9.138E-07	0.030079	0.3647248	0.073039	0.038781	0.03684437	5.192357
731	490386.72	3860285.12	0.24841	0.23868	0.37348	0.32228	0.4322	0.29583	0.2418	0.23868	4.58574624	0.010155466	8.957E-07	0.0300352	0.358577	0.073631	0.039472	0.03738951	5.060228
732	490436.72	3860285.12	0.24128	0.24324	0.35849	0.32596	0.37771	0.29573	0.2461	0.24324	4.45412363	0.010349487	8.598E-07	0.0303781	0.3133691	0.073606	0.040172	0.03810384	4.883896
733	490486.72	3860285.12	0.23424	0.25036	0.33792	0.32545	0.32182	0.29337	0.2531	0.25036	4.32416247	0.010652432	8.104E-07	0.0303306	0.2669997	0.073019	0.041312	0.0392192	4.707257
734	490536.72	3860285.12	0.22721	0.25613	0.34263	0.32677	0.27334	0.29525	0.2644	0.25613	4.1943859	0.010897936	8.217E-07	0.0304536	0.226778	0.073487	0.043163	0.04012308	4.539042
735	490586.72	3860285.12	0.22287	0.26152	0.36258	0.3563	0.25823	0.29165	0.2722	0.26152	4.1142678	0.011127273	8.696E-07	0.0332057	0.2142419	0.072591	0.044437	0.04096743	4.448904
736	490636.72	3860285.12	0.22253	0.26852	0.39124	0.396	0.2658	0.28875	0.2831	0.26852	4.10799126	0.011425112	9.383E-07	0.0369056	0.2205224	0.071869	0.046213	0.04206398	4.452863
737	490686.72	3860285.12	0.22279	0.27762	0.38658	0.39718	0.28781	0.2985	0.2947	0.27762	4.11279097	0.011812303	9.272E-07	0.0370155	0.2387831	0.074296	0.0481	0.04348951	4.479309

738	490736.72	3860285.12	0.2235	0.28795	0.39431	0.39696	0.32955	0.30471	0.3077	0.28795	4.12589785	0.012251828	9.457E-07	0.036995	0.2734129	0.075841	0.050219	0.04510772	4.529511
739	490786.72	3860285.12	0.2248	0.31461	0.4442	0.39966	0.35944	0.30814	0.3153	0.31461	4.14989636	0.01338617	1.065E-06	0.0372467	0.2982113	0.076695	0.051461	0.04928404	4.577614
740	490086.72	3860335.12	0.2712	0.20887	0.28009	0.29951	0.51644	0.2755	0.2072	0.20887	5.00645859	0.008887096	6.718E-07	0.0279131	0.4284672	0.068571	0.033821	0.03271974	5.541399
741	490136.72	3860335.12	0.26507	0.21242	0.28684	0.29629	0.49733	0.27173	0.211	0.21242	4.89329638	0.009038143	6.879E-07	0.027613	0.4126125	0.067633	0.034435	0.03327585	5.411352
742	490186.72	3860335.12	0.26278	0.21607	0.28257	0.29263	0.49296	0.27622	0.2294	0.21607	4.85102208	0.009193445	6.777E-07	0.0272719	0.4089869	0.06875	0.037445	0.03384763	5.368822
743	490236.72	3860335.12	0.26366	0.21995	0.28645	0.28981	0.46948	0.28292	0.2318	0.21995	4.86726723	0.009358533	6.87E-07	0.0270091	0.3895066	0.070418	0.037838	0.03445544	5.366943
744	490286.72	3860335.12	0.26381	0.22331	0.34687	0.28615	0.43867	0.28846	0.2313	0.22331	4.87003629	0.009501496	8.319E-07	0.026668	0.3639449	0.071797	0.03775	0.03498178	5.344716
745	490336.72	3860335.12	0.25967	0.22635	0.374	0.28643	0.40323	0.28782	0.2344	0.22635	4.79361026	0.009630843	8.97E-07	0.0266941	0.3345419	0.071637	0.038262	0.035458	5.23892
746	490386.72	3860335.12	0.25293	0.22934	0.34507	0.2912	0.43387	0.27869	0.2362	0.22934	4.66918721	0.009758063	8.276E-07	0.0271386	0.3599626	0.069365	0.038555	0.03592639	5.138041
747	490436.72	3860335.12	0.24603	0.23302	0.3499	0.29318	0.41417	0.2824	0.2374	0.23302	4.5418105	0.009914642	8.392E-07	0.0273232	0.3436184	0.070288	0.038747	0.03650287	4.9952
748	490486.72	3860335.12	0.23902	0.23734	0.33153	0.29151	0.35913	0.28386	0.2404	0.23734	4.41240315	0.010098451	7.951E-07	0.0271675	0.2979541	0.070652	0.039234	0.0371796	4.82033
749	490536.72	3860335.12	0.23219	0.24263	0.31769	0.2867	0.30863	0.28326	0.2483	0.24263	4.28631866	0.010323532	7.619E-07	0.0267193	0.2560565	0.070502	0.040528	0.03800828	4.652441
750	490586.72	3860335.12	0.22526	0.24798	0.3269	0.31346	0.25999	0.28046	0.2575	0.24798	4.15838814	0.010551167	7.84E-07	0.0292132	0.2157021	0.069806	0.042038	0.03884637	4.486852
751	490636.72	3860335.12	0.21842	0.25498	0.3468	0.3434	0.24751	0.28074	0.2675	0.25498	4.03211905	0.010849006	8.317E-07	0.0320035	0.205348	0.069875	0.043662	0.03994293	4.353915
752	490686.72	3860335.12	0.21553	0.26328	0.37342	0.34178	0.26037	0.2807	0.278	0.26328	3.97876851	0.011202158	8.956E-07	0.0318525	0.2160174	0.069865	0.045381	0.04124313	4.311844
753	490736.72	3860335.12	0.2155	0.27268	0.36265	0.33798	0.27945	0.28312	0.2895	0.27268	3.9782147	0.011602113	8.698E-07	0.0314983	0.2318472	0.070468	0.047248	0.04271565	4.328163
754	490786.72	3860335.12	0.21616	0.28435	0.37325	0.36332	0.32065	0.29542	0.3012	0.28435	3.99039856	0.012098654	8.952E-07	0.0338599	0.266029	0.073529	0.049164	0.04454377	4.380537
755	490086.72	3860385.12	0.2704	0.21093	0.26835	0.28546	0.5065	0.26164	0.1974	0.21093	4.99169028	0.008974746	6.436E-07	0.0266037	0.4202204	0.065121	0.032228	0.03304244	5.511797
756	490136.72	3860385.12	0.26607	0.21262	0.27253	0.27707	0.50657	0.26487	0.2021	0.21262	4.91175678	0.009046653	6.536E-07	0.0258218	0.4202785	0.065925	0.032993	0.03330718	5.432516
757	490186.72	3860385.12	0.2599	0.21377	0.2852	0.27901	0.47119	0.27137	0.2065	0.21377	4.79785615	0.009095584	6.84E-07	0.0260026	0.3909253	0.067543	0.033705	0.03348733	5.291641
758	490236.72	3860385.12	0.25429	0.21476	0.27916	0.27442	0.47878	0.27868	0.2154	0.21476	4.69429335	0.009137707	6.695E-07	0.0255748	0.3972224	0.069363	0.035151	0.03364242	5.1971
759	490286.72	3860385.12	0.25376	0.21682	0.28447	0.27674	0.45365	0.28352	0.2179	0.21682	4.68450934	0.009225357	6.823E-07	0.025791	0.3763732	0.070567	0.035563	0.03396512	5.168064
760	490336.72	3860385.12	0.25445	0.21885	0.32644	0.27571	0.42286	0.28783	0.2281	0.21885	4.69724701	0.00931173	7.829E-07	0.025695	0.3508281	0.07164	0.037234	0.03428312	5.157673
761	490386.72	3860385.12	0.25471	0.22094	0.33162	0.27257	0.39683	0.28857	0.2385	0.22094	4.70204671	0.009400656	7.953E-07	0.0254024	0.3292321	0.071824	0.038924	0.03461052	5.14222
762	490436.72	3860385.12	0.2506	0.22389	0.31144	0.27104	0.42796	0.27437	0.2414	0.22389	4.6261745	0.009526174	7.469E-07	0.0252598	0.3550593	0.06829	0.039398	0.03507264	5.088636
763	490486.72	3860385.12	0.24387	0.22768	0.32539	0.27679	0.39608	0.27063	0.2416	0.22768	4.50193605	0.009687433	7.804E-07	0.0257957	0.3286099	0.067359	0.039433	0.03566635	4.937155
764	490536.72	3860385.12	0.23705	0.23534	0.3098	0.27814	0.33615	0.27221	0.2432	0.23534	4.37603617	0.010013354	7.43E-07	0.0259215	0.2788886	0.067752	0.0397	0.0368663	4.761447
765	490586.72	3860385.12	0.23027	0.24166	0.29546	0.2751	0.294	0.27367	0.2444	0.24166	4.25087471	0.01028226	7.086E-07	0.0256382	0.2439187	0.068116	0.039896	0.03785633	4.60087
766	490636.72	3860385.12	0.22344	0.2466	0.31398	0.29725	0.24852	0.27478	0.2531	0.2466	4.12479022	0.01049245	7.53E-07	0.0277025	0.2061859	0.068392	0.041308	0.03863019	4.440242
767	490686.72	3860385.12	0.21667	0.25122	0.33158	0.29599	0.23996	0.2764	0.2627	0.25122	3.99981336	0.010689024	7.952E-07	0.027585	0.1990841	0.068795	0.042883	0.03935392	4.309497
768	490736.72	3860385.12	0.2096	0.25882	0.35607	0.29496	0.25505	0.27308	0.2731	0.25882	3.86929838	0.011012392	8.54E-07	0.0274891	0.2116036	0.067969	0.044583	0.04054447	4.191411
769	490786.72	3860385.12	0.20814	0.26803	0.34182	0.32133	0.27159	0.27839	0.2843	0.26803	3.84234621	0.011404263	8.198E-07	0.0299466	0.2253261	0.06929	0.046399	0.04198723	4.182726
770	490136.72	3860435.12	0.25186	0.21853	0.26072	0.26719	0.49776	0.24899	0.2237	0.21853	4.64943459	0.009298114	6.253E-07	0.024901	0.4129692	0.061973	0.036513	0.03423299	5.160856
771	490186.72	3860435.12	0.2524	0.21488	0.28002	0.26074	0.49514	0.25066	0.2147	0.21488	4.6594032	0.009142813	6.716E-07	0.0242999	0.4107956	0.062388	0.03505	0.03366121	5.167419
772	490236.72	3860435.12	0.25276	0.20961	0.28329	0.25611	0.47087	0.25334	0.2059	0.20961	4.66604895	0.008918582	6.794E-07	0.0238684	0.3906598	0.063055	0.033606	0.03283566	5.153322
773	490286.72	3860435.12	0.24954	0.21092	0.27582	0.25949	0.46437	0.25642	0.2195	0.21092	4.60660648	0.008974321	6.615E-07	0.0241834	0.3852671	0.063822	0.035821	0.03304087	5.091634
774	490336.72	3860435.12	0.24421	0.21222	0.28278	0.26922	0.43825	0.26401	0.2288	0.21222	4.50821259	0.009029634	6.782E-07	0.0250902	0.3635965	0.065711	0.03735	0.03324452	4.975746
775	490386.72	3860435.12	0.24492	0.21394	0.32875	0.26637	0.40744	0.27299	0.2261	0.21394	4.52131946	0.009102817	7.885E-07	0.0248246	0.3380348	0.067946	0.036911	0.03351396	4.964626
776	490436.72	3860435.12	0.24568	0.21748	0.30727	0.26327	0.39236	0.27996	0.2354	0.21748	4.53534936	0.009253439	7.369E-07	0.0245357	0.3255236	0.069681	0.038419	0.03406851	4.968695
777	490486.72	3860435.12	0.24613	0.22153	0.3003	0.26085	0.42217	0.27608	0.2368	0.22153	4.54365654	0.00942576	7.202E-07	0.0243101	0.3502556	0.068715	0.038657	0.03470294	5.000319
778	490536.72	3860435.12	0.24175	0.22259	0.30239	0.25644	0.37858	0.27021	0.2361	0.22259	4.46280002	0.009470861	7.252E-07	0.0238991	0.3140909	0.067254	0.038542	0.03486899	4.881189
779	490586.72	3860435.12	0.23502	0.23163	0.28658	0.26224	0.31433	0.27225	0.247	0.23163	4.33856157	0.009855499	6.873E-07	0.0244397	0.2607856	0.067762	0.040324	0.03628512	4.705444
780	490636.72	3860435.12	0.22829	0.23416	0.27863	0.26698	0.27979	0.27381	0.2505	0.23416	4.21432313	0.009963147	6.682E-07	0.0248814	0.2321293	0.06815	0.040895	0.03668145	4.553662
781	490686.72	3860435.12	0.22162	0.24862	0.29644	0.27053	0.24376	0.27492	0.252	0.24862	4.09119231	0.010578398	7.11E-07	0.0252123	0.2022368	0.068427	0.041135	0.03894663	4.399836
782	490736.72	3860435.12	0.2149	0.25445	0.31633	0.27435	0.23454	0.26645	0.2584	0.25445	3.96713847	0.010826455	7.587E-07	0.0255683	0.1945874	0.066319	0.042178	0.0398599	4.266758
783	490786.72	3860435.12	0.20786	0.26032	0.33963	0.28439	0.24999	0.26016	0.2689	0.26032	3.8371773	0.011076214	8.145E-07	0.026504	0.2074055	0.064753	0.043889	0.04077945	4.150026
784	490136.72	3860485.12	0.23236	0.20934	0.26319	0.25465	0.48591	0.23694	0.2289	0.20934	4.28945693	0.008907094	6.312E-07	0.0237323	0.4031378	0.058974	0.037366	0.03279337	4.788781
785	490186.72	3860485.12	0.23315	0.21263	0.25382	0.25612	0.48918	0.2407	0.2323	0.21263	4.30404064	0.009047079	6.087E-07	0.0238693	0.4058508	0.059909	0.03791	0.03330875	4.807319
786	490236.72	3860485.12	0.23414	0.21596	0.28841	0.25068	0.47535	0.24433	0.2349	0.21596	4.32231643	0.009188765	6.917E-07	0.0233623	0.3943767	0.060813	0.038347	0.0338304	4.814575
787	490286.72	3860485.12	0.23527	0.21997	0.28067	0.24828	0.46983	0.24835	0.2342	0.21997	4.34317667	0.009359384	6.731E-07	0.0231387	0.389797	0.061813	0.038235	0.03445857	4.831062
788	490336.72	3860485.12	0.23614	0.22381	0.27255	0.24986	0.45005	0.25187	0.2251	0.22381	4.35923721	0.00952277	6.537E-07	0.0232859	0.3733864	0.06269	0.036746	0.03506011	4.829808
789	490386.72	3860485.12	0.23683	0.21601	0.28043	0.24889	0.42393	0.25567	0.2304	0.21601	4.37197488	0.009190892	6.726E-07	0.0231955	0.3517158	0.063635	0.037611	0.03383823	4.823486
790	490436.72	3860485.12	0.23591	0.21217	0.30822	0.24807	0.39354	0.25964	0.2417	0.21217	4.35499132	0.009027506	7.392E-07	0.0231191	0.3265026	0.064624	0.039456	0.03323669	4.784484
791	490486.72	3860485.12	0.23704	0.21435	0.29427	0.25153	0.3885	0.26261	0.2406	0.21435	4.37585157	0.009120262	7.058E-07	0.0234416	0.3223211	0.065363	0.039276	0.03357819	4.801796
792	490536.72	3860485.12	0.23686	0.21778	0.29426	0.25052	0.41019	0.26519	0.2422	0.21778	4.3725287	0.009266203	7.057E-07	0.0233474	0.3403163	0.066005	0.039536	0.0341155	4.816884
793	490586.72	3860485.12	0.23635	0.22414	0.27992	0.25149	0.35738	0.26745	0.2424	0.22414	4.3631139	0.009536811	6.713E-07	0.0234378	0.2965022	0.066567	0.039562	0.0351118	4.763609
794	490636.72	3860485.12	0.2331	0.23106	0.26336	0.24712	0.29428	0.26947	0.2427	0.23106	4.30311762	0.009831247	6.316E-07	0.0230306	0.244151	0.06707	0.039619	0.03619583	4.650624

795	490686.72	3860485.12	0.22643	0.23394	0.26367	0.25169	0.26649	0.2681	0.243	0.23394	4.1799868	0.009953786	6.324E-07	0.0234565	0.2210949	0.066729	0.039661	0.03664699	4.504236
796	490736.72	3860485.12	0.21984	0.2424	0.28168	0.26402	0.23915	0.25682	0.2484	0.2424	4.05833281	0.010313746	6.756E-07	0.0246056	0.1984121	0.063922	0.040551	0.03797226	4.358165
797	490786.72	3860485.12	0.21308	0.24553	0.30091	0.26561	0.22904	0.25683	0.2628	0.24553	3.93354055	0.010446923	7.217E-07	0.0247538	0.1900243	0.063924	0.04289	0.03846257	4.227118
798	490136.72	3860535.12	0.23109	0.20111	0.23104	0.2434	0.46443	0.22884	0.216	0.20111	4.26601223	0.00855692	5.541E-07	0.0226839	0.3853168	0.056957	0.035254	0.03150413	4.743278
799	490186.72	3860535.12	0.22669	0.205	0.24028	0.25024	0.48025	0.23336	0.2214	0.205	4.1847865	0.008722434	5.763E-07	0.0233213	0.398442	0.058083	0.036139	0.0321135	4.677381
800	490236.72	3860535.12	0.22154	0.20757	0.2895	0.24799	0.4795	0.23643	0.2255	0.20757	4.08971547	0.008831783	6.943E-07	0.0231116	0.3978197	0.058847	0.03681	0.03251609	4.58262
801	490286.72	3860535.12	0.21927	0.21096	0.28519	0.24089	0.43964	0.24013	0.2297	0.21096	4.04781038	0.008976023	6.84E-07	0.02245	0.3647497	0.059768	0.037487	0.03304714	4.508194
802	490336.72	3860535.12	0.22138	0.21501	0.2775	0.24105	0.45761	0.24415	0.2337	0.21501	4.08676181	0.009148344	6.655E-07	0.0224649	0.3796586	0.060768	0.038138	0.03368158	4.563259
803	490386.72	3860535.12	0.22359	0.21964	0.2699	0.24377	0.43708	0.24842	0.2375	0.21964	4.12755928	0.009345343	6.473E-07	0.0227184	0.3626258	0.061831	0.03876	0.03440687	4.588434
804	490436.72	3860535.12	0.22569	0.22448	0.27867	0.24235	0.41073	0.25242	0.2408	0.22448	4.16632611	0.009551278	6.683E-07	0.022586	0.3407643	0.062826	0.039301	0.03516507	4.60619
805	490486.72	3860535.12	0.22753	0.22941	0.28652	0.24074	0.37981	0.25598	0.2396	0.22941	4.20029323	0.009761042	6.872E-07	0.022436	0.3151114	0.063713	0.03911	0.03593736	4.614487
806	490536.72	3860535.12	0.22708	0.22603	0.28486	0.24054	0.38682	0.26053	0.2466	0.22603	4.19198605	0.009617228	6.832E-07	0.0224173	0.3209273	0.064845	0.040246	0.03540787	4.614631
807	490586.72	3860535.12	0.2265	0.21721	0.27102	0.24163	0.39492	0.26113	0.2475	0.21721	4.18127902	0.00924195	6.5E-07	0.0225189	0.3276475	0.064994	0.040402	0.03402621	4.612059
808	490636.72	3860535.12	0.22676	0.22281	0.26044	0.23653	0.33512	0.26318	0.2533	0.22281	4.18607873	0.009480222	6.246E-07	0.0220436	0.2780341	0.065505	0.041347	0.03490346	4.567586
809	490686.72	3860535.12	0.22692	0.22979	0.24274	0.23556	0.2756	0.25573	0.2507	0.22979	4.18903239	0.00977721	5.822E-07	0.0219532	0.228653	0.06365	0.040923	0.03599688	4.517993
810	490736.72	3860535.12	0.22466	0.23761	0.24954	0.24429	0.25402	0.25724	0.2518	0.23761	4.1473119	0.010109939	5.985E-07	0.0227668	0.2107491	0.064026	0.041106	0.0372219	4.458848
811	490786.72	3860535.12	0.21812	0.24399	0.2675	0.25835	0.23474	0.25483	0.253	0.24399	4.02658093	0.010381398	6.416E-07	0.0240772	0.1947533	0.063426	0.04129	0.03822133	4.322289
812	490136.72	3860585.12	0.23247	0.19455	0.21447	0.24147	0.43478	0.22601	0.1983	0.19455	4.29148757	0.008277802	5.144E-07	0.022504	0.3607176	0.056253	0.032375	0.03047649	4.741139
813	490186.72	3860585.12	0.2273	0.19588	0.24555	0.23934	0.46019	0.22621	0.2032	0.19588	4.19604734	0.008334392	5.889E-07	0.0223055	0.3817991	0.056303	0.03317	0.03068484	4.667275
814	490236.72	3860585.12	0.22308	0.1997	0.24267	0.24355	0.46981	0.22983	0.2096	0.1997	4.11814448	0.008496927	5.82E-07	0.0226979	0.3897804	0.057204	0.034211	0.03128325	4.599252
815	490286.72	3860585.12	0.21872	0.20354	0.28542	0.23902	0.46944	0.23339	0.2157	0.20354	4.03765717	0.008660313	6.845E-07	0.0222757	0.3894734	0.05809	0.035215	0.03188479	4.519487
816	490336.72	3860585.12	0.21422	0.20728	0.28182	0.2344	0.42262	0.23669	0.2215	0.20728	3.9545854	0.008819444	6.759E-07	0.0218451	0.3506289	0.058911	0.03616	0.03247066	4.39848
817	490386.72	3860585.12	0.21353	0.21127	0.27413	0.23366	0.44493	0.24024	0.2271	0.21127	3.94184773	0.008989213	6.575E-07	0.0217761	0.3691386	0.059795	0.037068	0.0330957	4.405519
818	490436.72	3860585.12	0.21598	0.21678	0.26494	0.23184	0.42513	0.24596	0.2333	0.21678	3.98707569	0.009223655	6.354E-07	0.0216065	0.3527114	0.061219	0.038073	0.03395885	4.435951
819	490486.72	3860585.12	0.21841	0.22207	0.28308	0.2275	0.39967	0.2518	0.2388	0.22207	4.03193444	0.009448736	6.789E-07	0.0212021	0.3315884	0.062672	0.038982	0.03478754	4.461041
820	490536.72	3860585.12	0.22026	0.22659	0.28501	0.23455	0.36784	0.25556	0.2434	0.22659	4.06608617	0.009641055	6.836E-07	0.0218591	0.3051804	0.063608	0.039727	0.0354956	4.470606
821	490586.72	3860585.12	0.22143	0.22858	0.26268	0.2314	0.37943	0.25658	0.2466	0.22858	4.08768483	0.009725726	6.3E-07	0.0215655	0.3147961	0.063862	0.040254	0.03580734	4.502081
822	490636.72	3860585.12	0.21824	0.23289	0.24833	0.23301	0.37794	0.26155	0.2494	0.23289	4.02879618	0.00990911	5.956E-07	0.0217156	0.3135599	0.065099	0.040708	0.0364825	4.443305
823	490686.72	3860585.12	0.21917	0.2367	0.24213	0.23005	0.31405	0.26671	0.2506	0.2367	4.04596434	0.01007122	5.807E-07	0.0214397	0.2605533	0.066383	0.040899	0.03707934	4.408232
824	490736.72	3860585.12	0.2199	0.22898	0.22775	0.22982	0.25812	0.2614	0.2568	0.22898	4.05944043	0.009742746	5.462E-07	0.0214183	0.2141506	0.065062	0.04192	0.03587	4.375865
825	490786.72	3860585.12	0.22039	0.23621	0.24106	0.23719	0.24206	0.2514	0.259	0.23621	4.06848602	0.010050371	5.781E-07	0.0221051	0.2008264	0.062573	0.042276	0.03700258	4.369315
826	490136.72	3860635.12	0.23365	0.18969	0.19779	0.23925	0.40452	0.23197	0.1785	0.18969	4.31327083	0.008071017	4.744E-07	0.0222971	0.3356122	0.057737	0.029136	0.02971517	4.736409
827	490186.72	3860635.12	0.22904	0.19063	0.21145	0.23351	0.43512	0.23392	0.1838	0.19063	4.22816842	0.008111012	5.071E-07	0.0217622	0.3609996	0.058222	0.030008	0.02986242	4.677409
828	490236.72	3860635.12	0.22437	0.1912	0.2166	0.23783	0.45734	0.23591	0.1899	0.1912	4.14195839	0.008135265	5.195E-07	0.0221648	0.3794346	0.058717	0.030991	0.02995171	4.61145
829	490286.72	3860635.12	0.22008	0.19515	0.28319	0.2335	0.46174	0.23964	0.1966	0.19515	4.0627633	0.008303332	6.792E-07	0.0217612	0.3830851	0.059646	0.032084	0.03057049	4.537073
830	490336.72	3860635.12	0.2159	0.20028	0.28136	0.22695	0.45508	0.24419	0.2036	0.20028	3.98559886	0.008521605	6.748E-07	0.0211508	0.3775596	0.060778	0.033233	0.03137411	4.455469
831	490386.72	3860635.12	0.21169	0.20413	0.272	0.2222	0.42281	0.24893	0.2107	0.20413	3.9078806	0.008685417	6.523E-07	0.0207081	0.3507866	0.061958	0.034391	0.03197721	4.352433
832	490436.72	3860635.12	0.20745	0.20795	0.2568	0.22613	0.43244	0.25335	0.2176	0.20795	3.82960854	0.008847952	6.159E-07	0.0210744	0.3587762	0.063058	0.035525	0.03257562	4.284315
833	490486.72	3860635.12	0.20881	0.21222	0.26053	0.22259	0.41017	0.25616	0.2247	0.21222	3.85471467	0.009029634	6.248E-07	0.0207445	0.3402997	0.063757	0.036676	0.03324452	4.291978
834	490536.72	3860635.12	0.21104	0.21719	0.27355	0.21986	0.38383	0.25993	0.2318	0.21719	3.89588135	0.0092411	6.561E-07	0.02049	0.3184466	0.064696	0.037843	0.03402308	4.312575
835	490586.72	3860635.12	0.21287	0.22052	0.24531	0.22701	0.35207	0.26136	0.238	0.22052	3.92966387	0.009382786	5.883E-07	0.0211564	0.2920968	0.065052	0.038855	0.03454473	4.321662
836	490636.72	3860635.12	0.21481	0.22484	0.24613	0.22688	0.3758	0.26434	0.2425	0.22484	3.96547703	0.009566595	5.903E-07	0.0211443	0.3117845	0.065793	0.039586	0.03522146	4.378131
837	490686.72	3860635.12	0.21237	0.22863	0.23714	0.22546	0.35577	0.26696	0.25	0.22863	3.92043367	0.009727854	5.687E-07	0.0210119	0.2951665	0.066445	0.040801	0.03581517	4.317771
838	490736.72	3860635.12	0.21298	0.23148	0.2252	0.22465	0.29439	0.2689	0.2549	0.23148	3.93169451	0.009849117	5.401E-07	0.0209365	0.2442422	0.066928	0.041604	0.03626162	4.278993
839	490786.72	3860635.12	0.21414	0.23474	0.22005	0.22401	0.24319	0.26271	0.2597	0.23474	3.95310857	0.009987825	5.278E-07	0.0208768	0.2017639	0.065388	0.042392	0.03677231	4.256745
840	490136.72	3860685.12	0.23346	0.18449	0.17985	0.23908	0.37526	0.23844	0.1938	0.18449	4.30976336	0.007849765	4.313E-07	0.0222813	0.3113365	0.059347	0.031632	0.02890058	4.71331
841	490186.72	3860685.12	0.23053	0.18702	0.19198	0.22817	0.40828	0.24285	0.1842	0.18702	4.25567441	0.007957413	4.604E-07	0.0212645	0.3387317	0.060445	0.030063	0.02929691	4.68484
842	490236.72	3860685.12	0.22582	0.18806	0.20894	0.22519	0.43551	0.2424	0.1866	0.18806	4.16872596	0.008001663	5.011E-07	0.0209868	0.3613232	0.060333	0.030457	0.02945983	4.620368
843	490286.72	3860685.12	0.22096	0.18946	0.24265	0.21701	0.44996	0.24122	0.189	0.18946	4.07900845	0.008061231	5.82E-07	0.0202244	0.3733117	0.060039	0.03085	0.02967914	4.541816
844	490336.72	3860685.12	0.21723	0.18975	0.27936	0.2193	0.45396	0.2446	0.1872	0.18975	4.01015118	0.00807357	6.7E-07	0.0204379	0.3766303	0.06088	0.030553	0.02972457	4.477002
845	490386.72	3860685.12	0.21323	0.191	0.2778	0.22079	0.42237	0.24733	0.1898	0.191	3.93630961	0.008126755	6.663E-07	0.0205767	0.3504215	0.06156	0.030987	0.02992038	4.378062
846	490436.72	3860685.12	0.20902	0.19537	0.26088	0.21672	0.42206	0.24943	0.1974	0.19537	3.85859135	0.008312692	6.257E-07	0.0201974	0.3501643	0.062082	0.032213	0.03060495	4.300957
847	490486.72	3860685.12	0.20485	0.20295	0.24948	0.2178	0.41915	0.25166	0.205	0.20295	3.78161152	0.008635209	5.983E-07	0.0202981	0.34775	0.062637	0.033467	0.03179236	4.222607
848	490536.72	3860685.12	0.20263	0.20814	0.25651	0.21351	0.39642	0.25499	0.2131	0.20814	3.74062944	0.008856036	6.152E-07	0.0198982	0.328892	0.063466	0.034787	0.03260538	4.163924
849	490586.72	3860685.12	0.20461	0.21229	0.26293	0.21552	0.3693	0.25829	0.2212	0.21229	3.77718102	0.009032612	6.306E-07	0.0200856	0.3063917	0.064288	0.036106	0.03325549	4.17983
850	490636.72	3860685.12	0.20668	0.21675	0.2335	0.22169	0.34368	0.26198	0.2293	0.21675	3.81539403	0.009222378	5.6E-07	0.0206606	0.285136	0.065206	0.037422	0.03395415	4.199087
851	490686.72	3860685.12	0.20874	0.22125	0.22981	0.22283	0.37202	0.26579	0.2372	0.22125	3.85342244	0.009413846	5.512E-07	0.0207668	0.3086484	0.066154	0.03871	0.03465908	4.262457

852	490736.72	3860685.12	0.206	0.22456	0.2202	0.2202	0.33428	0.26832	0.2442	0.22456	3.80284097	0.009554682	5.281E-07	0.0205217	0.2773372	0.066784	0.039857	0.0351776	4.181719
853	490786.72	3860685.12	0.2079	0.22891	0.21307	0.21955	0.27761	0.27249	0.2517	0.22891	3.83791571	0.009739767	5.11E-07	0.0204612	0.2303206	0.067822	0.041088	0.03585903	4.171488
854	490136.72	3860735.12	0.23533	0.18486	0.16173	0.21975	0.3733	0.23253	0.2307	0.18486	4.3442843	0.007865508	3.879E-07	0.0204798	0.3097103	0.057876	0.037658	0.02895854	4.748916
855	490186.72	3860735.12	0.22847	0.18475	0.17226	0.21371	0.36738	0.23394	0.2293	0.18475	4.217646	0.007860828	4.131E-07	0.0199169	0.3047988	0.058227	0.03742	0.02894131	4.616929
856	490236.72	3860735.12	0.22494	0.18556	0.20926	0.21816	0.40084	0.23612	0.2266	0.18556	4.15248081	0.007895292	5.019E-07	0.0203316	0.3325591	0.058769	0.036979	0.0290682	4.579948
857	490286.72	3860735.12	0.22143	0.18705	0.19459	0.21644	0.42984	0.23885	0.223	0.18705	4.08768483	0.007958689	4.667E-07	0.0201713	0.3566191	0.059449	0.0364	0.02930161	4.538982
858	490336.72	3860735.12	0.21778	0.1884	0.27236	0.21106	0.44353	0.24163	0.2194	0.1884	4.0203044	0.008016129	6.532E-07	0.0196699	0.367977	0.060141	0.035811	0.02951309	4.482407
859	490386.72	3860735.12	0.21418	0.19126	0.27486	0.21321	0.44521	0.24525	0.2144	0.19126	3.95384698	0.008137818	6.592E-07	0.0198703	0.3693709	0.061042	0.035001	0.02996111	4.417309
860	490436.72	3860735.12	0.21082	0.19606	0.27523	0.21436	0.39312	0.25031	0.2068	0.19606	3.89182006	0.008342051	6.601E-07	0.0199775	0.3261541	0.062301	0.033759	0.03071304	4.311642
861	490486.72	3860735.12	0.20668	0.19855	0.25888	0.21218	0.42277	0.2525	0.2046	0.19855	3.81539403	0.008447996	6.209E-07	0.0197743	0.3507534	0.062846	0.033397	0.0311031	4.25951
862	490536.72	3860735.12	0.20236	0.20073	0.2457	0.20916	0.40665	0.2537	0.2022	0.20073	3.73564514	0.008540752	5.893E-07	0.0194928	0.3373793	0.063145	0.033	0.0314446	4.165759
863	490586.72	3860735.12	0.1985	0.19796	0.2368	0.20407	0.38304	0.2568	0.1988	0.19796	3.66438802	0.008422893	5.679E-07	0.0190185	0.3177912	0.063917	0.032448	0.03101068	4.074975
864	490636.72	3860735.12	0.19889	0.20516	0.25026	0.21172	0.35585	0.26036	0.2074	0.20516	3.67158757	0.008729242	6.002E-07	0.0197314	0.2952329	0.064803	0.033845	0.03213856	4.061791
865	490686.72	3860735.12	0.20097	0.21308	0.23038	0.21636	0.34035	0.26512	0.2169	0.21308	3.70998519	0.009066225	5.525E-07	0.0201639	0.2823732	0.065987	0.035399	0.03337924	4.089597
866	490736.72	3860735.12	0.20214	0.21778	0.22054	0.21591	0.36799	0.27086	0.2286	0.21778	3.73158385	0.009266203	5.289E-07	0.0201219	0.3053049	0.067416	0.037319	0.0341155	4.136897
867	490136.72	3860785.12	0.23034	0.19179	0.14542	0.21988	0.36082	0.22882	0.2126	0.19179	4.25216693	0.008160369	3.488E-07	0.0204919	0.2993562	0.056953	0.034694	0.03004414	4.641778
868	490186.72	3860785.12	0.22868	0.19235	0.15574	0.21343	0.37118	0.23146	0.2241	0.19235	4.22152268	0.008184196	3.735E-07	0.0198908	0.3079515	0.05761	0.036583	0.03013186	4.62161
869	490236.72	3860785.12	0.22394	0.19291	0.16622	0.20828	0.36864	0.23415	0.2356	0.19291	4.13402042	0.008208023	3.987E-07	0.0194108	0.3058441	0.058279	0.038455	0.03021959	4.533998
870	490286.72	3860785.12	0.22076	0.19375	0.1768	0.2157	0.40039	0.23721	0.2378	0.19375	4.07531637	0.008243764	4.24E-07	0.0201023	0.3321857	0.059041	0.038817	0.03035117	4.503356
871	490336.72	3860785.12	0.21747	0.19414	0.23987	0.21008	0.42695	0.24033	0.2388	0.19414	4.01458168	0.008260358	5.753E-07	0.0195786	0.3542214	0.059817	0.038981	0.03041227	4.465028
872	490386.72	3860785.12	0.21439	0.1965	0.26804	0.20517	0.43679	0.24496	0.2398	0.1965	3.95772366	0.008360772	6.429E-07	0.019121	0.3623852	0.06097	0.039144	0.03078196	4.416923
873	490436.72	3860785.12	0.21089	0.19754	0.27002	0.20632	0.43568	0.24842	0.2389	0.19754	3.89311229	0.008405022	6.476E-07	0.0192282	0.3614642	0.061831	0.038995	0.03094488	4.352092
874	490486.72	3860785.12	0.20757	0.19972	0.26989	0.20634	0.38097	0.2532	0.2382	0.19972	3.83182378	0.008497778	6.473E-07	0.01923	0.3160738	0.063021	0.038883	0.03128638	4.246243
875	490536.72	3860785.12	0.20371	0.20047	0.25511	0.20432	0.41495	0.25584	0.2355	0.20047	3.76056667	0.008529689	6.118E-07	0.0190418	0.3442655	0.063678	0.038447	0.03140387	4.203125
876	490586.72	3860785.12	0.19963	0.20085	0.24167	0.1995	0.39396	0.25726	0.2317	0.20085	3.68524826	0.008545858	5.796E-07	0.0185926	0.326851	0.064031	0.037827	0.0314634	4.109633
877	490636.72	3860785.12	0.19595	0.20298	0.22995	0.1998	0.37001	0.26071	0.2294	0.20298	3.61731402	0.008636486	5.515E-07	0.0186205	0.3069808	0.06489	0.037448	0.03179706	4.022093
878	490686.72	3860785.12	0.19373	0.2057	0.23743	0.20821	0.34327	0.26521	0.2271	0.2057	3.57633194	0.008752218	5.694E-07	0.0194043	0.2847958	0.06601	0.037068	0.03222316	3.960139
879	490736.72	3860785.12	0.19568	0.20976	0.22788	0.21023	0.33698	0.27024	0.2219	0.20976	3.61232971	0.008924964	5.465E-07	0.0195926	0.2795773	0.067262	0.036222	0.03285916	3.99105
880	490086.72	3860835.12	0.2299	0.16563	0.13956	0.22654	0.35613	0.22879	0.1688	0.16563	4.24404436	0.007047301	3.347E-07	0.0211126	0.2954652	0.056945	0.027551	0.02594614	4.62622
881	490136.72	3860835.12	0.22724	0.16794	0.1313	0.21938	0.38429	0.22867	0.1779	0.16794	4.19493972	0.007145588	3.149E-07	0.0204453	0.3188283	0.056915	0.029045	0.02630801	4.601011
882	490186.72	3860835.12	0.22435	0.17741	0.14062	0.21304	0.34578	0.23114	0.1891	0.17741	4.14158918	0.007548522	3.373E-07	0.0198544	0.2868782	0.05753	0.030865	0.02779149	4.516474
883	490236.72	3860835.12	0.22155	0.18844	0.15048	0.20701	0.34081	0.23402	0.2008	0.18844	4.08990008	0.008017831	3.609E-07	0.0192925	0.2827548	0.058247	0.032771	0.02951936	4.461464
884	490286.72	3860835.12	0.21336	0.19978	0.19299	0.20684	0.37031	0.23759	0.2056	0.19978	3.93870946	0.008500331	4.629E-07	0.0192766	0.3072297	0.059135	0.033563	0.03129578	4.335119
885	490336.72	3860835.12	0.21158	0.2058	0.19464	0.20926	0.39973	0.24072	0.2144	0.2058	3.90584996	0.008756473	4.668E-07	0.0195022	0.3316381	0.059914	0.035001	0.03223882	4.328424
886	490386.72	3860835.12	0.20959	0.20629	0.25748	0.20352	0.42336	0.24421	0.2267	0.20629	3.86911378	0.008777321	6.175E-07	0.0189672	0.3512429	0.060783	0.037006	0.03231558	4.313575
887	490436.72	3860835.12	0.20748	0.20741	0.26274	0.19823	0.42851	0.24858	0.2348	0.20741	3.83016235	0.008824976	6.301E-07	0.0184742	0.3555156	0.061871	0.038321	0.03249103	4.280679
888	490486.72	3860835.12	0.20501	0.20824	0.26507	0.19879	0.40416	0.252	0.2341	0.20824	3.78456518	0.008860291	6.357E-07	0.0185264	0.3353135	0.062722	0.038218	0.03262105	4.215585
889	490536.72	3860835.12	0.20217	0.20896	0.26412	0.19798	0.37991	0.25208	0.2325	0.20896	3.73213766	0.008890926	6.334E-07	0.0184509	0.3151944	0.062742	0.037942	0.03273384	4.142625
890	490586.72	3860835.12	0.19898	0.20955	0.25085	0.19524	0.40231	0.25346	0.2298	0.20955	3.67324901	0.008916029	6.016E-07	0.0181956	0.3337786	0.063085	0.037508	0.03282626	4.101907
891	490636.72	3860835.12	0.19572	0.21084	0.23494	0.1928	0.38195	0.25441	0.2271	0.21084	3.61306813	0.008970917	5.635E-07	0.0179682	0.3168869	0.063322	0.037064	0.03302834	4.024252
892	490686.72	3860835.12	0.19263	0.21239	0.22673	0.19688	0.35823	0.25585	0.2254	0.21239	3.55602551	0.009036867	5.438E-07	0.0183484	0.2972074	0.06368	0.036784	0.03327115	3.947811
893	490736.72	3860835.12	0.18969	0.21399	0.22535	0.20275	0.33194	0.25759	0.2247	0.21399	3.50175196	0.009104944	5.405E-07	0.0188955	0.2753958	0.064113	0.036682	0.03352179	3.872423
894	490086.72	3860885.12	0.22384	0.15218	0.13238	0.20867	0.31847	0.22595	0.1434	0.15218	4.13217438	0.006475024	3.175E-07	0.0194472	0.2642203	0.056238	0.023409	0.02383918	4.478125
895	490136.72	3860885.12	0.22165	0.16025	0.13774	0.20575	0.36396	0.22813	0.1457	0.16025	4.09174612	0.00681839	3.303E-07	0.019175	0.3019614	0.056781	0.023776	0.02510336	4.475155
896	490186.72	3860885.12	0.21943	0.16374	0.12696	0.20763	0.35939	0.23041	0.1518	0.16374	4.05076405	0.006966884	3.045E-07	0.0193503	0.2981698	0.057348	0.024781	0.02565007	4.431731
897	490236.72	3860885.12	0.21726	0.16694	0.13609	0.20642	0.34762	0.23046	0.1608	0.16694	4.01070499	0.00710304	3.264E-07	0.0192375	0.2884048	0.057361	0.026242	0.02615135	4.382902
898	490286.72	3860885.12	0.21506	0.16975	0.16745	0.2006	0.3395	0.2322	0.1705	0.16975	3.97009213	0.007222601	4.016E-07	0.0186951	0.281668	0.057794	0.027837	0.02659154	4.336717
899	490336.72	3860885.12	0.2052	0.17213	0.15564	0.20477	0.37102	0.23389	0.1815	0.17213	3.78807265	0.007323866	3.733E-07	0.0190837	0.3078187	0.058214	0.029623	0.02696437	4.183172
900	490386.72	3860885.12	0.20358	0.17735	0.23559	0.20286	0.39924	0.23596	0.1925	0.17735	3.75816682	0.007545969	5.65E-07	0.0189057	0.3312316	0.05873	0.031423	0.02778209	4.178221
901	490436.72	3860885.12	0.20181	0.18862	0.25342	0.19752	0.41833	0.23788	0.2043	0.18862	3.72549192	0.00802549	6.078E-07	0.018408	0.3470697	0.059208	0.033343	0.02954755	4.161998
902	490486.72	3860885.12	0.19962	0.20054	0.2581	0.19251	0.42105	0.23883	0.2174	0.20054	3.68506366	0.008532668	6.19E-07	0.0179411	0.3493264	0.059444	0.035491	0.03141484	4.124384
903	490536.72	3860885.12	0.19701	0.21303	0.25993	0.19163	0.37442	0.2389	0.225	0.21303	3.63688203	0.009064098	6.234E-07	0.0178591	0.3106396	0.059461	0.036725	0.03337141	4.03726
904	490586.72	3860885.12	0.19405	0.22516	0.25877	0.19187	0.37931	0.23843	0.2275	0.22516	3.58223927	0.009580211	6.206E-07	0.0178815	0.3146966	0.059344	0.03713	0.03527159	3.985601
905	490636.72	3860885.12	0.19084	0.22575	0.24722	0.18787	0.39065	0.24153	0.2256	0.22575	3.52298141	0.009605314	5.929E-07	0.0175087	0.3241049	0.060116	0.036818	0.03536401	3.935771
906	490686.72	3860885.12	0.18758	0.22642	0.22782	0.1898	0.3703	0.24525	0.2263	0.22642	3.46280053	0.009633822	5.464E-07	0.0176886	0.3072214	0.061042	0.036942	0.03546897	3.85986
907	490736.72	3860885.12	0.18428	0.22742	0.22134	0.19396	0.34638	0.24952	0.2277	0.22742	3.40188123	0.00967637	5.308E-07	0.0180763	0.287376	0.062105	0.037174	0.03562562	3.780663
908	490086.72	3860935.12	0.21351	0.14712	0.12529	0.2071	0.28608	0.21929	0.1325	0.14712	3.94147852	0.006259729	3.005E-07	0.0193009	0.2373478	0.054581	0.021629	0.02304653	4.257551

909	490136.72	3860935.12	0.21123	0.14956	0.13793	0.20038	0.32547	0.21858	0.1334	0.14956	3.89938882	0.006363547	3.308E-07	0.0186746	0.2700279	0.054404	0.021776	0.02342876	4.247207
910	490186.72	3860935.12	0.20938	0.15197	0.13392	0.19527	0.36986	0.22198	0.14	0.15197	3.8652371	0.006466089	3.212E-07	0.0181984	0.3068563	0.05525	0.022854	0.02380629	4.251056
911	490236.72	3860935.12	0.2077	0.15416	0.12287	0.19137	0.33558	0.22228	0.1467	0.15416	3.83422364	0.00655927	2.947E-07	0.0178349	0.2784157	0.055325	0.023946	0.02414935	4.192155
912	490286.72	3860935.12	0.20874	0.15621	0.13442	0.19692	0.34301	0.22702	0.1493	0.15621	3.85342244	0.006646495	3.224E-07	0.0183521	0.2845801	0.056505	0.024362	0.02447049	4.219397
913	490336.72	3860935.12	0.20761	0.16426	0.1613	0.19686	0.34175	0.22863	0.1516	0.16426	3.8325622	0.00698901	3.869E-07	0.0183465	0.2835347	0.056905	0.024744	0.02573153	4.19735
914	490386.72	3860935.12	0.20331	0.17011	0.19381	0.20222	0.37248	0.23122	0.1544	0.17011	3.75318251	0.007237918	4.648E-07	0.0188461	0.30903	0.05755	0.025201	0.02664794	4.1444
915	490436.72	3860935.12	0.20175	0.17251	0.24217	0.19691	0.39903	0.23407	0.1622	0.17251	3.7243843	0.007340034	5.808E-07	0.0183512	0.3310574	0.058259	0.026477	0.0270239	4.138846
916	490486.72	3860935.12	0.19975	0.17441	0.24882	0.19176	0.41223	0.23678	0.1727	0.17441	3.68746351	0.007420876	5.968E-07	0.0178712	0.3420088	0.058934	0.02819	0.02732154	4.114567
917	490536.72	3860935.12	0.1975	0.17884	0.25329	0.18694	0.41326	0.2399	0.184	0.17884	3.64592763	0.007609366	6.075E-07	0.017422	0.3428634	0.05971	0.030031	0.0280155	4.075549
918	490586.72	3860935.12	0.19483	0.18141	0.25482	0.18571	0.34676	0.2429	0.197	0.18141	3.59663838	0.007718716	6.111E-07	0.0173074	0.2876913	0.060457	0.032156	0.0284181	3.973551
919	490636.72	3860935.12	0.1919	0.18911	0.25367	0.18548	0.37887	0.24613	0.2111	0.18911	3.54254943	0.008046339	6.084E-07	0.017286	0.3143315	0.061261	0.034461	0.02962431	3.948311
920	490686.72	3860935.12	0.18885	0.20172	0.22284	0.18358	0.37967	0.24991	0.2211	0.20172	3.48624523	0.008582875	5.344E-07	0.0171089	0.3149952	0.062202	0.036088	0.03159968	3.893623
921	490736.72	3860935.12	0.18564	0.2149	0.20485	0.18538	0.35895	0.25204	0.219	0.2149	3.42698736	0.009143664	4.913E-07	0.0172766	0.2978048	0.062732	0.03575	0.03366435	3.816031
922	490786.72	3860935.12	0.18233	0.22858	0.21484	0.19046	0.33485	0.2521	0.2318	0.22858	3.36588346	0.009725726	5.153E-07	0.0177501	0.2778101	0.062747	0.037836	0.03580734	3.735946
923	490836.72	3860935.12	0.18055	0.24251	0.20217	0.19599	0.3088	0.25274	0.2458	0.24251	3.33302396	0.010318426	4.849E-07	0.0182655	0.2561976	0.062906	0.040126	0.03798949	3.682849
924	490086.72	3860985.12	0.20783	0.14233	0.1186	0.20675	0.27609	0.2207	0.1295	0.14233	3.83662349	0.006055922	2.844E-07	0.0192682	0.2290595	0.054931	0.02114	0.02229617	4.144783
925	490136.72	3860985.12	0.20635	0.1451	0.12947	0.19944	0.29033	0.21571	0.1306	0.1451	3.8093021	0.006173781	3.105E-07	0.018587	0.2408738	0.053689	0.021324	0.02273009	4.127221
926	490186.72	3860985.12	0.20507	0.14773	0.14377	0.19366	0.33407	0.21006	0.1322	0.14773	3.7856728	0.006285684	3.448E-07	0.0180483	0.277163	0.052283	0.021571	0.02314208	4.137882
927	490236.72	3860985.12	0.20364	0.14993	0.13076	0.18842	0.35747	0.20734	0.1332	0.14993	3.75927444	0.00637929	3.136E-07	0.01756	0.2965769	0.051606	0.021734	0.02348672	4.129644
928	490286.72	3860985.12	0.20235	0.15203	0.11903	0.18407	0.32375	0.21311	0.1343	0.15203	3.73546053	0.006468642	2.855E-07	0.0171546	0.2686009	0.053042	0.021928	0.02381568	4.07884
929	490336.72	3860985.12	0.20111	0.154	0.16794	0.19032	0.31547	0.21602	0.1355	0.154	3.71256965	0.006552462	4.028E-07	0.017737	0.2617314	0.053767	0.022124	0.02412429	4.050357
930	490386.72	3860985.12	0.1999	0.15589	0.15706	0.19574	0.34418	0.21729	0.1425	0.15589	3.69023257	0.006632879	3.767E-07	0.0182422	0.2855508	0.054083	0.023262	0.02442036	4.053583
931	490436.72	3860985.12	0.19508	0.15782	0.2295	0.19608	0.37367	0.22494	0.15	0.15782	3.60125348	0.006714998	5.504E-07	0.0182738	0.3100173	0.055987	0.024478	0.0247227	3.992002
932	490486.72	3860985.12	0.19702	0.15942	0.23785	0.19082	0.39776	0.23246	0.1558	0.15942	3.63706664	0.006783075	5.704E-07	0.0177836	0.3300037	0.057859	0.025438	0.02497334	4.04996
933	490536.72	3860985.12	0.19561	0.16734	0.24408	0.18588	0.40574	0.23992	0.1584	0.16734	3.61103748	0.007120059	5.854E-07	0.0173232	0.3366244	0.059715	0.02586	0.02621401	4.031467
934	490586.72	3860985.12	0.19376	0.17422	0.24808	0.18142	0.38692	0.23954	0.1611	0.17422	3.57688576	0.007412792	5.95E-07	0.0169076	0.3210102	0.059621	0.026291	0.02729178	3.980837
935	490636.72	3860985.12	0.19182	0.17598	0.24992	0.18111	0.34133	0.23918	0.1664	0.17598	3.54107259	0.007487678	5.994E-07	0.0168787	0.2831863	0.059531	0.027168	0.02756748	3.907757
936	490686.72	3860985.12	0.18959	0.17745	0.24888	0.17974	0.37862	0.23786	0.1782	0.17745	3.49990592	0.007550224	5.969E-07	0.016751	0.3141241	0.059203	0.029092	0.02779776	3.898829
937	490736.72	3860985.12	0.18696	0.18438	0.21493	0.18039	0.36872	0.23614	0.1913	0.18438	3.45135508	0.007845085	5.155E-07	0.0168116	0.3059105	0.058774	0.031227	0.02888335	3.843041
938	490786.72	3860985.12	0.1838	0.18733	0.21251	0.18421	0.34785	0.2345	0.2047	0.18733	3.39302024	0.007970603	5.097E-07	0.0171676	0.2885956	0.058366	0.033419	0.02934547	3.769195
939	490836.72	3860985.12	0.18058	0.19074	0.20825	0.18799	0.32414	0.23296	0.2139	0.19074	3.33357778	0.008115693	4.995E-07	0.0175199	0.2689245	0.057983	0.03492	0.02987965	3.691161
940	490086.72	3861035.12	0.20048	0.13734	0.11208	0.20642	0.27534	0.22097	0.134	0.13734	3.7009396	0.005843605	2.688E-07	0.0192375	0.2284373	0.054999	0.021873	0.02151448	4.009815
941	490136.72	3861035.12	0.19903	0.14075	0.12151	0.19914	0.28452	0.21706	0.136	0.14075	3.67417203	0.005988695	2.914E-07	0.018559	0.2360535	0.054025	0.022196	0.02204866	3.988946
942	490186.72	3861035.12	0.19767	0.14314	0.13617	0.19247	0.29849	0.21222	0.138	0.14314	3.64906589	0.006090386	3.266E-07	0.0179374	0.2476438	0.052821	0.022517	0.02242306	3.973653
943	490236.72	3861035.12	0.19648	0.1457	0.14017	0.18673	0.34096	0.2067	0.1401	0.1457	3.62709803	0.00619931	3.362E-07	0.0174025	0.2828793	0.051447	0.02287	0.02282408	3.985072
944	490286.72	3861035.12	0.19523	0.14789	0.12759	0.18191	0.33493	0.20059	0.1414	0.14789	3.60402253	0.006292491	3.06E-07	0.0169533	0.2778765	0.049926	0.023082	0.02316715	3.954986
945	490336.72	3861035.12	0.19411	0.14994	0.1368	0.1818	0.32569	0.20497	0.142	0.14994	3.58334689	0.006379716	3.281E-07	0.016943	0.2702105	0.051016	0.02317	0.02348828	3.927579
946	490386.72	3861035.12	0.19326	0.15204	0.13568	0.18798	0.31587	0.21149	0.143	0.15204	3.56765556	0.006469067	3.254E-07	0.017519	0.2620632	0.052639	0.023338	0.02381725	3.905867
947	490436.72	3861035.12	0.19194	0.15401	0.19194	0.19502	0.34697	0.21134	0.1442	0.15401	3.54328784	0.006552888	4.603E-07	0.0181751	0.2878655	0.052602	0.023531	0.02412585	3.907889
948	490486.72	3861035.12	0.18112	0.15568	0.22555	0.18988	0.37393	0.20436	0.1449	0.15568	3.34354639	0.006623944	5.409E-07	0.017696	0.310233	0.050865	0.023644	0.02438746	3.728221
949	490536.72	3861035.12	0.18243	0.15716	0.23351	0.18521	0.39583	0.212	0.145	0.15716	3.3677295	0.006686916	5.6E-07	0.0172608	0.3284025	0.052766	0.023671	0.02461931	3.771898
950	490586.72	3861035.12	0.1843	0.15851	0.23949	0.18142	0.39927	0.21978	0.1454	0.15851	3.40225044	0.006744356	5.744E-07	0.0169076	0.3312565	0.054702	0.023737	0.02483078	3.810768
951	490636.72	3861035.12	0.18627	0.15977	0.24326	0.17714	0.35964	0.22211	0.1544	0.15977	3.43861741	0.006797967	5.834E-07	0.0165087	0.2983773	0.055282	0.025196	0.02502817	3.815752
952	490686.72	3861035.12	0.18551	0.16258	0.24472	0.17641	0.34181	0.21948	0.1625	0.16258	3.42458751	0.006917528	5.869E-07	0.0164407	0.2835845	0.054628	0.026525	0.02546835	3.787215
953	490736.72	3861035.12	0.18367	0.17356	0.21712	0.17494	0.37562	0.21659	0.1654	0.17356	3.39062039	0.00738471	5.207E-07	0.0163037	0.3116351	0.053909	0.026996	0.02718839	3.779661
954	490786.72	3861035.12	0.18178	0.17757	0.20599	0.178	0.35835	0.21379	0.1688	0.17757	3.35573025	0.00755533	4.94E-07	0.0165889	0.297307	0.053212	0.027558	0.02781656	3.730135
955	490836.72	3861035.12	0.17978	0.17908	0.21215	0.18145	0.33742	0.21094	0.1725	0.17908	3.31880946	0.007619578	5.088E-07	0.0169104	0.2799423	0.052502	0.028152	0.0280531	3.675883
956	490086.72	3861085.12	0.19412	0.13221	0.11566	0.20618	0.29312	0.21603	0.1312	0.13221	3.5835315	0.005625332	2.774E-07	0.0192151	0.2431886	0.053769	0.02142	0.02071086	3.90604
957	490136.72	3861085.12	0.19271	0.1356	0.11418	0.1989	0.25398	0.21713	0.1333	0.1356	3.55750234	0.005769571	2.738E-07	0.0185367	0.2107159	0.054043	0.021758	0.02124191	3.847084
958	490186.72	3861085.12	0.19147	0.13987	0.12692	0.19221	0.27621	0.21397	0.1355	0.13987	3.53461146	0.005951253	3.044E-07	0.0179132	0.2291591	0.053256	0.022114	0.02191081	3.841095
959	490236.72	3861085.12	0.19005	0.14405	0.14564	0.18613	0.30696	0.2091	0.1372	0.14405	3.5083977	0.006129105	3.493E-07	0.0173465	0.254671	0.052044	0.022401	0.02256561	3.838425
960	490286.72	3861085.12	0.18879	0.14804	0.13693	0.18051	0.34771	0.20356	0.1391	0.14804	3.4851376	0.006298874	3.284E-07	0.0168228	0.2884795	0.050665	0.02271	0.02319065	3.846924
961	490336.72	3861085.12	0.18763	0.15176	0.12475	0.17606	0.31355	0.19745	0.1412	0.15176	3.46372355	0.006457154	2.992E-07	0.0164081	0.2601384	0.049145	0.023041	0.02377339	3.79514
962	490386.72	3861085.12	0.18678	0.15523	0.15318	0.18188	0.31867	0.19852	0.1435	0.15523	3.44803221	0.006604797	3.674E-07	0.0169505	0.2643863	0.049411	0.02343	0.02431697	3.784498
963	490436.72	3861085.12	0.18589	0.15633	0.15732	0.18682	0.31913	0.20387	0.1459	0.15633	3.43160246	0.0066516	3.773E-07	0.0174109	0.2647679	0.050743	0.023817	0.02448928	3.770503
964	490486.72	3861085.12	0.18451	0.15747	0.21193	0.19003	0.34807	0.2102	0.1484	0.15747	3.40612712	0.006700106	5.083E-07	0.01771	0.2887781	0.052318	0.024217	0.02466787	3.771183
965	490536.72	3861085.12	0.17711	0.15897	0.22164	0.18525	0.37382	0.20636	0.1511	0.15897	3.26952021	0.006763928	5.316E-07	0.0172645	0.3101418	0.051362	0.024662	0.02490284	3.654813

966	490586.72	3861085.12	0.17542	0.15954	0.22917	0.18085	0.3907	0.20176	0.1536	0.15954	3.23832215	0.006788181	5.496E-07	0.0168545	0.3241463	0.050217	0.025064	0.02499214	3.636401
967	490636.72	3861085.12	0.17343	0.15951	0.23456	0.17299	0.3921	0.20129	0.1559	0.15951	3.20158597	0.006786904	5.626E-07	0.016122	0.3253079	0.0501	0.025447	0.02498744	3.600364
968	490686.72	3861085.12	0.17383	0.15998	0.23818	0.17276	0.33368	0.20059	0.1585	0.15998	3.20897012	0.006806902	5.712E-07	0.0161005	0.2768394	0.049926	0.02587	0.02506106	3.559453
969	490736.72	3861085.12	0.17573	0.16157	0.23984	0.17314	0.34241	0.1995	0.1604	0.16157	3.24404487	0.006874554	5.752E-07	0.0161359	0.2840823	0.049655	0.026188	0.02531014	3.601671
970	490786.72	3861085.12	0.17766	0.16466	0.1956	0.17217	0.36594	0.19777	0.1614	0.16466	3.27967343	0.007006029	4.691E-07	0.0160455	0.3036041	0.049224	0.026347	0.02579419	3.656106
971	490836.72	3861085.12	0.17604	0.16791	0.18754	0.17486	0.34816	0.19531	0.1628	0.16791	3.24976759	0.007144312	4.498E-07	0.0162962	0.2888528	0.048612	0.026572	0.02630331	3.610942
972	490086.72	3861135.12	0.20255	0.12692	0.11357	0.20582	0.30503	0.20627	0.1215	0.12692	3.73915261	0.00540025	2.724E-07	0.0191816	0.2530698	0.05134	0.019837	0.01988217	4.068099
973	490136.72	3861135.12	0.18709	0.13026	0.10713	0.19863	0.27143	0.20597	0.1228	0.13026	3.45375493	0.005542362	2.569E-07	0.0185115	0.2251934	0.051265	0.020038	0.02040539	3.7539
974	490186.72	3861135.12	0.18572	0.13346	0.11801	0.192	0.25773	0.20547	0.1242	0.13346	3.4284642	0.005678517	2.83E-07	0.0178936	0.2138271	0.051141	0.02027	0.02090667	3.716368
975	490236.72	3861135.12	0.18441	0.13686	0.13416	0.18585	0.27415	0.20436	0.1294	0.13686	3.40428108	0.005823182	3.218E-07	0.0173205	0.22745	0.050865	0.021119	0.02143929	3.705419
976	490286.72	3861135.12	0.18314	0.13956	0.1449	0.18027	0.31449	0.20256	0.1361	0.13956	3.38083638	0.005938063	3.475E-07	0.0168004	0.2609183	0.050416	0.022214	0.02186224	3.715262
977	490336.72	3861135.12	0.18192	0.14197	0.13391	0.17505	0.33515	0.20022	0.1386	0.14197	3.3583147	0.006040605	3.212E-07	0.0163139	0.278059	0.049834	0.022615	0.02223977	3.708938
978	490386.72	3861135.12	0.18091	0.14824	0.13916	0.17537	0.3052	0.19486	0.1408	0.14824	3.33966971	0.006307383	3.338E-07	0.0163438	0.2532108	0.0485	0.022976	0.02322198	3.663786
979	490436.72	3861135.12	0.17995	0.15385	0.1276	0.178	0.29401	0.19257	0.143	0.15385	3.32194773	0.00654608	3.06E-07	0.0165889	0.243927	0.04793	0.023342	0.02410079	3.636181
980	490486.72	3861135.12	0.17911	0.15729	0.18873	0.18582	0.32175	0.19279	0.1454	0.15729	3.306441	0.006692447	4.526E-07	0.0173177	0.2669416	0.047985	0.023738	0.02463967	3.644477
981	490536.72	3861135.12	0.17827	0.16047	0.20839	0.18007	0.34926	0.19252	0.1479	0.16047	3.29093427	0.006827751	4.998E-07	0.0167818	0.2897654	0.047918	0.024142	0.02513782	3.651231
982	490586.72	3861135.12	0.1738	0.16325	0.21729	0.17271	0.3726	0.19138	0.1503	0.16325	3.20841631	0.006946036	5.211E-07	0.0160959	0.3091296	0.047634	0.024538	0.02557331	3.587187
983	490636.72	3861135.12	0.17202	0.16561	0.22436	0.17281	0.38464	0.18924	0.1524	0.16561	3.17555681	0.00704645	5.381E-07	0.0161052	0.3191186	0.047101	0.024879	0.02594301	3.563865
984	490686.72	3861135.12	0.17021	0.1678	0.23001	0.1719	0.37199	0.18685	0.1548	0.1678	3.1421435	0.007139631	5.516E-07	0.0160204	0.3086235	0.046506	0.025266	0.02628607	3.519414
985	490736.72	3861135.12	0.16825	0.16997	0.23381	0.16968	0.31024	0.18699	0.1576	0.16997	3.10596113	0.007231961	5.608E-07	0.0158135	0.2573923	0.046541	0.025717	0.02662601	3.432031
986	490786.72	3861135.12	0.16607	0.17173	0.2117	0.1691	0.34338	0.18059	0.1604	0.17173	3.06571747	0.007306847	5.077E-07	0.0157594	0.2848871	0.044948	0.026179	0.02690171	3.417896
987	490836.72	3861135.12	0.16715	0.1732	0.19243	0.16875	0.35651	0.17589	0.1633	0.1732	3.0856547	0.007369393	4.615E-07	0.0157268	0.2957804	0.043778	0.026652	0.02713199	3.44783
988	490086.72	3861185.12	0.20452	0.12152	0.10392	0.2054	0.30589	0.19933	0.1192	0.12152	3.77551959	0.005170489	2.492E-07	0.0191424	0.2537833	0.049613	0.019458	0.01903626	4.103651
989	490136.72	3861185.12	0.19272	0.12518	0.10043	0.19794	0.28776	0.19395	0.12	0.12518	3.55768695	0.005326216	2.409E-07	0.0184472	0.2387416	0.048273	0.019592	0.0196096	3.868458
990	490186.72	3861185.12	0.18306	0.12868	0.10976	0.19143	0.25005	0.18981	0.1213	0.12868	3.37935955	0.005475136	2.632E-07	0.0178405	0.2074553	0.047243	0.019793	0.02015788	3.657009
991	490236.72	3861185.12	0.18175	0.13164	0.12352	0.18546	0.26668	0.18778	0.1226	0.13164	3.35517644	0.005601079	2.962E-07	0.0172841	0.2212525	0.046738	0.020013	0.02062157	3.645444
992	490286.72	3861185.12	0.18058	0.13504	0.14003	0.17996	0.28176	0.18589	0.1242	0.13504	3.33357778	0.005745744	3.358E-07	0.0167715	0.2337637	0.046267	0.020273	0.02115418	3.635245
993	490336.72	3861185.12	0.17898	0.13753	0.14089	0.17455	0.32028	0.1835	0.1248	0.13753	3.30404115	0.005851689	3.379E-07	0.0162673	0.265722	0.045673	0.020376	0.02154424	3.636387
994	490386.72	3861185.12	0.17774	0.14001	0.13053	0.16983	0.31382	0.18335	0.1261	0.14001	3.28115026	0.00595721	3.131E-07	0.0158275	0.2603624	0.045635	0.02058	0.02193274	3.60758
995	490436.72	3861185.12	0.17661	0.14235	0.12964	0.17474	0.3074	0.18496	0.1275	0.14235	3.26029002	0.006056773	3.109E-07	0.016285	0.2550361	0.046036	0.020815	0.0222993	3.58222
996	490486.72	3861185.12	0.17533	0.14435	0.15635	0.17662	0.29485	0.18616	0.1325	0.14435	3.23666071	0.00614187	3.75E-07	0.0164603	0.2446239	0.046335	0.021626	0.0226126	3.549235
997	490536.72	3861185.12	0.1743	0.14639	0.19532	0.17286	0.32464	0.18044	0.1384	0.14639	3.21764651	0.006228669	4.684E-07	0.0161098	0.2693393	0.044911	0.022589	0.02293217	3.553893
998	490586.72	3861185.12	0.17281	0.14792	0.20491	0.16985	0.35008	0.1772	0.1463	0.14792	3.19014052	0.006293768	4.914E-07	0.0158293	0.2904457	0.044104	0.023882	0.02317185	3.547524
999	490636.72	3861185.12	0.17104	0.15305	0.21284	0.17293	0.37083	0.1731	0.1487	0.15305	3.15746563	0.006512041	5.105E-07	0.0161164	0.3076611	0.043084	0.024279	0.02397547	3.531143
1000	490686.72	3861185.12	0.16938	0.16119	0.21995	0.17131	0.37889	0.16913	0.1511	0.16119	3.12682137	0.006858386	5.275E-07	0.0159654	0.3143481	0.042096	0.024669	0.02525061	3.505508
1001	490736.72	3861185.12	0.16773	0.16598	0.22582	0.1678	0.34696	0.17057	0.154	0.16598	3.09636173	0.007062193	5.416E-07	0.0156383	0.2878572	0.042454	0.025129	0.02600097	3.448502
1002	490786.72	3861185.12	0.16581	0.16832	0.22959	0.16678	0.30941	0.17795	0.1567	0.16832	3.06091777	0.007161756	5.506E-07	0.0155432	0.2567037	0.044291	0.025581	0.02636753	3.383832
1003	490836.72	3861185.12	0.16364	0.17037	0.18402	0.16585	0.34421	0.17775	0.1595	0.17037	3.02085872	0.007248981	4.413E-07	0.0154565	0.2855757	0.044241	0.026028	0.02668867	3.372721
1004	490086.72	3861235.12	0.19123	0.11602	0.09529	0.20484	0.30513	0.20555	0.117	0.11602	3.53018096	0.004936472	2.285E-07	0.0190902	0.2531527	0.051161	0.019091	0.01817467	3.859438
1005	490136.72	3861235.12	0.19516	0.11987	0.09577	0.19746	0.30094	0.19942	0.1178	0.11987	3.60273031	0.005100284	2.297E-07	0.0184025	0.2496765	0.049635	0.019232	0.01877778	3.925999
1006	490186.72	3861235.12	0.18353	0.12358	0.10245	0.19103	0.26691	0.19422	0.119	0.12358	3.38803594	0.005258138	2.457E-07	0.0178032	0.2214433	0.048341	0.019431	0.01935896	3.680953
1007	490236.72	3861235.12	0.18052	0.12694	0.11407	0.18479	0.23016	0.18934	0.12	0.12694	3.33247015	0.005401101	2.736E-07	0.0172217	0.1909535	0.047126	0.019589	0.01988531	3.592877
1008	490386.72	3861235.12	0.17659	0.13565	0.13741	0.16919	0.32617	0.18094	0.1235	0.13565	3.25992081	0.005771698	3.296E-07	0.0157678	0.2706087	0.045035	0.020152	0.02124974	3.596007
1009	490436.72	3861235.12	0.1753	0.13804	0.13851	0.16768	0.29307	0.18027	0.1245	0.13804	3.2361069	0.005873389	3.322E-07	0.0156271	0.2431471	0.044869	0.020319	0.02162413	3.544318
1010	490486.72	3861235.12	0.17407	0.14024	0.12791	0.16862	0.29555	0.18088	0.1256	0.14024	3.21340062	0.005966996	3.068E-07	0.0157147	0.2452046	0.04502	0.0205	0.02196877	3.523839
1011	490536.72	3861235.12	0.17325	0.14257	0.18138	0.16705	0.29828	0.18351	0.1276	0.14257	3.19826309	0.006066134	4.35E-07	0.0155684	0.2474696	0.045675	0.020823	0.02233376	3.511532
1012	490586.72	3861235.12	0.1722	0.14501	0.19228	0.17028	0.3267	0.17832	0.1292	0.14501	3.17887968	0.006169952	4.612E-07	0.0158694	0.2710484	0.044383	0.021086	0.02271599	3.514721
1013	490636.72	3861235.12	0.1703	0.14566	0.20052	0.17305	0.34909	0.17186	0.1293	0.14566	3.14380494	0.006197608	4.809E-07	0.0161275	0.2896244	0.042775	0.021097	0.02281782	3.49681
1014	490686.72	3861235.12	0.16548	0.14781	0.20884	0.17083	0.36938	0.16631	0.1305	0.14781	3.05482584	0.006289088	5.009E-07	0.0159206	0.3064581	0.041394	0.021305	0.02315462	3.423038
1015	490736.72	3861235.12	0.16475	0.15047	0.21617	0.16732	0.37379	0.16143	0.1359	0.15047	3.04134975	0.006402266	5.184E-07	0.0155935	0.3101169	0.040179	0.022188	0.02357131	3.412259
1016	490786.72	3861235.12	0.16396	0.15322	0.22187	0.16401	0.3238	0.15945	0.1429	0.15322	3.02676604	0.006519275	5.321E-07	0.0152851	0.2686424	0.039687	0.023327	0.0240021	3.356225
1017	490836.72	3861235.12	0.16299	0.15577	0.20641	0.16369	0.31115	0.16477	0.1509	0.15577	3.00885946	0.006627773	4.95E-07	0.0152552	0.2581473	0.041011	0.024623	0.02440156	3.330122
1018	490086.72	3861285.12	0.1833	0.11411	0.10124	0.20479	0.30339	0.20705	0.1152	0.11411	3.38379004	0.004855205	2.428E-07	0.0190856	0.2517091	0.051534	0.018806	0.01787547	3.711904
1019	490136.72	3861285.12	0.18232	0.11545	0.0939	0.19777	0.30222	0.20587	0.1164	0.11545	3.36569886	0.004912219	2.252E-07	0.0184313	0.2507384	0.05124	0.019005	0.01808538	3.691941
1020	490186.72	3861285.12	0.18612	0.11842	0.09578	0.19079	0.28336	0.20035	0.1171	0.11842	3.43584835	0.005038588	2.297E-07	0.0177808	0.2350911	0.049866	0.019114	0.01855064	3.744189
1021	490236.72	3861285.12	0.17957	0.12198	0.10582	0.18456	0.24679	0.19465	0.1181	0.12198	3.31493278	0.005190061	2.538E-07	0.0172002	0.2047506	0.048448	0.019274	0.01910832	3.590687
1022	490386.72	3861285.12	0.17575	0.13199	0.13561	0.16886	0.29486	0.18206	0.1214	0.13199	3.24441408	0.005615971	3.252E-07	0.0157371	0.2446322	0.045314	0.019809	0.02067639	3.554847

1023	490436.72	3861285.12	0.17461	0.13406	0.1346	0.16465	0.31342	0.17995	0.1226	0.13406	3.22336923	0.005704046	3.228E-07	0.0153447	0.2600306	0.044789	0.02001	0.02100066	3.548247
1024	490486.72	3861285.12	0.17333	0.13632	0.12452	0.16438	0.28666	0.17854	0.1235	0.13632	3.19973993	0.005800206	2.986E-07	0.0153195	0.237829	0.044438	0.020151	0.02135469	3.501923
1025	490536.72	3861285.12	0.17217	0.13852	0.15442	0.16665	0.27326	0.17853	0.1246	0.13852	3.17832587	0.005893812	3.704E-07	0.0155311	0.2267116	0.044436	0.020332	0.02169933	3.469531
1026	490586.72	3861285.12	0.17108	0.14056	0.17807	0.16983	0.30029	0.17451	0.1259	0.14056	3.15820404	0.005980611	4.271E-07	0.0158275	0.2491372	0.043435	0.020544	0.0220189	3.47111
1027	490636.72	3861285.12	0.16958	0.14211	0.1875	0.17299	0.3256	0.16954	0.1265	0.14211	3.13051345	0.006046561	4.497E-07	0.016122	0.2701358	0.042198	0.020645	0.0222617	3.4634
1028	490686.72	3861285.12	0.16722	0.14433	0.19669	0.17016	0.34858	0.16521	0.1277	0.14433	3.08694692	0.006141019	4.717E-07	0.0158582	0.2892013	0.04112	0.020848	0.02260947	3.437506
1029	490736.72	3861285.12	0.16072	0.14718	0.20556	0.16696	0.36632	0.16168	0.1297	0.14718	2.96695437	0.006262282	4.93E-07	0.01556	0.3039193	0.040242	0.021174	0.02305593	3.331056
1030	490786.72	3861285.12	0.15985	0.14951	0.21227	0.16343	0.35957	0.15772	0.1311	0.14951	2.95089383	0.00636142	5.091E-07	0.015231	0.2983192	0.039256	0.021404	0.02342092	3.308045
1031	490836.72	3861285.12	0.15884	0.15166	0.2171	0.16079	0.30073	0.15392	0.1324	0.15166	2.93224883	0.006452899	5.207E-07	0.014985	0.2495023	0.03831	0.021608	0.02375772	3.23935
1032	490061.24	3859716.13	0.29781	0.6829	1.16893	0.87513	0.37663	0.51705	0.6669	0.6829	5.49768965	0.029056342	2.803E-06	0.0815585	0.3124731	0.128692	0.108862	0.10697712	6.051357
1033	490111.24	3859716.13	0.31156	0.77155	1.06845	0.93028	0.40502	0.54914	0.7677	0.77155	5.75152006	0.032828262	2.563E-06	0.0866982	0.336027	0.136679	0.125314	0.12086425	6.348205
1034	490161.24	3859716.13	0.32936	0.88479	1.00508	0.97174	0.46612	0.56246	0.8766	0.88479	6.08011505	0.03764645	2.411E-06	0.0905621	0.386719	0.139994	0.143093	0.13860343	6.739529
1035	490211.24	3859716.13	0.35117	1.06477	0.79668	1.00186	0.5177	0.60482	1.0466	1.06477	6.48273623	0.045304321	1.911E-06	0.0933692	0.4295126	0.150538	0.17083	0.16679752	7.205495
1036	490061.24	3859766.13	0.27909	0.56774	1.11721	0.7372	0.41811	0.43218	0.5441	0.56774	5.15211109	0.024156461	2.679E-06	0.068704	0.3468872	0.107568	0.088808	0.08893716	5.6993
1037	490111.24	3859766.13	0.28697	0.6029	1.08374	0.8294	0.35919	0.46087	0.5774	0.6029	5.29757899	0.025652465	2.599E-06	0.0772966	0.2980039	0.114709	0.094243	0.09444502	5.813042
1038	490161.24	3859766.13	0.29665	0.64256	0.9331	0.83801	0.39124	0.49178	0.6468	0.64256	5.4762756	0.027339937	2.238E-06	0.0780991	0.3245944	0.122402	0.105571	0.10065781	6.033627
1039	490211.24	3859766.13	0.30862	0.69706	1.00225	0.85869	0.45016	0.52593	0.7045	0.69706	5.6972465	0.029658828	2.404E-06	0.0800264	0.3734777	0.130902	0.11499	0.1091953	6.317108
1040	490061.24	3859816.13	0.27034	0.46786	1.0157	0.622	0.45225	0.38768	0.4802	0.46786	4.99058266	0.019906721	2.436E-06	0.0579678	0.3752116	0.096492	0.078377	0.07329084	5.54525
1041	490111.24	3859816.13	0.27406	0.50765	0.89652	0.72613	0.39928	0.39446	0.5019	0.50765	5.05925532	0.021599725	2.15E-06	0.0676723	0.3312648	0.09818	0.081924	0.07952399	5.580375
1042	490161.24	3859816.13	0.27961	0.53244	0.95445	0.74146	0.34251	0.40865	0.5143	0.53244	5.1617105	0.022654501	2.289E-06	0.069101	0.2841653	0.101712	0.083955	0.08340737	5.639893
1043	490211.24	3859816.13	0.28678	0.56091	0.83111	0.75453	0.37828	0.42855	0.5635	0.56091	5.29407152	0.023865855	1.993E-06	0.0703191	0.313842	0.106665	0.091983	0.08786723	5.81288
1044	490061.24	3859866.13	0.26633	0.39992	0.87028	0.53621	0.49325	0.37512	0.4041	0.39992	4.91655648	0.017015979	2.087E-06	0.0499726	0.4092275	0.093366	0.065954	0.06264796	5.489447
1045	490111.24	3859866.13	0.26744	0.41849	0.86063	0.56521	0.43788	0.38514	0.419	0.41849	4.93704752	0.017806104	2.064E-06	0.0526752	0.3632895	0.09586	0.068394	0.06555697	5.469518
1046	490161.24	3859866.13	0.2699	0.44243	0.73956	0.59579	0.37942	0.37517	0.4392	0.44243	4.98246008	0.018824714	1.774E-06	0.0555252	0.3147878	0.093379	0.071693	0.0693072	5.467364
1047	490211.24	3859866.13	0.2738	0.46512	0.83005	0.62796	0.32733	0.38453	0.46	0.46512	5.05445562	0.019790139	1.991E-06	0.0585233	0.2715711	0.095708	0.07508	0.07286161	5.502269
1048	490061.24	3859916.13	0.2638	0.34456	0.77753	0.48147	0.52411	0.3487	0.3593	0.34456	4.86985169	0.014660497	1.865E-06	0.044871	0.4348307	0.08679	0.058648	0.05397574	5.455678
1049	490111.24	3859916.13	0.26332	0.35916	0.75296	0.51291	0.47332	0.35952	0.3722	0.35916	4.8609907	0.015281704	1.806E-06	0.0478011	0.3926925	0.089483	0.060759	0.05626285	5.410747
1050	490161.24	3859916.13	0.26367	0.37787	0.71796	0.52744	0.41949	0.37098	0.3834	0.37787	4.86745183	0.016077786	1.722E-06	0.0491552	0.3480321	0.092336	0.062575	0.0591938	5.376436
1051	490211.24	3859916.13	0.26506	0.39553	0.64217	0.54214	0.35237	0.37306	0.3974	0.39553	4.89311178	0.016829191	1.54E-06	0.0505252	0.2923457	0.092853	0.06487	0.06196026	5.348577
1052	490229.25	3859815.26	0.2902	0.57752	0.8881	0.76663	0.40033	0.43747	0.5798	0.57752	5.35720606	0.024572585	2.13E-06	0.0714467	0.3321359	0.108885	0.094633	0.09046921	5.898412
1053	490279.25	3859815.26	0.29963	0.61951	0.84695	0.79257	0.45685	0.48209	0.6232	0.61951	5.53128757	0.026359195	2.031E-06	0.0738642	0.379028	0.119991	0.101718	0.097047	6.135202
1054	490329.25	3859815.26	0.31049	0.6808	0.66838	0.82817	0.47639	0.51055	0.6558	0.6808	5.73176744	0.02896699	1.603E-06	0.077182	0.3952395	0.127074	0.107052	0.10664815	6.360635
1055	490379.25	3859815.26	0.32228	0.7713	0.63552	0.87625	0.49619	0.55448	0.7191	0.7713	5.94941547	0.032817625	1.524E-06	0.0816629	0.4116667	0.138008	0.117373	0.12082508	6.61012
1056	490429.25	3859815.26	0.33434	0.89007	0.59387	0.91091	0.45432	0.61691	0.8476	0.89007	6.17204781	0.037871106	1.424E-06	0.084893	0.376929	0.153547	0.138348	0.13943055	6.824206
1057	490229.25	3859865.26	0.27577	0.47677	0.84108	0.64395	0.33275	0.39407	0.4705	0.47677	5.09082259	0.020285828	2.017E-06	0.0600135	0.2760678	0.098083	0.076806	0.0746866	5.547393
1058	490279.25	3859865.26	0.28156	0.51173	0.81289	0.68307	0.38737	0.43092	0.4993	0.51173	5.19770827	0.021773322	1.95E-06	0.0636593	0.3213836	0.107255	0.081494	0.08016313	5.713111
1059	490329.25	3859865.26	0.28867	0.54496	0.77573	0.73092	0.44194	0.44921	0.5343	0.54496	5.32896166	0.023187207	1.86E-06	0.0681187	0.3666579	0.111807	0.087213	0.08536865	5.900579
1060	490379.25	3859865.26	0.29698	0.57943	0.6529	0.7807	0.46138	0.46032	0.5771	0.57943	5.48236753	0.024653853	1.566E-06	0.072758	0.3827864	0.114572	0.094194	0.09076842	6.080565
1061	490429.25	3859865.26	0.30575	0.6474	0.64921	0.80518	0.48488	0.48563	0.6216	0.6474	5.64426517	0.027545871	1.557E-06	0.0750394	0.4022833	0.120872	0.101461	0.101416	6.270052
1062	490229.25	3859915.26	0.26607	0.40318	0.71559	0.54978	0.32396	0.37019	0.4049	0.40318	4.91175678	0.017154687	1.716E-06	0.0512372	0.2687751	0.092139	0.066088	0.06315864	5.343994
1063	490279.25	3859915.26	0.2691	0.42411	0.73868	0.57281	0.32157	0.37526	0.4208	0.42411	4.96769177	0.018045226	1.772E-06	0.0533835	0.2667923	0.093401	0.068687	0.06643735	5.401565
1064	490329.25	3859915.26	0.27353	0.45991	0.74292	0.63803	0.37456	0.40523	0.4546	0.45991	5.04947131	0.019568461	1.782E-06	0.0594618	0.3107557	0.10086	0.074204	0.07204546	5.542278
1065	490379.25	3859915.26	0.27917	0.48131	0.70846	0.67739	0.42781	0.4213	0.464	0.48131	5.15358793	0.020478998	1.699E-06	0.0631299	0.3549349	0.10486	0.07573	0.0753978	5.697326
1066	490429.25	3859915.26	0.28564	0.5057	0.66224	0.7005	0.44608	0.43196	0.5108	0.5057	5.27302667	0.021516755	1.588E-06	0.0652837	0.3700927	0.107513	0.083371	0.07921852	5.841587
1067	490451.43	3859872.59	0.30603	0.64468	0.59287	0.80008	0.47074	0.48887	0.6214	0.64468	5.64943408	0.02743014	1.422E-06	0.0745641	0.390552	0.121678	0.101432	0.10098991	6.264102
1068	490501.43	3859872.59	0.31421	0.72465	0.52868	0.84378	0.42925	0.5224	0.6834	0.72465	5.8004401	0.03083274	1.268E-06	0.0786368	0.3561296	0.130024	0.11155	0.1135173	6.394097
1069	490551.43	3859872.59	0.32261	0.83791	0.49109	0.92994	0.38757	0.58689	0.8059	0.83791	5.9555074	0.035651778	1.178E-06	0.0866666	0.3215495	0.146075	0.131544	0.13125962	6.545736
1070	490601.43	3859872.59	0.33238	0.96253	0.54527	1.02867	0.34479	0.66686	0.9369	0.96253	6.13586544	0.040954167	1.308E-06	0.0958678	0.2860569	0.165979	0.152927	0.1507815	6.726871
1071	490451.43	3859922.59	0.28608	0.50578	0.61316	0.70006	0.45895	0.43337	0.5179	0.50578	5.28114924	0.021520159	1.471E-06	0.0652427	0.3807703	0.107864	0.084543	0.07923105	5.86186
1072	490501.43	3859922.59	0.2929	0.55211	0.62069	0.7326	0.45997	0.45636	0.5387	0.55211	5.40704912	0.023491429	1.489E-06	0.0682753	0.3816166	0.113586	0.08793	0.0864887	5.995461
1073	490551.43	3859922.59	0.29973	0.61778	0.48522	0.75772	0.42043	0.48614	0.5923	0.61778	5.53313361	0.026285586	1.164E-06	0.0706164	0.348812	0.120999	0.09668	0.09677599	6.099752
1074	490601.43	3859922.59	0.30621	0.67696	0.45587	0.80349	0.37987	0.5306	0.667	0.67696	5.65275695	0.028803604	1.093E-06	0.0748819	0.3151612	0.132065	0.108878	0.10604661	6.206501
1075	482129.67	3852241.07	0.14608	0.48777	0.03532	0.06398	0.06151	0.09385	0.4906	0.48777	2.69669422	0.020753861	8.471E-08	0.0059627	0.0510321	0.023359	0.080072	0.07640976	2.801464
1076	482029.67	3852291.07	0.14162	0.69203	0.03228	0.04635	0.05922	0.06661	0.6974	0.69203	2.61436086	0.029444809	7.742E-08	0.0043196	0.0491322	0.016579	0.113836	0.10840734	2.719265
1077	482079.67	3852291.07	0.14209	0.63567	0.03796	0.06112	0.06013	0.07068	0.6407	0.63567	2.62303725	0.027046778	9.104E-08	0.0056961	0.0498872	0.017592	0.104579	0.09957848	2.72826
1078	482129.67	3852291.07	0.14874	0.57135	0.03753	0.06846	0.06106	0.08989	0.5745	0.57135	2.74579886	0.024310061	9.001E-08	0.0063802	0.0506588	0.022373	0.093776	0.08950267	2.853795
1079	482179.67	3852291.07	0.14703	0.48934	0.03927	0.06476	0.06197	0.09509	0.4913	0.48934	2.71423159	0.020820662	9.418E-08	0.0060354	0.0514137	0.023668	0.080197	0.07665571	2.819711

1080	482229.67	3852291.07	0.16193	0.41368	0.04992	0.06128	0.06296	0.1046	0.4171	0.41368	2.98929145	0.017601446	1.197E-07	0.005711	0.0522351	0.026035	0.068075	0.06480348	3.094145
1081	482029.67	3852341.07	0.16635	0.79201	0.03293	0.04051	0.05859	0.0676	0.7788	0.79201	3.07088638	0.033698804	7.898E-08	0.0037754	0.0486095	0.016825	0.127119	0.12406933	3.176845
1082	482079.67	3852341.07	0.1485	0.68348	0.03323	0.05197	0.05955	0.06944	0.6763	0.68348	2.74136837	0.02908102	7.97E-08	0.0048434	0.049406	0.017283	0.11039	0.10706797	2.845304
1083	482129.67	3852341.07	0.15289	0.61599	0.03957	0.06971	0.06048	0.08388	0.6211	0.61599	2.82240949	0.026209424	9.49E-08	0.0064967	0.0501776	0.020877	0.10138	0.09649558	2.931055
1084	482179.67	3852341.07	0.15045	0.57038	0.03806	0.0693	0.06146	0.09579	0.5736	0.57038	2.77736613	0.024268789	9.128E-08	0.0064585	0.0509906	0.023842	0.093625	0.08935072	2.8872
1085	482259.06	3852400.14	0.17212	0.5438	0.04938	0.06851	0.06206	0.11233	0.5485	0.5438	3.17740285	0.023137851	1.184E-07	0.0063848	0.0514884	0.027959	0.089523	0.08518693	3.290708
1086	482309.06	3852400.14	0.20337	0.47743	0.05406	0.06487	0.06315	0.11346	0.4786	0.47743	3.75429013	0.02031391	1.297E-07	0.0060456	0.0523927	0.02824	0.078126	0.07478999	3.864618
1087	482209.06	3852450.14	0.15607	0.64226	0.04123	0.07762	0.06055	0.09932	0.6668	0.64226	2.88111354	0.027327172	9.888E-08	0.0072339	0.0502356	0.02472	0.108842	0.10061081	2.998862
1088	482259.06	3852450.14	0.1716	0.5813	0.04573	0.07344	0.06155	0.11341	0.5624	0.5813	3.16780345	0.024733418	1.097E-07	0.0068443	0.0510653	0.028227	0.091795	0.09106135	3.279407
1089	482309.06	3852450.14	0.20501	0.53459	0.0552	0.06948	0.06265	0.11433	0.5358	0.53459	3.78456518	0.02274598	1.324E-07	0.0064752	0.0519779	0.028456	0.08746	0.08374417	3.897936
1090	482209.06	3852500.14	0.16818	0.76159	0.04312	0.06501	0.06045	0.09923	0.7666	0.76159	3.1046689	0.03240448	1.034E-07	0.0060587	0.0501527	0.024698	0.125136	0.119304	3.223815
1091	482259.06	3852500.14	0.17265	0.64608	0.04189	0.07876	0.06099	0.11483	0.6594	0.64608	3.18718686	0.027489708	1.005E-07	0.0073401	0.0506007	0.028581	0.107626	0.10120922	3.307615
1092	482309.06	3852500.14	0.20308	0.59241	0.05369	0.07449	0.06206	0.11549	0.5525	0.59241	3.74893662	0.025206132	1.288E-07	0.0069422	0.0514884	0.028745	0.090181	0.09280175	3.858697
1093	482283.91	3852513.62	0.18617	0.63571	0.04673	0.07805	0.06133	0.11523	0.6172	0.63571	3.43677137	0.02704848	1.121E-07	0.0072739	0.0508828	0.02868	0.100738	0.09958475	3.55181
1094	482333.91	3852513.62	0.21308	0.59371	0.05605	0.07377	0.06239	0.11719	0.5406	0.59371	3.93354055	0.025261445	1.344E-07	0.0068751	0.0517622	0.029168	0.088241	0.09300539	4.041844
1095	482283.91	3852563.62	0.1871	0.72082	0.04351	0.08361	0.06165	0.11717	0.7274	0.72082	3.45393954	0.030669779	1.044E-07	0.0077921	0.0511483	0.029163	0.118731	0.11291733	3.578527
1096	482333.91	3852563.62	0.22016	0.6424	0.05519	0.07905	0.0617	0.11809	0.6011	0.6424	4.06424013	0.027333129	1.324E-07	0.0073671	0.0511897	0.029392	0.098109	0.10063274	4.176998
1097	482383.91	3852563.62	0.21158	0.58966	0.05596	0.07463	0.06271	0.12169	0.5527	0.58966	3.90584996	0.025089124	1.342E-07	0.0069552	0.0520277	0.030288	0.090215	0.09237096	4.018054
1098	482283.91	3852613.62	0.18607	0.86412	0.04547	0.06973	0.06586	0.11929	0.8686	0.86412	3.43492533	0.036766973	1.091E-07	0.0064985	0.0546411	0.029691	0.141782	0.13536545	3.56894
1099	482333.91	3852613.62	0.21994	0.71528	0.05135	0.0848	0.06315	0.11884	0.72	0.71528	4.06017885	0.030434061	1.232E-07	0.007903	0.0523927	0.029579	0.117526	0.11204948	4.185964
1100	482383.91	3852613.62	0.21895	0.63116	0.05729	0.08007	0.06208	0.12181	0.6127	0.63116	4.04190306	0.026854885	1.374E-07	0.0074622	0.051505	0.030318	0.100004	0.09887198	4.159175
1101	482602.38	3852600.87	0.19531	0.4302	0.09014	0.06348	0.06672	0.12678	0.4347	0.4302	3.60549937	0.018304346	2.162E-07	0.0059161	0.0553546	0.031555	0.070959	0.06739135	3.720197
1102	482652.38	3852600.87	0.19016	0.39138	0.10356	0.05774	0.06756	0.1309	0.3812	0.39138	3.51042834	0.016652615	2.484E-07	0.0053811	0.0560515	0.032581	0.062216	0.06131015	3.622
1103	482702.38	3852600.87	0.18635	0.29428	0.08959	0.05468	0.06859	0.12686	0.2976	0.29428	3.44009424	0.01252116	2.149E-07	0.0050959	0.0569061	0.031575	0.048577	0.04609932	3.54867
1104	482552.38	3852650.87	0.20436	0.48816	0.08608	0.0837	0.06521	0.13237	0.4911	0.48816	3.77256592	0.020770455	2.064E-07	0.0078005	0.0541018	0.032946	0.080168	0.07647086	3.891883
1105	482602.38	3852650.87	0.19989	0.44652	0.08923	0.07335	0.06619	0.13138	0.45	0.44652	3.69004797	0.018998737	2.14E-07	0.0068359	0.0549149	0.0327	0.073453	0.0699479	3.807003
1106	482652.38	3852650.87	0.19476	0.42202	0.10345	0.06503	0.06711	0.13148	0.4256	0.42202	3.59534615	0.0179563	2.481E-07	0.0060605	0.0556782	0.032725	0.069475	0.06610995	3.711131
1107	482702.38	3852650.87	0.18928	0.3599	0.09558	0.05849	0.06793	0.13226	0.3636	0.3599	3.4941832	0.01531319	2.292E-07	0.005451	0.0563585	0.032919	0.059356	0.05637877	3.607203
1108	482552.38	3852700.87	0.20962	0.53795	0.09009	0.0986	0.06471	0.13555	0.5423	0.53795	3.86966759	0.022888943	2.161E-07	0.0091891	0.053687	0.033738	0.088524	0.08427052	3.993424
1109	482602.38	3852700.87	0.20416	0.50106	0.08813	0.08578	0.06564	0.13304	0.5057	0.50106	3.76887384	0.02131933	2.114E-07	0.0079943	0.0544586	0.033113	0.082543	0.07849166	3.889811
1110	482652.38	3852700.87	0.19765	0.46268	0.1025	0.07544	0.0664	0.13201	0.4661	0.46268	3.64869669	0.01968632	2.458E-07	0.0070307	0.0550891	0.032857	0.076087	0.07247939	3.766968
1111	482702.38	3852700.87	0.19312	0.4172	0.10191	0.0669	0.0674	0.13245	0.4207	0.4172	3.5650711	0.017751217	2.444E-07	0.0062348	0.0559188	0.032966	0.068675	0.06535489	3.681263
1112	482452.38	3852750.87	0.23219	0.73621	0.06919	0.09019	0.06847	0.12731	0.7404	0.73621	4.28631866	0.0313246	1.659E-07	0.0084053	0.0568065	0.031687	0.120846	0.11532819	4.42006
1113	482521.29	3852749.74	0.21826	0.64403	0.09027	0.08323	0.06422	0.13539	0.6422	0.64403	4.02916539	0.027402483	2.165E-07	0.0077567	0.0532805	0.033698	0.104824	0.10088808	4.155239
1114	482571.29	3852749.74	0.21234	0.55454	0.09175	0.10294	0.06444	0.13797	0.5589	0.55454	3.91987986	0.023594822	2.2E-07	0.0095936	0.053463	0.03434	0.091224	0.08686937	4.045226
1115	482521.29	3852799.74	0.22468	0.72224	0.08599	0.08941	0.06894	0.13514	0.6942	0.72224	4.14768111	0.030730198	2.062E-07	0.0083326	0.0571964	0.033636	0.113313	0.11313978	4.27775
1116	482571.29	3852799.74	0.21779	0.60186	0.09547	0.08965	0.06586	0.14054	0.642	0.60186	4.020489	0.025608215	2.29E-07	0.008355	0.0546411	0.03498	0.104794	0.0942821	4.154586
1117	482621.29	3852799.74	0.21208	0.54633	0.09151	0.10843	0.06485	0.13814	0.5506	0.54633	3.91508016	0.023245499	2.195E-07	0.0101052	0.0538031	0.034383	0.089875	0.08558326	4.040909
1118	482571.29	3852849.74	0.22412	0.71596	0.09962	0.0908	0.07059	0.14124	0.7203	0.71596	4.13734329	0.030462994	2.389E-07	0.0084622	0.0585654	0.035154	0.117569	0.11215601	4.275401
1119	482621.29	3852849.74	0.21877	0.59008	0.09521	0.10816	0.06755	0.14269	0.5942	0.59008	4.03858019	0.025106994	2.283E-07	0.0100801	0.0560432	0.035515	0.096997	0.09243675	4.169886
1120	482577.42	3852901.55	0.23493	0.81552	0.10407	0.09724	0.07454	0.14202	0.8198	0.81552	4.33690014	0.034699118	2.496E-07	0.0090624	0.0618425	0.035348	0.133812	0.1277522	4.483912
1121	482627.42	3852901.55	0.22486	0.65099	0.10034	0.09827	0.0721	0.14533	0.689	0.65099	4.15100398	0.02769862	2.406E-07	0.0091584	0.0598182	0.036172	0.112461	0.10197838	4.294334
1122	482629.96	3852955.85	0.23398	0.80805	0.10591	0.09923	0.07639	0.14798	0.813	0.80805	4.31936276	0.034381281	2.54E-07	0.0092478	0.0633774	0.036832	0.132697	0.12658202	4.469316
1123	482679.96	3852955.85	0.22687	0.64268	0.10876	0.11992	0.07406	0.1502	0.6467	0.64268	4.18810937	0.027345043	2.608E-07	0.011176	0.0614443	0.037384	0.105557	0.1006766	4.330339
1124	482781.63	3853034.48	0.22588	0.51318	0.11619	0.12058	0.07558	0.14767	0.5363	0.51318	4.16983358	0.021835017	2.787E-07	0.0112376	0.0627054	0.036755	0.087541	0.08039027	4.309517
1125	482831.63	3853034.48	0.22041	0.43337	0.09712	0.11357	0.07242	0.14272	0.4379	0.43337	4.06885523	0.018439225	2.329E-07	0.0105843	0.0600836	0.035523	0.071473	0.06788794	4.19707
1126	482881.63	3853034.48	0.21536	0.38792	0.09435	0.11147	0.0687	0.14018	0.4008	0.38792	3.97563025	0.016505398	2.263E-07	0.0103885	0.0569973	0.03489	0.065422	0.06076814	4.099066
1127	482781.63	3853084.48	0.2332	0.53205	0.1248	0.13195	0.07924	0.15522	0.57	0.53205	4.30496366	0.022637907	2.993E-07	0.0122972	0.0657419	0.038634	0.093034	0.08334628	4.453962
1128	482831.63	3853084.48	0.22694	0.46165	0.10119	0.12078	0.07742	0.14809	0.4685	0.46165	4.1894016	0.019642495	2.427E-07	0.0112562	0.0642319	0.036859	0.076468	0.07231803	4.325541
1129	482881.63	3853084.48	0.22128	0.40642	0.09927	0.11398	0.07431	0.14336	0.4221	0.40642	4.08491577	0.017292544	2.381E-07	0.0106225	0.0616517	0.035682	0.068905	0.06366619	4.215404
1130	482781.63	3853134.48	0.24132	0.62443	0.134	0.14685	0.07919	0.16487	0.6341	0.62443	4.45486205	0.026568533	3.214E-07	0.0136858	0.0657004	0.041036	0.103498	0.09781772	4.607533
1131	482831.63	3853134.48	0.23393	0.48153	0.10843	0.13174	0.0799	0.15549	0.4975	0.48153	4.31843974	0.020488359	2.601E-07	0.0122776	0.0662895	0.038701	0.081205	0.07543226	4.461969
1132	482881.63	3853134.48	0.22709	0.43564	0.10402	0.1203	0.07926	0.14842	0.4399	0.43564	4.19217066	0.01853581	2.495E-07	0.0112115	0.0657585	0.036941	0.071808	0.06824354	4.328182
1133	482831.63	3853184.48	0.24211	0.51263	0.11749	0.14664	0.08237	0.16517	0.5522	0.51263	4.46944576	0.021811616	2.818E-07	0.0136662	0.0683387	0.04111	0.090141	0.08030411	4.62421
1134	482881.63	3853184.48	0.23405	0.4589	0.10908	0.13107	0.08049	0.15568	0.4656	0.4589	4.32065499	0.019525487	2.616E-07	0.0122152	0.066779	0.038748	0.075999	0.07188724	4.462035
1135	484154.84	3854250.98	0.3497	0.12148	0.14941	0.34775	0.10266	0.22577	0.1959	0.12148	6.45559945	0.005168787	3.583E-07	0.0324089	0.0851724	0.056193	0.03197	0.01902999	6.647483
1136	484204.84	3854250.98	0.34634	0.11729	0.18563	0.34968	0.10325	0.21556	0.1882	0.11729	6.39357253	0.004990509	4.452E-07	0.0325887	0.0856619	0.053652	0.030715	0.01837362	6.582807

1137	484154.84	3854300.98	0.3805	0.12418	0.21968	0.40046	0.11429	0.23353	0.2035	0.12418	7.02417955	0.005283667	5.269E-07	0.0373212	0.0948213	0.058125	0.033209	0.01945295	7.233487
1138	484204.84	3854300.98	0.3637	0.11408	0.25488	0.3708	0.10377	0.22678	0.1958	0.11408	6.71404495	0.004853928	6.113E-07	0.034557	0.0860933	0.056445	0.031954	0.01787077	6.910077
1139	484074.19	3854519.8	0.52135	0.0891	0.30493	0.98471	0.1112	0.44496	0.3832	0.0891	9.62432591	0.003791068	7.313E-07	0.0917709	0.0922577	0.110749	0.062541	0.01395762	9.971479
1140	484124.19	3854519.8	0.53069	0.09339	0.30402	0.8158	0.12475	0.37678	0.3289	0.09339	9.79674598	0.0039736	7.291E-07	0.0760292	0.1034995	0.093779	0.053684	0.01462966	10.11308
1141	484074.19	3854569.8	0.54106	0.08842	0.39756	1.50244	0.09625	0.59666	0.4854	0.08842	9.98818026	0.003762135	9.535E-07	0.1400212	0.0798543	0.148507	0.079225	0.0138511	10.4257
1142	484124.19	3854569.8	0.55247	0.08449	0.42008	1.04756	0.11	0.45913	0.4047	0.08449	10.1988133	0.003594919	1.007E-06	0.0976283	0.0912621	0.114276	0.066055	0.01323546	10.5584
1143	485205.11	3855188.89	0.50295	0.10187	0.31809	1.04757	0.2269	0.48773	0.4259	0.10187	9.28465468	0.004334411	7.629E-07	0.0976292	0.1882488	0.121394	0.069522	0.01595806	9.749826
1144	485255.11	3855188.89	0.49398	0.0911	0.29357	0.88249	0.22435	0.4352	0.3812	0.0911	9.11906496	0.003876164	7.041E-07	0.0822444	0.1861332	0.10832	0.062226	0.01427093	9.547594
1145	485205.11	3855238.89	0.53329	0.10461	0.33749	1.29161	0.23057	0.53917	0.4889	0.10461	9.84474301	0.004450994	8.094E-07	0.1203727	0.1912936	0.134198	0.079806	0.01638728	10.35848
1146	485255.11	3855238.89	0.51343	0.10187	0.31292	1.07448	0.23395	0.46744	0.4106	0.10187	9.4781196	0.004334411	7.505E-07	0.1001371	0.1940979	0.116344	0.06702	0.01595806	9.944096
1147	485205.11	3855288.89	0.55255	0.1147	0.42728	2.04813	0.24422	0.69067	0.581	0.1147	10.2002902	0.004880308	1.025E-06	0.1908772	0.2026184	0.171905	0.094842	0.01796789	10.84745
1148	485255.11	3855288.89	0.53138	0.10605	0.39274	1.48631	0.2422	0.56982	0.4772	0.10605	9.80948366	0.004512264	9.419E-07	0.1385179	0.2009425	0.141826	0.077885	0.01661286	10.35656
1149	485255.11	3855338.89	0.5554	0.11482	0.4559	2.23042	0.24699	0.7532	0.629	0.11482	10.2529023	0.004885414	1.093E-06	0.2078659	0.2049166	0.187469	0.102677	0.01798669	10.94273
1150	485305.11	3855338.89	0.53278	0.10699	0.44819	1.58764	0.25844	0.61568	0.503	0.10699	9.83532821	0.004552259	1.075E-06	0.1479615	0.2144161	0.153241	0.082111	0.01676011	10.42085
1151	485852.5	3855635.28	0.49574	0.08764	0.45963	0.76268	0.35206	0.39976	0.3455	0.08764	9.15155525	0.003728947	1.102E-06	0.0710786	0.2920885	0.099499	0.056391	0.01372891	9.660613
1152	485902.5	3855635.28	0.49855	0.08621	0.44473	0.67957	0.34181	0.35345	0.3217	0.08621	9.20342895	0.003668103	1.067E-06	0.0633331	0.2835845	0.087973	0.052507	0.0135049	9.680991
1153	485852.5	3855685.28	0.50613	0.09124	0.48592	0.93899	0.30879	0.42698	0.3808	0.09124	9.34335873	0.003882121	1.165E-06	0.08751	0.2561893	0.106274	0.062154	0.01429286	9.845076
1154	485902.5	3855685.28	0.50728	0.08891	0.46315	0.76655	0.36624	0.40512	0.3488	0.08891	9.36458818	0.003782983	1.111E-06	0.0714393	0.303853	0.100833	0.056939	0.01392786	9.887509
1155	485852.5	3855735.28	0.51889	0.09552	0.48548	1.14038	0.33577	0.49887	0.4018	0.09552	9.57891335	0.004064229	1.164E-06	0.1062787	0.2785734	0.124167	0.06558	0.01496332	10.14261
1156	485902.5	3855735.28	0.51609	0.09307	0.48521	0.9719	0.32225	0.42778	0.3811	0.09307	9.52722425	0.003959985	1.164E-06	0.0905771	0.2673564	0.106473	0.06221	0.01457953	10.04322
1157	485852.5	3855785.28	0.53283	0.10008	0.59266	1.40809	0.39077	0.57497	0.4334	0.10008	9.83625123	0.00425825	1.421E-06	0.1312282	0.3242044	0.143108	0.070743	0.01567765	10.49412
1158	485902.5	3855785.28	0.53002	0.09699	0.53427	1.15084	0.36659	0.50946	0.3993	0.09699	9.78437752	0.004126775	1.281E-06	0.1072535	0.3041434	0.126803	0.065174	0.0151936	10.37669
1159	486809.46	3856465.28	0.51834	0.09426	0.36631	0.80259	1.56274	0.39467	0.3151	0.09426	9.56876013	0.004010618	8.785E-07	0.0747981	1.2965356	0.098232	0.051437	0.01476594	11.07901
1160	486859.46	3856465.28	0.50199	0.08882	0.35834	0.72304	1.31981	0.38837	0.2975	0.08882	9.2669327	0.003779154	8.594E-07	0.0673843	1.0949874	0.096664	0.048562	0.01391376	10.5644
1161	486909.46	3856465.28	0.48774	0.08796	0.34777	0.66652	1.61838	0.37188	0.2803	0.08796	9.0038721	0.003742562	8.341E-07	0.0621169	1.3426976	0.09256	0.045758	0.01377904	10.53697
1162	486809.46	3856515.28	0.5351	0.09975	0.34793	0.93711	1.73656	0.42205	0.3257	0.09975	9.87815632	0.004244209	8.345E-07	0.0873348	1.4407463	0.105047	0.053164	0.01562596	11.55307
1163	486859.46	3856515.28	0.51635	0.09499	0.35078	0.80557	1.83493	0.4058	0.3137	0.09499	9.53202395	0.004041678	8.413E-07	0.0750758	1.5223595	0.101002	0.051211	0.0148803	11.27084
1164	486909.46	3856515.28	0.50006	0.09201	0.34606	0.72579	1.6416	0.41133	0.3029	0.09201	9.23130415	0.003914884	8.3E-07	0.0676406	1.3619622	0.102379	0.049444	0.01441348	10.80223
1165	486980.94	3856357.95	0.4504	0.07991	0.30111	0.48568	1.06286	0.29809	0.2377	0.07991	8.31456103	0.003400047	7.222E-07	0.0452634	0.8818075	0.074194	0.038806	0.012518	9.345514
1166	487030.94	3856357.95	0.44028	0.08013	0.30623	0.45145	0.94632	0.28187	0.2274	0.08013	8.12774185	0.003409408	7.344E-07	0.0420733	0.7851195	0.070156	0.037123	0.01255246	9.053072
1167	486980.94	3856407.95	0.45768	0.08371	0.29434	0.54128	1.26533	0.31181	0.2443	0.08371	8.44895269	0.003561731	7.059E-07	0.0504451	1.0497878	0.077608	0.039882	0.01311327	9.657125
1168	487030.94	3856407.95	0.44708	0.08302	0.29709	0.48657	1.14437	0.30204	0.2329	0.08302	8.25327252	0.003532373	7.125E-07	0.0453463	0.9494327	0.075177	0.038011	0.01300518	9.351767
1169	487447.18	3856437.45	0.38124	0.08927	0.23193	0.32277	1.69026	0.23848	0.1767	0.08927	7.03784024	0.003798301	5.562E-07	0.0300808	1.4023333	0.059357	0.028841	0.01398425	8.548267
1170	487497.18	3856437.45	0.37455	0.09107	0.22782	0.30964	1.85133	0.2295	0.1726	0.09107	6.91434021	0.003874888	5.464E-07	0.0288572	1.5359658	0.057122	0.028178	0.01426623	8.554072
1171	487547.18	3856437.45	0.368	0.09257	0.22488	0.29853	2.00802	0.22486	0.1688	0.09257	6.79342464	0.003938711	5.393E-07	0.0278218	1.6659645	0.055967	0.027558	0.0145012	8.560174
1172	487447.18	3856487.45	0.38534	0.08726	0.26791	0.3436	2.09102	0.2462	0.183	0.08726	7.11352786	0.003712778	6.425E-07	0.0320221	1.7348259	0.061278	0.029864	0.01366939	8.961563
1173	487497.18	3856487.45	0.37846	0.08862	0.25843	0.32403	2.12342	0.23686	0.1781	0.08862	6.98652035	0.003770644	6.198E-07	0.0301983	1.7617068	0.058954	0.029069	0.01388243	8.856337
1174	487547.18	3856487.45	0.37158	0.0904	0.25	0.3129	2.20242	0.22977	0.1739	0.0904	6.85951285	0.003846381	5.996E-07	0.029161	1.8272495	0.057189	0.028377	0.01416127	8.791175
1175	487447.18	3856537.45	0.39004	0.08666	0.29611	0.38136	2.2626	0.25787	0.1894	0.08666	7.2002917	0.003687249	7.102E-07	0.0355412	1.8771782	0.064183	0.030917	0.01357539	9.198224
1176	487497.18	3856537.45	0.38292	0.08643	0.28711	0.35394	2.33853	0.24896	0.1841	0.08643	7.0688537	0.003677463	6.886E-07	0.0329857	1.9401739	0.061965	0.030047	0.01353936	9.124165
1177	487547.18	3856537.45	0.37558	0.08825	0.2787	0.32571	2.44271	0.23533	0.1793	0.08825	6.93335442	0.003754901	6.684E-07	0.0303548	2.0266074	0.058573	0.029273	0.01382447	9.068094
1178	489285.89	3858826.54	0.4308	0.34909	0.40107	2.03039	0.93985	0.80443	0.3318	0.34909	7.95273732	0.014853241	9.619E-07	0.1892239	0.7797516	0.20022	0.054161	0.05468537	9.136262
1179	489335.89	3858826.54	0.41832	0.33349	0.3819	1.61725	0.93551	0.73801	0.3107	0.33349	7.72235162	0.014189485	9.159E-07	0.150721	0.7761509	0.183688	0.050717	0.05224161	8.845577
1180	489385.89	3858826.54	0.40653	0.31849	0.35882	1.35841	0.86914	0.68406	0.2918	0.31849	7.50470358	0.013551258	8.606E-07	0.1265982	0.7210867	0.17026	0.047622	0.04989185	8.533931
1181	489435.89	3858826.54	0.39506	0.3072	0.3343	1.18273	0.91803	0.63881	0.2753	0.3072	7.29296288	0.013070886	8.018E-07	0.1102255	0.7616485	0.158998	0.044942	0.04812325	8.333725
1182	489485.89	3858826.54	0.38387	0.29371	0.35961	1.05305	0.94819	0.60324	0.262	0.29371	7.08639108	0.012496907	8.625E-07	0.0981399	0.7866709	0.150144	0.042766	0.04601003	8.1306
1183	489535.89	3858826.54	0.37297	0.28017	0.5338	0.95278	0.83309	0.57294	0.2512	0.28017	6.88517279	0.011920801	1.28E-06	0.0887952	0.6911776	0.142603	0.041006	0.04388897	7.816788
1184	489585.89	3858826.54	0.36228	0.27083	0.52651	0.874	0.86297	0.53992	0.2445	0.27083	6.68783119	0.011523399	1.263E-06	0.0814532	0.7159677	0.134384	0.039906	0.04242585	7.628641
1185	489635.89	3858826.54	0.35199	0.25956	0.49111	0.80958	0.90541	0.50991	0.2353	0.25956	6.49787375	0.011043878	1.178E-06	0.0754495	0.7511783	0.126915	0.0384	0.04066039	7.460201
1186	489685.89	3858826.54	0.34466	0.24934	0.4711	0.75955	0.88575	0.48395	0.2226	0.24934	6.36255907	0.010609032	1.13E-06	0.0707869	0.7348672	0.120454	0.036338	0.03905941	7.296555
1187	489735.89	3858826.54	0.33758	0.23992	0.42373	0.72219	0.87849	0.46083	0.2125	0.23992	6.23185948	0.010208226	1.016E-06	0.0673051	0.7288439	0.114699	0.034684	0.03758376	7.150017
1188	489785.89	3858826.54	0.33229	0.23236	0.41295	0.69071	0.88426	0.44376	0.2055	0.23236	6.134204	0.00988656	9.904E-07	0.0643713	0.733631	0.11045	0.033535	0.03639948	7.04968
1189	489835.89	3858826.54	0.32581	0.22452	0.38277	0.66138	0.8526	0.42798	0.1983	0.22452	6.01458066	0.00955298	9.18E-07	0.0616379	0.7073642	0.106523	0.032375	0.03517133	6.896863
1190	489885.89	3858826.54	0.32179	0.21844	0.37343	0.63626	0.79064	0.41802	0.1924	0.21844	5.94036988	0.009294285	8.956E-07	0.0592968	0.6559587	0.104044	0.031408	0.03421889	6.766154
1191	489935.89	3858826.54	0.31838	0.21174	0.35606	0.61243	0.82618	0.40788	0.1869	0.21174	5.87741994	0.00900921	8.54E-07	0.0570759	0.6854447	0.10152	0.030503	0.03316933	6.727804
1192	489985.89	3858826.54	0.31184	0.20509	0.32831	0.60565	0.92385	0.39732	0.1806	0.20509	5.75668897	0.008726263	7.874E-07	0.0564441	0.7664771	0.098892	0.029482	0.0321276	6.684584
1193	490035.89	3858826.54	0.30659	0.19891	0.32982	0.60568	1.01816	0.38331	0.1748	0.19891	5.6597719	0.008463314	7.91E-07	0.0564469	0.8447219	0.095405	0.028531	0.03115949	6.662181

1194	489285.89	3858876.54	0.4294	0.38248	0.39233	2.33713	0.81249	0.91742	0.3804	0.38248	7.92689277	0.016273934	9.409E-07	0.2178108	0.6740867	0.228343	0.062095	0.05991596	9.065587
1195	489335.89	3858876.54	0.42147	0.36294	0.38983	1.79713	0.88684	0.81285	0.3486	0.36294	7.78050186	0.015442537	9.349E-07	0.1674851	0.7357716	0.202316	0.056895	0.05685499	8.901558
1196	489385.89	3858876.54	0.41546	0.34525	0.38145	1.47992	0.90865	0.73864	0.3257	0.34525	7.66955489	0.014689855	9.148E-07	0.1379224	0.7538663	0.183845	0.053155	0.05408383	8.758951
1197	489435.89	3858876.54	0.40512	0.32874	0.38322	1.27267	0.83959	0.68035	0.3058	0.32874	7.47867443	0.01398738	9.191E-07	0.1186076	0.6965703	0.169337	0.049912	0.05149752	8.475592
1198	489485.89	3858876.54	0.39432	0.31422	0.36377	1.12682	0.88031	0.63312	0.2884	0.31422	7.27930219	0.013369576	8.724E-07	0.105015	0.7303539	0.157581	0.047082	0.04922295	8.283482
1199	489535.89	3858876.54	0.3837	0.30373	0.51351	1.0172	0.90596	0.59329	0.2721	0.30373	7.08325281	0.012923243	1.232E-06	0.0947988	0.7516346	0.147668	0.04441	0.04757967	8.087108
1200	489585.89	3858876.54	0.37347	0.29249	0.55914	0.93025	0.79538	0.55979	0.257	0.29249	6.89440299	0.012444998	1.341E-06	0.0866955	0.6598913	0.13933	0.041955	0.04581891	7.788902
1201	489635.89	3858876.54	0.36322	0.27993	0.53408	0.86165	0.82717	0.53311	0.2528	0.27993	6.70518396	0.01191059	1.281E-06	0.0803022	0.686266	0.132689	0.041263	0.04385138	7.613765
1202	489685.89	3858876.54	0.35333	0.26716	0.50884	0.80372	0.84787	0.50957	0.2455	0.26716	6.52261067	0.011367246	1.22E-06	0.0749034	0.7034399	0.12683	0.040071	0.04185094	7.437373
1203	489735.89	3858876.54	0.34377	0.2576	0.43633	0.75388	0.85692	0.48867	0.2351	0.2576	6.34612932	0.010960483	1.046E-06	0.0702585	0.7109483	0.121628	0.03838	0.04035335	7.257953
1204	489785.89	3858876.54	0.33417	0.24884	0.39501	0.71398	0.85286	0.47116	0.2257	0.24884	6.16890954	0.010587758	9.474E-07	0.06654	0.7075799	0.11727	0.036846	0.03898109	7.068753
1205	489835.89	3858876.54	0.32955	0.23994	0.39829	0.68591	0.83849	0.45208	0.2168	0.23994	6.08362253	0.010209077	9.552E-07	0.063924	0.6956577	0.112521	0.035381	0.03758689	6.96373
1206	489885.89	3858876.54	0.32562	0.23326	0.40185	0.65485	0.84612	0.44105	0.2102	0.23326	6.01107318	0.009924853	9.638E-07	0.0610293	0.701988	0.109776	0.034307	0.03654046	6.891559
1207	489935.89	3858876.54	0.31651	0.22458	0.37047	0.63066	0.77876	0.42809	0.2025	0.22458	5.842899	0.009555533	8.885E-07	0.0587749	0.6461024	0.10655	0.033055	0.03518073	6.661758
1208	489985.89	3858876.54	0.31275	0.21608	0.38192	0.61764	0.74576	0.41235	0.1939	0.21608	5.77348792	0.009193871	9.16E-07	0.0575615	0.6187238	0.102633	0.031653	0.0338492	6.559405
1209	490035.89	3858876.54	0.30902	0.20873	0.30774	0.61095	0.84258	0.40709	0.1878	0.20873	5.70463066	0.00888114	7.381E-07	0.056938	0.699051	0.101323	0.030659	0.03269781	6.568786
1210	489285.89	3858926.54	0.43511	0.4256	0.46193	2.98886	0.83133	1.17083	0.4277	0.4256	8.03230162	0.018108624	1.108E-06	0.2785494	0.6897174	0.291416	0.069819	0.06667076	9.313242
1211	489335.89	3858926.54	0.41808	0.4006	0.38268	2.17946	0.77721	0.98395	0.3959	0.4006	7.71792112	0.017044912	9.178E-07	0.2031167	0.6448164	0.244902	0.064619	0.06275448	8.829666
1212	489385.89	3858926.54	0.41341	0.37779	0.3669	1.73004	0.85467	0.85377	0.3723	0.37779	7.63171109	0.016074382	8.8E-07	0.1612326	0.7090815	0.2125	0.060768	0.05918126	8.732188
1213	489435.89	3858926.54	0.40683	0.35936	0.43313	1.43995	0.88254	0.76755	0.3396	0.35936	7.5102417	0.015290214	1.039E-06	0.1341974	0.732204	0.191041	0.055426	0.05629418	8.582107
1214	489485.89	3858926.54	0.39897	0.34156	0.45312	1.24081	0.81563	0.70428	0.319	0.34156	7.36514301	0.014532851	1.087E-06	0.1156384	0.6766918	0.175293	0.052068	0.05350579	8.345863
1215	489535.89	3858926.54	0.39237	0.32524	0.51398	1.11317	0.84535	0.65401	0.3014	0.32524	7.24330442	0.01383846	1.233E-06	0.1037428	0.7013492	0.162781	0.049204	0.05094924	8.223271
1216	489585.89	3858926.54	0.38323	0.31147	0.55361	1.01701	0.86717	0.61261	0.2851	0.31147	7.07457643	0.013252568	1.328E-06	0.0947811	0.7194522	0.152477	0.046543	0.04879215	8.052291
1217	489635.89	3858926.54	0.37346	0.29867	0.53737	0.93821	0.7585	0.57787	0.2697	0.29867	6.89421839	0.012707948	1.289E-06	0.0874373	0.6292936	0.14383	0.04402	0.04678702	7.764721
1218	489685.89	3858926.54	0.36395	0.29021	0.5861	0.87089	0.793	0.5467	0.2593	0.29021	6.71866005	0.012347988	1.406E-06	0.0811633	0.6579167	0.136072	0.04233	0.04546175	7.60303
1219	489735.89	3858926.54	0.35424	0.27989	0.48674	0.81376	0.81541	0.52091	0.2506	0.27989	6.53940963	0.011908888	1.167E-06	0.0758391	0.6765093	0.129653	0.04091	0.04384511	7.430386
1220	489785.89	3858926.54	0.34461	0.26756	0.42444	0.76202	0.82637	0.4951	0.2423	0.26756	6.36163605	0.011384265	1.018E-06	0.0710171	0.6856023	0.123229	0.03955	0.0419136	7.250506
1221	489835.89	3858926.54	0.33548	0.25684	0.36718	0.71497	0.82731	0.47091	0.2381	0.25684	6.19309266	0.010928146	8.806E-07	0.0666322	0.6863822	0.117208	0.038861	0.0402343	7.072871
1222	489885.89	3858926.54	0.32629	0.24872	0.36252	0.68563	0.81614	0.45242	0.229	0.24872	6.02344165	0.010582652	8.694E-07	0.0638979	0.6771149	0.112606	0.037379	0.03896229	6.886061
1223	489935.89	3858926.54	0.3245	0.24005	0.36618	0.65242	0.81699	0.43796	0.2194	0.24005	5.99039754	0.010213757	8.782E-07	0.0608028	0.6778201	0.109007	0.035814	0.03760412	6.846452
1224	489985.89	3858926.54	0.31715	0.23123	0.37527	0.6212	0.76715	0.42312	0.2105	0.23123	5.85471365	0.00983848	9E-07	0.0578933	0.6364701	0.105313	0.034358	0.03622246	6.662365
1225	490035.89	3858926.54	0.30872	0.22022	0.37311	0.59686	0.73211	0.40778	0.2004	0.22022	5.69909254	0.009370021	8.948E-07	0.0556249	0.607399	0.101495	0.032718	0.03449773	6.471202
1226	489335.89	3858976.54	0.43365	0.45424	0.51266	3.25556	0.7856	1.36664	0.4474	0.45424	8.00534944	0.019327211	1.23E-06	0.3034047	0.6517772	0.340152	0.07303	0.07115725	9.321885
1227	489385.89	3858976.54	0.42919	0.42128	0.4059	2.25368	0.74537	1.09383	0.4105	0.42128	7.92301609	0.017924814	9.735E-07	0.2100337	0.6184002	0.272251	0.067	0.06599403	9.042633
1228	489435.89	3858976.54	0.41795	0.39653	0.44697	1.75181	0.82285	0.93369	0.3861	0.39653	7.71552127	0.01687174	1.072E-06	0.1632614	0.6826819	0.232392	0.063027	0.06211691	8.81164
1229	489485.89	3858976.54	0.39822	0.37331	0.51756	1.45478	0.85691	0.82639	0.3644	0.37331	7.35129772	0.015883765	1.241E-06	0.1355795	0.71094	0.205686	0.059472	0.05847947	8.420381
1230	489535.89	3858976.54	0.39172	0.35559	0.5264	1.26466	0.79298	0.7476	0.3348	0.35559	7.23130516	0.015129806	1.262E-06	0.1178611	0.6579001	0.186075	0.054652	0.05570361	8.207221
1231	489585.89	3858976.54	0.387	0.33924	0.60442	1.11151	0.81145	0.68805	0.3163	0.33924	7.14417211	0.014434139	1.45E-06	0.1035881	0.6732238	0.171253	0.051632	0.05314236	8.105163
1232	489635.89	3858976.54	0.38134	0.32295	0.64621	0.99288	0.82993	0.63937	0.2991	0.32295	7.03968628	0.013741024	1.55E-06	0.0925323	0.6885559	0.159137	0.048815	0.05059051	7.991879
1233	489685.89	3858976.54	0.37315	0.30727	0.59815	0.9097	0.72396	0.59822	0.2819	0.30727	6.88849566	0.013073865	1.435E-06	0.0847803	0.6006373	0.148895	0.046014	0.04813422	7.733763
1234	489735.89	3858976.54	0.36369	0.29518	0.52411	0.84343	0.75871	0.56231	0.2676	0.29518	6.71386035	0.012559454	1.257E-06	0.0786042	0.6294678	0.139957	0.043685	0.04624031	7.571895
1235	489785.89	3858976.54	0.35413	0.28498	0.47869	0.78857	0.78279	0.53176	0.2559	0.28498	6.53737899	0.012125459	1.148E-06	0.0734915	0.6494459	0.132353	0.041762	0.04464246	7.401916
1236	489835.89	3858976.54	0.34487	0.27555	0.39361	0.75659	0.80441	0.50298	0.245	0.27555	6.36643575	0.011724228	9.44E-07	0.0705111	0.6673831	0.12519	0.039984	0.04316524	7.238064
1237	489885.89	3858976.54	0.33631	0.26835	0.39152	0.73066	0.80219	0.47663	0.2436	0.26835	6.20841478	0.011417879	9.39E-07	0.0680945	0.6655412	0.118632	0.039769	0.04203735	7.069833
1238	489935.89	3858976.54	0.32774	0.25535	0.34122	0.69048	0.79556	0.45859	0.236	0.25535	6.05020922	0.010864749	8.184E-07	0.0643499	0.6600406	0.114141	0.038528	0.04000089	6.898134
1239	489985.89	3858976.54	0.32063	0.24593	0.32379	0.65504	0.77988	0.44567	0.2272	0.24593	5.91895582	0.010463942	7.766E-07	0.061047	0.6470316	0.110926	0.037082	0.03852523	6.746982
1240	490035.89	3858976.54	0.31917	0.22944	0.33353	0.61437	0.76609	0.41739	0.2083	0.22944	5.89200365	0.009762318	7.999E-07	0.0572567	0.6355907	0.103887	0.034004	0.03594206	6.696563
1241	489385.89	3859026.54	0.45944	0.48589	0.5105	3.11904	0.74304	1.72048	0.4764	0.48589	8.48144298	0.02067387	1.224E-06	0.2906816	0.6164671	0.428222	0.07776	0.07611526	9.839134
1242	489435.89	3859026.54	0.46069	0.44785	0.463	2.49279	0.71808	1.20064	0.4362	0.44785	8.50451847	0.019055327	1.11E-06	0.2323177	0.5957589	0.298835	0.071194	0.07015625	9.651524
1243	489485.89	3859026.54	0.42479	0.41569	0.50507	1.87274	0.79508	1.00516	0.4026	0.41569	7.84179036	0.017686968	1.211E-06	0.1745316	0.6596424	0.250181	0.065717	0.06511834	8.944433
1244	489535.89	3859026.54	0.40304	0.39204	0.53804	1.49545	0.83315	0.87794	0.3771	0.39204	7.44027681	0.016680697	1.29E-06	0.1393698	0.6912274	0.218516	0.061558	0.06141354	8.506217
1245	489585.89	3859026.54	0.38554	0.37082	0.64708	1.29498	0.77111	0.79045	0.3561	0.37082	7.11721993	0.015777819	1.552E-06	0.1206868	0.6397555	0.19674	0.058129	0.0580894	8.090222
1246	489635.89	3859026.54	0.37603	0.35274	0.79617	1.16109	0.78005	0.72023	0.3293	0.35274	6.9416616	0.015008543	1.909E-06	0.1082088	0.6471727	0.179263	0.053751	0.05525715	7.88981
1247	489685.89	3859026.54	0.36804	0.33595	0.75021	1.0486	0.7954	0.65998	0.3109	0.33595	6.79416306	0.014294154	1.799E-06	0.0977252	0.6599079	0.164267	0.050745	0.05262698	7.728476
1248	489735.89	3859026.54	0.36133	0.32185	0.63577	0.94366	0.68966	0.61243	0.2951	0.32185	6.67029382	0.013694221	1.525E-06	0.0879452	0.5721801	0.152432	0.04817	0.05041819	7.494299
1249	489785.89	3859026.54	0.35639	0.30832	0.53254	0.8646	0.72488	0.5748	0.2809	0.30832	6.57909948	0.01311854	1.277E-06	0.0805771	0.6014006	0.143066	0.045846	0.0482987	7.41481
1250	489835.89	3859026.54	0.35263	0.29349	0.46097	0.81102	0.753	0.54427	0.2644	0.29349	6.5096884	0.012487547	1.106E-06	0.0755837	0.6247305	0.135467	0.043164	0.04597557	7.355147

1251	489885.89	3859026.54	0.34567	0.28353	0.42564	0.78359	0.77058	0.5136	0.2514	0.28353	6.38120406	0.012063764	1.021E-06	0.0730273	0.6393158	0.127833	0.041037	0.04441532	7.230067
1252	489935.89	3859026.54	0.33739	0.27476	0.38732	0.73407	0.77848	0.48544	0.2488	0.27476	6.22835201	0.011690614	9.289E-07	0.0684123	0.6458701	0.120824	0.040603	0.04304149	7.072712
1253	489985.89	3859026.54	0.32922	0.26503	0.34828	0.69146	0.77153	0.47131	0.2421	0.26503	6.0775306	0.011276618	8.353E-07	0.0644412	0.640104	0.117307	0.039516	0.04151727	6.908659
1254	490035.89	3859026.54	0.32367	0.24762	0.40651	0.63821	0.77206	0.43575	0.2194	0.24762	5.97507542	0.010535849	9.749E-07	0.0594785	0.6405437	0.108457	0.035816	0.03878997	6.791117
1255	489485.89	3859076.54	0.44055	0.47731	0.54598	3.10043	0.69341	1.35808	0.4662	0.47731	8.13272616	0.020308804	1.309E-06	0.2889472	0.5752913	0.338022	0.076096	0.07477119	9.356621
1256	489535.89	3859076.54	0.42196	0.44204	0.64591	2.10046	0.76831	1.08562	0.4274	0.44204	7.78954745	0.01880812	1.549E-06	0.1957542	0.6374325	0.270207	0.069767	0.0692461	8.912272
1257	489585.89	3859076.54	0.41705	0.41105	0.72078	1.63067	0.8113	0.92562	0.3953	0.41105	7.69890692	0.017489544	1.729E-06	0.1519717	0.6730994	0.230384	0.064519	0.06439148	8.771981
1258	489635.89	3859076.54	0.39694	0.38787	1.0095	1.36311	0.74923	0.82089	0.3722	0.38787	7.32766841	0.01650327	2.421E-06	0.1270362	0.6216027	0.204317	0.060759	0.06076031	8.297128
1259	489685.89	3859076.54	0.38754	0.3658	0.96084	1.19984	0.74844	0.75293	0.3486	0.3658	7.15414072	0.015564226	2.304E-06	0.1118201	0.6209473	0.187402	0.056908	0.05730302	8.089481
1260	489735.89	3859076.54	0.37884	0.34935	0.79653	1.08405	0.76097	0.68402	0.3266	0.34935	6.9935353	0.014864304	1.91E-06	0.101029	0.6313428	0.17025	0.053309	0.0547261	7.909606
1261	489785.89	3859076.54	0.36652	0.33266	0.63674	0.99304	0.65733	0.62947	0.3091	0.33266	6.76610326	0.01415417	1.527E-06	0.0925472	0.5453574	0.156673	0.050457	0.05211159	7.573182
1262	489835.89	3859076.54	0.3535	0.31855	0.53305	0.90996	0.69437	0.58525	0.2928	0.31855	6.52574894	0.013553811	1.278E-06	0.0848045	0.5760878	0.145667	0.047795	0.04990125	7.343757
1263	489885.89	3859076.54	0.34865	0.30427	0.44077	0.84755	0.7236	0.55498	0.2774	0.30427	6.43621603	0.012946219	1.057E-06	0.0789882	0.6003386	0.138133	0.04528	0.04766427	7.264238
1264	489935.89	3859076.54	0.34361	0.29102	0.44311	0.7911	0.74332	0.52774	0.2624	0.29102	6.34317565	0.012382452	1.063E-06	0.0737272	0.6166994	0.131353	0.042826	0.04558864	7.174576
1265	489985.89	3859076.54	0.33807	0.27975	0.42539	0.7386	0.75479	0.50416	0.2532	0.27975	6.24090508	0.011902931	1.02E-06	0.0688345	0.6262156	0.125484	0.041328	0.04382318	7.070847
1266	490035.89	3859076.54	0.3323	0.26401	0.53231	0.67208	0.76243	0.46511	0.2372	0.26401	6.13438861	0.011233218	1.277E-06	0.0626351	0.6325541	0.115764	0.038721	0.04135749	6.95394
1267	489585.89	3859126.54	0.46407	0.46921	0.79898	2.48614	0.7422	1.19518	0.4637	0.46921	8.5669146	0.019964162	1.916E-06	0.231698	0.6157702	0.297476	0.075687	0.07350232	9.73401
1268	489635.89	3859126.54	0.44222	0.43364	1.02182	1.80605	0.78737	1.00061	0.4266	0.43364	8.16355501	0.018450713	2.451E-06	0.1683164	0.6532457	0.249048	0.069637	0.06793023	9.254325
1269	489685.89	3859126.54	0.40681	0.40678	1.29334	1.48641	0.72791	0.87634	0.3958	0.40678	7.50987249	0.017307862	3.102E-06	0.1385273	0.6039144	0.218118	0.064609	0.06372258	8.48863
1270	489735.89	3859126.54	0.38656	0.38527	1.00534	1.28003	0.71886	0.78734	0.3739	0.38527	7.13604954	0.016392644	2.411E-06	0.1192935	0.596406	0.195966	0.061036	0.06035301	8.064793
1271	489785.89	3859126.54	0.3773	0.36277	0.83972	1.12806	0.72969	0.71818	0.3464	0.36277	6.9651063	0.015435304	2.014E-06	0.1051305	0.6053912	0.178753	0.056549	0.05682836	7.869538
1272	489835.89	3859126.54	0.36329	0.3451	0.65922	1.01696	0.62783	0.65729	0.3264	0.3451	6.70647619	0.014683473	1.581E-06	0.0947765	0.5208825	0.163597	0.05327	0.05406034	7.499627
1273	489885.89	3859126.54	0.3538	0.32715	0.59999	0.9325	0.66576	0.60648	0.3078	0.32715	6.53128706	0.013919728	1.439E-06	0.0869051	0.5523513	0.150951	0.050248	0.05124845	7.334415
1274	489935.89	3859126.54	0.34645	0.31389	0.53885	0.86675	0.69561	0.56979	0.2921	0.31389	6.39560317	0.013355535	1.292E-06	0.0807775	0.5771166	0.141819	0.047671	0.04917125	7.207173
1275	489985.89	3859126.54	0.33997	0.29449	0.58721	0.7982	0.72047	0.53282	0.2731	0.29449	6.27597982	0.012530095	1.408E-06	0.0743889	0.5977418	0.132617	0.044578	0.04613222	7.091705
1276	490035.89	3859126.54	0.33345	0.28452	0.9178	0.7391	0.73466	0.49625	0.2598	0.28452	6.15561806	0.012105887	2.201E-06	0.0688811	0.6095146	0.123515	0.042407	0.0445704	6.967473
1277	489585.89	3859176.54	0.50411	0.55722	1.08777	3.74825	0.64799	1.98315	0.5396	0.55722	9.30606874	0.023708852	2.609E-06	0.3493214	0.5376084	0.493599	0.088078	0.08728919	10.7111
1278	489635.89	3859176.54	0.47339	0.50557	1.30907	3.05373	0.71704	1.37866	0.4965	0.50557	8.73896546	0.021511224	3.14E-06	0.284595	0.5948961	0.343144	0.081038	0.07919816	9.984955
1279	489685.89	3859176.54	0.43634	0.46416	1.73953	2.08418	0.76174	1.07559	0.4553	0.46416	8.0550079	0.019749292	4.172E-06	0.194237	0.6319817	0.267711	0.07431	0.07271123	9.170289
1280	489735.89	3859176.54	0.41217	0.42966	1.44665	1.62887	0.70691	0.92402	0.422	0.42966	7.6088202	0.01828137	3.47E-06	0.1518039	0.5864917	0.229985	0.068886	0.06730676	8.596965
1281	489785.89	3859176.54	0.39742	0.40292	1.12387	1.36116	0.69091	0.8193	0.3961	0.40292	7.3365294	0.017143625	2.695E-06	0.1268545	0.5732172	0.203921	0.064647	0.06311791	8.259197
1282	489835.89	3859176.54	0.37875	0.38069	0.80436	1.17892	0.7011	0.7355	0.3698	0.38069	6.99187387	0.016197772	1.929E-06	0.1098705	0.5816714	0.183063	0.060355	0.05963555	7.883399
1283	489885.89	3859176.54	0.36737	0.35742	0.59205	1.05145	0.60015	0.67568	0.3403	0.35742	6.78179459	0.01520767	1.42E-06	0.0979908	0.4979177	0.168174	0.055548	0.05599028	7.560645
1284	489935.89	3859176.54	0.35954	0.33969	0.7531	0.9519	0.63731	0.62969	0.3239	0.33969	6.63724972	0.014453286	1.806E-06	0.0887131	0.5287477	0.156728	0.052876	0.05321285	7.425557
1285	489985.89	3859176.54	0.35312	0.31932	1.00811	0.87402	0.67122	0.57844	0.3031	0.31932	6.51873399	0.013586573	2.418E-06	0.081455	0.5568813	0.143972	0.049475	0.05002187	7.314084
1286	490035.89	3859176.54	0.3457	0.30225	0.94159	0.81161	0.69431	0.54499	0.2859	0.30225	6.38175788	0.012860271	2.258E-06	0.0756387	0.576038	0.135646	0.046669	0.04734783	7.181264
1287	489685.89	3859226.54	0.46343	0.54918	2.39656	3.35854	0.69344	1.77449	0.5287	0.54918	8.55509995	0.023366762	5.748E-06	0.313002	0.5753162	0.441665	0.086306	0.08602972	9.908731
1288	489735.89	3859226.54	0.44784	0.50034	2.23337	2.45403	0.73264	1.17411	0.484	0.50034	8.26730242	0.021288695	5.356E-06	0.2287054	0.6078387	0.292232	0.078999	0.07837887	9.417993
1289	489785.89	3859226.54	0.42219	0.45895	1.48963	1.81845	0.68859	0.98397	0.4466	0.45895	7.79379334	0.019527615	3.573E-06	0.169472	0.5712924	0.244907	0.072893	0.07189508	8.799994
1290	489835.89	3859226.54	0.40761	0.4232	1.08192	1.47679	0.66556	0.85189	0.4179	0.4232	7.52464081	0.018006507	2.595E-06	0.1376307	0.5521854	0.212033	0.068213	0.0662948	8.446417
1291	489885.89	3859226.54	0.39446	0.39694	1.02259	1.26003	0.675	0.74899	0.393	0.39694	7.28188664	0.016889185	2.453E-06	0.1174296	0.5600174	0.186421	0.06415	0.06218113	8.164616
1292	489935.89	3859226.54	0.3707	0.37394	1.30439	1.1063	0.57384	0.68337	0.3575	0.37394	6.8432677	0.01591057	3.128E-06	0.1031026	0.4760894	0.170088	0.058361	0.05857816	7.608244
1293	489985.89	3859226.54	0.36084	0.3449	1.27007	0.97094	0.61483	0.63014	0.3329	0.3449	6.66124823	0.014674963	3.046E-06	0.0904876	0.510097	0.15684	0.054337	0.05402901	7.433659
1294	490035.89	3859226.54	0.35124	0.32711	1.29161	0.8905	0.64546	0.59408	0.3166	0.32711	6.48402845	0.013918026	3.098E-06	0.0829909	0.5355093	0.147864	0.051681	0.05124218	7.264754
1295	489735.89	3859276.54	0.50417	0.60196	3.84208	3.58776	0.67028	1.94762	0.5631	0.60196	9.30717636	0.02561247	9.215E-06	0.3343644	0.5561014	0.484756	0.091916	0.09429777	10.70564
1296	489785.89	3859276.54	0.47639	0.54165	2.16653	3.11099	0.7059	1.38363	0.5171	0.54165	8.79434664	0.023046372	5.196E-06	0.2899314	0.5856537	0.344381	0.084402	0.08485013	10.03692
1297	489835.89	3859276.54	0.43864	0.49136	1.53504	2.10116	0.67224	1.06319	0.4757	0.49136	8.0974668	0.02090661	3.682E-06	0.1958194	0.5577275	0.264624	0.077645	0.07697214	9.137221
1298	489885.89	3859276.54	0.41315	0.45143	2.05143	1.62053	0.64079	0.88823	0.4483	0.45143	7.62691139	0.01920765	4.92E-06	0.1510267	0.5316349	0.221077	0.073174	0.07071706	8.55232
1299	489935.89	3859276.54	0.39049	0.41763	2.10368	1.35256	0.65061	0.77604	0.4155	0.41763	7.20859888	0.017769512	5.045E-06	0.126053	0.5397821	0.193154	0.067813	0.06542225	8.087753
1300	489985.89	3859276.54	0.37367	0.38793	1.93891	1.12607	0.55268	0.67856	0.3742	0.38793	6.89809507	0.016505823	4.65E-06	0.1049451	0.4585339	0.168891	0.061087	0.06076971	7.647293
1301	490035.89	3859276.54	0.35971	0.36561	2.03128	1.03544	0.58731	0.64061	0.3488	0.36561	6.64038798	0.015556142	4.872E-06	0.0964987	0.4872649	0.159446	0.056926	0.05727325	7.398811
1302	490458.06	3859590.74	0.38488	0.51372	1.11424	1.86426	0.50555	1.00527	0.5157	0.51372	7.10503607	0.021857994	2.672E-06	0.1737413	0.4194323	0.250208	0.08418	0.08047486	7.973984
1303	490508.06	3859590.74	0.36513	0.46752	1.09808	1.49706	0.53055	0.88427	0.4667	0.46752	6.74044331	0.019892255	2.634E-06	0.1395198	0.4401736	0.220092	0.076174	0.07323758	7.56306
1304	490558.06	3859590.74	0.34708	0.42246	1.08681	1.25896	0.55034	0.7701	0.4071	0.42246	6.40723322	0.017975021	2.607E-06	0.1173299	0.4565925	0.191675	0.066449	0.06617887	7.191078
1305	490608.06	3859590.74	0.33377	0.38704	1.02034	1.06258	0.55102	0.67922	0.3691	0.38704	6.16152539	0.016467955	2.447E-06	0.0990281	0.4571567	0.169056	0.060253	0.06063029	6.902858
1306	490658.06	3859590.74	0.3225	0.34714	0.96557	0.92709	0.55199	0.60846	0.3434	0.34714	5.95347676	0.014770272	2.316E-06	0.086401	0.4579615	0.151444	0.056049	0.0543799	6.665725
1307	490708.06	3859590.74	0.31678	0.3299	0.90093	0.81654	0.56705	0.55334	0.32	0.3299	5.84788331	0.014036736	2.161E-06	0.0760981	0.4704561	0.137724	0.052233	0.05167924	6.546755

1308	490758.06	3859590.74	0.31192	0.30485	0.86137	0.7336	0.53989	0.50627	0.2946	0.30485	5.7581658	0.012970897	2.066E-06	0.0683685	0.4479226	0.126009	0.048079	0.04775512	6.413763
1309	490808.06	3859590.74	0.30674	0.28251	0.83231	0.67571	0.50915	0.47721	0.2737	0.28251	5.66254096	0.012020365	1.996E-06	0.0629734	0.422419	0.118776	0.044669	0.04425554	6.279145
1310	490858.06	3859590.74	0.30201	0.26513	0.79812	0.62382	0.49642	0.43661	0.2544	0.26513	5.5752233	0.011280873	1.914E-06	0.0581374	0.4118575	0.108671	0.041522	0.04153294	6.165161
1311	490458.06	3859640.74	0.43929	0.64939	0.93691	4.06163	0.45739	1.53729	0.6547	0.64939	8.10946606	0.027630543	2.247E-06	0.3785271	0.3794761	0.382626	0.106863	0.10172773	9.282863
1312	490508.06	3859640.74	0.40455	0.5845	0.91109	2.66877	0.4861	1.20654	0.5912	0.5845	7.46815201	0.024869573	2.185E-06	0.2487183	0.4032955	0.300304	0.096493	0.09156264	8.450271
1313	490558.06	3859640.74	0.37902	0.53205	0.90525	1.89383	0.51104	1.02408	0.5357	0.53205	6.99685817	0.022637907	2.171E-06	0.1764971	0.4239871	0.25489	0.087442	0.08334628	7.878968
1314	490608.06	3859640.74	0.35747	0.46284	0.8782	1.50219	0.53256	0.87829	0.4618	0.46284	6.5990367	0.019693128	2.106E-06	0.1399979	0.4418413	0.218603	0.075377	0.07250445	7.422047
1315	490658.06	3859640.74	0.33921	0.41652	0.88737	1.23709	0.54654	0.74829	0.4123	0.41652	6.26194992	0.017722284	2.128E-06	0.1152917	0.4534398	0.186247	0.067299	0.06524837	7.036703
1316	490708.06	3859640.74	0.32654	0.37131	0.90372	1.04633	0.51666	0.65882	0.375	0.37131	6.02805674	0.015798668	2.167E-06	0.0975136	0.4286497	0.163978	0.061212	0.05816616	6.737045
1317	490758.06	3859640.74	0.3201	0.34562	0.87721	0.89423	0.5613	0.59183	0.3437	0.34562	5.90917181	0.014705598	2.104E-06	0.0833385	0.4656855	0.147304	0.056095	0.05414179	6.622161
1318	490808.06	3859640.74	0.31372	0.32467	0.8317	0.80466	0.53254	0.54054	0.322	0.32467	5.79139451	0.013814208	1.995E-06	0.074991	0.4418247	0.134539	0.052555	0.05085995	6.45826
1319	490858.06	3859640.74	0.30787	0.30651	0.78184	0.73286	0.50853	0.50271	0.301	0.30651	5.68340121	0.013041528	1.875E-06	0.0682995	0.4219046	0.125123	0.04913	0.04801516	6.312887
1320	490608.06	3859690.74	0.40208	0.60781	0.78734	2.69706	0.49416	1.20809	0.6086	0.60781	7.42255484	0.025861378	1.888E-06	0.2513548	0.4099825	0.30069	0.099339	0.09521418	8.41457
1321	490658.06	3859690.74	0.3691	0.51594	0.70547	1.87696	0.51643	1.00577	0.5195	0.51594	6.81373107	0.021952451	1.692E-06	0.1749249	0.4284589	0.250333	0.084804	0.08082263	7.693383
1322	490708.06	3859690.74	0.35429	0.45372	0.71225	1.48442	0.53318	0.84831	0.457	0.45372	6.54033265	0.019305086	1.708E-06	0.1383418	0.4423556	0.211141	0.0746	0.07107579	7.355003
1323	490758.06	3859690.74	0.33901	0.41025	0.73002	1.20489	0.50285	0.7273	0.414	0.41025	6.25825785	0.017455505	1.751E-06	0.1122908	0.4171922	0.181023	0.067568	0.06426616	6.989523
1324	490808.06	3859690.74	0.32441	0.37722	0.74624	1.02646	0.54507	0.64822	0.3771	0.37722	5.98873611	0.016050129	1.79E-06	0.0956618	0.4522202	0.16134	0.061554	0.05909197	6.716471
1325	490858.06	3859690.74	0.31595	0.35439	0.75413	0.94509	0.52613	0.59248	0.3536	0.35439	5.83256118	0.015078748	1.809E-06	0.0880785	0.4365066	0.147466	0.057713	0.05551563	6.52189
1326	490708.06	3859740.74	0.3979	0.58533	0.76264	2.74757	0.49963	1.19958	0.6057	0.58533	7.34539039	0.024904889	1.829E-06	0.2560622	0.4145207	0.298571	0.098866	0.09169266	8.346625
1327	490758.06	3859740.74	0.3671	0.52344	0.67287	1.93424	0.51566	1.01628	0.5392	0.52344	6.77681029	0.022271565	1.614E-06	0.1802632	0.4278201	0.252949	0.088018	0.08199751	7.666136
1328	490808.06	3859740.74	0.35143	0.46829	0.62408	1.53792	0.49608	0.85546	0.4809	0.46829	6.48753593	0.019925017	1.497E-06	0.1433278	0.4115754	0.212921	0.078497	0.0733582	7.280425
1329	490858.06	3859740.74	0.33876	0.42425	0.61369	1.3196	0.50642	0.75261	0.4353	0.42425	6.25364275	0.018051183	1.472E-06	0.1229813	0.4201541	0.187322	0.071049	0.06645928	7.006742
1330	490786.56	3859749.39	0.36239	0.51552	0.65223	1.83647	0.5178	0.98665	0.5295	0.51552	6.68986184	0.021934581	1.564E-06	0.1711514	0.4295955	0.245574	0.086425	0.08075684	7.563787
1331	490836.56	3859749.39	0.34779	0.46022	0.60428	1.48883	0.47892	0.82866	0.4727	0.46022	6.4203401	0.019581651	1.449E-06	0.1387528	0.3973385	0.206251	0.077163	0.07209402	7.187334
1332	490786.56	3859799.39	0.43508	0.7613	0.73895	3.6716	0.48542	1.47313	0.7931	0.7613	8.03174781	0.032392141	1.772E-06	0.3421779	0.4027313	0.366657	0.12945	0.11925857	9.1859
1333	490836.56	3859799.39	0.38744	0.64075	0.68253	2.66999	0.50107	1.18216	0.6671	0.64075	7.15229468	0.027262924	1.637E-06	0.248832	0.4157154	0.294236	0.108882	0.10037427	8.14685
1334	492307.84	3854508.36	0.1258	0.05342	0.09742	0.06184	0.28794	0.05603	0.0542	0.05342	2.32231744	0.002272939	2.336E-07	0.0057632	0.238891	0.013946	0.008845	0.00836831	2.583668
1335	486445.7	3854753.6	0.27444	0.06618	0.15612	0.13268	0.19585	0.09808	0.1046	0.06618	5.06627027	0.002815857	3.744E-07	0.0123652	0.162488	0.024412	0.017074	0.01036718	5.275058
1336	472599.75	3877830.11	0.01721	0.01129	0.01378	0.01068	0.01844	0.01118	0.0113	0.01129	0.31770336	0.000480372	3.305E-08	0.0009953	0.0152988	0.002783	0.001849	0.00176859	0.337341
1337	493107.48	3866840.19	0.08534	0.02312	0.02764	0.04484	0.1284	0.04975	0.0276	0.02312	1.57540994	0.00098372	6.629E-08	0.0041789	0.1065277	0.012383	0.004508	0.00362178	1.70037
1338	495815.79	3861662.87	0.09331	0.25171	0.09985	0.11771	0.13935	0.12768	0.2534	0.25171	1.72253927	0.010709872	2.395E-07	0.0109701	0.1156125	0.031779	0.041367	0.03943068	1.893547
1339	480272.33	3841389.2	0.01545	0.00791	0.00875	0.00877	0.0168	0.00939	0.0082	0.00791	0.28521307	0.000336558	2.099E-08	0.0008173	0.0139382	0.002337	0.001338	0.00123911	0.302742
1340	497005.18	3862813.64	0.08326	0.24464	0.06306	0.06687	0.14648	0.06112	0.2419	0.24464	1.53701232	0.010409055	1.512E-07	0.006232	0.1215279	0.015213	0.039485	0.03832315	1.691556
1341	493677.33	3860302.55	0.15233	0.13115	0.21193	0.19332	0.21552	1.24089	0.1187	0.13115	2.81207167	0.00558023	5.083E-07	0.0180166	0.1788073	0.308853	0.019374	0.02054481	3.322158
1342	493727.33	3860302.55	0.15157	0.12852	0.21693	0.19124	0.19998	1.23902	0.1168	0.12852	2.79804177	0.005468328	5.203E-07	0.0178228	0.1659145	0.308388	0.01906	0.02013281	3.294563
1343	493777.33	3860302.55	0.15102	0.12524	0.21986	0.18908	0.19151	1.25451	0.1142	0.12524	2.78788856	0.005328769	5.273E-07	0.0176215	0.1588873	0.312243	0.018644	0.019619	3.280995
1344	493827.33	3860302.55	0.15057	0.12118	0.21528	0.18714	0.19003	1.27705	0.1141	0.12118	2.77958138	0.005156022	5.163E-07	0.0174407	0.1576594	0.317853	0.018623	0.01898299	3.277331
1345	493877.33	3860302.55	0.14984	0.11859	0.21031	0.18758	0.18814	1.25405	0.1119	0.11859	2.76610529	0.005045822	5.044E-07	0.0174817	0.1560914	0.312129	0.018269	0.01857727	3.256545
1346	493927.33	3860302.55	0.149	0.11679	0.20688	0.18922	0.186	1.22306	0.1103	0.11679	2.75059856	0.004969234	4.962E-07	0.0176345	0.1543159	0.304415	0.017996	0.0182953	3.231635
1347	493977.33	3860302.55	0.14959	0.11158	0.19578	0.18605	0.19777	1.25848	0.1076	0.11158	2.7614902	0.004747557	4.695E-07	0.0173391	0.1640809	0.313231	0.017565	0.01747914	3.260976
1348	494027.33	3860302.55	0.14957	0.10925	0.19248	0.1856	0.21274	1.27795	0.105	0.10925	2.76112099	0.004648419	4.616E-07	0.0172972	0.1765009	0.318077	0.017139	0.01711415	3.27767
1349	493677.33	3860352.55	0.15232	0.13501	0.21886	0.20866	0.19641	0.82474	0.1199	0.13501	2.81188707	0.005744467	5.249E-07	0.0194462	0.1629526	0.205275	0.019578	0.02114948	3.203734
1350	493727.33	3860352.55	0.15119	0.13281	0.21263	0.20052	0.2023	0.82301	0.1194	0.13281	2.79102682	0.005650861	5.1E-07	0.0186876	0.1678393	0.204844	0.019483	0.02080485	3.186728
1351	493777.33	3860352.55	0.15016	0.13049	0.20634	0.19278	0.20521	0.82526	0.1184	0.13049	2.77201262	0.005552148	4.949E-07	0.0179663	0.1702536	0.205404	0.019333	0.02044142	3.170081
1352	493827.33	3860352.55	0.14938	0.12799	0.19986	0.18769	0.19318	0.84048	0.1167	0.12799	2.75761351	0.005445777	4.793E-07	0.0174919	0.1602728	0.209193	0.019055	0.02004979	3.149023
1353	493877.33	3860352.55	0.14887	0.12556	0.19807	0.18661	0.18852	0.86853	0.1155	0.12556	2.74819871	0.005342384	4.75E-07	0.0173913	0.1564066	0.216174	0.018848	0.01966913	3.142693
1354	493927.33	3860352.55	0.14874	0.1232	0.19902	0.17952	0.18735	0.86703	0.1121	0.1232	2.74579886	0.00524197	4.773E-07	0.0167305	0.1554359	0.215801	0.018291	0.01929943	3.138001
1355	493977.33	3860352.55	0.14892	0.11805	0.20309	0.17498	0.18616	0.83847	0.1074	0.11805	2.74912173	0.005022845	4.871E-07	0.0163074	0.1544486	0.208692	0.017534	0.01849268	3.132635
1356	494027.33	3860352.55	0.14832	0.11536	0.20646	0.17308	0.18426	0.7946	0.1063	0.11536	2.7380455	0.00490839	4.952E-07	0.0161303	0.1528723	0.197773	0.017346	0.01807128	3.109005
1357	493677.33	3860402.55	0.15221	0.13553	0.21815	0.21881	0.19136	0.65755	0.126	0.13553	2.80985643	0.005766592	5.232E-07	0.0203922	0.1587628	0.163662	0.02056	0.02123094	3.15777
1358	493727.33	3860402.55	0.15099	0.13321	0.22122	0.21748	0.19073	0.65199	0.1244	0.13321	2.78733475	0.00566788	5.306E-07	0.0202682	0.1582402	0.162278	0.020302	0.02086751	3.133225
1359	493777.33	3860402.55	0.1507	0.13352	0.22389	0.2089	0.19061	0.66983	0.1202	0.13352	2.78198123	0.00568107	5.37E-07	0.0194686	0.1581406	0.166718	0.019612	0.02091607	3.130686
1360	493827.33	3860402.55	0.14934	0.1307	0.21945	0.2016	0.19272	0.64434	0.1191	0.1307	2.7568751	0.005561083	5.263E-07	0.0187883	0.1598912	0.160374	0.019441	0.02047431	3.100456
1361	493877.33	3860402.55	0.14836	0.12841	0.21339	0.19609	0.19573	0.63995	0.1176	0.12841	2.73878391	0.005463647	5.118E-07	0.0182748	0.1623884	0.159281	0.019191	0.02011558	3.083268
1362	493927.33	3860402.55	0.14825	0.12715	0.20577	0.18995	0.18751	0.63943	0.1143	0.12715	2.73675327	0.005410036	4.935E-07	0.0177026	0.1555687	0.159152	0.018652	0.0199182	3.073321
1363	493977.33	3860402.55	0.14851	0.12541	0.19696	0.18742	0.18688	0.65055	0.1082	0.12541	2.74155297	0.005336002	4.724E-07	0.0174668	0.155046	0.16192	0.017661	0.01964563	3.079338
1364	494027.33	3860402.55	0.14745	0.12279	0.19176	0.18177	0.18513	0.61745	0.1079	0.12279	2.72198495	0.005224525	4.599E-07	0.0169402	0.1535941	0.153681	0.017612	0.0192352	3.049803

1365	493677.33	3860452.55	0.14988	0.1388	0.19084	0.22437	0.18921	0.54883	0.1291	0.1388	2.76684371	0.005905726	4.577E-07	0.0209104	0.1569791	0.136602	0.021078	0.02174319	3.086576
1366	493727.33	3860452.55	0.14801	0.1357	0.18918	0.21697	0.18729	0.55752	0.1293	0.1357	2.73232277	0.005773826	4.537E-07	0.0202207	0.1553862	0.138765	0.021107	0.02125757	3.052318
1367	493777.33	3860452.55	0.14689	0.13339	0.19378	0.21179	0.18343	0.57479	0.1273	0.13339	2.71164713	0.005675539	4.648E-07	0.019738	0.1521837	0.143063	0.020777	0.02089571	3.03219
1368	493827.33	3860452.55	0.14637	0.13198	0.19952	0.2039	0.18212	0.57408	0.1234	0.13198	2.70204773	0.005615545	4.785E-07	0.0190026	0.1510968	0.142887	0.020149	0.02067483	3.020124
1369	493877.33	3860452.55	0.14576	0.13084	0.2042	0.19811	0.18339	0.57075	0.1202	0.13084	2.69078689	0.00556704	4.897E-07	0.018463	0.1521505	0.142058	0.01962	0.02049625	3.00815
1370	493927.33	3860452.55	0.14595	0.13066	0.20913	0.20202	0.18754	0.53228	0.116	0.13066	2.69429436	0.005559381	5.016E-07	0.0188274	0.1555936	0.132483	0.018936	0.02046805	3.005226
1371	493977.33	3860452.55	0.14513	0.12838	0.21227	0.19951	0.18843	0.52302	0.1152	0.12838	2.67915684	0.005462371	5.091E-07	0.0185935	0.156332	0.130178	0.018806	0.02011088	2.988418
1372	494027.33	3860452.55	0.14433	0.12615	0.21034	0.19244	0.18521	0.52108	0.1132	0.12615	2.66438853	0.005367488	5.045E-07	0.0179346	0.1536605	0.129695	0.018477	0.01976155	2.969763
1373	493677.33	3860502.55	0.14527	0.14211	0.19952	0.22083	0.18998	0.5116	0.1323	0.14211	2.6817413	0.006046561	4.785E-07	0.0205804	0.1576179	0.127336	0.021602	0.0222617	2.992662
1374	493727.33	3860502.55	0.14427	0.14007	0.19297	0.21041	0.18613	0.51228	0.1315	0.14007	2.6632809	0.005959762	4.628E-07	0.0196093	0.1544238	0.127505	0.021469	0.02194214	2.970306
1375	493777.33	3860502.55	0.14374	0.13855	0.18726	0.21021	0.18345	0.51609	0.1303	0.13855	2.6534969	0.005895089	4.491E-07	0.0195907	0.1522003	0.128453	0.021264	0.02170403	2.959196
1376	493827.33	3860502.55	0.14327	0.13636	0.18213	0.20949	0.17826	0.48659	0.1291	0.13636	2.64482051	0.005801908	4.368E-07	0.0195236	0.1478944	0.121111	0.021078	0.02136096	2.938868
1377	493877.33	3860502.55	0.1427	0.13405	0.18028	0.20625	0.17543	0.48382	0.1255	0.13405	2.63429809	0.005703621	4.324E-07	0.0192216	0.1455464	0.120421	0.020485	0.0209991	2.924677
1378	493927.33	3860502.55	0.14247	0.13304	0.18004	0.202	0.17466	0.47431	0.1211	0.13304	2.6300522	0.005660647	4.318E-07	0.0188256	0.1449076	0.118054	0.019765	0.02084088	2.916425
1379	493977.33	3860502.55	0.14142	0.13064	0.18408	0.19805	0.17816	0.44524	0.1197	0.13064	2.61066878	0.005558531	4.415E-07	0.0184574	0.1478114	0.110819	0.019532	0.02046492	2.892382
1380	494027.33	3860502.55	0.14066	0.12833	0.18829	0.19342	0.18458	0.44292	0.1174	0.12833	2.59663889	0.005460244	4.516E-07	0.0180259	0.1531378	0.110241	0.01917	0.02010305	2.882571
1381	493627.33	3860552.55	0.14502	0.14864	0.21954	0.24616	0.22612	0.46029	0.1401	0.14864	2.6771262	0.006324403	5.265E-07	0.0229411	0.1876017	0.114565	0.022863	0.02328464	3.008137
1382	493677.33	3860552.55	0.14037	0.14575	0.2092	0.23436	0.21159	0.45989	0.1382	0.14575	2.59128537	0.006201438	5.017E-07	0.0218414	0.1755468	0.114465	0.022555	0.02283191	2.909064
1383	493727.33	3860552.55	0.13753	0.14264	0.20016	0.22377	0.19586	0.45134	0.1371	0.14264	2.53885786	0.006069112	4.801E-07	0.0208544	0.1624963	0.112337	0.022374	0.02234473	2.840644
1384	493777.33	3860552.55	0.13707	0.13913	0.19983	0.21449	0.18579	0.43799	0.1338	0.13913	2.53036607	0.005919767	4.793E-07	0.0199896	0.1541417	0.109014	0.021833	0.02179488	2.81947
1385	493827.33	3860552.55	0.13697	0.13664	0.19446	0.20626	0.18154	0.41777	0.1296	0.13664	2.52852004	0.005813821	4.664E-07	0.0192226	0.1506156	0.103982	0.02115	0.02140482	2.807899
1386	493877.33	3860552.55	0.13634	0.1349	0.18867	0.20089	0.17622	0.40557	0.1282	0.1349	2.51688999	0.005739787	4.525E-07	0.0187221	0.1462019	0.100945	0.020924	0.02113225	2.788291
1387	493927.33	3860552.55	0.13631	0.13381	0.1836	0.19723	0.1711	0.40595	0.1271	0.13381	2.51633618	0.005693409	4.403E-07	0.018381	0.141954	0.10104	0.020751	0.0209615	2.783194
1388	493977.33	3860552.55	0.13647	0.13276	0.1786	0.19195	0.16775	0.40881	0.1237	0.13276	2.51928984	0.005648733	4.283E-07	0.0178889	0.1391747	0.101751	0.020191	0.02079702	2.783148
1389	494027.33	3860552.55	0.13604	0.13116	0.1739	0.19197	0.16618	0.40272	0.1223	0.13116	2.51135187	0.005580656	4.171E-07	0.0178908	0.1378721	0.100236	0.019958	0.02054637	2.772343
1390	493627.33	3860602.55	0.14222	0.15624	0.23576	0.25292	0.24531	0.42103	0.1508	0.15624	2.6254371	0.006647771	5.654E-07	0.0235711	0.2035228	0.104793	0.024613	0.02447519	2.96411
1391	493727.33	3860602.55	0.14049	0.15103	0.21348	0.23504	0.21245	0.44457	0.1443	0.15103	2.59350062	0.006426094	5.12E-07	0.0219048	0.1762603	0.110652	0.023551	0.02365903	2.908636
1392	493777.33	3860602.55	0.13771	0.14699	0.20675	0.2388	0.20042	0.4276	0.1387	0.14699	2.54218073	0.006254198	4.959E-07	0.0222552	0.1662795	0.106428	0.022637	0.02302616	2.843009
1393	493827.33	3860602.55	0.13368	0.14363	0.19982	0.22881	0.18669	0.40661	0.1362	0.14363	2.46778534	0.006111235	4.792E-07	0.0213241	0.1548884	0.101204	0.022237	0.02249981	2.75105
1394	493877.33	3860602.55	0.13094	0.13971	0.1955	0.21948	0.18128	0.39165	0.1315	0.13971	2.41720387	0.005944445	4.689E-07	0.0204546	0.1503999	0.09748	0.021456	0.02188574	2.691054
1395	493927.33	3860602.55	0.13063	0.13637	0.19209	0.21081	0.17855	0.38021	0.1281	0.13637	2.41148114	0.005802333	4.607E-07	0.0196466	0.148135	0.094633	0.020914	0.02136253	2.67925
1396	493977.33	3860602.55	0.13047	0.13303	0.19049	0.20296	0.17376	0.37259	0.1262	0.13303	2.40852748	0.005660221	4.569E-07	0.018915	0.1441609	0.092736	0.020593	0.02083931	2.669754
1397	494027.33	3860602.55	0.12983	0.13067	0.18494	0.19569	0.16799	0.36299	0.1254	0.13067	2.39671283	0.005559807	4.435E-07	0.0182375	0.1393738	0.090347	0.020466	0.02046961	2.650227
1398	493627.33	3860652.55	0.14164	0.16319	0.21595	0.24394	0.26743	0.4135	0.1587	0.16319	2.61473007	0.006943483	5.179E-07	0.0227342	0.2218747	0.102919	0.025901	0.02556391	2.969539
1399	493727.33	3860652.55	0.13701	0.15807	0.21847	0.23976	0.23049	0.38737	0.1501	0.15807	2.52925845	0.006725635	5.24E-07	0.0223446	0.1912273	0.096415	0.024499	0.02476186	2.845709
1400	493777.33	3860652.55	0.13548	0.1543	0.22269	0.23851	0.21577	0.3853	0.1475	0.1543	2.50101405	0.006565227	5.341E-07	0.0222281	0.1790147	0.0959	0.024083	0.02417128	2.804634
1401	493827.33	3860652.55	0.1355	0.15084	0.21585	0.22855	0.20252	0.39618	0.1432	0.15084	2.50138326	0.006418009	5.177E-07	0.0212999	0.1680218	0.098608	0.023376	0.02362927	2.795478
1402	493877.33	3860652.55	0.13562	0.14711	0.20895	0.21974	0.19103	0.39522	0.1378	0.14711	2.5035985	0.006259304	5.011E-07	0.0204789	0.1584891	0.098369	0.022488	0.02304496	2.786638
1403	493927.33	3860652.55	0.13191	0.1438	0.20206	0.21771	0.1805	0.37664	0.1354	0.1438	2.43511045	0.006118468	4.846E-07	0.0202897	0.1497528	0.093744	0.022095	0.02252645	2.704584
1404	493977.33	3860652.55	0.12803	0.14069	0.19561	0.22168	0.17913	0.3512	0.1333	0.14069	2.36348412	0.005986143	4.691E-07	0.0206597	0.1486162	0.087412	0.021757	0.02203926	2.625877
1405	494027.33	3860652.55	0.12523	0.1371	0.19103	0.21518	0.17577	0.34873	0.1288	0.1371	2.31179502	0.005833394	4.582E-07	0.0200539	0.1458285	0.086798	0.021017	0.02147688	2.569849
1406	494311.06	3858401.99	0.10203	0.02745	0.05799	0.06659	0.17914	0.07707	0.0302	0.02745	1.8835139	0.001167955	1.391E-07	0.0062059	0.1486245	0.019182	0.004931	0.00430008	2.059326
1407	494361.06	3858401.99	0.09843	0.02696	0.05594	0.0654	0.17549	0.07739	0.0288	0.02696	1.81705649	0.001147106	1.342E-07	0.006095	0.1455962	0.019262	0.004706	0.00422332	1.98964
1408	494411.06	3858401.99	0.09619	0.0267	0.05469	0.06472	0.17557	0.07786	0.0288	0.0267	1.77570521	0.001136044	1.312E-07	0.0060316	0.1456626	0.019379	0.004696	0.00418259	1.948428
1409	494461.06	3858401.99	0.09581	0.02648	0.05396	0.0646	0.17624	0.07867	0.0288	0.02648	1.76869026	0.001126683	1.294E-07	0.0060205	0.1462185	0.019581	0.004694	0.00414812	1.942183
1410	494511.06	3858401.99	0.09513	0.02625	0.05409	0.06371	0.17604	0.08665	0.0287	0.02625	1.75613719	0.001116897	1.297E-07	0.0059375	0.1460525	0.021567	0.004685	0.00411209	1.931384
1411	494561.06	3858401.99	0.09497	0.02607	0.0531	0.06338	0.17652	0.0882	0.028	0.02607	1.75318353	0.001109238	1.274E-07	0.0059068	0.1464508	0.021953	0.004572	0.0040839	1.929091
1412	494611.06	3858401.99	0.0935	0.02583	0.0521	0.06269	0.17617	0.08307	0.0272	0.02583	1.72604675	0.001099027	1.25E-07	0.0058424	0.1461604	0.020676	0.004432	0.0040463	1.90021
1413	494661.06	3858401.99	0.09145	0.02561	0.05156	0.06206	0.17597	0.08513	0.0264	0.02561	1.68820294	0.001089666	1.237E-07	0.0057837	0.1459945	0.021189	0.004303	0.00401184	1.86255
1414	494711.06	3858401.99	0.08809	0.0249	0.05133	0.06131	0.17505	0.09015	0.0257	0.0249	1.62617602	0.001059457	1.231E-07	0.0057138	0.1452312	0.022438	0.004188	0.00390062	1.800906
1415	494761.06	3858401.99	0.0866	0.0242	0.05117	0.06076	0.17498	0.09286	0.0256	0.0242	1.59867004	0.001029673	1.227E-07	0.0056626	0.1451731	0.023113	0.004175	0.00379096	1.774032
1416	494811.06	3858401.99	0.08418	0.02359	0.04922	0.06011	0.17436	0.09463	0.0254	0.02359	1.55399589	0.001003718	1.18E-07	0.005602	0.1446587	0.023553	0.004153	0.0036954	1.729271
1417	494861.06	3858401.99	0.08211	0.02344	0.04822	0.05951	0.17383	0.09587	0.0253	0.02344	1.51578287	0.000997336	1.156E-07	0.0055461	0.144219	0.023862	0.004131	0.0036719	1.690867
1418	494911.06	3858401.99	0.08088	0.02331	0.04877	0.05892	0.17326	0.09684	0.0252	0.02331	1.49307659	0.000991805	1.17E-07	0.0054911	0.1437461	0.024103	0.004112	0.00365154	1.667869
1419	494961.06	3858401.99	0.0797	0.02316	0.04922	0.05832	0.17254	0.098	0.0251	0.02316	1.47129333	0.000985422	1.18E-07	0.0054352	0.1431487	0.024392	0.004091	0.00362804	1.645717
1420	495011.06	3858401.99	0.07803	0.02318	0.04833	0.05765	0.17135	0.09958	0.0249	0.02318	1.44046447	0.000986273	1.159E-07	0.0053727	0.1421614	0.024785	0.004059	0.00363118	1.614198
1421	495061.06	3858401.99	0.07684	0.02316	0.0475	0.05727	0.17051	0.1014	0.0247	0.02316	1.4184966	0.000985422	1.139E-07	0.0053373	0.1414645	0.025238	0.004038	0.00362804	1.591932

1422	495111.06	3858401.99	0.07418	0.02261	0.04649	0.05706	0.16832	0.10771	0.0244	0.02261	1.36939196	0.000962021	1.115E-07	0.0053178	0.1396476	0.026809	0.003981	0.00354188	1.542567
1423	495161.06	3858401.99	0.0741	0.02252	0.04653	0.0569	0.16829	0.11136	0.0244	0.02252	1.36791512	0.000958191	1.116E-07	0.0053028	0.1396227	0.027717	0.00398	0.00352779	1.541968
1424	495211.06	3858401.99	0.07187	0.02084	0.04592	0.05671	0.16633	0.11435	0.0241	0.02084	1.32674845	0.00088671	1.101E-07	0.0052851	0.1379966	0.028461	0.003934	0.00326461	1.500048
1425	495261.06	3858401.99	0.07088	0.02064	0.04528	0.05652	0.16539	0.11671	0.0242	0.02064	1.30847266	0.0008782	1.086E-07	0.0052674	0.1372167	0.029049	0.003952	0.00323328	1.481602
1426	495311.06	3858401.99	0.0698	0.02058	0.04422	0.05634	0.16431	0.12066	0.0243	0.02058	1.28853543	0.000875647	1.061E-07	0.0052507	0.1363207	0.030032	0.003962	0.00322388	1.461752
1427	495361.06	3858401.99	0.0692	0.02053	0.04329	0.05618	0.16361	0.12317	0.0239	0.02053	1.2774592	0.00087352	1.038E-07	0.0052357	0.1357399	0.030657	0.003896	0.00321605	1.450645
1428	495411.06	3858401.99	0.06881	0.0206	0.04348	0.05603	0.1633	0.12787	0.0238	0.0206	1.27025965	0.000876498	1.043E-07	0.0052218	0.1354827	0.031826	0.00388	0.00322702	1.44432
1429	495461.06	3858401.99	0.0684	0.02092	0.04371	0.05588	0.16311	0.13559	0.0238	0.02092	1.26269088	0.000890114	1.048E-07	0.0052078	0.1353251	0.033748	0.003882	0.00327714	1.438466
1430	495511.06	3858401.99	0.06798	0.02122	0.0439	0.05573	0.16272	0.13959	0.0238	0.02122	1.25493752	0.000902878	1.053E-07	0.0051938	0.1350015	0.034743	0.00388	0.00332414	1.431335
1431	495561.06	3858401.99	0.06743	0.02141	0.04344	0.05559	0.16235	0.1435	0.0236	0.02141	1.2447843	0.000910962	1.042E-07	0.0051808	0.1346945	0.035717	0.003857	0.0033539	1.421791
1432	495611.06	3858401.99	0.06697	0.02131	0.04355	0.05544	0.16196	0.14822	0.0236	0.02131	1.23629252	0.000906708	1.044E-07	0.0051668	0.134371	0.036891	0.003855	0.00333824	1.414146
1433	495661.06	3858401.99	0.0682	0.02141	0.04432	0.0553	0.16168	0.15385	0.0238	0.02141	1.25899881	0.000910962	1.063E-07	0.0051537	0.1341387	0.038293	0.003882	0.0033539	1.438023
1434	494311.06	3858451.99	0.11143	0.02843	0.05827	0.0675	0.20934	0.07825	0.0304	0.02843	2.0570416	0.001209653	1.398E-07	0.0062907	0.1736801	0.019476	0.004965	0.00445359	2.25821
1435	494361.06	3858451.99	0.10855	0.0279	0.05742	0.06689	0.20229	0.07882	0.0304	0.0279	2.00387566	0.001187102	1.377E-07	0.0062339	0.167831	0.019618	0.004957	0.00437057	2.199332
1436	494411.06	3858451.99	0.10618	0.02754	0.05758	0.06638	0.1953	0.0798	0.0303	0.02754	1.96012453	0.001171785	1.381E-07	0.0061863	0.1620317	0.019862	0.004952	0.00431417	2.150015
1437	494461.06	3858451.99	0.10417	0.02739	0.05714	0.06614	0.18838	0.08264	0.029	0.02739	1.92301914	0.001165402	1.37E-07	0.006164	0.1562905	0.020569	0.004729	0.00429068	2.107646
1438	494511.06	3858451.99	0.10311	0.0273	0.05713	0.06583	0.18158	0.08933	0.0287	0.0273	1.90345113	0.001161573	1.37E-07	0.0061351	0.1506488	0.022234	0.004678	0.00427658	2.084032
1439	494561.06	3858451.99	0.10039	0.02653	0.05604	0.06442	0.17477	0.09251	0.0286	0.02653	1.85323886	0.001128811	1.344E-07	0.0060037	0.1449989	0.023025	0.004663	0.00415596	2.028903
1440	494611.06	3858451.99	0.09847	0.0263	0.05539	0.06335	0.16811	0.09199	0.0285	0.0263	1.8177949	0.001119024	1.328E-07	0.005904	0.1394734	0.022896	0.004652	0.00411993	1.987719
1441	494661.06	3858451.99	0.09636	0.02606	0.05465	0.06219	0.1683	0.0963	0.0281	0.02606	1.77884347	0.001108813	1.311E-07	0.0057959	0.139631	0.023969	0.00459	0.00408233	1.949856
1442	494711.06	3858451.99	0.09481	0.0258	0.05377	0.06068	0.16808	0.09241	0.0272	0.0258	1.75022986	0.00109775	1.29E-07	0.0056551	0.1394485	0.023001	0.004446	0.0040416	1.919837
1443	494761.06	3858451.99	0.09398	0.02554	0.05285	0.05913	0.16775	0.09348	0.0264	0.02554	1.73490774	0.001086688	1.268E-07	0.0055107	0.1391747	0.023267	0.004308	0.00400087	1.904253
1444	494811.06	3858451.99	0.09262	0.02506	0.05198	0.05846	0.16767	0.09539	0.0258	0.02506	1.7098016	0.001066264	1.247E-07	0.0054482	0.1391083	0.023742	0.004216	0.00392568	1.879457
1445	494861.06	3858451.99	0.08999	0.02429	0.05105	0.05777	0.16734	0.09664	0.0257	0.02429	1.66125077	0.001033502	1.224E-07	0.0053839	0.1388345	0.024053	0.00419	0.00380506	1.830941
1446	494911.06	3858451.99	0.08707	0.02362	0.04986	0.05674	0.16725	0.09768	0.0255	0.02362	1.60734642	0.001004995	1.196E-07	0.0052879	0.1387599	0.024312	0.004157	0.0037001	1.777169
1447	494961.06	3858451.99	0.08392	0.02351	0.04907	0.05636	0.16606	0.10052	0.0253	0.02351	1.54919618	0.001000314	1.177E-07	0.0052525	0.1377726	0.025019	0.00413	0.00368287	1.718688
1448	495011.06	3858451.99	0.0811	0.02332	0.04842	0.0562	0.16518	0.10025	0.0251	0.02332	1.49713788	0.00099223	1.161E-07	0.0052376	0.1370425	0.024952	0.004097	0.00365311	1.665806
1449	495061.06	3858451.99	0.0805	0.0232	0.04836	0.05615	0.1652	0.10549	0.025	0.0232	1.48606164	0.000987124	1.16E-07	0.0052329	0.1370591	0.026256	0.004087	0.00363431	1.65605
1450	495111.06	3858451.99	0.07872	0.0231	0.04769	0.05598	0.16422	0.10859	0.0248	0.0231	1.45320214	0.000982869	1.144E-07	0.0052171	0.136246	0.027028	0.004055	0.00361864	1.623112
1451	495161.06	3858451.99	0.07665	0.02282	0.04754	0.05576	0.16294	0.11221	0.0246	0.02282	1.41498913	0.000970956	1.14E-07	0.0051966	0.135184	0.027929	0.004015	0.00357478	1.58471
1452	495211.06	3858451.99	0.07485	0.02262	0.04741	0.05555	0.1618	0.11706	0.0244	0.02262	1.38176042	0.000962446	1.137E-07	0.005177	0.1342382	0.029136	0.003978	0.00354345	1.551709
1453	495261.06	3858451.99	0.07386	0.02248	0.04743	0.05538	0.16124	0.11999	0.0243	0.02248	1.36348463	0.000956489	1.138E-07	0.0051612	0.1337736	0.029865	0.003958	0.00352152	1.533678
1454	495311.06	3858451.99	0.07312	0.02213	0.0456	0.05519	0.16083	0.12296	0.0242	0.02213	1.34982394	0.000941597	1.094E-07	0.0051435	0.1334335	0.030604	0.003944	0.00346669	1.520424
1455	495361.06	3858451.99	0.07258	0.02116	0.04595	0.05498	0.16053	0.1266	0.0242	0.02116	1.33985533	0.000900325	1.102E-07	0.0051239	0.1331846	0.03151	0.003953	0.00331474	1.511213
1456	495411.06	3858451.99	0.07258	0.02116	0.0461	0.05476	0.16063	0.13001	0.0245	0.02116	1.33985533	0.000900325	1.106E-07	0.0051034	0.1332675	0.032359	0.004004	0.00331474	1.512175
1457	495461.06	3858451.99	0.07269	0.02133	0.04604	0.05451	0.16078	0.13366	0.0245	0.02133	1.34188597	0.000907559	1.104E-07	0.0050801	0.133392	0.033268	0.004004	0.00334137	1.515196
1458	495511.06	3858451.99	0.07195	0.02078	0.04561	0.05412	0.16017	0.13882	0.0241	0.02078	1.32822528	0.000884157	1.094E-07	0.0050438	0.1328859	0.034552	0.003935	0.00325521	1.502271
1459	495561.06	3858451.99	0.07254	0.02115	0.04602	0.0538	0.16064	0.14347	0.0241	0.02115	1.33911691	0.0008999	1.104E-07	0.0050139	0.1332758	0.035709	0.003931	0.00331317	1.514633
1460	495611.06	3858451.99	0.07153	0.02136	0.04631	0.05332	0.1597	0.15168	0.024	0.02136	1.32047191	0.000908835	1.111E-07	0.0049692	0.132496	0.037753	0.003911	0.00334607	1.497164
1461	495661.06	3858451.99	0.07178	0.02167	0.04643	0.05291	0.15981	0.16038	0.024	0.02167	1.32508701	0.000922025	1.114E-07	0.004931	0.1325872	0.039918	0.003917	0.00339463	1.503968
1462	494311.06	3858501.99	0.11703	0.02922	0.0616	0.06973	0.221	0.07989	0.0332	0.02922	2.1604198	0.001243266	1.477E-07	0.0064985	0.1833538	0.019884	0.005413	0.00457735	2.372235
1463	494361.06	3858501.99	0.1152	0.02874	0.06109	0.06819	0.21507	0.08324	0.0317	0.02874	2.12663728	0.001222843	1.465E-07	0.006355	0.178434	0.020718	0.005166	0.00450216	2.334031
1464	494411.06	3858501.99	0.11302	0.02823	0.05988	0.06761	0.2083	0.08666	0.0303	0.02823	2.08639362	0.001201143	1.436E-07	0.006301	0.1728172	0.021569	0.004944	0.00442226	2.288804
1465	494461.06	3858501.99	0.11178	0.02804	0.05978	0.06739	0.20565	0.09003	0.0304	0.02804	2.06350273	0.001193059	1.434E-07	0.0062805	0.1706186	0.022408	0.004961	0.0043925	2.264571
1466	494511.06	3858501.99	0.10874	0.02783	0.05909	0.06611	0.20623	0.09356	0.0303	0.02783	2.00738314	0.001184124	1.417E-07	0.0061612	0.1710998	0.023287	0.004947	0.0043596	2.209703
1467	494561.06	3858501.99	0.10933	0.02783	0.05847	0.06637	0.20405	0.09674	0.0296	0.02783	2.01827477	0.001184124	1.402E-07	0.0061854	0.1692912	0.024078	0.004835	0.0043596	2.219489
1468	494611.06	3858501.99	0.10679	0.02764	0.05728	0.06515	0.19723	0.09717	0.0284	0.02764	1.97138537	0.001176039	1.374E-07	0.0060717	0.1636329	0.024185	0.004628	0.00432984	2.166749
1469	494661.06	3858501.99	0.10527	0.02646	0.05628	0.06443	0.19049	0.0985	0.0283	0.02646	1.94332558	0.001125832	1.35E-07	0.0060046	0.158041	0.024516	0.004618	0.00414499	2.133486
1470	494711.06	3858501.99	0.10231	0.0262	0.05499	0.06298	0.18374	0.09573	0.0282	0.0262	1.88868281	0.00111477	1.319E-07	0.0058695	0.1524409	0.023827	0.00461	0.00410426	2.07244
1471	494761.06	3858501.99	0.09886	0.02593	0.05364	0.06133	0.17707	0.09541	0.0281	0.02593	1.82499446	0.001103282	1.286E-07	0.0057157	0.1469071	0.023747	0.004583	0.00406197	2.002989
1472	494811.06	3858501.99	0.09573	0.02566	0.05317	0.0598	0.17047	0.09746	0.0272	0.02566	1.76721343	0.001091793	1.275E-07	0.0055731	0.1414313	0.024257	0.004438	0.00401967	1.939986
1473	494861.06	3858501.99	0.09408	0.02543	0.05303	0.05874	0.16402	0.09964	0.0264	0.02543	1.73675378	0.001082007	1.272E-07	0.0054743	0.1360801	0.0248	0.004313	0.00398364	1.904519
1474	494911.06	3858501.99	0.09273	0.02495	0.05284	0.05659	0.15825	0.09962	0.0257	0.02495	1.71183225	0.001061584	1.267E-07	0.005274	0.131293	0.024795	0.004202	0.00390845	1.874549
1475	494961.06	3858501.99	0.0913	0.02422	0.05234	0.05631	0.15839	0.10072	0.0256	0.02422	1.68543388	0.001030524	1.255E-07	0.0052479	0.1314091	0.025069	0.004182	0.00379409	1.848578
1476	495011.06	3858501.99	0.08743	0.02369	0.05217	0.05484	0.15771	0.1025	0.0254	0.02369	1.61399216	0.001007973	1.251E-07	0.0051109	0.1308449	0.025512	0.004144	0.00371107	1.776901
1477	495061.06	3858501.99	0.08605	0.02356	0.05177	0.05436	0.15803	0.10547	0.0253	0.02356	1.58851682	0.001002442	1.242E-07	0.0050661	0.1311104	0.026251	0.004133	0.0036907	1.752389
1478	495111.06	3858501.99	0.08126	0.02331	0.05081	0.05397	0.15671	0.11122	0.025	0.02331	1.50009154	0.000991805	1.219E-07	0.0050298	0.1300153	0.027682	0.004082	0.00365154	1.664242

1479	495161.06	3858501.99	0.07961	0.02313	0.04998	0.05382	0.15618	0.11666	0.0248	0.02313	1.46963189	0.000984146	1.199E-07	0.0050158	0.1295756	0.029036	0.004053	0.00362334	1.634673
1480	495211.06	3858501.99	0.07801	0.0229	0.04971	0.05367	0.15561	0.12224	0.0247	0.0229	1.44009526	0.00097436	1.192E-07	0.0050018	0.1291027	0.030425	0.004025	0.00358731	1.606037
1481	495261.06	3858501.99	0.07702	0.0228	0.04992	0.05358	0.15542	0.12321	0.0246	0.0228	1.42181947	0.000970105	1.197E-07	0.0049934	0.128945	0.030667	0.004007	0.00357165	1.58783
1482	495311.06	3858501.99	0.07664	0.02269	0.05026	0.05353	0.15563	0.1261	0.0245	0.02269	1.41480452	0.000965425	1.205E-07	0.0049888	0.1291193	0.031386	0.003999	0.00355442	1.581709
1483	495361.06	3858501.99	0.0763	0.02258	0.05005	0.05349	0.15583	0.12924	0.0245	0.02258	1.40852799	0.000960744	1.2E-07	0.004985	0.1292852	0.032167	0.003991	0.00353718	1.57638
1484	495411.06	3858501.99	0.07623	0.02248	0.0495	0.05347	0.15618	0.13235	0.0244	0.02248	1.40723576	0.000956489	1.187E-07	0.0049832	0.1295756	0.032941	0.003989	0.00352152	1.57616
1485	495461.06	3858501.99	0.07616	0.02239	0.04945	0.05321	0.15649	0.13579	0.0244	0.02239	1.40594353	0.00095266	1.186E-07	0.004959	0.1298328	0.033798	0.003989	0.00350742	1.575968
1486	495511.06	3858501.99	0.07582	0.02227	0.04981	0.05272	0.15653	0.14126	0.0246	0.02227	1.399667	0.000947554	1.195E-07	0.0049133	0.129866	0.035159	0.004019	0.00348862	1.571083
1487	495561.06	3858501.99	0.07635	0.02222	0.05016	0.05226	0.15721	0.15115	0.0249	0.02222	1.40945101	0.000945427	1.203E-07	0.0048704	0.1304301	0.037621	0.004069	0.00348079	1.583906
1488	495611.06	3858501.99	0.07553	0.02197	0.04965	0.05167	0.15756	0.16488	0.0248	0.02197	1.39431349	0.00093479	1.191E-07	0.0048154	0.1307205	0.041038	0.00405	0.00344163	1.57243
1489	495661.06	3858501.99	0.07576	0.022	0.04977	0.05123	0.15713	0.17614	0.0246	0.022	1.39855938	0.000936066	1.194E-07	0.0047744	0.1303637	0.043841	0.004011	0.00344633	1.579039
1490	494311.06	3858551.99	0.11865	0.0298	0.06168	0.06965	0.21483	0.08929	0.0353	0.0298	2.19032563	0.001267944	1.479E-07	0.0064911	0.1782349	0.022224	0.005769	0.00466821	2.399644
1491	494361.06	3858551.99	0.12019	0.0294	0.06141	0.07001	0.21557	0.09183	0.0351	0.0294	2.21875464	0.001250925	1.473E-07	0.0065246	0.1788488	0.022856	0.005726	0.00460555	2.429356
1492	494411.06	3858551.99	0.1215	0.029	0.06185	0.0699	0.21692	0.0937	0.0348	0.029	2.24293775	0.001233905	1.483E-07	0.0065144	0.1799688	0.023322	0.005684	0.00454289	2.455117
1493	494461.06	3858551.99	0.12109	0.02887	0.06118	0.06979	0.21434	0.09473	0.034	0.02887	2.23536899	0.001228374	1.467E-07	0.0065041	0.1778283	0.023578	0.005542	0.00452252	2.445527
1494	494511.06	3858551.99	0.11949	0.02873	0.06028	0.06961	0.21476	0.09791	0.0328	0.02873	2.20583236	0.001222417	1.446E-07	0.0064874	0.1781768	0.024369	0.005351	0.00450059	2.416939
1495	494561.06	3858551.99	0.11822	0.02862	0.05944	0.06891	0.2182	0.10169	0.0317	0.02862	2.18238767	0.001217737	1.426E-07	0.0064221	0.1810308	0.02531	0.005178	0.00448336	2.397063
1496	494611.06	3858551.99	0.11621	0.02845	0.05905	0.06466	0.21654	0.10043	0.0307	0.02845	2.14528228	0.001210504	1.416E-07	0.006026	0.1796536	0.024997	0.005013	0.00445673	2.357725
1497	494661.06	3858551.99	0.11447	0.02831	0.05793	0.06269	0.21039	0.09991	0.0303	0.02831	2.11316119	0.001204547	1.389E-07	0.0058424	0.1745512	0.024867	0.004938	0.0044348	2.32013
1498	494711.06	3858551.99	0.11103	0.02806	0.05613	0.06155	0.20192	0.10174	0.0281	0.02806	2.04965744	0.00119391	1.346E-07	0.0057362	0.167524	0.025323	0.004582	0.00439563	2.249621
1499	494761.06	3858551.99	0.10764	0.02629	0.05505	0.06111	0.20253	0.09921	0.0279	0.02629	1.98707671	0.001118599	1.32E-07	0.0056952	0.1680301	0.024693	0.004561	0.00411836	2.187056
1500	494811.06	3858551.99	0.10511	0.02606	0.05499	0.06069	0.19889	0.10205	0.0279	0.02606	1.94037191	0.001108813	1.319E-07	0.0056561	0.1650102	0.0254	0.004548	0.00408233	2.138012
1501	494861.06	3858551.99	0.10174	0.02581	0.05513	0.06027	0.19226	0.10346	0.0278	0.02581	1.87816039	0.001098176	1.322E-07	0.0056169	0.1595095	0.025751	0.004538	0.00404317	2.070631
1502	494911.06	3858551.99	0.09778	0.02556	0.05507	0.05972	0.18562	0.10387	0.0271	0.02556	1.80505723	0.001087539	1.321E-07	0.0055657	0.1540006	0.025853	0.00443	0.00400401	1.99199
1503	494961.06	3858551.99	0.09477	0.02532	0.05438	0.0573	0.17909	0.10449	0.0263	0.02532	1.74949145	0.001077327	1.304E-07	0.0053401	0.148583	0.026007	0.00429	0.00396641	1.930822
1504	495011.06	3858551.99	0.09221	0.02489	0.05388	0.05636	0.1726	0.10643	0.0257	0.02489	1.70223284	0.001059031	1.292E-07	0.0052525	0.1431985	0.02649	0.004193	0.00389905	1.878527
1505	495061.06	3858551.99	0.0916	0.02415	0.05369	0.05582	0.16624	0.11406	0.0256	0.02415	1.690972	0.001027545	1.288E-07	0.0052022	0.1379219	0.028389	0.004172	0.00378313	1.863902
1506	495111.06	3858551.99	0.0874	0.02365	0.0532	0.05372	0.1599	0.11694	0.0253	0.02365	1.61343835	0.001006271	1.276E-07	0.0050065	0.1326619	0.029106	0.004122	0.0037048	1.781636
1507	495161.06	3858551.99	0.08429	0.02346	0.05285	0.05301	0.15372	0.11962	0.0251	0.02346	1.55602653	0.000998187	1.268E-07	0.0049403	0.1275346	0.029773	0.004092	0.00367504	1.71969
1508	495211.06	3858551.99	0.08163	0.02328	0.0525	0.05274	0.14808	0.12376	0.0249	0.02328	1.50692188	0.000990528	1.259E-07	0.0049151	0.1228554	0.030803	0.004068	0.00364684	1.666907
1509	495261.06	3858551.99	0.08056	0.02314	0.05243	0.05256	0.14831	0.12584	0.0248	0.02314	1.48716926	0.000984571	1.257E-07	0.0048984	0.1230462	0.031321	0.004053	0.00362491	1.647848
1510	495311.06	3858551.99	0.08036	0.02303	0.05267	0.05248	0.14895	0.12908	0.0248	0.02303	1.48347719	0.000979891	1.263E-07	0.0048909	0.1235772	0.032128	0.00405	0.00360768	1.645495
1511	495361.06	3858551.99	0.08002	0.02317	0.05234	0.05239	0.14944	0.1325	0.0248	0.02317	1.47720065	0.000985848	1.255E-07	0.0048825	0.1239837	0.032979	0.004043	0.00362961	1.640445
1512	495411.06	3858551.99	0.0801	0.02294	0.05203	0.05216	0.15018	0.13559	0.0248	0.02294	1.47867748	0.000976062	1.248E-07	0.0048611	0.1245976	0.033748	0.004046	0.00359358	1.643313
1513	495461.06	3858551.99	0.07991	0.02272	0.05153	0.05159	0.15068	0.14579	0.0248	0.02272	1.47517001	0.000966701	1.236E-07	0.004808	0.1250125	0.036287	0.004043	0.00355912	1.642728
1514	495511.06	3858551.99	0.08004	0.02263	0.05072	0.05148	0.15137	0.15365	0.0248	0.02263	1.47756986	0.000962872	1.216E-07	0.0047977	0.1255849	0.038243	0.004045	0.00354502	1.647658
1515	495561.06	3858551.99	0.07983	0.02252	0.05033	0.0514	0.15177	0.16184	0.0248	0.02252	1.47369318	0.000958191	1.207E-07	0.0047903	0.1259168	0.040281	0.004042	0.00352779	1.646154
1516	495611.06	3858551.99	0.07944	0.02241	0.05012	0.05119	0.15199	0.17231	0.0247	0.02241	1.46649362	0.000953511	1.202E-07	0.0047707	0.1260993	0.042887	0.004037	0.00351055	1.641731
1517	495661.06	3858551.99	0.07894	0.02229	0.04993	0.05118	0.15209	0.18715	0.0249	0.02229	1.45726343	0.000948405	1.197E-07	0.0047698	0.1261823	0.046581	0.004059	0.00349176	1.636313
1518	494311.06	3858601.99	0.11077	0.03023	0.06054	0.06663	0.20587	0.09348	0.0304	0.03023	2.04485774	0.00128624	1.452E-07	0.0062096	0.1708011	0.023267	0.004954	0.00473557	2.24664
1519	494361.06	3858601.99	0.12325	0.02994	0.06158	0.07094	0.22326	0.09481	0.0356	0.02994	2.27524344	0.001273901	1.477E-07	0.0066113	0.1852289	0.023598	0.005803	0.00469014	2.493068
1520	494411.06	3858601.99	0.1234	0.02989	0.06555	0.0716	0.2517	0.09541	0.0354	0.02989	2.2780125	0.001271773	1.572E-07	0.0066728	0.2088243	0.023747	0.005772	0.0046823	2.519618
1521	494461.06	3858601.99	0.12327	0.02982	0.06529	0.07137	0.2501	0.09703	0.0351	0.02982	2.27561265	0.001268795	1.566E-07	0.0066514	0.2074968	0.02415	0.005726	0.00467134	2.516235
1522	494511.06	3858601.99	0.1231	0.02955	0.06395	0.0711	0.23496	0.09936	0.0348	0.02955	2.27247438	0.001257307	1.534E-07	0.0066262	0.1949358	0.02473	0.005679	0.00462904	2.501074
1523	494561.06	3858601.99	0.12294	0.02957	0.06385	0.07089	0.23285	0.10303	0.0345	0.02957	2.26952072	0.001258158	1.531E-07	0.0066067	0.1931852	0.025644	0.005635	0.00463218	2.497217
1524	494611.06	3858601.99	0.12268	0.02934	0.06276	0.07035	0.22296	0.10375	0.0342	0.02934	2.26472102	0.001248372	1.505E-07	0.0065563	0.18498	0.025823	0.005584	0.00459615	2.484317
1525	494661.06	3858601.99	0.12247	0.02916	0.0622	0.07008	0.21817	0.10583	0.0337	0.02916	2.26084434	0.001240713	1.492E-07	0.0065312	0.1810059	0.026341	0.005496	0.00456795	2.476891
1526	494711.06	3858601.99	0.12018	0.0289	0.06157	0.06965	0.21138	0.10533	0.032	0.0289	2.21857004	0.00122965	1.477E-07	0.0064911	0.1753725	0.026216	0.005228	0.00452722	2.428581
1527	494761.06	3858601.99	0.11695	0.02865	0.06059	0.06569	0.20442	0.10533	0.0305	0.02865	2.15894297	0.001219013	1.453E-07	0.006122	0.1695981	0.026216	0.004972	0.00448806	2.362582
1528	494811.06	3858601.99	0.11201	0.0281	0.05864	0.0627	0.20374	0.10688	0.0281	0.0281	2.06774862	0.001195612	1.406E-07	0.0058434	0.169034	0.026602	0.004583	0.0044019	2.270605
1529	494861.06	3858601.99	0.10949	0.02628	0.05829	0.06231	0.20371	0.1095	0.0277	0.02628	2.02122843	0.001118173	1.398E-07	0.005807	0.1690091	0.027254	0.004515	0.00411679	2.224815
1530	494911.06	3858601.99	0.1049	0.02592	0.05757	0.06189	0.19731	0.10972	0.0276	0.02592	1.93649523	0.001102856	1.381E-07	0.0057679	0.1636993	0.027309	0.004497	0.0040604	2.134811
1531	494961.06	3858601.99	0.10177	0.02571	0.05689	0.06151	0.19808	0.11343	0.0275	0.02571	1.8787142	0.001093921	1.364E-07	0.0057325	0.1643381	0.028232	0.004492	0.0040275	2.078576
1532	495011.06	3858601.99	0.09846	0.02549	0.05625	0.06098	0.19874	0.11611	0.027	0.02549	1.8176103	0.00108456	1.349E-07	0.0056831	0.1648857	0.028899	0.004404	0.00399304	2.018574
1533	495061.06	3858601.99	0.095	0.02528	0.056	0.05808	0.19372	0.11802	0.0261	0.02528	1.75373734	0.001075625	1.343E-07	0.0054128	0.1607208	0.029375	0.00426	0.00396014	1.950622
1534	495111.06	3858601.99	0.09072	0.02462	0.05515	0.05523	0.18722	0.11987	0.0255	0.02462	1.67472686	0.001047543	1.323E-07	0.0051472	0.1553281	0.029835	0.004156	0.00385675	1.866384
1535	495161.06	3858601.99	0.08998	0.02386	0.05469	0.05456	0.18082	0.12307	0.0253	0.02386	1.66106617	0.001015206	1.312E-07	0.0050848	0.1500183	0.030632	0.004131	0.0037377	1.84821

1536	495211.06	3858601.99	0.08894	0.02366	0.05498	0.05413	0.17455	0.12482	0.0252	0.02366	1.64186736	0.001006697	1.319E-07	0.0050447	0.1448163	0.031067	0.004118	0.00370637	1.824214
1537	495261.06	3858601.99	0.08695	0.0235	0.05417	0.05361	0.16835	0.128	0.0251	0.0235	1.60513118	0.000999889	1.299E-07	0.0049962	0.1396725	0.031859	0.004102	0.0036813	1.783079
1538	495311.06	3858601.99	0.08559	0.02337	0.05408	0.0533	0.16222	0.13266	0.0251	0.02337	1.58002504	0.000994357	1.297E-07	0.0049673	0.1345867	0.033019	0.004092	0.00366094	1.754023
1539	495361.06	3858601.99	0.08498	0.02326	0.05407	0.05309	0.15624	0.13771	0.0251	0.02326	1.5687642	0.000989677	1.297E-07	0.0049478	0.1296254	0.034276	0.004089	0.00364371	1.739048
1540	495411.06	3858601.99	0.08435	0.02315	0.05408	0.05289	0.15036	0.14368	0.025	0.02315	1.55713415	0.000984997	1.297E-07	0.0049291	0.124747	0.035761	0.004087	0.00362648	1.724018
1541	495461.06	3858601.99	0.08392	0.02322	0.05411	0.05273	0.14458	0.15082	0.025	0.02322	1.54919618	0.000987975	1.298E-07	0.0049142	0.1199516	0.037539	0.004087	0.00363744	1.713038
1542	495511.06	3858601.99	0.08286	0.0235	0.05407	0.05239	0.14378	0.16027	0.025	0.0235	1.52962817	0.000999889	1.297E-07	0.0048825	0.1192878	0.039891	0.004077	0.0036813	1.695085
1543	495561.06	3858601.99	0.0831	0.02372	0.05416	0.05232	0.14473	0.17391	0.025	0.02372	1.53405866	0.001009249	1.299E-07	0.004876	0.120076	0.043286	0.004082	0.00371577	1.703672
1544	495611.06	3858601.99	0.08225	0.02346	0.0538	0.05192	0.14493	0.18972	0.0249	0.02346	1.51836733	0.000998187	1.29E-07	0.0048387	0.120242	0.047221	0.004068	0.00367504	1.69206
1545	495661.06	3858601.99	0.08231	0.0233	0.05351	0.0518	0.14568	0.20417	0.0249	0.0233	1.51947495	0.000991379	1.283E-07	0.0048275	0.1208642	0.050817	0.004069	0.00364997	1.697395
1546	494311.06	3858651.99	0.11325	0.03059	0.06182	0.06711	0.20477	0.09707	0.033	0.03059	2.09063951	0.001301557	1.483E-07	0.0062544	0.1698885	0.02416	0.005391	0.00479196	2.292844
1547	494361.06	3858651.99	0.12318	0.03035	0.06667	0.07226	0.22306	0.09753	0.036	0.03035	2.27395122	0.001291346	1.599E-07	0.0067343	0.1850629	0.024275	0.005876	0.00475436	2.492437
1548	494411.06	3858651.99	0.12411	0.03064	0.06754	0.07437	0.24349	0.09779	0.0359	0.03064	2.29111938	0.001303685	1.62E-07	0.006931	0.2020128	0.02434	0.005855	0.00479979	2.526762
1549	494461.06	3858651.99	0.12399	0.03077	0.06904	0.07474	0.26828	0.09956	0.0356	0.03077	2.28890413	0.001309216	1.656E-07	0.0069655	0.2225799	0.02478	0.005814	0.00482016	2.545533
1550	494511.06	3858651.99	0.12383	0.0306	0.06913	0.07302	0.26466	0.10156	0.0353	0.0306	2.28595047	0.001301983	1.658E-07	0.0068052	0.2195766	0.025278	0.005769	0.00479353	2.539887
1551	494561.06	3858651.99	0.12369	0.03049	0.06928	0.07267	0.2643	0.10496	0.0351	0.03049	2.28336602	0.001297302	1.662E-07	0.0067725	0.2192779	0.026124	0.005723	0.0047763	2.537785
1552	494611.06	3858651.99	0.12353	0.03033	0.06921	0.07214	0.26016	0.10562	0.0348	0.03033	2.28041235	0.001290495	1.66E-07	0.0067231	0.2158431	0.026288	0.005675	0.00475123	2.531482
1553	494661.06	3858651.99	0.1233	0.0301	0.06884	0.07177	0.25479	0.10687	0.0345	0.0301	2.27616646	0.001280709	1.651E-07	0.0066887	0.2113879	0.0266	0.005626	0.0047152	2.523035
1554	494711.06	3858651.99	0.12302	0.02978	0.06816	0.07131	0.24444	0.10809	0.0342	0.02978	2.27099755	0.001267093	1.635E-07	0.0066458	0.202801	0.026903	0.005576	0.00466507	2.509526
1555	494761.06	3858651.99	0.12275	0.02953	0.0676	0.07066	0.23071	0.10909	0.0339	0.02953	2.26601325	0.001256456	1.621E-07	0.0065852	0.1914098	0.027152	0.005525	0.00462591	2.493316
1556	494811.06	3858651.99	0.12141	0.02918	0.06653	0.07012	0.2168	0.10979	0.0327	0.02918	2.24127632	0.001241564	1.596E-07	0.0065349	0.1798693	0.027326	0.005342	0.00457108	2.45702
1557	494861.06	3858651.99	0.11735	0.02886	0.0655	0.06659	0.20934	0.11218	0.0304	0.02886	2.16632712	0.001227948	1.571E-07	0.0062059	0.1736801	0.027921	0.004957	0.00452095	2.375799
1558	494911.06	3858651.99	0.1128	0.02804	0.06062	0.06323	0.20102	0.11504	0.0281	0.02804	2.08233234	0.001193059	1.454E-07	0.0058928	0.1667773	0.028633	0.004585	0.0043925	2.285021
1559	494961.06	3858651.99	0.10871	0.02608	0.06081	0.06287	0.1932	0.11675	0.0274	0.02608	2.00682933	0.001109664	1.458E-07	0.0058592	0.1602894	0.029059	0.004479	0.00408546	2.20354
1560	495011.06	3858651.99	0.10563	0.0259	0.06012	0.06253	0.19046	0.11948	0.0274	0.0259	1.94997132	0.001102005	1.442E-07	0.0058275	0.1580162	0.029738	0.004472	0.00405727	2.145071
1561	495061.06	3858651.99	0.10205	0.0257	0.06048	0.06219	0.19159	0.12152	0.0273	0.0257	1.88388311	0.001093495	1.451E-07	0.0057959	0.1589537	0.030246	0.004459	0.00402594	2.080406
1562	495111.06	3858651.99	0.09774	0.02548	0.06005	0.06006	0.1868	0.12363	0.0267	0.02548	1.80431882	0.001084135	1.44E-07	0.0055973	0.1549796	0.030771	0.004361	0.00399147	1.997121
1563	495161.06	3858651.99	0.09517	0.02531	0.0592	0.05839	0.18834	0.12639	0.0259	0.02531	1.75687561	0.001076901	1.42E-07	0.0054417	0.1562573	0.031458	0.004233	0.00396484	1.951377
1564	495211.06	3858651.99	0.09207	0.02465	0.05821	0.05657	0.18927	0.12796	0.0255	0.02465	1.69964839	0.001048819	1.396E-07	0.0052721	0.1570289	0.031849	0.004157	0.00386145	1.895143
1565	495261.06	3858651.99	0.09147	0.02406	0.05775	0.0563	0.19232	0.13277	0.0255	0.02406	1.68857215	0.001023716	1.385E-07	0.0052469	0.1595593	0.033046	0.004154	0.00376903	1.887833
1566	495311.06	3858651.99	0.0901	0.02373	0.05711	0.05589	0.18895	0.13692	0.0254	0.02373	1.66328141	0.001009675	1.37E-07	0.0052087	0.1567634	0.034079	0.004143	0.00371733	1.860768
1567	495361.06	3858651.99	0.09007	0.02361	0.05663	0.05563	0.18282	0.14266	0.0254	0.02361	1.6627276	0.001004569	1.358E-07	0.0051845	0.1516776	0.035508	0.004139	0.00369854	1.856543
1568	495411.06	3858651.99	0.09017	0.0235	0.05623	0.05552	0.1767	0.15122	0.0254	0.0235	1.66457364	0.000999889	1.349E-07	0.0051742	0.1466001	0.037638	0.004141	0.0036813	1.855446
1569	495461.06	3858651.99	0.09044	0.02341	0.05592	0.05606	0.17068	0.16324	0.0254	0.02341	1.66955795	0.000996059	1.341E-07	0.0052246	0.1416056	0.04063	0.004148	0.00366721	1.858495
1570	495511.06	3858651.99	0.09006	0.02325	0.05522	0.05557	0.1647	0.17665	0.0253	0.02325	1.662543	0.000989252	1.324E-07	0.0051789	0.1366442	0.043968	0.004133	0.00364214	1.849814
1571	495561.06	3858651.99	0.08889	0.02315	0.05464	0.05506	0.15876	0.18936	0.0253	0.02315	1.64094434	0.000984997	1.31E-07	0.0051314	0.1317161	0.047131	0.004125	0.00362648	1.826406
1572	495611.06	3858651.99	0.08674	0.0234	0.05388	0.05417	0.15291	0.20406	0.0252	0.0234	1.60125449	0.000995634	1.292E-07	0.0050484	0.1268626	0.05079	0.004107	0.00366564	1.785392
1573	495661.06	3858651.99	0.08626	0.02372	0.05348	0.05413	0.14723	0.21912	0.0252	0.02372	1.5923935	0.001009249	1.283E-07	0.0050447	0.1221502	0.054538	0.004108	0.00371577	1.775529
1574	494311.06	3858701.99	0.12039	0.03121	0.07001	0.06893	0.20593	0.09904	0.0367	0.03121	2.22244672	0.001327937	1.679E-07	0.006424	0.1708509	0.024651	0.005982	0.00488908	2.426794
1575	494361.06	3858701.99	0.12419	0.03216	0.06928	0.07367	0.23145	0.10012	0.0366	0.03216	2.29259621	0.001368358	1.662E-07	0.0068657	0.1920237	0.02492	0.005968	0.0050379	2.518703
1576	494411.06	3858701.99	0.12456	0.0317	0.07168	0.07571	0.25939	0.10224	0.0375	0.0317	2.29942656	0.001348786	1.719E-07	0.0070559	0.2152043	0.025447	0.006121	0.00496584	2.549638
1577	494461.06	3858701.99	0.12452	0.03159	0.07177	0.07521	0.26345	0.10316	0.0366	0.03159	2.29868814	0.001344106	1.721E-07	0.0070093	0.2185727	0.025676	0.005977	0.00494861	2.552319
1578	494511.06	3858701.99	0.12438	0.03161	0.07556	0.07504	0.26676	0.10523	0.0359	0.03161	2.29610369	0.001344957	1.812E-07	0.0069934	0.2213189	0.026191	0.005858	0.00495174	2.552859
1579	494561.06	3858701.99	0.12426	0.03145	0.07503	0.07422	0.2699	0.11	0.0356	0.03145	2.29388844	0.001338149	1.799E-07	0.006917	0.223924	0.027379	0.005813	0.00492668	2.554332
1580	494611.06	3858701.99	0.12398	0.03106	0.07255	0.07355	0.2712	0.10874	0.0353	0.03106	2.28871953	0.001321555	1.74E-07	0.0068546	0.2250025	0.027065	0.00576	0.00486559	2.549858
1581	494661.06	3858701.99	0.1239	0.031	0.07084	0.07366	0.27276	0.11085	0.035	0.031	2.2872427	0.001319002	1.699E-07	0.0068648	0.2262968	0.02759	0.005716	0.00485619	2.550174
1582	494711.06	3858701.99	0.12253	0.03021	0.06707	0.07033	0.23564	0.10941	0.0346	0.03021	2.26195196	0.001285389	1.609E-07	0.0065545	0.1955	0.027232	0.005654	0.00473243	2.493446
1583	494761.06	3858701.99	0.12299	0.03033	0.0659	0.07046	0.25141	0.11848	0.0344	0.03033	2.27044374	0.001290495	1.581E-07	0.0065666	0.2085837	0.029489	0.005615	0.00475123	2.517238
1584	494811.06	3858701.99	0.12202	0.02996	0.06576	0.07054	0.23293	0.12264	0.0341	0.02996	2.25253716	0.001274752	1.577E-07	0.006574	0.1932516	0.030525	0.005561	0.00469327	2.48503
1585	494861.06	3858701.99	0.12121	0.02965	0.06587	0.07062	0.23058	0.11899	0.0335	0.02965	2.23758424	0.001261562	1.58E-07	0.0065815	0.1913019	0.029616	0.005467	0.00464471	2.467167
1586	494911.06	3858701.99	0.1205	0.02939	0.06599	0.07053	0.22706	0.12077	0.0325	0.02939	2.22447736	0.001250499	1.583E-07	0.0065731	0.1883815	0.030059	0.005303	0.00460398	2.451441
1587	494961.06	3858701.99	0.11505	0.0289	0.06563	0.06369	0.20821	0.11802	0.0299	0.0289	2.12386822	0.00122965	1.574E-07	0.0059356	0.1727425	0.029375	0.004874	0.00452722	2.333498
1588	495011.06	3858701.99	0.11108	0.02768	0.0636	0.06312	0.20146	0.12243	0.0278	0.02768	2.05058046	0.001177741	1.525E-07	0.0058825	0.1671424	0.030472	0.004531	0.00433611	2.255451
1589	495061.06	3858701.99	0.10943	0.02612	0.06275	0.06285	0.19783	0.12539	0.0273	0.02612	2.02012081	0.001111366	1.505E-07	0.0058574	0.1641307	0.031209	0.004456	0.00409173	2.222794
1590	495111.06	3858701.99	0.10475	0.02592	0.06121	0.06256	0.1897	0.12936	0.0272	0.02592	1.93372617	0.001102856	1.468E-07	0.0058303	0.1573856	0.032197	0.004443	0.0040604	2.130625
1591	495161.06	3858701.99	0.10255	0.02577	0.06024	0.06229	0.18489	0.13432	0.0273	0.02577	1.89311331	0.001096474	1.445E-07	0.0058052	0.153395	0.033432	0.004448	0.0040369	2.087253
1592	495211.06	3858701.99	0.09941	0.02559	0.05909	0.06114	0.18547	0.13592	0.0267	0.02559	1.83514767	0.001088815	1.417E-07	0.005698	0.1538762	0.03383	0.004357	0.0040087	2.029989

1593	495261.06	3858701.99	0.09887	0.02548	0.05851	0.06103	0.1868	0.14018	0.0261	0.02548	1.82517906	0.001084135	1.403E-07	0.0056877	0.1549796	0.03489	0.004259	0.00399147	2.022088
1594	495311.06	3858701.99	0.09836	0.02501	0.05795	0.06116	0.1849	0.14533	0.0257	0.02501	1.81576426	0.001064137	1.39E-07	0.0056999	0.1534033	0.036172	0.004202	0.00391785	2.012387
1595	495361.06	3858701.99	0.09727	0.0244	0.05727	0.05981	0.18042	0.15498	0.0257	0.0244	1.79564243	0.001038182	1.374E-07	0.005574	0.1496864	0.038574	0.004193	0.00382229	1.990886
1596	495411.06	3858701.99	0.09722	0.0239	0.05683	0.06025	0.18264	0.16572	0.0257	0.0239	1.79471941	0.001016908	1.363E-07	0.0056151	0.1515283	0.041247	0.004198	0.00374396	1.994581
1597	495461.06	3858701.99	0.09647	0.02373	0.05626	0.05945	0.18573	0.17693	0.0257	0.02373	1.78087412	0.001009675	1.349E-07	0.0055405	0.1540919	0.044037	0.004195	0.00371733	1.986031
1598	495511.06	3858701.99	0.09515	0.02357	0.05557	0.05791	0.18828	0.19118	0.0256	0.02357	1.7565064	0.001002867	1.333E-07	0.005397	0.1562075	0.047584	0.004185	0.00369227	1.967191
1599	495561.06	3858701.99	0.09348	0.02341	0.05483	0.05703	0.18471	0.20268	0.0256	0.02341	1.72567754	0.000996059	1.315E-07	0.005315	0.1532456	0.050446	0.004172	0.00366721	1.936186
1600	495611.06	3858701.99	0.09178	0.02324	0.05428	0.05656	0.17871	0.21727	0.0255	0.02324	1.69429487	0.000988826	1.302E-07	0.0052712	0.1482677	0.054078	0.004157	0.00364057	1.903417
1601	495661.06	3858701.99	0.09085	0.0231	0.05356	0.05626	0.17276	0.23385	0.0254	0.0231	1.67712671	0.000982869	1.285E-07	0.0052432	0.1433313	0.058204	0.004153	0.00361864	1.885423
1602	494311.06	3858751.99	0.12143	0.03539	0.07466	0.07332	0.2036	0.1033	0.0372	0.03539	2.24164553	0.00150579	1.791E-07	0.0068331	0.1689178	0.025711	0.006066	0.00554389	2.445135
1603	494361.06	3858751.99	0.12537	0.03548	0.07456	0.08123	0.24877	0.10865	0.0406	0.03548	2.31437948	0.001509619	1.788E-07	0.0075703	0.2063934	0.027043	0.00663	0.00555799	2.557968
1604	494411.06	3858751.99	0.12653	0.03542	0.07769	0.08106	0.27109	0.1114	0.0416	0.03542	2.33579353	0.001507066	1.863E-07	0.0075545	0.2249113	0.027727	0.006795	0.00554859	2.59874
1605	494461.06	3858751.99	0.12649	0.03483	0.07731	0.08023	0.27554	0.11245	0.0409	0.03483	2.33505512	0.001481963	1.854E-07	0.0074771	0.2286032	0.027988	0.00667	0.00545616	2.601819
1606	494511.06	3858751.99	0.12627	0.03287	0.0804	0.07992	0.28117	0.11577	0.0402	0.03287	2.33099383	0.001398568	1.928E-07	0.0074482	0.2332742	0.028815	0.006565	0.00514913	2.603346
1607	494561.06	3858751.99	0.12599	0.03246	0.07106	0.07855	0.2775	0.12065	0.0386	0.03246	2.32582492	0.001381123	1.704E-07	0.0073205	0.2302294	0.030029	0.006306	0.0050849	2.596006
1608	494611.06	3858751.99	0.12524	0.03211	0.07104	0.07772	0.26756	0.12333	0.0368	0.03211	2.31197962	0.001366231	1.704E-07	0.0072432	0.2219826	0.030696	0.006013	0.00503007	2.574251
1609	494661.06	3858751.99	0.12437	0.03185	0.07117	0.07708	0.25743	0.12235	0.0356	0.03185	2.29591908	0.001355168	1.707E-07	0.0071835	0.2135782	0.030452	0.005809	0.00498934	2.549309
1610	494711.06	3858751.99	0.12393	0.03136	0.07099	0.07535	0.25351	0.11839	0.0353	0.03136	2.28779651	0.00133432	1.703E-07	0.0070223	0.2103259	0.029467	0.005755	0.00491258	2.536789
1611	494761.06	3858751.99	0.1233	0.03127	0.07049	0.0735	0.2558	0.12699	0.035	0.03127	2.27616646	0.00133049	1.691E-07	0.0068499	0.2122258	0.031607	0.005706	0.00489848	2.528988
1612	494811.06	3858751.99	0.12231	0.03085	0.07033	0.06837	0.25693	0.13511	0.0346	0.03085	2.25789067	0.00131262	1.687E-07	0.0063718	0.2131633	0.033628	0.005653	0.00483269	2.513187
1613	494861.06	3858751.99	0.12141	0.03047	0.06966	0.06714	0.24375	0.13131	0.0343	0.03047	2.24127632	0.001296452	1.671E-07	0.0062572	0.2022285	0.032683	0.0056	0.00477316	2.484568
1614	494911.06	3858751.99	0.12036	0.03006	0.06786	0.06646	0.22465	0.12866	0.034	0.03006	2.22189291	0.001279007	1.628E-07	0.0061938	0.1863821	0.032023	0.005548	0.00470894	2.44861
1615	494961.06	3858751.99	0.1196	0.02976	0.06637	0.0661	0.21964	0.12459	0.0331	0.02976	2.20786301	0.001266242	1.592E-07	0.0061602	0.1822255	0.03101	0.005403	0.00466194	2.429266
1616	495011.06	3858751.99	0.11908	0.02955	0.0652	0.06625	0.21654	0.13113	0.0322	0.02955	2.1982636	0.001257307	1.564E-07	0.0061742	0.1796536	0.032638	0.005254	0.00462904	2.418612
1617	495061.06	3858751.99	0.11703	0.02925	0.06373	0.06561	0.21126	0.13721	0.0297	0.02925	2.1604198	0.001244542	1.528E-07	0.0061146	0.175273	0.034151	0.004851	0.00458205	2.377472
1618	495111.06	3858751.99	0.11267	0.0278	0.06214	0.06442	0.20587	0.14311	0.0279	0.0278	2.07993248	0.001182847	1.49E-07	0.0060037	0.1708011	0.03562	0.004557	0.0043549	2.293742
1619	495161.06	3858751.99	0.11025	0.02622	0.06103	0.06357	0.20072	0.14267	0.0272	0.02622	2.03525833	0.001115621	1.464E-07	0.0059245	0.1665284	0.03551	0.004445	0.00410739	2.244674
1620	495211.06	3858751.99	0.10707	0.02605	0.05979	0.06258	0.19541	0.14602	0.0272	0.02605	1.97655428	0.001108387	1.434E-07	0.0058322	0.162123	0.036344	0.004438	0.00408076	2.182319
1621	495261.06	3858751.99	0.10628	0.02594	0.05909	0.06215	0.19322	0.15252	0.0272	0.02594	1.96197057	0.001103707	1.417E-07	0.0057921	0.160306	0.037962	0.004443	0.00406353	2.167514
1622	495311.06	3858751.99	0.10574	0.02583	0.05847	0.0618	0.19118	0.15974	0.0271	0.02583	1.95200196	0.001099027	1.402E-07	0.0057595	0.1586135	0.039759	0.004423	0.0040463	2.15761
1623	495361.06	3858751.99	0.10466	0.02571	0.05795	0.06148	0.18812	0.16837	0.0265	0.02571	1.93206474	0.001093921	1.39E-07	0.0057297	0.1560748	0.041907	0.004321	0.0040275	2.137163
1624	495411.06	3858751.99	0.10482	0.02543	0.05823	0.06128	0.1866	0.17798	0.026	0.02543	1.9350184	0.001082007	1.397E-07	0.005711	0.1548137	0.044299	0.004249	0.00398364	2.141189
1625	495461.06	3858751.99	0.10396	0.02485	0.05829	0.06108	0.18343	0.19067	0.026	0.02485	1.91914246	0.001057329	1.398E-07	0.0056924	0.1521837	0.047457	0.004246	0.00389278	2.125886
1626	495511.06	3858751.99	0.10253	0.02424	0.05599	0.06088	0.18348	0.20165	0.0259	0.02424	1.8927441	0.001031375	1.343E-07	0.0056738	0.1522252	0.05019	0.004234	0.00379723	2.102301
1627	495561.06	3858751.99	0.10087	0.02371	0.05554	0.06066	0.18469	0.21633	0.0259	0.02371	1.86209985	0.001008824	1.332E-07	0.0056533	0.153229	0.053844	0.004221	0.0037142	2.076342
1628	495611.06	3858751.99	0.09919	0.02353	0.05509	0.06045	0.1835	0.23116	0.0258	0.02353	1.83108639	0.001001165	1.321E-07	0.0056337	0.1522418	0.057535	0.004208	0.003686	2.04802
1629	495661.06	3858751.99	0.09787	0.02338	0.05467	0.06024	0.17846	0.25115	0.0257	0.02338	1.80671867	0.000994783	1.311E-07	0.0056141	0.1480603	0.06251	0.0042	0.00366251	2.024436
1630	494311.06	3858801.99	0.12282	0.03574	0.07397	0.08237	0.20177	0.11566	0.0439	0.03574	2.26730547	0.001520682	1.774E-07	0.0076765	0.1673996	0.028787	0.007158	0.00559871	2.474249
1631	494361.06	3858801.99	0.12567	0.03582	0.07866	0.08704	0.247	0.12006	0.0447	0.03582	2.31991759	0.001524086	1.887E-07	0.0081118	0.2049249	0.029883	0.007295	0.00561125	2.566044
1632	494411.06	3858801.99	0.12621	0.03573	0.0766	0.08716	0.25858	0.12433	0.0446	0.03573	2.32988621	0.001520256	1.837E-07	0.008123	0.2145323	0.030945	0.007285	0.00559715	2.586695
1633	494461.06	3858801.99	0.12642	0.0356	0.07631	0.08754	0.26688	0.12435	0.0444	0.0356	2.33376289	0.001514725	1.83E-07	0.0081584	0.2214184	0.03095	0.007254	0.00557678	2.597482
1634	494511.06	3858801.99	0.12627	0.03544	0.07646	0.08785	0.27361	0.12722	0.0441	0.03544	2.33099383	0.001507917	1.834E-07	0.0081873	0.227002	0.031665	0.00719	0.00555172	2.600994
1635	494561.06	3858801.99	0.12607	0.03525	0.07647	0.08689	0.27694	0.13054	0.0431	0.03525	2.32730175	0.001499833	1.834E-07	0.0080978	0.2297648	0.032491	0.007029	0.00552196	2.600662
1636	494611.06	3858801.99	0.12569	0.03353	0.0753	0.08535	0.27806	0.13658	0.0417	0.03353	2.3202868	0.00142665	1.806E-07	0.0079543	0.230694	0.033994	0.006813	0.00525252	2.595917
1637	494661.06	3858801.99	0.12504	0.03315	0.07438	0.08306	0.27604	0.13693	0.04	0.03315	2.30828755	0.001410481	1.784E-07	0.0077408	0.2290181	0.034081	0.006524	0.00519299	2.58187
1638	494711.06	3858801.99	0.12433	0.03268	0.07395	0.08046	0.27226	0.13948	0.038	0.03268	2.29518067	0.001390484	1.774E-07	0.0074985	0.225882	0.034716	0.006196	0.00511936	2.565745
1639	494761.06	3858801.99	0.12326	0.03217	0.0734	0.07933	0.26414	0.14637	0.0357	0.03217	2.27542805	0.001368784	1.76E-07	0.0073932	0.2191452	0.036431	0.005831	0.00503947	2.540557
1640	494811.06	3858801.99	0.12218	0.03167	0.0723	0.07519	0.24788	0.14328	0.0352	0.03167	2.25549082	0.00134751	1.734E-07	0.0070074	0.205655	0.035662	0.005742	0.00496114	2.505944
1641	494861.06	3858801.99	0.12161	0.03138	0.07078	0.07275	0.23931	0.13862	0.0349	0.03138	2.2449684	0.001335171	1.698E-07	0.00678	0.1985448	0.034502	0.005693	0.00491572	2.486908
1642	494911.06	3858801.99	0.12068	0.03098	0.06889	0.07033	0.23879	0.14168	0.0346	0.03098	2.22780023	0.001318151	1.652E-07	0.0065545	0.1981134	0.035264	0.005641	0.00485305	2.469838
1643	494961.06	3858801.99	0.11998	0.03066	0.06736	0.0684	0.23782	0.14659	0.0343	0.03066	2.21487796	0.001304536	1.616E-07	0.0063746	0.1973086	0.036486	0.005591	0.00480293	2.457139
1644	495011.06	3858801.99	0.11921	0.03034	0.06538	0.06641	0.22545	0.1512	0.0339	0.03034	2.20066345	0.00129092	1.568E-07	0.0061891	0.1870458	0.037633	0.005538	0.0047528	2.433608
1645	495061.06	3858801.99	0.11873	0.03012	0.0638	0.06491	0.21967	0.15403	0.033	0.03012	2.19180247	0.00128156	1.53E-07	0.0060493	0.1822504	0.038338	0.005393	0.00471833	2.420396
1646	495111.06	3858801.99	0.11766	0.02972	0.06283	0.06262	0.21293	0.15611	0.0312	0.02972	2.17204985	0.00126454	1.507E-07	0.0058359	0.1766585	0.038855	0.005088	0.00465567	2.395096
1647	495161.06	3858801.99	0.1163	0.02942	0.06185	0.06207	0.20861	0.15582	0.0294	0.02942	2.14694371	0.001251776	1.483E-07	0.0057847	0.1730744	0.038783	0.004796	0.00460868	2.366025
1648	495211.06	3858801.99	0.11447	0.02797	0.06123	0.06132	0.20648	0.15903	0.0281	0.02797	2.11316119	0.00119008	1.469E-07	0.0057148	0.1713072	0.039582	0.00459	0.00438153	2.331164
1649	495261.06	3858801.99	0.11371	0.02647	0.06078	0.06151	0.20561	0.16522	0.0273	0.02647	2.09913129	0.001126258	1.458E-07	0.0057325	0.1705854	0.041123	0.004448	0.00414656	2.318

1650	495311.06	3858801.99	0.1133	0.02629	0.06056	0.06179	0.20499	0.17377	0.0273	0.02629	2.09156253	0.001118599	1.452E-07	0.0057586	0.1700711	0.043251	0.004451	0.00411836	2.312095
1651	495361.06	3858801.99	0.11228	0.02617	0.06041	0.06193	0.20495	0.18259	0.0273	0.02617	2.07273293	0.001113493	1.449E-07	0.0057716	0.1700379	0.045446	0.004458	0.00409956	2.29546
1652	495411.06	3858801.99	0.11291	0.02609	0.06048	0.06242	0.20371	0.19053	0.0273	0.02609	2.08436298	0.001110089	1.451E-07	0.0058173	0.1690091	0.047422	0.004463	0.00408703	2.308098
1653	495461.06	3858801.99	0.11172	0.02597	0.06025	0.06251	0.20105	0.20214	0.027	0.02597	2.06239511	0.001104983	1.445E-07	0.0058257	0.1668022	0.050312	0.004407	0.00406823	2.286779
1654	495511.06	3858801.99	0.10991	0.02577	0.05989	0.06245	0.19741	0.2174	0.0268	0.02577	2.0289818	0.001096474	1.436E-07	0.0058201	0.1637823	0.05411	0.004379	0.0040369	2.254133
1655	495561.06	3858801.99	0.10846	0.02515	0.05956	0.06246	0.19407	0.23546	0.0269	0.02515	2.00221423	0.001070094	1.428E-07	0.005821	0.1610112	0.058605	0.004388	0.00393978	2.22917
1656	495611.06	3858801.99	0.10621	0.02448	0.05909	0.06227	0.18937	0.25604	0.0266	0.02448	1.96067835	0.001041586	1.417E-07	0.0058033	0.1571118	0.063727	0.004347	0.00383482	2.188875
1657	495661.06	3858801.99	0.10519	0.02394	0.05878	0.062	0.18621	0.28359	0.0267	0.02394	1.94184874	0.00101861	1.41E-07	0.0057781	0.1544901	0.070585	0.004365	0.00375023	2.174335
1658	494311.06	3858851.99	0.12778	0.04053	0.08022	0.09588	0.25481	0.13882	0.0463	0.04053	2.35886902	0.001724489	1.924E-07	0.0089356	0.2114045	0.034552	0.007562	0.00634907	2.616699
1659	494361.06	3858851.99	0.13094	0.04067	0.08108	0.09802	0.29786	0.14155	0.0481	0.04067	2.41720387	0.001730446	1.945E-07	0.0091351	0.2471211	0.035231	0.007858	0.00637101	2.711909
1660	494411.06	3858851.99	0.12969	0.03828	0.08092	0.09537	0.30152	0.14188	0.0478	0.03828	2.39412837	0.001628755	1.941E-07	0.0088881	0.2501577	0.035313	0.007794	0.00599661	2.691914
1661	494461.06	3858851.99	0.12897	0.03815	0.08084	0.09324	0.30325	0.1431	0.0472	0.03815	2.38083689	0.001623224	1.939E-07	0.0086896	0.251593	0.035617	0.007708	0.00597624	2.680091
1662	494511.06	3858851.99	0.12755	0.03794	0.08058	0.09099	0.3045	0.14311	0.0471	0.03794	2.35462313	0.001614288	1.933E-07	0.0084799	0.2526301	0.03562	0.007685	0.00594335	2.654709
1663	494561.06	3858851.99	0.12603	0.03738	0.08026	0.09032	0.30538	0.14721	0.0462	0.03738	2.32656334	0.001590461	1.925E-07	0.0084175	0.2533602	0.03664	0.007544	0.00585562	2.62826
1664	494611.06	3858851.99	0.12535	0.03655	0.07978	0.08906	0.30494	0.153	0.045	0.03655	2.31401027	0.001555146	1.913E-07	0.0083	0.2529951	0.038081	0.007342	0.0057256	2.616558
1665	494661.06	3858851.99	0.12478	0.03516	0.07807	0.08734	0.2804	0.15739	0.0435	0.03516	2.30348784	0.001496004	1.872E-07	0.0081397	0.2326354	0.039174	0.007096	0.00550786	2.586521
1666	494711.06	3858851.99	0.12422	0.03362	0.07518	0.08538	0.26051	0.15732	0.0414	0.03362	2.29315002	0.001430479	1.803E-07	0.0079571	0.2161335	0.039156	0.006764	0.00526661	2.559325
1667	494761.06	3858851.99	0.124	0.03308	0.07329	0.08421	0.2569	0.16115	0.0394	0.03308	2.28908874	0.001407503	1.758E-07	0.007848	0.2131385	0.04011	0.006425	0.00518202	2.552835
1668	494811.06	3858851.99	0.12382	0.03265	0.07243	0.08305	0.25404	0.16185	0.0374	0.03265	2.28576587	0.001389207	1.737E-07	0.0077399	0.2107656	0.040284	0.006111	0.00511466	2.546941
1669	494861.06	3858851.99	0.1224	0.03237	0.07166	0.08021	0.2535	0.16908	0.0359	0.03237	2.25955211	0.001377294	1.719E-07	0.0074752	0.2103176	0.042083	0.005853	0.0050708	2.521588
1670	494911.06	3858851.99	0.12096	0.03198	0.06994	0.0767	0.25028	0.16853	0.0351	0.03198	2.23296914	0.0013607	1.677E-07	0.0071481	0.2076461	0.041947	0.005736	0.00500971	2.491797
1671	494961.06	3858851.99	0.12028	0.03164	0.06923	0.07489	0.24129	0.16791	0.0348	0.03164	2.22041608	0.001346233	1.66E-07	0.0069794	0.2001875	0.041792	0.005685	0.00495644	2.47145
1672	495011.06	3858851.99	0.11972	0.03136	0.06846	0.07334	0.23355	0.16844	0.0345	0.03136	2.21007826	0.00133432	1.642E-07	0.006835	0.193766	0.041924	0.005636	0.00491258	2.454662
1673	495061.06	3858851.99	0.11902	0.03103	0.06713	0.07156	0.22533	0.17373	0.0342	0.03103	2.19715598	0.001320279	1.61E-07	0.0066691	0.1869462	0.043241	0.005584	0.00486089	2.436056
1674	495111.06	3858851.99	0.11765	0.03047	0.06527	0.06871	0.2156	0.16769	0.0336	0.03047	2.17186524	0.001296452	1.565E-07	0.0064035	0.1788737	0.041737	0.005484	0.00477316	2.400888
1675	495161.06	3858851.99	0.11692	0.03017	0.064	0.067	0.21042	0.17116	0.0326	0.03017	2.15838915	0.001283687	1.535E-07	0.0062441	0.1745761	0.042601	0.005318	0.00472617	2.383686
1676	495211.06	3858851.99	0.11703	0.03015	0.06339	0.06652	0.2125	0.17601	0.0319	0.03015	2.1604198	0.001282836	1.52E-07	0.0061994	0.1763018	0.043808	0.005212	0.00472303	2.388501
1677	495261.06	3858851.99	0.11687	0.03004	0.06256	0.06565	0.21324	0.18069	0.0306	0.03004	2.15746614	0.001278156	1.5E-07	0.0061183	0.1769157	0.044973	0.004992	0.0047058	2.387037
1678	495311.06	3858851.99	0.11688	0.02882	0.06185	0.065	0.21744	0.18768	0.0297	0.02882	2.15765074	0.001226247	1.483E-07	0.0060577	0.1804003	0.046713	0.00485	0.00451469	2.392383
1679	495361.06	3858851.99	0.11677	0.02729	0.06104	0.06418	0.21898	0.19803	0.0298	0.02729	2.1556201	0.001161147	1.464E-07	0.0059813	0.1816779	0.049289	0.004863	0.00427501	2.394317
1680	495411.06	3858851.99	0.11666	0.02654	0.06022	0.06335	0.22021	0.2093	0.0293	0.02654	2.15358945	0.001129236	1.444E-07	0.005904	0.1826984	0.052094	0.004776	0.00415752	2.396034
1681	495461.06	3858851.99	0.11659	0.02643	0.05976	0.06259	0.22213	0.22134	0.0287	0.02643	2.15229723	0.001124556	1.433E-07	0.0058331	0.1842913	0.055091	0.004678	0.00414029	2.399175
1682	495511.06	3858851.99	0.11662	0.02624	0.05894	0.06123	0.21404	0.23438	0.0279	0.02624	2.15285104	0.001116472	1.414E-07	0.0057064	0.1775794	0.058336	0.004552	0.00411053	2.396032
1683	495561.06	3858851.99	0.11485	0.02613	0.05844	0.05996	0.20894	0.25624	0.0273	0.02613	2.12017614	0.001111791	1.402E-07	0.005588	0.1733482	0.063777	0.004461	0.0040933	2.364369
1684	495611.06	3858851.99	0.11236	0.0259	0.05772	0.05945	0.20601	0.27912	0.0273	0.0259	2.07420976	0.001102005	1.384E-07	0.0055405	0.1709173	0.069472	0.004458	0.00405727	2.321642
1685	495661.06	3858851.99	0.1118	0.02537	0.05728	0.05964	0.20232	0.31863	0.0273	0.02537	2.06387194	0.001079454	1.374E-07	0.0055582	0.1678559	0.079306	0.004461	0.00397424	2.318158
1686	494311.06	3858901.99	0.13358	0.04202	0.08266	0.10257	0.27978	0.15047	0.0499	0.04202	2.4659393	0.001787886	1.982E-07	0.0095591	0.232121	0.037451	0.008139	0.00658248	2.748415
1687	494361.06	3858901.99	0.13543	0.04277	0.08312	0.10611	0.29842	0.15822	0.0501	0.04277	2.50009103	0.001819798	1.993E-07	0.009889	0.2475858	0.03938	0.008184	0.00669997	2.800251
1688	494411.06	3858901.99	0.1343	0.0428	0.08175	0.10608	0.30637	0.16088	0.0499	0.0428	2.47923079	0.001821074	1.961E-07	0.0098862	0.2541815	0.040042	0.008152	0.00670467	2.786609
1689	494461.06	3858901.99	0.13288	0.04247	0.08343	0.10465	0.31344	0.15788	0.05	0.04247	2.45301703	0.001807033	2.001E-07	0.0097529	0.2600472	0.039296	0.008161	0.00665298	2.765429
1690	494511.06	3858901.99	0.13141	0.03995	0.08294	0.10225	0.30045	0.16133	0.0497	0.03995	2.42588025	0.001699811	1.989E-07	0.0095293	0.24927	0.040154	0.008112	0.00625822	2.728388
1691	494561.06	3858901.99	0.12901	0.03871	0.08218	0.09843	0.29569	0.1707	0.0483	0.03871	2.38157531	0.001647051	1.971E-07	0.0091733	0.2453208	0.042487	0.007887	0.00606397	2.682027
1692	494611.06	3858901.99	0.12608	0.03725	0.08118	0.09409	0.29751	0.1748	0.0474	0.03725	2.32748636	0.00158493	1.947E-07	0.0087688	0.2468308	0.043507	0.00774	0.00583526	2.630083
1693	494661.06	3858901.99	0.1244	0.0366	0.08042	0.09276	0.29911	0.18372	0.0463	0.0366	2.29647289	0.001557274	1.929E-07	0.0086448	0.2481582	0.045727	0.007564	0.00573343	2.602391
1694	494711.06	3858901.99	0.12392	0.03524	0.07845	0.09139	0.30025	0.1873	0.0447	0.03524	2.28761191	0.001499408	1.881E-07	0.0085172	0.249104	0.046618	0.007298	0.00552039	2.595129
1695	494761.06	3858901.99	0.12369	0.03413	0.07582	0.09007	0.27704	0.19075	0.0427	0.03413	2.28336602	0.001452179	1.818E-07	0.0083942	0.2298477	0.047477	0.006971	0.00534651	2.572162
1696	494811.06	3858901.99	0.12361	0.03372	0.07547	0.08885	0.25585	0.19772	0.0412	0.03372	2.28188918	0.001434734	1.81E-07	0.0082805	0.2122673	0.049212	0.006723	0.00528228	2.554525
1697	494861.06	3858901.99	0.12356	0.03343	0.07448	0.08768	0.24409	0.20582	0.0398	0.03343	2.28096616	0.001422395	1.786E-07	0.0081714	0.2025106	0.051228	0.006498	0.00523685	2.54556
1698	494911.06	3858901.99	0.12334	0.03285	0.07136	0.08278	0.23962	0.19733	0.0376	0.03285	2.27690488	0.001397717	1.711E-07	0.0077148	0.198802	0.049115	0.006131	0.00514599	2.534919
1699	494961.06	3858901.99	0.12243	0.03254	0.06993	0.07971	0.23925	0.19305	0.0359	0.03254	2.26010592	0.001384527	1.677E-07	0.0074286	0.198495	0.048049	0.005866	0.00509743	2.516233
1700	495011.06	3858901.99	0.12006	0.03223	0.06855	0.07651	0.23864	0.19792	0.0351	0.03223	2.21635479	0.001371337	1.644E-07	0.0071304	0.197989	0.049262	0.005728	0.00504887	2.472786
1701	495061.06	3858901.99	0.11875	0.0318	0.06635	0.07436	0.23504	0.19502	0.0348	0.0318	2.19217167	0.001353041	1.591E-07	0.00693	0.1950022	0.04854	0.005675	0.00498151	2.444691
1702	495111.06	3858901.99	0.11742	0.03121	0.06317	0.0718	0.22032	0.18089	0.0344	0.03121	2.16761935	0.001327937	1.515E-07	0.0066915	0.1827897	0.045023	0.005618	0.00488908	2.404181
1703	495161.06	3858901.99	0.11706	0.03101	0.06257	0.07095	0.21621	0.18879	0.0341	0.03101	2.16097361	0.001319428	1.501E-07	0.0066122	0.1793798	0.046989	0.005569	0.00485775	2.395986
1704	495211.06	3858901.99	0.11738	0.03108	0.06338	0.07123	0.22087	0.1984	0.0338	0.03108	2.16688094	0.001322406	1.52E-07	0.0066383	0.183246	0.049381	0.005524	0.00486872	2.408124
1705	495261.06	3858901.99	0.11734	0.031	0.06231	0.07084	0.22029	0.20364	0.0331	0.031	2.16614252	0.001319002	1.494E-07	0.006602	0.1827648	0.050685	0.005408	0.00485619	2.408065
1706	495311.06	3858901.99	0.11718	0.03089	0.06203	0.07021	0.21864	0.21697	0.0324	0.03089	2.16318886	0.001314322	1.488E-07	0.0065433	0.1813958	0.054003	0.005284	0.00483896	2.40689

1707	495361.06	3858901.99	0.11705	0.03079	0.06231	0.06961	0.22137	0.23155	0.0314	0.03079	2.16078901	0.001310067	1.494E-07	0.0064874	0.1836608	0.057632	0.005124	0.00482329	2.41018
1708	495411.06	3858901.99	0.11711	0.02961	0.06265	0.06932	0.22448	0.23532	0.03	0.02961	2.16189663	0.00125986	1.503E-07	0.0064603	0.186241	0.05857	0.004898	0.00463844	2.414688
1709	495461.06	3858901.99	0.11686	0.02795	0.06283	0.06844	0.22693	0.24261	0.03	0.02795	2.15728153	0.001189229	1.507E-07	0.0063783	0.1882737	0.060385	0.004902	0.0043784	2.414031
1710	495511.06	3858901.99	0.11644	0.02672	0.06255	0.06723	0.22894	0.25994	0.0296	0.02672	2.14952817	0.001136895	1.5E-07	0.0062656	0.1899413	0.064698	0.004825	0.00418572	2.41221
1711	495561.06	3858901.99	0.1161	0.02658	0.06191	0.06617	0.23107	0.28343	0.0288	0.02658	2.14325163	0.001130938	1.485E-07	0.0061668	0.1917085	0.070545	0.004708	0.00416379	2.413346
1712	495611.06	3858901.99	0.11561	0.02642	0.06093	0.06483	0.22997	0.31617	0.0282	0.02642	2.13420604	0.00112413	1.461E-07	0.0060419	0.1907958	0.078694	0.004597	0.00413873	2.411319
1713	495661.06	3858901.99	0.11559	0.02631	0.06099	0.06428	0.23314	0.36674	0.0287	0.02631	2.13383683	0.00111945	1.463E-07	0.0059906	0.1934258	0.09128	0.004686	0.00412149	2.426218
1714	494311.06	3858951.99	0.14199	0.04299	0.08342	0.10983	0.33878	0.14843	0.0548	0.04299	2.62119121	0.001829158	2.001E-07	0.0102357	0.2810706	0.036944	0.008945	0.00673444	2.953481
1715	494361.06	3858951.99	0.14148	0.04382	0.08373	0.10842	0.33817	0.15629	0.0537	0.04382	2.61177641	0.001864473	2.008E-07	0.0101043	0.2805646	0.0389	0.00876	0.00686446	2.945106
1716	494411.06	3858951.99	0.1393	0.04414	0.08353	0.10691	0.32487	0.16445	0.0529	0.04414	2.57153275	0.001878089	2.003E-07	0.0099636	0.2695301	0.040931	0.00864	0.00691458	2.895561
1717	494461.06	3858951.99	0.1379	0.04433	0.08482	0.10819	0.3255	0.18437	0.0524	0.04433	2.5456882	0.001886173	2.034E-07	0.0100829	0.2700528	0.045889	0.008547	0.00694435	2.875202
1718	494511.06	3858951.99	0.13597	0.04411	0.08335	0.10838	0.31772	0.20578	0.0511	0.04411	2.51005964	0.001876812	1.999E-07	0.0101006	0.2635981	0.051218	0.008336	0.00690989	2.838279
1719	494561.06	3858951.99	0.13352	0.04283	0.08284	0.10761	0.31494	0.20419	0.0505	0.04283	2.46483168	0.00182235	1.987E-07	0.0100288	0.2612917	0.050822	0.008238	0.00670937	2.790326
1720	494611.06	3858951.99	0.13041	0.03954	0.08223	0.10348	0.31049	0.21302	0.0495	0.03954	2.40741986	0.001682366	1.972E-07	0.0096439	0.2575997	0.05302	0.008086	0.00619399	2.731258
1721	494661.06	3858951.99	0.12738	0.03768	0.08083	0.09949	0.29538	0.22874	0.0484	0.03768	2.35148487	0.001603226	1.939E-07	0.0092721	0.2450636	0.056933	0.007895	0.00590262	2.666349
1722	494711.06	3858951.99	0.12353	0.0359	0.07823	0.098	0.28886	0.23389	0.047	0.0359	2.28041235	0.00152749	1.876E-07	0.0091332	0.2396542	0.058214	0.007677	0.00562378	2.590995
1723	494761.06	3858951.99	0.12319	0.03532	0.07713	0.09657	0.28961	0.23033	0.0457	0.03532	2.27413582	0.001502812	1.85E-07	0.0089999	0.2402765	0.057328	0.007456	0.00553292	2.584167
1724	494811.06	3858951.99	0.12317	0.03511	0.07618	0.09519	0.2869	0.23463	0.0445	0.03511	2.27376661	0.001493876	1.827E-07	0.0088713	0.2380281	0.058399	0.007267	0.00550002	2.582326
1725	494861.06	3858951.99	0.12314	0.03452	0.07522	0.09387	0.28362	0.24521	0.0433	0.03452	2.2732128	0.001468773	1.804E-07	0.0087483	0.2353069	0.061032	0.00706	0.0054076	2.581421
1726	494911.06	3858951.99	0.12303	0.03406	0.07415	0.09149	0.27428	0.23107	0.0415	0.03406	2.27118216	0.0014492	1.778E-07	0.0085265	0.2275579	0.057513	0.006781	0.00533554	2.567673
1727	494961.06	3858951.99	0.12304	0.0338	0.07249	0.08965	0.25944	0.25118	0.0403	0.0338	2.27136676	0.001438138	1.739E-07	0.008355	0.2152458	0.062518	0.006576	0.00529481	2.560205
1728	495011.06	3858951.99	0.12279	0.03309	0.06925	0.08319	0.22511	0.23152	0.0378	0.03309	2.26675166	0.001407928	1.661E-07	0.007753	0.1867637	0.057625	0.006168	0.00518359	2.521286
1729	495061.06	3858951.99	0.1202	0.03246	0.06853	0.0769	0.21951	0.22233	0.0353	0.03246	2.21893924	0.001381123	1.644E-07	0.0071668	0.1821176	0.055337	0.005762	0.0050849	2.465619
1730	495111.06	3858951.99	0.11715	0.03197	0.0681	0.07185	0.216	0.2108	0.035	0.03197	2.16263505	0.001360274	1.633E-07	0.0066961	0.1792056	0.052467	0.005708	0.00500814	2.403065
1731	495161.06	3858951.99	0.11831	0.03213	0.06856	0.07319	0.22481	0.22546	0.0347	0.03213	2.1840491	0.001367082	1.644E-07	0.006821	0.1865148	0.056116	0.005671	0.0050332	2.435506
1732	495211.06	3858951.99	0.1184	0.03206	0.06866	0.07257	0.22911	0.24656	0.0345	0.03206	2.18571054	0.001364104	1.647E-07	0.0067632	0.1900823	0.061368	0.005626	0.00502224	2.445893
1733	495261.06	3858951.99	0.11842	0.03199	0.06801	0.07268	0.23303	0.24039	0.0342	0.03199	2.18607974	0.001361125	1.631E-07	0.0067735	0.1933346	0.059832	0.005582	0.00501127	2.447952
1734	495311.06	3858951.99	0.11715	0.03174	0.06719	0.07189	0.23295	0.25261	0.0339	0.03174	2.16263505	0.001350488	1.611E-07	0.0066999	0.1932682	0.062874	0.005533	0.00497211	2.427389
1735	495361.06	3858951.99	0.11716	0.03169	0.06657	0.07199	0.23686	0.27294	0.0335	0.03169	2.16281965	0.001348361	1.597E-07	0.0067092	0.1965122	0.067934	0.005468	0.00496428	2.435827
1736	495411.06	3858951.99	0.11737	0.03169	0.06598	0.0722	0.23923	0.27902	0.0329	0.03169	2.16669633	0.001348361	1.582E-07	0.0067287	0.1984784	0.069447	0.00537	0.00496428	2.443105
1737	495461.06	3858951.99	0.11708	0.03156	0.06529	0.07182	0.23674	0.28636	0.0321	0.03156	2.16134282	0.001342829	1.566E-07	0.0066933	0.1964126	0.071274	0.005243	0.00494391	2.437365
1738	495511.06	3858951.99	0.11706	0.03024	0.06468	0.0717	0.23621	0.30572	0.0304	0.03024	2.16097361	0.001286665	1.551E-07	0.0066821	0.1959729	0.076093	0.004967	0.00473713	2.441238
1739	495561.06	3858951.99	0.11638	0.02822	0.06382	0.07017	0.22524	0.32827	0.03	0.02822	2.14842054	0.001200717	1.531E-07	0.0065396	0.1868716	0.081705	0.004903	0.0044207	2.425221
1740	495611.06	3858951.99	0.11598	0.02687	0.06308	0.06922	0.21852	0.37033	0.0298	0.02687	2.14103639	0.001143277	1.513E-07	0.006451	0.1812963	0.092174	0.004864	0.00420922	2.422756
1741	495661.06	3858951.99	0.11598	0.02677	0.0625	0.069	0.2191	0.4356	0.0296	0.02677	2.14103639	0.001139022	1.499E-07	0.0064305	0.1817775	0.108419	0.004825	0.00419355	2.439434
1742	494311.06	3859001.99	0.14807	0.04353	0.09252	0.11573	0.35017	0.17288	0.058	0.04353	2.7334304	0.001852134	2.219E-07	0.0107856	0.2905204	0.043029	0.009466	0.00681903	3.082265
1743	494361.06	3859001.99	0.14646	0.04403	0.09104	0.11447	0.35975	0.17019	0.0574	0.04403	2.70370917	0.001873409	2.183E-07	0.0106681	0.2984685	0.04236	0.009363	0.00689735	3.059545
1744	494411.06	3859001.99	0.14456	0.04476	0.09503	0.11315	0.37256	0.16838	0.0567	0.04476	2.66863442	0.001904469	2.279E-07	0.0105451	0.3090964	0.041909	0.009255	0.00701171	3.034333
1745	494461.06	3859001.99	0.1427	0.04514	0.09379	0.1118	0.38159	0.18435	0.0547	0.04514	2.63429809	0.001920637	2.249E-07	0.0104193	0.3165882	0.045884	0.008927	0.00707124	3.010966
1746	494511.06	3859001.99	0.14086	0.04552	0.0925	0.11044	0.36759	0.20766	0.0545	0.04552	2.60033096	0.001936806	2.218E-07	0.0102926	0.304973	0.051686	0.008894	0.00713076	2.970983
1747	494561.06	3859001.99	0.13807	0.04494	0.08995	0.10899	0.34375	0.22638	0.0532	0.04494	2.54882647	0.001912128	2.157E-07	0.0101574	0.285194	0.056345	0.008677	0.00703991	2.904073
1748	494611.06	3859001.99	0.13534	0.04438	0.08759	0.10755	0.32729	0.24661	0.0516	0.04438	2.49842959	0.001888301	2.101E-07	0.0100232	0.2715379	0.06138	0.008414	0.00695218	2.844722
1749	494661.06	3859001.99	0.13215	0.04193	0.08488	0.10608	0.30904	0.26606	0.0499	0.04193	2.43954094	0.001784057	2.036E-07	0.0098862	0.2563967	0.066221	0.008148	0.00656839	2.77541
1750	494711.06	3859001.99	0.1284	0.0384	0.08263	0.10294	0.29368	0.29428	0.0485	0.0384	2.37031447	0.001633861	1.982E-07	0.0095936	0.2436532	0.073245	0.007912	0.00601541	2.700337
1751	494761.06	3859001.99	0.12565	0.0363	0.08086	0.09895	0.28408	0.29864	0.0479	0.0363	2.31954839	0.001544509	1.939E-07	0.0092217	0.2356885	0.07433	0.007819	0.00568644	2.642466
1752	494811.06	3859001.99	0.12362	0.03605	0.07968	0.09838	0.28599	0.31247	0.0472	0.03605	2.28207379	0.001533872	1.911E-07	0.0091686	0.2372731	0.077773	0.007704	0.00564728	2.609879
1753	494861.06	3859001.99	0.12249	0.03562	0.07756	0.09723	0.28202	0.31245	0.046	0.03562	2.26121354	0.001515576	1.86E-07	0.0090614	0.2339794	0.077768	0.007515	0.00557992	2.585473
1754	494911.06	3859001.99	0.12242	0.03518	0.07533	0.09587	0.27715	0.30645	0.0447	0.03518	2.25992132	0.001496855	1.807E-07	0.0089347	0.229939	0.076274	0.007295	0.00551099	2.57835
1755	494961.06	3859001.99	0.12236	0.03473	0.07302	0.09439	0.27119	0.34123	0.0432	0.03473	2.25881369	0.001477708	1.751E-07	0.0087968	0.2249942	0.084931	0.00705	0.0054405	2.580623
1756	495011.06	3859001.99	0.12192	0.03358	0.06853	0.08489	0.23463	0.29519	0.0398	0.03358	2.25069112	0.001428777	1.644E-07	0.0079114	0.194662	0.073472	0.006495	0.00526035	2.5294
1757	495061.06	3859001.99	0.12196	0.03333	0.06714	0.08318	0.23442	0.27435	0.0386	0.03333	2.25142954	0.00141814	1.61E-07	0.007752	0.1944878	0.068285	0.006297	0.00522119	2.524449
1758	495111.06	3859001.99	0.12185	0.03285	0.06591	0.07887	0.21134	0.26659	0.0366	0.03285	2.24939889	0.001397717	1.581E-07	0.0073504	0.1753394	0.066353	0.005981	0.00514599	2.500675
1759	495161.06	3859001.99	0.12218	0.03315	0.06549	0.08218	0.22518	0.32045	0.0369	0.03315	2.25549082	0.001410481	1.571E-07	0.0076588	0.1868218	0.079759	0.006018	0.00519299	2.531966
1760	495211.06	3859001.99	0.12225	0.03301	0.06472	0.08071	0.21763	0.3237	0.0358	0.03301	2.25678305	0.001404525	1.552E-07	0.0075218	0.1805579	0.080568	0.005847	0.00517106	2.527511
1761	495261.06	3859001.99	0.12236	0.03297	0.06429	0.07959	0.22264	0.34113	0.035	0.03297	2.25881369	0.001402823	1.542E-07	0.0074175	0.1847145	0.084906	0.00571	0.00516479	2.5378
1762	495311.06	3859001.99	0.1224	0.03281	0.06351	0.07683	0.22582	0.34744	0.0345	0.03281	2.25955211	0.001396015	1.523E-07	0.0071602	0.1873528	0.086477	0.005635	0.00513973	2.542433
1763	495361.06	3859001.99	0.12248	0.03275	0.06323	0.07434	0.23054	0.35399	0.0343	0.03275	2.26102894	0.001393462	1.516E-07	0.0069282	0.1912687	0.088107	0.005592	0.00513033	2.549188

1764	495411.06	3859001.99	0.12253	0.03265	0.06271	0.07342	0.23417	0.36276	0.034	0.03265	2.26195196	0.001389207	1.504E-07	0.0068424	0.1942804	0.09029	0.005547	0.00511466	2.555186
1765	495461.06	3859001.99	0.12258	0.03251	0.06232	0.07281	0.23796	0.38075	0.0337	0.03251	2.26287498	0.00138325	1.495E-07	0.0067856	0.1974248	0.094767	0.005502	0.00509273	2.563646
1766	495511.06	3859001.99	0.12138	0.03224	0.06083	0.07126	0.23758	0.3941	0.0332	0.03224	2.24072251	0.001371762	1.459E-07	0.0066411	0.1971095	0.09809	0.005414	0.00505044	2.544299
1767	495561.06	3859001.99	0.12018	0.03197	0.06086	0.07097	0.23891	0.42499	0.0323	0.03197	2.21857004	0.001360274	1.46E-07	0.0066141	0.198213	0.105779	0.005274	0.00500814	2.530802
1768	495611.06	3859001.99	0.11878	0.0302	0.06089	0.07055	0.23964	0.4549	0.0304	0.0302	2.19272549	0.001284963	1.46E-07	0.006575	0.1988186	0.113223	0.004961	0.00473087	2.512857
1769	495661.06	3859001.99	0.11994	0.02884	0.06093	0.07128	0.24521	0.55198	0.0307	0.02884	2.21413954	0.001227098	1.461E-07	0.006643	0.2034398	0.137386	0.005006	0.00451782	2.563324
1770	494311.06	3859051.99	0.15334	0.04404	0.09841	0.1195	0.35788	0.16642	0.0587	0.04404	2.83071667	0.001873834	2.36E-07	0.0111369	0.2969171	0.041421	0.009586	0.00689892	3.184754
1771	494361.06	3859051.99	0.1516	0.04479	0.10289	0.11862	0.36176	0.19367	0.0591	0.04479	2.79859559	0.001905745	2.468E-07	0.0110549	0.3001361	0.048204	0.00964	0.00701641	3.16252
1772	494411.06	3859051.99	0.14955	0.04505	0.1017	0.11762	0.36048	0.20648	0.0591	0.04505	2.76075178	0.001916808	2.439E-07	0.0109617	0.2990742	0.051392	0.009639	0.00705714	3.126678
1773	494461.06	3859051.99	0.1474	0.04525	0.10024	0.11656	0.35747	0.23339	0.0583	0.04525	2.72106193	0.001925318	2.404E-07	0.0108629	0.2965769	0.05809	0.009508	0.00708847	3.090937
1774	494511.06	3859051.99	0.14501	0.04535	0.09834	0.11543	0.35212	0.26451	0.0572	0.04535	2.6769416	0.001929573	2.359E-07	0.0107576	0.2921382	0.065836	0.009343	0.00710413	3.049842
1775	494561.06	3859051.99	0.14277	0.04552	0.09668	0.11426	0.35704	0.26943	0.0552	0.04552	2.63559031	0.001936806	2.319E-07	0.0106486	0.2962201	0.06706	0.009007	0.00713076	3.013332
1776	494611.06	3859051.99	0.14015	0.04554	0.0944	0.11302	0.35887	0.28568	0.0546	0.04554	2.58722409	0.001937657	2.264E-07	0.010533	0.2977384	0.071105	0.008917	0.0071339	2.970321
1777	494661.06	3859051.99	0.13734	0.04503	0.09014	0.11175	0.35345	0.31442	0.0533	0.04503	2.53535038	0.001915957	2.162E-07	0.0104146	0.2932417	0.078258	0.008698	0.007054	2.920825
1778	494711.06	3859051.99	0.13457	0.04444	0.0867	0.11044	0.3307	0.35945	0.0517	0.04444	2.48421509	0.001890853	2.079E-07	0.0102926	0.274367	0.089466	0.008434	0.00696158	2.861704
1779	494761.06	3859051.99	0.13164	0.04108	0.08522	0.10835	0.30908	0.40723	0.0499	0.04108	2.43012614	0.001747891	2.044E-07	0.0100978	0.2564299	0.101358	0.008145	0.00643523	2.80147
1780	494811.06	3859051.99	0.12924	0.03817	0.08406	0.10483	0.29786	0.46745	0.0483	0.03817	2.3858212	0.001624075	2.016E-07	0.0097697	0.2471211	0.116347	0.007882	0.00597938	2.762586
1781	494861.06	3859051.99	0.12677	0.03677	0.08295	0.10112	0.28431	0.46157	0.0481	0.03677	2.34022403	0.001564507	1.989E-07	0.009424	0.2358793	0.114883	0.007848	0.00576007	2.704063
1782	494911.06	3859051.99	0.12336	0.03621	0.08057	0.09627	0.2747	0.49525	0.0469	0.03621	2.27727409	0.00154068	1.932E-07	0.008972	0.2279063	0.123266	0.007649	0.00567234	2.640936
1783	494961.06	3859051.99	0.12128	0.03541	0.07593	0.08998	0.25856	0.49458	0.0449	0.03541	2.23887647	0.001506641	1.821E-07	0.0083858	0.2145157	0.123099	0.007334	0.00554702	2.588171
1784	495011.06	3859051.99	0.12118	0.03476	0.07452	0.08842	0.24294	0.47045	0.0432	0.03476	2.23703043	0.001478984	1.787E-07	0.0082404	0.2015565	0.117093	0.007056	0.0054452	2.567011
1785	495061.06	3859051.99	0.1212	0.0344	0.07347	0.08767	0.23279	0.46392	0.0419	0.0344	2.23739964	0.001463667	1.762E-07	0.0081705	0.1931355	0.115468	0.006833	0.0053888	2.557081
1786	495111.06	3859051.99	0.1213	0.03416	0.07248	0.08764	0.23464	0.45403	0.0408	0.03416	2.23924568	0.001453455	1.738E-07	0.0081677	0.1946703	0.113007	0.006665	0.00535121	2.557857
1787	495161.06	3859051.99	0.12158	0.03417	0.07215	0.08929	0.25461	0.47252	0.0407	0.03417	2.24441459	0.001453881	1.73E-07	0.0083215	0.2112385	0.117609	0.006635	0.00535277	2.58432
1788	495211.06	3859051.99	0.12163	0.03395	0.07104	0.08865	0.25366	0.46769	0.0394	0.03395	2.24533761	0.00144452	1.704E-07	0.0082618	0.2104504	0.116406	0.00643	0.00531831	2.583012
1789	495261.06	3859051.99	0.12183	0.03378	0.07063	0.08896	0.26134	0.49711	0.0388	0.03378	2.24902968	0.001437287	1.694E-07	0.0082907	0.2168221	0.123729	0.00634	0.00529168	2.600357
1790	495311.06	3859051.99	0.12191	0.03356	0.0695	0.08672	0.26066	0.50569	0.0377	0.03356	2.25050652	0.001427926	1.667E-07	0.0080819	0.216258	0.125865	0.00615	0.00525721	2.603032
1791	495361.06	3859051.99	0.12202	0.03336	0.06866	0.08472	0.25407	0.51603	0.0367	0.03336	2.25253716	0.001419417	1.647E-07	0.0078956	0.2107905	0.128438	0.00599	0.00522588	2.601846
1792	495411.06	3859051.99	0.12216	0.03316	0.06801	0.0826	0.25031	0.5445	0.0359	0.03316	2.25512161	0.001410907	1.631E-07	0.007698	0.207671	0.135524	0.005853	0.00519455	2.608085
1793	495461.06	3859051.99	0.12228	0.03296	0.06733	0.07972	0.24567	0.57495	0.035	0.03296	2.25733686	0.001402397	1.615E-07	0.0074296	0.2038214	0.143103	0.005706	0.00516322	2.613637
1794	495511.06	3859051.99	0.12224	0.0327	0.06632	0.0763	0.22858	0.59011	0.034	0.0327	2.25659845	0.001391335	1.591E-07	0.0071108	0.1896426	0.146876	0.005555	0.00512249	2.602052
1795	495561.06	3859051.99	0.12223	0.03245	0.06609	0.07464	0.23024	0.64004	0.0337	0.03245	2.25641384	0.001380697	1.585E-07	0.0069561	0.1910198	0.159304	0.005506	0.00508333	2.615497
1796	495611.06	3859051.99	0.12223	0.0322	0.06509	0.07314	0.23199	0.68197	0.0334	0.0322	2.25641384	0.00137006	1.561E-07	0.0068163	0.1924717	0.16974	0.005457	0.00504417	2.627225
1797	495661.06	3859051.99	0.12237	0.03201	0.06418	0.07318	0.23806	0.81643	0.0329	0.03201	2.2589983	0.001361976	1.539E-07	0.0068201	0.1975078	0.203207	0.005369	0.00501441	2.668249
1798	494311.06	3859101.99	0.15847	0.04489	0.11174	0.12069	0.35498	0.18908	0.0585	0.04489	2.92541849	0.00191	2.68E-07	0.0112478	0.2945111	0.047061	0.009542	0.00703207	3.282659
1799	494361.06	3859101.99	0.1565	0.04515	0.11152	0.12029	0.35746	0.18996	0.0586	0.04515	2.88905151	0.001921063	2.675E-07	0.0112105	0.2965686	0.04728	0.00957	0.0070728	3.24853
1800	494411.06	3859101.99	0.15467	0.04549	0.1103	0.1198	0.36003	0.21087	0.0588	0.04549	2.85526899	0.001935529	2.645E-07	0.0111649	0.2987008	0.052485	0.009599	0.00712606	3.222029
1801	494461.06	3859101.99	0.15257	0.04563	0.10639	0.11879	0.35959	0.2057	0.0589	0.04563	2.81650217	0.001941486	2.552E-07	0.0110707	0.2983358	0.051198	0.009613	0.007148	3.181513
1802	494511.06	3859101.99	0.15013	0.04557	0.10238	0.11821	0.35582	0.23147	0.0589	0.04557	2.77145881	0.001938933	2.455E-07	0.0110167	0.295208	0.057612	0.009609	0.0071386	3.139705
1803	494561.06	3859101.99	0.14791	0.04567	0.10092	0.11759	0.35292	0.26407	0.0585	0.04567	2.73047674	0.001943188	2.42E-07	0.0109589	0.292802	0.065726	0.009554	0.00715426	3.104307
1804	494611.06	3859101.99	0.14511	0.0455	0.0985	0.11668	0.34551	0.31257	0.0567	0.0455	2.67878763	0.001935955	2.362E-07	0.0108741	0.2866542	0.077798	0.00926	0.00712763	3.058182
1805	494661.06	3859101.99	0.14287	0.04563	0.09701	0.11576	0.3411	0.36608	0.0554	0.04563	2.63743635	0.001941486	2.327E-07	0.0107884	0.2829954	0.091116	0.009048	0.007148	3.026178
1806	494711.06	3859101.99	0.13965	0.04539	0.09412	0.11435	0.33042	0.46087	0.0545	0.04539	2.57799389	0.001931274	2.257E-07	0.0106569	0.2741347	0.114709	0.008901	0.0071104	2.981216
1807	494761.06	3859101.99	0.13799	0.04543	0.09335	0.11373	0.33267	0.55612	0.0535	0.04543	2.54734964	0.001932976	2.239E-07	0.0105992	0.2760014	0.138416	0.008736	0.00711666	2.975919
1808	494811.06	3859101.99	0.13543	0.04388	0.09115	0.11214	0.33424	0.67534	0.0522	0.04388	2.50009103	0.001867026	2.186E-07	0.010451	0.277304	0.16809	0.008514	0.00687386	2.959443
1809	494861.06	3859101.99	0.13299	0.04076	0.08829	0.11004	0.32654	0.80513	0.0506	0.04076	2.45504767	0.001734275	2.117E-07	0.0102553	0.2709157	0.200394	0.008251	0.0063851	2.940213
1810	494911.06	3859101.99	0.12974	0.03746	0.08428	0.10552	0.30113	0.84953	0.0484	0.03746	2.39505139	0.001593865	2.021E-07	0.009834	0.2498341	0.211445	0.007907	0.00586815	2.869797
1811	494961.06	3859101.99	0.12486	0.03646	0.07948	0.09925	0.27044	0.84898	0.0468	0.03646	2.30496468	0.001551317	1.906E-07	0.0092497	0.224372	0.211308	0.007637	0.0057115	2.753372
1812	495011.06	3859101.99	0.12048	0.03557	0.07408	0.09258	0.2558	0.8148	0.0448	0.03557	2.22410815	0.001513449	1.777E-07	0.0086281	0.2122258	0.202801	0.007306	0.00557208	2.651011
1813	495061.06	3859101.99	0.12021	0.03553	0.07448	0.0905	0.26005	0.86605	0.0445	0.03553	2.21912385	0.001511747	1.786E-07	0.0084342	0.2157519	0.215557	0.00727	0.00556582	2.662083
1814	495111.06	3859101.99	0.12033	0.03468	0.07343	0.08707	0.25255	0.90118	0.0437	0.03468	2.22133909	0.001475581	1.761E-07	0.0081146	0.2095295	0.224301	0.007128	0.00543266	2.666455
1815	495161.06	3859101.99	0.12068	0.03455	0.07535	0.08593	0.25203	0.94403	0.0432	0.03455	2.22780023	0.001470049	1.807E-07	0.0080083	0.209098	0.234966	0.007048	0.0054123	2.682979
1816	495211.06	3859101.99	0.12079	0.03434	0.07439	0.08617	0.24906	0.9906	0.0422	0.03434	2.22983088	0.001461114	1.784E-07	0.0080307	0.206634	0.246557	0.00688	0.0053794	2.694014
1817	495261.06	3859101.99	0.12102	0.03416	0.07496	0.08736	0.25872	1.01304	0.0414	0.03416	2.23407677	0.001453455	1.798E-07	0.0081416	0.2146484	0.252142	0.006758	0.00535121	2.711869
1818	495311.06	3859101.99	0.12126	0.03399	0.07246	0.08759	0.26298	1.04673	0.0404	0.03399	2.23850726	0.001446222	1.738E-07	0.008163	0.2181828	0.260528	0.006599	0.00532457	2.728102
1819	495361.06	3859101.99	0.12141	0.03379	0.07362	0.08924	0.27022	1.06215	0.0399	0.03379	2.24127632	0.001437712	1.766E-07	0.0083168	0.2241895	0.264366	0.006506	0.00529324	2.740799
1820	495411.06	3859101.99	0.12158	0.0336	0.07293	0.08998	0.27485	1.07826	0.0391	0.0336	2.24441459	0.001429628	1.749E-07	0.0083858	0.2280308	0.268375	0.006381	0.00526348	2.751753

1821	495461.06	3859101.99	0.12175	0.03339	0.07125	0.08969	0.27391	1.09457	0.038	0.03339	2.24755285	0.001420693	1.709E-07	0.0083587	0.2272509	0.272435	0.006196	0.00523058	2.757984
1822	495511.06	3859101.99	0.12185	0.03317	0.07108	0.08652	0.27628	1.13655	0.0372	0.03317	2.24939889	0.001411332	1.705E-07	0.0080633	0.2292172	0.282883	0.006066	0.00519612	2.771844
1823	495561.06	3859101.99	0.1218	0.03291	0.07063	0.08171	0.27607	1.17672	0.0361	0.03291	2.24847587	0.00140027	1.694E-07	0.007615	0.229043	0.292882	0.005891	0.00515539	2.780151
1824	495611.06	3859101.99	0.12182	0.03267	0.06972	0.07773	0.26134	1.18449	0.0347	0.03267	2.24884508	0.001390058	1.672E-07	0.0072441	0.2168221	0.294816	0.005662	0.0051178	2.769662
1825	495661.06	3859101.99	0.12195	0.03246	0.06912	0.07726	0.25614	1.30653	0.0338	0.03246	2.25124493	0.001381123	1.658E-07	0.0072003	0.2125079	0.325191	0.005517	0.0050849	2.797958
1826	494311.06	3859151.99	0.16364	0.04551	0.11584	0.12938	0.33929	0.20164	0.0593	0.04551	3.02085872	0.00193638	2.778E-07	0.0120577	0.2814938	0.050188	0.009686	0.0071292	3.369091
1827	494361.06	3859151.99	0.16181	0.04586	0.11296	0.12874	0.3451	0.21828	0.0593	0.04586	2.9870762	0.001951272	2.709E-07	0.011998	0.2863141	0.054329	0.009671	0.00718402	3.344156
1828	494411.06	3859151.99	0.15964	0.04587	0.10937	0.12539	0.34723	0.2376	0.0589	0.04587	2.94701715	0.001951698	2.623E-07	0.0116858	0.2880812	0.059138	0.009619	0.00718559	3.310307
1829	494461.06	3859151.99	0.15749	0.04588	0.10591	0.12207	0.34847	0.24525	0.0586	0.04588	2.9073273	0.001952123	2.54E-07	0.0113764	0.28911	0.061042	0.009562	0.00718716	3.273183
1830	494511.06	3859151.99	0.15512	0.04573	0.10259	0.11891	0.34716	0.2746	0.0582	0.04573	2.86357617	0.001945741	2.46E-07	0.0110819	0.2880232	0.068347	0.009498	0.00716366	3.235309
1831	494561.06	3859151.99	0.15312	0.04589	0.10193	0.1186	0.34808	0.311	0.0582	0.04589	2.82665538	0.001952549	2.445E-07	0.011053	0.2887864	0.077407	0.009506	0.00718872	3.208172
1832	494611.06	3859151.99	0.15068	0.04577	0.10023	0.1145	0.34486	0.36771	0.0582	0.04577	2.78161202	0.001947443	2.404E-07	0.0106709	0.2861149	0.091522	0.009493	0.00716993	3.174191
1833	494661.06	3859151.99	0.14863	0.04591	0.09932	0.1122	0.34376	0.43274	0.0582	0.04591	2.74376822	0.0019534	2.382E-07	0.0104566	0.2852023	0.107708	0.009497	0.00719186	3.151393
1834	494711.06	3859151.99	0.1467	0.04612	0.09855	0.11231	0.34273	0.53292	0.0567	0.04612	2.70813966	0.001962335	2.364E-07	0.0104668	0.2843478	0.132642	0.009252	0.00722475	3.139586
1835	494761.06	3859151.99	0.14391	0.04591	0.0959	0.11121	0.33536	0.73191	0.0559	0.04591	2.65663516	0.0019534	2.3E-07	0.0103643	0.2782332	0.18217	0.009123	0.00719186	3.131287
1836	494811.06	3859151.99	0.14128	0.04584	0.09177	0.11044	0.32876	1.20836	0.0544	0.04584	2.60808433	0.001950421	2.201E-07	0.0102926	0.2727575	0.300757	0.008881	0.00718089	3.195542
1837	494861.06	3859151.99	0.13917	0.04587	0.08909	0.11029	0.32473	1.68184	0.0532	0.04587	2.5691329	0.001951698	2.137E-07	0.0102786	0.269414	0.418604	0.00868	0.00718559	3.270877
1838	494911.06	3859151.99	0.13593	0.04281	0.08418	0.10899	0.31416	1.88993	0.0516	0.04281	2.50932123	0.001821499	2.019E-07	0.0101574	0.2606445	0.470397	0.008416	0.00670624	3.254052
1839	494961.06	3859151.99	0.1319	0.03861	0.07947	0.10427	0.29885	1.91776	0.0486	0.03861	2.43492584	0.001642796	1.906E-07	0.0097175	0.2479425	0.477324	0.007936	0.0060483	3.173441
1840	495011.06	3859151.99	0.12673	0.0367	0.07715	0.0991	0.28346	1.99483	0.0469	0.0367	2.33948561	0.001561528	1.85E-07	0.0092357	0.2351741	0.496506	0.007652	0.0057491	3.083867
1841	495061.06	3859151.99	0.12563	0.03659	0.07685	0.0997	0.27876	2.03064	0.0464	0.03659	2.31917918	0.001556848	1.843E-07	0.0092916	0.2312747	0.505419	0.007579	0.00573187	3.068569
1842	495111.06	3859151.99	0.12413	0.03641	0.07647	0.09697	0.26719	2.06643	0.0459	0.03641	2.29148859	0.001549189	1.834E-07	0.0090372	0.2216756	0.514327	0.007495	0.00570367	3.03987
1843	495161.06	3859151.99	0.12422	0.03653	0.07626	0.09576	0.26834	2.06994	0.0454	0.03653	2.29315002	0.001554295	1.829E-07	0.0089244	0.2226297	0.515201	0.007415	0.00572247	3.043153
1844	495211.06	3859151.99	0.12288	0.03507	0.07595	0.09302	0.26075	2.19999	0.0445	0.03507	2.2684131	0.001492174	1.822E-07	0.0086691	0.2163326	0.54757	0.007265	0.00549376	3.044249
1845	495261.06	3859151.99	0.12157	0.03463	0.07564	0.0903	0.25679	2.00445	0.0436	0.03463	2.24422998	0.001473453	1.814E-07	0.0084156	0.2130472	0.498901	0.007118	0.00542483	2.967761
1846	495311.06	3859151.99	0.12045	0.03451	0.07533	0.08775	0.26066	2.00909	0.0428	0.03451	2.22355434	0.001468347	1.807E-07	0.0081779	0.216258	0.500056	0.00698	0.00540603	2.951088
1847	495361.06	3859151.99	0.12048	0.0343	0.07502	0.08508	0.26425	2.07294	0.0419	0.0343	2.22410815	0.001459412	1.799E-07	0.0079291	0.2192364	0.515948	0.006839	0.00537314	2.970147
1848	495411.06	3859151.99	0.12082	0.03473	0.07472	0.08669	0.26769	1.95133	0.0413	0.03473	2.23038469	0.001477708	1.792E-07	0.0080791	0.2220904	0.485679	0.006748	0.0054405	2.949019
1849	495461.06	3859151.99	0.12101	0.03456	0.07441	0.08761	0.27072	1.9679	0.0405	0.03456	2.23389216	0.001470475	1.785E-07	0.0081649	0.2246043	0.489804	0.006616	0.00541387	2.959137
1850	495511.06	3859151.99	0.12106	0.03385	0.07409	0.08754	0.27335	1.96841	0.0395	0.03385	2.23481518	0.001440265	1.777E-07	0.0081584	0.2267863	0.489931	0.006444	0.00530264	2.962272
1851	495561.06	3859151.99	0.12115	0.03338	0.07377	0.0878	0.27576	1.94427	0.0386	0.03338	2.23647662	0.001420268	1.769E-07	0.0081826	0.2287858	0.483922	0.006294	0.00522902	2.959853
1852	495611.06	3859151.99	0.12125	0.03314	0.07345	0.08814	0.27785	1.90708	0.0377	0.03314	2.23832266	0.001410056	1.762E-07	0.0082143	0.2305197	0.474666	0.006152	0.00519142	2.954093
1853	495661.06	3859151.99	0.12136	0.03291	0.07313	0.08464	0.27969	1.87563	0.0369	0.03291	2.2403533	0.00140027	1.754E-07	0.0078881	0.2320463	0.466838	0.00602	0.00515539	2.949391
1854	494311.06	3859201.99	0.16337	0.0468	0.11868	0.14088	0.40997	0.25824	0.0618	0.0468	3.01587441	0.001991268	2.846E-07	0.0131294	0.3401338	0.064275	0.010092	0.00733128	3.438165
1855	494361.06	3859201.99	0.16282	0.04645	0.11842	0.13876	0.38059	0.28373	0.0618	0.04645	3.0057212	0.001976376	2.84E-07	0.0129319	0.3157585	0.070619	0.010089	0.00727645	3.40982
1856	494411.06	3859201.99	0.16226	0.0465	0.11477	0.13522	0.34921	0.31535	0.0618	0.0465	2.99538338	0.001978503	2.753E-07	0.0126019	0.2897239	0.07849	0.010079	0.00728428	3.380973
1857	494461.06	3859201.99	0.16168	0.04632	0.11011	0.12998	0.32924	0.32687	0.0597	0.04632	2.98467635	0.001970845	2.641E-07	0.0121136	0.2731557	0.081357	0.009746	0.00725608	3.355764
1858	494511.06	3859201.99	0.16062	0.0464	0.10684	0.12685	0.33301	0.3683	0.0595	0.0464	2.96510833	0.001974248	2.562E-07	0.0118219	0.2762835	0.091669	0.009704	0.00726862	3.349292
1859	494561.06	3859201.99	0.15832	0.04617	0.10228	0.12139	0.33318	0.45972	0.059	0.04617	2.92264943	0.001964462	2.453E-07	0.011313	0.2764246	0.114423	0.009624	0.00723259	3.329166
1860	494611.06	3859201.99	0.15618	0.04614	0.09885	0.11755	0.33414	0.50725	0.0586	0.04614	2.88314419	0.001963186	2.371E-07	0.0109552	0.277221	0.126253	0.00956	0.00722789	3.301869
1861	494661.06	3859201.99	0.1542	0.04624	0.09839	0.11718	0.33562	0.57776	0.0583	0.04624	2.84659261	0.001967441	2.36E-07	0.0109207	0.2784489	0.143803	0.00951	0.00724355	3.283999
1862	494711.06	3859201.99	0.1522	0.04635	0.09783	0.11704	0.33628	0.70518	0.0579	0.04635	2.80967182	0.001972121	2.346E-07	0.0109076	0.2789965	0.175517	0.009457	0.00726078	3.279262
1863	494761.06	3859201.99	0.14971	0.04616	0.09615	0.11217	0.33254	0.9478	0.0573	0.04616	2.76370544	0.001964037	2.306E-07	0.0104538	0.2758936	0.235904	0.009358	0.00723102	3.290048
1864	494811.06	3859201.99	0.14734	0.04611	0.09493	0.10656	0.32941	1.41559	0.0568	0.04611	2.71995431	0.001961909	2.277E-07	0.009931	0.2732968	0.352336	0.009265	0.00722319	3.359521
1865	494861.06	3859201.99	0.14492	0.04584	0.09265	0.10572	0.32447	1.22918	0.0551	0.04584	2.67528016	0.001950421	2.222E-07	0.0098527	0.2691983	0.305939	0.008994	0.00718089	3.264033
1866	494911.06	3859201.99	0.14141	0.04564	0.09015	0.1043	0.31494	0.95044	0.0535	0.04564	2.61048418	0.001941912	2.162E-07	0.0097203	0.2612917	0.236561	0.008733	0.00714956	3.121583
1867	494961.06	3859201.99	0.13766	0.04413	0.08413	0.10281	0.30396	0.95292	0.0518	0.04413	2.54125771	0.001877663	2.018E-07	0.0095815	0.252182	0.237179	0.008447	0.00691302	3.043612
1868	495011.06	3859201.99	0.13243	0.03973	0.07991	0.09978	0.28713	0.9619	0.0497	0.03973	2.44470985	0.00169045	1.917E-07	0.0092991	0.2382189	0.239414	0.008112	0.00622375	2.935221
1869	495061.06	3859201.99	0.1332	0.03818	0.081	0.10248	0.29605	0.96934	0.048	0.03818	2.45892435	0.0016245	1.943E-07	0.0095507	0.2456195	0.241265	0.007827	0.00598094	2.958831
1870	495111.06	3859201.99	0.13226	0.03779	0.08241	0.10326	0.29698	0.94034	0.0479	0.03779	2.44157158	0.001607906	1.976E-07	0.0096234	0.246391	0.234047	0.007825	0.00591985	2.935147
1871	495161.06	3859201.99	0.1311	0.03769	0.08326	0.10386	0.29633	0.91595	0.0477	0.03769	2.42015753	0.001603651	1.997E-07	0.0096793	0.2458518	0.227977	0.007781	0.00590418	2.907146
1872	495211.06	3859201.99	0.12933	0.03744	0.08254	0.10202	0.29829	0.90129	0.0472	0.03744	2.38748263	0.001593014	1.98E-07	0.0095078	0.2474779	0.224328	0.007699	0.00586502	2.872224
1873	495261.06	3859201.99	0.12844	0.0374	0.08397	0.10002	0.2941	0.89859	0.0463	0.0374	2.37105288	0.001591312	2.014E-07	0.0093215	0.2440016	0.223656	0.007551	0.00585876	2.851316
1874	495311.06	3859201.99	0.12724	0.03608	0.08458	0.09758	0.28906	0.86741	0.0451	0.03608	2.34890041	0.001535148	2.029E-07	0.0090941	0.2398202	0.215895	0.00736	0.00565198	2.816953
1875	495361.06	3859201.99	0.12615	0.03589	0.08552	0.09527	0.28226	0.8781	0.0442	0.03589	2.32877858	0.001527064	2.051E-07	0.0088788	0.2341785	0.218556	0.007211	0.00562221	2.793508
1876	495411.06	3859201.99	0.12554	0.03572	0.08524	0.09358	0.27522	0.89986	0.0436	0.03572	2.31751774	0.001519831	2.044E-07	0.0087213	0.2283377	0.223972	0.007112	0.00559558	2.781585
1877	495461.06	3859201.99	0.12407	0.03553	0.08352	0.09075	0.27287	0.94453	0.0427	0.03553	2.29038096	0.001511747	2.003E-07	0.0084575	0.2263881	0.23509	0.006965	0.00556582	2.763228

1878	495511.06	3859201.99	0.12261	0.03534	0.08185	0.08795	0.27133	0.92929	0.0418	0.03534	2.26342879	0.001503662	1.963E-07	0.0081966	0.2251104	0.231297	0.006821	0.00553605	2.730822
1879	495561.06	3859201.99	0.12045	0.03513	0.07929	0.08424	0.27143	0.94688	0.0407	0.03513	2.22355434	0.001494727	1.902E-07	0.0078508	0.2251934	0.235675	0.00664	0.00550316	2.694906
1880	495611.06	3859201.99	0.1204	0.0349	0.07729	0.08372	0.26819	0.88098	0.0397	0.0349	2.22263132	0.001484941	1.854E-07	0.0078024	0.2225053	0.219273	0.006483	0.00546713	2.674713
1881	495661.06	3859201.99	0.12056	0.03467	0.07572	0.08444	0.26715	0.72669	0.0389	0.03467	2.22558499	0.001475155	1.816E-07	0.0078695	0.2216424	0.180871	0.006346	0.0054311	2.638358
1882	494311.06	3859251.99	0.16097	0.04806	0.11758	0.14487	0.48295	0.29742	0.0618	0.04806	2.97156947	0.002044879	2.82E-07	0.0135013	0.4006821	0.074027	0.010092	0.00752866	3.464389
1883	494361.06	3859251.99	0.16009	0.04718	0.11313	0.14301	0.4729	0.33458	0.0619	0.04718	2.95532432	0.002007436	2.713E-07	0.0133279	0.392344	0.083276	0.010096	0.0073908	3.448985
1884	494411.06	3859251.99	0.15914	0.0469	0.10826	0.1401	0.43514	0.34798	0.0619	0.0469	2.93778695	0.001995523	2.596E-07	0.0130567	0.3610162	0.086611	0.010096	0.00734694	3.403215
1885	494461.06	3859251.99	0.16031	0.04694	0.10419	0.13848	0.40312	0.35976	0.0618	0.04694	2.95938561	0.001997225	2.499E-07	0.0129058	0.3344507	0.089543	0.010091	0.00735321	3.40102
1886	494511.06	3859251.99	0.15976	0.04663	0.1025	0.13333	0.36486	0.40673	0.0604	0.04663	2.94923239	0.001984035	2.458E-07	0.0124258	0.3027081	0.101234	0.009852	0.00730465	3.370132
1887	494561.06	3859251.99	0.1591	0.04665	0.09873	0.1294	0.33363	0.46327	0.0601	0.04665	2.93704853	0.001984886	2.368E-07	0.0120595	0.2767979	0.115306	0.009805	0.00730778	3.345695
1888	494611.06	3859251.99	0.15836	0.0465	0.09442	0.12418	0.31384	0.54976	0.0597	0.0465	2.92338784	0.001978503	2.265E-07	0.0115731	0.260379	0.136833	0.00974	0.00728428	3.336608
1889	494661.06	3859251.99	0.15761	0.04671	0.09478	0.12191	0.3186	0.60848	0.0595	0.04671	2.90954255	0.001987438	2.273E-07	0.0113615	0.2643282	0.151449	0.009707	0.00731718	3.341059
1890	494711.06	3859251.99	0.15678	0.04678	0.09466	0.11856	0.32155	0.69075	0.0592	0.04678	2.89422042	0.001990417	2.27E-07	0.0110493	0.2667757	0.171925	0.009658	0.00732814	3.348291
1891	494761.06	3859251.99	0.15487	0.04597	0.09172	0.11484	0.3164	0.84024	0.0583	0.04597	2.85896107	0.001955953	2.2E-07	0.0107026	0.262503	0.209133	0.009511	0.00720126	3.345566
1892	494811.06	3859251.99	0.15311	0.04647	0.0928	0.1151	0.32056	1.15616	0.0581	0.04647	2.82647078	0.001977227	2.226E-07	0.0107268	0.2659543	0.287764	0.00949	0.00727958	3.395104
1893	494861.06	3859251.99	0.15026	0.04575	0.08975	0.10477	0.31427	1.08083	0.0563	0.04575	2.77385866	0.001946592	2.153E-07	0.0097641	0.2607358	0.269015	0.009196	0.00716679	3.31735
1894	494911.06	3859251.99	0.14685	0.04556	0.08869	0.10004	0.30732	0.70891	0.0554	0.04556	2.71090872	0.001938508	2.127E-07	0.0093233	0.2549697	0.176445	0.009048	0.00713703	3.155496
1895	494961.06	3859251.99	0.14456	0.04565	0.08809	0.09982	0.30584	0.62778	0.0542	0.04565	2.66863442	0.001942337	2.113E-07	0.0093028	0.2537418	0.156252	0.008839	0.00715113	3.091562
1896	495011.06	3859251.99	0.14195	0.04565	0.08712	0.09932	0.30218	0.59893	0.0528	0.04565	2.62045279	0.001942337	2.089E-07	0.0092562	0.2507053	0.149072	0.008614	0.00715113	3.032891
1897	495061.06	3859251.99	0.14098	0.04413	0.08794	0.10023	0.30644	0.57365	0.052	0.04413	2.60254621	0.001877663	2.109E-07	0.009341	0.2542396	0.14278	0.00849	0.00691302	3.012361
1898	495111.06	3859251.99	0.13932	0.04138	0.08792	0.10053	0.30649	0.55468	0.051	0.04138	2.57190196	0.001760655	2.109E-07	0.009369	0.2542811	0.138058	0.008323	0.00648223	2.977212
1899	495161.06	3859251.99	0.13797	0.03899	0.0882	0.10111	0.30761	0.53777	0.0488	0.03899	2.54698043	0.001658964	2.115E-07	0.009423	0.2552103	0.133849	0.007962	0.00610783	2.948977
1900	495211.06	3859251.99	0.13625	0.03875	0.08797	0.10131	0.30607	0.53989	0.0487	0.03875	2.51522855	0.001648753	2.11E-07	0.0094417	0.2539326	0.134377	0.007951	0.00607023	2.916509
1901	495261.06	3859251.99	0.13523	0.03861	0.08735	0.10202	0.30665	0.56103	0.0484	0.03861	2.49639895	0.001642796	2.095E-07	0.0095078	0.2544138	0.139638	0.0079	0.0060483	2.903454
1902	495311.06	3859251.99	0.13388	0.03861	0.08842	0.10271	0.30698	0.59215	0.0483	0.03861	2.47147742	0.001642796	2.121E-07	0.0095721	0.2546876	0.147384	0.007886	0.0060483	2.886602
1903	495361.06	3859251.99	0.13243	0.0383	0.08663	0.10314	0.30514	0.62725	0.048	0.0383	2.44470985	0.001629606	2.078E-07	0.0096122	0.253161	0.15612	0.007828	0.00599974	2.867062
1904	495411.06	3859251.99	0.13147	0.03652	0.08575	0.10328	0.31818	0.59456	0.0473	0.03652	2.42698787	0.00155387	2.057E-07	0.0096253	0.2639797	0.147984	0.007717	0.0057209	2.852127
1905	495461.06	3859251.99	0.12997	0.03632	0.08393	0.10063	0.31205	0.59801	0.046	0.03632	2.39929728	0.00154536	2.013E-07	0.0093783	0.258894	0.148843	0.007515	0.00568957	2.819783
1906	495511.06	3859251.99	0.12786	0.0361	0.08112	0.09695	0.29492	0.6211	0.0445	0.0361	2.36034585	0.001535999	1.946E-07	0.0090353	0.244682	0.15459	0.00726	0.00565511	2.771794
1907	495561.06	3859251.99	0.12619	0.03589	0.07914	0.09398	0.28578	0.52357	0.0432	0.03589	2.329517	0.001527064	1.898E-07	0.0087585	0.2370989	0.130315	0.007045	0.00562221	2.708639
1908	495611.06	3859251.99	0.12418	0.03568	0.07669	0.09048	0.26985	0.50022	0.0418	0.03568	2.29241161	0.001518129	1.839E-07	0.0084324	0.2238825	0.124503	0.006821	0.00558932	2.65198
1909	495661.06	3859251.99	0.12286	0.03547	0.0748	0.08752	0.26925	0.47294	0.0409	0.03547	2.26804389	0.001509194	1.794E-07	0.0081565	0.2233847	0.117713	0.006673	0.00555642	2.619924
1910	494311.06	3859301.99	0.1593	0.04891	0.11501	0.15059	0.47674	0.30473	0.0618	0.04891	2.94074061	0.002081045	2.758E-07	0.0140344	0.3955299	0.075846	0.010088	0.00766181	3.430658
1911	494361.06	3859301.99	0.15837	0.04837	0.11033	0.14934	0.47175	0.37376	0.0618	0.04837	2.92357245	0.002058069	2.646E-07	0.0139179	0.3913899	0.093028	0.010089	0.00757722	3.426478
1912	494411.06	3859301.99	0.15737	0.04784	0.10606	0.14698	0.46278	0.3888	0.0618	0.04784	2.90511205	0.002035518	2.544E-07	0.0136979	0.3839479	0.096771	0.010094	0.00749419	3.404165
1913	494461.06	3859301.99	0.15635	0.04753	0.10288	0.14059	0.46532	0.38921	0.0619	0.04753	2.88628245	0.002022328	2.467E-07	0.0131024	0.3860552	0.096873	0.010097	0.00744563	3.386987
1914	494511.06	3859301.99	0.15532	0.04734	0.09922	0.13821	0.45399	0.43617	0.0619	0.04734	2.86726825	0.002014244	2.38E-07	0.0128806	0.3766552	0.108561	0.010096	0.00741587	3.37006
1915	494561.06	3859301.99	0.15669	0.04733	0.09678	0.1365	0.42161	0.50308	0.0618	0.04733	2.89255899	0.002013818	2.321E-07	0.0127212	0.349791	0.125215	0.010091	0.0074143	3.384977
1916	494611.06	3859301.99	0.15598	0.04726	0.09526	0.13448	0.38834	0.55082	0.0618	0.04726	2.87945211	0.00201084	2.285E-07	0.012533	0.3221884	0.137097	0.010079	0.00740334	3.355958
1917	494661.06	3859301.99	0.15521	0.04723	0.09377	0.13004	0.35604	0.60311	0.0605	0.04723	2.8652376	0.002009564	2.249E-07	0.0121192	0.2953905	0.150112	0.00988	0.00739864	3.327351
1918	494711.06	3859301.99	0.15438	0.04707	0.09196	0.12459	0.32221	0.66067	0.0601	0.04707	2.84991548	0.002002756	2.206E-07	0.0116113	0.2673233	0.164439	0.009817	0.00737357	3.297734
1919	494761.06	3859301.99	0.15344	0.04702	0.09038	0.12002	0.30094	0.75288	0.0598	0.04702	2.83256271	0.002000628	2.168E-07	0.0111854	0.2496765	0.187389	0.009758	0.00736574	3.285207
1920	494811.06	3859301.99	0.15226	0.0467	0.08806	0.11361	0.30135	0.98033	0.0592	0.0467	2.81077944	0.001987013	2.112E-07	0.010588	0.2500166	0.244001	0.009663	0.00731561	3.31972
1921	494861.06	3859301.99	0.15048	0.04609	0.08607	0.11197	0.29727	0.97678	0.0583	0.04609	2.77791995	0.001961058	2.064E-07	0.0104351	0.2466316	0.243117	0.009518	0.00722005	3.282363
1922	494911.06	3859301.99	0.14906	0.04608	0.08581	0.10817	0.29823	0.69901	0.0578	0.04608	2.75170619	0.001960633	2.058E-07	0.010081	0.2474281	0.173981	0.00944	0.00721849	3.187378
1923	494961.06	3859301.99	0.14652	0.04544	0.08362	0.09728	0.29186	0.51486	0.0543	0.04544	2.70481679	0.001933402	2.005E-07	0.0090661	0.2421432	0.128147	0.00887	0.00711823	3.087858
1924	495011.06	3859301.99	0.14508	0.04561	0.08357	0.09589	0.29309	0.44692	0.0542	0.04561	2.67823382	0.001940635	2.004E-07	0.0089366	0.2431637	0.111237	0.008845	0.00714486	3.045212
1925	495061.06	3859301.99	0.14551	0.04655	0.08556	0.10112	0.30499	0.43363	0.0543	0.04655	2.68617179	0.001980631	2.052E-07	0.009424	0.2530366	0.107929	0.008867	0.00729211	3.060117
1926	495111.06	3859301.99	0.14365	0.04638	0.08533	0.09732	0.30282	0.43386	0.0531	0.04638	2.65183546	0.001973397	2.047E-07	0.0090698	0.2512362	0.107986	0.008661	0.00726548	3.023497
1927	495161.06	3859301.99	0.14265	0.04385	0.08634	0.09913	0.30581	0.4541	0.0523	0.04385	2.63337507	0.00186575	2.071E-07	0.0092385	0.2537169	0.113024	0.008532	0.00686916	3.012883
1928	495211.06	3859301.99	0.14217	0.04161	0.08762	0.10179	0.31136	0.47365	0.0511	0.04161	2.62451408	0.001770441	2.101E-07	0.0094864	0.2583215	0.11789	0.008343	0.00651826	3.013807
1929	495261.06	3859301.99	0.14101	0.04009	0.0884	0.10276	0.31433	0.44242	0.0496	0.04009	2.60310002	0.001705768	2.12E-07	0.0095768	0.2607856	0.110117	0.008103	0.00628015	2.987108
1930	495311.06	3859301.99	0.13901	0.03973	0.086	0.0999	0.31229	0.4403	0.0497	0.03973	2.56617924	0.00169045	2.063E-07	0.0093103	0.2590931	0.109589	0.008108	0.00622375	2.947746
1931	495361.06	3859301.99	0.13776	0.03971	0.08493	0.10116	0.31467	0.47903	0.0491	0.03971	2.54310375	0.001689599	2.037E-07	0.0094277	0.2610676	0.119229	0.008016	0.00622062	2.936313
1932	495411.06	3859301.99	0.13627	0.03958	0.08334	0.10098	0.31478	0.47912	0.0489	0.03958	2.51559776	0.001684068	1.999E-07	0.0094109	0.2611589	0.119251	0.007982	0.00620026	2.908885
1933	495461.06	3859301.99	0.13485	0.03859	0.08195	0.10155	0.31485	0.44439	0.0487	0.03859	2.489384	0.001641945	1.965E-07	0.009464	0.261217	0.110607	0.007941	0.00604517	2.87421
1934	495511.06	3859301.99	0.13295	0.03693	0.07949	0.1015	0.31097	0.42348	0.0481	0.03693	2.45430926	0.001571315	1.906E-07	0.0094594	0.2579979	0.105403	0.007853	0.00578513	2.830809

1935	495561.06	3859301.99	0.1306	0.0367	0.07624	0.10089	0.30468	0.3694	0.0468	0.0367	2.41092733	0.001561528	1.828E-07	0.0094025	0.2527794	0.091942	0.007639	0.0057491	2.768503
1936	495611.06	3859301.99	0.12887	0.03648	0.07431	0.09977	0.31216	0.37688	0.0455	0.03648	2.37899085	0.001552168	1.782E-07	0.0092982	0.2589852	0.093804	0.007429	0.00571464	2.744345
1937	495661.06	3859301.99	0.12711	0.03626	0.07278	0.09685	0.30234	0.35085	0.0442	0.03626	2.34650056	0.001542807	1.746E-07	0.009026	0.250838	0.087325	0.007215	0.00568017	2.696767
1938	494311.06	3859351.99	0.15659	0.05032	0.12417	0.15245	0.47523	0.36229	0.0618	0.05032	2.89071295	0.002141038	2.978E-07	0.0142077	0.3942771	0.090173	0.010084	0.00788269	3.393713
1939	494361.06	3859351.99	0.1558	0.04976	0.12082	0.15117	0.48949	0.42197	0.0622	0.04976	2.87612924	0.002117211	2.898E-07	0.0140884	0.406108	0.105027	0.010159	0.00779496	3.405834
1940	494411.06	3859351.99	0.15495	0.049	0.11575	0.14835	0.48547	0.39801	0.0618	0.049	2.8604379	0.002084874	2.776E-07	0.0138256	0.4027728	0.099063	0.010089	0.00767591	3.380598
1941	494461.06	3859351.99	0.15387	0.04835	0.11165	0.14566	0.46233	0.42493	0.0618	0.04835	2.84050068	0.002057218	2.678E-07	0.0135749	0.3835746	0.105764	0.010091	0.00757409	3.347988
1942	494511.06	3859351.99	0.15279	0.04812	0.10882	0.14361	0.44951	0.45386	0.0618	0.04812	2.82056345	0.002047432	2.61E-07	0.0133839	0.3729384	0.112964	0.010092	0.00753806	3.324452
1943	494561.06	3859351.99	0.15173	0.04813	0.10616	0.13983	0.4489	0.49945	0.0618	0.04813	2.80099544	0.002047857	2.546E-07	0.0130316	0.3724323	0.124311	0.010092	0.00753962	3.315372
1944	494611.06	3859351.99	0.15064	0.04805	0.10312	0.13746	0.44981	0.52446	0.0618	0.04805	2.78087361	0.002044453	2.473E-07	0.0128107	0.3731873	0.130536	0.010091	0.00752709	3.302016
1945	494661.06	3859351.99	0.15169	0.04795	0.10285	0.13552	0.44299	0.55228	0.0618	0.04795	2.80025702	0.002040199	2.467E-07	0.0126299	0.367529	0.137461	0.010084	0.00751143	3.32249
1946	494711.06	3859351.99	0.15089	0.04767	0.10195	0.13273	0.40628	0.60582	0.0617	0.04767	2.78548871	0.002028285	2.445E-07	0.0123699	0.3370724	0.150787	0.010071	0.00746756	3.29035
1947	494761.06	3859351.99	0.14996	0.04703	0.09961	0.12469	0.36505	0.70276	0.0606	0.04703	2.76832054	0.002001054	2.389E-07	0.0116206	0.3028657	0.174915	0.009897	0.00736731	3.262252
1948	494811.06	3859351.99	0.14854	0.04638	0.09619	0.1149	0.31836	0.99963	0.0598	0.04638	2.74210678	0.001973397	2.307E-07	0.0107082	0.2641291	0.248805	0.009756	0.00726548	3.270213
1949	494861.06	3859351.99	0.14732	0.04645	0.09474	0.11131	0.29013	1.0812	0.0594	0.04645	2.7195851	0.001976376	2.272E-07	0.0103736	0.2407079	0.269107	0.009702	0.00727645	3.244176
1950	494911.06	3859351.99	0.14618	0.04669	0.09376	0.10921	0.28285	0.68182	0.0592	0.04669	2.69854026	0.001986587	2.249E-07	0.0101779	0.234668	0.169703	0.009666	0.00731405	3.117428
1951	494961.06	3859351.99	0.14478	0.04669	0.09208	0.10901	0.28409	0.52118	0.0588	0.04669	2.6726957	0.001986587	2.208E-07	0.0101593	0.2356968	0.12972	0.009599	0.00731405	3.052544
1952	495011.06	3859351.99	0.14349	0.04687	0.09088	0.10957	0.28787	0.44639	0.0575	0.04687	2.6488818	0.001994246	2.18E-07	0.0102115	0.2388329	0.111105	0.009389	0.00734224	3.013072
1953	495061.06	3859351.99	0.14287	0.04769	0.09137	0.1102	0.2974	0.43659	0.0549	0.04769	2.63743635	0.002029136	2.191E-07	0.0102702	0.2467395	0.108666	0.008953	0.0074707	3.006624
1954	495111.06	3859351.99	0.14152	0.04781	0.09001	0.1106	0.29973	0.41514	0.054	0.04781	2.61251482	0.002034242	2.159E-07	0.0103075	0.2486726	0.103327	0.008811	0.00748949	2.978178
1955	495161.06	3859351.99	0.1404	0.04818	0.08854	0.11099	0.30389	0.41736	0.054	0.04818	2.59183918	0.002049985	2.123E-07	0.0103438	0.252124	0.103879	0.008821	0.00754746	2.96151
1956	495211.06	3859351.99	0.13924	0.04684	0.08665	0.1113	0.30722	0.41005	0.0541	0.04684	2.57042513	0.00199297	2.078E-07	0.0103727	0.2548867	0.10206	0.008823	0.00733754	2.941223
1957	495261.06	3859351.99	0.13825	0.0443	0.08615	0.11156	0.3117	0.40981	0.0534	0.0443	2.55214934	0.001884897	2.066E-07	0.0103969	0.2586036	0.102	0.008723	0.00693965	2.926819
1958	495311.06	3859351.99	0.13691	0.04156	0.08629	0.1117	0.31259	0.43899	0.0508	0.04156	2.52741241	0.001768314	2.07E-07	0.01041	0.259342	0.109263	0.008287	0.00651042	2.909973
1959	495361.06	3859351.99	0.13574	0.04094	0.08621	0.11179	0.31453	0.42186	0.0506	0.04094	2.50581375	0.001741934	2.068E-07	0.0104184	0.2609515	0.105	0.008254	0.0064133	2.885766
1960	495411.06	3859351.99	0.13469	0.04084	0.08576	0.11183	0.31706	0.37475	0.0506	0.04084	2.48643034	0.001737679	2.057E-07	0.0104221	0.2630505	0.093274	0.008256	0.00639764	2.856773
1961	495461.06	3859351.99	0.13372	0.0408	0.08551	0.1118	0.3198	0.35943	0.0499	0.0408	2.46852376	0.001735977	2.051E-07	0.0104193	0.2653238	0.089461	0.008137	0.00639137	2.83721
1962	495511.06	3859351.99	0.13215	0.04036	0.08393	0.10982	0.31678	0.34476	0.0491	0.04036	2.43954094	0.001717256	2.013E-07	0.0102348	0.2628182	0.08581	0.008021	0.00632244	2.80182
1963	495561.06	3859351.99	0.13099	0.03826	0.08271	0.10705	0.31452	0.33825	0.0487	0.03826	2.41812688	0.001627904	1.984E-07	0.0099766	0.2609432	0.084189	0.007952	0.00599348	2.776823
1964	495611.06	3859351.99	0.13028	0.03735	0.0818	0.10545	0.3129	0.29889	0.0483	0.03735	2.40502001	0.001589185	1.962E-07	0.0098275	0.2595992	0.074393	0.007887	0.00585092	2.752465
1965	495661.06	3859351.99	0.12922	0.0371	0.08023	0.10128	0.30791	0.29056	0.0477	0.0371	2.38545199	0.001578548	1.924E-07	0.0094389	0.2554592	0.072319	0.007778	0.00581176	2.726214
1966	494311.06	3859401.99	0.15321	0.05205	0.13138	0.15212	0.40816	0.38198	0.0614	0.05205	2.82831682	0.002214647	3.151E-07	0.014177	0.3386321	0.095074	0.010017	0.0081537	3.280278
1967	494361.06	3859401.99	0.15238	0.05113	0.12726	0.14964	0.4193	0.42323	0.0617	0.05113	2.81299469	0.002175503	3.052E-07	0.0139458	0.3478745	0.105341	0.010078	0.00800958	3.284399
1968	494411.06	3859401.99	0.15163	0.05032	0.12305	0.14679	0.4291	0.43049	0.0618	0.05032	2.7991494	0.002141038	2.951E-07	0.0136802	0.3560051	0.107147	0.010081	0.00788269	3.280322
1969	494461.06	3859401.99	0.15073	0.04972	0.11836	0.14463	0.44196	0.42454	0.0618	0.04972	2.78253504	0.002115509	2.839E-07	0.0134789	0.3666745	0.105667	0.010081	0.0077887	3.272763
1970	494511.06	3859401.99	0.14968	0.0493	0.11698	0.1435	0.45865	0.47213	0.062	0.0493	2.76315163	0.002097639	2.806E-07	0.0133736	0.3805214	0.117512	0.010112	0.00772291	3.279045
1971	494561.06	3859401.99	0.14856	0.04918	0.11493	0.14202	0.47289	0.50367	0.0617	0.04918	2.74247599	0.002092533	2.756E-07	0.0132357	0.3923357	0.125362	0.010074	0.00770411	3.277872
1972	494611.06	3859401.99	0.14739	0.04893	0.11173	0.13998	0.4518	0.51133	0.0617	0.04893	2.72087733	0.002081896	2.68E-07	0.0130456	0.3748383	0.127268	0.010073	0.00766494	3.24052
1973	494661.06	3859401.99	0.14626	0.04894	0.10936	0.13932	0.43679	0.5272	0.0617	0.04894	2.70001709	0.002082322	2.623E-07	0.012984	0.3623852	0.131218	0.010071	0.00766651	3.211092
1974	494711.06	3859401.99	0.1451	0.04882	0.10656	0.13702	0.43967	0.54757	0.0617	0.04882	2.67860303	0.002077216	2.556E-07	0.0127697	0.3647746	0.136288	0.01007	0.00764771	3.196935
1975	494761.06	3859401.99	0.14555	0.04793	0.10059	0.12984	0.4308	0.66204	0.0616	0.04793	2.68691021	0.002039348	2.412E-07	0.0121006	0.3574155	0.16478	0.010047	0.00750829	3.225784
1976	494811.06	3859401.99	0.14455	0.04779	0.09815	0.12681	0.41893	0.93181	0.0613	0.04779	2.66844981	0.002033391	2.354E-07	0.0118182	0.3475675	0.231924	0.009998	0.00748636	3.264305
1977	494861.06	3859401.99	0.14329	0.04725	0.09385	0.12026	0.37742	1.08299	0.0607	0.04725	2.64518972	0.002010415	2.251E-07	0.0112077	0.3131285	0.269553	0.009901	0.00740177	3.243589
1978	494911.06	3859401.99	0.14203	0.04706	0.09173	0.11589	0.34493	0.69044	0.0603	0.04706	2.62192962	0.00200233	2.2E-07	0.0108005	0.286173	0.171848	0.009841	0.00737201	3.095223
1979	494961.06	3859401.99	0.14079	0.04739	0.09175	0.11509	0.31997	0.53922	0.0601	0.04739	2.59903874	0.002016371	2.2E-07	0.0107259	0.2654648	0.13421	0.009802	0.0074237	3.013834
1980	495011.06	3859401.99	0.13965	0.04773	0.09092	0.11364	0.29764	0.47057	0.0599	0.04773	2.57799389	0.002030838	2.181E-07	0.0105908	0.2469386	0.117123	0.009779	0.00747696	2.95698
1981	495061.06	3859401.99	0.13863	0.04801	0.08853	0.11206	0.28355	0.43693	0.0599	0.04801	2.55916429	0.002042751	2.123E-07	0.0104435	0.2352488	0.10875	0.009769	0.00752082	2.917898
1982	495111.06	3859401.99	0.1373	0.04809	0.08655	0.10849	0.28192	0.39741	0.0567	0.04809	2.53461196	0.002046155	2.076E-07	0.0101108	0.2338964	0.098914	0.009253	0.00753336	2.8813
1983	495161.06	3859401.99	0.13661	0.04867	0.08787	0.10888	0.28803	0.40215	0.054	0.04867	2.52187429	0.002070833	2.107E-07	0.0101472	0.2389656	0.100094	0.008814	0.00762421	2.874342
1984	495211.06	3859401.99	0.13622	0.04919	0.08792	0.10901	0.29472	0.41587	0.0533	0.04919	2.51467474	0.002092959	2.109E-07	0.0101593	0.244516	0.103509	0.008703	0.00770567	2.87595
1985	495261.06	3859401.99	0.13573	0.04935	0.08703	0.10845	0.29944	0.42212	0.0534	0.04935	2.50562915	0.002099766	2.087E-07	0.0101071	0.248432	0.105064	0.00871	0.00773074	2.872312
1986	495311.06	3859401.99	0.13521	0.04655	0.08595	0.10892	0.30335	0.42268	0.0534	0.04655	2.49602974	0.001980631	2.061E-07	0.0101509	0.251676	0.105204	0.008712	0.00729211	2.86646
1987	495361.06	3859401.99	0.13476	0.04418	0.0863	0.10939	0.30901	0.39792	0.0531	0.04418	2.48772257	0.001879791	2.07E-07	0.0101947	0.2563718	0.099041	0.008664	0.00692085	2.856953
1988	495411.06	3859401.99	0.13423	0.0423	0.08578	0.10976	0.31276	0.38638	0.0516	0.0423	2.47793856	0.0017998	2.057E-07	0.0102292	0.259483	0.096169	0.008429	0.00662635	2.847422
1989	495461.06	3859401.99	0.13363	0.042	0.08523	0.11	0.3145	0.3608	0.0518	0.042	2.46686232	0.001787035	2.044E-07	0.0102515	0.2609266	0.089802	0.008447	0.00657935	2.831497
1990	495511.06	3859401.99	0.13293	0.04157	0.0851	0.11016	0.31411	0.32651	0.0511	0.04157	2.45394005	0.001768739	2.041E-07	0.0102665	0.260603	0.081267	0.008346	0.00651199	2.80968
1991	495561.06	3859401.99	0.13209	0.04107	0.08468	0.11022	0.31216	0.31023	0.0498	0.04107	2.43843332	0.001747465	2.031E-07	0.010272	0.2589852	0.077215	0.008122	0.00643367	2.788342

1992	495611.06	3859401.99	0.13139	0.04016	0.08422	0.11029	0.31222	0.28578	0.0491	0.04016	2.42551104	0.001708746	2.02E-07	0.0102786	0.259035	0.07113	0.008008	0.00629111	2.76938
1993	495661.06	3859401.99	0.1307	0.03799	0.08269	0.11029	0.31225	0.2674	0.0488	0.03799	2.41277337	0.001616416	1.983E-07	0.0102786	0.2590599	0.066555	0.007961	0.00595118	2.752293
1994	494311.06	3859451.99	0.15355	0.05444	0.13788	0.15585	0.33825	0.38012	0.0616	0.05444	2.83459335	0.002316338	3.307E-07	0.0145246	0.2806309	0.094611	0.010061	0.00852809	3.228209
1995	494361.06	3859451.99	0.15282	0.0527	0.13019	0.15097	0.35071	0.45139	0.0616	0.0527	2.82111726	0.002242304	3.122E-07	0.0140698	0.2909684	0.112349	0.010047	0.00825552	3.242539
1996	494411.06	3859451.99	0.15217	0.05146	0.12033	0.14758	0.35768	0.5022	0.0621	0.05146	2.80911801	0.002189544	2.886E-07	0.0137538	0.2967511	0.124996	0.010143	0.00806127	3.24889
1997	494461.06	3859451.99	0.1512	0.0511	0.11925	0.14669	0.376	0.51239	0.0622	0.0511	2.79121143	0.002174226	2.86E-07	0.0136709	0.3119504	0.127532	0.01015	0.00800488	3.248684
1998	494511.06	3859451.99	0.1503	0.0505	0.11728	0.14473	0.38959	0.5203	0.0616	0.0505	2.77459707	0.002148697	2.813E-07	0.0134882	0.3232254	0.129501	0.010053	0.00791089	3.245103
1999	494561.06	3859451.99	0.14933	0.05002	0.11573	0.14321	0.40492	0.5573	0.0616	0.05002	2.75669049	0.002128274	2.776E-07	0.0133466	0.335944	0.13871	0.010047	0.00783569	3.249031
2000	494611.06	3859451.99	0.14832	0.05003	0.11486	0.14262	0.42396	0.56076	0.0615	0.05003	2.7380455	0.002128699	2.755E-07	0.0132916	0.3517407	0.139571	0.010039	0.00783726	3.246979
2001	494661.06	3859451.99	0.1473	0.0497	0.11147	0.1406	0.43532	0.55644	0.0615	0.0497	2.7192159	0.002114658	2.673E-07	0.0131033	0.3611656	0.138496	0.010035	0.00778557	3.236345
2002	494711.06	3859451.99	0.14624	0.04938	0.1062	0.13852	0.44555	0.566	0.0615	0.04938	2.69964788	0.002101043	2.547E-07	0.0129095	0.3696529	0.140875	0.010032	0.00773544	3.227484
2003	494761.06	3859451.99	0.14518	0.04924	0.10464	0.13688	0.44072	0.65446	0.0614	0.04924	2.68007986	0.002095086	2.51E-07	0.0127566	0.3656457	0.162893	0.010029	0.00771351	3.225786
2004	494811.06	3859451.99	0.14406	0.04872	0.10246	0.12861	0.41636	0.93925	0.0614	0.04872	2.65940422	0.002072961	2.457E-07	0.0119859	0.3454353	0.233776	0.010022	0.00763205	3.255065
2005	494861.06	3859451.99	0.14301	0.04842	0.10061	0.12443	0.41926	0.96483	0.0613	0.04842	2.64002081	0.002060196	2.413E-07	0.0115964	0.3478413	0.240143	0.010009	0.00758505	3.244086
2006	494911.06	3859451.99	0.14189	0.04836	0.09911	0.12335	0.41525	0.81056	0.0612	0.04836	2.61934517	0.002057643	2.377E-07	0.0114957	0.3445144	0.201746	0.009994	0.00757565	3.181578
2007	494961.06	3859451.99	0.14083	0.04859	0.09763	0.12454	0.41528	0.65525	0.0611	0.04859	2.59977715	0.00206743	2.341E-07	0.0116066	0.3445393	0.16309	0.00998	0.00761168	3.123448
2008	495011.06	3859451.99	0.13972	0.04872	0.09502	0.12467	0.38773	0.5512	0.061	0.04872	2.57928612	0.002072961	2.279E-07	0.0116187	0.3216823	0.137192	0.009957	0.00763205	3.054177
2009	495061.06	3859451.99	0.13861	0.04886	0.0925	0.12416	0.36068	0.53246	0.0608	0.04886	2.55879508	0.002078918	2.218E-07	0.0115712	0.2992401	0.132527	0.009919	0.00765398	3.006478
2010	495111.06	3859451.99	0.13747	0.049	0.08992	0.12097	0.33395	0.516	0.0605	0.049	2.53775023	0.002084874	2.157E-07	0.0112739	0.2770634	0.128431	0.009879	0.00767591	2.958806
2011	495161.06	3859451.99	0.13646	0.04939	0.09038	0.11983	0.31232	0.47568	0.0595	0.04939	2.51910523	0.002101468	2.168E-07	0.0111677	0.259118	0.118395	0.00971	0.007737	2.911861
2012	495211.06	3859451.99	0.13592	0.04988	0.09173	0.11934	0.29249	0.48407	0.0567	0.04988	2.50913662	0.002122317	2.2E-07	0.011122	0.2426659	0.120483	0.00925	0.00781376	2.886967
2013	495261.06	3859451.99	0.13541	0.05032	0.09201	0.11863	0.28202	0.45762	0.0539	0.05032	2.49972182	0.002141038	2.207E-07	0.0110558	0.2339794	0.1139	0.008796	0.00788269	2.861712
2014	495311.06	3859451.99	0.13492	0.05057	0.09092	0.11662	0.28745	0.44587	0.0527	0.05057	2.49067623	0.002151676	2.181E-07	0.0108685	0.2384844	0.110976	0.008607	0.00792185	2.853842
2015	495361.06	3859451.99	0.13439	0.04917	0.08996	0.11528	0.2929	0.37588	0.0528	0.04917	2.48089222	0.002092108	2.158E-07	0.0107436	0.2430061	0.093555	0.008612	0.00770254	2.831199
2016	495411.06	3859451.99	0.13386	0.04644	0.08884	0.11337	0.2973	0.35073	0.0528	0.04644	2.47110821	0.00197595	2.131E-07	0.0105656	0.2466565	0.087296	0.008612	0.00727488	2.818939
2017	495461.06	3859451.99	0.1333	0.0439	0.08786	0.11209	0.30171	0.32968	0.0526	0.0439	2.46077039	0.001867877	2.107E-07	0.0104463	0.2503153	0.082056	0.008583	0.00687699	2.807162
2018	495511.06	3859451.99	0.13274	0.04276	0.08624	0.10823	0.3029	0.3057	0.052	0.04276	2.45043257	0.001819372	2.068E-07	0.0100866	0.2513026	0.076088	0.008491	0.00669841	2.791522
2019	495561.06	3859451.99	0.13212	0.04243	0.08503	0.10765	0.3053	0.28641	0.0521	0.04243	2.43898713	0.001805331	2.039E-07	0.0100325	0.2532938	0.071286	0.008501	0.00664671	2.77726
2020	495611.06	3859451.99	0.13148	0.04211	0.08356	0.108	0.30722	0.27347	0.0515	0.04211	2.42717248	0.001791716	2.004E-07	0.0100652	0.2548867	0.068066	0.008411	0.00659658	2.763797
2021	495661.06	3859451.99	0.13081	0.04182	0.08222	0.1083	0.30883	0.2577	0.0505	0.04182	2.41480401	0.001779376	1.972E-07	0.0100931	0.2562225	0.064141	0.008238	0.00655115	2.748727
2022	494311.06	3859501.99	0.15369	0.05783	0.13866	0.1555	0.33895	0.50067	0.0618	0.05783	2.83717781	0.002460577	3.326E-07	0.014492	0.2812117	0.124615	0.010084	0.00905914	3.260983
2023	494361.06	3859501.99	0.15311	0.05594	0.13156	0.15332	0.3253	0.59602	0.0616	0.05594	2.82647078	0.002380161	3.155E-07	0.0142888	0.2698869	0.148347	0.010055	0.00876307	3.262666
2024	494411.06	3859501.99	0.15276	0.05263	0.12578	0.14867	0.32246	0.65052	0.0615	0.05263	2.82000964	0.002239325	3.017E-07	0.0138554	0.2675307	0.161912	0.010034	0.00824455	3.267337
2025	494461.06	3859501.99	0.15171	0.05286	0.12578	0.14868	0.31835	0.66593	0.0612	0.05286	2.80062623	0.002249111	3.017E-07	0.0138564	0.2641208	0.165748	0.009983	0.00828058	3.248303
2026	494511.06	3859501.99	0.15096	0.05187	0.12055	0.14659	0.32617	0.78638	0.0613	0.05187	2.78678093	0.002206988	2.891E-07	0.0136616	0.2706087	0.195727	0.009999	0.0081255	3.27086
2027	494561.06	3859501.99	0.15015	0.05129	0.11472	0.14483	0.33985	0.74337	0.0613	0.05129	2.77182802	0.00218231	2.751E-07	0.0134976	0.2819584	0.185022	0.010008	0.00803464	3.256462
2028	494611.06	3859501.99	0.1491	0.05126	0.11732	0.14489	0.36353	0.80342	0.0611	0.05126	2.7524446	0.002181034	2.814E-07	0.0135031	0.3016046	0.199969	0.009965	0.00802994	3.271637
2029	494661.06	3859501.99	0.14833	0.05065	0.10998	0.14289	0.37411	0.75729	0.0615	0.05065	2.7382301	0.002155079	2.638E-07	0.0133168	0.3103824	0.188487	0.010037	0.00793438	3.254674
2030	494711.06	3859501.99	0.1475	0.04992	0.1059	0.13981	0.38114	0.78353	0.0612	0.04992	2.72290797	0.002124019	2.54E-07	0.0130297	0.3162148	0.195018	0.00999	0.00782003	3.251464
2031	494761.06	3859501.99	0.14653	0.05025	0.10558	0.13904	0.4017	0.8638	0.0611	0.05025	2.70500139	0.00213806	2.532E-07	0.012958	0.3332726	0.214997	0.00998	0.00787172	3.270475
2032	494811.06	3859501.99	0.1455	0.04922	0.09642	0.13477	0.40166	0.99233	0.061	0.04922	2.68598719	0.002094235	2.312E-07	0.01256	0.3332394	0.246988	0.009962	0.00771037	3.28312
2033	494861.06	3859501.99	0.14449	0.04918	0.09592	0.1314	0.41519	1.04753	0.061	0.04918	2.66734219	0.002092533	2.3E-07	0.0122459	0.3444646	0.260727	0.009955	0.00770411	3.289123
2034	494911.06	3859501.99	0.1435	0.04938	0.09618	0.13005	0.42995	1.10306	0.061	0.04938	2.6490664	0.002101043	2.307E-07	0.0121201	0.3567103	0.274548	0.009949	0.00773544	3.296759
2035	494961.06	3859501.99	0.14248	0.0492	0.09483	0.12493	0.40816	0.95982	0.0609	0.0492	2.6302368	0.002093384	2.274E-07	0.011643	0.3386321	0.238896	0.009937	0.00770724	3.223732
2036	495011.06	3859501.99	0.14148	0.04945	0.09496	0.12472	0.41304	0.80068	0.0608	0.04945	2.61177641	0.002104021	2.277E-07	0.0116234	0.3426808	0.199287	0.009924	0.0077464	3.169649
2037	495061.06	3859501.99	0.14048	0.04973	0.09505	0.12671	0.41131	0.68628	0.0607	0.04973	2.59331601	0.002115935	2.28E-07	0.0118088	0.3412455	0.170813	0.009908	0.00779027	3.121417
2038	495111.06	3859501.99	0.14011	0.04962	0.09352	0.12524	0.41587	0.58147	0.0606	0.04962	2.58648567	0.002111254	2.243E-07	0.0116718	0.3450288	0.144726	0.009885	0.00777303	3.092136
2039	495161.06	3859501.99	0.13913	0.04994	0.09352	0.12616	0.39425	0.48805	0.0604	0.04994	2.56839448	0.00212487	2.243E-07	0.0117576	0.3270916	0.121474	0.009857	0.00782316	3.032877
2040	495211.06	3859501.99	0.13815	0.05044	0.09395	0.12533	0.37329	0.43786	0.0602	0.05044	2.5503033	0.002146144	2.253E-07	0.0116802	0.309702	0.108982	0.00982	0.00790149	2.984732
2041	495261.06	3859501.99	0.13716	0.05075	0.09317	0.12421	0.34983	0.40173	0.059	0.05075	2.53202751	0.002159334	2.235E-07	0.0115759	0.2902383	0.099989	0.009629	0.00795005	2.937669
2042	495311.06	3859501.99	0.13617	0.05115	0.09277	0.1232	0.32794	0.37677	0.0563	0.05115	2.51375172	0.002176354	2.225E-07	0.0114817	0.2720772	0.093777	0.009183	0.00801271	2.894435
2043	495361.06	3859501.99	0.13517	0.05141	0.0917	0.122	0.30463	0.33734	0.0535	0.05141	2.49529133	0.002187416	2.199E-07	0.0113699	0.2527379	0.083963	0.008729	0.00805344	2.846226
2044	495411.06	3859501.99	0.13417	0.05155	0.09075	0.12084	0.28238	0.31644	0.0526	0.05155	2.47683093	0.002193373	2.176E-07	0.0112618	0.2342781	0.078761	0.008587	0.00807537	2.803837
2045	495461.06	3859501.99	0.13316	0.04884	0.08939	0.11958	0.28257	0.31455	0.0527	0.04884	2.45818594	0.002078067	2.144E-07	0.0111444	0.2344357	0.07829	0.008597	0.00765085	2.785081
2046	495511.06	3859501.99	0.13208	0.04551	0.08695	0.1152	0.28512	0.27568	0.0522	0.04551	2.43824871	0.00193638	2.085E-07	0.0107362	0.2365513	0.068616	0.008514	0.0071292	2.757473
2047	495561.06	3859501.99	0.13106	0.0438	0.08793	0.11528	0.2905	0.266	0.0522	0.0438	2.41941911	0.001863622	2.109E-07	0.0107436	0.2410149	0.066206	0.008512	0.00686132	2.740899
2048	495611.06	3859501.99	0.13014	0.04344	0.08637	0.11276	0.29402	0.24798	0.0521	0.04344	2.40243555	0.001848305	2.071E-07	0.0105088	0.2439353	0.061721	0.008507	0.00680493	2.722152

2049	495661.06	3859501.99	0.12956	0.04305	0.08456	0.11002	0.29675	0.2377	0.0521	0.04305	2.39172852	0.001831711	2.028E-07	0.0102534	0.2462002	0.059163	0.008499	0.00674383	2.710932
2050	494311.06	3859551.99	0.15369	0.06109	0.14204	0.15801	0.32574	0.56318	0.0635	0.06109	2.83717781	0.002599285	3.407E-07	0.0147259	0.2702519	0.140174	0.010367	0.00956982	3.265726
2051	494361.06	3859551.99	0.15327	0.05781	0.13318	0.15488	0.32991	0.74934	0.0615	0.05781	2.82942444	0.002459726	3.194E-07	0.0144342	0.2737116	0.186508	0.010042	0.00905601	3.307524
2052	494411.06	3859551.99	0.15314	0.05426	0.12045	0.15039	0.32215	1.1325	0.0616	0.05426	2.82702459	0.002308679	2.889E-07	0.0140157	0.2672735	0.281875	0.010058	0.0084999	3.394056
2053	494461.06	3859551.99	0.15208	0.05588	0.12591	0.15059	0.32036	1.7609	0.0611	0.05588	2.80745657	0.002377608	3.02E-07	0.0140344	0.2657884	0.438282	0.009978	0.00875367	3.529164
2054	494511.06	3859551.99	0.15146	0.05425	0.11983	0.1484	0.31827	2.16392	0.0609	0.05425	2.79601113	0.002308254	2.874E-07	0.0138303	0.2640544	0.538592	0.009941	0.00849833	3.616239
2055	494561.06	3859551.99	0.15071	0.0532	0.116	0.14495	0.31512	2.05653	0.0607	0.0532	2.78216584	0.002263578	2.782E-07	0.0135087	0.261441	0.511863	0.009903	0.00833384	3.572812
2056	494611.06	3859551.99	0.14984	0.05295	0.11516	0.14195	0.31107	2.1811	0.0605	0.05295	2.76610529	0.002252941	2.762E-07	0.0132292	0.2580809	0.542868	0.009869	0.00829468	3.584111
2057	494661.06	3859551.99	0.14904	0.05227	0.11238	0.13915	0.31431	2.23294	0.0604	0.05227	2.75133698	0.002224008	2.695E-07	0.0129682	0.260769	0.555771	0.009851	0.00818816	3.584732
2058	494711.06	3859551.99	0.14852	0.05065	0.10285	0.13575	0.3148	2.20619	0.0607	0.05065	2.74173757	0.002155079	2.467E-07	0.0126513	0.2611755	0.549113	0.009906	0.00793438	3.568805
2059	494761.06	3859551.99	0.14747	0.05097	0.10519	0.13536	0.34125	2.30143	0.0611	0.05097	2.72235416	0.002168695	2.523E-07	0.012615	0.2831199	0.572818	0.009973	0.00798451	3.595065
2060	494811.06	3859551.99	0.14675	0.05011	0.09787	0.13247	0.34714	2.21261	0.0605	0.05011	2.70906268	0.002132103	2.347E-07	0.0123457	0.2880066	0.550711	0.009879	0.00784979	3.564287
2061	494861.06	3859551.99	0.14581	0.05005	0.09555	0.1309	0.36209	2.15842	0.0605	0.05005	2.69170991	0.00212955	2.292E-07	0.0121993	0.3004099	0.537223	0.009869	0.00784039	3.545701
2062	494911.06	3859551.99	0.14486	0.04987	0.09423	0.1291	0.37471	1.27776	0.0604	0.04987	2.67417254	0.002121892	2.26E-07	0.0120316	0.3108802	0.31803	0.009859	0.0078122	3.319283
2063	494961.06	3859551.99	0.14391	0.05008	0.09238	0.1279	0.39252	0.84372	0.0603	0.05008	2.65663516	0.002130827	2.216E-07	0.0119198	0.3256563	0.209999	0.009846	0.00784509	3.208342
2064	495011.06	3859551.99	0.14297	0.05039	0.09209	0.12685	0.41168	0.67929	0.0602	0.05039	2.63928239	0.002144017	2.209E-07	0.0118219	0.3415525	0.169073	0.009831	0.00789365	3.165812
2065	495061.06	3859551.99	0.142	0.05044	0.09089	0.12545	0.42516	0.5681	0.0602	0.05044	2.62137581	0.002146144	2.18E-07	0.0116914	0.3527363	0.141398	0.009818	0.00790149	3.131265
2066	495111.06	3859551.99	0.14101	0.05034	0.0899	0.12472	0.40485	0.48945	0.0601	0.05034	2.60310002	0.002141889	2.156E-07	0.0116234	0.335886	0.121822	0.009808	0.00788582	3.076497
2067	495161.06	3859551.99	0.14006	0.05069	0.08971	0.12751	0.4096	0.44346	0.0599	0.05069	2.58556265	0.002156781	2.152E-07	0.0118834	0.3398268	0.110376	0.009784	0.00794065	3.051649
2068	495211.06	3859551.99	0.13909	0.05116	0.08973	0.12972	0.40754	0.40547	0.0597	0.05116	2.56765607	0.002176779	2.152E-07	0.0120894	0.3381177	0.10092	0.009751	0.00801428	3.022697
2069	495261.06	3859551.99	0.1381	0.05123	0.0889	0.12654	0.41422	0.36924	0.0596	0.05123	2.54938028	0.002179757	2.132E-07	0.011793	0.3436598	0.091903	0.009727	0.00802524	3.000617
2070	495311.06	3859551.99	0.13712	0.05143	0.08832	0.12432	0.4052	0.34588	0.0594	0.05143	2.53128909	0.002188267	2.118E-07	0.0115861	0.3361763	0.086088	0.009691	0.00805657	2.968963
2071	495361.06	3859551.99	0.13613	0.05172	0.08745	0.12275	0.38149	0.32474	0.0585	0.05172	2.51301331	0.002200606	2.097E-07	0.0114398	0.3165052	0.080827	0.009552	0.008102	2.925436
2072	495411.06	3859551.99	0.13515	0.05211	0.08714	0.12181	0.35925	0.31254	0.0559	0.05211	2.49492212	0.0022172	2.09E-07	0.0113522	0.2980537	0.07779	0.009124	0.00816309	2.885297
2073	495461.06	3859551.99	0.13413	0.05203	0.08538	0.11712	0.33149	0.29009	0.053	0.05203	2.47609252	0.002213796	2.048E-07	0.0109151	0.2750225	0.072202	0.008648	0.00815056	2.836944
2074	495511.06	3859551.99	0.13433	0.05078	0.08462	0.11493	0.30398	0.27471	0.0527	0.05078	2.4797846	0.002160611	2.029E-07	0.010711	0.2521986	0.068374	0.008597	0.00795475	2.813872
2075	495561.06	3859551.99	0.13336	0.04816	0.08387	0.11389	0.28113	0.26052	0.0527	0.04816	2.46187802	0.002049134	2.011E-07	0.0106141	0.233241	0.064843	0.008605	0.00754432	2.773686
2076	495611.06	3859551.99	0.13238	0.04559	0.08312	0.11284	0.27376	0.23956	0.0528	0.04559	2.44378683	0.001939784	1.993E-07	0.0105162	0.2271264	0.059626	0.008614	0.00714173	2.744467
2077	495661.06	3859551.99	0.1314	0.0443	0.08234	0.11169	0.27827	0.22971	0.0516	0.0443	2.42569565	0.001884897	1.975E-07	0.010409	0.2308682	0.057174	0.008429	0.00693965	2.727521
2078	494311.06	3859601.99	0.1533	0.06498	0.14898	0.1614	0.31525	0.71531	0.066	0.06498	2.82997825	0.002764799	3.573E-07	0.0150418	0.2615488	0.178038	0.010775	0.0101792	3.287968
2079	494361.06	3859601.99	0.15354	0.05996	0.13385	0.15371	0.31395	1.05307	0.0626	0.05996	2.83440875	0.002551206	3.21E-07	0.0143251	0.2604703	0.262106	0.01022	0.00939281	3.374688
2080	494411.06	3859601.99	0.15321	0.058	0.1288	0.15069	0.31407	1.50059	0.0612	0.058	2.82831682	0.002467811	3.089E-07	0.0140437	0.2605699	0.373492	0.00999	0.00908577	3.479794
2081	494461.06	3859601.99	0.15215	0.05913	0.12968	0.15337	0.31442	1.36723	0.0621	0.05913	2.8087488	0.00251589	3.11E-07	0.0142934	0.2608602	0.340299	0.01013	0.00926279	3.427585
2082	494511.06	3859601.99	0.1518	0.05645	0.12443	0.15014	0.31543	1.08516	0.0607	0.05645	2.80228766	0.00240186	2.984E-07	0.0139924	0.2616982	0.270093	0.009905	0.00884296	3.351535
2083	494561.06	3859601.99	0.15085	0.057	0.12446	0.14944	0.3144	0.9871	0.0607	0.057	2.78475029	0.002425262	2.985E-07	0.0139272	0.2608436	0.245686	0.009903	0.00892912	3.308606
2084	494611.06	3859601.99	0.15001	0.05683	0.12331	0.1483	0.31113	0.94109	0.0606	0.05683	2.76924356	0.002418029	2.957E-07	0.0138209	0.2581307	0.234234	0.00989	0.00890249	3.278835
2085	494661.06	3859601.99	0.14959	0.05367	0.11713	0.14114	0.31108	0.97644	0.0599	0.05367	2.7614902	0.002283576	2.809E-07	0.0131537	0.2580892	0.243033	0.009782	0.00840747	3.279424
2086	494711.06	3859601.99	0.1491	0.05205	0.11265	0.1355	0.30805	1.01586	0.0607	0.05205	2.7524446	0.002214647	2.702E-07	0.012628	0.2555753	0.252844	0.009911	0.0081537	3.277465
2087	494761.06	3859601.99	0.14792	0.05379	0.11565	0.14138	0.30396	0.84872	0.0594	0.05379	2.73066134	0.002288682	2.774E-07	0.013176	0.252182	0.211244	0.009699	0.00842627	3.210825
2088	494811.06	3859601.99	0.14739	0.05146	0.11019	0.13445	0.29932	0.80462	0.0603	0.05146	2.72087733	0.002189544	2.643E-07	0.0125302	0.2483324	0.200267	0.009848	0.00806127	3.185983
2089	494861.06	3859601.99	0.14656	0.05107	0.10832	0.13263	0.3095	0.72609	0.0597	0.05107	2.7055552	0.00217295	2.598E-07	0.0123606	0.2567783	0.180721	0.009748	0.00800018	3.159336
2090	494911.06	3859601.99	0.14582	0.05044	0.10448	0.12781	0.31918	0.6986	0.0597	0.05044	2.69189451	0.002146144	2.506E-07	0.0119114	0.2648094	0.173879	0.009745	0.00790149	3.146484
2091	494961.06	3859601.99	0.14483	0.05115	0.10533	0.12944	0.3428	0.64237	0.0595	0.05115	2.67361872	0.002176354	2.526E-07	0.0120633	0.2844059	0.159884	0.009709	0.00801271	3.133844
2092	495011.06	3859601.99	0.14406	0.05058	0.09977	0.12444	0.35149	0.5819	0.0595	0.05058	2.65940422	0.002152101	2.393E-07	0.0115973	0.2916156	0.144833	0.009714	0.00792342	3.111393
2093	495061.06	3859601.99	0.14311	0.05104	0.09951	0.12395	0.37233	0.49272	0.0593	0.05104	2.64186685	0.002171673	2.387E-07	0.0115516	0.3089056	0.122636	0.009686	0.00799548	3.088823
2094	495111.06	3859601.99	0.14221	0.05082	0.09468	0.12202	0.38465	0.44865	0.0593	0.05082	2.62525249	0.002162313	2.271E-07	0.0113718	0.3191269	0.111667	0.009681	0.00796101	3.071301
2095	495161.06	3859601.99	0.14127	0.05118	0.09549	0.12494	0.40408	0.3957	0.0592	0.05118	2.60789973	0.00217763	2.29E-07	0.0116439	0.3352471	0.098488	0.009655	0.00801741	3.057095
2096	495211.06	3859601.99	0.14032	0.05135	0.09604	0.12652	0.42019	0.37036	0.059	0.05135	2.59036235	0.002184863	2.303E-07	0.0117911	0.3486129	0.092181	0.009632	0.00804404	3.046721
2097	495261.06	3859601.99	0.13936	0.05163	0.09555	0.12887	0.40244	0.34633	0.0588	0.05163	2.57264037	0.002196777	2.292E-07	0.0120102	0.3338865	0.0862	0.009604	0.0080879	3.008451
2098	495311.06	3859601.99	0.1384	0.05197	0.09477	0.13154	0.40646	0.32377	0.0586	0.05197	2.5549184	0.002211243	2.273E-07	0.012259	0.3372217	0.080585	0.009568	0.00814116	2.988623
2099	495361.06	3859601.99	0.13743	0.0521	0.09325	0.13266	0.4007	0.31619	0.0585	0.0521	2.53701182	0.002216775	2.236E-07	0.0123634	0.3324429	0.078699	0.009541	0.00816153	2.964113
2100	495411.06	3859601.99	0.13646	0.05241	0.09238	0.1334	0.409	0.31751	0.0582	0.05241	2.51910523	0.002229965	2.216E-07	0.0124323	0.339329	0.079027	0.009498	0.00821009	2.953412
2101	495461.06	3859601.99	0.13545	0.05212	0.08933	0.12803	0.4066	0.28969	0.0579	0.05212	2.50046024	0.002217626	2.142E-07	0.0119319	0.3373379	0.072103	0.009446	0.00816466	2.925332
2102	495511.06	3859601.99	0.13444	0.05194	0.08694	0.12281	0.37771	0.25605	0.055	0.05194	2.48181524	0.002209967	2.085E-07	0.0114454	0.3133691	0.06373	0.008981	0.00813646	2.873414
2103	495561.06	3859601.99	0.13346	0.05241	0.08638	0.12271	0.35713	0.24434	0.0531	0.05241	2.46372406	0.002229965	2.072E-07	0.0114361	0.2962948	0.060815	0.008659	0.00821009	2.83495
2104	495611.06	3859601.99	0.13242	0.05027	0.08333	0.11658	0.32756	0.23507	0.0527	0.05027	2.44452525	0.002138911	1.999E-07	0.0108648	0.2717619	0.058508	0.008596	0.00787486	2.78852
2105	495661.06	3859601.99	0.13142	0.04785	0.08349	0.11519	0.30611	0.2296	0.0528	0.04785	2.42606485	0.002035944	2.002E-07	0.0107352	0.2539658	0.057147	0.008622	0.00749576	2.751075

2106	494311.06	3859651.99	0.15301	0.06647	0.15688	0.15323	0.38469	0.75732	0.0673	0.06647	2.82462474	0.002828196	3.763E-07	0.0142804	0.3191601	0.188494	0.010992	0.01041261	3.349967
2107	494361.06	3859651.99	0.15332	0.06279	0.14775	0.1475	0.34544	0.92499	0.0641	0.06279	2.83034746	0.002671618	3.544E-07	0.0137464	0.2865961	0.230227	0.010469	0.00983613	3.364222
2108	494411.06	3859651.99	0.15278	0.06171	0.14555	0.14573	0.3144	1.20911	0.0634	0.06171	2.82037885	0.002625665	3.491E-07	0.0135814	0.2608436	0.300943	0.010354	0.00966695	3.39906
2109	494461.06	3859651.99	0.15175	0.06275	0.14555	0.15055	0.30818	1.15646	0.0642	0.06275	2.80136464	0.002669916	3.491E-07	0.0140306	0.2556832	0.287839	0.010484	0.00982986	3.362242
2110	494511.06	3859651.99	0.15124	0.06142	0.14413	0.15049	0.30518	0.82527	0.0633	0.06142	2.79194984	0.002613326	3.457E-07	0.014025	0.2531942	0.205407	0.010339	0.00962152	3.267907
2111	494561.06	3859651.99	0.15054	0.06093	0.1432	0.15259	0.30588	0.72847	0.063	0.06093	2.77902757	0.002592478	3.434E-07	0.0142208	0.253775	0.181314	0.01029	0.00954476	3.231675
2112	494611.06	3859651.99	0.14986	0.0603	0.14216	0.15075	0.30682	0.66964	0.0626	0.0603	2.7664745	0.002565672	3.409E-07	0.0140493	0.2545549	0.166671	0.010225	0.00944607	3.205094
2113	494661.06	3859651.99	0.14966	0.05606	0.12808	0.14629	0.30828	0.5943	0.0598	0.05606	2.76278242	0.002385267	3.072E-07	0.0136336	0.2557662	0.147919	0.009753	0.00878187	3.183458
2114	494711.06	3859651.99	0.1489	0.05567	0.12619	0.14251	0.30755	0.53918	0.0595	0.05567	2.74875252	0.002368673	3.026E-07	0.0132813	0.2551605	0.1342	0.009717	0.00872077	3.15476
2115	494761.06	3859651.99	0.14811	0.05621	0.12591	0.14266	0.29805	0.48488	0.0599	0.05621	2.73416881	0.002391649	3.02E-07	0.0132953	0.2472788	0.120685	0.009776	0.00880536	3.11879
2116	494811.06	3859651.99	0.14753	0.05457	0.12164	0.13926	0.30413	0.46987	0.0588	0.05457	2.72346179	0.002321869	2.917E-07	0.0129785	0.2523231	0.116949	0.009595	0.00854846	3.109081
2117	494861.06	3859651.99	0.14672	0.05419	0.11979	0.13865	0.30102	0.46402	0.0585	0.05419	2.70850887	0.002305701	2.873E-07	0.0129216	0.2497429	0.115493	0.009552	0.00848893	3.090036
2118	494911.06	3859651.99	0.14599	0.0533	0.11684	0.13643	0.29728	0.45689	0.0583	0.0533	2.69503278	0.002267833	2.802E-07	0.0127147	0.2466399	0.113718	0.009516	0.00834951	3.071541
2119	494961.06	3859651.99	0.14517	0.05282	0.11477	0.13507	0.29271	0.46569	0.0582	0.05282	2.67989526	0.00224741	2.753E-07	0.012588	0.2428484	0.115909	0.009495	0.00827432	3.054709
2120	495011.06	3859651.99	0.14438	0.0521	0.11222	0.13304	0.3021	0.44791	0.0583	0.0521	2.66531155	0.002216775	2.691E-07	0.0123988	0.2506389	0.111483	0.009513	0.00816153	3.043401
2121	495061.06	3859651.99	0.1435	0.05192	0.1108	0.13216	0.31935	0.42682	0.058	0.05192	2.6490664	0.002209116	2.657E-07	0.0123168	0.2649504	0.106234	0.009464	0.00813333	3.036108
2122	495111.06	3859651.99	0.14269	0.05146	0.10795	0.1299	0.33321	0.38283	0.0582	0.05146	2.63411348	0.002189544	2.589E-07	0.0121061	0.2764495	0.095285	0.009503	0.00806127	3.021586
2123	495161.06	3859651.99	0.14182	0.05155	0.10607	0.12828	0.34949	0.36097	0.0585	0.05155	2.61805294	0.002193373	2.544E-07	0.0119552	0.2899562	0.089844	0.009551	0.00807537	3.013477
2124	495211.06	3859651.99	0.1409	0.05178	0.10454	0.12695	0.36726	0.35826	0.0579	0.05178	2.60106938	0.002203159	2.507E-07	0.0118312	0.3046992	0.08917	0.009449	0.0081114	3.010311
2125	495261.06	3859651.99	0.14001	0.05186	0.10166	0.12556	0.38324	0.32576	0.0579	0.05186	2.58463963	0.002206563	2.438E-07	0.0117017	0.3179571	0.081081	0.009457	0.00812393	2.998919
2126	495311.06	3859651.99	0.13909	0.05204	0.09941	0.12726	0.40029	0.29889	0.0576	0.05204	2.56765607	0.002214222	2.384E-07	0.0118601	0.3321027	0.074393	0.009404	0.00815213	2.989478
2127	495361.06	3859651.99	0.13814	0.05228	0.09799	0.12933	0.4154	0.28366	0.0574	0.05228	2.5501187	0.002224433	2.35E-07	0.012053	0.3446388	0.070602	0.009369	0.00818973	2.980817
2128	495411.06	3859651.99	0.13722	0.05239	0.09699	0.13045	0.39783	0.27169	0.0573	0.05239	2.53313513	0.002229114	2.326E-07	0.0121574	0.3300618	0.067623	0.009345	0.00820696	2.946344
2129	495461.06	3859651.99	0.13634	0.0521	0.09433	0.12865	0.39671	0.26483	0.0573	0.0521	2.51688999	0.002216775	2.262E-07	0.0119896	0.3291326	0.065915	0.009358	0.00816153	2.927341
2130	495511.06	3859651.99	0.13535	0.05196	0.09157	0.12767	0.3916	0.25713	0.0573	0.05196	2.4986142	0.002210818	2.196E-07	0.0118983	0.324893	0.063999	0.009346	0.0081396	2.902822
2131	495561.06	3859651.99	0.13438	0.05221	0.09071	0.12959	0.3977	0.24072	0.057	0.05221	2.48070762	0.002221455	2.176E-07	0.0120773	0.3299539	0.059914	0.009304	0.00817876	2.886
2132	495611.06	3859651.99	0.13337	0.05229	0.08919	0.12965	0.40421	0.2358	0.0546	0.05229	2.46206262	0.002224859	2.139E-07	0.0120828	0.335355	0.05869	0.009819	0.00819129	2.871143
2133	495661.06	3859651.99	0.13237	0.0523	0.08745	0.12614	0.37864	0.22734	0.0528	0.0523	2.44360223	0.002225284	2.097E-07	0.0117557	0.3141407	0.056584	0.00861	0.00819286	2.828726
2134	494311.06	3859701.99	0.15313	0.06577	0.14407	0.14987	0.45031	0.72554	0.0657	0.06577	2.82683999	0.002798412	3.455E-07	0.0139673	0.3736021	0.180584	0.010718	0.01030295	3.398207
2135	494361.06	3859701.99	0.15283	0.06461	0.14284	0.14619	0.4165	0.83183	0.0648	0.06461	2.82130187	0.002749056	3.426E-07	0.0136243	0.3455515	0.20704	0.010577	0.01012124	3.390723
2136	494411.06	3859701.99	0.15211	0.06448	0.14247	0.14328	0.3861	1.09372	0.0648	0.06448	2.80801039	0.002743525	3.417E-07	0.0133531	0.3203299	0.272223	0.010576	0.01010087	3.417135
2137	494461.06	3859701.99	0.15089	0.06602	0.14976	0.14613	0.36115	1.02337	0.0662	0.06602	2.78548871	0.002809049	3.592E-07	0.0136187	0.29963	0.254713	0.010809	0.01034211	3.356727
2138	494511.06	3859701.99	0.15037	0.06533	0.14788	0.14603	0.3312	0.75977	0.0655	0.06533	2.7758893	0.002779691	3.547E-07	0.0136094	0.2747819	0.189104	0.010695	0.01023402	3.256625
2139	494561.06	3859701.99	0.14969	0.06495	0.14725	0.14711	0.3038	0.5775	0.0653	0.06495	2.76333623	0.002763522	3.532E-07	0.01371	0.2520493	0.143738	0.010656	0.0101745	3.176078
2140	494611.06	3859701.99	0.14903	0.06439	0.14863	0.14905	0.29862	0.51931	0.0649	0.06439	2.75115238	0.002739695	3.565E-07	0.0138908	0.2477517	0.129254	0.010597	0.01008677	3.145299
2141	494661.06	3859701.99	0.14918	0.06008	0.13825	0.14165	0.29854	0.46271	0.0619	0.06008	2.75392143	0.002556311	3.316E-07	0.0132012	0.2476853	0.115167	0.010104	0.00941161	3.133224
2142	494711.06	3859701.99	0.14828	0.06052	0.13908	0.14622	0.29949	0.41851	0.0623	0.06052	2.73730708	0.002575033	3.336E-07	0.0136271	0.2484735	0.104166	0.010163	0.00948053	3.106831
2143	494761.06	3859701.99	0.14776	0.05905	0.13549	0.14301	0.30083	0.40218	0.0613	0.05905	2.72770768	0.002512486	3.25E-07	0.0133279	0.2495852	0.100101	0.009999	0.00925025	3.093984
2144	494811.06	3859701.99	0.14721	0.05754	0.13094	0.139	0.30066	0.37056	0.0602	0.05754	2.71755446	0.002448238	3.14E-07	0.0129542	0.2494442	0.092231	0.009833	0.00901371	3.075452
2145	494861.06	3859701.99	0.14626	0.05813	0.13325	0.14058	0.30005	0.35978	0.0607	0.05813	2.70001709	0.002473342	3.196E-07	0.0131015	0.2489381	0.089548	0.009905	0.00910614	3.054877
2146	494911.06	3859701.99	0.1456	0.05705	0.13	0.1397	0.28991	0.35696	0.06	0.05705	2.68783323	0.00242739	3.118E-07	0.0130195	0.2405254	0.088846	0.009787	0.00893695	3.033502
2147	494961.06	3859701.99	0.14491	0.05605	0.12683	0.13871	0.29685	0.35553	0.0593	0.05605	2.67509556	0.002384841	3.042E-07	0.0129272	0.2462832	0.08849	0.009676	0.0087803	3.026077
2148	495011.06	3859701.99	0.14407	0.05584	0.1261	0.13864	0.29372	0.35602	0.0592	0.05584	2.65958883	0.002375906	3.024E-07	0.0129207	0.2436864	0.088612	0.009657	0.0087474	3.008093
2149	495061.06	3859701.99	0.14329	0.05515	0.12366	0.13771	0.29011	0.35716	0.0587	0.05515	2.64518972	0.002346547	2.966E-07	0.012834	0.2406913	0.088896	0.00958	0.00863931	2.990898
2150	495111.06	3859701.99	0.1425	0.05443	0.121	0.13655	0.28583	0.35331	0.0582	0.05443	2.63060601	0.002315913	2.902E-07	0.0127259	0.2371404	0.087938	0.009502	0.00852653	2.971701
2151	495161.06	3859701.99	0.14171	0.05355	0.11769	0.13497	0.29622	0.35839	0.0576	0.05355	2.6160223	0.00227847	2.823E-07	0.0125786	0.2457605	0.089202	0.009404	0.00838867	2.966857
2152	495211.06	3859701.99	0.14092	0.05268	0.11473	0.13308	0.30988	0.33026	0.057	0.05268	2.60143859	0.002241453	2.752E-07	0.0124025	0.2570936	0.082201	0.009298	0.00825239	2.956422
2153	495261.06	3859701.99	0.13996	0.05296	0.11454	0.13284	0.32914	0.3011	0.0572	0.05296	2.58371661	0.002253366	2.747E-07	0.0123801	0.2730728	0.074943	0.009329	0.00829625	2.947398
2154	495311.06	3859701.99	0.13912	0.05225	0.1116	0.13084	0.34369	0.29919	0.0566	0.05225	2.56820988	0.002223157	2.677E-07	0.0121937	0.2851442	0.074467	0.009235	0.00818503	2.943289
2155	495361.06	3859701.99	0.13826	0.05196	0.10792	0.12886	0.35884	0.28939	0.0561	0.05196	2.55233394	0.002210818	2.588E-07	0.0120092	0.2977135	0.072028	0.009155	0.0081396	2.937312
2156	495411.06	3859701.99	0.13743	0.05178	0.10328	0.12606	0.37164	0.2823	0.0564	0.05178	2.53701182	0.002203159	2.477E-07	0.0117483	0.3083331	0.070264	0.0092	0.0081114	2.930648
2157	495461.06	3859701.99	0.13654	0.05179	0.0999	0.12372	0.38622	0.27181	0.0563	0.05179	2.52058207	0.002203585	2.396E-07	0.0115302	0.3204295	0.067653	0.009185	0.00811297	2.92347
2158	495511.06	3859701.99	0.13571	0.05132	0.09293	0.12061	0.39445	0.25269	0.0565	0.05132	2.50525994	0.002183587	2.229E-07	0.0112404	0.3272576	0.062894	0.009221	0.00803934	2.910017
2159	495561.06	3859701.99	0.13469	0.05191	0.09365	0.12493	0.39017	0.24058	0.0561	0.05191	2.48643034	0.00220869	2.246E-07	0.011643	0.3237066	0.05988	0.009157	0.00813176	2.884894
2160	495611.06	3859701.99	0.13376	0.052	0.094	0.12569	0.38713	0.23151	0.0559	0.052	2.46926217	0.00221252	2.254E-07	0.0117138	0.3211845	0.057622	0.009131	0.00814586	2.86298
2161	495661.06	3859701.99	0.1328	0.05204	0.09405	0.12603	0.38762	0.22468	0.0558	0.05204	2.4515402	0.002214222	2.256E-07	0.0117455	0.321591	0.055922	0.00911	0.00815213	2.843971
2162	494311.06	3859751.99	0.15143	0.07069	0.13739	0.15062	0.41903	0.64848	0.0684	0.07069	2.79545732	0.00300775	3.295E-07	0.0140372	0.3476505	0.161404	0.011171	0.01107367	3.321655

2163	494361.06	3859751.99	0.15101	0.06964	0.13802	0.14705	0.43372	0.79216	0.0677	0.06964	2.78770395	0.002963075	3.31E-07	0.0137045	0.3598381	0.197166	0.011049	0.01090919	3.361516
2164	494411.06	3859751.99	0.15071	0.06795	0.13699	0.14349	0.44796	1.08567	0.0665	0.06795	2.78216584	0.002891168	3.285E-07	0.0133727	0.3716524	0.27022	0.010856	0.01064445	3.440514
2165	494461.06	3859751.99	0.14962	0.06879	0.14339	0.14489	0.43025	0.98549	0.0676	0.06879	2.76204401	0.002926908	3.439E-07	0.0135031	0.3569592	0.245285	0.011039	0.01077604	3.380982
2166	494511.06	3859751.99	0.14876	0.06884	0.14442	0.14629	0.40214	0.7459	0.068	0.06884	2.74616807	0.002929036	3.464E-07	0.0136336	0.3336376	0.185652	0.011098	0.01078387	3.282335
2167	494561.06	3859751.99	0.14827	0.06775	0.14281	0.14398	0.37281	0.54476	0.0673	0.06775	2.73712248	0.002882658	3.425E-07	0.0134183	0.3093038	0.135589	0.010982	0.01061312	3.198685
2168	494611.06	3859751.99	0.14793	0.06657	0.14017	0.1404	0.34267	0.47108	0.0661	0.06657	2.73084594	0.002832451	3.362E-07	0.0130847	0.284298	0.11725	0.010786	0.01042827	3.14867
2169	494661.06	3859751.99	0.14784	0.06347	0.13302	0.13825	0.30983	0.40716	0.0635	0.06347	2.72918451	0.002700551	3.19E-07	0.0128843	0.2570521	0.101341	0.010358	0.00994265	3.103578
2170	494711.06	3859751.99	0.14703	0.06456	0.13558	0.14134	0.29448	0.38053	0.0642	0.06456	2.71423159	0.002746928	3.252E-07	0.0131723	0.2443169	0.094713	0.010471	0.0101134	3.069538
2171	494761.06	3859751.99	0.14632	0.06417	0.13643	0.1439	0.2913	0.35836	0.0639	0.06417	2.70112471	0.002730335	3.272E-07	0.0134109	0.2416786	0.089195	0.01043	0.01005231	3.048517
2172	494811.06	3859751.99	0.14581	0.06285	0.13347	0.1434	0.29031	0.3402	0.063	0.06285	2.69170991	0.002674171	3.201E-07	0.0133643	0.2408572	0.084675	0.010282	0.00984553	3.033717
2173	494861.06	3859751.99	0.14513	0.06221	0.13255	0.1416	0.29177	0.31322	0.0626	0.06221	2.67915684	0.00264694	3.179E-07	0.0131965	0.2420685	0.077959	0.010212	0.00974527	3.015495
2174	494911.06	3859751.99	0.14444	0.06151	0.13139	0.14183	0.29258	0.31267	0.0621	0.06151	2.66641917	0.002617156	3.151E-07	0.013218	0.2427406	0.077823	0.010135	0.00963562	3.003317
2175	494961.06	3859751.99	0.14374	0.06081	0.13055	0.1419	0.29265	0.31816	0.0616	0.06081	2.6534969	0.002587372	3.131E-07	0.0132245	0.2427986	0.079189	0.010058	0.00952596	2.991829
2176	495011.06	3859751.99	0.14306	0.05995	0.12989	0.14159	0.29215	0.31048	0.0611	0.05995	2.64094383	0.00255078	3.115E-07	0.0131956	0.2423838	0.077277	0.009965	0.00939124	2.976926
2177	495061.06	3859751.99	0.14225	0.05965	0.12947	0.14104	0.28675	0.29971	0.0608	0.05965	2.62599091	0.002538015	3.105E-07	0.0131443	0.2379037	0.074597	0.009931	0.00934425	2.954761
2178	495111.06	3859751.99	0.14152	0.05882	0.12876	0.13993	0.28854	0.30553	0.0603	0.05882	2.61251482	0.0025027	3.088E-07	0.0130409	0.2393888	0.076045	0.009839	0.00921422	2.944118
2179	495161.06	3859751.99	0.14082	0.05781	0.12793	0.13892	0.28604	0.30479	0.0596	0.05781	2.59959255	0.002459726	3.068E-07	0.0129468	0.2373146	0.075861	0.00973	0.00905601	2.928849
2180	495211.06	3859751.99	0.1401	0.05673	0.12581	0.13794	0.28286	0.30447	0.0589	0.05673	2.58630107	0.002413774	3.017E-07	0.0128554	0.2346763	0.075782	0.009613	0.00888682	2.912754
2181	495261.06	3859751.99	0.13925	0.05633	0.12451	0.13713	0.27863	0.29896	0.0586	0.05633	2.57060973	0.002396755	2.986E-07	0.0127799	0.2311669	0.07441	0.009567	0.00882416	2.892106
2182	495311.06	3859751.99	0.13847	0.05547	0.12158	0.13632	0.29105	0.28818	0.058	0.05547	2.55621062	0.002360163	2.916E-07	0.0127045	0.2414712	0.071727	0.009472	0.00868944	2.885256
2183	495361.06	3859751.99	0.13763	0.05475	0.11902	0.13529	0.30548	0.26975	0.0576	0.05475	2.54070389	0.002329528	2.855E-07	0.0126085	0.2534431	0.06714	0.009394	0.00857665	2.877042
2184	495411.06	3859751.99	0.13679	0.05407	0.11647	0.13376	0.32019	0.25982	0.0571	0.05407	2.52519716	0.002300595	2.793E-07	0.0124659	0.2656473	0.064668	0.009319	0.00847013	2.871128
2185	495461.06	3859751.99	0.13602	0.05275	0.11196	0.13121	0.33228	0.24753	0.0562	0.05275	2.51098266	0.002244431	2.685E-07	0.0122282	0.2756779	0.061609	0.009175	0.00826335	2.863655
2186	495511.06	3859751.99	0.13522	0.05144	0.10837	0.1285	0.34429	0.23286	0.0553	0.05144	2.49621435	0.002188693	2.599E-07	0.0119757	0.285642	0.057958	0.00903	0.00805814	2.854951
2187	495561.06	3859751.99	0.13432	0.05139	0.10678	0.12653	0.3591	0.22652	0.0549	0.05139	2.47959999	0.002186565	2.561E-07	0.0117921	0.2979292	0.05638	0.008953	0.00805031	2.848791
2188	495611.06	3859751.99	0.13341	0.05147	0.10492	0.12448	0.37402	0.22622	0.0548	0.05147	2.46280104	0.002189969	2.516E-07	0.011601	0.3103077	0.056305	0.008948	0.00806284	2.844091
2189	495661.06	3859751.99	0.13246	0.05169	0.10422	0.12279	0.39045	0.22681	0.0547	0.05169	2.44526366	0.00219933	2.5E-07	0.0114435	0.3239389	0.056452	0.008924	0.0080973	2.840124
2190	494311.06	3859801.99	0.14896	0.07535	0.13055	0.16292	0.3677	0.63526	0.0708	0.07535	2.74986015	0.003206026	3.131E-07	0.0151835	0.3050643	0.158114	0.01155	0.01180367	3.231175
2191	494361.06	3859801.99	0.14888	0.07346	0.12815	0.15723	0.38301	0.73737	0.0692	0.07346	2.74838332	0.00312561	3.073E-07	0.0146532	0.3177663	0.183529	0.011302	0.0115076	3.267252
2192	494411.06	3859801.99	0.14882	0.07115	0.12453	0.15107	0.39824	1.06784	0.0675	0.07115	2.74727569	0.003027323	2.987E-07	0.0140791	0.3304019	0.265782	0.011021	0.01114573	3.360442
2193	494461.06	3859801.99	0.14779	0.07169	0.12469	0.15436	0.41224	1.0226	0.0685	0.07169	2.72826149	0.003050299	2.99E-07	0.0143857	0.3420171	0.254522	0.011175	0.01123033	3.342181
2194	494511.06	3859801.99	0.14665	0.07243	0.12568	0.15836	0.42425	0.72726	0.0696	0.07243	2.70721664	0.003081785	3.014E-07	0.0147585	0.3519813	0.181013	0.011354	0.01134625	3.258059
2195	494561.06	3859801.99	0.14618	0.07132	0.12557	0.156	0.43695	0.56652	0.069	0.07132	2.69854026	0.003034556	3.012E-07	0.0145386	0.3625179	0.141005	0.011255	0.01117236	3.219719
2196	494611.06	3859801.99	0.14626	0.06851	0.12448	0.14779	0.40815	0.47912	0.0667	0.06851	2.70001709	0.002914995	2.985E-07	0.0137734	0.3386238	0.119251	0.010891	0.01073217	3.174739
2197	494661.06	3859801.99	0.14582	0.0672	0.12421	0.1446	0.37903	0.42066	0.0659	0.0672	2.69189451	0.002859256	2.979E-07	0.0134761	0.3144643	0.104701	0.01075	0.01052696	3.127619
2198	494711.06	3859801.99	0.14549	0.06634	0.12359	0.13988	0.34911	0.36723	0.0646	0.06634	2.68580258	0.002822665	2.964E-07	0.0130362	0.289641	0.091402	0.010541	0.01039224	3.082854
2199	494761.06	3859801.99	0.14441	0.06709	0.12448	0.14319	0.32566	0.34089	0.0655	0.06709	2.66586536	0.002854576	2.985E-07	0.0133447	0.2701856	0.084846	0.01069	0.01050973	3.037277
2200	494811.06	3859801.99	0.1439	0.06703	0.12434	0.14009	0.29856	0.33329	0.0647	0.06703	2.65645056	0.002852023	2.982E-07	0.0130558	0.2477019	0.082955	0.010556	0.01050033	3.003071
2201	494861.06	3859801.99	0.14321	0.06657	0.12416	0.14181	0.28446	0.31005	0.0643	0.06657	2.64371289	0.002832451	2.978E-07	0.0132161	0.2360038	0.07717	0.010499	0.01042827	2.973006
2202	494911.06	3859801.99	0.14273	0.06522	0.12369	0.14102	0.28261	0.30997	0.0633	0.06522	2.6348519	0.00277501	2.967E-07	0.0131425	0.2344689	0.07715	0.010334	0.01021679	2.962506
2203	494961.06	3859801.99	0.14207	0.06451	0.1235	0.14127	0.28251	0.30966	0.0628	0.06451	2.62266804	0.002744801	2.962E-07	0.0131658	0.2343859	0.077073	0.010254	0.01010557	2.950187
2204	495011.06	3859801.99	0.14142	0.06367	0.12322	0.14151	0.28403	0.29617	0.0623	0.06367	2.61066878	0.00270906	2.955E-07	0.0131881	0.235647	0.073716	0.010161	0.00997398	2.936116
2205	495061.06	3859801.99	0.14067	0.06319	0.12307	0.14163	0.28451	0.28984	0.0619	0.06319	2.59682349	0.002688637	2.952E-07	0.0131993	0.2360452	0.07214	0.010105	0.00989879	2.921104
2206	495111.06	3859801.99	0.14006	0.06203	0.12257	0.14072	0.28505	0.2788	0.0611	0.06203	2.58556265	0.002639281	2.94E-07	0.0131145	0.2364933	0.069392	0.009978	0.00971708	2.907463
2207	495161.06	3859801.99	0.1394	0.061	0.1221	0.13959	0.28474	0.27069	0.0604	0.061	2.57337879	0.002595456	2.928E-07	0.0130092	0.2362361	0.067374	0.009866	0.00955572	2.892903
2208	495211.06	3859801.99	0.13861	0.06051	0.12184	0.13846	0.27929	0.27278	0.0601	0.06051	2.55879508	0.002574607	2.922E-07	0.0129039	0.2317144	0.067894	0.009812	0.00947897	2.874215
2209	495261.06	3859801.99	0.13792	0.05942	0.12127	0.13746	0.28161	0.26917	0.0594	0.05942	2.54605741	0.002528229	2.908E-07	0.0128107	0.2336392	0.066995	0.009694	0.00930822	2.862417
2210	495311.06	3859801.99	0.13709	0.05903	0.12099	0.1365	0.27871	0.25647	0.0591	0.05903	2.53073528	0.002511635	2.902E-07	0.0127212	0.2312332	0.063835	0.00965	0.00924712	2.841439
2211	495361.06	3859801.99	0.13633	0.05813	0.12044	0.13567	0.27564	0.2536	0.0585	0.05813	2.51670538	0.002473342	2.889E-07	0.0126439	0.2286862	0.06312	0.009552	0.00910614	2.824075
2212	495411.06	3859801.99	0.13561	0.05695	0.1197	0.13491	0.27211	0.25708	0.0578	0.05695	2.5034139	0.002423135	2.871E-07	0.0125731	0.2257575	0.063986	0.009428	0.00892129	2.808661
2213	495461.06	3859801.99	0.1348	0.05617	0.11913	0.13415	0.28142	0.23973	0.0572	0.05617	2.48846098	0.002389947	2.857E-07	0.0125022	0.2334816	0.059668	0.009343	0.0087991	2.797047
2214	495511.06	3859801.99	0.13409	0.05467	0.11653	0.13344	0.29223	0.23483	0.0563	0.05467	2.4753541	0.002326124	2.795E-07	0.0124361	0.2424502	0.058448	0.009185	0.00856412	2.791636
2215	495561.06	3859801.99	0.13321	0.05413	0.11472	0.1326	0.30701	0.23827	0.0559	0.05413	2.45910896	0.002303148	2.751E-07	0.0123578	0.2547125	0.059305	0.009126	0.00847953	2.788434
2216	495611.06	3859801.99	0.13224	0.05418	0.11474	0.13166	0.32435	0.23024	0.0559	0.05418	2.44120238	0.002305275	2.752E-07	0.0122702	0.2690987	0.057306	0.009128	0.00848736	2.782823
2217	495661.06	3859801.99	0.13152	0.05293	0.11035	0.12947	0.33647	0.2192	0.0551	0.05293	2.42791089	0.00225209	2.647E-07	0.0120661	0.2791541	0.054558	0.008996	0.00829155	2.776646
2218	494311.06	3859851.99	0.14723	0.07428	0.12824	0.15771	0.31835	0.6102	0.0749	0.07428	2.71792367	0.003160499	3.076E-07	0.0146979	0.2641208	0.151877	0.012226	0.01163605	3.15237
2219	494361.06	3859851.99	0.14675	0.07407	0.12701	0.1571	0.33323	0.68734	0.0735	0.07407	2.70906268	0.003151564	3.046E-07	0.0146411	0.2764661	0.171077	0.011996	0.01160316	3.174791

2220	494411.06	3859851.99	0.14642	0.0748	0.12554	0.156	0.34815	1.02197	0.0715	0.0748	2.70297075	0.003182625	3.011E-07	0.0145386	0.2888445	0.254365	0.011664	0.01171751	3.263848
2221	494461.06	3859851.99	0.14576	0.074	0.12569	0.15555	0.36318	1.03979	0.0704	0.074	2.69078689	0.003148586	3.014E-07	0.0144966	0.3013142	0.2588	0.011498	0.01159219	3.268452
2222	494511.06	3859851.99	0.14457	0.07396	0.12735	0.15652	0.37754	0.73497	0.0714	0.07396	2.66881902	0.003146884	3.054E-07	0.014587	0.3132281	0.182932	0.011651	0.01158592	3.182778
2223	494561.06	3859851.99	0.14356	0.07424	0.12606	0.15731	0.39034	0.55498	0.0728	0.07424	2.65017403	0.003158797	3.023E-07	0.0146606	0.3238477	0.138133	0.011883	0.01162979	3.130227
2224	494611.06	3859851.99	0.1438	0.07108	0.12133	0.15178	0.40553	0.47099	0.069	0.07108	2.65460452	0.003024344	2.91E-07	0.0141453	0.3364501	0.117228	0.01126	0.01113477	3.125577
2225	494661.06	3859851.99	0.143	0.07079	0.1193	0.15211	0.41766	0.41078	0.0694	0.07079	2.63983621	0.003012005	2.861E-07	0.014176	0.3465139	0.102242	0.011333	0.01108934	3.106024
2226	494711.06	3859851.99	0.14285	0.06864	0.117	0.14589	0.41478	0.377	0.067	0.06864	2.63706715	0.002920526	2.806E-07	0.0135963	0.3441244	0.093834	0.010943	0.01075254	3.091733
2227	494761.06	3859851.99	0.14183	0.06899	0.1162	0.14823	0.3893	0.37029	0.0684	0.06899	2.61823755	0.002935418	2.787E-07	0.0138144	0.3229848	0.092164	0.011157	0.01080737	3.050486
2228	494811.06	3859851.99	0.14133	0.06783	0.1144	0.14523	0.36233	0.33903	0.0674	0.06783	2.60900735	0.002886062	2.744E-07	0.0135348	0.300609	0.084383	0.010993	0.01062565	3.010789
2229	494861.06	3859851.99	0.14059	0.06734	0.11398	0.14447	0.33712	0.33757	0.0673	0.06734	2.59534666	0.002865213	2.734E-07	0.013464	0.2796934	0.08402	0.010989	0.01054889	2.975829
2230	494911.06	3859851.99	0.14016	0.06743	0.11374	0.14054	0.31057	0.32826	0.0659	0.06743	2.58740869	0.002869042	2.728E-07	0.0130977	0.2576661	0.081703	0.010757	0.01056299	2.942938
2231	494961.06	3859851.99	0.13954	0.06823	0.11386	0.13907	0.28579	0.30884	0.0652	0.06823	2.57596325	0.002903081	2.731E-07	0.0129607	0.2371072	0.076869	0.010639	0.01068831	2.905755
2232	495011.06	3859851.99	0.13892	0.06778	0.11392	0.14067	0.27542	0.28896	0.0644	0.06778	2.5645178	0.002883934	2.732E-07	0.0131099	0.2285037	0.071921	0.010512	0.01061782	2.880831
2233	495061.06	3859851.99	0.13821	0.0673	0.1141	0.14018	0.27238	0.28611	0.064	0.0673	2.55141092	0.002863511	2.737E-07	0.0130642	0.2259815	0.071212	0.01045	0.01054263	2.86444
2234	495111.06	3859851.99	0.13771	0.06595	0.11387	0.13876	0.27467	0.28712	0.0626	0.06595	2.54218073	0.002806071	2.731E-07	0.0129319	0.2278814	0.071463	0.010213	0.01033115	2.857146
2235	495161.06	3859851.99	0.13707	0.06501	0.11379	0.13759	0.27624	0.28517	0.0616	0.06501	2.53036607	0.002766075	2.729E-07	0.0128228	0.229184	0.070978	0.010061	0.0101839	2.845995
2236	495211.06	3859851.99	0.13639	0.06421	0.11373	0.13634	0.27475	0.28033	0.0609	0.06421	2.51781301	0.002732036	2.728E-07	0.0127063	0.2279478	0.069773	0.009936	0.01005857	2.83085
2237	495261.06	3859851.99	0.13573	0.06327	0.11358	0.13507	0.27732	0.26537	0.0602	0.06327	2.50562915	0.002692041	2.724E-07	0.012588	0.23008	0.06605	0.009833	0.00991132	2.816961
2238	495311.06	3859851.99	0.13496	0.06272	0.11356	0.13397	0.27652	0.26496	0.0599	0.06272	2.49141465	0.002668639	2.724E-07	0.0124854	0.2294163	0.065948	0.009771	0.00982516	2.801879
2239	495361.06	3859851.99	0.13423	0.06197	0.11341	0.13296	0.27367	0.26436	0.0594	0.06197	2.47793856	0.002636728	2.72E-07	0.0123913	0.2270518	0.065798	0.009689	0.00970768	2.785799
2240	495411.06	3859851.99	0.13357	0.06079	0.11305	0.13235	0.27401	0.25979	0.0586	0.06079	2.4657547	0.002586521	2.711E-07	0.0123345	0.2273339	0.064661	0.009565	0.00952283	2.772713
2241	495461.06	3859851.99	0.13311	0.05968	0.11267	0.13137	0.27193	0.26177	0.0579	0.05968	2.45726292	0.002539292	2.702E-07	0.0122431	0.2256082	0.065154	0.009451	0.00934894	2.762909
2242	495511.06	3859851.99	0.13274	0.05834	0.11215	0.13044	0.26938	0.25226	0.0571	0.05834	2.45043257	0.002482277	2.69E-07	0.0121565	0.2234926	0.062787	0.009314	0.00913903	2.751526
2243	495561.06	3859851.99	0.13209	0.058	0.11204	0.12916	0.26535	0.24626	0.0568	0.058	2.43843332	0.002467811	2.687E-07	0.0120372	0.220149	0.061293	0.009275	0.00908577	2.73457
2244	495611.06	3859851.99	0.1315	0.05753	0.11183	0.12793	0.27482	0.24171	0.0565	0.05753	2.42754169	0.002447813	2.682E-07	0.0119225	0.2280059	0.060161	0.009224	0.00901214	2.730291
2245	495661.06	3859851.99	0.1311	0.05628	0.11123	0.12696	0.28628	0.24267	0.0557	0.05628	2.42015753	0.002394627	2.668E-07	0.0118321	0.2375137	0.0604	0.009097	0.00881633	2.732578
2246	494311.06	3859901.99	0.14601	0.07899	0.13763	0.15575	0.2959	0.57682	0.0763	0.07899	2.69540199	0.003360903	3.301E-07	0.0145153	0.245495	0.143569	0.012459	0.01237388	3.102427
2247	494361.06	3859901.99	0.14614	0.07595	0.13429	0.15214	0.30297	0.68764	0.0745	0.07595	2.69780184	0.003231555	3.221E-07	0.0141788	0.2513607	0.171151	0.012167	0.01189766	3.137994
2248	494411.06	3859901.99	0.14501	0.07561	0.13207	0.15044	0.30605	0.98651	0.0746	0.07561	2.6769416	0.003217089	3.167E-07	0.0140204	0.253916	0.245539	0.01217	0.0118444	3.19396
2249	494461.06	3859901.99	0.14436	0.07432	0.12943	0.15105	0.31538	1.13866	0.0745	0.07432	2.66494234	0.003162201	3.104E-07	0.0140772	0.2616567	0.283409	0.012161	0.01164232	3.227766
2250	494511.06	3859901.99	0.14336	0.07378	0.12711	0.15204	0.33005	0.79737	0.0745	0.07378	2.64648195	0.003139225	3.049E-07	0.0141695	0.2738277	0.198463	0.012164	0.01155773	3.136687
2251	494561.06	3859901.99	0.14158	0.07595	0.12605	0.15369	0.34373	0.56988	0.0747	0.07595	2.61362245	0.003231555	3.023E-07	0.0143233	0.2851774	0.141841	0.01219	0.01189766	3.058488
2252	494611.06	3859901.99	0.14212	0.07387	0.12342	0.14942	0.35834	0.48879	0.0729	0.07387	2.62359106	0.003143055	2.96E-07	0.0139253	0.2972987	0.121658	0.011903	0.01157183	3.059947
2253	494661.06	3859901.99	0.14062	0.07388	0.1261	0.15223	0.3707	0.45859	0.0746	0.07388	2.59590047	0.00314348	3.024E-07	0.0141872	0.3075532	0.114141	0.012175	0.01157339	3.035528
2254	494711.06	3859901.99	0.14107	0.07102	0.12193	0.14245	0.38583	0.40744	0.0706	0.07102	2.60420765	0.003021791	2.924E-07	0.0132758	0.3201059	0.10141	0.011526	0.01112537	3.042422
2255	494761.06	3859901.99	0.13992	0.07089	0.12005	0.14326	0.39754	0.39517	0.0714	0.07089	2.58297819	0.00301626	2.879E-07	0.0133512	0.3298212	0.098356	0.011655	0.011105	3.028073
2256	494811.06	3859901.99	0.13878	0.07114	0.11856	0.14411	0.40789	0.39245	0.0722	0.07114	2.56193335	0.003026897	2.843E-07	0.0134305	0.3384081	0.097679	0.011785	0.01114417	3.01512
2257	494861.06	3859901.99	0.13798	0.07097	0.11716	0.1428	0.39684	0.37223	0.072	0.07097	2.54716503	0.003019664	2.81E-07	0.0133084	0.3292404	0.092647	0.011754	0.01111754	2.986017
2258	494911.06	3859901.99	0.13765	0.06944	0.11525	0.13857	0.3712	0.36615	0.0705	0.06944	2.5410731	0.002954565	2.764E-07	0.0129142	0.3079681	0.091133	0.011499	0.01087786	2.956665
2259	494961.06	3859901.99	0.13695	0.06906	0.11367	0.13688	0.34663	0.35718	0.0701	0.06906	2.52815083	0.002938396	2.726E-07	0.0127566	0.2875834	0.088901	0.011436	0.01081833	2.920948
2260	495011.06	3859901.99	0.13653	0.06784	0.11176	0.13568	0.32153	0.34466	0.0688	0.06784	2.52039746	0.002886487	2.68E-07	0.0126448	0.2667591	0.085785	0.011232	0.01062722	2.889077
2261	495061.06	3859901.99	0.136	0.06735	0.11224	0.13653	0.29737	0.3398	0.0679	0.06735	2.51061345	0.002865639	2.692E-07	0.012724	0.2467146	0.084575	0.011088	0.01055046	2.858031
2262	495111.06	3859901.99	0.1357	0.06834	0.11094	0.13567	0.27247	0.3185	0.0664	0.06834	2.50507534	0.002907762	2.661E-07	0.0126439	0.2260562	0.079274	0.01083	0.01070554	2.826082
2263	495161.06	3859901.99	0.13532	0.06818	0.10822	0.13583	0.26775	0.29511	0.065	0.06818	2.49806039	0.002900954	2.595E-07	0.0126588	0.2221402	0.073452	0.010613	0.01068048	2.809145
2264	495211.06	3859901.99	0.13461	0.06786	0.10921	0.13563	0.26527	0.28905	0.0649	0.06786	2.48495351	0.002887338	2.619E-07	0.0126402	0.2200827	0.071944	0.010587	0.01063035	2.792464
2265	495261.06	3859901.99	0.13437	0.06628	0.10744	0.13258	0.2682	0.29186	0.0631	0.06628	2.48052301	0.002820112	2.577E-07	0.0123559	0.2225136	0.072643	0.0103	0.01038284	2.790773
2266	495311.06	3859901.99	0.13367	0.06598	0.10473	0.13014	0.26884	0.29509	0.063	0.06598	2.46760074	0.002807347	2.512E-07	0.0121285	0.2230445	0.073447	0.010277	0.01033585	2.778969
2267	495361.06	3859901.99	0.13322	0.06501	0.10401	0.12865	0.26663	0.28025	0.062	0.06501	2.45929356	0.002766075	2.495E-07	0.0119896	0.221211	0.069753	0.010119	0.0101839	2.764948
2268	495411.06	3859901.99	0.13287	0.06374	0.10392	0.12839	0.27053	0.28318	0.0607	0.06374	2.45283242	0.002712039	2.492E-07	0.0119654	0.2244467	0.070483	0.009903	0.00998495	2.762357
2269	495461.06	3859901.99	0.13244	0.06274	0.10389	0.12832	0.26549	0.27046	0.0597	0.06274	2.44489445	0.00266949	2.492E-07	0.0119589	0.2202652	0.067317	0.009741	0.0098283	2.747018
2270	495511.06	3859901.99	0.13183	0.06228	0.10407	0.12891	0.26571	0.26075	0.0594	0.06228	2.43363362	0.002649918	2.496E-07	0.0120139	0.2204477	0.0649	0.009689	0.00975624	2.733578
2271	495561.06	3859901.99	0.13124	0.0618	0.10419	0.12925	0.26672	0.25892	0.059	0.0618	2.42274198	0.002629495	2.499E-07	0.0120456	0.2212857	0.064444	0.009634	0.00968105	2.7231
2272	495611.06	3859901.99	0.13085	0.06066	0.104	0.12831	0.26488	0.25377	0.0579	0.06066	2.41554243	0.002580989	2.494E-07	0.011958	0.2197591	0.063162	0.009446	0.00950246	2.712947
2273	495661.06	3859901.99	0.1305	0.0594	0.10372	0.12702	0.26249	0.24445	0.0566	0.0594	2.40908129	0.002527378	2.488E-07	0.0118377	0.2177762	0.060843	0.009237	0.00930508	2.701998
2274	494311.06	3859951.99	0.14531	0.08471	0.14116	0.15788	0.26591	0.58514	0.0818	0.08471	2.68247971	0.00360428	3.385E-07	0.0147138	0.2206137	0.145639	0.013355	0.01326992	3.067137
2275	494361.06	3859951.99	0.14388	0.0824	0.13698	0.1527	0.26545	0.66565	0.08	0.0824	2.65608135	0.003505993	3.285E-07	0.014231	0.220232	0.165678	0.013065	0.01290806	3.059885
2276	494411.06	3859951.99	0.14341	0.0807	0.13297	0.151	0.26963	0.98245	0.0787	0.0807	2.64740497	0.003433661	3.189E-07	0.0140726	0.2237	0.244528	0.012838	0.01264175	3.133336

2277	494461.06	3859951.99	0.14274	0.07943	0.12924	0.14946	0.29073	1.14967	0.0769	0.07943	2.6350365	0.003379624	3.1E-07	0.0139291	0.2412057	0.286149	0.012557	0.01244281	3.179815
2278	494511.06	3859951.99	0.14172	0.07894	0.12727	0.14753	0.29408	0.80245	0.076	0.07894	2.6162069	0.003358775	3.052E-07	0.0137492	0.243985	0.199727	0.012412	0.01236605	3.077073
2279	494561.06	3859951.99	0.13964	0.08049	0.12745	0.15019	0.30049	0.67214	0.0794	0.08049	2.57780928	0.003424725	3.057E-07	0.0139971	0.2493031	0.167293	0.012964	0.01260886	3.012183
2280	494611.06	3859951.99	0.14008	0.07722	0.12595	0.14928	0.31313	0.58331	0.0751	0.07722	2.58593186	0.003285592	3.021E-07	0.0139123	0.25979	0.145184	0.01225	0.01209661	3.008258
2281	494661.06	3859951.99	0.13865	0.07758	0.12553	0.15025	0.32071	0.56069	0.0766	0.07758	2.5595335	0.003300909	3.011E-07	0.0140027	0.2660788	0.139554	0.012507	0.012153	2.982824
2282	494711.06	3859951.99	0.13893	0.07468	0.12382	0.14998	0.33958	0.47816	0.0743	0.07468	2.56470241	0.003177519	2.97E-07	0.0139775	0.2817344	0.119012	0.012125	0.01169871	2.98303
2283	494761.06	3859951.99	0.13803	0.07409	0.12454	0.15024	0.35199	0.46287	0.0743	0.07409	2.54808805	0.003152415	2.987E-07	0.0140017	0.2920304	0.115207	0.012131	0.01160629	2.973005
2284	494811.06	3859951.99	0.13731	0.07321	0.12454	0.14798	0.36413	0.4601	0.0743	0.07321	2.53479657	0.003114973	2.987E-07	0.0137911	0.3021024	0.114517	0.012126	0.01146844	2.968981
2285	494861.06	3859951.99	0.13626	0.07296	0.12235	0.14545	0.37456	0.4567	0.0743	0.07296	2.51541316	0.003104335	2.934E-07	0.0135553	0.3107557	0.113671	0.012128	0.01142927	2.957199
2286	494911.06	3859951.99	0.13602	0.07265	0.11958	0.14263	0.38707	0.41879	0.0742	0.07265	2.51098266	0.003091145	2.868E-07	0.0132925	0.3211347	0.104235	0.012107	0.01138071	2.953463
2287	494961.06	3859951.99	0.13567	0.07187	0.11727	0.13983	0.39884	0.39092	0.0728	0.07187	2.50452152	0.003057958	2.813E-07	0.0130316	0.3308997	0.097299	0.011883	0.01125852	2.949434
2288	495011.06	3859951.99	0.13524	0.0708	0.11558	0.13729	0.37756	0.37652	0.0717	0.0708	2.49658356	0.003012431	2.772E-07	0.0127949	0.3132447	0.093715	0.011707	0.01109091	2.919966
2289	495061.06	3859951.99	0.13465	0.07021	0.11397	0.13468	0.3539	0.3705	0.0711	0.07021	2.48569192	0.002987327	2.733E-07	0.0125516	0.293615	0.092216	0.011609	0.01099848	2.887673
2290	495111.06	3859951.99	0.13439	0.06866	0.11202	0.13216	0.32933	0.36127	0.0696	0.06866	2.48089222	0.002921377	2.687E-07	0.0123168	0.2732304	0.089919	0.011353	0.01075567	2.859877
2291	495161.06	3859951.99	0.13409	0.06725	0.11004	0.13213	0.30488	0.35114	0.0681	0.06725	2.4753541	0.002861384	2.639E-07	0.012314	0.2529453	0.087398	0.011119	0.01053479	2.831457
2292	495211.06	3859951.99	0.13377	0.06774	0.10803	0.12964	0.28085	0.33605	0.0668	0.06774	2.46944678	0.002882233	2.591E-07	0.0120819	0.2330087	0.083642	0.010899	0.01061155	2.801349
2293	495261.06	3859951.99	0.13329	0.06847	0.10842	0.13021	0.26199	0.31008	0.066	0.06847	2.46058579	0.002913293	2.6E-07	0.012135	0.2173614	0.077178	0.010765	0.01072591	2.770213
2294	495311.06	3859951.99	0.13253	0.06883	0.11014	0.13135	0.25889	0.30165	0.0661	0.06883	2.44655589	0.00292861	2.642E-07	0.0122413	0.2147895	0.07508	0.010781	0.0107823	2.751594
2295	495361.06	3859951.99	0.132	0.0686	0.11146	0.13195	0.25829	0.3011	0.0655	0.0686	2.43677188	0.002918824	2.673E-07	0.0122972	0.2142917	0.074943	0.010687	0.01074627	2.741163
2296	495411.06	3859951.99	0.13169	0.06737	0.11235	0.13062	0.26072	0.29651	0.0642	0.06737	2.43104916	0.00286649	2.695E-07	0.0121732	0.2163077	0.0738	0.010474	0.01055359	2.736118
2297	495461.06	3859951.99	0.1313	0.06636	0.10978	0.12791	0.26227	0.29537	0.0632	0.06636	2.42384961	0.002823516	2.633E-07	0.0119207	0.2175937	0.073517	0.010313	0.01039537	2.729622
2298	495511.06	3859951.99	0.13092	0.06532	0.10675	0.12656	0.25955	0.28812	0.0621	0.06532	2.41683466	0.002779265	2.56E-07	0.0117949	0.215337	0.071712	0.010143	0.01023246	2.718369
2299	495561.06	3859951.99	0.13017	0.06533	0.10486	0.1282	0.26219	0.2844	0.0624	0.06533	2.40298936	0.002779691	2.515E-07	0.0119477	0.2175273	0.070786	0.010192	0.01023402	2.705989
2300	495611.06	3859951.99	0.12984	0.06417	0.10195	0.12802	0.25773	0.2663	0.0613	0.06417	2.39689743	0.002730335	2.445E-07	0.0119309	0.2138271	0.066281	0.009998	0.01005231	2.691613
2301	495661.06	3859951.99	0.12962	0.06269	0.09887	0.12716	0.2584	0.24508	0.0597	0.06269	2.39283615	0.002667363	2.371E-07	0.0118508	0.2143829	0.061	0.00974	0.00982046	2.682656
2302	494311.06	3860001.99	0.14723	0.08894	0.15476	0.16722	0.25819	0.65247	0.0862	0.08894	2.71792367	0.00378426	3.712E-07	0.0155842	0.2142087	0.162398	0.014075	0.01393256	3.114041
2303	494361.06	3860001.99	0.14526	0.08732	0.14853	0.16458	0.25559	0.75778	0.0855	0.08732	2.68155669	0.003715331	3.562E-07	0.0153382	0.2120516	0.188609	0.013954	0.01367878	3.101547
2304	494411.06	3860001.99	0.14363	0.08492	0.14497	0.15858	0.26004	0.9919	0.0823	0.08492	2.65146625	0.003613215	3.477E-07	0.014779	0.2157436	0.246881	0.013432	0.01330282	3.132612
2305	494461.06	3860001.99	0.14144	0.08496	0.14361	0.15799	0.25998	1.07701	0.0822	0.08496	2.61103799	0.003614917	3.444E-07	0.014724	0.2156938	0.268064	0.013416	0.01330909	3.113242
2306	494511.06	3860001.99	0.14031	0.08272	0.14158	0.15436	0.26168	0.9731	0.0803	0.08272	2.59017775	0.003519608	3.396E-07	0.0143857	0.2171042	0.242201	0.013112	0.01295819	3.067543
2307	494561.06	3860001.99	0.13763	0.0859	0.1415	0.16052	0.26553	0.80022	0.0834	0.0859	2.54070389	0.003654913	3.394E-07	0.0149598	0.2202984	0.199172	0.013607	0.01345634	2.97894
2308	494611.06	3860001.99	0.13746	0.08348	0.13854	0.1581	0.27591	0.76619	0.0832	0.08348	2.53756563	0.003551945	3.323E-07	0.0147343	0.2289102	0.190702	0.013574	0.01307724	2.975961
2309	494661.06	3860001.99	0.13664	0.08222	0.13345	0.15559	0.28648	0.68128	0.0824	0.08222	2.52242811	0.003498334	3.201E-07	0.0145003	0.2376797	0.169568	0.013453	0.01287986	2.948248
2310	494711.06	3860001.99	0.13773	0.0766	0.12793	0.1467	0.29663	0.60352	0.076	0.0766	2.54254993	0.003259212	3.068E-07	0.0136718	0.2461007	0.150214	0.012412	0.01199948	2.956208
2311	494761.06	3860001.99	0.13606	0.07807	0.12569	0.15051	0.30662	0.55606	0.0782	0.07807	2.51172108	0.003321758	3.014E-07	0.0140269	0.2543889	0.138401	0.012763	0.01222976	2.922394
2312	494811.06	3860001.99	0.13518	0.07806	0.12619	0.14789	0.31616	0.50277	0.0783	0.07806	2.49547593	0.003321333	3.026E-07	0.0137827	0.2623038	0.125138	0.012781	0.01222819	2.900574
2313	494861.06	3860001.99	0.13416	0.07848	0.12813	0.14723	0.32522	0.47319	0.0788	0.07848	2.47664633	0.003339203	3.073E-07	0.0137212	0.2698205	0.117775	0.012859	0.01229399	2.881868
2314	494911.06	3860001.99	0.13501	0.07346	0.12324	0.14247	0.34662	0.42476	0.074	0.07346	2.49233766	0.00312561	2.956E-07	0.0132776	0.2875751	0.105721	0.012079	0.0115076	2.902609
2315	494961.06	3860001.99	0.13415	0.07378	0.12218	0.14125	0.34165	0.40287	0.0742	0.07378	2.47646173	0.003139225	2.93E-07	0.0131639	0.2834518	0.100273	0.012115	0.01155773	2.877047
2316	495011.06	3860001.99	0.13385	0.07245	0.11933	0.13797	0.36951	0.38186	0.0732	0.07245	2.47092361	0.003082636	2.862E-07	0.0128582	0.3065659	0.095044	0.011948	0.01134938	2.889073
2317	495061.06	3860001.99	0.13297	0.07218	0.11748	0.13823	0.37889	0.38323	0.0735	0.07218	2.45467846	0.003071148	2.818E-07	0.0128825	0.3143481	0.095385	0.012004	0.01130708	2.881062
2318	495111.06	3860001.99	0.13274	0.07132	0.11576	0.13471	0.38222	0.36944	0.0721	0.07132	2.45043257	0.003034556	2.776E-07	0.0125544	0.3171109	0.091952	0.011762	0.01117236	2.875675
2319	495161.06	3860001.99	0.13251	0.06989	0.11397	0.13127	0.35945	0.35397	0.0706	0.06989	2.44618668	0.002973712	2.733E-07	0.0122338	0.2982196	0.088102	0.011527	0.01094835	2.848295
2320	495211.06	3860001.99	0.13173	0.07007	0.11254	0.13122	0.33759	0.34083	0.0708	0.07007	2.43178758	0.00298137	2.699E-07	0.0122292	0.2800834	0.084831	0.011557	0.01097655	2.812493
2321	495261.06	3860001.99	0.13143	0.06886	0.11069	0.13119	0.31475	0.3255	0.0696	0.06886	2.42624946	0.002929887	2.655E-07	0.0122264	0.261134	0.081016	0.011359	0.010787	2.784128
2322	495311.06	3860001.99	0.13092	0.06833	0.10897	0.13259	0.29306	0.31951	0.0691	0.06833	2.41683466	0.002907336	2.613E-07	0.0123568	0.2431388	0.079525	0.011271	0.01070398	2.75533
2323	495361.06	3860001.99	0.13101	0.06731	0.10696	0.13168	0.26823	0.31139	0.0667	0.06731	2.41849609	0.002863937	2.565E-07	0.012272	0.2225385	0.077504	0.010881	0.01054419	2.734011
2324	495411.06	3860001.99	0.13016	0.06738	0.10543	0.13343	0.25175	0.31166	0.0672	0.06738	2.40280476	0.002866915	2.529E-07	0.0124351	0.2088657	0.077571	0.010971	0.01055516	2.704959
2325	495461.06	3860001.99	0.12977	0.068	0.10664	0.13152	0.25027	0.30351	0.0663	0.068	2.39560521	0.002893295	2.558E-07	0.0122571	0.2076378	0.075543	0.010827	0.01065228	2.694111
2326	495511.06	3860001.99	0.12937	0.06851	0.10781	0.13003	0.2513	0.28357	0.0656	0.06851	2.38822105	0.002914995	2.586E-07	0.0121183	0.2084924	0.07058	0.0107	0.01073217	2.682294
2327	495561.06	3860001.99	0.12872	0.06793	0.10923	0.12817	0.25199	0.28178	0.0655	0.06793	2.37622179	0.002890317	2.62E-07	0.0119449	0.2090649	0.070134	0.010698	0.01064132	2.670313
2328	495611.06	3860001.99	0.12852	0.06769	0.10968	0.12607	0.25421	0.27256	0.0641	0.06769	2.37252971	0.002880105	2.63E-07	0.0117492	0.2109067	0.067839	0.010461	0.01060372	2.665763
2329	495661.06	3860001.99	0.12828	0.06643	0.10898	0.12558	0.255	0.26392	0.0628	0.06643	2.36809922	0.002826494	2.614E-07	0.0117035	0.2115621	0.065689	0.010246	0.01040634	2.65972
2330	494411.06	3860051.99	0.14484	0.08866	0.15627	0.16961	0.25187	1.7804	0.0852	0.08866	2.67380333	0.003772346	3.748E-07	0.015807	0.2089653	0.443136	0.013914	0.0138887	3.345509
2331	494461.06	3860051.99	0.1429	0.08702	0.15437	0.16685	0.25128	1.86792	0.0849	0.08702	2.63799017	0.003702567	3.702E-07	0.0155497	0.2084758	0.464919	0.013858	0.01363179	3.330864
2332	494511.06	3860051.99	0.14087	0.08558	0.15168	0.16465	0.24939	1.25797	0.0845	0.08558	2.60051557	0.003641297	3.638E-07	0.0153447	0.2069077	0.313104	0.013793	0.01340621	3.139901
2333	494561.06	3860051.99	0.13816	0.08746	0.14952	0.16774	0.25457	0.88334	0.0838	0.08746	2.5504879	0.003721288	3.586E-07	0.0156327	0.2112054	0.21986	0.013675	0.01370072	3.000882

2334	494611.06	3860051.99	0.13588	0.0878	0.14692	0.16704	0.25414	0.73365	0.0841	0.0878	2.50839821	0.003735755	3.524E-07	0.0155674	0.2108486	0.182603	0.013729	0.01375398	2.921129
2335	494661.06	3860051.99	0.13432	0.08746	0.14419	0.16536	0.25791	0.65098	0.0837	0.08746	2.47959999	0.003721288	3.458E-07	0.0154109	0.2139764	0.162027	0.013666	0.01370072	2.8747
2336	494711.06	3860051.99	0.13466	0.08571	0.14094	0.15868	0.26257	0.57264	0.082	0.08571	2.48587653	0.003646828	3.38E-07	0.0147883	0.2178426	0.142528	0.013391	0.01342658	2.864647
2337	494761.06	3860051.99	0.13379	0.08503	0.13821	0.15758	0.27305	0.52956	0.0813	0.08503	2.46981599	0.003617895	3.315E-07	0.0146858	0.2265374	0.131806	0.013266	0.01332005	2.846409
2338	494811.06	3860051.99	0.1325	0.08511	0.13567	0.15835	0.28323	0.51579	0.0811	0.08511	2.44600208	0.003621299	3.254E-07	0.0147576	0.2349833	0.128378	0.01323	0.01333259	2.82764
2339	494861.06	3860051.99	0.13136	0.08547	0.13576	0.15833	0.29306	0.49146	0.0819	0.08547	2.42495723	0.003636617	3.256E-07	0.0147557	0.2431388	0.122323	0.013365	0.01338898	2.808788
2340	494911.06	3860051.99	0.13141	0.0827	0.13308	0.15369	0.30259	0.46174	0.0796	0.0827	2.42588025	0.003518757	3.192E-07	0.0143233	0.2510454	0.114926	0.012991	0.01295506	2.80973
2341	494961.06	3860051.99	0.13154	0.08019	0.1302	0.14866	0.31167	0.43317	0.079	0.08019	2.4282801	0.003411961	3.123E-07	0.0138545	0.2585787	0.107815	0.012898	0.01256186	2.812277
2342	495011.06	3860051.99	0.13143	0.07803	0.12703	0.1446	0.32027	0.40999	0.0766	0.07803	2.42624946	0.003320056	3.047E-07	0.0134761	0.2657137	0.102045	0.012497	0.01222349	2.811078
2343	495061.06	3860051.99	0.13105	0.07672	0.12291	0.1443	0.32844	0.39256	0.0749	0.07672	2.41923451	0.003264318	2.948E-07	0.0134482	0.272492	0.097707	0.012218	0.01201828	2.806346
2344	495111.06	3860051.99	0.13105	0.07425	0.11997	0.14307	0.33601	0.37612	0.0734	0.07425	2.41923451	0.003159223	2.877E-07	0.0133335	0.2787725	0.093615	0.011974	0.01163135	2.808458
2345	495161.06	3860051.99	0.13065	0.07308	0.11728	0.14081	0.34312	0.36913	0.0733	0.07308	2.41185035	0.003109441	2.813E-07	0.0131229	0.2846713	0.091875	0.011971	0.01144807	2.805153
2346	495211.06	3860051.99	0.13041	0.07142	0.11565	0.13767	0.37286	0.35974	0.0725	0.07142	2.40741986	0.003038811	2.774E-07	0.0128303	0.3093453	0.089538	0.011828	0.01118803	2.822812
2347	495261.06	3860051.99	0.12984	0.0709	0.11419	0.13653	0.36439	0.35466	0.0719	0.0709	2.39689743	0.003016686	2.739E-07	0.012724	0.3023181	0.088274	0.011741	0.01110657	2.803865
2348	495311.06	3860051.99	0.12917	0.07049	0.11273	0.13604	0.34353	0.34366	0.0718	0.07049	2.38452897	0.002999241	2.704E-07	0.0126784	0.2850115	0.085536	0.011713	0.01104234	2.771425
2349	495361.06	3860051.99	0.12868	0.06962	0.11112	0.13455	0.32278	0.33316	0.071	0.06962	2.37548338	0.002962224	2.665E-07	0.0125395	0.2677962	0.082922	0.011596	0.01090606	2.742394
2350	495411.06	3860051.99	0.12829	0.06891	0.10939	0.13259	0.30203	0.32056	0.07	0.06891	2.36828382	0.002932014	2.624E-07	0.0123568	0.2505808	0.079786	0.011433	0.01079484	2.714578
2351	495461.06	3860051.99	0.12801	0.06789	0.10754	0.13142	0.28089	0.30707	0.0687	0.06789	2.36311491	0.002888615	2.579E-07	0.0122478	0.2330419	0.076429	0.011214	0.01063505	2.688301
2352	495511.06	3860051.99	0.12747	0.06762	0.10582	0.13308	0.26135	0.29679	0.0683	0.06762	2.3531463	0.002877127	2.538E-07	0.0124025	0.2168304	0.07387	0.011145	0.01059276	2.659679
2353	495561.06	3860051.99	0.12709	0.06689	0.10395	0.13171	0.24155	0.28527	0.0674	0.06689	2.34613135	0.002846066	2.493E-07	0.0122748	0.2004033	0.071003	0.011008	0.0104784	2.633188
2354	495611.06	3860051.99	0.12683	0.06662	0.10403	0.12901	0.24087	0.27312	0.0664	0.06662	2.34133165	0.002834578	2.495E-07	0.0120232	0.1998391	0.067979	0.010832	0.0104361	2.624403
2355	495661.06	3860051.99	0.12678	0.0665	0.10307	0.12658	0.24467	0.25759	0.0647	0.0665	2.34040863	0.002829472	2.472E-07	0.0117967	0.2029918	0.064113	0.010554	0.01041731	2.622277
2356	494411.06	3860101.99	0.14628	0.09094	0.15892	0.16458	0.23043	1.0035	0.0852	0.09094	2.70038629	0.003869357	3.811E-07	0.0153382	0.1911775	0.249768	0.013907	0.01424586	3.160201
2357	494461.06	3860101.99	0.14364	0.09107	0.15962	0.16859	0.24312	0.80578	0.0868	0.09107	2.65165086	0.003874888	3.828E-07	0.0157119	0.2017058	0.200556	0.014162	0.01426623	3.073395
2358	494511.06	3860101.99	0.14206	0.08867	0.15538	0.1626	0.24565	0.76924	0.0842	0.08867	2.62248344	0.003772772	3.727E-07	0.0151536	0.2038048	0.191461	0.013742	0.01389026	3.036528
2359	494561.06	3860101.99	0.13972	0.08813	0.15436	0.16324	0.24699	0.7086	0.0843	0.08813	2.57928612	0.003749796	3.702E-07	0.0152133	0.2049166	0.176368	0.013767	0.01380567	2.979495
2360	494611.06	3860101.99	0.13699	0.08936	0.15475	0.1668	0.24378	0.65204	0.0854	0.08936	2.52888924	0.00380213	3.711E-07	0.0155451	0.2022534	0.162291	0.013932	0.01399835	2.912714
2361	494661.06	3860101.99	0.13475	0.08889	0.1529	0.16617	0.24767	0.62332	0.0846	0.08889	2.48753796	0.003782132	3.667E-07	0.0154864	0.2054807	0.155142	0.013814	0.01392473	2.867319
2362	494711.06	3860101.99	0.13318	0.08789	0.14814	0.16028	0.24896	0.56861	0.0842	0.08789	2.45855515	0.003739584	3.553E-07	0.0149374	0.206551	0.141525	0.013747	0.01376808	2.825288
2363	494761.06	3860101.99	0.13141	0.08752	0.14543	0.15912	0.25043	0.539	0.0837	0.08752	2.42588025	0.003723841	3.488E-07	0.0148293	0.2077706	0.134155	0.013669	0.01371011	2.786318
2364	494811.06	3860101.99	0.13053	0.08707	0.14303	0.15903	0.25399	0.52092	0.0831	0.08707	2.4096351	0.003704694	3.43E-07	0.0148209	0.2107242	0.129655	0.013568	0.01363962	2.768468
2365	494861.06	3860101.99	0.12804	0.08743	0.14442	0.16309	0.25942	0.53059	0.0835	0.08743	2.36366873	0.003720012	3.464E-07	0.0151993	0.2152292	0.132062	0.013623	0.01369602	2.729807
2366	494911.06	3860101.99	0.12996	0.08585	0.13811	0.15756	0.27015	0.48439	0.0809	0.08585	2.39911268	0.003652785	3.312E-07	0.0146839	0.2241314	0.120563	0.013212	0.01344851	2.761907
2367	494961.06	3860101.99	0.12935	0.08539	0.1374	0.15661	0.27993	0.47491	0.0804	0.08539	2.38785184	0.003633213	3.295E-07	0.0145954	0.2322454	0.118203	0.013124	0.01337645	2.756277
2368	495011.06	3860101.99	0.12926	0.08348	0.13465	0.15309	0.2894	0.4593	0.0783	0.08348	2.3861904	0.003551945	3.229E-07	0.0142674	0.2401023	0.114318	0.012784	0.01307724	2.758137
2369	495061.06	3860101.99	0.12906	0.08149	0.13262	0.15005	0.29849	0.43322	0.078	0.08149	2.38249833	0.003467274	3.181E-07	0.013984	0.2476438	0.107827	0.012737	0.01276551	2.755392
2370	495111.06	3860101.99	0.12918	0.07822	0.12923	0.14545	0.30715	0.39392	0.078	0.07822	2.38471357	0.00332814	3.099E-07	0.0135553	0.2548286	0.098045	0.012735	0.01225326	2.754953
2371	495161.06	3860101.99	0.12853	0.07753	0.12793	0.14486	0.31543	0.3739	0.0772	0.07753	2.37271432	0.003298782	3.068E-07	0.0135004	0.2616982	0.093062	0.012605	0.01214517	2.744734
2372	495211.06	3860101.99	0.12816	0.07649	0.12382	0.14287	0.32323	0.35787	0.0759	0.07649	2.36588397	0.003254532	2.97E-07	0.0133149	0.2681695	0.089073	0.012391	0.01198225	2.740104
2373	495261.06	3860101.99	0.12782	0.07539	0.11985	0.14103	0.33049	0.34043	0.0741	0.07539	2.35960744	0.003207728	2.874E-07	0.0131434	0.2741928	0.084732	0.012097	0.01180994	2.73517
2374	495311.06	3860101.99	0.12734	0.07474	0.1172	0.14046	0.33729	0.33922	0.0728	0.07474	2.35074645	0.003180072	2.811E-07	0.0130903	0.2798345	0.084431	0.011877	0.01170811	2.731451
2375	495361.06	3860101.99	0.12666	0.07419	0.11789	0.13951	0.34352	0.32674	0.0723	0.07419	2.33819338	0.00315667	2.827E-07	0.0130018	0.2850032	0.081324	0.011798	0.01162195	2.720856
2376	495411.06	3860101.99	0.12635	0.07284	0.11644	0.13789	0.34531	0.3188	0.0723	0.07284	2.33247066	0.00309923	2.793E-07	0.0128508	0.2864883	0.079348	0.011793	0.01141047	2.71464
2377	495461.06	3860101.99	0.12641	0.07086	0.11106	0.13343	0.3293	0.3078	0.0724	0.07086	2.33357828	0.003014984	2.664E-07	0.0124351	0.2732055	0.07661	0.011813	0.01110031	2.699557
2378	495511.06	3860101.99	0.12575	0.07019	0.10954	0.13292	0.31368	0.29432	0.0721	0.07019	2.32139443	0.002986476	2.627E-07	0.0123876	0.2602463	0.073255	0.011769	0.01099535	2.671044
2379	495561.06	3860101.99	0.12513	0.06947	0.10794	0.13268	0.29829	0.28073	0.0711	0.06947	2.30994898	0.002955841	2.589E-07	0.0123652	0.2474779	0.069873	0.01161	0.01088256	2.643349
2380	495611.06	3860101.99	0.12519	0.06754	0.10598	0.12988	0.26913	0.2601	0.0703	0.06754	2.31105661	0.002873723	2.542E-07	0.0121043	0.2232851	0.064738	0.011468	0.01058022	2.614946
2381	495661.06	3860101.99	0.12484	0.06638	0.10418	0.13074	0.24999	0.24897	0.0695	0.06638	2.30459547	0.002824367	2.499E-07	0.0121844	0.2074055	0.061968	0.011339	0.01039851	2.589919
2382	494861.06	3860151.99	0.12569	0.09038	0.15749	0.16059	0.24235	0.5385	0.0854	0.09038	2.3202868	0.00384553	3.777E-07	0.0149663	0.201067	0.134031	0.013932	0.01415814	2.67397
2383	494911.06	3860151.99	0.12706	0.0868	0.15072	0.15286	0.24675	0.49163	0.082	0.0868	2.34557754	0.003693206	3.615E-07	0.0142459	0.2047175	0.122365	0.01338	0.01359733	2.690382
2384	494961.06	3860151.99	0.12687	0.08604	0.1464	0.1505	0.25004	0.46867	0.0813	0.08604	2.34207007	0.003660869	3.511E-07	0.014026	0.207447	0.11665	0.013272	0.01347827	2.683649
2385	495011.06	3860151.99	0.1268	0.0853	0.14186	0.14757	0.25742	0.44694	0.0811	0.0853	2.34077784	0.003629383	3.402E-07	0.0137529	0.2135699	0.111242	0.013243	0.01336235	2.682853
2386	495061.06	3860151.99	0.12673	0.08467	0.14066	0.14576	0.26719	0.41933	0.0794	0.08467	2.33948561	0.003602578	3.374E-07	0.0135842	0.2216756	0.10437	0.012965	0.01326366	2.68242
2387	495111.06	3860151.99	0.1264	0.08414	0.13928	0.14569	0.27664	0.40075	0.0783	0.08414	2.33339368	0.003580027	3.34E-07	0.0135777	0.2295159	0.099745	0.012781	0.01318063	2.679413
2388	495161.06	3860151.99	0.12598	0.08366	0.1378	0.14599	0.28575	0.38204	0.0775	0.08366	2.32564032	0.003559604	3.305E-07	0.0136057	0.237074	0.095088	0.01265	0.01310544	2.674513
2389	495211.06	3860151.99	0.12573	0.08249	0.13627	0.14596	0.29448	0.35353	0.0762	0.08249	2.32102522	0.003509822	3.268E-07	0.0136029	0.2443169	0.087992	0.01244	0.01292216	2.669965
2390	495261.06	3860151.99	0.12527	0.08135	0.13463	0.14408	0.3028	0.33938	0.0756	0.08135	2.31253344	0.003461317	3.229E-07	0.0134277	0.2512196	0.084471	0.012342	0.01274358	2.664711

2391	495311.06	3860151.99	0.12485	0.08016	0.13294	0.14205	0.31072	0.32844	0.0749	0.08016	2.30478007	0.003410684	3.188E-07	0.0132385	0.2577905	0.081748	0.012226	0.01255716	2.660636
2392	495361.06	3860151.99	0.12438	0.07893	0.13117	0.14035	0.31817	0.318	0.0744	0.07893	2.29610369	0.00335835	3.146E-07	0.01308	0.2639714	0.079149	0.012143	0.01236448	2.655441
2393	495411.06	3860151.99	0.12408	0.07774	0.12936	0.13789	0.32513	0.30689	0.0734	0.07774	2.29056557	0.003307717	3.102E-07	0.0128508	0.2697458	0.076384	0.011979	0.01217807	2.652655
2394	495461.06	3860151.99	0.12374	0.07647	0.1275	0.13627	0.3316	0.29627	0.0727	0.07647	2.28428904	0.003253681	3.058E-07	0.0126998	0.2751137	0.073741	0.011862	0.01197912	2.64898
2395	495511.06	3860151.99	0.1236	0.07488	0.12391	0.13574	0.33749	0.28483	0.0722	0.07488	2.28170458	0.003186029	2.972E-07	0.0126504	0.2800004	0.070893	0.011783	0.01173004	2.648488
2396	495561.06	3860151.99	0.12316	0.07383	0.12077	0.13469	0.33127	0.27346	0.0714	0.07383	2.27358201	0.003141353	2.896E-07	0.0125526	0.2748399	0.068063	0.011646	0.01156556	2.63226
2397	495611.06	3860151.99	0.12298	0.07231	0.11697	0.13423	0.31591	0.26345	0.0711	0.07231	2.27025914	0.003076679	2.805E-07	0.0125097	0.2620964	0.065572	0.011601	0.01132745	2.613787
2398	495661.06	3860151.99	0.12289	0.07065	0.1131	0.13334	0.30076	0.25441	0.0701	0.07065	2.2685977	0.003006049	2.713E-07	0.0124267	0.2495271	0.063322	0.011444	0.01106741	2.597256
2399	495718.25	3859442.96	0.13007	0.03881	0.07991	0.10895	0.31028	0.24716	0.049	0.03881	2.40114332	0.001651306	1.917E-07	0.0101537	0.2574255	0.061517	0.008	0.00607963	2.733811
2400	495818.25	3859442.96	0.12849	0.03796	0.0775	0.1091	0.30863	0.23392	0.0483	0.03796	2.3719759	0.001615139	1.859E-07	0.0101677	0.2560565	0.058222	0.007879	0.00594648	2.69997
2401	495918.25	3859442.96	0.12548	0.03745	0.07551	0.10748	0.30672	0.21513	0.0472	0.03745	2.31641012	0.00159344	1.811E-07	0.0100167	0.2544719	0.053545	0.007699	0.00586659	2.63787
2402	496018.25	3859442.96	0.12173	0.03692	0.07365	0.10221	0.30341	0.22296	0.0448	0.03692	2.24718365	0.001570889	1.766E-07	0.0095255	0.2517257	0.055494	0.007314	0.00578356	2.567031
2403	496118.25	3859442.96	0.11865	0.03642	0.07512	0.09913	0.30897	0.23052	0.0432	0.03642	2.19032563	0.001549615	1.802E-07	0.0092385	0.2563386	0.057376	0.007056	0.00570524	2.516179
2404	496218.25	3859442.96	0.11808	0.0359	0.07649	0.09829	0.31399	0.23374	0.0424	0.0359	2.17980321	0.00152749	1.834E-07	0.0091602	0.2605035	0.058177	0.006913	0.00562378	2.510461
2405	496318.25	3859442.96	0.11856	0.03536	0.07524	0.0954	0.29301	0.21921	0.0409	0.03536	2.1886642	0.001504513	1.805E-07	0.0088909	0.2430973	0.054561	0.006678	0.00553919	2.497856
2406	496418.25	3859442.96	0.11899	0.0342	0.0738	0.09249	0.28221	0.20767	0.0406	0.0342	2.19660217	0.001455157	1.77E-07	0.0086197	0.234137	0.051688	0.00663	0.00535747	2.493775
2407	495718.25	3859542.96	0.12985	0.0437	0.08245	0.11083	0.28677	0.22315	0.0517	0.0437	2.39708204	0.001859368	1.977E-07	0.0103289	0.2379203	0.055541	0.008439	0.00684566	2.704325
2408	495818.25	3859542.96	0.12782	0.04295	0.08186	0.1088	0.29446	0.22375	0.0516	0.04295	2.35960744	0.001827456	1.963E-07	0.0101397	0.2443003	0.055691	0.008419	0.00672817	2.673257
2409	495918.25	3859542.96	0.12574	0.03928	0.08022	0.10656	0.29931	0.20135	0.05	0.03928	2.32120982	0.001671303	1.924E-07	0.009931	0.2483241	0.050115	0.008168	0.00615326	2.633266
2410	496018.25	3859542.96	0.12321	0.03874	0.0788	0.10464	0.30291	0.18356	0.0487	0.03874	2.27450503	0.001648327	1.89E-07	0.009752	0.2513109	0.045687	0.007941	0.00606867	2.584776
2411	496118.25	3859542.96	0.12118	0.03823	0.08087	0.10613	0.30988	0.17928	0.0482	0.03823	2.23703043	0.001626628	1.94E-07	0.0098909	0.2570936	0.044622	0.007863	0.00598878	2.552138
2412	496218.25	3859542.96	0.12008	0.03882	0.08068	0.1066	0.31301	0.18224	0.0467	0.03882	2.216724	0.001651731	1.935E-07	0.0099347	0.2596904	0.045359	0.007621	0.0060812	2.5349
2413	496318.25	3859542.96	0.1182	0.03906	0.07946	0.10234	0.31304	0.18565	0.0456	0.03906	2.18201846	0.001661943	1.906E-07	0.0095377	0.2597153	0.046208	0.007437	0.0061188	2.500459
2414	496418.25	3859542.96	0.11691	0.03821	0.07714	0.0957	0.30847	0.17677	0.0429	0.03821	2.15820455	0.001625777	1.85E-07	0.0089188	0.2559238	0.043997	0.007007	0.00598564	2.469692
2415	495718.25	3859642.96	0.13106	0.04874	0.08601	0.11954	0.33564	0.21393	0.0526	0.04874	2.41941911	0.002073812	2.063E-07	0.0111406	0.2784655	0.053246	0.008583	0.00763518	2.765293
2416	495818.25	3859642.96	0.12907	0.0454	0.08479	0.11375	0.2889	0.2031	0.0512	0.0454	2.38268293	0.0019317	2.034E-07	0.010601	0.2396874	0.050551	0.008356	0.00711197	2.686698
2417	495918.25	3859642.96	0.1267	0.04495	0.08353	0.11034	0.26393	0.1961	0.0508	0.04495	2.3389318	0.001912553	2.003E-07	0.0102832	0.2189709	0.048809	0.008295	0.00704147	2.620161
2418	496018.25	3859642.96	0.12475	0.04223	0.08089	0.10546	0.27372	0.19075	0.0507	0.04223	2.30293403	0.001796821	1.94E-07	0.0098284	0.2270933	0.047477	0.008282	0.00661538	2.590797
2419	496118.25	3859642.96	0.12298	0.04299	0.08385	0.10844	0.28628	0.18438	0.0504	0.04299	2.27025914	0.001829158	2.011E-07	0.0101062	0.2375137	0.045892	0.008219	0.00673444	2.567084
2420	496218.25	3859642.96	0.121	0.04381	0.08484	0.10893	0.2955	0.18227	0.0498	0.04381	2.23370756	0.001864048	2.035E-07	0.0101518	0.2451632	0.045366	0.008135	0.00686289	2.537526
2421	496318.25	3859642.96	0.11897	0.04318	0.08184	0.10517	0.30083	0.17122	0.0485	0.04318	2.19623296	0.001837242	1.963E-07	0.0098014	0.2495852	0.042616	0.007918	0.0067642	2.501227
2422	496418.25	3859642.96	0.11902	0.03939	0.07634	0.10257	0.29874	0.16433	0.046	0.03939	2.19715598	0.001675984	1.831E-07	0.0095591	0.2478512	0.040901	0.007507	0.00617049	2.49848
2423	495718.25	3859742.96	0.13149	0.05191	0.10003	0.124	0.37729	0.2236	0.0548	0.05191	2.42735708	0.00220869	2.399E-07	0.0115563	0.3130207	0.055653	0.008943	0.00813176	2.810608
2424	495818.25	3859742.96	0.12986	0.05189	0.09259	0.12379	0.37827	0.2056	0.0524	0.05189	2.39726664	0.002207839	2.221E-07	0.0115367	0.3138337	0.051173	0.00856	0.00812863	2.776449
2425	495918.25	3859742.96	0.12761	0.04827	0.09318	0.12573	0.38454	0.19508	0.0522	0.04827	2.35573076	0.002053814	2.235E-07	0.0117175	0.3190357	0.048555	0.008512	0.00756155	2.738044
2426	496018.25	3859742.96	0.12558	0.04668	0.09018	0.12558	0.33848	0.17978	0.0504	0.04668	2.31825616	0.001986162	2.163E-07	0.0117035	0.2808217	0.044747	0.008228	0.00731248	2.65843
2427	496118.25	3859742.96	0.12356	0.04653	0.09261	0.12217	0.30498	0.17404	0.051	0.04653	2.28096616	0.00197978	2.221E-07	0.0113857	0.2530283	0.043318	0.00833	0.00728898	2.591719
2428	496218.25	3859742.96	0.12139	0.04689	0.0946	0.1172	0.27478	0.17955	0.0507	0.04689	2.24090711	0.001995097	2.269E-07	0.0109226	0.2279727	0.044689	0.008274	0.00734538	2.527416
2429	496318.25	3859742.96	0.11946	0.04461	0.08661	0.11554	0.26245	0.16287	0.0495	0.04461	2.20527855	0.001898087	2.077E-07	0.0107678	0.217743	0.040538	0.008075	0.00698821	2.477312
2430	496418.25	3859742.96	0.11734	0.0412	0.07691	0.10585	0.26846	0.15174	0.0488	0.0412	2.16614252	0.001752996	1.845E-07	0.0098648	0.2227293	0.037768	0.007967	0.00645403	2.43977
2431	495718.25	3859842.96	0.13058	0.0549	0.11185	0.12627	0.31102	0.24395	0.0552	0.0549	2.41055812	0.00233591	2.683E-07	0.0117678	0.2580394	0.060718	0.009002	0.00860015	2.743822
2432	495818.25	3859842.96	0.12839	0.05345	0.11079	0.12389	0.33898	0.22765	0.0542	0.05345	2.37012986	0.002274215	2.657E-07	0.011546	0.2812366	0.056661	0.008849	0.00837301	2.722324
2433	495918.25	3859842.96	0.12561	0.05195	0.10532	0.12143	0.36692	0.21294	0.0533	0.05195	2.31880997	0.002210392	2.526E-07	0.0113168	0.3044171	0.053	0.008692	0.00813803	2.690308
2434	496018.25	3859842.96	0.1237	0.05189	0.10266	0.12069	0.36215	0.20206	0.0521	0.05189	2.28355062	0.002207839	2.462E-07	0.0112478	0.3004597	0.050292	0.008499	0.00812863	2.648129
2435	496118.25	3859842.96	0.12138	0.05134	0.10664	0.12008	0.36707	0.19999	0.052	0.05134	2.24072251	0.002184438	2.558E-07	0.011191	0.3045416	0.049777	0.00848	0.00804247	2.608854
2436	496218.25	3859842.96	0.11992	0.04854	0.09371	0.11345	0.37647	0.18746	0.0502	0.04854	2.21377033	0.002065302	2.247E-07	0.0105731	0.3123404	0.046658	0.008186	0.00760385	2.58599
2437	496318.25	3859842.96	0.11813	0.04413	0.08445	0.10812	0.31763	0.15844	0.0495	0.04413	2.18072623	0.001877663	2.025E-07	0.0100763	0.2635234	0.039435	0.008081	0.00691302	2.496807
2438	496418.25	3859842.96	0.11871	0.04157	0.07569	0.09871	0.25756	0.14992	0.049	0.04157	2.19143326	0.001768739	1.815E-07	0.0091994	0.213686	0.037315	0.008	0.00651199	2.45489
2439	495718.25	3859942.96	0.12917	0.06152	0.09564	0.12759	0.26007	0.23458	0.0587	0.06152	2.38452897	0.002617581	2.294E-07	0.0118909	0.2157685	0.058386	0.009586	0.00963718	2.673142
2440	495818.25	3859942.96	0.1272	0.05966	0.09194	0.12611	0.25471	0.22856	0.0569	0.05966	2.348162	0.002538441	2.205E-07	0.0117529	0.2113215	0.056888	0.009289	0.00934581	2.630606
2441	495918.25	3859942.96	0.12393	0.05868	0.09268	0.12523	0.26953	0.22529	0.0561	0.05868	2.28779651	0.002496743	2.223E-07	0.0116709	0.223617	0.056074	0.00916	0.00919229	2.581623
2442	496018.25	3859942.96	0.12035	0.05771	0.09725	0.12165	0.30408	0.22799	0.0578	0.05771	2.2217083	0.002455471	2.332E-07	0.0113373	0.2522816	0.056746	0.00944	0.00904034	2.544928
2443	496118.25	3859942.96	0.11793	0.05544	0.0928	0.12061	0.32303	0.20885	0.0539	0.05544	2.17703415	0.002358886	2.226E-07	0.0112404	0.2680036	0.051982	0.008801	0.00868474	2.510736
2444	496218.25	3859942.96	0.11718	0.05059	0.08809	0.10999	0.33298	0.18797	0.0503	0.05059	2.16318886	0.002152526	2.113E-07	0.0102506	0.2762586	0.046785	0.008204	0.00792499	2.498915
2445	496318.25	3859942.96	0.11609	0.04768	0.08166	0.1072	0.33995	0.16287	0.0493	0.04768	2.14306703	0.00202871	1.958E-07	0.0099906	0.2820413	0.040538	0.008046	0.00746913	2.478242
2446	496418.25	3859942.96	0.11676	0.0454	0.0705	0.09804	0.3234	0.14772	0.0483	0.0454	2.15543549	0.0019317	1.691E-07	0.0091369	0.2683105	0.036767	0.007884	0.00711197	2.472354
2447	496856.82	3858864.83	0.09529	0.02439	0.05523	0.05908	0.16609	0.26698	0.0267	0.02439	1.75909085	0.001037757	1.325E-07	0.005506	0.1377975	0.06645	0.004352	0.00382072	1.970414

2448	496956.82	3858864.83	0.09272	0.02453	0.05419	0.05833	0.16673	0.255	0.0265	0.02453	1.71164764	0.001043714	1.3E-07	0.0054361	0.1383284	0.063469	0.004317	0.00384265	1.920399
2449	497056.82	3858864.83	0.09225	0.0246	0.05343	0.05776	0.16729	0.22351	0.0262	0.0246	1.70297126	0.001046692	1.281E-07	0.005383	0.138793	0.055631	0.004275	0.00385362	1.904246
2450	497156.82	3858864.83	0.0917	0.02457	0.05265	0.05669	0.1654	0.20199	0.026	0.02457	1.69281804	0.001045416	1.263E-07	0.0052833	0.137225	0.050275	0.004236	0.00384892	1.887033
2451	497256.82	3858864.83	0.0918	0.02455	0.0524	0.05714	0.16954	0.18855	0.0265	0.02455	1.69466408	0.001044565	1.257E-07	0.0053252	0.1406598	0.046929	0.004319	0.00384579	1.889096
2452	496856.82	3858964.83	0.10421	0.02508	0.05544	0.06118	0.18816	0.23508	0.0279	0.02508	1.92375756	0.001067115	1.33E-07	0.0057017	0.156108	0.058511	0.004554	0.00392881	2.14577
2453	496956.82	3858964.83	0.10034	0.02451	0.05426	0.05754	0.17749	0.22564	0.0281	0.02451	1.85231584	0.001042863	1.301E-07	0.0053625	0.1472555	0.056161	0.00459	0.00383952	2.062888
2454	497056.82	3858964.83	0.09817	0.02398	0.05348	0.05691	0.18004	0.20651	0.0273	0.02398	1.81225679	0.001020312	1.283E-07	0.0053038	0.1493711	0.0514	0.004461	0.0037565	2.020056
2455	497156.82	3858964.83	0.09537	0.02402	0.0526	0.05626	0.17833	0.18511	0.0272	0.02402	1.76056768	0.001022014	1.262E-07	0.0052432	0.1479524	0.046073	0.004441	0.00376276	1.961537
2456	497256.82	3858964.83	0.096	0.02481	0.05366	0.05876	0.17943	0.17493	0.0284	0.02481	1.77219773	0.001055627	1.287E-07	0.0054762	0.1488651	0.043539	0.004641	0.00388652	1.971888
2457	496856.82	3859064.83	0.11106	0.02531	0.0534	0.06372	0.21508	0.21493	0.0289	0.02531	2.05021125	0.001076901	1.281E-07	0.0059384	0.1784423	0.053495	0.004717	0.00396484	2.289917
2458	496956.82	3859064.83	0.10781	0.02544	0.05269	0.06191	0.21181	0.19646	0.0285	0.02544	1.99021497	0.001082433	1.264E-07	0.0057698	0.1757293	0.048898	0.004657	0.00398521	2.222367
2459	497056.82	3859064.83	0.105	0.02499	0.05266	0.06062	0.2096	0.18099	0.0285	0.02499	1.93834127	0.001063286	1.263E-07	0.0056495	0.1738958	0.045048	0.004645	0.00391471	2.164729
2460	497156.82	3859064.83	0.10246	0.02447	0.05304	0.06045	0.20138	0.16736	0.0284	0.02447	1.89145187	0.001041161	1.272E-07	0.0056337	0.167076	0.041655	0.004632	0.00383326	2.107657
2461	497256.82	3859064.83	0.10349	0.02408	0.05417	0.0645	0.19908	0.15905	0.0301	0.02408	1.91046608	0.001024567	1.299E-07	0.0060111	0.1651678	0.039587	0.004908	0.00377216	2.123393
2462	496856.82	3859164.83	0.11151	0.02554	0.05611	0.06501	0.23871	0.20334	0.0298	0.02554	2.05851843	0.001086688	1.346E-07	0.0060587	0.198047	0.050611	0.004858	0.00400087	2.315178
2463	496956.82	3859164.83	0.11092	0.02526	0.05425	0.06404	0.22984	0.18701	0.0292	0.02526	2.0476268	0.001074774	1.301E-07	0.0059683	0.190688	0.046546	0.004761	0.00395701	2.292708
2464	497056.82	3859164.83	0.11069	0.02505	0.053	0.06392	0.22851	0.17328	0.0293	0.02505	2.04338091	0.001065839	1.271E-07	0.0059571	0.1895845	0.043129	0.004781	0.00392411	2.283974
2465	497156.82	3859164.83	0.11025	0.02521	0.05236	0.06567	0.23231	0.16188	0.0302	0.02521	2.03525833	0.001072647	1.256E-07	0.0061202	0.1927372	0.040291	0.00493	0.00394918	2.27646
2466	497256.82	3859164.83	0.11126	0.02542	0.05439	0.07096	0.24101	0.14715	0.0321	0.02542	2.05390333	0.001081582	1.304E-07	0.0066132	0.1999552	0.036625	0.00524	0.00398207	2.299436
2467	496856.82	3859264.83	0.11027	0.0257	0.05969	0.06483	0.23614	0.18873	0.0306	0.0257	2.03562754	0.001093495	1.432E-07	0.0060419	0.1959148	0.046974	0.004992	0.00402594	2.286618
2468	496956.82	3859264.83	0.1102	0.02614	0.05968	0.06603	0.24209	0.17843	0.0309	0.02614	2.03433531	0.001112217	1.431E-07	0.0061537	0.2008513	0.044411	0.005036	0.00409486	2.287804
2469	497056.82	3859264.83	0.11041	0.02705	0.06157	0.06891	0.2516	0.16632	0.0317	0.02705	2.038212	0.001150936	1.477E-07	0.0064221	0.2087413	0.041396	0.005181	0.00423742	2.296866
2470	497156.82	3859264.83	0.11052	0.02661	0.06222	0.07149	0.25111	0.16037	0.0325	0.02661	2.04024264	0.001132214	1.492E-07	0.0066626	0.2083348	0.039916	0.00531	0.00416849	2.297429
2471	497256.82	3859264.83	0.1109	0.0274	0.06158	0.07631	0.25113	0.15461	0.0341	0.0274	2.04725759	0.001165828	1.477E-07	0.0071118	0.2083513	0.038482	0.005568	0.00429224	2.303644
2472	497088.92	3858620.93	0.07899	0.02443	0.04497	0.05518	0.14794	0.17436	0.0259	0.02443	1.45818645	0.001039459	1.079E-07	0.0051425	0.1227392	0.043398	0.004223	0.00382699	1.630901
2473	497138.92	3858620.93	0.07869	0.02442	0.04488	0.05552	0.14775	0.16936	0.0257	0.02442	1.45264833	0.001039033	1.076E-07	0.0051742	0.1225816	0.042153	0.0042	0.00382542	1.623971
2474	497188.92	3858620.93	0.07824	0.02437	0.04555	0.05461	0.14644	0.16444	0.0255	0.02437	1.44434115	0.001036906	1.092E-07	0.0050894	0.1214947	0.040929	0.004162	0.00381759	1.613236
2475	497238.92	3858620.93	0.0779	0.02431	0.04541	0.05379	0.14594	0.16097	0.0253	0.02431	1.43806462	0.001034353	1.089E-07	0.005013	0.1210799	0.040065	0.004135	0.00380819	1.605583
2476	497088.92	3858670.93	0.07934	0.02478	0.04555	0.05418	0.14458	0.17464	0.0258	0.02478	1.46464758	0.001054351	1.092E-07	0.0050494	0.1199516	0.043467	0.004215	0.00388182	1.634503
2477	497138.92	3858670.93	0.0791	0.02482	0.04561	0.05548	0.14666	0.17412	0.0258	0.02482	1.46021709	0.001056053	1.094E-07	0.0051705	0.1216773	0.043338	0.004205	0.00388808	1.631776
2478	497188.92	3858670.93	0.07864	0.02471	0.04533	0.0552	0.14665	0.17013	0.0256	0.02471	1.45172531	0.001051372	1.087E-07	0.0051444	0.121669	0.042345	0.004179	0.00387085	1.622243
2479	497238.92	3858670.93	0.07831	0.02456	0.04524	0.05579	0.14807	0.16938	0.0257	0.02456	1.44563338	0.00104499	1.085E-07	0.0051994	0.1228471	0.042158	0.0042	0.00384735	1.617236
2480	497088.92	3858720.93	0.0862	0.02501	0.04614	0.05556	0.15428	0.18966	0.0259	0.02501	1.59128588	0.001064137	1.107E-07	0.005178	0.1279992	0.047206	0.004219	0.00391785	1.773035
2481	497138.92	3858720.93	0.0794	0.02482	0.04533	0.05341	0.14587	0.17056	0.0257	0.02482	1.46575521	0.001056053	1.087E-07	0.0049776	0.1210218	0.042452	0.004188	0.00388808	1.635563
2482	497188.92	3858720.93	0.07896	0.02472	0.04518	0.05354	0.14529	0.16677	0.0256	0.02472	1.45763263	0.001051798	1.084E-07	0.0049897	0.1205406	0.041508	0.004172	0.00387242	1.626023
2483	497238.92	3858720.93	0.08522	0.02468	0.04568	0.05587	0.15211	0.17495	0.0261	0.02468	1.5731947	0.001050096	1.096E-07	0.0052069	0.1261989	0.043544	0.004265	0.00386615	1.749594
2484	497088.92	3858770.93	0.08819	0.02489	0.04579	0.05507	0.15815	0.20102	0.0257	0.02489	1.62802206	0.001059031	1.098E-07	0.0051323	0.13121	0.050033	0.0042	0.00389905	1.815758
2485	497138.92	3858770.93	0.08741	0.02482	0.04508	0.05458	0.156	0.19582	0.0256	0.02482	1.61362296	0.001056053	1.081E-07	0.0050866	0.1294262	0.048739	0.004185	0.00388808	1.798228
2486	497188.92	3858770.93	0.08728	0.02477	0.04452	0.05421	0.15099	0.19224	0.0256	0.02477	1.6112231	0.001053925	1.068E-07	0.0050521	0.1252697	0.047848	0.004175	0.00388025	1.790742
2487	497238.92	3858770.93	0.09078	0.02471	0.0449	0.05603	0.16008	0.18845	0.0264	0.02471	1.67583448	0.001051372	1.077E-07	0.0052218	0.1328112	0.046905	0.004316	0.00387085	1.862268
2488	497396.65	3858622.63	0.0849	0.02478	0.04677	0.05344	0.16648	0.16354	0.0275	0.02478	1.56728737	0.001054351	1.122E-07	0.0049804	0.138121	0.040705	0.004487	0.00388182	1.752753
2489	497496.65	3858622.63	0.0871	0.02504	0.0476	0.05411	0.17393	0.16873	0.0294	0.02504	1.60790023	0.001065413	1.142E-07	0.0050428	0.144302	0.041996	0.004797	0.00392255	1.801182
2490	497596.65	3858622.63	0.09077	0.02867	0.05281	0.06148	0.18558	0.16863	0.0309	0.02867	1.67564988	0.001219864	1.267E-07	0.0057297	0.1539674	0.041971	0.005041	0.00449119	1.879088
2491	497696.65	3858622.63	0.09147	0.02935	0.05184	0.06561	0.19002	0.17488	0.032	0.02935	1.68857215	0.001248797	1.243E-07	0.0061146	0.1576511	0.043527	0.005227	0.00459771	1.897743
2492	497796.65	3858622.63	0.09316	0.02899	0.05315	0.06705	0.20554	0.17991	0.0343	0.02899	1.71977022	0.00123348	1.275E-07	0.0062488	0.1705274	0.044779	0.005602	0.00454132	1.94362
2493	497896.65	3858622.63	0.09615	0.02869	0.05368	0.06801	0.20338	0.16309	0.0355	0.02869	1.77496679	0.001220715	1.287E-07	0.0063383	0.1687353	0.040593	0.005788	0.00449432	1.993148
2494	497396.65	3858722.63	0.09001	0.02443	0.04876	0.05822	0.1584	0.20014	0.0294	0.02443	1.66161998	0.001039459	1.169E-07	0.0054259	0.1314174	0.049814	0.004791	0.00382699	1.850281
2495	497496.65	3858722.63	0.09199	0.02586	0.05162	0.05823	0.16566	0.20642	0.0299	0.02586	1.69817156	0.001100303	1.238E-07	0.0054268	0.1374407	0.051377	0.004882	0.004051	1.894348
2496	497596.65	3858722.63	0.09485	0.02664	0.05434	0.06399	0.17745	0.20732	0.0336	0.02664	1.75096828	0.001133491	1.303E-07	0.0059636	0.1472223	0.051601	0.005484	0.00417319	1.9582
2497	497696.65	3858722.63	0.0962	0.02973	0.05496	0.06728	0.18523	0.18628	0.0337	0.02973	1.77588981	0.001264966	1.318E-07	0.0062702	0.1536771	0.046364	0.005507	0.00465724	1.984317
2498	497796.65	3858722.63	0.09675	0.03176	0.05434	0.0675	0.19053	0.18316	0.0337	0.03176	1.78604303	0.001351339	1.303E-07	0.0062907	0.1580742	0.045588	0.005502	0.00497524	1.997875
2499	497896.65	3858722.63	0.0976	0.03128	0.05587	0.06762	0.20085	0.17506	0.0365	0.03128	1.80173436	0.001330916	1.34E-07	0.0063019	0.1666363	0.043572	0.005956	0.00490005	2.020632
2500	497396.65	3858822.63	0.09346	0.02459	0.05293	0.0577	0.17375	0.19216	0.0292	0.02459	1.72530833	0.001046267	1.269E-07	0.0053774	0.1441526	0.047828	0.004768	0.00385205	1.924629
2501	497496.65	3858822.63	0.09438	0.02689	0.05447	0.06116	0.17098	0.18734	0.0298	0.02689	1.7422919	0.001144128	1.306E-07	0.0056999	0.1418545	0.046628	0.004866	0.00421235	1.938272
2502	497596.65	3858822.63	0.09869	0.02749	0.05617	0.0646	0.18943	0.17804	0.0328	0.02749	1.82185619	0.001169657	1.347E-07	0.0060205	0.1571616	0.044314	0.005354	0.00430634	2.031569
2503	497696.65	3858822.63	0.09926	0.02768	0.05796	0.0662	0.20086	0.1685	0.0349	0.02768	1.83237861	0.001177741	1.39E-07	0.0061696	0.1666446	0.041939	0.005702	0.00433611	2.049675
2504	497796.65	3858822.63	0.09988	0.02998	0.05745	0.06747	0.20791	0.16359	0.0356	0.02998	1.84382406	0.001275603	1.378E-07	0.0062879	0.1724936	0.040717	0.005814	0.0046964	2.065716

2505	497896.65	3858822.63	0.1019	0.03366	0.05945	0.06761	0.22265	0.16146	0.0371	0.03366	1.88111405	0.001432181	1.426E-07	0.006301	0.1847228	0.040187	0.006054	0.00527288	2.114538
2506	497396.65	3858922.63	0.0943	0.02505	0.05466	0.06088	0.17985	0.17973	0.0288	0.02505	1.74081506	0.001065839	1.311E-07	0.0056738	0.1492135	0.044734	0.004708	0.00392411	1.942286
2507	497496.65	3858922.63	0.09833	0.02831	0.05453	0.06282	0.18167	0.16842	0.0308	0.02831	1.81521045	0.001204547	1.308E-07	0.0058546	0.1507235	0.041919	0.005032	0.0044348	2.01551
2508	497596.65	3858922.63	0.09745	0.02826	0.05437	0.06279	0.17944	0.15662	0.0311	0.02826	1.7989653	0.001202419	1.304E-07	0.0058518	0.1488734	0.038982	0.005075	0.00442696	1.994523
2509	497696.65	3858922.63	0.10068	0.02891	0.05693	0.06775	0.20137	0.15264	0.0334	0.02891	1.85859237	0.001230076	1.365E-07	0.006314	0.1670677	0.037992	0.005449	0.00452879	2.072116
2510	497796.65	3858922.63	0.10185	0.02919	0.0597	0.06775	0.21681	0.15222	0.0353	0.02919	1.88019103	0.001241989	1.432E-07	0.006314	0.1798776	0.037887	0.005767	0.00457265	2.106706
2511	497896.65	3858922.63	0.10417	0.03256	0.05966	0.06821	0.2353	0.15063	0.0382	0.03256	1.92301914	0.001385378	1.431E-07	0.0063569	0.1952179	0.037491	0.006237	0.00510056	2.164607
2512	497364.44	3858201.52	0.06603	0.02541	0.03889	0.0493	0.13271	0.19346	0.0252	0.02541	1.21893975	0.001081156	9.327E-08	0.0045946	0.1101036	0.048152	0.004108	0.00398051	1.382999
2513	497414.44	3858201.52	0.06777	0.02634	0.04072	0.05051	0.13293	0.18541	0.0253	0.02634	1.25106084	0.001120726	9.766E-08	0.0047073	0.1102861	0.046148	0.004131	0.00412619	1.413328
2514	497464.44	3858201.52	0.06945	0.02714	0.04067	0.05191	0.1334	0.18008	0.0255	0.02714	1.2820743	0.001154765	9.754E-08	0.0048378	0.110676	0.044821	0.004164	0.00425151	1.443477
2515	497514.44	3858201.52	0.07038	0.02771	0.04044	0.053	0.13336	0.17825	0.0259	0.02771	1.29924246	0.001179018	9.699E-08	0.0049394	0.1106428	0.044366	0.004229	0.00434081	1.460258
2516	497564.44	3858201.52	0.07012	0.02813	0.04061	0.05326	0.13193	0.17507	0.0263	0.02813	1.29444276	0.001196888	9.74E-08	0.0049636	0.1094564	0.043574	0.004293	0.0044066	1.45352
2517	497614.44	3858201.52	0.07071	0.02865	0.04096	0.05332	0.13132	0.17108	0.0268	0.02865	1.30533439	0.001219013	9.824E-08	0.0049692	0.1089503	0.042581	0.004376	0.00448806	1.462942
2518	497364.44	3858251.52	0.07074	0.02456	0.04089	0.05167	0.14248	0.18243	0.0255	0.02456	1.3058882	0.00104499	9.807E-08	0.0048154	0.1182093	0.045406	0.004166	0.00384735	1.475682
2519	497414.44	3858251.52	0.07272	0.02553	0.04115	0.05349	0.14388	0.17495	0.0259	0.02553	1.34243978	0.001086262	9.869E-08	0.004985	0.1193708	0.043544	0.004224	0.00399931	1.511652
2520	497464.44	3858251.52	0.0722	0.02599	0.04122	0.05319	0.14178	0.17276	0.0258	0.02599	1.33284038	0.001105834	9.886E-08	0.0049571	0.1176285	0.042999	0.004218	0.00407137	1.499678
2521	497514.44	3858251.52	0.07115	0.02637	0.04126	0.05175	0.13936	0.16416	0.0258	0.02637	1.31345697	0.001122003	9.896E-08	0.0048229	0.1156208	0.040859	0.004208	0.00413089	1.475959
2522	497564.44	3858251.52	0.07102	0.02688	0.04136	0.05167	0.13804	0.15632	0.0258	0.02688	1.31105711	0.001143703	9.92E-08	0.0048154	0.1145256	0.038908	0.004213	0.00421078	1.470452
2523	497614.44	3858251.52	0.0709	0.02737	0.04145	0.05178	0.13676	0.15614	0.0259	0.02737	1.30884187	0.001164551	9.941E-08	0.0048257	0.1134637	0.038863	0.004219	0.00428754	1.46709
2524	497364.44	3858301.52	0.07305	0.02336	0.04242	0.0552	0.13517	0.174	0.0256	0.02336	1.34853171	0.000993932	1.017E-07	0.0051444	0.1121445	0.043308	0.004185	0.00365937	1.510648
2525	497414.44	3858301.52	0.07393	0.02419	0.04213	0.05533	0.13601	0.16924	0.0261	0.02419	1.36477686	0.001029247	1.01E-07	0.0051565	0.1128414	0.042123	0.004265	0.00378939	1.526403
2526	497464.44	3858301.52	0.07317	0.02462	0.04172	0.05499	0.13678	0.1612	0.026	0.02462	1.35074696	0.001047543	1.001E-07	0.0051248	0.1134803	0.040122	0.004242	0.00385675	1.510907
2527	497514.44	3858301.52	0.07275	0.02511	0.04134	0.05476	0.13755	0.15728	0.026	0.02511	1.34299359	0.001068392	9.915E-08	0.0051034	0.1141191	0.039146	0.004247	0.00393351	1.502745
2528	497564.44	3858301.52	0.07196	0.0255	0.04123	0.05305	0.1383	0.15308	0.0259	0.0255	1.32840988	0.001084986	9.888E-08	0.004944	0.1147413	0.038101	0.004234	0.00399461	1.487521
2529	497614.44	3858301.52	0.07175	0.02603	0.04158	0.05295	0.13907	0.15357	0.026	0.02603	1.3245332	0.001107536	9.972E-08	0.0049347	0.1153802	0.038223	0.004237	0.00407763	1.484339
2530	497364.44	3858351.52	0.07486	0.02438	0.04233	0.05454	0.13577	0.16824	0.0264	0.02438	1.38194502	0.001037331	1.015E-07	0.0050829	0.1126423	0.041874	0.004303	0.00381916	1.543066
2531	497414.44	3858351.52	0.07446	0.02391	0.04262	0.0544	0.13433	0.16211	0.0263	0.02391	1.37456087	0.001017334	1.022E-07	0.0050699	0.1114476	0.040349	0.004298	0.00374553	1.532997
2532	497464.44	3858351.52	0.07445	0.02349	0.04309	0.05427	0.13323	0.15679	0.0264	0.02349	1.37437626	0.000999463	1.033E-07	0.0050577	0.110535	0.039024	0.004301	0.00367974	1.530614
2533	497514.44	3858351.52	0.07416	0.02383	0.04339	0.05414	0.13189	0.15241	0.0263	0.02383	1.36902275	0.00101393	1.041E-07	0.0050456	0.1094232	0.037934	0.004298	0.003733	1.523005
2534	497564.44	3858351.52	0.07309	0.02418	0.04326	0.05399	0.12989	0.14928	0.0258	0.02418	1.34927013	0.001028822	1.038E-07	0.0050316	0.1077639	0.037155	0.004218	0.00378783	1.50068
2535	497614.44	3858351.52	0.07303	0.02476	0.04365	0.05386	0.12877	0.14603	0.0259	0.02476	1.3481625	0.0010535	1.047E-07	0.0050195	0.1068347	0.036346	0.004219	0.00387868	1.497758
2536	497364.44	3858401.52	0.07543	0.02518	0.04318	0.05142	0.14006	0.16164	0.026	0.02518	1.39246745	0.00107137	1.036E-07	0.0047921	0.1162015	0.040232	0.004242	0.00394448	1.555062
2537	497414.44	3858401.52	0.07543	0.02495	0.04429	0.0513	0.13852	0.1593	0.0264	0.02495	1.39246745	0.001061584	1.062E-07	0.0047809	0.1149239	0.039649	0.004313	0.00390845	1.553287
2538	497464.44	3858401.52	0.07496	0.02445	0.0445	0.0512	0.1371	0.15313	0.0263	0.02445	1.38379106	0.00104031	1.067E-07	0.0047716	0.1137457	0.038114	0.004293	0.00383012	1.541925
2539	497514.44	3858401.52	0.07482	0.024	0.04485	0.0511	0.13596	0.15119	0.0264	0.024	1.38120661	0.001021163	1.076E-07	0.0047623	0.1127999	0.037631	0.004301	0.00375963	1.537962
2540	497564.44	3858401.52	0.07601	0.02377	0.045	0.05409	0.13751	0.14846	0.0268	0.02377	1.40317448	0.001011377	1.079E-07	0.005041	0.1140859	0.036951	0.00437	0.0037236	1.56091
2541	497614.44	3858401.52	0.07643	0.02419	0.04542	0.05435	0.13807	0.14562	0.0269	0.02419	1.41092784	0.001029247	1.089E-07	0.0050652	0.1145505	0.036244	0.004391	0.00378939	1.568419
2542	493478.11	3860497.94	0.15157	0.15077	0.22744	0.24928	0.25295	0.54878	0.1417	0.15077	2.79804177	0.006415031	5.455E-07	0.0232319	0.2098613	0.136589	0.023129	0.0236183	3.173651
2543	493528.11	3860497.94	0.14788	0.14721	0.21797	0.23695	0.23661	0.54951	0.1392	0.14721	2.72992292	0.006263558	5.228E-07	0.0220828	0.1963048	0.136771	0.022728	0.02306063	3.091013
2544	493478.11	3860547.94	0.14907	0.15931	0.24546	0.26392	0.27501	0.46794	0.1515	0.15931	2.75189079	0.006778395	5.887E-07	0.0245963	0.2281635	0.116469	0.024732	0.02495611	3.127675
2545	493528.11	3860547.94	0.14819	0.1559	0.23417	0.26531	0.25601	0.4625	0.1466	0.1559	2.73564565	0.006633305	5.616E-07	0.0247258	0.2124001	0.115115	0.023923	0.02442192	3.094021
2546	493478.11	3860597.94	0.14851	0.16608	0.23266	0.27666	0.30013	0.45233	0.1618	0.16608	2.74155297	0.007066448	5.58E-07	0.0257836	0.2490045	0.112583	0.02641	0.02601663	3.136385
2547	493528.11	3860597.94	0.14688	0.1632	0.23553	0.26548	0.27925	0.438	0.1584	0.1632	2.71146253	0.006943908	5.649E-07	0.0247416	0.2316813	0.109017	0.02586	0.02556548	3.084141
2548	493561.88	3860524.64	0.14714	0.14938	0.22059	0.24504	0.23562	0.49173	0.1414	0.14938	2.71626223	0.006355889	5.29E-07	0.0228367	0.1954834	0.12239	0.023084	0.02340056	3.063012
2549	493591.88	3860524.64	0.14471	0.14692	0.21625	0.23797	0.2269	0.48267	0.1391	0.14692	2.67140348	0.006251219	5.186E-07	0.0221778	0.1882488	0.120135	0.022707	0.0230152	3.007908
2550	493561.88	3860554.64	0.14712	0.15449	0.22987	0.26308	0.24703	0.45103	0.1457	0.15449	2.71589302	0.006573311	5.513E-07	0.024518	0.2049498	0.11226	0.023787	0.02420105	3.063781
2551	493591.88	3860554.64	0.14697	0.15158	0.22625	0.25638	0.23771	0.45432	0.1425	0.15158	2.71312397	0.006449495	5.426E-07	0.0238936	0.1972174	0.113079	0.023252	0.02374519	3.05327
2552	492880.5	3860293.11	0.17586	0.16838	0.25308	0.34509	0.37714	1.67864	0.1688	0.16838	3.24644472	0.007164309	6.07E-07	0.032161	0.3128962	0.417808	0.027548	0.02637693	4.017646
2553	492930.5	3860293.11	0.17453	0.16301	0.24489	0.33388	0.37617	1.64225	0.1621	0.16301	3.2218924	0.006935824	5.873E-07	0.0311162	0.3120915	0.40875	0.026461	0.02553572	3.981712
2554	492980.5	3860293.11	0.17077	0.15848	0.2399	0.30833	0.35319	1.58522	0.1551	0.15848	3.15248132	0.00674308	5.754E-07	0.0287351	0.293026	0.394556	0.025323	0.02482608	3.876039
2555	493030.5	3860293.11	0.17028	0.15842	0.24779	0.30637	0.33456	1.54431	0.1464	0.15842	3.14343573	0.006740527	5.943E-07	0.0285524	0.2775695	0.384374	0.023902	0.02481669	3.839757
2556	493080.5	3860293.11	0.17168	0.14986	0.24874	0.29441	0.31699	1.64128	0.1399	0.14986	3.16928028	0.006376312	5.966E-07	0.0274378	0.2629925	0.408509	0.022841	0.02347575	3.873961
2557	493130.5	3860293.11	0.16776	0.15378	0.24033	0.29784	0.29458	1.65146	0.137	0.15378	3.09691554	0.006543102	5.764E-07	0.0277575	0.2443999	0.411043	0.022362	0.02408982	3.784932
2558	493180.5	3860293.11	0.16453	0.152	0.24889	0.27812	0.26971	1.55581	0.1389	0.152	3.03728847	0.006467366	5.969E-07	0.0259196	0.2237663	0.387236	0.022664	0.02381099	3.679532
2559	493230.5	3860293.11	0.16271	0.14965	0.25052	0.26203	0.24659	1.50162	0.1359	0.14965	3.00369055	0.006367377	6.008E-07	0.0244201	0.2045847	0.373748	0.02218	0.02344285	3.611548
2560	493280.5	3860293.11	0.16256	0.1469	0.23712	0.25261	0.22603	1.56623	0.1294	0.1469	3.00092149	0.006250368	5.687E-07	0.0235422	0.187527	0.389829	0.021117	0.02301206	3.606176
2561	493330.5	3860293.11	0.16181	0.14398	0.22835	0.24699	0.20626	1.58153	0.1243	0.14398	2.9870762	0.006126127	5.477E-07	0.0230184	0.1711247	0.393637	0.020286	0.02255464	3.578715

2562	493380.5	3860293.11	0.16081	0.14053	0.22171	0.23674	0.20001	1.56538	0.1212	0.14053	2.96861581	0.005979335	5.317E-07	0.0220632	0.1659394	0.389618	0.019778	0.0220142	3.54998
2563	492880.5	3860343.11	0.17516	0.17633	0.27413	0.33991	0.35988	1.18868	0.1749	0.17633	3.23352245	0.00750257	6.575E-07	0.0316782	0.2985764	0.295858	0.028541	0.02762231	3.868057
2564	492930.5	3860343.11	0.17312	0.17129	0.2645	0.33064	0.36626	1.03372	0.1697	0.17129	3.19586324	0.007288125	6.344E-07	0.0308143	0.3038696	0.257289	0.027693	0.02683279	3.795986
2565	492980.5	3860343.11	0.17344	0.1678	0.25839	0.32733	0.37439	0.95519	0.1527	0.1678	3.20177057	0.007139631	6.197E-07	0.0305058	0.3106147	0.237744	0.024917	0.02628607	3.786406
2566	493030.5	3860343.11	0.17201	0.1636	0.24638	0.32552	0.36151	0.89887	0.1495	0.1636	3.17537221	0.006960928	5.909E-07	0.0303371	0.2999287	0.223726	0.024409	0.02562814	3.735106
2567	493080.5	3860343.11	0.17173	0.1606	0.24269	0.32932	0.34203	0.96882	0.1459	0.1606	3.1702033	0.006833282	5.821E-07	0.0306913	0.283767	0.241136	0.02381	0.02515819	3.731283
2568	493130.5	3860343.11	0.1691	0.15762	0.23885	0.30439	0.31858	0.9224	0.1447	0.15762	3.12165246	0.006706488	5.728E-07	0.0283679	0.2643116	0.229582	0.023622	0.02469136	3.649552
2569	493180.5	3860343.11	0.16557	0.1545	0.2296	0.27901	0.2952	0.87659	0.1438	0.1545	3.05648728	0.006573737	5.507E-07	0.0260026	0.2449143	0.21818	0.023476	0.02420261	3.551432
2570	493230.5	3860343.11	0.16376	0.15216	0.22581	0.27065	0.2763	0.86844	0.1419	0.15216	3.02307396	0.006474173	5.416E-07	0.0252235	0.2292338	0.216152	0.023164	0.02383605	3.499485
2571	493280.5	3860343.11	0.16336	0.15182	0.22638	0.26837	0.25745	0.90497	0.1382	0.15182	3.01568981	0.006459707	5.429E-07	0.025011	0.2135948	0.225244	0.02255	0.02378279	3.484767
2572	493330.5	3860343.11	0.16267	0.14943	0.22426	0.25821	0.2363	0.92336	0.1327	0.14943	3.00295214	0.006358016	5.379E-07	0.0240641	0.1960476	0.229821	0.021662	0.02340839	3.457497
2573	493380.5	3860343.11	0.16142	0.14707	0.23095	0.26024	0.21541	0.93086	0.1294	0.14707	2.97987665	0.006257602	5.539E-07	0.0242533	0.1787161	0.231688	0.021117	0.02303869	3.41887
2574	492880.5	3860393.11	0.17541	0.1901	0.29115	0.3661	0.36314	1.28964	0.189	0.1901	3.23813754	0.008088462	6.983E-07	0.034119	0.301281	0.320987	0.030852	0.0297794	3.903686
2575	492930.5	3860393.11	0.17471	0.18397	0.28884	0.35963	0.34765	1.03309	0.1808	0.18397	3.22521527	0.00782764	6.927E-07	0.033516	0.2884297	0.257133	0.029512	0.02881912	3.812815
2576	492980.5	3860393.11	0.17376	0.17656	0.28274	0.33404	0.35708	0.86547	0.1689	0.17656	3.2076779	0.007512356	6.781E-07	0.0311311	0.2962533	0.215413	0.027569	0.02765834	3.757899
2577	493030.5	3860393.11	0.17236	0.16912	0.27359	0.30921	0.36355	0.80663	0.1584	0.16912	3.18183335	0.007195795	6.562E-07	0.0288171	0.3016212	0.200767	0.025851	0.02649285	3.719593
2578	493080.5	3860393.11	0.1725	0.16636	0.25076	0.31998	0.37013	0.74469	0.1528	0.16636	3.1844178	0.007078361	6.014E-07	0.0298208	0.3070803	0.185351	0.024946	0.0260605	3.712634
2579	493130.5	3860393.11	0.16969	0.16307	0.24481	0.29723	0.34475	0.72962	0.1479	0.16307	3.1325441	0.006938377	5.871E-07	0.0277006	0.2860237	0.1816	0.024146	0.02554511	3.633409
2580	493180.5	3860393.11	0.1657	0.15991	0.24308	0.28023	0.31924	0.71505	0.1489	0.15991	3.05888713	0.006803924	5.83E-07	0.0261163	0.2648592	0.177974	0.02431	0.0250501	3.5339
2581	493230.5	3860393.11	0.16418	0.15682	0.23305	0.27892	0.29844	0.70756	0.1452	0.15682	3.03082733	0.006672449	5.589E-07	0.0259942	0.2476023	0.176109	0.023698	0.02456604	3.486338
2582	493280.5	3860393.11	0.16407	0.1518	0.22041	0.28668	0.28105	0.69751	0.1424	0.1518	3.02879669	0.006458856	5.286E-07	0.0267174	0.2331746	0.173608	0.02325	0.02377965	3.468227
2583	493330.5	3860393.11	0.16355	0.14807	0.22138	0.27938	0.26434	0.71052	0.1394	0.14807	3.01919728	0.00630015	5.309E-07	0.0260371	0.2193111	0.176846	0.022752	0.02319535	3.447249
2584	493380.5	3860393.11	0.16232	0.14517	0.21965	0.26444	0.24587	0.72022	0.1362	0.14517	2.996491	0.00617676	5.268E-07	0.0246447	0.2039874	0.17926	0.022233	0.02274106	3.410053
2585	492880.5	3860443.11	0.1743	0.20497	0.25671	0.37241	0.3905	1.22349	0.193	0.20497	3.21764651	0.008721157	6.157E-07	0.0347071	0.3239804	0.304523	0.031497	0.0321088	3.888966
2586	492930.5	3860443.11	0.17261	0.19863	0.26405	0.38387	0.36847	0.99455	0.1899	0.19863	3.18644844	0.0084514	6.333E-07	0.0357751	0.3057031	0.24754	0.030992	0.03111563	3.783795
2587	492980.5	3860443.11	0.17201	0.19062	0.27333	0.36514	0.34783	0.83882	0.1866	0.19062	3.17537221	0.008110587	6.555E-07	0.0340295	0.288579	0.208779	0.030455	0.02986086	3.715466
2588	493030.5	3860443.11	0.16965	0.18266	0.28139	0.34592	0.34491	0.76529	0.1782	0.18266	3.13180568	0.007771901	6.749E-07	0.0322383	0.2861564	0.190478	0.029089	0.02861391	3.648926
2589	493080.5	3860443.11	0.16601	0.17632	0.28533	0.32487	0.3517	0.72445	0.1713	0.17632	3.06460985	0.007502144	6.843E-07	0.0302765	0.2917898	0.180313	0.027966	0.02762074	3.574837
2590	493130.5	3860443.11	0.16399	0.16991	0.275	0.32111	0.35649	0.71062	0.1626	0.16991	3.02731986	0.007229408	6.595E-07	0.0299261	0.2957638	0.176871	0.026534	0.02661661	3.537029
2591	493180.5	3860443.11	0.16193	0.168	0.25997	0.30003	0.34495	0.68621	0.1605	0.168	2.98929145	0.007148141	6.235E-07	0.0279616	0.2861896	0.170795	0.026203	0.0263174	3.481272
2592	493230.5	3860443.11	0.16177	0.15954	0.25353	0.28162	0.32482	0.66635	0.1492	0.15954	2.98633778	0.006788181	6.081E-07	0.0262458	0.2694887	0.165852	0.024352	0.02499214	3.454073
2593	493280.5	3860443.11	0.16126	0.157	0.24376	0.2682	0.30439	0.64791	0.1444	0.157	2.97692298	0.006680108	5.846E-07	0.0249951	0.2525388	0.161263	0.023575	0.02459424	3.421381
2594	493330.5	3860443.11	0.16117	0.15558	0.22947	0.2708	0.28598	0.6569	0.1399	0.15558	2.97526155	0.006619689	5.503E-07	0.0252374	0.2372648	0.1635	0.022842	0.0243718	3.406355
2595	493380.5	3860443.11	0.15985	0.15084	0.22295	0.25498	0.26697	0.65321	0.1384	0.15084	2.95089383	0.006418009	5.347E-07	0.0237631	0.2214931	0.162582	0.022583	0.02362927	3.364104
2596	493180.5	3860493.11	0.16261	0.17744	0.26346	0.31692	0.34467	0.60658	0.1729	0.17744	3.00184451	0.007549798	6.319E-07	0.0295356	0.2859573	0.150976	0.028225	0.02779619	3.476293
2597	493230.5	3860493.11	0.15948	0.17118	0.2689	0.30673	0.34947	0.59511	0.1662	0.17118	2.94406348	0.007283445	6.449E-07	0.028586	0.2899397	0.148121	0.02713	0.02681556	3.418309
2598	493280.5	3860493.11	0.15755	0.16427	0.26724	0.29053	0.331	0.57728	0.1573	0.16427	2.90843492	0.006989435	6.409E-07	0.0270762	0.2746159	0.143683	0.025677	0.0257331	3.360745
2599	493330.5	3860493.11	0.15704	0.15995	0.25767	0.28983	0.30985	0.5914	0.1494	0.15995	2.89902012	0.006805626	6.18E-07	0.027011	0.2570687	0.147197	0.024388	0.02505636	3.336435
2600	493380.5	3860493.11	0.15593	0.15494	0.24659	0.27358	0.2887	0.57493	0.1444	0.15494	2.87852909	0.006592458	5.914E-07	0.0254965	0.2395215	0.143098	0.023573	0.02427154	3.29254
2601	493330.5	3860543.11	0.15664	0.16808	0.25311	0.29776	0.33706	0.52855	0.1636	0.16808	2.89163597	0.007151545	6.07E-07	0.02775	0.2796436	0.131554	0.026706	0.02632994	3.338112
2602	493380.5	3860543.11	0.15372	0.16482	0.25525	0.2881	0.3141	0.48823	0.1599	0.16482	2.83773162	0.007012837	6.122E-07	0.0268497	0.2605947	0.121519	0.026092	0.02581925	3.253981
2603	494135.94	3860876.85	0.12279	0.16056	0.15616	0.19198	0.1947	0.26883	0.1543	0.16056	2.26675166	0.00683158	3.745E-07	0.0178917	0.1615339	0.066911	0.025185	0.02515192	2.519953
2604	494185.94	3860876.85	0.122	0.15934	0.15785	0.19368	0.1823	0.27757	0.1504	0.15934	2.25216795	0.006779671	3.786E-07	0.0180502	0.1512462	0.069086	0.024546	0.02496081	2.496916
2605	494135.94	3860926.85	0.12249	0.16959	0.15299	0.19504	0.21332	0.2662	0.1631	0.16959	2.26121354	0.007215793	3.669E-07	0.0181769	0.1769821	0.066256	0.026621	0.02656648	2.529899
2606	494185.94	3860926.85	0.1218	0.16523	0.15879	0.19296	0.19857	0.25195	0.1593	0.16523	2.24847587	0.007030282	3.808E-07	0.0179831	0.1647447	0.062709	0.026007	0.02588348	2.501068
2607	494135.94	3860976.85	0.12172	0.17371	0.15747	0.17935	0.23411	0.25527	0.1723	0.17371	2.24699904	0.007391093	3.777E-07	0.0167147	0.1942306	0.063536	0.028131	0.02721188	2.529791
2608	494185.94	3860976.85	0.1212	0.17201	0.15128	0.18247	0.21807	0.26195	0.1684	0.17201	2.23739964	0.00731876	3.628E-07	0.0170054	0.1809229	0.065198	0.027486	0.02694558	2.508386
2609	494135.94	3861026.85	0.12017	0.18447	0.16722	0.16429	0.25598	0.21654	0.1811	0.18447	2.21838543	0.007848914	4.011E-07	0.0153111	0.2123752	0.053896	0.029562	0.02889745	2.508482
2610	494185.94	3861026.85	0.11996	0.17975	0.16067	0.16206	0.23912	0.22691	0.1763	0.17975	2.21450875	0.007648085	3.853E-07	0.0151033	0.1983872	0.056477	0.028779	0.02815806	2.492746
2611	494135.94	3861076.85	0.12089	0.19808	0.16516	0.16572	0.26699	0.19006	0.1951	0.19808	2.23167692	0.008427998	3.961E-07	0.0154444	0.2215097	0.047305	0.031841	0.03102947	2.525176
2612	494185.94	3861076.85	0.11796	0.19374	0.16447	0.16209	0.26108	0.1889	0.1882	0.19374	2.17758796	0.008243338	3.945E-07	0.0151061	0.2166064	0.047017	0.030721	0.03034961	2.464932
2613	490360.04	3858710.04	0.25522	0.15509	0.37951	0.54991	0.80948	0.3111	0.1507	0.15509	4.71146151	0.00659884	9.102E-07	0.0512493	0.6715894	0.077432	0.024602	0.02429504	5.518639
2614	490410.04	3858710.04	0.25301	0.15008	0.35444	0.58832	0.76553	0.30473	0.1444	0.15008	4.67066404	0.006385673	8.501E-07	0.054829	0.6351261	0.075846	0.023572	0.02351021	5.442914
2615	490460.04	3858710.04	0.25166	0.14295	0.33997	0.56565	0.74691	0.29422	0.1422	0.14295	4.64574251	0.006082302	8.154E-07	0.0527162	0.6196779	0.07323	0.023205	0.02239329	5.398261
2616	490510.04	3858710.04	0.2499	0.13816	0.42454	0.53789	0.70597	0.28604	0.1387	0.13816	4.61325222	0.005878495	1.018E-06	0.0501291	0.5857118	0.071194	0.022646	0.02164293	5.32717
2617	490560.04	3858710.04	0.24805	0.13419	0.31047	0.48211	0.66054	0.27885	0.1339	0.13419	4.57910049	0.005709578	7.446E-07	0.0449307	0.5480205	0.069405	0.021853	0.02102103	5.247999
2618	490610.04	3858710.04	0.24645	0.12989	0.28351	0.47271	0.68161	0.27046	0.1285	0.12989	4.54956387	0.005526619	6.8E-07	0.0440546	0.5655014	0.067317	0.02098	0.02034743	5.232596

2619	490660.04	3858710.04	0.24424	0.12885	0.27451	0.49303	0.72959	0.26517	0.1263	0.12885	4.5087664	0.005482369	6.584E-07	0.0459484	0.6053082	0.066	0.020611	0.02018451	5.231932
2620	490710.04	3858710.04	0.24336	0.12493	0.29917	0.5088	0.77875	0.25493	0.1187	0.12493	4.49252125	0.005315579	7.175E-07	0.0474181	0.6460941	0.063451	0.019379	0.01957044	5.254609
2621	490760.04	3858710.04	0.24305	0.12169	0.36939	0.49146	0.82409	0.24581	0.1124	0.12169	4.48679853	0.005177722	8.859E-07	0.045802	0.6837107	0.061181	0.01834	0.01906289	5.281949
2622	490810.04	3858710.04	0.24335	0.11836	0.35266	0.44973	0.76532	0.23691	0.1098	0.11836	4.49233665	0.005036035	8.458E-07	0.041913	0.6349518	0.058966	0.017923	0.01854124	5.232586
2623	490860.04	3858710.04	0.2443	0.11312	0.325	0.42763	0.6895	0.22851	0.1083	0.11312	4.50987402	0.004813082	7.795E-07	0.0398533	0.5720474	0.056875	0.017671	0.01772039	5.183415
2624	490360.04	3858760.04	0.25761	0.16005	0.36857	0.5516	0.82422	0.31045	0.1546	0.16005	4.75558185	0.006809881	8.84E-07	0.0514068	0.6838185	0.07727	0.025232	0.02507203	5.575048
2625	490410.04	3858760.04	0.2555	0.15415	0.34465	0.52173	0.80837	0.29867	0.1464	0.15415	4.71663042	0.006558845	8.266E-07	0.0486231	0.6706685	0.074338	0.023903	0.02414779	5.516575
2626	490460.04	3858760.04	0.25374	0.14761	0.46454	0.51502	0.78565	0.28564	0.1436	0.14761	4.68414013	0.006280578	1.114E-06	0.0479977	0.6518187	0.071095	0.023443	0.02312329	5.461653
2627	490510.04	3858760.04	0.25225	0.1408	0.32665	0.4608	0.72585	0.27222	0.1404	0.1408	4.65663415	0.005990823	7.834E-07	0.0429447	0.6022053	0.067755	0.022916	0.02205649	5.37639
2628	490560.04	3858760.04	0.25049	0.13443	0.28899	0.45267	0.72	0.26216	0.1339	0.13443	4.62414385	0.005719789	6.931E-07	0.042187	0.5973519	0.065251	0.02186	0.02105862	5.335455
2629	490610.04	3858760.04	0.24906	0.13005	0.29186	0.4565	0.67943	0.25154	0.1268	0.13005	4.59774549	0.005533427	7E-07	0.0425439	0.5636927	0.062607	0.020696	0.02037249	5.272447
2630	490660.04	3858760.04	0.2476	0.12661	0.35102	0.47573	0.63495	0.24648	0.1206	0.12661	4.57079332	0.00538706	8.419E-07	0.0443361	0.5267897	0.061348	0.01969	0.01983361	5.208512
2631	490710.04	3858760.04	0.24636	0.1234	0.42569	0.49575	0.6492	0.24338	0.1143	0.1234	4.54790243	0.00525048	1.021E-06	0.0462018	0.5386123	0.060576	0.018662	0.01933076	5.197876
2632	490760.04	3858760.04	0.2457	0.11922	0.4065	0.42974	0.69803	0.24018	0.111	0.11922	4.53571857	0.005072627	9.749E-07	0.04005	0.5791243	0.05978	0.018115	0.01867596	5.219186
2633	490810.04	3858760.04	0.24506	0.11532	0.38614	0.40828	0.74436	0.23317	0.1096	0.11532	4.52390392	0.004906688	9.261E-07	0.03805	0.6175623	0.058035	0.017882	0.01806502	5.242276
2634	490860.04	3858760.04	0.24421	0.11202	0.36596	0.39953	0.7876	0.22537	0.1083	0.11202	4.50821259	0.004766278	8.777E-07	0.0372345	0.6534366	0.056094	0.017684	0.01754807	5.259881
2635	490360.04	3858810.04	0.26052	0.1638	0.38343	0.50085	0.85354	0.31453	0.1559	0.1638	4.8093016	0.006969437	9.196E-07	0.0466771	0.708144	0.078285	0.025451	0.02565947	5.64917
2636	490410.04	3858810.04	0.25826	0.15695	0.45762	0.48612	0.81473	0.30161	0.1474	0.15695	4.76758111	0.00667798	1.098E-06	0.0453044	0.6759451	0.07507	0.024057	0.02458641	5.57005
2637	490460.04	3858810.04	0.25627	0.14987	0.32036	0.45815	0.80479	0.28832	0.1447	0.14987	4.73084493	0.006376737	7.683E-07	0.0426977	0.6676983	0.071762	0.023626	0.02347732	5.519529
2638	490510.04	3858810.04	0.25406	0.14453	0.27071	0.44433	0.78576	0.27851	0.1428	0.14453	4.69004746	0.006149529	6.493E-07	0.0414097	0.65191	0.06932	0.023304	0.0226408	5.459501
2639	490560.04	3858810.04	0.25221	0.13645	0.31235	0.43337	0.75334	0.26812	0.1373	0.13645	4.65589573	0.005805737	7.491E-07	0.0403883	0.6250126	0.066734	0.022416	0.02137506	5.394878
2640	490610.04	3858810.04	0.2512	0.13151	0.43796	0.47453	0.68482	0.25561	0.1274	0.13151	4.63725073	0.005595548	1.05E-06	0.0442242	0.5681646	0.06362	0.020802	0.0206012	5.319057
2641	490660.04	3858810.04	0.24999	0.12685	0.43807	0.46559	0.69373	0.25204	0.12	0.12685	4.61491366	0.005397272	1.051E-06	0.0433911	0.5755568	0.062732	0.019579	0.01987121	5.3017
2642	490710.04	3858810.04	0.24921	0.12235	0.43336	0.43436	0.65344	0.24831	0.1148	0.12235	4.60051455	0.005205804	1.039E-06	0.0404806	0.54213	0.061804	0.01873	0.01916628	5.2497
2643	490760.04	3858810.04	0.24928	0.11669	0.41486	0.40155	0.61035	0.23246	0.1132	0.11669	4.60180678	0.00496498	9.95E-07	0.0374228	0.5063801	0.057859	0.018481	0.01827963	5.208635
2644	490810.04	3858810.04	0.24763	0.1145	0.4027	0.38767	0.61713	0.22604	0.1123	0.1145	4.57134713	0.004871798	9.658E-07	0.0361292	0.5120052	0.056261	0.018327	0.01793656	5.181006
2645	490860.04	3858810.04	0.2473	0.10986	0.38307	0.36363	0.66342	0.21153	0.1114	0.10986	4.5652552	0.004674374	9.187E-07	0.0338888	0.55041	0.052649	0.01819	0.0172097	5.207859
2646	490360.04	3858860.04	0.26591	0.16559	0.41978	0.4832	0.9362	0.32512	0.1568	0.16559	4.90880311	0.007045599	1.007E-06	0.0450322	0.7767233	0.080921	0.025588	0.02593988	5.818174
2647	490410.04	3858860.04	0.26049	0.16123	0.34707	0.47027	0.8729	0.31699	0.1509	0.16123	4.80874778	0.006860088	8.324E-07	0.0438272	0.7242062	0.078898	0.024633	0.02525688	5.661916
2648	490460.04	3858860.04	0.25862	0.15266	0.27402	0.45143	0.80994	0.30118	0.1459	0.15266	4.77422685	0.006495448	6.572E-07	0.0420714	0.6719711	0.074963	0.023817	0.02391437	5.56963
2649	490510.04	3858860.04	0.256	0.1485	0.40824	0.44015	0.79299	0.29387	0.1441	0.1485	4.72586062	0.006318446	9.791E-07	0.0410202	0.6579084	0.073143	0.023523	0.02326271	5.504512
2650	490560.04	3858860.04	0.25456	0.14151	0.42451	0.43097	0.7808	0.28021	0.1401	0.14151	4.69927765	0.006021032	1.018E-06	0.0401646	0.6477949	0.069743	0.022868	0.02216771	5.463703
2651	490610.04	3858860.04	0.25416	0.13398	0.42044	0.46425	0.76258	0.26196	0.1267	0.13398	4.6918935	0.005700642	1.008E-06	0.0432662	0.6326786	0.065201	0.020681	0.02098813	5.438434
2652	490660.04	3858860.04	0.2529	0.12927	0.44918	0.44899	0.71299	0.25132	0.1192	0.12927	4.6686334	0.005500239	1.077E-06	0.041844	0.591536	0.062553	0.019455	0.0202503	5.369272
2653	490710.04	3858860.04	0.25127	0.125	0.41266	0.42504	0.65283	0.24256	0.1177	0.125	4.63854296	0.005318557	9.897E-07	0.039612	0.5416239	0.060372	0.019214	0.0195814	5.285103
2654	490760.04	3858860.04	0.25111	0.11863	0.40026	0.39064	0.66772	0.22779	0.1161	0.11863	4.6355893	0.005047524	9.6E-07	0.036406	0.5539775	0.056696	0.018944	0.01858353	5.288078
2655	490810.04	3858860.04	0.25085	0.11303	0.35403	0.37138	0.62765	0.21795	0.1148	0.11303	4.6307896	0.004809252	8.491E-07	0.0346111	0.5207332	0.054247	0.018742	0.01770629	5.246227
2656	490860.04	3858860.04	0.25081	0.10746	0.30137	0.32865	0.58439	0.20786	0.1115	0.10746	4.63005118	0.004572257	7.228E-07	0.0306288	0.4848423	0.051736	0.0182	0.01683374	5.203197
2657	490360.04	3858910.04	0.27229	0.17584	0.35847	0.49694	0.99188	0.33134	0.16	0.17584	5.02658042	0.007481721	8.597E-07	0.0463128	0.8229186	0.082469	0.02612	0.02754555	5.984338
2658	490410.04	3858910.04	0.26657	0.16914	0.34357	0.45834	0.94288	0.31875	0.156	0.16914	4.92098697	0.007196646	8.24E-07	0.0427154	0.7822654	0.079336	0.025464	0.02649599	5.831469
2659	490460.04	3858910.04	0.26142	0.159	0.35111	0.45748	0.88764	0.30495	0.1476	0.159	4.82591595	0.006765205	8.421E-07	0.0426352	0.7364353	0.075901	0.024097	0.02490754	5.686843
2660	490510.04	3858910.04	0.25949	0.15068	0.5405	0.43315	0.82752	0.2896	0.1449	0.15068	4.79028739	0.006411202	1.296E-06	0.0403678	0.6865564	0.07208	0.023647	0.02360421	5.595747
2661	490560.04	3858910.04	0.25826	0.14165	0.45023	0.43604	0.78018	0.27117	0.1402	0.14165	4.76758111	0.006026989	1.08E-06	0.0406371	0.6472805	0.067493	0.022878	0.02218964	5.529709
2662	490610.04	3858910.04	0.25727	0.13398	0.41075	0.42936	0.77344	0.25776	0.1282	0.13398	4.74930532	0.005700642	9.851E-07	0.0400146	0.6416886	0.064156	0.020931	0.02098813	5.500808
2663	490660.04	3858910.04	0.25587	0.13312	0.36123	0.40527	0.75852	0.24773	0.1217	0.13312	4.72346077	0.005664051	8.664E-07	0.0377695	0.6293102	0.061659	0.019863	0.02085341	5.456874
2664	490710.04	3858910.04	0.255	0.12321	0.36897	0.38897	0.73748	0.23752	0.1198	0.12321	4.70740023	0.005242395	8.849E-07	0.0362504	0.6118542	0.059118	0.019556	0.019301	5.420121
2665	490760.04	3858910.04	0.25489	0.11995	0.35329	0.35964	0.67282	0.22538	0.1177	0.11995	4.70536958	0.005103687	8.473E-07	0.033517	0.5582087	0.056096	0.019212	0.01879031	5.358718
2666	490810.04	3858910.04	0.25389	0.11618	0.36113	0.33599	0.6275	0.21735	0.1137	0.11618	4.68690919	0.00494328	8.661E-07	0.0313129	0.5206087	0.054098	0.018556	0.01819974	5.298229
2667	490860.04	3858910.04	0.25422	0.10938	0.36706	0.30917	0.64038	0.20153	0.1108	0.10938	4.69300112	0.00465395	8.803E-07	0.0288134	0.5312947	0.05016	0.018081	0.01713451	5.30887
2668	490360.04	3858960.04	0.28109	0.17859	0.37067	0.46247	1.02958	0.32711	0.1627	0.17859	5.18903188	0.007598729	8.89E-07	0.0431003	0.8541966	0.081417	0.026556	0.02797634	6.173924
2669	490410.04	3858960.04	0.27519	0.1694	0.48749	0.4704	0.99625	0.31083	0.1556	0.1694	5.08011556	0.007207709	1.169E-06	0.0438393	0.8265441	0.077365	0.025397	0.02653672	6.033932
2670	490460.04	3858960.04	0.26995	0.15943	0.46838	0.44627	0.95404	0.29398	0.1482	0.15943	4.9833831	0.006783501	1.123E-06	0.0415905	0.7915244	0.073171	0.024197	0.0249749	5.895675
2671	490510.04	3858960.04	0.26495	0.15071	0.58027	0.42511	0.90267	0.28119	0.1452	0.15071	4.89108114	0.006412478	1.392E-06	0.0396185	0.748905	0.069987	0.023693	0.02360891	5.756089
2672	490560.04	3858960.04	0.26232	0.1422	0.36889	0.41623	0.84541	0.2708	0.1407	0.1422	4.8425303	0.006050391	8.847E-07	0.0387909	0.7013989	0.067401	0.022968	0.0222758	5.656865
2673	490610.04	3858960.04	0.26133	0.1337	0.42656	0.38569	0.78483	0.26461	0.126	0.1337	4.82425451	0.005688729	1.023E-06	0.0359447	0.6511384	0.065861	0.020565	0.02094427	5.582509
2674	490660.04	3858960.04	0.25882	0.13305	0.43098	0.39115	0.75987	0.25876	0.1235	0.13305	4.77791893	0.005661072	1.034E-06	0.0364536	0.6304302	0.064404	0.020155	0.02084244	5.514182
2675	490710.04	3858960.04	0.25833	0.1258	0.41958	0.36193	0.75084	0.23964	0.1208	0.1258	4.76887334	0.005352596	1.006E-06	0.0337304	0.6229384	0.059646	0.01971	0.01970672	5.490544

2676	490760.04	3858960.04	0.25771	0.1226	0.43364	0.33876	0.7345	0.22394	0.118	0.1226	4.75742789	0.005216441	1.04E-06	0.031571	0.6093819	0.055738	0.019266	0.01920544	5.459397
2677	490810.04	3858960.04	0.25742	0.1174	0.44086	0.3053	0.6957	0.21231	0.1156	0.1174	4.75207438	0.004995189	1.057E-06	0.0284527	0.5771912	0.052843	0.018871	0.01839085	5.416038
2678	490860.04	3858960.04	0.25804	0.1098	0.47387	0.30679	0.63062	0.19749	0.1128	0.1098	4.76351982	0.004671821	1.137E-06	0.0285916	0.5231973	0.049155	0.018419	0.0172003	5.370355
2679	490360.04	3859010.04	0.2878	0.18288	0.64699	0.46797	0.98511	0.33833	0.1678	0.18288	5.31290112	0.007781262	1.552E-06	0.0436129	0.8173018	0.084209	0.027391	0.02864837	6.264551
2680	490410.04	3859010.04	0.28563	0.17223	0.60404	0.48128	1.02549	0.32394	0.1572	0.17223	5.27284207	0.007328121	1.449E-06	0.0448533	0.8508033	0.080628	0.025666	0.02698004	6.255142
2681	490460.04	3859010.04	0.28041	0.15902	0.47612	0.44074	0.99958	0.30207	0.1484	0.15902	5.17647881	0.006766056	1.142E-06	0.0410751	0.8293069	0.075184	0.024217	0.02491068	6.128118
2682	490510.04	3859010.04	0.27567	0.14697	0.49928	0.40833	0.96228	0.28184	0.1442	0.14697	5.08897655	0.006253347	1.197E-06	0.0380547	0.7983608	0.070149	0.023542	0.02302303	6.002315
2683	490560.04	3859010.04	0.27003	0.14277	0.51321	0.40004	0.91335	0.2711	0.1373	0.14277	4.98485993	0.006074643	1.231E-06	0.0372821	0.7577657	0.067476	0.022405	0.02236509	5.853499
2684	490610.04	3859010.04	0.26627	0.1347	0.48877	0.3787	0.86034	0.25674	0.127	0.1347	4.91544886	0.005731277	1.172E-06	0.0352933	0.7137857	0.063902	0.020722	0.02110092	5.733783
2685	490660.04	3859010.04	0.26281	0.1325	0.52839	0.36276	0.80025	0.24788	0.1249	0.1325	4.8515759	0.005637671	1.267E-06	0.0338077	0.6639317	0.061696	0.020381	0.02075629	5.616275
2686	490710.04	3859010.04	0.26245	0.12604	0.58004	0.32376	0.74341	0.22965	0.121	0.12604	4.84493015	0.005362808	1.391E-06	0.0301731	0.6167741	0.057159	0.019757	0.01974432	5.554414
2687	490760.04	3859010.04	0.26209	0.11833	0.57161	0.30863	0.73782	0.2164	0.118	0.11833	4.83828441	0.005034759	1.371E-06	0.028763	0.6121363	0.053861	0.019258	0.01853654	5.538802
2688	490810.04	3859010.04	0.26214	0.11094	0.57732	0.29399	0.72504	0.20352	0.1153	0.11094	4.83920743	0.004720326	1.385E-06	0.0273987	0.6015333	0.050655	0.018819	0.01737889	5.524956
2689	490860.04	3859010.04	0.26209	0.10507	0.56098	0.30211	0.7063	0.19252	0.113	0.10507	4.83828441	0.004470566	1.345E-06	0.0281554	0.5859856	0.047918	0.018448	0.01645934	5.506804
2690	490360.04	3859060.04	0.28937	0.18812	0.7007	0.49522	0.8256	0.35032	0.1705	0.18812	5.34188394	0.008004216	1.681E-06	0.0461525	0.6849635	0.087193	0.027837	0.02946923	6.166567
2691	490410.04	3859060.04	0.29038	0.17125	0.60226	0.47525	0.92513	0.32608	0.157	0.17125	5.36052893	0.007286423	1.444E-06	0.0442913	0.7675391	0.08116	0.025627	0.02682652	6.259608
2692	490460.04	3859060.04	0.29034	0.16123	0.62202	0.43526	1.00738	0.30393	0.1486	0.16123	5.35979052	0.006860088	1.492E-06	0.0405644	0.8357782	0.075647	0.024253	0.02525688	6.317638
2693	490510.04	3859060.04	0.28704	0.15366	0.59992	0.40762	0.99686	0.28541	0.1441	0.15366	5.29887122	0.006537996	1.439E-06	0.0379885	0.8270502	0.071038	0.023518	0.02407103	6.240934
2694	490560.04	3859060.04	0.28235	0.14023	0.64055	0.36684	0.96363	0.26555	0.131	0.14023	5.21229198	0.00596657	1.536E-06	0.034188	0.7994808	0.066094	0.021375	0.0219672	6.117431
2695	490610.04	3859060.04	0.27703	0.1342	0.68915	0.36656	0.91971	0.25415	0.1286	0.1342	5.11408269	0.005710003	1.653E-06	0.0341619	0.7630423	0.063257	0.02099	0.02102259	5.980223
2696	490660.04	3859060.04	0.27202	0.12928	0.69321	0.33387	0.86906	0.24368	0.1262	0.12928	5.02159612	0.005500665	1.663E-06	0.0311153	0.7210203	0.060651	0.020603	0.02025187	5.840236
2697	490710.04	3859060.04	0.26914	0.11946	0.72005	0.30544	0.81337	0.22585	0.1195	0.11946	4.96843018	0.005082839	1.727E-06	0.0284657	0.6748168	0.056213	0.019503	0.01871355	5.7338
2698	490760.04	3859060.04	0.26781	0.11146	0.71681	0.29456	0.75304	0.21143	0.1165	0.11146	4.94387786	0.004742451	1.719E-06	0.0274518	0.6247637	0.052624	0.019011	0.01746034	5.655013
2699	490810.04	3859060.04	0.26808	0.10578	0.60509	0.28682	0.7192	0.19682	0.1135	0.10578	4.94886217	0.004500776	1.451E-06	0.0267304	0.5966881	0.048988	0.01853	0.01657057	5.62773
2700	490860.04	3859060.04	0.26819	0.102	0.5488	0.28545	0.75403	0.18611	0.111	0.102	4.95089281	0.004339943	1.316E-06	0.0266028	0.625585	0.046322	0.018123	0.01597842	5.655889
2701	490360.04	3859110.04	0.29324	0.19638	0.81363	0.52885	0.68533	0.35329	0.1772	0.19638	5.41332566	0.008355666	1.951E-06	0.0492866	0.5685877	0.087933	0.028931	0.03076317	6.125658
2702	490410.04	3859110.04	0.28848	0.17904	0.78394	0.48955	0.75611	0.32759	0.1634	0.17904	5.32545419	0.007617876	1.88E-06	0.045624	0.6273107	0.081536	0.026675	0.02804683	6.086173
2703	490460.04	3859110.04	0.28783	0.17205	0.79626	0.42637	0.84684	0.31064	0.153	0.17205	5.31345493	0.007320462	1.91E-06	0.0397359	0.7025853	0.077317	0.024981	0.02695184	6.138444
2704	490510.04	3859110.04	0.29047	0.15071	0.82139	0.39312	0.94071	0.27972	0.1391	0.15071	5.36219037	0.006412478	1.97E-06	0.0366372	0.7804651	0.069621	0.022699	0.02360891	6.254418
2705	490560.04	3859110.04	0.29049	0.13825	0.84556	0.35993	0.98953	0.26547	0.1323	0.13825	5.36255958	0.005882324	2.028E-06	0.033544	0.8209689	0.066075	0.021587	0.02165703	6.288961
2706	490610.04	3859110.04	0.29063	0.13358	0.87848	0.33669	0.96022	0.24785	0.1268	0.13358	5.36514403	0.005683623	2.107E-06	0.0313781	0.7966517	0.061689	0.020694	0.02092547	6.260317
2707	490660.04	3859110.04	0.28708	0.1234	0.75939	0.30415	0.92042	0.22909	0.1195	0.1234	5.29960964	0.00525048	1.821E-06	0.0283455	0.7636314	0.05702	0.019512	0.01933076	6.15404
2708	490710.04	3859110.04	0.28226	0.11628	0.6997	0.2951	0.87304	0.2185	0.1172	0.11628	5.21063054	0.004947535	1.678E-06	0.0275021	0.7243223	0.054384	0.01913	0.0182154	6.022703
2709	490760.04	3859110.04	0.2788	0.11037	0.62286	0.28514	0.82016	0.20681	0.1143	0.11037	5.14675758	0.004696073	1.494E-06	0.0265739	0.6804501	0.051474	0.018657	0.01728959	5.911321
2710	490810.04	3859110.04	0.27661	0.10544	0.53278	0.28342	0.79813	0.18944	0.1109	0.10544	5.10632932	0.004486309	1.278E-06	0.0264136	0.6621728	0.047151	0.018099	0.0165173	5.848136
2711	490860.04	3859110.04	0.27646	0.09892	0.4689	0.26301	0.74557	0.17847	0.1078	0.09892	5.10356026	0.004208893	1.125E-06	0.0245114	0.6185661	0.044421	0.017596	0.01549594	5.797369
2712	490360.04	3859160.04	0.30194	0.20784	1.02379	0.50164	0.63802	0.36341	0.1874	0.20784	5.57393108	0.008843271	2.455E-06	0.0467508	0.5293367	0.090452	0.030596	0.03255839	6.247353
2713	490410.04	3859160.04	0.29718	0.19113	1.09426	0.45873	0.62746	0.33637	0.1699	0.19113	5.4860596	0.008132287	2.624E-06	0.0427517	0.5205755	0.083721	0.027729	0.02994075	6.139032
2714	490460.04	3859160.04	0.29237	0.18252	1.18267	0.43683	0.71056	0.31302	0.1608	0.18252	5.39726511	0.007765944	2.836E-06	0.0407107	0.5895199	0.07791	0.026254	0.02859198	6.110836
2715	490510.04	3859160.04	0.28765	0.1616	1.11675	0.41939	0.77395	0.29036	0.1497	0.1616	5.31013206	0.006875831	2.678E-06	0.0390854	0.6421118	0.07227	0.02443	0.02531484	6.069593
2716	490560.04	3859160.04	0.2886	0.14336	0.96347	0.36514	0.86203	0.26464	0.1338	0.14336	5.32766943	0.006099747	2.311E-06	0.0340295	0.7151878	0.065868	0.021843	0.02245752	6.148243
2717	490610.04	3859160.04	0.28956	0.13787	0.84516	0.33107	0.94476	0.24882	0.1301	0.13787	5.34539141	0.005866156	2.027E-06	0.0308544	0.7838252	0.06193	0.021239	0.0215975	6.227511
2718	490660.04	3859160.04	0.2949	0.12367	0.66864	0.29631	0.9501	0.21845	0.1211	0.12367	5.44396991	0.005261968	1.604E-06	0.0276149	0.7882556	0.054371	0.01977	0.01937306	6.319873
2719	490710.04	3859160.04	0.2959	0.11572	0.6412	0.28702	0.91489	0.21159	0.1178	0.11572	5.4624303	0.004923708	1.538E-06	0.0267491	0.7590434	0.052664	0.01922	0.01812768	6.306905
2720	490760.04	3859160.04	0.29475	0.10887	0.55961	0.27129	0.94377	0.19897	0.1126	0.10887	5.44120085	0.004632251	1.342E-06	0.0252831	0.7830038	0.049523	0.018375	0.01705462	6.304964
2721	490810.04	3859160.04	0.29071	0.10255	0.52232	0.26483	0.88732	0.18859	0.1098	0.10255	5.36662086	0.004363344	1.253E-06	0.0246811	0.7361698	0.046939	0.017919	0.01606458	6.18063
2722	490860.04	3859160.04	0.28739	0.09542	0.51169	0.26019	0.82042	0.18013	0.107	0.09542	5.30533236	0.004059974	1.227E-06	0.0242486	0.6806658	0.044834	0.017462	0.01494766	6.061656
2723	490360.04	3859210.04	0.30213	0.22107	1.41719	0.52669	0.65592	0.3911	0.2006	0.22107	5.57743855	0.009406188	3.399E-06	0.0490853	0.5441875	0.097343	0.03274	0.03463088	6.275574
2724	490410.04	3859210.04	0.30046	0.20766	1.32685	0.49246	0.60347	0.37001	0.1893	0.20766	5.54660969	0.008835613	3.182E-06	0.0458952	0.5006721	0.092094	0.030894	0.03253019	6.192474
2725	490460.04	3859210.04	0.30143	0.1873	1.14681	0.45374	0.60837	0.33128	0.1665	0.1873	5.56451628	0.007969326	2.75E-06	0.0422867	0.5047374	0.082454	0.027179	0.02934077	6.199805
2726	490510.04	3859210.04	0.29732	0.16452	1.07527	0.41121	0.65313	0.30217	0.1537	0.16452	5.48864406	0.007000072	2.579E-06	0.0383231	0.5418728	0.075209	0.025082	0.02577226	6.150361
2727	490560.04	3859210.04	0.29185	0.15371	1.07063	0.36056	0.70623	0.28765	0.1431	0.15371	5.38766571	0.006540123	2.568E-06	0.0336027	0.5859275	0.071595	0.023363	0.02407886	6.084618
2728	490610.04	3859210.04	0.28739	0.1452	0.96238	0.33722	0.78581	0.26454	0.1344	0.1452	5.30533236	0.006178036	2.308E-06	0.0314275	0.6519515	0.065843	0.021938	0.02274576	6.059927
2729	490660.04	3859210.04	0.29193	0.13184	0.80448	0.3027	0.86488	0.23411	0.1262	0.13184	5.38914254	0.005609589	1.929E-06	0.0282104	0.7175523	0.058269	0.020599	0.0206529	6.198733
2730	490710.04	3859210.04	0.29568	0.11949	0.73265	0.28946	0.9373	0.21504	0.1214	0.11949	5.45836902	0.005084115	1.757E-06	0.0269765	0.777636	0.053523	0.019818	0.01871825	6.322689
2731	490760.04	3859210.04	0.29572	0.1118	0.67869	0.27244	0.99555	0.20479	0.1156	0.1118	5.45910743	0.004756918	1.628E-06	0.0253903	0.8259634	0.050972	0.018874	0.01751361	6.367552
2732	490810.04	3859210.04	0.29463	0.10964	0.62379	0.27117	0.95026	0.19876	0.1142	0.10964	5.4389856	0.004665013	1.496E-06	0.0252719	0.7883883	0.049471	0.018641	0.01717524	6.308248

2733	490860.04	3859210.04	0.29333	0.10687	0.62152	0.26585	0.89639	0.19591	0.1127	0.10687	5.41498709	0.004547154	1.491E-06	0.0247761	0.7436948	0.048761	0.018391	0.01674132	6.238418
2734	490360.04	3859260.04	0.30613	0.23285	1.38883	0.56823	0.65719	0.41024	0.2147	0.23285	5.65128012	0.009907408	3.331E-06	0.0529567	0.5452412	0.102107	0.035044	0.03647624	6.360063
2735	490410.04	3859260.04	0.30109	0.21651	1.37389	0.52102	0.64051	0.38355	0.2	0.21651	5.55823974	0.009212167	3.295E-06	0.0485569	0.5314025	0.095464	0.032652	0.03391656	6.241615
2736	490460.04	3859260.04	0.29714	0.20816	1.31226	0.48314	0.59743	0.36057	0.1885	0.20816	5.48532119	0.008856887	3.147E-06	0.0450266	0.495661	0.089745	0.030764	0.03260852	6.122769
2737	490510.04	3859260.04	0.29673	0.19388	1.31047	0.44937	0.60288	0.33442	0.1756	0.19388	5.47775243	0.008249295	3.143E-06	0.0418794	0.5001826	0.083236	0.02866	0.03037154	6.109591
2738	490560.04	3859260.04	0.29732	0.17348	1.23111	0.40584	0.59143	0.31457	0.1615	0.17348	5.48864406	0.007381306	2.953E-06	0.0378226	0.4906831	0.078295	0.026365	0.02717585	6.102018
2739	490610.04	3859260.04	0.2956	0.15733	1.07677	0.35126	0.67073	0.2862	0.142	0.15733	5.45689218	0.006694149	2.582E-06	0.032736	0.5564747	0.071234	0.023174	0.02464594	6.122561
2740	490660.04	3859260.04	0.2888	0.15173	0.97954	0.34075	0.71202	0.27563	0.1389	0.15173	5.33136151	0.006455877	2.349E-06	0.0317565	0.5907312	0.068603	0.022668	0.02376869	6.02781
2741	490710.04	3859260.04	0.2871	0.14413	0.9732	0.31794	0.78952	0.25535	0.1306	0.14413	5.29997884	0.006132509	2.334E-06	0.0296307	0.6550295	0.063556	0.021314	0.02257814	6.053066
2742	490760.04	3859260.04	0.29344	0.12993	0.81758	0.29765	0.8632	0.22987	0.1259	0.12993	5.41701773	0.005528321	1.961E-06	0.0277397	0.7161585	0.057214	0.020552	0.02035369	6.223859
2743	490810.04	3859260.04	0.29079	0.12418	0.74857	0.29089	0.899	0.21993	0.1232	0.12418	5.36809769	0.005283667	1.795E-06	0.0271097	0.7458602	0.05474	0.020115	0.01945295	6.201755
2744	490860.04	3859260.04	0.28364	0.11855	0.7025	0.28446	0.8671	0.2103	0.1207	0.11855	5.23610588	0.00504412	1.685E-06	0.0265105	0.7193942	0.052343	0.019698	0.018571	6.040527
2745	490360.04	3859310.04	0.31071	0.25793	1.6556	0.63964	0.65864	0.44769	0.2408	0.25793	5.73582872	0.010974524	3.971E-06	0.0596118	0.5464442	0.111429	0.039305	0.04040505	6.463192
2746	490410.04	3859310.04	0.30557	0.23659	1.50286	0.58834	0.65573	0.4181	0.2237	0.23659	5.6409423	0.01006654	3.604E-06	0.0548309	0.5440299	0.104064	0.036509	0.03706211	6.353384
2747	490460.04	3859310.04	0.30095	0.2227	1.40188	0.52853	0.64017	0.3843	0.209	0.2227	5.55565529	0.009475542	3.362E-06	0.0492568	0.5311205	0.095651	0.03411	0.03488623	6.240386
2748	490510.04	3859310.04	0.29632	0.2145	1.38459	0.48975	0.59571	0.36458	0.1979	0.2145	5.47018367	0.009126644	3.321E-06	0.0456427	0.494234	0.090743	0.032298	0.03360169	6.108629
2749	490560.04	3859310.04	0.29519	0.20496	1.30248	0.46514	0.57703	0.34747	0.1862	0.20496	5.44932342	0.008720732	3.124E-06	0.0433491	0.478736	0.086484	0.03039	0.03210723	6.064899
2750	490610.04	3859310.04	0.29425	0.19213	1.19746	0.43989	0.56434	0.33327	0.1766	0.19213	5.43197065	0.008174835	2.872E-06	0.0409959	0.4682077	0.08295	0.028831	0.0300974	6.031035
2751	490660.04	3859310.04	0.29295	0.17325	1.10869	0.40563	0.60558	0.31841	0.1641	0.17325	5.40797214	0.00737152	2.659E-06	0.037803	0.5024227	0.079251	0.026781	0.02713982	6.034464
2752	490710.04	3859310.04	0.29032	0.15894	0.98659	0.35131	0.6678	0.28502	0.144	0.15894	5.35942131	0.006762652	2.366E-06	0.0327406	0.5540438	0.070941	0.023508	0.02489814	6.022521
2753	490760.04	3859310.04	0.2873	0.15026	0.90149	0.3249	0.71882	0.26495	0.1375	0.15026	5.30367092	0.006393331	2.162E-06	0.0302793	0.5963729	0.065945	0.022439	0.02353841	6.001564
2754	490810.04	3859310.04	0.28886	0.14448	0.83334	0.31083	0.79132	0.25249	0.1309	0.14448	5.33246913	0.006147401	1.999E-06	0.0289681	0.6565229	0.062844	0.021362	0.02263297	6.085682
2755	490860.04	3859310.04	0.29085	0.13515	0.75906	0.2998	0.86134	0.23587	0.1258	0.13515	5.36920532	0.005750424	1.82E-06	0.0279401	0.7146153	0.058707	0.020534	0.02117141	6.175583
2756	490360.04	3859360.04	0.3174	0.28875	1.90959	0.72235	0.65096	0.49315	0.2746	0.28875	5.85932875	0.012285867	4.58E-06	0.06732	0.5400724	0.122743	0.044819	0.04523304	6.601341
2757	490410.04	3859360.04	0.31099	0.26991	1.74491	0.66148	0.64825	0.46767	0.2578	0.26991	5.74099763	0.011484254	4.185E-06	0.0616472	0.5378241	0.116401	0.042077	0.04228173	6.468154
2758	490460.04	3859360.04	0.30465	0.25385	1.57248	0.61779	0.63959	0.43893	0.2434	0.25385	5.62395874	0.010800926	3.771E-06	0.0575755	0.5306393	0.109248	0.039736	0.03976591	6.332197
2759	490510.04	3859360.04	0.29865	0.23878	1.40458	0.58187	0.60547	0.41307	0.2297	0.23878	5.51319638	0.010159721	3.369E-06	0.0542279	0.5023314	0.102812	0.037492	0.03740518	6.182817
2760	490560.04	3859360.04	0.29476	0.22301	1.24651	0.51755	0.59244	0.38932	0.2132	0.22301	5.44138545	0.009488732	2.99E-06	0.0482335	0.491521	0.0969	0.034797	0.03493479	6.087394
2761	490610.04	3859360.04	0.29315	0.21322	1.1889	0.47402	0.54329	0.36446	0.1981	0.21322	5.41166422	0.009072182	2.851E-06	0.0441767	0.4507435	0.090713	0.032329	0.03340117	6.0053
2762	490660.04	3859360.04	0.29155	0.19662	1.08139	0.45137	0.56087	0.34667	0.1857	0.19662	5.38212759	0.008365878	2.594E-06	0.0420658	0.4653288	0.086285	0.030318	0.03080076	5.983693
2763	490710.04	3859360.04	0.29153	0.17894	0.97081	0.41586	0.55168	0.32465	0.1679	0.17894	5.38175838	0.007613621	2.328E-06	0.0387564	0.4577043	0.080804	0.0274	0.02803117	5.966008
2764	490760.04	3859360.04	0.29067	0.16762	0.86671	0.36837	0.62305	0.29804	0.1494	0.16762	5.36588245	0.007131972	2.079E-06	0.0343306	0.5169168	0.074181	0.02439	0.02625788	5.996577
2765	490810.04	3859360.04	0.28537	0.16134	0.80223	0.35476	0.65715	0.28856	0.1458	0.16134	5.26804236	0.006864768	1.924E-06	0.0330622	0.545208	0.071822	0.023795	0.02527411	5.923522
2766	490860.04	3859360.04	0.28703	0.15341	0.73776	0.33207	0.72211	0.27185	0.1404	0.15341	5.29868662	0.006527359	1.769E-06	0.0309476	0.5991024	0.067663	0.022924	0.02403186	6.00182
2767	490360.04	3859410.04	0.33026	0.32666	1.6425	0.84994	0.61866	0.5485	0.3107	0.32666	6.09672941	0.013898879	3.939E-06	0.0792109	0.5132746	0.13652	0.050709	0.05117169	6.839174
2768	490410.04	3859410.04	0.318	0.30849	1.45638	0.7865	0.6065	0.52116	0.2956	0.30849	5.87040499	0.013125774	3.493E-06	0.0732985	0.503186	0.129715	0.048244	0.04832533	6.589652
2769	490460.04	3859410.04	0.30915	0.29074	1.30474	0.72855	0.63365	0.49101	0.2757	0.29074	5.70703051	0.012370539	3.129E-06	0.0678978	0.5257111	0.122211	0.045007	0.04554478	6.434686
2770	490510.04	3859410.04	0.30332	0.27312	1.19601	0.66817	0.60454	0.46161	0.2623	0.27312	5.59940642	0.011620835	2.868E-06	0.0622707	0.5015598	0.114893	0.042817	0.04278458	6.289786
2771	490560.04	3859410.04	0.29927	0.25617	1.11589	0.61183	0.58642	0.4355	0.2471	0.25617	5.52464183	0.010899638	2.676E-06	0.05702	0.4865265	0.108394	0.04034	0.04012934	6.187696
2772	490610.04	3859410.04	0.2962	0.23946	1.04219	0.5676	0.57116	0.41399	0.2326	0.23946	5.46796842	0.010188654	2.5E-06	0.052898	0.473866	0.103041	0.03796	0.0375117	6.108413
2773	490660.04	3859410.04	0.29422	0.22153	0.97657	0.49377	0.53914	0.38491	0.2124	0.22153	5.43141684	0.00942576	2.342E-06	0.0460173	0.4473004	0.095803	0.034666	0.03470294	6.029929
2774	490710.04	3859410.04	0.29201	0.20272	0.9466	0.45983	0.54798	0.35339	0.1941	0.20272	5.39061937	0.008625423	2.27E-06	0.0428543	0.4546345	0.087958	0.031689	0.03175633	5.984626
2775	490760.04	3859410.04	0.29069	0.18791	0.9121	0.42568	0.5259	0.33029	0.1689	0.18791	5.36625165	0.007995281	2.188E-06	0.0396716	0.4363157	0.082208	0.027573	0.02943633	5.930581
2776	490810.04	3859410.04	0.28711	0.17987	0.87328	0.40702	0.56607	0.31842	0.1664	0.17987	5.30016345	0.007653191	2.094E-06	0.0379326	0.469643	0.079254	0.027165	0.02817685	5.893636
2777	490860.04	3859410.04	0.2824	0.1732	0.838	0.39564	0.6292	0.30949	0.1632	0.1732	5.213215	0.007369393	2.01E-06	0.036872	0.5220191	0.077031	0.026645	0.02713199	5.856022
2778	490360.04	3859460.04	0.34137	0.37228	1.57581	1.05462	0.5777	0.69431	0.3658	0.37228	6.30182437	0.01583994	3.779E-06	0.0982862	0.4792919	0.172811	0.059704	0.05831812	7.069444
2779	490410.04	3859460.04	0.33405	0.34703	1.41223	0.93333	0.59771	0.61807	0.3291	0.34703	6.1666943	0.014765591	3.387E-06	0.0869825	0.4958933	0.153836	0.053714	0.05436267	6.917526
2780	490460.04	3859460.04	0.32232	0.32785	1.28883	0.84655	0.58433	0.56914	0.3111	0.32785	5.95015389	0.013949512	3.091E-06	0.078895	0.4847925	0.141657	0.050777	0.0513581	6.66887
2781	490510.04	3859460.04	0.31719	0.30856	1.1837	0.76997	0.6162	0.52704	0.2897	0.30856	5.85545207	0.013128752	2.839E-06	0.071758	0.5112336	0.131178	0.047284	0.0483363	6.581702
2782	490560.04	3859460.04	0.31203	0.28925	1.0989	0.70533	0.5964	0.48776	0.273	0.28925	5.76019644	0.012307141	2.636E-06	0.0657338	0.4948065	0.121402	0.044561	0.04531136	6.453698
2783	490610.04	3859460.04	0.30699	0.26814	1.01891	0.66504	0.58466	0.46121	0.26	0.26814	5.66715606	0.011408943	2.444E-06	0.061979	0.4850663	0.114794	0.042446	0.04200446	6.340848
2784	490660.04	3859460.04	0.30211	0.24802	0.96826	0.59834	0.57151	0.41926	0.2462	0.24802	5.57706934	0.010552868	2.322E-06	0.0557628	0.4741563	0.104352	0.040185	0.03885264	6.223229
2785	490710.04	3859460.04	0.29686	0.23305	0.90322	0.54033	0.53657	0.39523	0.2303	0.23305	5.48015228	0.009915918	2.166E-06	0.0503565	0.4451682	0.098371	0.037598	0.03650757	6.085057
2786	490760.04	3859460.04	0.29248	0.22184	0.8502	0.4795	0.51594	0.37402	0.2137	0.22184	5.39929576	0.00943895	2.039E-06	0.0446874	0.4280524	0.093092	0.034882	0.03475151	5.974699
2787	490810.04	3859460.04	0.28818	0.20474	0.8275	0.45034	0.5215	0.35209	0.197	0.20474	5.31991607	0.008711371	1.985E-06	0.0419698	0.4326653	0.087634	0.032161	0.03207277	5.890987
2788	490860.04	3859460.04	0.28391	0.19522	0.78189	0.43175	0.51183	0.33357	0.1901	0.19522	5.24109019	0.00830631	1.875E-06	0.0402373	0.4246425	0.083024	0.031027	0.03058145	5.797748
2789	490360.04	3859510.04	0.35977	0.43592	1.43536	1.41366	0.53055	0.85507	0.4237	0.43592	6.64149561	0.018547724	3.442E-06	0.1317473	0.4401736	0.212824	0.069158	0.0682874	7.445663

2790	490410.04	3859510.04	0.34861	0.40164	1.3198	1.20973	0.55594	0.75692	0.3961	0.40164	6.43547762	0.017089163	3.165E-06	0.1127418	0.4612386	0.188395	0.064647	0.0629174	7.216675
2791	490460.04	3859510.04	0.34064	0.36958	1.15078	1.04474	0.57659	0.67649	0.3616	0.36958	6.28834829	0.015725059	2.76E-06	0.0973654	0.478371	0.168376	0.059023	0.05789516	7.049317
2792	490510.04	3859510.04	0.32919	0.34311	1.04348	0.92722	0.57676	0.61459	0.3324	0.34311	6.07697679	0.014598801	2.503E-06	0.0864131	0.478512	0.152969	0.054259	0.0537486	6.809983
2793	490560.04	3859510.04	0.32181	0.32697	1.00705	0.8323	0.59221	0.56432	0.3102	0.32697	5.94073909	0.013912069	2.415E-06	0.0775669	0.4913302	0.140457	0.050637	0.05122025	6.663425
2794	490610.04	3859510.04	0.31547	0.30369	0.98242	0.75069	0.58872	0.51635	0.2862	0.30369	5.82370019	0.012921541	2.356E-06	0.0699612	0.4884347	0.128518	0.04671	0.04757341	6.522674
2795	490660.04	3859510.04	0.30791	0.28184	0.91634	0.69085	0.57764	0.47916	0.2694	0.28184	5.68413962	0.011991857	2.198E-06	0.0643844	0.4792421	0.119261	0.04398	0.04415058	6.358851
2796	490710.04	3859510.04	0.30107	0.26386	0.8575	0.64414	0.54023	0.45503	0.2565	0.26386	5.55787053	0.011226836	2.057E-06	0.0600312	0.4482047	0.113255	0.041863	0.04133399	6.19112
2797	490760.04	3859510.04	0.29512	0.24764	0.81793	0.59447	0.51372	0.42002	0.2445	0.24764	5.4480312	0.0105367	1.962E-06	0.0554021	0.4262105	0.104542	0.039905	0.03879311	6.045836
2798	490810.04	3859510.04	0.29327	0.23392	0.78164	0.53622	0.48993	0.39003	0.2307	0.23392	5.41387947	0.009952935	1.875E-06	0.0499735	0.406473	0.097077	0.037657	0.03664385	5.978371
2799	490860.04	3859510.04	0.29084	0.22039	0.74438	0.48171	0.5169	0.36601	0.2156	0.22039	5.36902071	0.009377255	1.785E-06	0.0448934	0.4288489	0.091099	0.035199	0.03452436	5.943915
2800	490360.04	3859560.04	0.39556	0.53831	1.38719	2.25298	0.47929	1.11349	0.5211	0.53831	7.30219307	0.02290426	3.327E-06	0.2099684	0.3976455	0.277144	0.085057	0.08432692	8.210588
2801	490410.04	3859560.04	0.37896	0.48558	1.328	1.72581	0.50895	0.96116	0.4831	0.48558	6.99575055	0.02066068	3.185E-06	0.1608384	0.4222531	0.239229	0.078859	0.0760667	7.841528
2802	490460.04	3859560.04	0.36175	0.44616	1.24603	1.41216	0.5349	0.85131	0.4384	0.44616	6.67804718	0.01898342	2.988E-06	0.1316075	0.4437826	0.211888	0.071558	0.06989151	7.485978
2803	490510.04	3859560.04	0.34676	0.40343	1.13068	1.20286	0.5568	0.74566	0.3942	0.40343	6.40132589	0.017165324	2.712E-06	0.1121016	0.4619521	0.185592	0.064341	0.0631978	7.179284
2804	490560.04	3859560.04	0.33527	0.37443	1.07945	1.03647	0.56916	0.6677	0.3611	0.37443	6.18921598	0.015931419	2.589E-06	0.0965947	0.4722066	0.166188	0.058934	0.05865492	6.940418
2805	490610.04	3859560.04	0.32412	0.34516	1.03446	0.91894	0.55185	0.60414	0.338	0.34516	5.98338259	0.014686026	2.481E-06	0.0856414	0.4578453	0.150368	0.055168	0.05406973	6.693024
2806	490660.04	3859560.04	0.31721	0.32779	0.98588	0.8252	0.58027	0.54853	0.3175	0.32779	5.85582128	0.013946959	2.364E-06	0.0769052	0.4814241	0.136527	0.051832	0.0513487	6.56511
2807	490710.04	3859560.04	0.31138	0.30261	0.92595	0.74595	0.55092	0.5053	0.2901	0.30261	5.74819719	0.012875589	2.221E-06	0.0695195	0.4570737	0.125767	0.047348	0.04740423	6.413379
2808	490760.04	3859560.04	0.30637	0.27896	0.85533	0.67441	0.5277	0.47268	0.2657	0.27896	5.65571062	0.011869318	2.051E-06	0.0628522	0.4378091	0.117648	0.043367	0.04369942	6.285559
2809	490810.04	3859560.04	0.30281	0.2619	0.78791	0.62495	0.5146	0.4403	0.2531	0.2619	5.58999162	0.011143441	1.89E-06	0.0582428	0.4269406	0.109589	0.041307	0.04102695	6.196189
2810	490860.04	3859560.04	0.29836	0.24413	0.72037	0.57415	0.48985	0.40077	0.2391	0.24413	5.50784287	0.010387355	1.728E-06	0.0535084	0.4064067	0.09975	0.039031	0.03824326	6.078685
2811	490187.25	3859422.08	0.37638	0.4351	2.33887	1.35502	0.51632	0.87263	0.4328	0.4351	6.94812273	0.018512834	5.609E-06	0.1262823	0.4283677	0.217195	0.07065	0.06815894	7.740977
2812	490237.25	3859422.08	0.36171	0.40157	2.08847	1.17393	0.54956	0.75337	0.4005	0.40157	6.67730877	0.017086184	5.009E-06	0.1094054	0.4559454	0.187511	0.065373	0.06290643	7.449729
2813	490287.25	3859422.08	0.34862	0.37335	1.8352	1.04661	0.57807	0.67662	0.3669	0.37335	6.43566222	0.015885467	4.401E-06	0.0975397	0.4795989	0.168408	0.05989	0.05848573	7.198504
2814	490337.25	3859422.08	0.33951	0.34503	1.68026	0.92746	0.60162	0.59953	0.3283	0.34503	6.26748804	0.014680494	4.03E-06	0.0864354	0.4991373	0.149221	0.053591	0.05404937	7.016508
2815	490187.25	3859472.08	0.42076	0.51003	2.19625	2.10253	0.4586	1.17012	0.4937	0.51003	7.76739498	0.02170099	5.267E-06	0.1959471	0.3804799	0.291239	0.080584	0.07989682	8.657455
2816	490237.25	3859472.08	0.39437	0.47006	1.96541	1.66705	0.49403	0.99288	0.4624	0.47006	7.2802252	0.020000328	4.714E-06	0.1553622	0.4098746	0.247124	0.075482	0.07363547	8.114438
2817	490287.25	3859472.08	0.36622	0.43229	1.77342	1.36904	0.5276	0.86574	0.4257	0.43229	6.76056514	0.018393273	4.253E-06	0.1275889	0.4377262	0.21548	0.06949	0.06771875	7.561528
2818	490337.25	3859472.08	0.34754	0.39924	1.60778	1.18262	0.55568	0.76468	0.3955	0.39924	6.415725	0.016987046	3.856E-06	0.1102153	0.4610229	0.190326	0.06455	0.06254143	7.196289
2819	490297.07	3859500.42	0.37471	0.46996	1.57839	1.6385	0.50313	0.97437	0.4584	0.46996	6.91729388	0.019996073	3.786E-06	0.1527014	0.4174245	0.242517	0.074826	0.07361981	7.751143
2820	490327.07	3859500.42	0.36519	0.446	1.49605	1.48616	0.52081	0.89218	0.4433	0.446	6.74155094	0.018976612	3.588E-06	0.138504	0.4320928	0.222061	0.072366	0.06986644	7.555688
2821	490297.07	3859530.42	0.39141	0.52803	1.5023	2.27076	0.46959	1.15631	0.5053	0.52803	7.22558244	0.022466862	3.603E-06	0.2116254	0.3895979	0.287802	0.082471	0.08271654	8.136833
2822	490327.07	3859530.42	0.37802	0.50397	1.46847	1.90727	0.48939	1.03921	0.4834	0.50397	6.97839778	0.021443146	3.522E-06	0.1777497	0.406025	0.258656	0.0789	0.07894751	7.842227
2823	490319.73	3859055.34	0.28911	0.20218	0.5846	0.50688	0.75982	0.36327	0.1849	0.20218	5.33708423	0.008602447	1.402E-06	0.0472391	0.6303887	0.090417	0.030178	0.03167174	6.112239
2824	490319.73	3859105.34	0.29711	0.2089	0.74755	0.51755	0.63482	0.37567	0.1938	0.2089	5.48476738	0.008888373	1.793E-06	0.0482335	0.5266818	0.093503	0.031635	0.03272444	6.160987
2825	490069.73	3859155.34	0.33505	0.28946	0.85467	0.74275	0.71608	0.50518	0.2662	0.28946	6.18515469	0.012316077	2.05E-06	0.0692212	0.5940996	0.125738	0.043451	0.04534426	6.984638
2826	490119.73	3859155.34	0.32565	0.27821	0.73	0.6836	0.7252	0.47733	0.2558	0.27821	6.01162699	0.011837406	1.751E-06	0.0637087	0.6016661	0.118806	0.041749	0.04358194	6.805814
2827	490269.73	3859155.34	0.30956	0.23956	1.05337	0.58212	0.68812	0.41137	0.2241	0.23956	5.71459927	0.010192909	2.526E-06	0.0542512	0.5709024	0.102389	0.036578	0.03752737	6.451387
2828	490319.73	3859155.34	0.3044	0.22152	0.92682	0.53889	0.63698	0.38718	0.2074	0.22152	5.61934364	0.009425334	2.223E-06	0.0502223	0.5284739	0.096368	0.033857	0.03470138	6.302991
2829	490069.73	3859205.34	0.34082	0.31342	1.06768	0.81742	0.67947	0.54947	0.299	0.31342	6.29167116	0.013335538	2.561E-06	0.0761802	0.5637259	0.136761	0.048812	0.04909762	7.081391
2830	490119.73	3859205.34	0.3301	0.30025	1.18311	0.76769	0.69274	0.5326	0.2857	0.30025	6.09377574	0.012775174	2.837E-06	0.0715455	0.5747354	0.132562	0.046626	0.04703453	6.884989
2831	490169.73	3859205.34	0.32163	0.28796	1.22901	0.71848	0.70049	0.50056	0.2678	0.28796	5.93741621	0.012252254	2.948E-06	0.0669594	0.5811653	0.124588	0.043714	0.04510928	6.720989
2832	490219.73	3859205.34	0.31487	0.27063	1.25509	0.65443	0.69373	0.46413	0.2571	0.27063	5.81262396	0.011514889	3.01E-06	0.0609902	0.5755568	0.11552	0.041961	0.04239452	6.575776
2833	490269.73	3859205.34	0.30927	0.24779	1.39075	0.59962	0.6978	0.42754	0.2373	0.24779	5.70924576	0.010543082	3.335E-06	0.0558821	0.5789335	0.106413	0.038729	0.03881661	6.460934
2834	490319.73	3859205.34	0.30394	0.23381	1.42396	0.5613	0.6817	0.40811	0.2189	0.23381	5.61085186	0.009948255	3.415E-06	0.0523108	0.5655761	0.101577	0.035736	0.03662662	6.339377
2835	490069.73	3859255.34	0.3484	0.33885	1.66039	0.918	0.6304	0.59851	0.3242	0.33885	6.43160094	0.014417545	3.982E-06	0.0855538	0.5230147	0.148967	0.05292	0.05308127	7.203397
2836	490119.73	3859255.34	0.33937	0.32197	1.72166	0.84903	0.65373	0.56752	0.3107	0.32197	6.26490359	0.013699327	4.129E-06	0.0791261	0.5423706	0.141254	0.050715	0.05043699	7.041636
2837	490169.73	3859255.34	0.33107	0.30898	1.84255	0.79122	0.67129	0.53648	0.2961	0.30898	6.11168233	0.013146622	4.419E-06	0.0737384	0.5569393	0.133528	0.048335	0.04840209	6.888972
2838	490219.73	3859255.34	0.32339	0.28802	1.84208	0.71348	0.68378	0.49892	0.2772	0.28802	5.96990651	0.012254807	4.418E-06	0.0664934	0.5673017	0.124179	0.045249	0.04511868	6.74027
2839	490269.73	3859255.34	0.31631	0.26923	1.72869	0.66417	0.68857	0.46947	0.2606	0.26923	5.83920692	0.011455321	4.146E-06	0.0618979	0.5712758	0.116849	0.042536	0.04217521	6.60105
2840	490319.73	3859255.34	0.30962	0.25286	1.4662	0.61536	0.68233	0.4337	0.2391	0.25286	5.71570689	0.010758803	3.516E-06	0.057349	0.5660987	0.107946	0.039021	0.03961083	6.457274
2841	490069.73	3859305.34	0.36037	0.37557	2.7176	1.0738	0.57386	0.66314	0.3681	0.37557	6.65257184	0.015979924	6.518E-06	0.1000737	0.476106	0.165053	0.060086	0.0588335	7.411044
2842	490119.73	3859305.34	0.35032	0.35685	2.48573	0.972	0.604	0.62833	0.3347	0.35685	6.46704489	0.015183417	5.962E-06	0.0905864	0.5011118	0.156389	0.054639	0.05590099	7.22906
2843	490169.73	3859305.34	0.34032	0.33583	2.09499	0.88528	0.62999	0.58918	0.3169	0.33583	6.28244096	0.014289049	5.024E-06	0.0825044	0.5226746	0.146645	0.051721	0.05260818	7.047671
2844	490219.73	3859305.34	0.33	0.31743	1.82638	0.80869	0.65106	0.53932	0.3004	0.31743	6.0919297	0.013506157	4.38E-06	0.0753666	0.5401554	0.134235	0.049032	0.0497258	6.854504
2845	490269.73	3859305.34	0.32178	0.29471	1.77779	0.73852	0.64504	0.50662	0.2826	0.29471	5.94018527	0.012539456	4.264E-06	0.068827	0.5351609	0.126096	0.046127	0.04616668	6.682773
2846	490319.73	3859305.34	0.3149	0.27439	1.71267	0.67481	0.67204	0.47151	0.2606	0.27439	5.81317777	0.011674871	4.108E-06	0.0628895	0.5575616	0.117357	0.042544	0.04298353	6.562225

2847	490069.73	3859355.34	0.37471	0.42953	3.17301	1.31848	0.51173	0.78039	0.4279	0.42953	6.91729388	0.018275839	7.61E-06	0.1228769	0.4245595	0.194236	0.069841	0.0672864	7.679804
2848	490119.73	3859355.34	0.36059	0.40172	2.80126	1.15833	0.54656	0.71918	0.4006	0.40172	6.65663313	0.017092566	6.718E-06	0.1079516	0.4534564	0.179001	0.065393	0.06292993	7.416605
2849	490169.73	3859355.34	0.35179	0.37614	2.52474	1.04047	0.57885	0.67348	0.3685	0.37614	6.49418167	0.016004177	6.055E-06	0.0969675	0.480246	0.167627	0.060151	0.05892279	7.256261
2850	490219.73	3859355.34	0.34488	0.35073	2.32754	0.94834	0.60765	0.60434	0.3279	0.35073	6.36662035	0.014923021	5.582E-06	0.0883814	0.5041401	0.150418	0.053519	0.05494228	7.123066
2851	490269.73	3859355.34	0.33578	0.32566	2.07536	0.85611	0.62946	0.54895	0.3105	0.32566	6.19863078	0.013856331	4.977E-06	0.0797859	0.5222349	0.136632	0.050682	0.05101504	6.950812
2852	490319.73	3859355.34	0.32328	0.30455	1.89659	0.77192	0.63406	0.51111	0.2884	0.30455	5.96787586	0.012958133	4.549E-06	0.0719398	0.5260513	0.127214	0.047082	0.04770813	6.705417
2853	490069.73	3859405.34	0.41825	0.5014	3.72356	1.84512	0.57269	1.04397	0.4828	0.5014	7.72105939	0.021333797	8.93E-06	0.1719575	0.4751353	0.259841	0.0788	0.07854492	8.649591
2854	490119.73	3859405.34	0.39008	0.46254	3.0904	1.53471	0.48692	0.90508	0.4518	0.46254	7.20103012	0.019680364	7.412E-06	0.1430286	0.4039758	0.225271	0.073752	0.07245745	7.994288
2855	490169.73	3859405.34	0.37069	0.42564	2.62889	1.30746	0.52333	0.82409	0.425	0.42564	6.8430831	0.018110326	6.305E-06	0.1218499	0.4341835	0.205113	0.069371	0.06667702	7.62504
2856	490219.73	3859405.34	0.35676	0.39525	2.27799	1.13222	0.55635	0.72736	0.3972	0.39525	6.58592982	0.016817278	5.463E-06	0.1055182	0.4615788	0.181037	0.064838	0.06191639	7.353808
2857	490269.73	3859405.34	0.34637	0.36647	2.06664	1.01281	0.5856	0.64527	0.3549	0.36647	6.39412634	0.015592733	4.957E-06	0.0943897	0.4858462	0.160606	0.057933	0.05740797	7.151091
2858	490319.73	3859405.34	0.33966	0.33771	1.8219	0.90149	0.60909	0.57708	0.323	0.33771	6.2702571	0.01436904	4.37E-06	0.0840151	0.5053348	0.143633	0.05272	0.05290268	7.017431
2859	490161.89	3859541.83	0.50467	0.71411	1.63425	2.73004	0.52516	1.48807	0.7148	0.71411	9.31640656	0.030384279	3.919E-06	0.2544284	0.4357018	0.370376	0.116674	0.1118662	10.41211
2860	490171.89	3859541.83	0.49448	0.70058	1.61109	2.92269	0.53306	1.58615	0.6972	0.70058	9.12829515	0.029808598	3.864E-06	0.2723826	0.4422561	0.394787	0.113796	0.10974671	10.27158
2861	490161.89	3859551.83	0.501	0.75605	1.61759	2.42588	0.52287	1.41818	0.7501	0.75605	9.24865692	0.032168761	3.88E-06	0.226082	0.4338019	0.35298	0.122431	0.11843615	10.29769
2862	490171.89	3859551.83	0.49514	0.73813	1.58481	2.56567	0.52137	1.50648	0.7437	0.73813	9.14047901	0.031406293	3.801E-06	0.2391098	0.4325574	0.374958	0.121396	0.11562896	10.22428
2863	489799.72	3859348.21	0.5056	0.71412	4.12355	2.58498	0.62571	1.55253	0.6863	0.71412	9.33357472	0.030384705	9.89E-06	0.2409094	0.5191237	0.386419	0.112022	0.11186777	10.51058
2864	489819.72	3859348.21	0.49164	0.67672	4.73144	3.02133	0.65419	1.98288	0.6455	0.67672	9.07586764	0.028793392	1.135E-05	0.2815755	0.5427522	0.493532	0.105358	0.10600901	10.42188
2865	489799.72	3859368.21	0.51462	0.79553	6.23968	2.18298	0.58383	1.26075	0.7828	0.79553	9.50008747	0.033848575	1.496E-05	0.2034447	0.4843777	0.313796	0.127774	0.12462074	10.53872
2866	489819.72	3859368.21	0.501	0.74843	8.1027	2.45602	0.61635	1.51519	0.7287	0.74843	9.24865692	0.031844542	1.943E-05	0.2288909	0.5113581	0.377126	0.11895	0.11724247	10.3996
2867	489775.41	3859329.72	0.50935	0.69662	4.15809	2.62279	0.62422	1.61273	0.6633	0.69662	9.4028012	0.029640107	9.973E-06	0.2444332	0.5178875	0.401403	0.108266	0.10912637	10.59531
2868	489795.41	3859329.72	0.5003	0.66023	2.94361	3.05779	0.6549	1.87169	0.6249	0.66023	9.23573464	0.028091768	7.06E-06	0.2849734	0.5433413	0.465857	0.102	0.10342583	10.55658
2869	489775.41	3859349.72	0.52285	0.77285	5.03958	2.18298	0.58252	1.28657	0.7527	0.77285	9.6520165	0.032883575	1.209E-05	0.2034447	0.4832908	0.320223	0.122867	0.12106789	10.69367
2870	489795.41	3859349.72	0.50906	0.72841	4.24537	2.47107	0.61564	1.50788	0.7025	0.72841	9.39744768	0.030992722	1.018E-05	0.2302935	0.510769	0.375306	0.114666	0.11410631	10.54538
2871	489595.05	3859219.43	0.51461	0.65812	1.44637	2.34026	0.57737	1.34093	0.6158	0.65812	9.49990286	0.028001991	3.469E-06	0.2181025	0.4790181	0.333753	0.100523	0.1030953	10.55621
2872	489615.05	3859219.43	0.5027	0.62458	1.55995	2.77608	0.6086	1.63699	0.5896	0.62458	9.28003958	0.026574916	3.741E-06	0.2587192	0.5049282	0.407441	0.096245	0.09784122	10.47611
2873	489595.05	3859239.43	0.51452	0.72894	1.4668	1.96329	0.59136	1.08036	0.6815	0.72894	9.49824143	0.031015273	3.518E-06	0.1829705	0.490625	0.268898	0.111244	0.11418934	10.46881
2874	489615.05	3859239.43	0.50476	0.6876	1.80071	2.19083	0.57014	1.26295	0.6374	0.6876	9.31806799	0.029256319	4.319E-06	0.2041763	0.4730197	0.314344	0.104035	0.10771338	10.33519
2875	489372.4	3859092.58	0.48686	0.64376	0.55922	2.10658	0.78969	1.05589	0.6096	0.64376	8.98762696	0.027390995	1.341E-06	0.1963245	0.6551705	0.262807	0.099498	0.10084579	10.12797
2876	489422.4	3859092.58	0.47919	0.5712	0.55236	2.89777	0.7542	1.56055	0.5487	0.5712	8.84603574	0.024303679	1.325E-06	0.2700602	0.6257261	0.388416	0.08956	0.08947918	10.15462
2877	489372.4	3859142.58	0.50495	0.83711	0.63713	1.59402	0.82357	0.76153	0.8202	0.83711	9.32157547	0.035617739	1.528E-06	0.1485561	0.6832793	0.189542	0.133883	0.1311343	10.38132
2878	489422.4	3859142.58	0.48399	0.72103	0.62928	1.84697	0.75672	0.94835	0.6781	0.72103	8.93464563	0.030678714	1.509E-06	0.17213	0.6278168	0.236041	0.110679	0.11295023	9.999042
2879	488870.84	3858666.64	0.58912	0.39874	0.49723	2.59897	1.19317	1.19953	0.4701	0.39874	10.8753868	0.016965772	1.193E-06	0.2422133	0.9899199	0.298559	0.076731	0.06246311	12.43731
2880	488900.84	3858666.64	0.56986	0.3859	0.46912	3.46018	1.17191	1.616	0.4372	0.3859	10.5198396	0.01641945	1.125E-06	0.3224745	0.9722814	0.402217	0.071357	0.0604517	12.24414
2881	488870.84	3858696.64	0.5858	0.42533	0.5242	2.04732	1.17963	0.88942	0.517	0.42533	10.8140982	0.018097135	1.257E-06	0.1908018	0.9786863	0.221374	0.084388	0.06662846	12.24082
2882	488900.84	3858696.64	0.56226	0.40969	0.5164	2.54114	1.16897	1.16506	0.4801	0.40969	10.3795406	0.017431678	1.239E-06	0.2368237	0.9698422	0.289979	0.078368	0.06417844	11.90781
2883	488889.67	3858683.97	0.57496	0.40415	0.51846	2.58706	1.17883	1.19579	0.4755	0.40415	10.6139876	0.017195959	1.243E-06	0.2411033	0.9780226	0.297628	0.077607	0.06331059	12.16224
2884	488919.67	3858683.97	0.55191	0.39075	0.48722	3.45183	1.1553	1.59785	0.4431	0.39075	10.1884755	0.01662581	1.169E-06	0.3216963	0.9585008	0.397699	0.072318	0.06121146	11.89411
2885	488889.67	3858713.97	0.56511	0.43239	0.51094	2.07387	1.16704	0.8882	0.5197	0.43239	10.4321527	0.018397528	1.225E-06	0.1932761	0.968241	0.22107	0.084835	0.06773442	11.85024
2886	488919.67	3858713.97	0.54075	0.41557	0.50706	2.54403	1.15447	1.16088	0.4825	0.41557	9.98245754	0.017681863	1.216E-06	0.2370931	0.9578122	0.288939	0.078755	0.06509955	11.49764
2887	488906.61	3858703.33	0.55474	0.41274	0.51352	2.50819	1.16397	1.1487	0.4828	0.41274	10.2407184	0.01756145	1.232E-06	0.2337529	0.9656939	0.285908	0.0788	0.06465622	11.75778
2888	488936.61	3858703.33	0.53182	0.3987	0.5035	3.37036	1.14208	1.52638	0.4509	0.3987	9.81760623	0.01696407	1.208E-06	0.3141036	0.9475328	0.379911	0.073603	0.06245684	11.48726
2889	488906.61	3858733.33	0.54563	0.44295	0.49311	2.04834	1.15594	0.86403	0.5282	0.44295	10.0725443	0.018846839	1.183E-06	0.1908968	0.9590318	0.215054	0.086222	0.06938866	11.47321
2890	488936.61	3858733.33	0.52438	0.42421	0.49383	2.54548	1.14224	1.1266	0.4898	0.42421	9.6802609	0.018049481	1.184E-06	0.2372282	0.9476655	0.280407	0.079949	0.06645301	11.17711
2891	488637.63	3858467.85	0.62541	0.33933	0.60159	2.13882	1.38903	1.06946	0.457	0.33933	11.5453144	0.014437968	1.443E-06	0.1993292	1.1524162	0.266185	0.0746	0.05315646	13.19913
2892	488662.63	3858467.85	0.6079	0.3309	0.56948	2.6086	1.45558	1.30035	0.4317	0.3309	11.2220729	0.014079285	1.366E-06	0.2431107	1.2076297	0.323653	0.070471	0.05183589	13.02918
2893	488637.63	3858492.85	0.61052	0.35931	0.61542	1.82914	1.3114	0.8813	0.4893	0.35931	11.2704392	0.015288086	1.476E-06	0.1704683	1.08801	0.219353	0.079866	0.05628635	12.78714
2894	488662.63	3858492.85	0.59318	0.3491	0.62468	2.10802	1.37223	1.03822	0.4595	0.3491	10.9503359	0.014853667	1.498E-06	0.1964587	1.138478	0.258409	0.075007	0.05468694	12.57886
2895	488687.63	3858492.85	0.57842	0.33843	0.62173	2.57513	1.43766	1.28179	0.4332	0.33843	10.6778605	0.014399675	1.491E-06	0.2399915	1.1927623	0.319033	0.070702	0.05301547	12.46174
2896	488637.63	3858517.85	0.61139	0.38153	0.53578	1.65802	1.27998	0.80201	0.5277	0.38153	11.2864997	0.016233513	1.285E-06	0.1545206	1.0619423	0.199618	0.086129	0.05976714	12.74518
2897	488662.63	3858517.85	0.59529	0.3696	0.55244	1.88896	1.29219	0.87615	0.4922	0.3696	10.9892874	0.01572591	1.325E-06	0.1760433	1.0720723	0.218071	0.080341	0.05789829	12.49364
2898	488687.63	3858517.85	0.58069	0.35886	0.56682	2.15011	1.35582	1.00784	0.4619	0.35886	10.7197656	0.01526894	1.359E-06	0.2003814	1.1248633	0.250848	0.075399	0.05621586	12.33031
2899	488194.42	3857168.98	0.34131	0.10929	0.32452	0.37251	7.51335	0.28116	0.1802	0.10929	6.30071675	0.004650121	7.783E-07	0.0347164	6.233491	0.06998	0.029414	0.01712041	12.65585
2900	488244.42	3857168.98	0.33364	0.11062	0.29715	0.35754	6.79155	0.27878	0.1765	0.11062	6.15912554	0.00470671	7.127E-07	0.0333212	5.6346458	0.069387	0.028815	0.01732876	11.91267
2901	488294.42	3857168.98	0.3278	0.11105	0.2898	0.34761	6.22585	0.27579	0.1718	0.11105	6.05131684	0.004725006	6.95E-07	0.0323958	5.1653098	0.068643	0.028044	0.01739612	11.33304
2902	488244.42	3857218.98	0.34209	0.11291	0.28039	0.37769	7.30804	0.2926	0.1821	0.11291	6.31511586	0.004804146	6.725E-07	0.0351991	6.0631545	0.072827	0.029721	0.01768749	12.50313
2903	488294.42	3857218.98	0.33438	0.11354	0.25986	0.3586	6.39423	0.27558	0.1774	0.11354	6.17278623	0.004830952	6.232E-07	0.03342	5.3050071	0.068591	0.028952	0.01778618	11.5958

2904	488294.42	3857268.98	0.34111	0.11607	0.26789	0.37076	6.75598	0.28233	0.1835	0.11607	6.29702467	0.004938599	6.425E-07	0.0345533	5.605135	0.070271	0.029948	0.01818251	12.02369
2905	488139.13	3857111.68	0.33924	0.10708	0.32737	0.36942	7.4538	0.26248	0.1776	0.10708	6.26250374	0.004556089	7.851E-07	0.0344284	6.1840851	0.06533	0.028996	0.01677421	12.56313
2906	488189.13	3857111.68	0.3325	0.10734	0.32264	0.35547	6.6382	0.26397	0.175	0.10734	6.13808069	0.004567151	7.738E-07	0.0331283	5.5074182	0.065701	0.028572	0.01681494	11.76065
2907	488189.13	3857161.68	0.3407	0.10892	0.32553	0.37187	7.47879	0.27894	0.1798	0.10892	6.28945591	0.004634378	7.807E-07	0.0346567	6.2048182	0.069427	0.029355	0.01706245	12.61529
2908	487951.04	3856961.26	0.35534	0.10453	0.25221	0.3802	8.42904	0.26389	0.1799	0.10453	6.55971606	0.00444759	6.049E-07	0.0354331	6.9931981	0.065681	0.029366	0.01637475	13.67147
2909	488001.04	3856961.26	0.34863	0.10377	0.25282	0.36368	7.5496	0.26137	0.1749	0.10377	6.43584683	0.004415253	6.063E-07	0.0338935	6.263566	0.065054	0.028552	0.0162557	12.81507
2910	488051.04	3856961.26	0.34299	0.10234	0.24839	0.35185	6.9282	0.25526	0.1697	0.10234	6.33173021	0.004354409	5.957E-07	0.032791	5.7480182	0.063533	0.027705	0.01603169	12.1921
2911	488101.04	3856961.26	0.32785	0.10236	0.23399	0.3352	5.95634	0.24736	0.1663	0.10236	6.05223986	0.00435526	5.612E-07	0.0312393	4.9417094	0.061567	0.027145	0.01603482	11.10222
2912	487951.04	3857011.26	0.36077	0.10734	0.26342	0.39739	9.39813	0.27896	0.1861	0.10734	6.659956	0.004567151	6.318E-07	0.0370351	7.7972089	0.069432	0.030374	0.01681494	14.58176
2913	488001.04	3857011.26	0.35473	0.10625	0.25881	0.38225	8.10116	0.27842	0.1797	0.10625	6.54845522	0.004520774	6.207E-07	0.0356241	6.7211708	0.069298	0.029339	0.01664419	13.39176
2914	488051.04	3857011.26	0.34874	0.10491	0.25689	0.36654	7.26713	0.26529	0.1741	0.10491	6.43787747	0.004463759	6.161E-07	0.03416	6.0292133	0.06603	0.028415	0.01643428	12.58373
2915	488101.04	3857011.26	0.33476	0.10503	0.24717	0.34832	6.65238	0.25588	0.17	0.10503	6.17980118	0.004468865	5.928E-07	0.032462	5.5191827	0.063688	0.027751	0.01645308	11.8109
2916	488001.04	3857061.26	0.36021	0.10789	0.23965	0.39778	9.35898	0.28552	0.1849	0.10789	6.64961818	0.004590553	5.748E-07	0.0370715	7.7647278	0.071065	0.030178	0.0169011	14.54035
2917	488051.04	3857061.26	0.35329	0.10707	0.23754	0.38274	8.28428	0.274	0.1791	0.10707	6.52187226	0.004555663	5.697E-07	0.0356698	6.8730972	0.068198	0.029238	0.01677265	13.51586
2918	488101.04	3857061.26	0.34183	0.10639	0.25351	0.36315	7.07163	0.26175	0.175	0.10639	6.31031615	0.00452673	6.08E-07	0.0338441	5.8670157	0.065149	0.02857	0.01666612	12.29276
2919	487638.98	3856673.79	0.37344	0.09241	0.2753	0.36531	3.80249	0.25242	0.1835	0.09241	6.89384918	0.003931903	6.603E-07	0.0340454	3.1547562	0.062826	0.029956	0.01447614	10.16489
2920	487688.98	3856673.79	0.36446	0.09175	0.27564	0.34626	3.90369	0.23829	0.1788	0.09175	6.72807485	0.003903821	6.611E-07	0.03227	3.2387173	0.05931	0.029182	0.01437275	10.07709
2921	487638.98	3856723.79	0.37788	0.09554	0.27976	0.37868	4.34107	0.26756	0.1888	0.09554	6.97581332	0.00406508	6.71E-07	0.0352914	3.601592	0.066595	0.030824	0.01496646	10.69921
2922	487688.98	3856723.79	0.36889	0.09478	0.27133	0.36963	4.33556	0.25379	0.1832	0.09478	6.80985439	0.004032743	6.507E-07	0.034448	3.5970206	0.063167	0.0299	0.0148474	10.52358
2923	486324.61	3855740.57	0.45796	0.0827	0.37723	0.38498	0.32024	0.24891	0.1985	0.0827	8.4541216	0.003518757	9.047E-07	0.0358785	0.2656888	0.061953	0.032399	0.01295506	8.840606
2924	486374.61	3855740.57	0.45903	0.0819	0.35385	0.35432	0.33269	0.23287	0.1953	0.0819	8.47387422	0.003484719	8.487E-07	0.0330212	0.276018	0.057961	0.031885	0.01282973	8.863415
2925	486424.61	3855740.57	0.45375	0.08223	0.32273	0.34337	0.39534	0.22884	0.1838	0.08223	8.37640334	0.00349876	7.74E-07	0.0320007	0.3279959	0.056957	0.030001	0.01288143	8.813977
2926	486324.61	3855790.57	0.46639	0.0819	0.37802	0.41989	0.28864	0.25966	0.2173	0.0819	8.60974271	0.003484719	9.066E-07	0.039132	0.2394717	0.064628	0.035468	0.01282973	8.979099
2927	486374.61	3855790.57	0.46596	0.08094	0.35101	0.37384	0.3397	0.2428	0.1951	0.08094	8.60180474	0.003443872	8.418E-07	0.0348403	0.2818339	0.060432	0.031841	0.01267935	9.001517
2928	486424.61	3855790.57	0.45788	0.0818	0.33573	0.36819	0.36109	0.23483	0.189	0.0818	8.45264477	0.003480464	8.052E-07	0.0343138	0.2995803	0.058448	0.030844	0.01281407	8.866498
2929	486324.61	3855840.57	0.47564	0.08112	0.38189	0.45432	0.31578	0.2666	0.2387	0.08112	8.78050135	0.003451531	9.159E-07	0.0423407	0.2619886	0.066356	0.038968	0.01270755	9.180899
2930	486374.61	3855840.57	0.46746	0.08142	0.3761	0.43945	0.30977	0.25862	0.2267	0.08142	8.62949533	0.003464295	9.02E-07	0.0409549	0.2570023	0.06437	0.037007	0.01275454	9.01954
2931	486424.61	3855840.57	0.46224	0.08147	0.36251	0.3981	0.36251	0.24971	0.207	0.08147	8.53313208	0.003466423	8.694E-07	0.0371013	0.3007584	0.062152	0.033787	0.01276237	8.957635
2932	486324.61	3855890.57	0.47917	0.08159	0.41602	0.5229	0.46001	0.287	0.253	0.08159	8.84566653	0.003471529	9.978E-07	0.0487321	0.3816498	0.071433	0.041289	0.01278117	9.379462
2933	486374.61	3855890.57	0.47144	0.08158	0.40192	0.48587	0.36937	0.27426	0.243	0.08158	8.7029677	0.003471103	9.639E-07	0.0452811	0.3064498	0.068262	0.039668	0.01277961	9.153321
2934	486424.61	3855890.57	0.46659	0.08135	0.38574	0.45494	0.333	0.26417	0.2287	0.08135	8.61343479	0.003461317	9.251E-07	0.0423985	0.2762752	0.065751	0.037327	0.01274358	9.025905
2935	488735.69	3858285.64	0.58494	0.24108	0.57696	1.05116	1.52197	0.80049	0.2815	0.24108	10.7982223	0.010257582	1.384E-06	0.0979638	1.2627106	0.199239	0.045941	0.03776548	12.37657
2936	488765.69	3858285.64	0.55905	0.23728	0.56565	0.97673	1.49086	0.76505	0.2716	0.23728	10.3202827	0.010095898	1.357E-06	0.0910272	1.2369	0.190418	0.044325	0.0371702	11.85588
2937	488735.69	3858315.64	0.57609	0.24794	0.65108	1.16007	1.47122	0.85667	0.2942	0.24794	10.6348478	0.010549465	1.562E-06	0.1081137	1.2206055	0.213222	0.04802	0.0388401	12.19652
2938	488765.69	3858315.64	0.55795	0.24338	0.62335	1.06524	1.47214	0.79472	0.2831	0.24338	10.2999763	0.010355444	1.495E-06	0.099276	1.2213688	0.197803	0.046208	0.03812577	11.83686
2939	478676.63	3849871.93	0.07235	0.28589	0.01798	0.0231	0.04272	0.02563	0.2878	0.28589	1.33560944	0.012164179	4.312E-08	0.0021528	0.0354429	0.006379	0.046976	0.04478502	1.393939
2940	479326.63	3849871.93	0.06305	0.17314	0.02074	0.02175	0.04303	0.02501	0.1742	0.17314	1.16392778	0.00736684	4.974E-08	0.002027	0.0357001	0.006225	0.028439	0.02712259	1.216563
2941	479376.63	3849871.93	0.06026	0.16883	0.02047	0.0216	0.04359	0.0241	0.1699	0.16883	1.11242328	0.007183456	4.909E-08	0.002013	0.0361647	0.005998	0.027731	0.02644743	1.165066
2942	479426.63	3849871.93	0.05744	0.16697	0.02023	0.02143	0.04416	0.02408	0.168	0.16697	1.06036498	0.007104316	4.852E-08	0.0019972	0.0366376	0.005993	0.027429	0.02615605	1.11337
2943	478726.63	3849921.93	0.07332	0.29376	0.01816	0.02362	0.04295	0.02571	0.2955	0.29376	1.35351602	0.012499035	4.355E-08	0.0022013	0.0356337	0.006399	0.048236	0.04601786	1.412467
2944	478776.63	3849921.93	0.07182	0.2847	0.01883	0.02237	0.04296	0.02551	0.2866	0.2847	1.32582543	0.012113546	4.516E-08	0.0020848	0.035642	0.006349	0.046778	0.0445986	1.384195
2945	478826.63	3849921.93	0.07207	0.27533	0.01947	0.02202	0.04274	0.02531	0.2768	0.27533	1.33044053	0.011714867	4.67E-08	0.0020522	0.0354595	0.0063	0.045188	0.04313078	1.388024
2946	478976.63	3849921.93	0.07704	0.24828	0.02208	0.02225	0.0404	0.02477	0.25	0.24828	1.42218868	0.010563931	5.296E-08	0.0020736	0.0335181	0.006165	0.040801	0.03889336	1.476417
2947	479026.63	3849921.93	0.07448	0.24293	0.02174	0.02228	0.03914	0.02465	0.2446	0.24293	1.37493007	0.010336297	5.214E-08	0.0020764	0.0324727	0.006135	0.039918	0.03805528	1.427813
2948	479076.63	3849921.93	0.07245	0.23506	0.02201	0.02229	0.03979	0.02453	0.2367	0.23506	1.33745548	0.01000144	5.279E-08	0.0020773	0.033012	0.006105	0.038631	0.03682244	1.390461
2949	479126.63	3849921.93	0.07082	0.22642	0.02235	0.02228	0.04039	0.02444	0.2281	0.22642	1.30736504	0.009633822	5.36E-08	0.0020764	0.0335098	0.006083	0.037232	0.03546897	1.360432
2950	479176.63	3849921.93	0.06889	0.21963	0.02249	0.02224	0.04097	0.02437	0.2215	0.21963	1.27173648	0.009344918	5.394E-08	0.0020727	0.033991	0.006066	0.036157	0.03440531	1.324962
2951	479226.63	3849921.93	0.06816	0.20531	0.02157	0.02219	0.04152	0.02431	0.2065	0.20531	1.25826039	0.008735624	5.173E-08	0.002068	0.0344473	0.006051	0.033703	0.03216206	1.311103
2952	479276.63	3849921.93	0.06936	0.18609	0.02135	0.02183	0.04208	0.02424	0.1872	0.18609	1.28041286	0.007917842	5.12E-08	0.0020345	0.0349119	0.006033	0.030556	0.02915123	1.332716
2953	479326.63	3849921.93	0.06581	0.19154	0.02108	0.02141	0.0427	0.02482	0.1927	0.19154	1.21487847	0.008149732	5.056E-08	0.0019953	0.0354263	0.006178	0.031456	0.03000497	1.268078
2954	479376.63	3849921.93	0.06336	0.17811	0.02083	0.02189	0.04321	0.02537	0.1792	0.17811	1.1696505	0.007578306	4.996E-08	0.0020401	0.0358494	0.006315	0.029252	0.02790115	1.222784
2955	479426.63	3849921.93	0.06022	0.18021	0.02054	0.02172	0.0438	0.02583	0.1813	0.18021	1.11168487	0.007667658	4.926E-08	0.0020242	0.0363389	0.006429	0.0296	0.02823012	1.165514
2956	478726.63	3849971.93	0.07604	0.31309	0.01765	0.02579	0.04283	0.02597	0.3141	0.31309	1.40372829	0.013321497	4.233E-08	0.0024035	0.0355341	0.006464	0.051273	0.04904593	1.463679
2957	478776.63	3849971.93	0.07442	0.30107	0.01834	0.02417	0.04319	0.02578	0.3021	0.30107	1.37382245	0.012810064	4.399E-08	0.0022525	0.0358328	0.006417	0.049315	0.04716298	1.433286
2958	478826.63	3849971.93	0.07548	0.29036	0.01901	0.02266	0.04331	0.02557	0.292	0.29036	1.39339047	0.01235437	4.559E-08	0.0021118	0.0359324	0.006364	0.047664	0.04548525	1.452333
2959	478976.63	3849971.93	0.08183	0.26573	0.02252	0.02231	0.04177	0.025	0.2675	0.26573	1.51061396	0.011306402	5.401E-08	0.0020792	0.0346547	0.006222	0.043659	0.04162693	1.566909
2960	479026.63	3849971.93	0.08024	0.25739	0.02218	0.02237	0.0408	0.02484	0.2592	0.25739	1.48126194	0.010951548	5.32E-08	0.0020848	0.0338499	0.006183	0.042306	0.04032046	1.536316

2961	479076.63	3849971.93	0.07689	0.24947	0.02182	0.02241	0.03956	0.0247	0.2513	0.24947	1.41941962	0.010614564	5.233E-08	0.0020885	0.0328212	0.006148	0.041016	0.03907978	1.473028
2962	479126.63	3849971.93	0.07385	0.24239	0.02218	0.02242	0.03993	0.02459	0.2439	0.24239	1.36330003	0.010313321	5.32E-08	0.0020895	0.0331281	0.00612	0.039813	0.03797069	1.416794
2963	479176.63	3849971.93	0.07368	0.23545	0.02252	0.02241	0.04055	0.02451	0.2372	0.23545	1.36016176	0.010018034	5.401E-08	0.0020885	0.0336425	0.0061	0.038711	0.03688353	1.413839
2964	479226.63	3849971.93	0.07595	0.20765	0.02202	0.0224	0.04107	0.0244	0.209	0.20765	1.40206685	0.008835187	5.281E-08	0.0020876	0.0340739	0.006073	0.034115	0.03252863	1.454723
2965	479276.63	3849971.93	0.07188	0.21279	0.02167	0.02233	0.04168	0.02438	0.2139	0.21279	1.32693305	0.009053886	5.197E-08	0.0020811	0.03458	0.006068	0.034913	0.03333381	1.380295
2966	479326.63	3849971.93	0.06813	0.21449	0.02142	0.02223	0.04233	0.02443	0.2166	0.21449	1.25770658	0.009126219	5.137E-08	0.0020717	0.0351193	0.006081	0.035349	0.03360012	1.311853
2967	479376.63	3849971.93	0.06762	0.19283	0.02118	0.02157	0.04286	0.02515	0.194	0.19283	1.24829178	0.008204619	5.08E-08	0.0020102	0.035559	0.00626	0.031668	0.03020705	1.301786
2968	479426.63	3849971.93	0.0638	0.19034	0.0209	0.02201	0.04342	0.0258	0.1915	0.19034	1.17777308	0.008098673	5.013E-08	0.0020512	0.0360236	0.006422	0.031262	0.02981699	1.231813
2969	478726.63	3850021.93	0.08146	0.34445	0.0171	0.02782	0.04036	0.02624	0.3463	0.34445	1.50378362	0.014655816	4.101E-08	0.0025927	0.0334849	0.006531	0.05652	0.05395851	1.563609
2970	478776.63	3850021.93	0.07927	0.3275	0.01782	0.02635	0.043	0.02605	0.3284	0.3275	1.46335536	0.01393462	4.274E-08	0.0024557	0.0356752	0.006484	0.053604	0.05130327	1.524206
2971	478826.63	3850021.93	0.07905	0.31364	0.01853	0.02474	0.04343	0.02585	0.3145	0.31364	1.45929407	0.013344898	4.444E-08	0.0023057	0.0360319	0.006434	0.05134	0.04913209	1.519619
2972	478976.63	3850021.93	0.08763	0.27883	0.02293	0.02234	0.04293	0.02524	0.2797	0.27883	1.61768424	0.011863786	5.499E-08	0.002082	0.0356171	0.006282	0.045662	0.04367906	1.675512
2973	478726.63	3850071.93	0.08911	0.37918	0.01769	0.02816	0.03818	0.0265	0.3812	0.37918	1.64500562	0.016133524	4.243E-08	0.0026244	0.0316762	0.006596	0.062215	0.05939901	1.704851
2974	478776.63	3850071.93	0.08566	0.36227	0.01728	0.02804	0.04024	0.02633	0.3643	0.36227	1.58131727	0.01541403	4.144E-08	0.0026132	0.0333853	0.006553	0.059456	0.05675004	1.641989
2975	478826.63	3850071.93	0.0837	0.34658	0.01801	0.0269	0.0431	0.02613	0.3486	0.34658	1.5451349	0.014746444	4.319E-08	0.002507	0.0357581	0.006504	0.056906	0.05429218	1.607264
2976	478876.63	3850071.93	0.08478	0.32958	0.01872	0.02529	0.04359	0.02592	0.3313	0.32958	1.56507212	0.014023121	4.49E-08	0.0023569	0.0361647	0.006451	0.054076	0.05162911	1.626515
2977	478976.63	3850071.93	0.09311	0.30103	0.02155	0.02257	0.04364	0.0255	0.3019	0.30103	1.7188472	0.012808362	5.168E-08	0.0021034	0.0362062	0.006347	0.049285	0.04715672	1.778441
2978	478726.63	3850121.93	0.11338	0.42166	0.01842	0.02844	0.03814	0.02673	0.422	0.42166	2.09303936	0.017940983	4.418E-08	0.0026505	0.0316431	0.006653	0.068876	0.06605355	2.154749
2979	478776.63	3850121.93	0.09863	0.39717	0.0178	0.02838	0.03833	0.02659	0.3976	0.39717	1.82074857	0.016898971	4.269E-08	0.0026449	0.0318007	0.006618	0.064906	0.06221716	1.8814
2980	478826.63	3850121.93	0.09056	0.37768	0.01746	0.02827	0.04019	0.02642	0.3794	0.37768	1.67177319	0.016069701	4.188E-08	0.0026346	0.0333438	0.006576	0.061924	0.05916403	1.733157
2981	478876.63	3850121.93	0.08933	0.36065	0.0182	0.02745	0.0432	0.02621	0.3625	0.36065	1.64906691	0.015345101	4.365E-08	0.0025582	0.0358411	0.006524	0.059165	0.05649626	1.712004
2982	478976.63	3850121.93	0.09822	0.32682	0.01961	0.02411	0.04391	0.02578	0.3275	0.32682	1.8131798	0.013905687	4.703E-08	0.002247	0.0364302	0.006417	0.053454	0.05119675	1.874437
2983	479026.63	3850121.93	0.09991	0.31331	0.02233	0.02289	0.04388	0.02557	0.314	0.31331	1.84437787	0.013330857	5.355E-08	0.0021333	0.0364053	0.006364	0.051251	0.04908039	1.904782
2984	479076.63	3850121.93	0.0968	0.29884	0.02314	0.02257	0.04365	0.02536	0.3	0.29884	1.78696605	0.012715181	5.55E-08	0.0021034	0.0362145	0.006312	0.048965	0.04681365	1.846463
2985	479126.63	3850121.93	0.0917	0.28901	0.02282	0.02266	0.04311	0.02518	0.2898	0.28901	1.69281804	0.01229693	5.473E-08	0.0021118	0.0357664	0.006267	0.047304	0.04527377	1.75129
2986	478776.63	3850171.93	0.12115	0.44802	0.01854	0.02865	0.03828	0.02684	0.4478	0.44802	2.23647662	0.01906256	4.447E-08	0.0026701	0.0317592	0.00668	0.073091	0.07018288	2.299557
2987	478826.63	3850171.93	0.11165	0.42125	0.0179	0.0286	0.03849	0.02669	0.4212	0.42125	2.06110288	0.017923538	4.293E-08	0.0026654	0.0319334	0.006643	0.068755	0.06598933	2.123034
2988	478876.63	3850171.93	0.09668	0.39796	0.01765	0.0285	0.04004	0.0265	0.3981	0.39796	1.7847508	0.016932584	4.233E-08	0.0026561	0.0332194	0.006596	0.064978	0.06234092	1.846792
2989	478976.63	3850171.93	0.10245	0.36009	0.01912	0.02636	0.04373	0.02607	0.3617	0.36009	1.89126727	0.015321274	4.586E-08	0.0024566	0.0362808	0.006489	0.059043	0.05640854	1.954449
2990	479026.63	3850171.93	0.10614	0.34054	0.02022	0.02464	0.04397	0.02585	0.3411	0.34054	1.95938612	0.014489452	4.849E-08	0.0022963	0.0364799	0.006434	0.055676	0.05334601	2.021416
2991	479076.63	3850171.93	0.10242	0.32648	0.02313	0.0232	0.04411	0.02563	0.3271	0.32648	1.89071346	0.01389122	5.547E-08	0.0021621	0.0365961	0.006379	0.05339	0.05114349	1.951989
2992	479126.63	3850171.93	0.0986	0.31315	0.02325	0.02269	0.04391	0.02543	0.3137	0.31315	1.82019475	0.01332405	5.576E-08	0.0021146	0.0364302	0.006329	0.051205	0.04905533	1.880543
2993	479176.63	3850171.93	0.09351	0.30076	0.02292	0.02278	0.04337	0.02525	0.3014	0.30076	1.72623135	0.012796874	5.497E-08	0.002123	0.0359822	0.006285	0.049195	0.04711442	1.785499
2994	479226.63	3850171.93	0.08779	0.28628	0.02256	0.02284	0.04234	0.0251	0.2877	0.28628	1.62063791	0.012180772	5.411E-08	0.0021286	0.0351276	0.006247	0.046967	0.04484611	1.678444
2995	479276.63	3850171.93	0.08245	0.27801	0.02261	0.02287	0.04103	0.02498	0.2777	0.27801	1.52205941	0.011828897	5.423E-08	0.0021314	0.0340408	0.006217	0.04533	0.04355061	1.578058
2996	479326.63	3850171.93	0.07906	0.26975	0.02297	0.0229	0.04063	0.02487	0.2704	0.26975	1.45947867	0.011477446	5.509E-08	0.0021342	0.0337089	0.00619	0.044144	0.04225667	1.514876
2997	479376.63	3850171.93	0.07693	0.26307	0.02327	0.02291	0.04125	0.02479	0.2612	0.26307	1.42015804	0.011193223	5.581E-08	0.0021351	0.0342233	0.00617	0.042642	0.04121024	1.475311
2998	478676.63	3850221.93	0.1327	0.64145	0.0205	0.02863	0.03436	0.02485	0.6382	0.64145	2.44969416	0.027292708	4.917E-08	0.0026682	0.028507	0.006185	0.104164	0.10048392	2.518028
2999	478726.63	3850221.93	0.12673	0.57311	0.01991	0.02876	0.03656	0.02712	0.571	0.57311	2.33948561	0.024384947	4.775E-08	0.0026803	0.0303322	0.00675	0.093208	0.08977838	2.407063
3000	478976.63	3850221.93	0.10605	0.39556	0.0186	0.02853	0.04304	0.02638	0.3961	0.39556	1.95772468	0.016830468	4.461E-08	0.0026589	0.0357084	0.006566	0.064652	0.06196496	2.022175
3001	479026.63	3850221.93	0.1111	0.37616	0.01933	0.02696	0.04361	0.02615	0.3776	0.37616	2.05094967	0.016005028	4.636E-08	0.0025126	0.0361813	0.006509	0.061642	0.05892592	2.114873
3002	479076.63	3850221.93	0.10731	0.35676	0.02096	0.02526	0.04406	0.02592	0.3572	0.35676	1.98098478	0.015179588	5.027E-08	0.0023541	0.0365546	0.006451	0.058309	0.05588689	2.043946
3003	479126.63	3850221.93	0.10336	0.34084	0.02367	0.02352	0.04421	0.0257	0.3414	0.34084	1.90806623	0.014502216	5.677E-08	0.002192	0.0366791	0.006397	0.055718	0.053393	1.970161
3004	479176.63	3850221.93	0.09926	0.32528	0.02336	0.02279	0.0439	0.02549	0.3258	0.32528	1.83237861	0.013840162	5.603E-08	0.0021239	0.0364219	0.006344	0.05318	0.05095551	1.893333
3005	479226.63	3850221.93	0.09518	0.31111	0.02303	0.02288	0.0433	0.02532	0.3118	0.31111	1.75706021	0.013237251	5.523E-08	0.0021323	0.0359241	0.006302	0.050896	0.04873576	1.816817
3006	479276.63	3850221.93	0.08926	0.29821	0.02267	0.02294	0.04242	0.02516	0.2989	0.29821	1.64777468	0.012688376	5.437E-08	0.0021379	0.035194	0.006262	0.048796	0.04671496	1.706138
3007	479326.63	3850221.93	0.0844	0.29174	0.02279	0.023	0.04166	0.02503	0.2895	0.29174	1.55805717	0.012413087	5.466E-08	0.0021435	0.0345634	0.00623	0.047248	0.04570143	1.614954
3008	479376.63	3850221.93	0.08157	0.27896	0.02316	0.02303	0.04078	0.02493	0.2788	0.27896	1.50581426	0.011869318	5.555E-08	0.0021463	0.0338333	0.006205	0.045511	0.04369942	1.56168
3009	478676.63	3850271.93	0.15777	0.86728	0.02121	0.02898	0.03246	0.02342	0.8566	0.86728	2.91249621	0.036901426	5.087E-08	0.0027008	0.0269306	0.005829	0.139822	0.13586047	2.988819
3010	478726.63	3850271.93	0.14298	0.7301	0.02065	0.02881	0.03414	0.02646	0.7242	0.7301	2.639467	0.031064629	4.953E-08	0.002685	0.0283244	0.006586	0.11821	0.11437105	2.711966
3011	478976.63	3850271.93	0.11978	0.44859	0.01804	0.02895	0.04072	0.02669	0.448	0.44859	2.21118588	0.019086813	4.327E-08	0.0026698	0.0337836	0.006643	0.073133	0.07027217	2.276258
3012	479026.63	3850271.93	0.11661	0.41841	0.01881	0.02882	0.04289	0.02646	0.4181	0.41841	2.15266643	0.0178027	4.511E-08	0.0026859	0.0355839	0.006586	0.068251	0.06554444	2.218031
3013	479076.63	3850271.93	0.11273	0.39483	0.01954	0.02758	0.04357	0.02623	0.3956	0.39483	2.08104011	0.016799408	4.686E-08	0.0025703	0.0361481	0.006529	0.064572	0.0618506	2.145808
3014	479126.63	3850271.93	0.11199	0.37429	0.02176	0.02588	0.044	0.02599	0.3745	0.37429	2.06737942	0.015925462	5.219E-08	0.0024119	0.0365048	0.006469	0.061123	0.05863298	2.13118
3015	479176.63	3850271.93	0.10685	0.3553	0.02379	0.02409	0.04409	0.02577	0.3556	0.3553	1.972493	0.015117467	5.706E-08	0.0022451	0.0365795	0.006414	0.058046	0.05565818	2.035237
3016	479226.63	3850271.93	0.10137	0.33788	0.02348	0.0231	0.04384	0.02556	0.3384	0.33788	1.87133004	0.014376273	5.631E-08	0.0021528	0.0363721	0.006362	0.055228	0.05292931	1.932892
3017	479276.63	3850271.93	0.09632	0.32354	0.02313	0.02299	0.04345	0.02538	0.3241	0.32354	1.77810506	0.013766128	5.547E-08	0.0021426	0.0360485	0.006317	0.052904	0.05068293	1.8386

3018	479326.63	3850271.93	0.09209	0.31198	0.02276	0.02308	0.04298	0.02522	0.3126	0.31198	1.7000176	0.013274268	5.459E-08	0.002151	0.0356586	0.006277	0.051022	0.04887205	1.759529
3019	479376.63	3850271.93	0.08837	0.30164	0.02299	0.02315	0.04232	0.02509	0.3015	0.30164	1.63134493	0.012834317	5.514E-08	0.0021575	0.035111	0.006245	0.049207	0.04725227	1.689647
3020	479053.24	3850293.52	0.11727	0.42644	0.01898	0.02891	0.04287	0.02648	0.426	0.42644	2.16485029	0.018144364	4.552E-08	0.0026943	0.0355673	0.006591	0.069537	0.06680235	2.230582
3021	479103.24	3850293.52	0.11882	0.4014	0.01971	0.02768	0.04352	0.02624	0.4016	0.4014	2.1934639	0.017078951	4.727E-08	0.0025797	0.0361066	0.006531	0.065558	0.0628798	2.258438
3022	479153.24	3850293.52	0.11681	0.38079	0.02242	0.02598	0.044	0.026	0.3809	0.38079	2.15635851	0.016202027	5.377E-08	0.0024212	0.0365048	0.006471	0.062167	0.05965122	2.220474
3023	479203.24	3850293.52	0.11023	0.3602	0.02381	0.02417	0.04403	0.02578	0.3605	0.3602	2.03488913	0.015325954	5.71E-08	0.0022525	0.0365297	0.006417	0.058841	0.05642577	2.097829
3024	479253.24	3850293.52	0.10426	0.34309	0.02349	0.02316	0.04387	0.02557	0.3435	0.34309	1.92468058	0.01459795	5.634E-08	0.0021584	0.036397	0.006364	0.056069	0.05374547	1.986522
3025	479303.24	3850293.52	0.0985	0.32965	0.02314	0.02306	0.04364	0.02538	0.3301	0.32965	1.81834871	0.014026099	5.55E-08	0.0021491	0.0362062	0.006317	0.053887	0.05164007	1.879294
3026	479353.24	3850293.52	0.09365	0.3175	0.02276	0.02315	0.04323	0.02523	0.3179	0.3175	1.72881581	0.013509135	5.459E-08	0.0021575	0.035866	0.00628	0.051892	0.04973676	1.788783
3027	479153.24	3850343.52	0.13281	0.42657	0.02024	0.02831	0.04027	0.02632	0.4262	0.42657	2.4517248	0.018149896	4.854E-08	0.0026384	0.0334102	0.006551	0.069563	0.06682271	2.515215
3028	479203.24	3850343.52	0.1247	0.40067	0.02328	0.02661	0.0407	0.02607	0.4018	0.40067	2.30201101	0.017047891	5.583E-08	0.0024799	0.033767	0.006489	0.065579	0.06276544	2.364608
3029	479253.24	3850343.52	0.11727	0.38098	0.02393	0.0248	0.04093	0.02584	0.381	0.38098	2.16485029	0.016210111	5.739E-08	0.0023113	0.0339578	0.006431	0.062197	0.05968098	2.226277
3030	479303.24	3850343.52	0.11003	0.36409	0.0236	0.02348	0.04431	0.02563	0.3642	0.36409	2.03119705	0.015491468	5.66E-08	0.0021882	0.036762	0.006379	0.059445	0.05703514	2.094428
3031	479353.24	3850343.52	0.10293	0.34836	0.02324	0.0232	0.04421	0.02544	0.3485	0.34836	1.90012826	0.014822181	5.574E-08	0.0021621	0.0366791	0.006332	0.056885	0.05457102	1.962438
3032	479203.24	3850393.52	0.15296	0.45853	0.02102	0.02895	0.04053	0.02639	0.4577	0.45853	2.82370172	0.019509744	5.041E-08	0.002698	0.0336259	0.006568	0.074711	0.07182928	2.888986
3033	479253.24	3850393.52	0.1397	0.43116	0.0241	0.02726	0.04103	0.02614	0.4307	0.43116	2.57891691	0.018345193	5.78E-08	0.0025405	0.0340408	0.006506	0.070294	0.06754174	2.643102
3034	479303.24	3850393.52	0.12831	0.40539	0.02404	0.02544	0.04132	0.0259	0.4066	0.40539	2.36865303	0.017248719	5.766E-08	0.0023709	0.0342814	0.006446	0.066366	0.06350484	2.431861
3035	479353.24	3850393.52	0.11898	0.388	0.02371	0.0238	0.04138	0.02568	0.3877	0.388	2.19641756	0.016508802	5.686E-08	0.0022181	0.0343311	0.006392	0.063285	0.06078067	2.258372
3036	479403.24	3850393.52	0.11122	0.36915	0.02334	0.02333	0.04469	0.02549	0.3689	0.36915	2.05316491	0.015706763	5.598E-08	0.0021743	0.0370773	0.006344	0.060217	0.0578278	2.116857
3037	479453.24	3850393.52	0.10408	0.35148	0.02307	0.02344	0.04447	0.02534	0.351	0.35148	1.92135771	0.014954932	5.533E-08	0.0021845	0.0368948	0.006307	0.0573	0.05505977	1.983939
3038	479503.24	3850393.52	0.09949	0.33266	0.02348	0.02352	0.04399	0.02521	0.3326	0.33266	1.8366245	0.01415417	5.631E-08	0.002192	0.0364965	0.006275	0.054291	0.05211159	1.897922
3039	479303.24	3850443.52	0.16316	0.47019	0.02441	0.02794	0.04135	0.0262	0.469	0.47019	3.01199773	0.020005859	5.854E-08	0.0026039	0.0343062	0.006521	0.076554	0.07365584	3.078333
3040	479353.24	3850443.52	0.14673	0.4426	0.02416	0.02611	0.0417	0.02596	0.4415	0.4426	2.70869347	0.018831947	5.794E-08	0.0024333	0.0345966	0.006461	0.072057	0.06933383	2.77374
3041	479403.24	3850443.52	0.13836	0.41228	0.02381	0.02418	0.0454	0.02573	0.4131	0.41228	2.55417998	0.017541878	5.71E-08	0.0022535	0.0376664	0.006404	0.067428	0.06458416	2.62089
3042	479453.24	3850443.52	0.12383	0.39235	0.02344	0.02349	0.04555	0.02554	0.392	0.39235	2.28595047	0.016693887	5.622E-08	0.0021892	0.0377908	0.006357	0.063987	0.06146211	2.351506
3043	479503.24	3850443.52	0.11513	0.3704	0.0233	0.0236	0.04541	0.02539	0.3698	0.3704	2.12534505	0.015759949	5.588E-08	0.0021994	0.0376746	0.006319	0.060364	0.05802361	2.189639
3044	480327.18	3850987.04	0.13835	0.50808	0.02782	0.02785	0.04617	0.03131	0.5067	0.50808	2.55399538	0.02161802	6.672E-08	0.0025955	0.0383052	0.007793	0.082705	0.07959135	2.62742
3045	480377.18	3850987.04	0.13267	0.47253	0.02878	0.0272	0.04693	0.03376	0.4765	0.47253	2.44914035	0.020105423	6.902E-08	0.0025349	0.0389357	0.008403	0.077785	0.0740224	2.522882
3046	480427.18	3850987.04	0.12732	0.44456	0.02767	0.02652	0.04768	0.04153	0.4485	0.44456	2.35037724	0.018915342	6.636E-08	0.0024716	0.039558	0.010337	0.0732	0.06964087	2.425218
3047	480477.18	3850987.04	0.12096	0.42641	0.02625	0.0274	0.04829	0.04473	0.4185	0.42641	2.23296914	0.018143088	6.296E-08	0.0025536	0.0400641	0.011133	0.068303	0.06679765	2.306368
3048	480327.18	3851037.04	0.15458	0.65632	0.02745	0.02736	0.04562	0.03138	0.6595	0.65632	2.85360756	0.027925404	6.583E-08	0.0025498	0.0378489	0.00781	0.107643	0.10281333	2.934572
3049	480377.18	3851037.04	0.14064	0.58188	0.02838	0.02814	0.04636	0.03158	0.5845	0.58188	2.59626968	0.024758097	6.806E-08	0.0026225	0.0384628	0.00786	0.095409	0.09115221	2.67423
3050	480427.18	3851037.04	0.12944	0.51094	0.02935	0.02748	0.04713	0.03716	0.5155	0.51094	2.38951328	0.021739709	7.039E-08	0.002561	0.0391017	0.009249	0.084151	0.08003937	2.466276
3051	480477.18	3851037.04	0.12391	0.47424	0.02829	0.02679	0.04791	0.04609	0.4788	0.47424	2.2874273	0.020178181	6.785E-08	0.0024967	0.0397488	0.011472	0.078146	0.07429027	2.365178
3052	480622.06	3851087.39	0.11979	0.46969	0.02621	0.02864	0.0494	0.04396	0.4735	0.46969	2.21137048	0.019984585	6.286E-08	0.0026691	0.040985	0.010941	0.077292	0.07357751	2.289665
3053	480672.06	3851087.39	0.11406	0.43587	0.026	0.02963	0.05012	0.04223	0.4398	0.43587	2.10559243	0.018545596	6.236E-08	0.0027614	0.0415823	0.010511	0.07178	0.06827957	2.182493
3054	480622.06	3851137.39	0.12805	0.52637	0.02724	0.02917	0.04895	0.04614	0.5245	0.52637	2.36385333	0.022396232	6.533E-08	0.0027185	0.0406116	0.011484	0.08562	0.0824565	2.444227
3055	480672.06	3851137.39	0.12172	0.51094	0.02633	0.02879	0.04964	0.04435	0.5157	0.51094	2.24699904	0.021739709	6.315E-08	0.0026831	0.0411841	0.011039	0.084174	0.08003937	2.327779
3056	480722.06	3851137.39	0.11604	0.47197	0.02613	0.02978	0.0504	0.04259	0.4768	0.47197	2.14214401	0.020081596	6.267E-08	0.0027754	0.0418146	0.010601	0.077823	0.07393468	2.221304
3057	480622.06	3851187.39	0.14556	0.67867	0.0308	0.02774	0.04836	0.04841	0.6875	0.67867	2.68709481	0.028876362	7.387E-08	0.0025853	0.0401221	0.012049	0.11222	0.10631448	2.776633
3058	480672.06	3851187.39	0.13347	0.58663	0.02801	0.02979	0.04911	0.04655	0.5744	0.58663	2.46390866	0.024960202	6.718E-08	0.0027763	0.0407444	0.011586	0.093763	0.0918963	2.545843
3059	480722.06	3851187.39	0.12507	0.56271	0.02646	0.02894	0.04979	0.04473	0.5686	0.56271	2.30884136	0.023942443	6.346E-08	0.0026971	0.0413085	0.011133	0.092815	0.08814921	2.392589
3060	471363.09	3845877.25	0.02122	0.04766	0.00898	0.01115	0.01551	0.01281	0.0477	0.04766	0.39172954	0.002027859	2.154E-08	0.0010391	0.012868	0.003188	0.007779	0.007466	0.411166
3061	471863.09	3845877.25	0.02313	0.03506	0.00983	0.01072	0.01542	0.01436	0.0354	0.03506	0.42698889	0.001491749	2.358E-08	0.0009991	0.0127933	0.003574	0.00578	0.00549219	0.446135
3062	472363.09	3845877.25	0.02533	0.04518	0.01113	0.01106	0.01565	0.01516	0.0392	0.04518	0.46760176	0.001922339	2.669E-08	0.0010307	0.0129841	0.003773	0.006395	0.0070775	0.48663
3063	472863.09	3845877.25	0.02372	0.03478	0.01252	0.01189	0.01755	0.01481	0.032	0.03478	0.43788052	0.001479835	3.003E-08	0.0011081	0.0145605	0.003686	0.005218	0.00544833	0.458485
3064	473363.09	3845877.25	0.02144	0.03657	0.01385	0.01792	0.02265	0.01395	0.037	0.03657	0.39579083	0.001555997	3.322E-08	0.0016701	0.0187917	0.003472	0.006038	0.00572874	0.42159
3065	473863.09	3845877.25	0.02311	0.03937	0.01495	0.01532	0.02606	0.01437	0.0399	0.03937	0.42661968	0.001675133	3.586E-08	0.0014278	0.0216208	0.003577	0.006519	0.00616736	0.455272
3066	474363.09	3845877.25	0.02757	0.04118	0.01091	0.01543	0.02643	0.01371	0.0446	0.04118	0.50895304	0.001752145	2.617E-08	0.001438	0.0219278	0.003412	0.007273	0.0064509	0.538306
3067	474863.09	3845877.25	0.02879	0.04819	0.00958	0.01394	0.02548	0.01395	0.0486	0.04819	0.53147472	0.00205041	2.298E-08	0.0012992	0.0211396	0.003472	0.007928	0.00754902	0.559815
3068	475363.09	3845877.25	0.02372	0.04984	0.01104	0.01462	0.02315	0.01371	0.0504	0.04984	0.43788052	0.002120615	2.648E-08	0.0013625	0.0192065	0.003412	0.008222	0.0078075	0.464397
3069	475863.09	3845877.25	0.02483	0.05268	0.01266	0.01336	0.02487	0.01342	0.0472	0.05268	0.45837156	0.002241453	3.036E-08	0.0012451	0.0206335	0.00334	0.007698	0.00825239	0.485277
3070	476363.09	3845877.25	0.02516	0.04629	0.01253	0.01398	0.01157	0.01577	0.0473	0.04629	0.46446349	0.001969568	3.005E-08	0.0013029	0.0095991	0.003925	0.007719	0.00725138	0.481728
3071	476863.09	3845877.25	0.02398	0.04032	0.01378	0.01377	0.02329	0.01413	0.0416	0.04032	0.44268023	0.001715554	3.305E-08	0.0012833	0.0193227	0.003517	0.006797	0.00631618	0.468999
3072	477363.09	3845877.25	0.02629	0.03746	0.01353	0.01506	0.0241	0.01304	0.038	0.03746	0.48532373	0.001593865	3.245E-08	0.0014035	0.0199947	0.003246	0.006196	0.00586815	0.511889
3073	477863.09	3845877.25	0.02443	0.0342	0.0122	0.01517	0.02382	0.01358	0.0342	0.0342	0.4509874	0.001455157	2.926E-08	0.0014138	0.0197624	0.00338	0.005582	0.00535747	0.477224
3074	478363.09	3845877.25	0.02041	0.03374	0.01121	0.0139	0.02555	0.0131	0.0334	0.03374	0.37677662	0.001435585	2.689E-08	0.0012954	0.0211977	0.003261	0.005452	0.00528541	0.404132

3075	478863.09	3845877.25	0.02108	0.03255	0.01016	0.01498	0.02231	0.01183	0.0337	0.03255	0.38914509	0.001384952	2.437E-08	0.0013961	0.0185096	0.002944	0.005496	0.005099	0.413777
3076	479363.09	3845877.25	0.0306	0.03071	0.01046	0.01501	0.02162	0.01297	0.031	0.03071	0.56488803	0.001306663	2.509E-08	0.0013989	0.0179371	0.003228	0.005065	0.00481076	0.589013
3077	479863.09	3845877.25	0.03547	0.02933	0.01289	0.01345	0.01841	0.01489	0.0297	0.02933	0.65479014	0.001247946	3.091E-08	0.0012535	0.015274	0.003706	0.004845	0.00459458	0.676522
3078	480363.09	3845877.25	0.03372	0.02473	0.01438	0.01297	0.01875	0.01369	0.0248	0.02473	0.62248445	0.001052223	3.449E-08	0.0012088	0.015556	0.003407	0.004053	0.00387398	0.643888
3079	480863.09	3845877.25	0.02898	0.02193	0.01264	0.01442	0.02083	0.01476	0.0221	0.02193	0.53498219	0.000933088	3.032E-08	0.0013439	0.0172817	0.003674	0.003614	0.00343536	0.558393
3080	481363.09	3845877.25	0.03037	0.01931	0.01362	0.01425	0.02994	0.01348	0.0195	0.01931	0.56064214	0.000821611	3.267E-08	0.001328	0.0248399	0.003355	0.003189	0.00302494	0.591151
3081	481863.09	3845877.25	0.02328	0.01774	0.01394	0.0126	0.02974	0.01112	0.018	0.01774	0.42975795	0.00075481	3.343E-08	0.0011743	0.024674	0.002768	0.002938	0.00277899	0.459288
3082	482363.09	3845877.25	0.01702	0.01618	0.01092	0.01188	0.02137	0.01254	0.0173	0.01618	0.31419589	0.000688434	2.619E-08	0.0011072	0.0177297	0.003121	0.002822	0.00253462	0.33713
3083	482863.09	3845877.25	0.01711	0.014	0.00996	0.00981	0.02289	0.01277	0.0148	0.014	0.31585732	0.000595678	2.389E-08	0.0009143	0.0189908	0.003178	0.002421	0.00219312	0.339764
3084	483363.09	3845877.25	0.01653	0.01325	0.0103	0.00904	0.02325	0.01346	0.0142	0.01325	0.3051503	0.000563767	2.47E-08	0.0008425	0.0192895	0.00335	0.00231	0.00207563	0.32943
3085	483863.09	3845877.25	0.02411	0.01323	0.01046	0.01294	0.03269	0.0135	0.0134	0.01323	0.44508008	0.000562916	2.509E-08	0.001206	0.0271214	0.00336	0.002186	0.0020725	0.477444
3086	484363.09	3845877.25	0.01996	0.01295	0.0141	0.01126	0.0325	0.01345	0.0131	0.01295	0.36846945	0.000551003	3.382E-08	0.0010494	0.0269638	0.003348	0.002132	0.00202863	0.400484
3087	484863.09	3845877.25	0.01585	0.01269	0.01313	0.01288	0.03122	0.01156	0.0128	0.01269	0.29259723	0.00053994	3.149E-08	0.0012004	0.0259018	0.002877	0.002084	0.0019879	0.323213
3088	485363.09	3845877.25	0.01527	0.01245	0.01165	0.01183	0.02343	0.00886	0.0125	0.01245	0.2818902	0.000529728	2.794E-08	0.0011025	0.0194388	0.002205	0.002045	0.00195031	0.305261
3089	485863.09	3845877.25	0.01512	0.01236	0.01036	0.01197	0.01443	0.00931	0.0124	0.01236	0.27912114	0.000525899	2.485E-08	0.0011156	0.0119719	0.002317	0.002031	0.00193621	0.295146
3090	486363.09	3845877.25	0.01819	0.01224	0.01195	0.01125	0.02063	0.00935	0.0123	0.01224	0.33579455	0.000520793	2.866E-08	0.0010485	0.0171158	0.002327	0.002013	0.00191741	0.356902
3091	486863.09	3845877.25	0.01505	0.01205	0.00838	0.00871	0.01849	0.00912	0.0122	0.01205	0.27782892	0.000512709	2.01E-08	0.0008117	0.0153403	0.00227	0.001983	0.00188765	0.296859
3092	487363.09	3845877.25	0.01678	0.0119	0.01081	0.00975	0.01875	0.00912	0.012	0.0119	0.3097654	0.000506327	2.593E-08	0.0009087	0.015556	0.00227	0.001957	0.00186415	0.329099
3093	487863.09	3845877.25	0.01479	0.01176	0.01033	0.01004	0.01726	0.00859	0.0119	0.01176	0.27302921	0.00050037	2.477E-08	0.0009357	0.0143199	0.002138	0.001934	0.00184222	0.291015
3094	488363.09	3845877.25	0.0138	0.01137	0.00742	0.0089	0.01661	0.00806	0.0115	0.01137	0.25475342	0.000483776	1.78E-08	0.0008294	0.0137806	0.002006	0.001882	0.00178112	0.271954
3095	488863.09	3845877.25	0.01669	0.01143	0.00899	0.00861	0.02547	0.00961	0.0116	0.01143	0.30810396	0.000486329	2.156E-08	0.0008024	0.0211313	0.002392	0.001889	0.00179052	0.333014
3096	489363.09	3845877.25	0.01555	0.01131	0.00947	0.00859	0.02168	0.00902	0.0114	0.01131	0.28705911	0.000481223	2.271E-08	0.0008006	0.0179869	0.002245	0.001866	0.00177173	0.308667
3097	489863.09	3845877.25	0.0136	0.01111	0.01115	0.00903	0.01409	0.00851	0.0112	0.01111	0.25106135	0.000472713	2.674E-08	0.0008416	0.0116898	0.002118	0.001831	0.0017404	0.266275
3098	490363.09	3845877.25	0.01235	0.0108	0.0104	0.00895	0.02139	0.00829	0.011	0.0108	0.22798585	0.000459523	2.494E-08	0.0008341	0.0177463	0.002063	0.001799	0.00169183	0.249196
3099	490863.09	3845877.25	0.01084	0.01026	0.0097	0.0078	0.01197	0.00824	0.0104	0.01026	0.20011066	0.000436547	2.326E-08	0.0007269	0.009931	0.002051	0.001689	0.00160724	0.213338
3100	491363.09	3845877.25	0.01135	0.01047	0.00854	0.0089	0.01876	0.00841	0.0106	0.01047	0.20952546	0.000445482	2.048E-08	0.0008294	0.0155643	0.002093	0.001725	0.00164014	0.228543
3101	491863.09	3845877.25	0.0119	0.01063	0.00979	0.00965	0.02289	0.00772	0.0107	0.01063	0.21967868	0.00045229	2.348E-08	0.0008993	0.0189908	0.001921	0.001751	0.0016652	0.242029
3102	492363.09	3845877.25	0.01197	0.01051	0.00979	0.00838	0.01635	0.00751	0.0106	0.01051	0.2209709	0.000447184	2.348E-08	0.000781	0.0135649	0.001869	0.001722	0.0016464	0.237709
3103	492863.09	3845877.25	0.0128	0.0102	0.00967	0.00784	0.01812	0.0076	0.0103	0.0102	0.23629303	0.000433994	2.319E-08	0.0007307	0.0150334	0.001892	0.001685	0.00159784	0.254469
3104	493363.09	3845877.25	0.01353	0.00994	0.00898	0.00745	0.01759	0.00869	0.0101	0.00994	0.24976912	0.000422932	2.154E-08	0.0006943	0.0145936	0.002163	0.001649	0.00155711	0.267734
3105	493863.09	3845877.25	0.01395	0.00981	0.00865	0.00761	0.01836	0.00832	0.01	0.00981	0.25752248	0.0004174	2.075E-08	0.0007092	0.0152325	0.002071	0.001629	0.00153675	0.276045
3106	494363.09	3845877.25	0.015	0.00974	0.00846	0.0094	0.01759	0.00763	0.0099	0.00974	0.2769059	0.000414422	2.029E-08	0.000876	0.0145936	0.001899	0.001616	0.00152578	0.294779
3107	494863.09	3845877.25	0.01496	0.0097	0.00817	0.00814	0.01488	0.00776	0.0098	0.0097	0.27616748	0.00041272	1.959E-08	0.0007586	0.0123453	0.001931	0.001605	0.00151952	0.291701
3108	495363.09	3845877.25	0.01418	0.00966	0.00798	0.00977	0.01656	0.00781	0.0098	0.00966	0.26176837	0.000411018	1.914E-08	0.0009105	0.0137391	0.001944	0.001595	0.00151325	0.278854
3109	495863.09	3845877.25	0.01441	0.00963	0.00786	0.00893	0.01708	0.00817	0.0097	0.00963	0.26601426	0.000409742	1.885E-08	0.0008322	0.0141705	0.002033	0.001585	0.00150855	0.283537
3110	496363.09	3845877.25	0.0138	0.00982	0.00782	0.00771	0.0251	0.00918	0.0098	0.00982	0.25475342	0.000417826	1.876E-08	0.0007185	0.0208243	0.002285	0.001605	0.00153831	0.279065
3111	496863.09	3845877.25	0.01409	0.00987	0.00784	0.00851	0.03766	0.00818	0.01	0.00987	0.26010694	0.000419953	1.88E-08	0.0007931	0.0312448	0.002036	0.001624	0.00154615	0.294679
3112	497363.09	3845877.25	0.01347	0.00991	0.00892	0.0075	0.0385	0.00879	0.01	0.00991	0.24866149	0.000421655	2.139E-08	0.000699	0.0319417	0.002188	0.001632	0.00155241	0.283992
3113	497863.09	3845877.25	0.01386	0.01002	0.00949	0.00792	0.02779	0.00983	0.0101	0.01002	0.25586105	0.000426336	2.276E-08	0.0007381	0.0230561	0.002447	0.00165	0.00156965	0.282609
3114	498363.09	3845877.25	0.01415	0.01	0.00866	0.00849	0.03107	0.00964	0.0101	0.01	0.26121456	0.000425485	2.077E-08	0.0007912	0.0257774	0.002399	0.00165	0.00156651	0.290692
3115	471363.09	3846377.25	0.02897	0.7102	0.00966	0.01083	0.01622	0.01608	0.7162	0.7102	0.53479759	0.030217915	2.317E-08	0.0010093	0.013457	0.004002	0.116901	0.11125369	0.589131
3116	471863.09	3846377.25	0.02474	0.26373	0.00962	0.01194	0.01535	0.01712	0.2657	0.26373	0.45671012	0.011221305	2.307E-08	0.0011128	0.0127352	0.004261	0.043365	0.04131363	0.488092
3117	472363.09	3846377.25	0.02364	0.06199	0.01011	0.01168	0.01641	0.01473	0.0618	0.06199	0.43640369	0.002637579	2.425E-08	0.0010885	0.0136146	0.003666	0.010094	0.00971081	0.457794
3118	472863.09	3846377.25	0.02619	0.05355	0.01114	0.01142	0.01505	0.01552	0.0546	0.05355	0.48347769	0.00227847	2.672E-08	0.0010643	0.0124863	0.003863	0.008911	0.00838867	0.503692
3119	473363.09	3846377.25	0.02496	0.05305	0.01335	0.01159	0.0176	0.01601	0.0528	0.05305	0.46077141	0.002257196	3.202E-08	0.0010801	0.0146019	0.003985	0.008623	0.00831035	0.483009
3120	473863.09	3846377.25	0.02433	0.06055	0.0145	0.01689	0.02161	0.01428	0.0612	0.06055	0.44914136	0.002576309	3.478E-08	0.0015741	0.0179289	0.003554	0.009985	0.00948523	0.475274
3121	474363.09	3846377.25	0.02375	0.05818	0.01538	0.01591	0.02777	0.01529	0.0593	0.05818	0.43843433	0.002475469	3.689E-08	0.0014827	0.0230395	0.003806	0.009678	0.00911397	0.469802
3122	474863.09	3846377.25	0.03458	0.06302	0.01345	0.01594	0.02732	0.0142	0.0648	0.06302	0.63836039	0.002681404	3.226E-08	0.0014855	0.0226662	0.003534	0.010571	0.00987216	0.669426
3123	475363.09	3846377.25	0.03155	0.06141	0.01006	0.01479	0.0292	0.01444	0.0619	0.06141	0.5824254	0.002612901	2.413E-08	0.0013784	0.0242259	0.003594	0.010107	0.00961995	0.614724
3124	475863.09	3846377.25	0.02461	0.06182	0.01287	0.01529	0.02372	0.01416	0.0601	0.06182	0.45431027	0.002630346	3.087E-08	0.001425	0.0196794	0.003524	0.009812	0.00968418	0.481697
3125	476363.09	3846377.25	0.02513	0.05526	0.01311	0.01473	0.02564	0.01401	0.0554	0.05526	0.46390968	0.002351228	3.144E-08	0.0013728	0.0212724	0.003487	0.009044	0.00865655	0.492781
3126	476863.09	3846377.25	0.0266	0.05069	0.01278	0.01434	0.01349	0.01618	0.0521	0.05069	0.49104645	0.002156781	3.065E-08	0.0013364	0.0111921	0.004027	0.008504	0.00794065	0.510322
3127	477363.09	3846377.25	0.02835	0.04702	0.01456	0.01413	0.02402	0.01442	0.0486	0.04702	0.52335214	0.002000628	3.492E-08	0.0013169	0.0199283	0.003589	0.007935	0.00736574	0.550756
3128	477863.09	3846377.25	0.02719	0.04273	0.01386	0.01578	0.02585	0.01362	0.0432	0.04273	0.50193809	0.001818096	3.324E-08	0.0014706	0.0214466	0.00339	0.007045	0.00669371	0.530415
3129	478363.09	3846377.25	0.03154	0.03912	0.01259	0.01527	0.02496	0.01418	0.0395	0.03912	0.5822408	0.001664496	3.02E-08	0.0014231	0.0207082	0.003529	0.006448	0.0061282	0.609885
3130	478863.09	3846377.25	0.01993	0.04001	0.01106	0.01454	0.02571	0.01335	0.0391	0.04001	0.36791563	0.001702364	2.653E-08	0.0013551	0.0213304	0.003323	0.006374	0.00626762	0.395733
3131	479363.09	3846377.25	0.03136	0.03667	0.01205	0.0157	0.02354	0.01256	0.0384	0.03667	0.57891793	0.001560252	2.89E-08	0.0014632	0.0195301	0.003126	0.006275	0.0057444	0.605128

3132	479863.09	3846377.25	0.0373	0.03183	0.01121	0.01541	0.02185	0.01529	0.0331	0.03183	0.68857266	0.001354317	2.689E-08	0.0014361	0.018128	0.003806	0.005401	0.00498621	0.713712
3133	480363.09	3846377.25	0.03711	0.03209	0.01525	0.01327	0.01886	0.01831	0.0325	0.03209	0.68506519	0.00136538	3.657E-08	0.0012367	0.0156473	0.004557	0.005308	0.00502694	0.708153
3134	480863.09	3846377.25	0.03534	0.02551	0.01387	0.0162	0.02122	0.01385	0.0257	0.02551	0.65239029	0.001085411	3.326E-08	0.0015098	0.0176053	0.003447	0.0042	0.00399617	0.676242
3135	481363.09	3846377.25	0.03476	0.02392	0.01526	0.01465	0.02767	0.01463	0.0244	0.02392	0.64168326	0.001017759	3.66E-08	0.0013653	0.0229566	0.003641	0.003984	0.0037471	0.670902
3136	481863.09	3846377.25	0.0271	0.02044	0.01382	0.01393	0.03199	0.01344	0.0215	0.02044	0.50027665	0.00086969	3.315E-08	0.0012982	0.0265407	0.003345	0.003516	0.00320195	0.532644
3137	482363.09	3846377.25	0.0199	0.01807	0.01333	0.01281	0.02678	0.01226	0.0186	0.01807	0.36736182	0.000768851	3.197E-08	0.0011938	0.0222182	0.003051	0.003034	0.00283069	0.394798
3138	482863.09	3846377.25	0.01761	0.01587	0.01016	0.01139	0.02377	0.0131	0.0158	0.01587	0.32508752	0.000675244	2.437E-08	0.0010615	0.0197209	0.003261	0.002581	0.00248605	0.3499
3139	483363.09	3846377.25	0.01903	0.01506	0.01093	0.01183	0.02301	0.0153	0.0157	0.01506	0.35130128	0.00064078	2.621E-08	0.0011025	0.0190904	0.003808	0.002561	0.00235917	0.376145
3140	483863.09	3846377.25	0.02487	0.01471	0.01096	0.01381	0.03198	0.0144	0.015	0.01471	0.45910998	0.000625888	2.629E-08	0.001287	0.0265324	0.003584	0.002448	0.00230434	0.491284
3141	484363.09	3846377.25	0.02356	0.01371	0.01488	0.0121	0.02578	0.01381	0.0138	0.01371	0.43492686	0.000583339	3.569E-08	0.0011277	0.0213885	0.003437	0.002256	0.00214769	0.461572
3142	484863.09	3846377.25	0.01732	0.01463	0.01404	0.01184	0.04455	0.01257	0.0151	0.01463	0.31973401	0.000622484	3.367E-08	0.0011034	0.0369611	0.003129	0.002471	0.00229181	0.361729
3143	485363.09	3846377.25	0.02054	0.0147	0.01435	0.01243	0.03251	0.01032	0.0148	0.0147	0.37917647	0.000625462	3.442E-08	0.0011584	0.0269721	0.002569	0.002421	0.00230277	0.410619
3144	485863.09	3846377.25	0.01641	0.01345	0.01216	0.01211	0.01513	0.00969	0.0136	0.01345	0.30293505	0.000572277	2.916E-08	0.0011286	0.0125527	0.002412	0.002212	0.00210696	0.319705
3145	486363.09	3846377.25	0.01706	0.01239	0.01288	0.01221	0.02048	0.00941	0.0125	0.01239	0.31493431	0.000527175	3.089E-08	0.0011379	0.0169913	0.002342	0.002035	0.00194091	0.336027
3146	486863.09	3846377.25	0.01584	0.01217	0.01066	0.00897	0.01892	0.00925	0.0123	0.01217	0.29241263	0.000517815	2.557E-08	0.000836	0.0156971	0.002302	0.002003	0.00190645	0.311862
3147	487363.09	3846377.25	0.01747	0.01201	0.012	0.01005	0.01938	0.00936	0.0121	0.01201	0.32250307	0.000511007	2.878E-08	0.0009366	0.0160787	0.00233	0.001977	0.00188138	0.342454
3148	487863.09	3846377.25	0.01872	0.01259	0.01292	0.01238	0.02417	0.00962	0.0128	0.01259	0.34557856	0.000535685	3.099E-08	0.0011538	0.0200528	0.002394	0.002086	0.00197224	0.369829
3149	488363.09	3846377.25	0.01787	0.01194	0.00896	0.0099	0.01706	0.00951	0.0121	0.01194	0.32988722	0.000508029	2.149E-08	0.0009226	0.0141539	0.002367	0.001977	0.00187042	0.347945
3150	488863.09	3846377.25	0.01709	0.01174	0.00971	0.00878	0.02971	0.01019	0.0118	0.01174	0.31548812	0.000499519	2.329E-08	0.0008183	0.0246491	0.002536	0.001929	0.00183909	0.344082
3151	489363.09	3846377.25	0.0163	0.01173	0.01008	0.00887	0.02047	0.00896	0.0117	0.01173	0.30090441	0.000499093	2.418E-08	0.0008266	0.016983	0.00223	0.001916	0.00183752	0.321522
3152	489863.09	3846377.25	0.01575	0.01159	0.0115	0.00941	0.01592	0.00869	0.0117	0.01159	0.29075119	0.000493137	2.758E-08	0.000877	0.0132081	0.002163	0.001902	0.00181559	0.307578
3153	490363.09	3846377.25	0.01272	0.01133	0.00977	0.00919	0.01213	0.00864	0.0115	0.01133	0.2348162	0.000482074	2.343E-08	0.0008565	0.0100637	0.00215	0.00188	0.00177486	0.248474
3154	490863.09	3846377.25	0.01265	0.011	0.00867	0.00792	0.01365	0.00857	0.0111	0.011	0.23352397	0.000468033	2.079E-08	0.0007381	0.0113248	0.002133	0.001817	0.00172316	0.248282
3155	491363.09	3846377.25	0.0121	0.01086	0.00984	0.00937	0.02052	0.00848	0.0109	0.01086	0.22337076	0.000462076	2.36E-08	0.0008732	0.0170245	0.002111	0.001779	0.00170123	0.243919
3156	491863.09	3846377.25	0.01318	0.01048	0.0097	0.01015	0.02439	0.00805	0.0105	0.01048	0.24330798	0.000445908	2.326E-08	0.0009459	0.0202353	0.002004	0.001719	0.0016417	0.267016
3157	492363.09	3846377.25	0.01266	0.01017	0.00987	0.00871	0.01826	0.00771	0.0103	0.01017	0.23370858	0.000432718	2.367E-08	0.0008117	0.0151495	0.001919	0.001681	0.00159314	0.25211
3158	492863.09	3846377.25	0.01348	0.01	0.00935	0.00766	0.01932	0.00867	0.0102	0.01	0.2488461	0.000425485	2.242E-08	0.0007139	0.0160289	0.002158	0.00166	0.00156651	0.268266
3159	493363.09	3846377.25	0.01431	0.00991	0.00834	0.00782	0.0172	0.00905	0.0101	0.00991	0.26416822	0.000421655	2E-08	0.0007288	0.0142701	0.002253	0.001647	0.00155241	0.281936
3160	493863.09	3846377.25	0.01501	0.00985	0.00834	0.00859	0.01864	0.00789	0.01	0.00985	0.2770905	0.000419102	2E-08	0.0008006	0.0154648	0.001964	0.001627	0.00154301	0.295823
3161	494363.09	3846377.25	0.01526	0.0098	0.00831	0.00882	0.01629	0.00794	0.0099	0.0098	0.2817056	0.000416975	1.993E-08	0.000822	0.0135151	0.001976	0.001611	0.00153518	0.298512
3162	494863.09	3846377.25	0.01449	0.00974	0.00915	0.00811	0.01471	0.00891	0.0098	0.00974	0.2674911	0.000414422	2.194E-08	0.0007558	0.0122042	0.002218	0.001601	0.00152578	0.283159
3163	495363.09	3846377.25	0.01452	0.00968	0.00791	0.00832	0.01957	0.00811	0.0098	0.00968	0.26804491	0.000411869	1.897E-08	0.0007754	0.0162364	0.002019	0.001591	0.00151638	0.287562
3164	495863.09	3846377.25	0.01434	0.00983	0.00783	0.00859	0.02238	0.00921	0.0099	0.00983	0.26472204	0.000418251	1.878E-08	0.0008006	0.0185677	0.002292	0.001616	0.00153988	0.286877
3165	496363.09	3846377.25	0.01407	0.01013	0.00844	0.00823	0.03791	0.00866	0.0102	0.01013	0.25973773	0.000431016	2.024E-08	0.000767	0.0314522	0.002155	0.001668	0.00158688	0.294625
3166	496863.09	3846377.25	0.01368	0.01035	0.00999	0.00831	0.03832	0.0103	0.0104	0.01035	0.25253818	0.000440377	2.396E-08	0.0007745	0.0317924	0.002564	0.001704	0.00162134	0.288192
3167	497363.09	3846377.25	0.01445	0.01053	0.00948	0.00843	0.03118	0.01016	0.0106	0.01053	0.26675268	0.000448035	2.274E-08	0.0007856	0.0258687	0.002529	0.001735	0.00164954	0.296469
3168	497863.09	3846377.25	0.0149	0.01061	0.00964	0.01036	0.03167	0.01038	0.0107	0.01061	0.27505986	0.000451439	2.312E-08	0.0009655	0.0262752	0.002584	0.00175	0.00166207	0.305423
3169	498363.09	3846377.25	0.01492	0.01054	0.00927	0.01166	0.03558	0.01025	0.0106	0.01054	0.27542906	0.000448461	2.223E-08	0.0010867	0.0295191	0.002551	0.001732	0.0016511	0.309115
3170	471363.09	3846877.25	0.0248	0.16938	0.00923	0.02085	0.02525	0.01485	0.1702	0.16938	0.45781775	0.007206858	2.214E-08	0.0019431	0.0209488	0.003696	0.027775	0.02653358	0.492854
3171	471863.09	3846877.25	0.0291	0.29737	0.01052	0.01451	0.02007	0.01608	0.3003	0.29737	0.53719744	0.012652635	2.523E-08	0.0013523	0.0166512	0.004002	0.049021	0.04658337	0.574293
3172	472363.09	3846877.25	0.0326	1.54286	0.01004	0.01171	0.01618	0.01747	1.546	1.54286	0.60180881	0.065646313	2.408E-08	0.0010913	0.0134238	0.004348	0.252356	0.2416909	0.696984
3173	472863.09	3846877.25	0.02424	0.10576	0.01034	0.01135	0.01685	0.01497	0.1044	0.10576	0.44747993	0.004499925	2.48E-08	0.0010578	0.0139797	0.003726	0.017035	0.01656743	0.47121
3174	473363.09	3846877.25	0.0271	0.07691	0.01152	0.01184	0.01629	0.0163	0.0746	0.07691	0.50027665	0.003272402	2.763E-08	0.0011034	0.0135151	0.004057	0.012178	0.01204805	0.522355
3175	473863.09	3846877.25	0.02705	0.08728	0.0141	0.01267	0.01814	0.01688	0.088	0.08728	0.49935363	0.003713629	3.382E-08	0.0011808	0.0150499	0.004201	0.014356	0.01367252	0.524183
3176	474363.09	3846877.25	0.02709	0.08096	0.01545	0.01582	0.02087	0.01524	0.0824	0.08096	0.50009205	0.003444723	3.705E-08	0.0014744	0.0173149	0.003793	0.01345	0.01268248	0.526887
3177	474863.09	3846877.25	0.02669	0.07935	0.01579	0.01802	0.02898	0.01618	0.0819	0.07935	0.49270789	0.00337622	3.787E-08	0.0016794	0.0240434	0.004027	0.013365	0.01243027	0.526769
3178	475363.09	3846877.25	0.03613	0.07511	0.014	0.01649	0.02865	0.01476	0.0759	0.07511	0.666974	0.003195815	3.358E-08	0.0015368	0.0237696	0.003674	0.012394	0.01176607	0.699778
3179	475863.09	3846877.25	0.03244	0.08008	0.01088	0.01514	0.03153	0.01527	0.0807	0.08008	0.59885515	0.00340728	2.609E-08	0.001411	0.026159	0.003801	0.013179	0.01254463	0.634268
3180	476363.09	3846877.25	0.02547	0.07732	0.01439	0.01591	0.02432	0.01466	0.0781	0.07732	0.47018621	0.003289847	3.451E-08	0.0014827	0.0201772	0.003649	0.012755	0.01211227	0.499427
3181	476863.09	3846877.25	0.02578	0.0695	0.01404	0.01622	0.02646	0.01553	0.0684	0.0695	0.47590893	0.002957118	3.367E-08	0.0015116	0.0219527	0.003865	0.011163	0.01088726	0.506472
3182	477363.09	3846877.25	0.02681	0.06136	0.01374	0.01471	0.01653	0.01661	0.0632	0.06136	0.49492314	0.002610773	3.295E-08	0.0013709	0.0137142	0.004134	0.010311	0.00961212	0.517452
3183	477863.09	3846877.25	0.02906	0.05348	0.0154	0.01452	0.0248	0.01471	0.0554	0.05348	0.53645902	0.002275492	3.693E-08	0.0013532	0.0205755	0.003661	0.009038	0.00837771	0.564985
3184	478363.09	3846877.25	0.02933	0.05098	0.01419	0.01605	0.02775	0.01579	0.0519	0.05098	0.54144333	0.00216912	3.403E-08	0.0014958	0.0230229	0.00393	0.008468	0.00798608	0.572544
3185	478863.09	3846877.25	0.0292	0.04571	0.01269	0.01531	0.02615	0.01588	0.0479	0.04571	0.53904348	0.00194489	3.043E-08	0.0014268	0.0216955	0.003952	0.007812	0.00716053	0.568715
3186	479363.09	3846877.25	0.02382	0.04127	0.01121	0.01667	0.02601	0.01294	0.0418	0.04127	0.43972656	0.001755975	2.689E-08	0.0015536	0.0215793	0.003221	0.006815	0.006465	0.468186
3187	479863.09	3846877.25	0.03888	0.03152	0.01164	0.01585	0.02515	0.01343	0.0322	0.03152	0.71774008	0.001341127	2.792E-08	0.0014772	0.0208658	0.003343	0.005248	0.00493765	0.745077
3188	480363.09	3846877.25	0.03505	0.0286	0.01483	0.01353	0.02192	0.0142	0.0272	0.0286	0.64703678	0.001216886	3.557E-08	0.0012609	0.018186	0.003534	0.004433	0.00448022	0.671188

3189	480863.09	3846877.25	0.03451	0.0237	0.01469	0.01402	0.01833	0.01419	0.0234	0.0237	0.63706816	0.001008398	3.523E-08	0.0013066	0.0152076	0.003532	0.003824	0.00371263	0.658234
3190	481363.09	3846877.25	0.03304	0.0235	0.01683	0.0148	0.02184	0.01473	0.0233	0.0235	0.60993139	0.000999889	4.036E-08	0.0013793	0.0181197	0.003666	0.003806	0.0036813	0.634222
3191	481863.09	3846877.25	0.02827	0.02151	0.01405	0.01469	0.03146	0.01407	0.0232	0.02151	0.52187531	0.000915217	3.37E-08	0.001369	0.026101	0.003502	0.003787	0.00336957	0.55418
3192	482363.09	3846877.25	0.02369	0.02004	0.01412	0.01334	0.03118	0.0119	0.0195	0.02004	0.43732671	0.000852671	3.386E-08	0.0012432	0.0258687	0.002962	0.003189	0.00313929	0.468303
3193	482863.09	3846877.25	0.02074	0.02019	0.01106	0.01268	0.0259	0.01345	0.0193	0.02019	0.38286855	0.000859053	2.653E-08	0.0011817	0.0214881	0.003348	0.003142	0.00316279	0.409724
3194	483363.09	3846877.25	0.0202	0.018	0.01137	0.01276	0.02447	0.01565	0.0175	0.018	0.37289994	0.000765872	2.727E-08	0.0011892	0.0203017	0.003895	0.002852	0.00281972	0.399084
3195	483863.09	3846877.25	0.02567	0.01692	0.01277	0.01461	0.02981	0.01575	0.0172	0.01692	0.47387829	0.00071992	3.063E-08	0.0013616	0.024732	0.00392	0.002801	0.00265054	0.504762
3196	484363.09	3846877.25	0.02431	0.01726	0.0144	0.01333	0.03581	0.01417	0.017	0.01726	0.44877215	0.000734386	3.454E-08	0.0012423	0.02971	0.003527	0.002772	0.0027038	0.484054
3197	484863.09	3846877.25	0.01979	0.01706	0.01385	0.01161	0.04367	0.01353	0.0168	0.01706	0.36533118	0.000725877	3.322E-08	0.001082	0.036231	0.003368	0.002737	0.00267247	0.406803
3198	485363.09	3846877.25	0.02184	0.01669	0.01843	0.01392	0.03582	0.01122	0.0168	0.01669	0.40317498	0.000710134	4.42E-08	0.0012973	0.0297183	0.002793	0.002736	0.00261451	0.437815
3199	485863.09	3846877.25	0.01799	0.01592	0.01319	0.01228	0.01971	0.01036	0.0163	0.01592	0.33210247	0.000677371	3.163E-08	0.0011444	0.0163525	0.002579	0.002652	0.00249389	0.353014
3200	486363.09	3846877.25	0.02191	0.01566	0.01291	0.01308	0.02045	0.01007	0.016	0.01566	0.40446721	0.000666309	3.096E-08	0.001219	0.0169665	0.002506	0.002603	0.00245316	0.425976
3201	486863.09	3846877.25	0.01998	0.0145	0.0128	0.01151	0.02001	0.00948	0.0146	0.0145	0.36883865	0.000616953	3.07E-08	0.0010727	0.0166014	0.00236	0.002385	0.00227144	0.389603
3202	487363.09	3846877.25	0.0198	0.01429	0.01256	0.01254	0.02008	0.01011	0.0144	0.01429	0.36551578	0.000608017	3.012E-08	0.0011687	0.0166595	0.002516	0.00235	0.00223855	0.38658
3203	487863.09	3846877.25	0.01838	0.0138	0.01364	0.01308	0.02502	0.00996	0.014	0.0138	0.33930202	0.000587169	3.271E-08	0.001219	0.020758	0.002479	0.002285	0.00216179	0.364469
3204	488363.09	3846877.25	0.01772	0.01289	0.00829	0.01089	0.01746	0.00983	0.013	0.01289	0.32711816	0.00054845	1.988E-08	0.0010149	0.0144858	0.002447	0.002124	0.00201923	0.345718
3205	488863.09	3846877.25	0.01969	0.01302	0.01107	0.00895	0.03436	0.0106	0.0131	0.01302	0.36348514	0.000553981	2.655E-08	0.0008341	0.028507	0.002638	0.002145	0.0020396	0.396124
3206	489363.09	3846877.25	0.01715	0.01263	0.01272	0.00918	0.01931	0.01049	0.0127	0.01263	0.31659574	0.000537387	3.051E-08	0.0008555	0.0160206	0.002611	0.002073	0.0019785	0.336715
3207	489863.09	3846877.25	0.01595	0.01202	0.01187	0.00974	0.02266	0.00906	0.0121	0.01202	0.29444327	0.000511432	2.847E-08	0.0009077	0.0188	0.002255	0.001973	0.00188295	0.317008
3208	490363.09	3846877.25	0.01388	0.01136	0.01201	0.00954	0.01766	0.00891	0.0115	0.01136	0.25623026	0.00048335	2.88E-08	0.0008891	0.0146517	0.002218	0.001869	0.00177956	0.274562
3209	490863.09	3846877.25	0.01429	0.01117	0.00987	0.00909	0.01629	0.0086	0.0113	0.01117	0.26379902	0.000475266	2.367E-08	0.0008472	0.0135151	0.002141	0.001838	0.00174979	0.280865
3210	491363.09	3846877.25	0.01365	0.01089	0.00984	0.01148	0.02682	0.0084	0.011	0.01089	0.25198437	0.000463353	2.36E-08	0.0010699	0.0222514	0.002091	0.001792	0.00170593	0.277946
3211	491863.09	3846877.25	0.01294	0.01033	0.00994	0.00956	0.01904	0.00812	0.0104	0.01033	0.23887749	0.000439526	2.384E-08	0.000891	0.0157966	0.002021	0.001699	0.00161821	0.258107
3212	492363.09	3846877.25	0.01519	0.01015	0.00957	0.00907	0.01942	0.00865	0.0103	0.01015	0.28041337	0.000431867	2.295E-08	0.0008453	0.0161119	0.002153	0.001681	0.00159001	0.300047
3213	492863.09	3846877.25	0.01565	0.01004	0.00846	0.00948	0.02011	0.00907	0.0102	0.01004	0.28890515	0.000427187	2.029E-08	0.0008835	0.0166844	0.002257	0.001668	0.00157278	0.309253
3214	493363.09	3846877.25	0.01511	0.00997	0.00812	0.00904	0.01997	0.0087	0.0101	0.00997	0.27893654	0.000424208	1.947E-08	0.0008425	0.0165682	0.002165	0.001655	0.00156181	0.29903
3215	493863.09	3846877.25	0.01549	0.00991	0.00955	0.01	0.01842	0.00801	0.01	0.00991	0.28595149	0.000421655	2.29E-08	0.000932	0.0152823	0.001994	0.001639	0.00155241	0.304667
3216	494363.09	3846877.25	0.01481	0.00984	0.01027	0.00833	0.01515	0.00806	0.0099	0.00984	0.27339842	0.000418677	2.463E-08	0.0007763	0.0125693	0.002006	0.001622	0.00154145	0.28925
3217	494863.09	3846877.25	0.01404	0.00978	0.0085	0.00942	0.01922	0.00896	0.0099	0.00978	0.25918392	0.000416124	2.039E-08	0.0008779	0.015946	0.00223	0.001609	0.00153205	0.278731
3218	495363.09	3846877.25	0.01454	0.00988	0.00794	0.00949	0.01964	0.00923	0.01	0.00988	0.26841411	0.000420379	1.904E-08	0.0008844	0.0162944	0.002297	0.001627	0.00154771	0.28839
3219	495863.09	3846877.25	0.01399	0.01	0.00853	0.00835	0.03547	0.00969	0.0101	0.01	0.2582609	0.000425485	2.046E-08	0.0007782	0.0294279	0.002412	0.001649	0.00156651	0.291386
3220	496363.09	3846877.25	0.01395	0.01012	0.01027	0.00883	0.03795	0.01054	0.0102	0.01012	0.25752248	0.00043059	2.463E-08	0.0008229	0.0314854	0.002623	0.001665	0.00158531	0.292964
3221	496863.09	3846877.25	0.01484	0.01006	0.00953	0.00908	0.03507	0.01047	0.0102	0.01006	0.27395223	0.000428037	2.286E-08	0.0008462	0.029096	0.002606	0.001663	0.00157591	0.307016
3222	497363.09	3846877.25	0.01743	0.01073	0.00957	0.01129	0.03226	0.01056	0.0109	0.01073	0.32176465	0.000456545	2.295E-08	0.0010522	0.0267647	0.002628	0.001774	0.00168087	0.35276
3223	497863.09	3846877.25	0.01758	0.01074	0.01003	0.01212	0.03721	0.01107	0.0109	0.01074	0.32453371	0.00045697	2.406E-08	0.0011295	0.0308715	0.002755	0.001778	0.00168243	0.359842
3224	498363.09	3846877.25	0.01737	0.01053	0.01015	0.01205	0.02778	0.01096	0.0107	0.01053	0.32065703	0.000448035	2.434E-08	0.001123	0.0230478	0.002728	0.001745	0.00164954	0.348099
3225	471363.09	3847377.25	0.02815	0.1441	0.01051	0.02377	0.03491	0.02163	0.1449	0.1441	0.51966006	0.006131233	2.521E-08	0.0022153	0.0289633	0.005384	0.023658	0.02257344	0.563438
3226	471863.09	3847377.25	0.0252	0.17452	0.00978	0.02407	0.02993	0.01935	0.1756	0.17452	0.4652019	0.007425557	2.346E-08	0.0022432	0.0248316	0.004816	0.028668	0.02733877	0.505848
3227	472363.09	3847377.25	0.02899	0.23899	0.01119	0.01898	0.02218	0.01655	0.241	0.23899	0.53516679	0.010168656	2.684E-08	0.0017689	0.0184018	0.004119	0.039343	0.03743807	0.57153
3228	472863.09	3847377.25	0.03329	0.65971	0.01043	0.01195	0.01837	0.0178	0.6658	0.65971	0.61454648	0.028069643	2.501E-08	0.0011137	0.0152408	0.00443	0.108681	0.10334437	0.668737
3229	473363.09	3847377.25	0.02994	0.21247	0.01063	0.01267	0.01673	0.01857	0.2127	0.21247	0.55270417	0.009040271	2.549E-08	0.0011808	0.0138801	0.004622	0.034714	0.03328368	0.582858
3230	473863.09	3847377.25	0.02894	0.14477	0.01185	0.0139	0.01746	0.01754	0.1458	0.14477	0.53424377	0.00615974	2.842E-08	0.0012954	0.0144858	0.004366	0.023799	0.0226784	0.561671
3231	474363.09	3847377.25	0.03242	0.14022	0.01405	0.01437	0.01771	0.01738	0.1414	0.14022	0.59848594	0.005966145	3.37E-08	0.0013392	0.0146932	0.004326	0.023074	0.02196563	0.625919
3232	474863.09	3847377.25	0.02872	0.10556	0.01584	0.01657	0.02107	0.01634	0.1066	0.10556	0.53018249	0.004491415	3.799E-08	0.0015443	0.0174808	0.004067	0.017407	0.0165361	0.558637
3233	475363.09	3847377.25	0.03142	0.08499	0.0162	0.01943	0.02833	0.01707	0.0881	0.08499	0.58002555	0.003616193	3.885E-08	0.0018108	0.0235041	0.004249	0.01438	0.01331379	0.614272
3234	475863.09	3847377.25	0.03984	0.08822	0.01467	0.01706	0.03008	0.01533	0.0908	0.08822	0.73546206	0.003753625	3.518E-08	0.0015899	0.024956	0.003816	0.014821	0.01381977	0.770579
3235	476363.09	3847377.25	0.03353	0.08576	0.01187	0.01569	0.03241	0.02225	0.0867	0.08576	0.61897698	0.003648956	2.847E-08	0.0014622	0.0268891	0.005538	0.014145	0.01343441	0.657226
3236	476863.09	3847377.25	0.02639	0.07938	0.01616	0.01663	0.02493	0.01518	0.08	0.07938	0.48716977	0.003377497	3.876E-08	0.0015498	0.0206833	0.003778	0.013062	0.01243497	0.517185
3237	477363.09	3847377.25	0.02735	0.0717	0.01488	0.01681	0.02735	0.01731	0.0723	0.0717	0.50489175	0.003050724	3.569E-08	0.0015666	0.0226911	0.004308	0.011797	0.01123189	0.537073
3238	477863.09	3847377.25	0.02918	0.06182	0.01571	0.0151	0.0201	0.01707	0.0651	0.06182	0.53867427	0.002630346	3.768E-08	0.0014073	0.0166761	0.004249	0.010629	0.00968418	0.564582
3239	478363.09	3847377.25	0.02966	0.05591	0.01551	0.0156	0.02565	0.01503	0.058	0.05591	0.54753526	0.002378884	3.72E-08	0.0014539	0.0212807	0.003741	0.009467	0.00875837	0.577099
3240	478863.09	3847377.25	0.03542	0.0526	0.01428	0.01655	0.02986	0.01656	0.0534	0.0526	0.65386712	0.002238049	3.425E-08	0.0015424	0.0247735	0.004122	0.008716	0.00823985	0.687019
3241	479363.09	3847377.25	0.02376	0.04165	0.0125	0.01535	0.02799	0.01567	0.0421	0.04165	0.43861894	0.001772143	2.998E-08	0.0014306	0.0232221	0.0039	0.006878	0.00652452	0.469298
3242	479863.09	3847377.25	0.03299	0.03264	0.01133	0.01577	0.02634	0.01289	0.033	0.03264	0.60900837	0.001388782	2.717E-08	0.0014697	0.0218531	0.003208	0.00538	0.0051131	0.637195
3243	480363.09	3847377.25	0.02971	0.02591	0.01417	0.01298	0.02434	0.01401	0.0217	0.02591	0.54845828	0.001102431	3.398E-08	0.0012097	0.0201938	0.003487	0.003549	0.00405883	0.573941
3244	480863.09	3847377.25	0.02515	0.01998	0.01418	0.01301	0.02021	0.01444	0.0201	0.01998	0.46427889	0.000850118	3.401E-08	0.0012125	0.0167673	0.003594	0.003283	0.00312989	0.486856
3245	481363.09	3847377.25	0.02918	0.01921	0.0138	0.01467	0.02117	0.01411	0.0211	0.01921	0.53867427	0.000817356	3.31E-08	0.0013672	0.0175638	0.003512	0.003444	0.00300927	0.562369

3246	481863.09	3847377.25	0.03222	0.02499	0.0162	0.01508	0.02807	0.01462	0.0252	0.02499	0.59479386	0.001063286	3.885E-08	0.0014054	0.0232884	0.003639	0.004112	0.00391471	0.624387
3247	482363.09	3847377.25	0.02736	0.02345	0.01525	0.01454	0.03464	0.01437	0.0234	0.02345	0.50507635	0.000997761	3.657E-08	0.0013551	0.0287393	0.003577	0.003816	0.00367347	0.539888
3248	482863.09	3847377.25	0.02317	0.02256	0.01343	0.01375	0.02936	0.01333	0.022	0.02256	0.42772731	0.000959893	3.221E-08	0.0012814	0.0243587	0.003318	0.003594	0.00353405	0.457705
3249	483363.09	3847377.25	0.02267	0.02115	0.01213	0.01378	0.02766	0.01558	0.0209	0.02115	0.41849711	0.0008999	2.909E-08	0.0012842	0.0229483	0.003878	0.003415	0.00331317	0.447609
3250	483863.09	3847377.25	0.02652	0.01922	0.01309	0.01529	0.02805	0.01597	0.0194	0.01922	0.48956962	0.000817781	3.139E-08	0.001425	0.0232718	0.003975	0.003168	0.00301084	0.519217
3251	484363.09	3847377.25	0.02805	0.01982	0.0162	0.01407	0.0378	0.01568	0.02	0.01982	0.51781402	0.00084331	3.885E-08	0.0013113	0.031361	0.003903	0.00326	0.00310483	0.555387
3252	484863.09	3847377.25	0.02398	0.0189	0.01552	0.01289	0.05278	0.01429	0.019	0.0189	0.44268023	0.000804166	3.722E-08	0.0012013	0.0437892	0.003557	0.003103	0.00296071	0.492174
3253	485363.09	3847377.25	0.02246	0.01835	0.01825	0.01499	0.0417	0.01183	0.0187	0.01835	0.41462043	0.000780764	4.377E-08	0.001397	0.0345966	0.002944	0.003046	0.00287455	0.454511
3254	485863.09	3847377.25	0.02151	0.01812	0.01629	0.01612	0.02873	0.01159	0.0184	0.01812	0.39708305	0.000770978	3.907E-08	0.0015023	0.023836	0.002885	0.002999	0.00283852	0.426237
3255	486363.09	3847377.25	0.02221	0.01786	0.01325	0.01537	0.02056	0.01134	0.018	0.01786	0.41000533	0.000759915	3.178E-08	0.0014324	0.0170577	0.002822	0.00294	0.00279779	0.43222
3256	486863.09	3847377.25	0.02162	0.01575	0.01411	0.01259	0.02349	0.01058	0.0161	0.01575	0.3991137	0.000670138	3.384E-08	0.0011733	0.0194886	0.002633	0.002626	0.00246726	0.423238
3257	487363.09	3847377.25	0.0232	0.01554	0.01444	0.01271	0.02251	0.01051	0.0159	0.01554	0.42828112	0.000661203	3.463E-08	0.0011845	0.0186755	0.002616	0.002595	0.00243436	0.451579
3258	487863.09	3847377.25	0.0213	0.01437	0.01344	0.01364	0.02594	0.01033	0.0154	0.01437	0.39320637	0.000611421	3.223E-08	0.0012712	0.0215213	0.002571	0.002517	0.00225108	0.419447
3259	488363.09	3847377.25	0.02226	0.01404	0.01113	0.01146	0.01788	0.0101	0.0149	0.01404	0.41092835	0.00059738	2.669E-08	0.001068	0.0148342	0.002514	0.00243	0.00219938	0.430173
3260	488863.09	3847377.25	0.01967	0.01377	0.01214	0.00981	0.03938	0.01131	0.0144	0.01377	0.36311593	0.000585892	2.912E-08	0.0009143	0.0326718	0.002815	0.002355	0.00215709	0.400301
3261	489363.09	3847377.25	0.01739	0.01348	0.01429	0.01193	0.02041	0.01087	0.014	0.01348	0.32102624	0.000573553	3.427E-08	0.0011118	0.0169333	0.002706	0.002279	0.00211166	0.342517
3262	489863.09	3847377.25	0.01661	0.01273	0.0135	0.01076	0.03152	0.00988	0.0129	0.01273	0.30662713	0.000541642	3.238E-08	0.0010028	0.0261507	0.002459	0.002097	0.00199417	0.336885
3263	490363.09	3847377.25	0.01565	0.01196	0.01189	0.00979	0.02518	0.0092	0.0121	0.01196	0.28890515	0.00050888	2.852E-08	0.0009124	0.0208907	0.00229	0.001969	0.00187355	0.313602
3264	490863.09	3847377.25	0.01572	0.01175	0.01025	0.00986	0.02338	0.00943	0.0118	0.01175	0.29019738	0.000499944	2.458E-08	0.0009189	0.0193973	0.002347	0.001933	0.00184065	0.313453
3265	491363.09	3847377.25	0.01559	0.01138	0.01152	0.0121	0.03293	0.00929	0.0115	0.01138	0.28779753	0.000484201	2.763E-08	0.0011277	0.0273206	0.002312	0.001872	0.00178269	0.319132
3266	491863.09	3847377.25	0.01654	0.01128	0.01006	0.01167	0.02169	0.00946	0.0114	0.01128	0.3053349	0.000479947	2.413E-08	0.0010876	0.0179952	0.002355	0.001856	0.00176703	0.327341
3267	492363.09	3847377.25	0.01626	0.01073	0.00834	0.01027	0.02085	0.00905	0.0109	0.01073	0.30016599	0.000456545	2E-08	0.0009571	0.0172983	0.002253	0.001776	0.00168087	0.321226
3268	492863.09	3847377.25	0.0162	0.01059	0.00975	0.01073	0.02115	0.00975	0.0108	0.01059	0.29905837	0.000450588	2.338E-08	0.001	0.0175472	0.002427	0.001755	0.00165894	0.320579
3269	493363.09	3847377.25	0.01589	0.01045	0.01048	0.01037	0.01985	0.00896	0.0106	0.01045	0.29333565	0.000444631	2.513E-08	0.0009664	0.0164687	0.00223	0.001732	0.00163701	0.31354
3270	493863.09	3847377.25	0.01515	0.01024	0.0107	0.01148	0.01685	0.0083	0.0104	0.01024	0.27967495	0.000435696	2.566E-08	0.0010699	0.0139797	0.002066	0.001694	0.00160411	0.297316
3271	494363.09	3847377.25	0.01425	0.01008	0.00862	0.00834	0.01859	0.00822	0.0102	0.01008	0.2630606	0.000428888	2.067E-08	0.0007773	0.0154233	0.002046	0.001665	0.00157904	0.281822
3272	494863.09	3847377.25	0.01397	0.00997	0.00847	0.01044	0.01897	0.00927	0.0101	0.00997	0.25789169	0.000424208	2.031E-08	0.000973	0.0157386	0.002307	0.00165	0.00156181	0.277423
3273	495363.09	3847377.25	0.0141	0.00989	0.00831	0.00867	0.02595	0.01033	0.01	0.00989	0.26029154	0.000420804	1.993E-08	0.000808	0.0215296	0.002571	0.001634	0.00154928	0.285706
3274	495863.09	3847377.25	0.01431	0.00985	0.00862	0.00892	0.03235	0.01078	0.01	0.00985	0.26416822	0.000419102	2.067E-08	0.0008313	0.0268394	0.002683	0.001629	0.00154301	0.295027
3275	496363.09	3847377.25	0.01494	0.00988	0.0086	0.00867	0.02933	0.01078	0.0102	0.00988	0.27579827	0.000420379	2.063E-08	0.000808	0.0243338	0.002683	0.001662	0.00154771	0.304158
3276	496863.09	3847377.25	0.01529	0.0101	0.01017	0.01066	0.0328	0.01216	0.0103	0.0101	0.28225941	0.000429739	2.439E-08	0.0009935	0.0272127	0.003027	0.001675	0.00158218	0.314014
3277	497363.09	3847377.25	0.01536	0.01042	0.01032	0.01144	0.03896	0.01131	0.0106	0.01042	0.28355164	0.000443355	2.475E-08	0.0010662	0.0323234	0.002815	0.001725	0.00163231	0.320293
3278	497863.09	3847377.25	0.01844	0.01111	0.01083	0.01294	0.03224	0.01125	0.0112	0.01111	0.34040965	0.000472713	2.597E-08	0.001206	0.0267481	0.0028	0.001823	0.0017404	0.371719
3279	498363.09	3847377.25	0.01974	0.01102	0.01203	0.01305	0.03875	0.01067	0.0111	0.01102	0.36440816	0.000468884	2.885E-08	0.0012162	0.0321491	0.002656	0.001809	0.0017263	0.40098
3280	471363.09	3847877.25	0.0358	0.12707	0.01447	0.02403	0.0341	0.02615	0.1282	0.12707	0.66088207	0.005406633	3.47E-08	0.0022395	0.0282912	0.006509	0.020926	0.01990567	0.704348
3281	471863.09	3847877.25	0.03306	0.1454	0.01294	0.02387	0.04004	0.02328	0.1465	0.1454	0.61030059	0.006186546	3.103E-08	0.0022246	0.0332194	0.005794	0.023906	0.02277709	0.658855
3282	472363.09	3847877.25	0.02965	0.16101	0.01196	0.0255	0.0364	0.02462	0.1625	0.16101	0.54735065	0.006850727	2.868E-08	0.0023765	0.0301995	0.006128	0.026528	0.02522241	0.594211
3283	472863.09	3847877.25	0.03451	0.20628	0.01029	0.02356	0.02945	0.01831	0.2075	0.20628	0.63706816	0.008776896	2.468E-08	0.0021957	0.0244334	0.004557	0.033862	0.03231401	0.678579
3284	473363.09	3847877.25	0.03326	0.31017	0.01147	0.0171	0.02335	0.01806	0.3111	0.31017	0.61399267	0.013197255	2.751E-08	0.0015936	0.0193725	0.004495	0.050777	0.04858851	0.65484
3285	473863.09	3847877.25	0.03741	1.6679	0.01107	0.01308	0.01779	0.01916	1.7681	1.6679	0.6906033	0.070966572	2.655E-08	0.001219	0.0147596	0.004769	0.288596	0.26127857	0.809635
3286	474363.09	3847877.25	0.04022	0.20366	0.01253	0.0138	0.01819	0.0194	0.2059	0.20366	0.74247701	0.008665419	3.005E-08	0.0012861	0.0150914	0.004829	0.033604	0.03190359	0.774049
3287	474863.09	3847877.25	0.03362	0.16655	0.01431	0.01544	0.02051	0.01789	0.1684	0.16655	0.62063841	0.007086446	3.432E-08	0.0014389	0.0170162	0.004453	0.027494	0.02609026	0.652037
3288	475363.09	3847877.25	0.03118	0.11694	0.01625	0.01496	0.02094	0.01747	0.1186	0.11694	0.57559506	0.004975617	3.897E-08	0.0013942	0.017373	0.004348	0.019357	0.01831879	0.604725
3289	475863.09	3847877.25	0.03852	0.09232	0.01667	0.02093	0.02623	0.01809	0.0964	0.09232	0.71109434	0.003928074	3.998E-08	0.0019506	0.0217619	0.004503	0.015734	0.01446204	0.744509
3290	476363.09	3847877.25	0.04154	0.09955	0.01543	0.01765	0.0315	0.01632	0.1174	0.09955	0.76684473	0.004235699	3.701E-08	0.0016449	0.0261341	0.004062	0.019157	0.01559463	0.806483
3291	476863.09	3847877.25	0.03465	0.09251	0.01388	0.01816	0.03332	0.02278	0.0961	0.09251	0.63965262	0.003936158	3.329E-08	0.0016924	0.0276441	0.00567	0.015691	0.0144918	0.679795
3292	477363.09	3847877.25	0.02776	0.08776	0.01717	0.01743	0.02567	0.01576	0.0823	0.08776	0.51246051	0.003734053	4.118E-08	0.0016244	0.0212973	0.003923	0.013426	0.01374771	0.542717
3293	477863.09	3847877.25	0.02924	0.07858	0.01576	0.01739	0.02813	0.01782	0.0787	0.07858	0.53978189	0.003343458	3.78E-08	0.0016207	0.0233382	0.004435	0.012844	0.01230965	0.573054
3294	478363.09	3847877.25	0.03089	0.06691	0.01653	0.01552	0.02503	0.01756	0.069	0.06691	0.57024154	0.002846917	3.964E-08	0.0014464	0.0207663	0.004371	0.011269	0.01048153	0.60046
3295	478863.09	3847877.25	0.03234	0.05962	0.01669	0.01701	0.02656	0.01704	0.0609	0.05962	0.59700911	0.002536739	4.003E-08	0.0015853	0.0220356	0.004241	0.009934	0.00933955	0.628003
3296	479363.09	3847877.25	0.03862	0.04293	0.01376	0.01695	0.03201	0.0161	0.0419	0.04293	0.71294038	0.001826605	3.3E-08	0.0015797	0.0265573	0.004007	0.006836	0.00672504	0.747022
3297	479863.09	3847877.25	0.02434	0.02728	0.01204	0.01528	0.03104	0.01256	0.0274	0.02728	0.44932597	0.001160722	2.888E-08	0.001424	0.0257525	0.003126	0.004476	0.00427345	0.480992
3298	480363.09	3847877.25	0.03246	0.02754	0.01283	0.01449	0.02641	0.01368	0.0272	0.02754	0.59922436	0.001171785	3.077E-08	0.0013504	0.0219112	0.003405	0.004445	0.00431417	0.627193
3299	480863.09	3847877.25	0.03014	0.02636	0.01543	0.01294	0.0248	0.01538	0.024	0.02636	0.55639625	0.001121577	3.701E-08	0.001206	0.0205755	0.003828	0.003913	0.00412933	0.582911
3300	481363.09	3847877.25	0.03078	0.0229	0.01408	0.01429	0.02128	0.01469	0.0231	0.0229	0.5682109	0.00097436	3.377E-08	0.0013318	0.0176551	0.003656	0.003774	0.00358731	0.592015
3301	481863.09	3847877.25	0.04503	0.02831	0.01519	0.0165	0.02325	0.01466	0.0286	0.02831	0.8312715	0.001204547	3.643E-08	0.0015377	0.0192895	0.003649	0.004663	0.0044348	0.857181
3302	482363.09	3847877.25	0.03253	0.02636	0.016	0.01517	0.03313	0.01476	0.0264	0.02636	0.60051659	0.001121577	3.837E-08	0.0014138	0.0274865	0.003674	0.004304	0.00412933	0.634387

3303	482863.09	3847877.25	0.02475	0.02419	0.01447	0.01419	0.03502	0.01426	0.0242	0.02419	0.45689473	0.001029247	3.47E-08	0.0013224	0.0290545	0.003549	0.003953	0.00378939	0.492014
3304	483363.09	3847877.25	0.03117	0.0247	0.01313	0.01441	0.02772	0.01523	0.023	0.0247	0.57541045	0.001050947	3.149E-08	0.001343	0.022998	0.003791	0.003759	0.00386929	0.604483
3305	483863.09	3847877.25	0.02949	0.02134	0.01908	0.0158	0.02703	0.01619	0.0217	0.02134	0.54439699	0.000907984	4.576E-08	0.0014725	0.0224256	0.00403	0.003547	0.00334294	0.573437
3306	484363.09	3847877.25	0.03295	0.02205	0.01913	0.015	0.03512	0.01582	0.0222	0.02205	0.60826995	0.000938193	4.588E-08	0.0013979	0.0291375	0.003938	0.00363	0.00345416	0.643857
3307	484863.09	3847877.25	0.0317	0.02136	0.01603	0.01435	0.0605	0.0163	0.0216	0.02136	0.58519446	0.000908835	3.845E-08	0.0013374	0.0501941	0.004057	0.003519	0.00334607	0.641865
3308	485363.09	3847877.25	0.02887	0.02155	0.01524	0.01607	0.05093	0.01332	0.0218	0.02155	0.53295155	0.000916919	3.655E-08	0.0014977	0.0422543	0.003315	0.00355	0.00337583	0.58111
3309	485863.09	3847877.25	0.02348	0.02142	0.0181	0.01737	0.0423	0.0125	0.0216	0.02142	0.43345003	0.000911388	4.341E-08	0.0016188	0.0350944	0.003111	0.003522	0.00335547	0.474353
3310	486363.09	3847877.25	0.02312	0.01875	0.01529	0.01682	0.02217	0.01204	0.019	0.01875	0.42680429	0.000797784	3.667E-08	0.0015676	0.0183935	0.002997	0.003105	0.00293721	0.450727
3311	486863.09	3847877.25	0.02412	0.01824	0.01585	0.0143	0.02684	0.01302	0.0184	0.01824	0.44526468	0.000776084	3.801E-08	0.0013327	0.0222679	0.003241	0.00301	0.00285732	0.473035
3312	487363.09	3847877.25	0.02601	0.01744	0.01955	0.01307	0.02464	0.01115	0.0175	0.01744	0.48015482	0.000742045	4.689E-08	0.0012181	0.0204427	0.002775	0.002861	0.002732	0.505462
3313	487863.09	3847877.25	0.02689	0.01618	0.01362	0.01389	0.02694	0.01073	0.0165	0.01618	0.49639997	0.000688434	3.267E-08	0.0012945	0.0223509	0.002671	0.002692	0.00253462	0.523562
3314	488363.09	3847877.25	0.02262	0.01552	0.01318	0.01157	0.0206	0.01125	0.0161	0.01552	0.41757409	0.000660352	3.161E-08	0.0010783	0.0170909	0.0028	0.002635	0.00243123	0.439407
3315	488863.09	3847877.25	0.0218	0.01529	0.01421	0.01053	0.04335	0.0129	0.0157	0.01529	0.40243657	0.000650566	3.408E-08	0.0009814	0.0359656	0.003211	0.002566	0.0023952	0.443416
3316	489363.09	3847877.25	0.01997	0.01505	0.01565	0.0129	0.02222	0.01123	0.0153	0.01505	0.36865405	0.000640354	3.753E-08	0.0012022	0.0184349	0.002795	0.002497	0.0023576	0.391867
3317	489863.09	3847877.25	0.02233	0.0155	0.01564	0.01301	0.02994	0.01092	0.0157	0.0155	0.41222058	0.000659501	3.751E-08	0.0012125	0.0248399	0.002718	0.002566	0.00242809	0.441788
3318	490363.09	3847877.25	0.02102	0.01497	0.01532	0.01091	0.03099	0.01075	0.0151	0.01497	0.38803746	0.00063695	3.674E-08	0.0010168	0.025711	0.002676	0.002471	0.00234507	0.418204
3319	490863.09	3847877.25	0.02263	0.01333	0.01472	0.01597	0.03409	0.0111	0.0135	0.01333	0.41775869	0.000567171	3.53E-08	0.0014883	0.028283	0.002763	0.002197	0.00208816	0.450969
3320	491363.09	3847877.25	0.01803	0.01212	0.01069	0.01515	0.02635	0.01024	0.0124	0.01212	0.33284089	0.000515687	2.564E-08	0.0014119	0.0218614	0.002549	0.002016	0.00189861	0.359296
3321	491863.09	3847877.25	0.01852	0.01174	0.0095	0.01323	0.02094	0.01031	0.012	0.01174	0.34188648	0.000499519	2.278E-08	0.001233	0.017373	0.002566	0.001957	0.00183909	0.363676
3322	492363.09	3847877.25	0.01665	0.01144	0.00973	0.01215	0.02264	0.00999	0.0115	0.01144	0.30736554	0.000486754	2.334E-08	0.0011323	0.0187834	0.002486	0.001884	0.00179209	0.330346
3323	492863.09	3847877.25	0.01653	0.01114	0.00975	0.01174	0.02178	0.01062	0.0113	0.01114	0.3051503	0.00047399	2.338E-08	0.0010941	0.0180699	0.002643	0.001851	0.00174509	0.327538
3324	493363.09	3847877.25	0.01554	0.01069	0.01099	0.00986	0.01916	0.00894	0.0108	0.01069	0.28687451	0.000454843	2.636E-08	0.0009189	0.0158962	0.002225	0.001768	0.0016746	0.306463
3325	493863.09	3847877.25	0.01442	0.01039	0.00971	0.01076	0.01673	0.00912	0.0105	0.01039	0.26619887	0.000442078	2.329E-08	0.0010028	0.0138801	0.00227	0.001716	0.00162761	0.283882
3326	494363.09	3847877.25	0.01332	0.0102	0.00852	0.00829	0.022	0.01195	0.0103	0.0102	0.24589244	0.000433994	2.043E-08	0.0007726	0.0182524	0.002974	0.001686	0.00159784	0.268414
3327	494863.09	3847877.25	0.01361	0.01008	0.00852	0.00996	0.02539	0.01109	0.0102	0.01008	0.25124595	0.000428888	2.043E-08	0.0009282	0.0210649	0.00276	0.001667	0.00157904	0.276516
3328	495363.09	3847877.25	0.01426	0.00987	0.00823	0.0103	0.03484	0.00968	0.0102	0.00987	0.2632452	0.000419953	1.974E-08	0.0009599	0.0289052	0.002409	0.001671	0.00154615	0.296065
3329	495863.09	3847877.25	0.01393	0.00976	0.00872	0.00891	0.02981	0.01281	0.0102	0.00976	0.25715328	0.000415273	2.091E-08	0.0008304	0.024732	0.003188	0.001663	0.00152892	0.286454
3330	496363.09	3847877.25	0.01485	0.00992	0.00974	0.01028	0.02682	0.01079	0.0103	0.00992	0.27413684	0.000422081	2.336E-08	0.0009581	0.0222514	0.002686	0.001685	0.00155398	0.300584
3331	496863.09	3847877.25	0.01698	0.01007	0.01063	0.01261	0.03788	0.01162	0.0105	0.01007	0.31345747	0.000428463	2.549E-08	0.0011752	0.0314273	0.002892	0.001709	0.00157748	0.349512
3332	497363.09	3847877.25	0.01579	0.00991	0.01078	0.01302	0.02969	0.01106	0.0106	0.00991	0.29148961	0.000421655	2.585E-08	0.0012134	0.0246325	0.002753	0.00173	0.00155241	0.320688
3333	497863.09	3847877.25	0.0218	0.01173	0.01229	0.01594	0.03752	0.01127	0.0119	0.01173	0.40243657	0.000499093	2.948E-08	0.0014855	0.0311287	0.002805	0.001941	0.00183752	0.438458
3334	498363.09	3847877.25	0.02184	0.01213	0.01173	0.01636	0.02721	0.01112	0.0122	0.01213	0.40317498	0.000516113	2.813E-08	0.0015247	0.0225749	0.002768	0.001995	0.00190018	0.430653
3335	471363.09	3848377.25	0.03904	0.12166	0.02201	0.01929	0.02966	0.02222	0.1224	0.12166	0.72069374	0.005176445	5.279E-08	0.0017977	0.0246076	0.00553	0.019981	0.01905819	0.758729
3336	471863.09	3848377.25	0.03851	0.13254	0.01921	0.02036	0.02988	0.02738	0.1335	0.13254	0.71090974	0.005639373	4.607E-08	0.0018975	0.0247901	0.006815	0.021798	0.02076255	0.751087
3337	472363.09	3848377.25	0.03796	0.14506	0.01436	0.02494	0.0364	0.02669	0.1463	0.14506	0.70075652	0.006172079	3.444E-08	0.0023243	0.0301995	0.006643	0.023884	0.02272383	0.747255
3338	472863.09	3848377.25	0.03443	0.16171	0.01328	0.02508	0.04076	0.02571	0.1631	0.16171	0.63559133	0.006880511	3.185E-08	0.0023374	0.0338168	0.006399	0.026621	0.02533207	0.686314
3339	473363.09	3848377.25	0.03299	0.19672	0.01087	0.02599	0.045	0.02469	0.1983	0.19672	0.60900837	0.008370133	2.607E-08	0.0024222	0.0373345	0.006145	0.032368	0.03081643	0.664832
3340	473863.09	3848377.25	0.04325	0.25854	0.01255	0.02238	0.02867	0.02028	0.2606	0.25854	0.798412	0.011000478	3.01E-08	0.0020857	0.0237862	0.005048	0.042539	0.04050061	0.84237
3341	474363.09	3848377.25	0.06128	0.63749	0.01529	0.01447	0.02112	0.01972	0.6426	0.63749	1.13125289	0.027124216	3.667E-08	0.0013485	0.0175223	0.004908	0.104884	0.09986358	1.187177
3342	474863.09	3848377.25	0.04326	0.33131	0.01224	0.01373	0.01835	0.02011	0.3334	0.33131	0.7985966	0.014096729	2.936E-08	0.0012796	0.0152242	0.005005	0.054416	0.05190011	0.836718
3343	475363.09	3848377.25	0.04431	0.22319	0.01485	0.01642	0.01958	0.01984	0.2254	0.22319	0.81798002	0.00949639	3.562E-08	0.0015303	0.0162447	0.004938	0.036788	0.03496299	0.852015
3344	475863.09	3848377.25	0.03887	0.14327	0.01682	0.01705	0.02123	0.01863	0.1443	0.14327	0.71755548	0.006095918	4.034E-08	0.001589	0.0176136	0.004637	0.023546	0.02244342	0.748593
3345	476363.09	3848377.25	0.04171	0.10458	0.01761	0.0225	0.02683	0.01921	0.1168	0.10458	0.76998299	0.004449718	4.223E-08	0.0020969	0.0222597	0.004781	0.019063	0.01638258	0.806252
3346	476863.09	3848377.25	0.04353	0.11529	0.01625	0.01914	0.03293	0.01884	0.1196	0.11529	0.80358091	0.004905412	3.897E-08	0.0017838	0.0273206	0.004689	0.019524	0.01806032	0.843743
3347	477363.09	3848377.25	0.03907	0.10749	0.0156	0.01901	0.03419	0.02329	0.1077	0.10749	0.72124756	0.004573534	3.741E-08	0.0017717	0.0283659	0.005797	0.017586	0.01683844	0.762503
3348	477863.09	3848377.25	0.03023	0.10315	0.01827	0.01817	0.03057	0.01664	0.1026	0.10315	0.55805768	0.004388873	4.382E-08	0.0016934	0.0253626	0.004142	0.016741	0.01615857	0.594226
3349	478363.09	3848377.25	0.0325	0.08536	0.01619	0.0183	0.02893	0.01822	0.0856	0.08536	0.59996277	0.003631936	3.883E-08	0.0017055	0.0240019	0.004535	0.013977	0.01337175	0.634443
3350	478863.09	3848377.25	0.03194	0.07379	0.01738	0.01595	0.02871	0.01807	0.0747	0.07379	0.58962495	0.003139651	4.168E-08	0.0014865	0.0238194	0.004498	0.012193	0.01155929	0.623202
3351	479363.09	3848377.25	0.03867	0.05089	0.01557	0.01784	0.02749	0.01561	0.0514	0.05089	0.7138634	0.002165291	3.734E-08	0.0016626	0.0228072	0.003885	0.008396	0.00797198	0.744808
3352	479863.09	3848377.25	0.02149	0.02301	0.0123	0.01533	0.02663	0.01367	0.0239	0.02301	0.39671385	0.00097904	2.95E-08	0.0014287	0.0220937	0.003402	0.003904	0.00360454	0.424918
3353	480363.09	3848377.25	0.02848	0.03001	0.01455	0.01555	0.03305	0.01327	0.0305	0.03001	0.52575199	0.001276879	3.49E-08	0.0014492	0.0274201	0.003303	0.004977	0.0047011	0.559477
3354	480863.09	3848377.25	0.04116	0.03821	0.01693	0.01761	0.02854	0.0151	0.0386	0.03821	0.75982978	0.001625777	4.06E-08	0.0016412	0.0236784	0.003758	0.006306	0.00598564	0.790853
3355	481363.09	3848377.25	0.04745	0.03584	0.01713	0.01837	0.02518	0.01585	0.0362	0.03584	0.87594565	0.001524937	4.108E-08	0.001712	0.0208907	0.003945	0.005907	0.00561438	0.904311
3356	481863.09	3848377.25	0.05886	0.03423	0.02112	0.01883	0.0216	0.01495	0.0346	0.03423	1.08657873	0.001456434	5.065E-08	0.0017549	0.0179206	0.003721	0.005641	0.00536217	1.111711
3357	482363.09	3848377.25	0.05021	0.0334	0.01951	0.01751	0.02996	0.01492	0.0352	0.0334	0.92689633	0.001421118	4.679E-08	0.0016319	0.0248565	0.003714	0.005744	0.00523215	0.959031
3358	482863.09	3848377.25	0.03119	0.0286	0.01592	0.01506	0.037	0.01505	0.0289	0.0286	0.57577966	0.001216886	3.818E-08	0.0014035	0.0306972	0.003746	0.004714	0.00448022	0.613077
3359	483363.09	3848377.25	0.03216	0.02732	0.01395	0.01508	0.03246	0.01684	0.0272	0.02732	0.59368624	0.001162424	3.346E-08	0.0014054	0.0269306	0.004191	0.004438	0.00427971	0.627535

3360	483863.09	3848377.25	0.03425	0.02356	0.02061	0.01607	0.0306	0.01641	0.0238	0.02356	0.63226846	0.001002442	4.943E-08	0.0014977	0.0253875	0.004084	0.003883	0.0036907	0.664433
3361	484363.09	3848377.25	0.03265	0.02319	0.01968	0.01579	0.03704	0.01595	0.0234	0.02319	0.60273183	0.000986699	4.72E-08	0.0014716	0.0307304	0.00397	0.003821	0.00363274	0.640079
3362	484863.09	3848377.25	0.03408	0.02543	0.02312	0.01508	0.04628	0.01738	0.0257	0.02543	0.62913019	0.001082007	5.545E-08	0.0014054	0.0383964	0.004326	0.00419	0.00398364	0.674546
3363	485363.09	3848377.25	0.03087	0.02445	0.01709	0.0191	0.05879	0.01456	0.0247	0.02445	0.56987233	0.00104031	4.099E-08	0.00178	0.0487754	0.003624	0.004027	0.00383012	0.625289
3364	485863.09	3848377.25	0.02511	0.02408	0.01587	0.01826	0.04722	0.01345	0.0243	0.02408	0.46354047	0.001024567	3.806E-08	0.0017018	0.0391763	0.003348	0.00397	0.00377216	0.508988
3365	486363.09	3848377.25	0.0265	0.02269	0.02042	0.01805	0.0219	0.01359	0.0227	0.02269	0.48920042	0.000965425	4.897E-08	0.0016822	0.0181695	0.003383	0.003707	0.00355442	0.513553
3366	486863.09	3848377.25	0.0268	0.02057	0.01481	0.01514	0.03021	0.01338	0.0208	0.02057	0.49473853	0.000875222	3.552E-08	0.001411	0.0250639	0.00333	0.003387	0.00322232	0.525584
3367	487363.09	3848377.25	0.02619	0.01888	0.01824	0.01383	0.02572	0.0124	0.019	0.01888	0.48347769	0.000803315	4.375E-08	0.0012889	0.0213387	0.003086	0.003105	0.00295757	0.510142
3368	487863.09	3848377.25	0.02711	0.01833	0.01449	0.01406	0.02804	0.0112	0.0185	0.01833	0.50046126	0.000779913	3.475E-08	0.0013103	0.0232635	0.002788	0.00302	0.00287142	0.528751
3369	488363.09	3848377.25	0.02679	0.01761	0.01491	0.01209	0.02379	0.01242	0.0178	0.01761	0.49455393	0.000749278	3.576E-08	0.0011267	0.0197375	0.003091	0.002902	0.00275863	0.519402
3370	488863.09	3848377.25	0.02305	0.01708	0.01495	0.01291	0.04296	0.01396	0.0173	0.01708	0.42551206	0.000726728	3.586E-08	0.0012032	0.035642	0.003475	0.002822	0.0026756	0.466705
3371	489363.09	3848377.25	0.02451	0.01699	0.01651	0.01429	0.02404	0.01157	0.0171	0.01699	0.45246423	0.000722898	3.96E-08	0.0013318	0.0199449	0.00288	0.002796	0.0026615	0.477478
3372	489863.09	3848377.25	0.02529	0.01735	0.01619	0.01322	0.02765	0.01202	0.0175	0.01735	0.46686334	0.000738216	3.883E-08	0.001232	0.02294	0.002992	0.002863	0.0027179	0.49491
3373	490363.09	3848377.25	0.02493	0.01678	0.01585	0.01156	0.04372	0.01187	0.0171	0.01678	0.4602176	0.000713963	3.801E-08	0.0010773	0.0362725	0.002954	0.002786	0.00262861	0.501394
3374	490863.09	3848377.25	0.02457	0.0152	0.0128	0.01713	0.04367	0.012	0.0157	0.0152	0.45357186	0.000646737	3.07E-08	0.0015964	0.036231	0.002987	0.002564	0.0023811	0.495216
3375	491363.09	3848377.25	0.02137	0.01359	0.01084	0.01869	0.03464	0.01237	0.0137	0.01359	0.3944986	0.000578234	2.6E-08	0.0017418	0.0287393	0.003079	0.002243	0.00212889	0.428751
3376	491863.09	3848377.25	0.01973	0.01283	0.01222	0.01466	0.02681	0.0108	0.013	0.01283	0.36422355	0.000545897	2.931E-08	0.0013663	0.0222431	0.002688	0.002114	0.00200984	0.391171
3377	492363.09	3848377.25	0.01724	0.01146	0.01164	0.0123	0.02291	0.01092	0.0117	0.01146	0.31825718	0.000487605	2.792E-08	0.0011463	0.0190074	0.002718	0.00191	0.00179522	0.341731
3378	492863.09	3848377.25	0.01587	0.0112	0.0111	0.01057	0.02119	0.00915	0.0113	0.0112	0.29296644	0.000476543	2.662E-08	0.0009851	0.0175804	0.002277	0.001851	0.00175449	0.314382
3379	493363.09	3848377.25	0.01472	0.01099	0.00985	0.01001	0.01729	0.00996	0.0111	0.01099	0.27173699	0.000467608	2.362E-08	0.0009329	0.0143447	0.002479	0.001818	0.0017216	0.290058
3380	493863.09	3848377.25	0.01355	0.01081	0.00868	0.01017	0.02177	0.01218	0.011	0.01081	0.25013833	0.000459949	2.082E-08	0.0009478	0.0180616	0.003032	0.001789	0.0016934	0.272735
3381	494363.09	3848377.25	0.01405	0.01062	0.00759	0.01065	0.02457	0.01172	0.0107	0.01062	0.25936852	0.000451865	1.82E-08	0.0009925	0.0203846	0.002917	0.001751	0.00166364	0.284202
3382	494863.09	3848377.25	0.0145	0.01053	0.008	0.01035	0.03546	0.01298	0.0107	0.01053	0.2676757	0.000448035	1.919E-08	0.0009646	0.0294196	0.003231	0.00174	0.00164954	0.301829
3383	495363.09	3848377.25	0.0147	0.00985	0.00916	0.00936	0.03047	0.01395	0.0106	0.00985	0.27136778	0.000419102	2.197E-08	0.0008723	0.0252796	0.003472	0.001729	0.00154301	0.301596
3384	495863.09	3848377.25	0.01709	0.00985	0.00894	0.00922	0.02946	0.01243	0.0106	0.00985	0.31548812	0.000419102	2.144E-08	0.0008593	0.0244416	0.003094	0.001732	0.00154301	0.344491
3385	496363.09	3848377.25	0.01762	0.00994	0.01004	0.01205	0.02376	0.01081	0.0107	0.00994	0.32527213	0.000422932	2.408E-08	0.001123	0.0197126	0.002691	0.001738	0.00155711	0.349403
3386	496863.09	3848377.25	0.01655	0.00988	0.0096	0.01253	0.02589	0.01125	0.0104	0.00988	0.3055195	0.000420379	2.302E-08	0.0011677	0.0214798	0.0028	0.001694	0.00154771	0.331534
3387	497363.09	3848377.25	0.01344	0.00994	0.01044	0.01459	0.02581	0.01137	0.0104	0.00994	0.24810768	0.000422932	2.504E-08	0.0013597	0.0214134	0.00283	0.001689	0.00155711	0.274266
3388	497863.09	3848377.25	0.02228	0.01184	0.01217	0.01628	0.02715	0.01178	0.012	0.01184	0.41129756	0.000503774	2.919E-08	0.0015172	0.0225251	0.002932	0.001955	0.00185475	0.438876
3389	498363.09	3848377.25	0.02294	0.01232	0.01197	0.01554	0.02101	0.0108	0.0126	0.01232	0.42348142	0.000524197	2.871E-08	0.0014483	0.0174311	0.002688	0.00205	0.00192994	0.445693
3390	471363.09	3848877.25	0.03715	0.10119	0.01848	0.02571	0.02778	0.02505	0.1026	0.10119	0.6858036	0.004305478	4.432E-08	0.0023961	0.0230478	0.006235	0.016752	0.01585154	0.722688
3391	471863.09	3848877.25	0.03995	0.11067	0.02378	0.02678	0.02991	0.02315	0.1115	0.11067	0.7374927	0.004708838	5.703E-08	0.0024958	0.024815	0.005762	0.0182	0.01733659	0.776138
3392	472363.09	3848877.25	0.04393	0.11911	0.02259	0.02224	0.03113	0.02545	0.1203	0.11911	0.81096507	0.005067947	5.418E-08	0.0020727	0.0258272	0.006334	0.019632	0.01865873	0.85124
3393	472863.09	3848877.25	0.04314	0.13201	0.0184	0.02813	0.03116	0.02959	0.1332	0.13201	0.79638136	0.005616822	4.413E-08	0.0026216	0.0258521	0.007365	0.021734	0.02067953	0.838891
3394	473363.09	3848877.25	0.04728	0.14889	0.0143	0.02566	0.04337	0.02726	0.1496	0.14889	0.87280738	0.00633504	3.43E-08	0.0023914	0.0359822	0.006785	0.024414	0.0233238	0.925391
3395	473863.09	3848877.25	0.04928	0.18204	0.01414	0.02883	0.04138	0.02742	0.1836	0.18204	0.90972817	0.007745521	3.391E-08	0.0026868	0.0343311	0.006825	0.02997	0.02851679	0.96277
3396	474363.09	3848877.25	0.05866	0.24708	0.01218	0.02621	0.04372	0.02455	0.2484	0.24708	1.08288666	0.010512873	2.921E-08	0.0024427	0.0362725	0.00611	0.040539	0.03870538	1.140059
3397	474863.09	3848877.25	0.08945	0.58244	0.01479	0.02018	0.02735	0.02017	0.5875	0.58244	1.65128216	0.024781924	3.547E-08	0.0018807	0.0226911	0.00502	0.0959	0.09123994	1.710316
3398	475363.09	3848877.25	0.06547	0.52494	0.01243	0.01531	0.01992	0.02087	0.5305	0.52494	1.20860193	0.022335387	2.981E-08	0.0014268	0.0165267	0.005194	0.086591	0.08223249	1.258444
3399	475863.09	3848877.25	0.04867	0.26762	0.01544	0.01671	0.01973	0.02259	0.2702	0.26762	0.89846733	0.011386818	3.703E-08	0.0015573	0.0163691	0.005623	0.044099	0.041923	0.93558
3400	476363.09	3848877.25	0.04637	0.20084	0.01759	0.02005	0.02386	0.0198	0.2032	0.20084	0.85600843	0.008545432	4.219E-08	0.0018686	0.0197956	0.004928	0.03316	0.03146183	0.892844
3401	476863.09	3848877.25	0.04881	0.1633	0.01864	0.0221	0.02545	0.02026	0.1652	0.1633	0.90105178	0.006948163	4.471E-08	0.0020596	0.0211147	0.005043	0.026962	0.02558114	0.937598
3402	477363.09	3848877.25	0.0457	0.16789	0.01718	0.02266	0.03436	0.01973	0.1734	0.16789	0.84363996	0.007143461	4.12E-08	0.0021118	0.028507	0.004911	0.028296	0.02630017	0.888308
3403	477863.09	3848877.25	0.04494	0.14995	0.01695	0.01993	0.03519	0.02383	0.1512	0.14995	0.82961006	0.006380141	4.065E-08	0.0018574	0.0291956	0.005931	0.024682	0.02348985	0.874166
3404	478363.09	3848877.25	0.0351	0.13335	0.01899	0.01886	0.03619	0.01863	0.1344	0.13335	0.6479598	0.005673837	4.554E-08	0.0017577	0.0300252	0.004637	0.02194	0.02088944	0.691104
3405	478863.09	3848877.25	0.03457	0.10848	0.01766	0.01913	0.03048	0.01853	0.1093	0.10848	0.63817579	0.004615657	4.235E-08	0.0017828	0.0252879	0.004612	0.017838	0.01699352	0.675318
3406	479363.09	3848877.25	0.03815	0.08285	0.01843	0.01639	0.0312	0.0186	0.0836	0.08285	0.70426399	0.00352514	4.42E-08	0.0015275	0.0258852	0.004629	0.013649	0.01297855	0.740502
3407	479863.09	3848877.25	0.04775	0.06114	0.01587	0.01905	0.02856	0.01902	0.0623	0.06114	0.88148377	0.002601413	3.806E-08	0.0017754	0.023695	0.004734	0.010168	0.00957766	0.914879
3408	480363.09	3848877.25	0.041	0.05796	0.01472	0.01789	0.03454	0.01821	0.0586	0.05796	0.75687611	0.002466109	3.53E-08	0.0016673	0.0286563	0.004532	0.009559	0.0090795	0.794677
3409	480863.09	3848877.25	0.04962	0.05376	0.01753	0.02249	0.03377	0.01985	0.0555	0.05376	0.9160047	0.002287405	4.204E-08	0.002096	0.0280175	0.004941	0.009056	0.00842157	0.953981
3410	481363.09	3848877.25	0.057	0.04801	0.01772	0.02106	0.03216	0.02441	0.0509	0.04801	1.0522424	0.002042751	4.25E-08	0.0019627	0.0266817	0.006076	0.008303	0.00752082	1.089788
3411	481863.09	3848877.25	0.07424	0.04165	0.02266	0.02053	0.02532	0.01957	0.042	0.04165	1.37049958	0.001772143	5.435E-08	0.0019133	0.0210069	0.004871	0.006857	0.00652452	1.400396
3412	482363.09	3848877.25	0.0432	0.03408	0.01872	0.01667	0.02557	0.01476	0.0354	0.03408	0.79748898	0.001450051	4.49E-08	0.0015536	0.0212143	0.003674	0.005778	0.00533867	0.82582
3413	482863.09	3848877.25	0.03415	0.0293	0.01864	0.01568	0.03492	0.01546	0.03	0.0293	0.63042242	0.00124667	4.471E-08	0.0014613	0.0289716	0.003848	0.004892	0.00458988	0.666252
3414	483363.09	3848877.25	0.02484	0.02647	0.01425	0.01472	0.02769	0.01725	0.0262	0.02647	0.45855616	0.001126258	3.418E-08	0.0013718	0.0229732	0.004293	0.004268	0.00414656	0.488443
3415	483863.09	3848877.25	0.02702	0.02447	0.01678	0.01512	0.02978	0.01611	0.0244	0.02447	0.49879982	0.001041161	4.024E-08	0.0014091	0.0247071	0.00401	0.003988	0.00383326	0.530121
3416	484363.09	3848877.25	0.0357	0.02714	0.01989	0.01641	0.03251	0.0161	0.0278	0.02714	0.65903603	0.001154765	4.77E-08	0.0015293	0.0269721	0.004007	0.00453	0.00425151	0.692978

3417	484863.09	3848877.25	0.03969	0.02919	0.02779	0.01798	0.05391	0.01883	0.0294	0.02919	0.732693	0.001241989	6.665E-08	0.0016757	0.0447267	0.004687	0.004799	0.00457265	0.78525
3418	485363.09	3848877.25	0.03376	0.02789	0.01621	0.01811	0.06235	0.01684	0.0283	0.02789	0.62322287	0.001186676	3.888E-08	0.0016878	0.051729	0.004191	0.004624	0.004369	0.682273
3419	485863.09	3848877.25	0.02816	0.02718	0.01635	0.02035	0.05719	0.01491	0.0277	0.02718	0.51984467	0.001156467	3.921E-08	0.0018965	0.047448	0.003711	0.004517	0.00425778	0.574316
3420	486363.09	3848877.25	0.02889	0.02309	0.02059	0.01886	0.02669	0.01404	0.0233	0.02309	0.53332076	0.000982444	4.938E-08	0.0017577	0.0221435	0.003495	0.00381	0.00361708	0.561892
3421	486863.09	3848877.25	0.0285	0.02135	0.01828	0.01655	0.03084	0.01374	0.0218	0.02135	0.5261212	0.00090841	4.384E-08	0.0015424	0.0255866	0.00342	0.003558	0.0033445	0.557792
3422	487363.09	3848877.25	0.02771	0.02072	0.01552	0.01595	0.0269	0.01445	0.0213	0.02072	0.51153749	0.000881604	3.722E-08	0.0014865	0.0223177	0.003597	0.003469	0.00324581	0.540043
3423	487863.09	3848877.25	0.02733	0.01984	0.01822	0.01555	0.02922	0.01362	0.02	0.01984	0.50452254	0.000844161	4.37E-08	0.0014492	0.0242425	0.00339	0.003271	0.00310796	0.534612
3424	488363.09	3848877.25	0.02702	0.01936	0.01466	0.01511	0.02749	0.01407	0.0196	0.01936	0.49879982	0.000823738	3.516E-08	0.0014082	0.0228072	0.003502	0.003201	0.00303277	0.527509
3425	488863.09	3848877.25	0.02377	0.01788	0.01659	0.01434	0.04236	0.01489	0.0181	0.01788	0.43880354	0.000760766	3.979E-08	0.0013364	0.0351442	0.003706	0.002961	0.00280092	0.479911
3426	489363.09	3848877.25	0.02498	0.01788	0.01567	0.01485	0.03018	0.01437	0.018	0.01788	0.46114062	0.000760766	3.758E-08	0.001384	0.025039	0.003577	0.002936	0.00280092	0.492037
3427	489863.09	3848877.25	0.02599	0.01787	0.01847	0.01386	0.02859	0.01482	0.0182	0.01787	0.47978562	0.000760341	4.43E-08	0.0012917	0.0237198	0.003689	0.002972	0.00279936	0.509419
3428	490363.09	3848877.25	0.02668	0.01646	0.01493	0.01242	0.03482	0.01242	0.0171	0.01646	0.49252329	0.000700348	3.581E-08	0.0011575	0.0288886	0.003091	0.00279	0.00257848	0.526572
3429	490863.09	3848877.25	0.02579	0.01504	0.01204	0.01825	0.05196	0.01247	0.0159	0.01504	0.47609354	0.000639929	2.888E-08	0.0017008	0.0431089	0.003104	0.002602	0.00235603	0.524893
3430	491363.09	3848877.25	0.02452	0.01407	0.01328	0.01923	0.02525	0.01291	0.0143	0.01407	0.45264884	0.000598657	3.185E-08	0.0017922	0.0209488	0.003213	0.002331	0.00220408	0.479329
3431	491863.09	3848877.25	0.01897	0.01259	0.00996	0.01419	0.02605	0.01194	0.013	0.01259	0.35019366	0.000535685	2.389E-08	0.0013224	0.0216125	0.002972	0.002115	0.00197224	0.376779
3432	492363.09	3848877.25	0.01778	0.0114	0.0126	0.01202	0.02378	0.0114	0.0115	0.0114	0.32822579	0.000485052	3.022E-08	0.0011202	0.0197292	0.002837	0.001884	0.00178582	0.352496
3433	492863.09	3848877.25	0.01504	0.01112	0.00969	0.01065	0.01882	0.00963	0.0112	0.01112	0.27764431	0.000473139	2.324E-08	0.0009925	0.0156141	0.002397	0.001835	0.00174196	0.297214
3434	493363.09	3848877.25	0.01391	0.01053	0.00898	0.01254	0.01596	0.01188	0.0106	0.01053	0.25678407	0.000448035	2.154E-08	0.0011687	0.0132413	0.002957	0.001732	0.00164954	0.274681
3435	493863.09	3848877.25	0.01455	0.01078	0.0089	0.01047	0.02347	0.01245	0.0109	0.01078	0.26859872	0.000458672	2.135E-08	0.0009758	0.019472	0.003099	0.001778	0.0016887	0.292693
3436	494363.09	3848877.25	0.01518	0.01007	0.00881	0.01122	0.03126	0.01143	0.0107	0.01007	0.28022877	0.000428463	2.113E-08	0.0010457	0.025935	0.002845	0.001743	0.00157748	0.310649
3437	494863.09	3848877.25	0.01694	0.01035	0.00972	0.01298	0.03324	0.013	0.0109	0.01035	0.31271906	0.000440377	2.331E-08	0.0012097	0.0275777	0.003236	0.001771	0.00162134	0.345332
3438	495363.09	3848877.25	0.01781	0.01012	0.00997	0.01086	0.03174	0.01418	0.0111	0.01012	0.3287796	0.00043059	2.391E-08	0.0010121	0.0263333	0.003529	0.001807	0.00158531	0.360307
3439	495863.09	3848877.25	0.01456	0.00986	0.00971	0.00871	0.02409	0.01215	0.0108	0.00986	0.26878332	0.000419528	2.329E-08	0.0008117	0.0199864	0.003024	0.001765	0.00154458	0.293245
3440	496363.09	3848877.25	0.01445	0.00973	0.01001	0.01057	0.02385	0.0114	0.0106	0.00973	0.26675268	0.000413996	2.401E-08	0.0009851	0.0197873	0.002837	0.001735	0.00152422	0.290987
3441	496863.09	3848877.25	0.01474	0.00998	0.01095	0.01379	0.02431	0.01181	0.0111	0.00998	0.27210619	0.000424634	2.626E-08	0.0012852	0.0201689	0.002939	0.00181	0.00156338	0.297171
3442	497363.09	3848877.25	0.01834	0.01039	0.0122	0.01495	0.02558	0.01107	0.0112	0.01039	0.33856361	0.000442078	2.926E-08	0.0013933	0.0212226	0.002755	0.00182	0.00162761	0.364569
3443	497863.09	3848877.25	0.02342	0.01152	0.01385	0.01575	0.02177	0.01216	0.0117	0.01152	0.43234241	0.000490158	3.322E-08	0.0014678	0.0180616	0.003027	0.001911	0.00180462	0.455495
3444	498363.09	3848877.25	0.02284	0.01247	0.01426	0.01695	0.02292	0.01068	0.0128	0.01247	0.42163538	0.000530579	3.42E-08	0.0015797	0.0190157	0.002658	0.002088	0.00195344	0.445554
3445	471363.09	3849377.25	0.03589	0.07413	0.0277	0.03028	0.02675	0.0285	0.0745	0.07413	0.66254351	0.003154117	6.643E-08	0.002822	0.0221933	0.007094	0.012152	0.01161255	0.698346
3446	471863.09	3849377.25	0.03449	0.08609	0.02412	0.02787	0.03396	0.02896	0.0863	0.08609	0.63669896	0.003662997	5.785E-08	0.0025974	0.0281751	0.007208	0.01408	0.0134861	0.678937
3447	472363.09	3849377.25	0.03441	0.09723	0.01958	0.02709	0.02934	0.02721	0.0986	0.09723	0.63522212	0.004136987	4.696E-08	0.0025247	0.0243421	0.006772	0.016101	0.0152312	0.673868
3448	472863.09	3849377.25	0.03637	0.10801	0.02477	0.02799	0.03157	0.02412	0.1091	0.10801	0.6714045	0.004595659	5.941E-08	0.0026086	0.0261922	0.006003	0.0178	0.0169199	0.711685
3449	473363.09	3849377.25	0.04207	0.12509	0.02314	0.02529	0.03274	0.02907	0.1263	0.12509	0.77662874	0.005322387	5.55E-08	0.0023569	0.0271629	0.007235	0.020613	0.0195955	0.819723
3450	473863.09	3849377.25	0.04729	0.15172	0.01839	0.02937	0.03607	0.02967	0.1532	0.15172	0.87299199	0.006455452	4.411E-08	0.0027372	0.0299257	0.007385	0.025	0.02376712	0.920728
3451	474363.09	3849377.25	0.04946	0.17741	0.01499	0.02695	0.04805	0.02866	0.1823	0.17741	0.91305104	0.007548522	3.595E-08	0.0025116	0.0398649	0.007133	0.029758	0.02779149	0.972076
3452	474863.09	3849377.25	0.0505	0.22626	0.0149	0.02973	0.04765	0.02723	0.2282	0.22626	0.93224985	0.009627014	3.574E-08	0.0027707	0.0395331	0.006777	0.037241	0.0354439	0.992755
3453	475363.09	3849377.25	0.05352	0.31693	0.01398	0.02579	0.04024	0.02379	0.3167	0.31693	0.98800024	0.013484883	3.353E-08	0.0024035	0.0333853	0.005921	0.051701	0.04964747	1.045249
3454	475863.09	3849377.25	0.08261	0.41763	0.01535	0.01988	0.02475	0.02188	0.4198	0.41763	1.52501307	0.017769512	3.681E-08	0.0018527	0.020534	0.005446	0.068522	0.06542225	1.573715
3455	476363.09	3849377.25	0.09998	0.60019	0.01637	0.01681	0.02025	0.02383	0.6033	0.60019	1.8456701	0.025537159	3.926E-08	0.0015666	0.0168005	0.005931	0.098471	0.09402049	1.899956
3456	476863.09	3849377.25	0.07495	0.86053	0.01851	0.02085	0.02317	0.02103	0.872	0.86053	1.38360646	0.036614224	4.439E-08	0.0019431	0.0192231	0.005234	0.14234	0.13480307	1.454158
3457	477363.09	3849377.25	0.05411	0.36277	0.0198	0.02044	0.02794	0.02132	0.3658	0.36277	0.99889187	0.015435304	4.749E-08	0.0019049	0.0231806	0.005306	0.059701	0.05682836	1.047592
3458	477863.09	3849377.25	0.04977	0.23328	0.01802	0.02559	0.03566	0.02171	0.2351	0.23328	0.91877376	0.009925704	4.322E-08	0.0023849	0.0295855	0.005404	0.038378	0.0365436	0.967908
3459	478363.09	3849377.25	0.04721	0.18121	0.01847	0.02096	0.0364	0.02437	0.1826	0.18121	0.87151516	0.007710206	4.43E-08	0.0019534	0.0301995	0.006066	0.029807	0.02838677	0.918864
3460	478863.09	3849377.25	0.03836	0.15036	0.01979	0.01965	0.04167	0.02197	0.1517	0.15036	0.70814068	0.006397586	4.746E-08	0.0018313	0.0345717	0.005468	0.024754	0.02355408	0.757609
3461	479363.09	3849377.25	0.04658	0.12026	0.01863	0.02037	0.0317	0.01931	0.1334	0.12026	0.85988511	0.005116878	4.468E-08	0.0018984	0.0263001	0.004806	0.02178	0.01883888	0.900947
3462	479863.09	3849377.25	0.05073	0.09395	0.01956	0.01869	0.03261	0.02016	0.0948	0.09395	0.93649574	0.003997428	4.691E-08	0.0017418	0.0270551	0.005018	0.015468	0.01471738	0.975058
3463	480363.09	3849377.25	0.06295	0.09245	0.01656	0.02043	0.03483	0.02513	0.0932	0.09245	1.16208174	0.003933605	3.972E-08	0.001904	0.0288969	0.006255	0.015205	0.01448241	1.203793
3464	480863.09	3849377.25	0.05514	0.07809	0.01623	0.02146	0.03468	0.02582	0.079	0.07809	1.01790607	0.003322609	3.893E-08	0.002	0.0287724	0.006427	0.012892	0.01223289	1.059087
3465	481363.09	3849377.25	0.06126	0.06447	0.0194	0.02343	0.03421	0.02459	0.0617	0.06447	1.13088368	0.002743099	4.653E-08	0.0021836	0.0283825	0.00612	0.010068	0.0100993	1.170282
3466	481863.09	3849377.25	0.05758	0.04001	0.02292	0.01978	0.03101	0.01637	0.0419	0.04001	1.06294943	0.001702364	5.497E-08	0.0018434	0.0257276	0.004074	0.006833	0.00626762	1.096862
3467	482363.09	3849377.25	0.04763	0.03703	0.01686	0.01545	0.0241	0.01485	0.0376	0.03703	0.87926852	0.001575569	4.044E-08	0.0014399	0.0199947	0.003696	0.006131	0.00580079	0.906305
3468	482863.09	3849377.25	0.02839	0.02831	0.01746	0.01604	0.02603	0.01612	0.0296	0.02831	0.52409056	0.001204547	4.188E-08	0.0014949	0.0215959	0.004012	0.004836	0.0044348	0.5528
3469	483363.09	3849377.25	0.02967	0.02675	0.01485	0.01561	0.02236	0.01736	0.027	0.02675	0.54771986	0.001138171	3.562E-08	0.0014548	0.0185511	0.004321	0.00441	0.00419042	0.573405
3470	483863.09	3849377.25	0.02569	0.02286	0.01671	0.01527	0.0349	0.01577	0.0231	0.02286	0.4742475	0.000972658	4.008E-08	0.0014231	0.028955	0.003925	0.003766	0.00358105	0.509708
3471	484363.09	3849377.25	0.0381	0.03126	0.02026	0.0168	0.03283	0.02127	0.0323	0.03126	0.70334097	0.001330065	4.859E-08	0.0015657	0.0272376	0.005294	0.005269	0.00489692	0.73914
3472	484863.09	3849377.25	0.04834	0.03441	0.02455	0.02045	0.04495	0.01898	0.0347	0.03441	0.8923754	0.001464092	5.888E-08	0.0019059	0.037293	0.004724	0.005656	0.00539037	0.938028
3473	485363.09	3849377.25	0.03679	0.03301	0.01997	0.02338	0.06734	0.01834	0.0333	0.03301	0.67915786	0.001404525	4.789E-08	0.0021789	0.055869	0.004565	0.005431	0.00517106	0.743435

3474	485863.09	3849377.25	0.03049	0.02605	0.01519	0.02109	0.05924	0.01525	0.0272	0.02605	0.56285738	0.001108387	3.643E-08	0.0019655	0.0491488	0.003796	0.004446	0.00408076	0.619241
3475	486363.09	3849377.25	0.02703	0.0222	0.0238	0.01908	0.03092	0.01313	0.0229	0.0222	0.49898442	0.000944576	5.708E-08	0.0017782	0.0256529	0.003268	0.00373	0.00347766	0.53088
3476	486863.09	3849377.25	0.03023	0.02381	0.01916	0.01773	0.03225	0.01502	0.0242	0.02381	0.55805768	0.001013079	4.595E-08	0.0016524	0.0267564	0.003738	0.003949	0.00372987	0.591437
3477	487363.09	3849377.25	0.02912	0.02362	0.02187	0.01688	0.02818	0.01526	0.0239	0.02362	0.53756665	0.001004995	5.245E-08	0.0015731	0.0233797	0.003798	0.003906	0.0037001	0.567529
3478	487863.09	3849377.25	0.02757	0.02279	0.01857	0.01663	0.03949	0.01553	0.0235	0.02279	0.50895304	0.000969679	4.454E-08	0.0015498	0.0327631	0.003865	0.003841	0.00357008	0.548372
3479	488363.09	3849377.25	0.02915	0.02215	0.01905	0.01561	0.03168	0.01686	0.0227	0.02215	0.53812046	0.000942448	4.569E-08	0.0014548	0.0262835	0.004196	0.00371	0.00346982	0.571238
3480	488863.09	3849377.25	0.02476	0.02094	0.01639	0.0159	0.04062	0.01602	0.0218	0.02094	0.45707933	0.000890965	3.931E-08	0.0014818	0.0337006	0.003987	0.003553	0.00328028	0.497413
3481	489363.09	3849377.25	0.02609	0.02012	0.01814	0.01546	0.04681	0.01529	0.0205	0.02012	0.48163165	0.000856075	4.351E-08	0.0014408	0.0388362	0.003806	0.00334	0.00315182	0.526758
3482	489863.09	3849377.25	0.02765	0.01906	0.01944	0.01407	0.04353	0.01629	0.0192	0.01906	0.51042987	0.000810974	4.662E-08	0.0013113	0.0361149	0.004055	0.003141	0.00298577	0.552876
3483	490363.09	3849377.25	0.02587	0.01732	0.0153	0.01269	0.04766	0.01298	0.0175	0.01732	0.47757037	0.000736939	3.669E-08	0.0011827	0.0395414	0.003231	0.002858	0.0027132	0.522407
3484	490863.09	3849377.25	0.02583	0.01628	0.01453	0.01876	0.05031	0.01345	0.0165	0.01628	0.47683195	0.000692689	3.485E-08	0.0017484	0.04174	0.003348	0.002688	0.00255028	0.524499
3485	491363.09	3849377.25	0.02556	0.01466	0.01183	0.01959	0.03003	0.0133	0.0151	0.01466	0.47184765	0.00062376	2.837E-08	0.0018257	0.0249146	0.00331	0.002457	0.00229651	0.502682
3486	491863.09	3849377.25	0.02016	0.01311	0.0127	0.01523	0.0301	0.01289	0.0134	0.01311	0.37216152	0.00055781	3.046E-08	0.0014194	0.0249726	0.003208	0.002187	0.0020537	0.402453
3487	492363.09	3849377.25	0.01733	0.01216	0.01243	0.01274	0.02331	0.01163	0.0123	0.01216	0.31991861	0.000517389	2.981E-08	0.0011873	0.0193393	0.002895	0.002006	0.00190488	0.343958
3488	492863.09	3849377.25	0.01496	0.01049	0.00919	0.01103	0.02012	0.0138	0.011	0.01049	0.27616748	0.000446333	2.204E-08	0.001028	0.0166927	0.003435	0.001794	0.00164327	0.29792
3489	493363.09	3849377.25	0.01569	0.01021	0.0091	0.01302	0.02506	0.01321	0.011	0.01021	0.28964357	0.00043442	2.182E-08	0.0012134	0.0207912	0.003288	0.001796	0.00159941	0.315567
3490	493863.09	3849377.25	0.01644	0.01017	0.01013	0.01337	0.03126	0.01217	0.0111	0.01017	0.30348886	0.000432718	2.43E-08	0.001246	0.025935	0.003029	0.001804	0.00159314	0.334342
3491	494363.09	3849377.25	0.0176	0.01018	0.01043	0.01351	0.03631	0.01121	0.0113	0.01018	0.32490292	0.000433143	2.501E-08	0.0012591	0.0301248	0.00279	0.001836	0.00159471	0.359752
3492	494863.09	3849377.25	0.01859	0.01018	0.01133	0.0122	0.03756	0.01319	0.0114	0.01018	0.34317871	0.000433143	2.717E-08	0.001137	0.0311619	0.003283	0.001859	0.00159471	0.379458
3493	495363.09	3849377.25	0.01922	0.01017	0.0122	0.0132	0.042	0.0133	0.0115	0.01017	0.35480875	0.000432718	2.926E-08	0.0012302	0.0348455	0.00331	0.001879	0.00159314	0.394913
3494	495863.09	3849377.25	0.01516	0.00993	0.01016	0.00955	0.02489	0.01203	0.0105	0.00993	0.27985956	0.000422506	2.437E-08	0.00089	0.0206501	0.002994	0.001717	0.00155555	0.304978
3495	496363.09	3849377.25	0.01494	0.00988	0.00946	0.01402	0.02388	0.01137	0.01	0.00988	0.27579827	0.000420379	2.269E-08	0.0013066	0.0198122	0.00283	0.001629	0.00154771	0.300249
3496	496863.09	3849377.25	0.01784	0.01009	0.01213	0.01517	0.02531	0.01076	0.0109	0.01009	0.32933341	0.000429314	2.909E-08	0.0014138	0.0209986	0.002678	0.001771	0.00158061	0.355044
3497	497363.09	3849377.25	0.01905	0.0101	0.01397	0.01486	0.02262	0.01121	0.0104	0.0101	0.35167049	0.000429739	3.35E-08	0.0013849	0.0187668	0.00279	0.001704	0.00158218	0.375164
3498	497863.09	3849377.25	0.02696	0.01347	0.01705	0.01662	0.02689	0.01255	0.0145	0.01347	0.4976922	0.000573128	4.089E-08	0.0015489	0.0223094	0.003124	0.002365	0.00211009	0.525502
3499	498363.09	3849377.25	0.0256	0.01264	0.0146	0.0192	0.02858	0.01085	0.0128	0.01264	0.47258606	0.000537813	3.502E-08	0.0017894	0.0237115	0.002701	0.002084	0.00198007	0.50143
3500	471363.09	3849877.25	0.03362	0.06609	0.0259	0.03585	0.05527	0.03025	0.0665	0.06609	0.62063841	0.002812028	6.212E-08	0.0033411	0.0458551	0.007529	0.010856	0.01035308	0.680679
3501	471863.09	3849877.25	0.03714	0.08866	0.03337	0.0351	0.05093	0.03017	0.09	0.08866	0.685619	0.003772346	8.003E-08	0.0032712	0.0422543	0.007509	0.014682	0.0138887	0.74322
3502	472363.09	3849877.25	0.04091	0.09369	0.03343	0.03593	0.03356	0.03019	0.0959	0.09369	0.75521468	0.003986365	8.018E-08	0.0033485	0.0278432	0.007514	0.015655	0.01467665	0.798886
3503	472863.09	3849877.25	0.0367	0.10023	0.02635	0.03083	0.03556	0.03166	0.0973	0.10023	0.67749642	0.004264632	6.32E-08	0.0028732	0.0295025	0.00788	0.015877	0.01570115	0.722193
3504	473363.09	3849877.25	0.03556	0.10846	0.02682	0.03082	0.03107	0.03014	0.1093	0.10846	0.65645158	0.004614806	6.432E-08	0.0028723	0.0257774	0.007502	0.017839	0.01699039	0.698067
3505	473863.09	3849877.25	0.03951	0.11418	0.02885	0.03057	0.03343	0.02689	0.1157	0.11418	0.72937013	0.004858183	6.919E-08	0.002849	0.0277354	0.006693	0.018881	0.01788644	0.7725
3506	474363.09	3849877.25	0.04665	0.1276	0.02368	0.02844	0.03513	0.03036	0.129	0.1276	0.86117734	0.005429183	5.679E-08	0.0026505	0.0291458	0.007557	0.021056	0.0199887	0.907027
3507	474863.09	3849877.25	0.04571	0.15793	0.01835	0.03116	0.05309	0.02969	0.1599	0.15793	0.84382457	0.006719678	4.401E-08	0.002904	0.0440464	0.00739	0.026094	0.02473993	0.906238
3508	475363.09	3849877.25	0.04547	0.18368	0.01711	0.03005	0.04939	0.02849	0.1854	0.18368	0.83939407	0.007815301	4.104E-08	0.0028005	0.0409767	0.007091	0.030254	0.0287737	0.899558
3509	475863.09	3849877.25	0.04905	0.18834	0.01532	0.03046	0.05024	0.0319	0.1911	0.18834	0.90548228	0.008013577	3.674E-08	0.0028387	0.0416819	0.00794	0.031186	0.02950369	0.967639
3510	476363.09	3849877.25	0.05195	0.22619	0.01837	0.02498	0.03591	0.02353	0.2283	0.22619	0.95901742	0.009624036	4.406E-08	0.002328	0.0297929	0.005857	0.037265	0.03543294	1.008451
3511	476863.09	3849877.25	0.06223	0.31549	0.01679	0.01924	0.02397	0.02508	0.3185	0.31549	1.14879026	0.013423613	4.027E-08	0.0017931	0.0198868	0.006242	0.05199	0.04942189	1.192704
3512	477363.09	3849877.25	0.09142	0.5393	0.01979	0.02088	0.02281	0.02514	0.5456	0.5393	1.68764913	0.022946383	4.746E-08	0.0019459	0.0189244	0.006257	0.089053	0.084482	1.742294
3513	477863.09	3849877.25	0.13916	0.88992	0.02114	0.02499	0.03297	0.02233	0.889	0.88992	2.5689483	0.037864723	5.07E-08	0.002329	0.0273537	0.005558	0.145112	0.13940705	2.647758
3514	478363.09	3849877.25	0.09484	0.36198	0.01919	0.02739	0.03692	0.02288	0.3641	0.36198	1.75078368	0.015401691	4.602E-08	0.0025526	0.0306309	0.005695	0.059435	0.05670461	1.807794
3515	478863.09	3849877.25	0.07063	0.25449	0.02245	0.02206	0.04125	0.02496	0.2556	0.25449	1.30385756	0.010828157	5.384E-08	0.0020559	0.0342233	0.006212	0.041726	0.03986617	1.359037
3516	479363.09	3849877.25	0.06135	0.17039	0.02058	0.02168	0.04339	0.025	0.1715	0.17039	1.13254511	0.007249832	4.936E-08	0.0020205	0.0359987	0.006222	0.027986	0.0266918	1.18533
3517	479863.09	3849877.25	0.05704	0.14789	0.02014	0.02444	0.03309	0.02333	0.149	0.14789	1.05298082	0.006292491	4.83E-08	0.0022777	0.0274533	0.005807	0.024315	0.02316715	1.095959
3518	480363.09	3849877.25	0.06363	0.1071	0.01867	0.0197	0.03422	0.02416	0.1065	0.1071	1.17463481	0.00455694	4.478E-08	0.001836	0.0283908	0.006013	0.017389	0.01677735	1.216043
3519	480863.09	3849877.25	0.06413	0.08584	0.01873	0.02188	0.03649	0.02479	0.0842	0.08584	1.18386501	0.00365236	4.492E-08	0.0020391	0.0302741	0.00617	0.01375	0.01344694	1.226304
3520	481363.09	3849877.25	0.06092	0.07704	0.01988	0.02399	0.03585	0.02745	0.0779	0.07704	1.12460714	0.003277933	4.768E-08	0.0022358	0.0297431	0.006832	0.012711	0.01206841	1.167338
3521	481863.09	3849877.25	0.05541	0.04497	0.02099	0.02062	0.03781	0.01674	0.0467	0.04497	1.02289038	0.001913404	5.034E-08	0.0019217	0.0313693	0.004167	0.007629	0.00704461	1.062846
3522	482363.09	3849877.25	0.04728	0.03571	0.01826	0.01794	0.03008	0.01624	0.036	0.03571	0.87280738	0.001519405	4.379E-08	0.0016719	0.024956	0.004042	0.005878	0.00559401	0.905281
3523	482863.09	3849877.25	0.03007	0.03029	0.02117	0.01612	0.02589	0.01546	0.0306	0.03029	0.55510402	0.001288793	5.077E-08	0.0015023	0.0214798	0.003848	0.00499	0.00474497	0.583468
3524	483363.09	3849877.25	0.03007	0.02523	0.01552	0.01625	0.02261	0.01649	0.0257	0.02523	0.55510402	0.001073498	3.722E-08	0.0015144	0.0187585	0.004104	0.004188	0.00395231	0.580791
3525	483863.09	3849877.25	0.02613	0.02464	0.0175	0.01607	0.02821	0.0172	0.0249	0.02464	0.48237007	0.001048394	4.197E-08	0.0014977	0.0234046	0.004281	0.004059	0.00385989	0.512801
3526	484363.09	3849877.25	0.03954	0.03222	0.02444	0.01724	0.04064	0.02425	0.033	0.03222	0.72992394	0.001370911	5.862E-08	0.0016067	0.0337172	0.006036	0.00539	0.0050473	0.772997
3527	484863.09	3849877.25	0.05814	0.03879	0.0255	0.02694	0.04533	0.02432	0.0391	0.03879	1.07328725	0.001650455	6.116E-08	0.0025107	0.0376083	0.006053	0.006389	0.0060765	1.121422
3528	485363.09	3849877.25	0.04345	0.03572	0.01794	0.02655	0.05956	0.02006	0.0364	0.03572	0.80210408	0.001519831	4.303E-08	0.0024744	0.0494143	0.004993	0.005935	0.00559558	0.860845
3529	485863.09	3849877.25	0.03451	0.0307	0.01827	0.02247	0.07338	0.01615	0.0305	0.0307	0.63706816	0.001306238	4.382E-08	0.0020941	0.0608801	0.00402	0.00498	0.00480919	0.705539
3530	486363.09	3849877.25	0.03328	0.02891	0.02731	0.02083	0.05327	0.01553	0.0292	0.02891	0.61436188	0.001230076	6.55E-08	0.0019413	0.0441957	0.003865	0.004763	0.00452879	0.665829

3531	486863.09	3849877.25	0.03508	0.03058	0.02293	0.01964	0.03252	0.01564	0.0309	0.03058	0.64759059	0.001301132	5.499E-08	0.0018304	0.0269804	0.003893	0.005039	0.00479039	0.681844
3532	487363.09	3849877.25	0.0357	0.02897	0.02378	0.01741	0.03076	0.01575	0.0293	0.02897	0.65903603	0.001232629	5.703E-08	0.0016225	0.0255202	0.00392	0.004779	0.00453819	0.691573
3533	487863.09	3849877.25	0.03223	0.02845	0.02528	0.01715	0.04916	0.01608	0.0286	0.02845	0.59497847	0.001210504	6.063E-08	0.0015983	0.0407859	0.004002	0.004668	0.00445673	0.642787
3534	488363.09	3849877.25	0.03044	0.02604	0.0185	0.01682	0.03599	0.01795	0.0267	0.02604	0.56193436	0.001107962	4.437E-08	0.0015676	0.0298593	0.004468	0.004361	0.0040792	0.599219
3535	488863.09	3849877.25	0.02967	0.0248	0.01493	0.01771	0.03858	0.01622	0.026	0.0248	0.54771986	0.001055202	3.581E-08	0.0016505	0.0320081	0.004037	0.004241	0.00388495	0.586827
3536	489363.09	3849877.25	0.03184	0.02296	0.01933	0.01692	0.04352	0.01554	0.0238	0.02296	0.58777891	0.000976913	4.636E-08	0.0015769	0.0361066	0.003868	0.003888	0.00359671	0.630599
3537	489863.09	3849877.25	0.03094	0.02091	0.01992	0.01426	0.05326	0.01665	0.0213	0.02091	0.57116456	0.000889688	4.777E-08	0.001329	0.0441874	0.004144	0.003477	0.00327558	0.621916
3538	490363.09	3849877.25	0.02701	0.01968	0.01688	0.01409	0.06317	0.01638	0.02	0.01968	0.49861522	0.000837354	4.048E-08	0.0013131	0.0524093	0.004077	0.003269	0.0030829	0.557439
3539	490863.09	3849877.25	0.02683	0.01822	0.01619	0.01889	0.04168	0.01538	0.0194	0.01822	0.49529235	0.000775233	3.883E-08	0.0017605	0.03458	0.003828	0.003165	0.00285419	0.536547
3540	491363.09	3849877.25	0.02799	0.01631	0.01281	0.01953	0.03603	0.0145	0.0172	0.01631	0.5167064	0.000693965	3.072E-08	0.0018201	0.0298925	0.003609	0.002801	0.00255498	0.552968
3541	491863.09	3849877.25	0.02031	0.01436	0.01456	0.01679	0.0313	0.01375	0.0145	0.01436	0.37493058	0.000610996	3.492E-08	0.0015648	0.0259682	0.003422	0.002368	0.00224951	0.406616
3542	492363.09	3849877.25	0.01882	0.01283	0.01123	0.01463	0.02143	0.01409	0.013	0.01283	0.3474246	0.000545897	2.693E-08	0.0013635	0.0177795	0.003507	0.002114	0.00200984	0.370724
3543	492863.09	3849877.25	0.01627	0.01123	0.01195	0.01443	0.02513	0.01357	0.0117	0.01123	0.30035059	0.000477819	2.866E-08	0.0013448	0.0208492	0.003378	0.001907	0.00175919	0.326547
3544	493363.09	3849877.25	0.01714	0.01064	0.01416	0.01378	0.03095	0.01362	0.0114	0.01064	0.31641114	0.000452716	3.396E-08	0.0012842	0.0256778	0.00339	0.001864	0.00166677	0.347413
3545	493863.09	3849877.25	0.01827	0.01047	0.01137	0.01334	0.03975	0.01192	0.0115	0.01047	0.33727138	0.000445482	2.727E-08	0.0012432	0.0329788	0.002967	0.001871	0.00164014	0.375136
3546	494363.09	3849877.25	0.01929	0.01066	0.0125	0.01618	0.03825	0.01274	0.0117	0.01066	0.35610098	0.000453567	2.998E-08	0.0015079	0.0317343	0.003171	0.001907	0.0016699	0.393204
3547	494863.09	3849877.25	0.02269	0.0119	0.01366	0.01464	0.05026	0.01376	0.012	0.0119	0.41886632	0.000506327	3.276E-08	0.0013644	0.0416985	0.003425	0.001954	0.00186415	0.46595
3548	495363.09	3849877.25	0.01948	0.01026	0.01375	0.01318	0.03492	0.01266	0.0114	0.01026	0.35960846	0.000436547	3.298E-08	0.0012283	0.0289716	0.003151	0.001858	0.00160724	0.393646
3549	495863.09	3849877.25	0.02037	0.01153	0.01391	0.01454	0.03459	0.01259	0.0117	0.01153	0.37603821	0.000490584	3.336E-08	0.0013551	0.0286978	0.003134	0.001902	0.00180619	0.409811
3550	496363.09	3849877.25	0.02431	0.01137	0.01506	0.01598	0.02499	0.01223	0.0116	0.01137	0.44877215	0.000483776	3.612E-08	0.0014893	0.0207331	0.003044	0.001897	0.00178112	0.474638
3551	496863.09	3849877.25	0.02431	0.01168	0.01557	0.01649	0.02335	0.01215	0.0118	0.01168	0.44877215	0.000496966	3.734E-08	0.0015368	0.0193725	0.003024	0.001921	0.00182969	0.473294
3552	497363.09	3849877.25	0.02717	0.01328	0.0173	0.01661	0.02856	0.01256	0.0133	0.01328	0.50156888	0.000565044	4.149E-08	0.001548	0.023695	0.003126	0.002176	0.00208033	0.530599
3553	497863.09	3849877.25	0.02868	0.01489	0.01658	0.02206	0.03182	0.01341	0.0153	0.01489	0.52944407	0.000633547	3.976E-08	0.0020559	0.0263996	0.003338	0.002499	0.00233254	0.562037
3554	498363.09	3849877.25	0.02756	0.01305	0.01559	0.01837	0.03097	0.01217	0.0132	0.01305	0.50876843	0.000555257	3.739E-08	0.001712	0.0256944	0.003029	0.002148	0.0020443	0.539863
3555	471363.09	3850377.25	0.0433	0.03441	0.01911	0.02752	0.05448	0.02431	0.0384	0.03441	0.79933502	0.001464092	4.583E-08	0.0025648	0.0451996	0.006051	0.006265	0.00539037	0.855489
3556	471863.09	3850377.25	0.04469	0.05309	0.02029	0.03734	0.05728	0.03055	0.0548	0.05309	0.82499497	0.002258898	4.866E-08	0.0034799	0.0475227	0.007604	0.008943	0.00831661	0.886487
3557	472363.09	3850377.25	0.04129	0.06289	0.03226	0.03886	0.05839	0.03302	0.0654	0.06289	0.76222963	0.002675873	7.737E-08	0.0036216	0.0484436	0.008219	0.010669	0.0098518	0.826006
3558	472863.09	3850377.25	0.04246	0.08083	0.0361	0.03827	0.0583	0.03348	0.0813	0.08083	0.78382829	0.003439192	8.658E-08	0.0035666	0.0483689	0.008333	0.013274	0.01266212	0.848148
3559	473363.09	3850377.25	0.04676	0.0854	0.04331	0.03797	0.03636	0.03208	0.0858	0.0854	0.86320798	0.003633638	1.039E-07	0.0035386	0.0301663	0.007985	0.013997	0.01337801	0.90915
3560	473863.09	3850377.25	0.04071	0.0915	0.028	0.03548	0.03732	0.03454	0.0907	0.0915	0.7515226	0.003893184	6.715E-08	0.0033066	0.0309627	0.008597	0.014797	0.01433359	0.798745
3561	474363.09	3850377.25	0.03776	0.09705	0.02833	0.03542	0.03334	0.03337	0.0976	0.09705	0.69706444	0.004129328	6.794E-08	0.003301	0.0276607	0.008306	0.015928	0.015203	0.741186
3562	474863.09	3850377.25	0.04625	0.10282	0.03006	0.03264	0.03552	0.03075	0.1037	0.10282	0.85379318	0.004374832	7.209E-08	0.0030419	0.0294694	0.007654	0.01693	0.01610688	0.899156
3563	475363.09	3850377.25	0.05132	0.11117	0.02417	0.03176	0.03666	0.03056	0.1123	0.11117	0.94738737	0.004730112	5.797E-08	0.0029599	0.0304152	0.007606	0.018331	0.01741492	0.994015
3564	475863.09	3850377.25	0.04822	0.13297	0.01812	0.03401	0.0543	0.0332	0.1247	0.13297	0.89016015	0.005657668	4.346E-08	0.0031696	0.0450503	0.008263	0.020346	0.02082991	0.951818
3565	476363.09	3850377.25	0.0548	0.14588	0.01695	0.03651	0.05049	0.03497	0.1479	0.14588	1.01162954	0.006206969	4.065E-08	0.0034026	0.0418893	0.008704	0.024133	0.02285228	1.073113
3566	476863.09	3850377.25	0.0505	0.1776	0.02131	0.03113	0.04805	0.03329	0.1803	0.1776	0.93224985	0.007556606	5.111E-08	0.0029012	0.0398649	0.008286	0.029433	0.02782126	0.992471
3567	477363.09	3850377.25	0.06008	0.21174	0.02715	0.02456	0.04037	0.03156	0.2155	0.21174	1.10910041	0.00900921	6.511E-08	0.0022889	0.0334932	0.007855	0.035179	0.03316933	1.163757
3568	477863.09	3850377.25	0.07062	0.29028	0.02045	0.02139	0.02328	0.02653	0.2936	0.29028	1.30367296	0.012350966	4.905E-08	0.0019935	0.0193144	0.006603	0.047919	0.04547272	1.346381
3569	478363.09	3850377.25	0.11601	0.55515	0.02306	0.02569	0.03282	0.02421	0.5641	0.55515	2.1415902	0.023620776	5.531E-08	0.0023942	0.0272293	0.006026	0.092074	0.08696492	2.205969
3570	478863.09	3850377.25	0.18428	0.95899	0.0206	0.02927	0.03551	0.02755	0.9461	0.95899	3.40188123	0.040803545	4.941E-08	0.0027278	0.0294611	0.006857	0.154431	0.15022695	3.485935
3571	479363.09	3850377.25	0.11166	0.37043	0.02348	0.02329	0.0446	0.02556	0.3703	0.37043	2.06128749	0.015761225	5.631E-08	0.0021705	0.0370026	0.006362	0.060439	0.05802831	2.124994
3572	479863.09	3850377.25	0.07811	0.23632	0.02359	0.02308	0.04532	0.02837	0.2371	0.23632	1.4419413	0.010055052	5.658E-08	0.002151	0.0376	0.007061	0.038708	0.03701982	1.500497
3573	480363.09	3850377.25	0.08598	0.16533	0.02303	0.02742	0.03457	0.0243	0.1664	0.16533	1.58722459	0.007034537	5.523E-08	0.0025554	0.0286812	0.006048	0.02716	0.02589915	1.632804
3574	480863.09	3850377.25	0.0835	0.14379	0.0208	0.0207	0.04845	0.02792	0.1427	0.14379	1.54144282	0.006118043	4.989E-08	0.0019292	0.0401968	0.006949	0.023296	0.02252488	1.597407
3575	481363.09	3850377.25	0.07929	0.08672	0.02054	0.02268	0.03836	0.02972	0.0862	0.08672	1.46372456	0.003689802	4.926E-08	0.0021137	0.0318256	0.007397	0.014074	0.01358479	1.50924
3576	481863.09	3850377.25	0.09953	0.07899	0.02718	0.02676	0.03985	0.03077	0.0767	0.07899	1.83736292	0.003360903	6.519E-08	0.0024939	0.0330618	0.007659	0.012523	0.01237388	1.884087
3577	482363.09	3850377.25	0.08817	0.06812	0.02518	0.02921	0.04224	0.03085	0.069	0.06812	1.62765285	0.002898401	6.039E-08	0.0027223	0.0350446	0.007678	0.011261	0.01067108	1.676587
3578	482863.09	3850377.25	0.05924	0.0495	0.02211	0.0194	0.03006	0.01659	0.0516	0.0495	1.09359368	0.002106149	5.303E-08	0.001808	0.0249394	0.004129	0.008414	0.00775424	1.127237
3579	483363.09	3850377.25	0.03607	0.03704	0.02126	0.01709	0.03164	0.01931	0.0382	0.03704	0.66586638	0.001575995	5.099E-08	0.0015927	0.0262503	0.004806	0.006229	0.00580236	0.700518
3580	483863.09	3850377.25	0.0383	0.04064	0.02052	0.01758	0.04292	0.02097	0.0411	0.04064	0.70703305	0.001729169	4.921E-08	0.0016384	0.0356088	0.005219	0.00671	0.00636631	0.751573
3581	484363.09	3850377.25	0.05394	0.04527	0.02832	0.02106	0.04092	0.02589	0.0458	0.04527	0.9957536	0.001926169	6.792E-08	0.0019627	0.0339495	0.006444	0.007476	0.0070916	1.04042
3582	484863.09	3850377.25	0.06532	0.04533	0.03109	0.02533	0.04021	0.0279	0.0475	0.04533	1.20583287	0.001928722	7.456E-08	0.0023607	0.0333604	0.006944	0.007748	0.007101	1.251074
3583	485363.09	3850377.25	0.06609	0.04307	0.02151	0.0298	0.06127	0.02363	0.0455	0.04307	1.22004738	0.001832562	5.159E-08	0.0027772	0.050833	0.005881	0.00743	0.00674697	1.282055
3584	485863.09	3850377.25	0.04555	0.03726	0.02767	0.02595	0.10316	0.02097	0.0376	0.03726	0.8408709	0.001585356	6.636E-08	0.0024184	0.0855872	0.005219	0.006134	0.00583682	0.935979
3585	486363.09	3850377.25	0.04421	0.0358	0.02627	0.02425	0.08341	0.01732	0.0361	0.0358	0.81613398	0.001523235	6.3E-08	0.00226	0.0692016	0.004311	0.005899	0.00560811	0.893721
3586	486863.09	3850377.25	0.04099	0.03291	0.02715	0.02166	0.03272	0.01643	0.0332	0.03291	0.75669151	0.00140027	6.511E-08	0.0020186	0.0271463	0.004089	0.005424	0.00515539	0.791615
3587	487363.09	3850377.25	0.04071	0.03082	0.02941	0.01794	0.0343	0.01787	0.0313	0.03082	0.7515226	0.001311343	7.054E-08	0.0016719	0.0284572	0.004448	0.005104	0.00482799	0.787687

3588	487863.09	3850377.25	0.03618	0.02952	0.02533	0.0179	0.05142	0.01928	0.0298	0.02952	0.66789702	0.00125603	6.075E-08	0.0016682	0.0426609	0.004799	0.004856	0.00462434	0.718513
3589	488363.09	3850377.25	0.03351	0.02745	0.01649	0.01719	0.03876	0.01926	0.0277	0.02745	0.61860777	0.001167955	3.955E-08	0.001602	0.0321574	0.004794	0.00452	0.00430008	0.658549
3590	488863.09	3850377.25	0.0347	0.02651	0.01871	0.01795	0.03731	0.01837	0.0267	0.02651	0.64057564	0.00112796	4.487E-08	0.0016729	0.0309544	0.004572	0.004365	0.00415282	0.679115
3591	489363.09	3850377.25	0.03256	0.02538	0.02212	0.01855	0.03909	0.01863	0.0256	0.02538	0.6010704	0.00107988	5.305E-08	0.0017288	0.0324312	0.004637	0.004179	0.00397581	0.64115
3592	489863.09	3850377.25	0.03077	0.02427	0.02437	0.01757	0.05856	0.01848	0.0248	0.02427	0.56802629	0.001032651	5.845E-08	0.0016375	0.0485846	0.0046	0.00405	0.00380193	0.624128
3593	490363.09	3850377.25	0.02873	0.02335	0.01679	0.01596	0.07581	0.01904	0.024	0.02335	0.53036709	0.000993506	4.027E-08	0.0014874	0.0628962	0.004739	0.003924	0.00365781	0.600749
3594	490863.09	3850377.25	0.02815	0.02083	0.01734	0.02167	0.0374	0.01634	0.0212	0.02083	0.51966006	0.000886284	4.159E-08	0.0020196	0.0310291	0.004067	0.003452	0.00326304	0.557851
3595	491363.09	3850377.25	0.02901	0.01864	0.01475	0.02039	0.03751	0.01638	0.0191	0.01864	0.535536	0.000793103	3.538E-08	0.0019003	0.0311204	0.004077	0.00311	0.00291998	0.573616
3596	491863.09	3850377.25	0.02842	0.01615	0.01558	0.01816	0.03041	0.01479	0.0163	0.01615	0.52464437	0.000687158	3.737E-08	0.0016924	0.0252298	0.003681	0.002659	0.00252992	0.556064
3597	492363.09	3850377.25	0.02075	0.0137	0.01403	0.01651	0.03234	0.01422	0.014	0.0137	0.38305316	0.000582914	3.365E-08	0.0015387	0.0268311	0.003539	0.00229	0.00214612	0.415689
3598	492863.09	3850377.25	0.02025	0.01271	0.01563	0.01528	0.03722	0.01483	0.013	0.01271	0.37382296	0.000540791	3.749E-08	0.001424	0.0308798	0.003691	0.002115	0.00199104	0.410483
3599	493363.09	3850377.25	0.01903	0.01157	0.01309	0.01484	0.04373	0.01457	0.0119	0.01157	0.35130128	0.000492286	3.139E-08	0.001383	0.0362808	0.003626	0.001936	0.00181245	0.393207
3600	493863.09	3850377.25	0.01996	0.01196	0.01314	0.01491	0.04858	0.01378	0.0121	0.01196	0.36846945	0.00050888	3.151E-08	0.0013896	0.0403047	0.00343	0.001967	0.00187355	0.414196
3601	494363.09	3850377.25	0.02221	0.01202	0.01365	0.0151	0.05061	0.0134	0.0123	0.01202	0.41000533	0.000511432	3.274E-08	0.0014073	0.0419889	0.003335	0.002003	0.00188295	0.457368
3602	494863.09	3850377.25	0.02607	0.01277	0.01622	0.01502	0.04363	0.01391	0.0133	0.01277	0.48126245	0.000543344	3.89E-08	0.0013998	0.0361979	0.003462	0.002173	0.00200044	0.523038
3603	495363.09	3850377.25	0.02868	0.01407	0.01665	0.01675	0.04289	0.01683	0.0142	0.01407	0.52944407	0.000598657	3.993E-08	0.001561	0.0355839	0.004189	0.002316	0.00220408	0.571489
3604	495863.09	3850377.25	0.02685	0.0129	0.01717	0.01691	0.02579	0.01287	0.0132	0.0129	0.49566155	0.000548875	4.118E-08	0.0015759	0.0213968	0.003203	0.00216	0.0020208	0.522525
3605	496363.09	3850377.25	0.02847	0.01408	0.01815	0.01771	0.02593	0.01407	0.0142	0.01408	0.52556739	0.000599082	4.353E-08	0.0016505	0.021513	0.003502	0.002323	0.00220565	0.552949
3606	496863.09	3850377.25	0.03015	0.01583	0.01852	0.01785	0.03366	0.01383	0.0161	0.01583	0.55658085	0.000673542	4.442E-08	0.0016635	0.0279262	0.003442	0.002628	0.00247979	0.590435
3607	497363.09	3850377.25	0.03111	0.01637	0.01772	0.02398	0.0344	0.01403	0.0165	0.01637	0.57430283	0.000696518	4.25E-08	0.0022348	0.0285401	0.003492	0.00269	0.00256438	0.609392
3608	497863.09	3850377.25	0.03109	0.01558	0.01912	0.02248	0.03968	0.01441	0.0158	0.01558	0.57393362	0.000662905	4.586E-08	0.002095	0.0329207	0.003587	0.002572	0.00244063	0.613331
3609	498363.09	3850377.25	0.03109	0.01496	0.01873	0.01795	0.03954	0.01472	0.0151	0.01496	0.57393362	0.000636525	4.492E-08	0.0016729	0.0328046	0.003664	0.002471	0.0023435	0.612839
3610	471363.09	3850877.25	0.04897	0.04255	0.03391	0.03397	0.04728	0.03062	0.0408	0.04255	0.90400545	0.001810437	8.133E-08	0.0031659	0.0392261	0.007621	0.006656	0.00666551	0.95582
3611	471863.09	3850877.25	0.04946	0.0484	0.03199	0.03536	0.05155	0.03126	0.0484	0.0484	0.91305104	0.002059345	7.672E-08	0.0032954	0.0427687	0.007781	0.007899	0.00758192	0.969272
3612	472363.09	3850877.25	0.05329	0.05687	0.02728	0.03801	0.073	0.03447	0.0574	0.05687	0.98375435	0.002419731	6.543E-08	0.0035424	0.0605648	0.008579	0.009376	0.00890875	1.059328
3613	472863.09	3850877.25	0.04849	0.06335	0.02496	0.04126	0.06191	0.03736	0.0674	0.06335	0.89514446	0.002695445	5.986E-08	0.0038453	0.051364	0.009299	0.010995	0.00992385	0.963419
3614	473363.09	3850877.25	0.0455	0.06612	0.04104	0.04176	0.06185	0.03661	0.0666	0.06612	0.83994788	0.002813304	9.843E-08	0.0038919	0.0513142	0.009112	0.010876	0.01035778	0.907598
3615	473863.09	3850877.25	0.04739	0.07626	0.03917	0.0437	0.0621	0.03624	0.0773	0.07626	0.87483803	0.003244745	9.394E-08	0.0040727	0.0515216	0.00902	0.012618	0.01194622	0.943368
3616	474363.09	3850877.25	0.05265	0.08701	0.04736	0.04279	0.04777	0.03611	0.0851	0.08701	0.97193969	0.003702141	1.136E-07	0.0039879	0.0396326	0.008988	0.013889	0.01363022	1.028509
3617	474863.09	3850877.25	0.04589	0.09233	0.03017	0.03946	0.03937	0.03727	0.0873	0.09233	0.84714744	0.003928499	7.236E-08	0.0036775	0.0326635	0.009276	0.014248	0.01446361	0.896478
3618	475363.09	3850877.25	0.04228	0.09551	0.03	0.0378	0.04132	0.03716	0.0963	0.09551	0.78050542	0.004063803	7.195E-08	0.0035228	0.0342814	0.009249	0.015725	0.01496176	0.832386
3619	475863.09	3850877.25	0.05027	0.09882	0.03138	0.03499	0.03791	0.03582	0.0998	0.09882	0.92800396	0.004204639	7.526E-08	0.0032609	0.0314522	0.008915	0.016289	0.01548027	0.976646
3620	476363.09	3850877.25	0.05602	0.11606	0.02452	0.03524	0.0584	0.03438	0.1061	0.11606	1.03415122	0.004938174	5.881E-08	0.0032842	0.0484519	0.008557	0.017319	0.01818094	1.09852
3621	476863.09	3850877.25	0.05674	0.12811	0.02037	0.03752	0.0545	0.03434	0.1181	0.12811	1.0474427	0.005450883	4.885E-08	0.0034967	0.0452162	0.008547	0.019277	0.02006859	1.109362
3622	477363.09	3850877.25	0.0545	0.14596	0.01985	0.03831	0.05776	0.04047	0.1479	0.14596	1.00609142	0.006210373	4.761E-08	0.0035703	0.0479209	0.010073	0.024137	0.02286481	1.075138
3623	477863.09	3850877.25	0.05634	0.16504	0.02373	0.03164	0.04876	0.04118	0.1572	0.16504	1.04005854	0.007022197	5.691E-08	0.0029487	0.040454	0.01025	0.025664	0.02585372	1.100544
3624	478363.09	3850877.25	0.06686	0.20243	0.02188	0.02429	0.03352	0.02832	0.2041	0.20243	1.23426188	0.008613084	5.248E-08	0.0022637	0.02781	0.007049	0.03331	0.03171091	1.281597
3625	478863.09	3850877.25	0.09351	0.2907	0.02462	0.02587	0.03237	0.0277	0.2959	0.2907	1.72623135	0.012368837	5.905E-08	0.002411	0.0268559	0.006894	0.048296	0.04553851	1.777519
3626	479363.09	3850877.25	0.15281	0.48146	0.02221	0.03374	0.03892	0.02906	0.4932	0.48146	2.82093266	0.02048538	5.327E-08	0.0031444	0.0322902	0.007233	0.080501	0.0754213	2.889165
3627	479863.09	3850877.25	0.24449	1.13658	0.02482	0.02936	0.04555	0.02617	1.0863	1.13658	4.5133815	0.048359726	5.953E-08	0.0027362	0.0377908	0.006514	0.17732	0.17804664	4.608055
3628	480363.09	3850877.25	0.11875	0.38113	0.02611	0.02609	0.04774	0.04028	0.3774	0.38113	2.19217167	0.016216494	6.262E-08	0.0024315	0.0396077	0.010026	0.061606	0.05970448	2.262354
3629	480863.09	3850877.25	0.08343	0.23407	0.02428	0.03486	0.03753	0.02978	0.235	0.23407	1.54015059	0.009959317	5.823E-08	0.0032488	0.031137	0.007412	0.038359	0.03666735	1.593599
3630	481363.09	3850877.25	0.08715	0.17831	0.02157	0.02439	0.05172	0.03266	0.1769	0.17831	1.60882325	0.007586815	5.173E-08	0.002273	0.0429098	0.008129	0.028874	0.02793248	1.670663
3631	481863.09	3850877.25	0.1085	0.12549	0.03755	0.02835	0.04068	0.0425	0.1273	0.12549	2.00295265	0.005339406	9.006E-08	0.0026421	0.0337504	0.010578	0.020772	0.01965816	2.056377
3632	482363.09	3850877.25	0.11241	0.09154	0.03078	0.0317	0.04327	0.03333	0.0925	0.09154	2.07513278	0.003894886	7.382E-08	0.0029543	0.0358992	0.008296	0.01509	0.01433985	2.126928
3633	482863.09	3850877.25	0.09437	0.07286	0.02461	0.0299	0.04528	0.03153	0.0732	0.07286	1.74210729	0.003100081	5.902E-08	0.0027866	0.0375668	0.007848	0.011942	0.01141361	1.793937
3634	483363.09	3850877.25	0.08619	0.06037	0.02681	0.0314	0.03021	0.02038	0.0638	0.06037	1.59110128	0.00256865	6.43E-08	0.0029264	0.0250639	0.005073	0.010417	0.00945703	1.627693
3635	483863.09	3850877.25	0.07422	0.0543	0.0237	0.02024	0.03902	0.02433	0.0555	0.0543	1.37013037	0.002310381	5.684E-08	0.0018863	0.0323732	0.006056	0.009062	0.00850616	1.413312
3636	484363.09	3850877.25	0.0674	0.05864	0.03827	0.02822	0.04815	0.02908	0.0594	0.05864	1.24423049	0.002495042	9.178E-08	0.00263	0.0399479	0.007238	0.009697	0.00918603	1.297053
3637	484863.09	3850877.25	0.07895	0.05547	0.02873	0.0281	0.04971	0.02835	0.0563	0.05547	1.45744803	0.002360163	6.89E-08	0.0026188	0.0412422	0.007056	0.009188	0.00868944	1.511224
3638	485363.09	3850877.25	0.08781	0.05466	0.02245	0.03089	0.0521	0.02668	0.0552	0.05466	1.62100711	0.002325699	5.384E-08	0.0028788	0.043225	0.006641	0.009017	0.00856256	1.676531
3639	485863.09	3850877.25	0.05811	0.04978	0.04075	0.02916	0.07859	0.02245	0.0503	0.04978	1.07273344	0.002118062	9.773E-08	0.0027176	0.0652026	0.005588	0.008212	0.0077981	1.148773
3640	486363.09	3850877.25	0.0529	0.04672	0.02846	0.02671	0.12565	0.02158	0.0473	0.04672	0.97655479	0.001987864	6.826E-08	0.0024893	0.1042462	0.005371	0.007716	0.00731874	1.091046
3641	486863.09	3850877.25	0.04861	0.043	0.03154	0.02366	0.03281	0.01993	0.0435	0.043	0.89735971	0.001829584	7.564E-08	0.002205	0.027221	0.004961	0.007105	0.006736	0.933945
3642	487363.09	3850877.25	0.04287	0.04025	0.0275	0.02101	0.04089	0.02023	0.0408	0.04025	0.79139705	0.001712575	6.595E-08	0.001958	0.0339246	0.005035	0.006652	0.00630521	0.834374
3643	487863.09	3850877.25	0.04062	0.03506	0.02758	0.01938	0.05394	0.02128	0.0354	0.03506	0.74986117	0.001491749	6.615E-08	0.0018061	0.0447516	0.005297	0.005775	0.00549219	0.80349
3644	488363.09	3850877.25	0.03996	0.02978	0.01911	0.01847	0.04577	0.02277	0.0309	0.02978	0.73767731	0.001267093	4.583E-08	0.0017213	0.0379733	0.005667	0.005045	0.00466507	0.784687

3645	488863.09	3850877.25	0.03994	0.02868	0.02309	0.02326	0.05866	0.02096	0.0292	0.02868	0.7373081	0.00122029	5.538E-08	0.0021677	0.0486676	0.005217	0.004766	0.00449276	0.794854
3646	489363.09	3850877.25	0.03646	0.02701	0.02731	0.02458	0.04779	0.0204	0.0284	0.02701	0.67306593	0.001149234	6.55E-08	0.0022908	0.0396492	0.005077	0.004628	0.00423115	0.721629
3647	489863.09	3850877.25	0.03125	0.02621	0.02443	0.02515	0.07448	0.02014	0.0279	0.02621	0.57688728	0.001115195	5.859E-08	0.0023439	0.0617927	0.005013	0.004559	0.00410583	0.647605
3648	490363.09	3850877.25	0.03219	0.02596	0.024	0.02012	0.07727	0.01998	0.0275	0.02596	0.59424005	0.001104558	5.756E-08	0.0018751	0.0641075	0.004973	0.004492	0.00406667	0.666726
3649	490863.09	3850877.25	0.03076	0.02562	0.01475	0.02179	0.05483	0.01806	0.0265	0.02562	0.56784169	0.001090091	3.538E-08	0.0020307	0.04549	0.004495	0.004317	0.0040134	0.621252
3650	491363.09	3850877.25	0.03166	0.02399	0.01903	0.0201	0.04696	0.01734	0.0243	0.02399	0.58445604	0.001020737	4.564E-08	0.0018732	0.0389606	0.004316	0.00396	0.00375806	0.630828
3651	491863.09	3850877.25	0.02837	0.01822	0.01682	0.02092	0.03221	0.01561	0.0188	0.01822	0.52372135	0.000775233	4.034E-08	0.0019497	0.0267232	0.003885	0.003064	0.00285419	0.557264
3652	492363.09	3850877.25	0.03265	0.01673	0.0159	0.01945	0.04817	0.01527	0.017	0.01673	0.60273183	0.000711836	3.813E-08	0.0018127	0.0399645	0.003801	0.002777	0.00262077	0.649177
3653	492863.09	3850877.25	0.02438	0.01511	0.01711	0.01709	0.05253	0.01601	0.0157	0.01511	0.45006438	0.000642907	4.104E-08	0.0015927	0.0435818	0.003985	0.002568	0.002367	0.500067
3654	493363.09	3850877.25	0.02499	0.01474	0.01668	0.01684	0.05382	0.01648	0.0153	0.01474	0.46132522	0.000627164	4E-08	0.0015694	0.0446521	0.004102	0.002497	0.00230904	0.512464
3655	493863.09	3850877.25	0.02701	0.0146	0.01799	0.01792	0.0563	0.01506	0.0154	0.0146	0.49861522	0.000621207	4.315E-08	0.0016701	0.0467096	0.003748	0.002506	0.00228711	0.551583
3656	494363.09	3850877.25	0.02835	0.01462	0.01791	0.01556	0.05055	0.01454	0.0152	0.01462	0.52335214	0.000622058	4.295E-08	0.0014501	0.0419391	0.003619	0.002478	0.00229024	0.57117
3657	494863.09	3850877.25	0.03104	0.01528	0.01792	0.01709	0.04866	0.01528	0.0154	0.01528	0.5730106	0.00065014	4.298E-08	0.0015927	0.040371	0.003803	0.002517	0.00239363	0.619551
3658	495363.09	3850877.25	0.03201	0.01691	0.02138	0.01888	0.03162	0.01852	0.0174	0.01691	0.59091718	0.000719494	5.128E-08	0.0017595	0.0262337	0.00461	0.00284	0.00264897	0.624431
3659	495863.09	3850877.25	0.03169	0.01644	0.01938	0.01815	0.03157	0.01635	0.0172	0.01644	0.58500986	0.000699497	4.648E-08	0.0016915	0.0261922	0.004069	0.002801	0.00257535	0.617888
3660	496363.09	3850877.25	0.03231	0.0163	0.02155	0.01893	0.03534	0.01562	0.0173	0.0163	0.5964553	0.00069354	5.168E-08	0.0017642	0.02932	0.003888	0.002829	0.00255341	0.632396
3661	496863.09	3850877.25	0.03388	0.01616	0.02134	0.02768	0.044	0.01588	0.0173	0.01616	0.62543812	0.000687583	5.118E-08	0.0025797	0.0365048	0.003952	0.002829	0.00253148	0.66946
3662	497363.09	3850877.25	0.03394	0.01587	0.02159	0.02634	0.0426	0.01678	0.017	0.01587	0.62654574	0.000675244	5.178E-08	0.0024548	0.0353433	0.004176	0.002777	0.00248605	0.669486
3663	497863.09	3850877.25	0.03335	0.01539	0.02177	0.02068	0.04224	0.0157	0.0161	0.01539	0.61565411	0.000654821	5.221E-08	0.0019273	0.0350446	0.003908	0.002626	0.00241086	0.657404
3664	498363.09	3850877.25	0.03303	0.0149	0.01989	0.01867	0.04347	0.01541	0.0151	0.0149	0.60974678	0.000633972	4.77E-08	0.00174	0.0360651	0.003835	0.002466	0.0023341	0.652154
3665	471363.09	3851377.25	0.06451	0.04156	0.03497	0.03933	0.04189	0.03979	0.0412	0.04156	1.19087996	0.001768314	8.387E-08	0.0036654	0.0347543	0.009904	0.00673	0.00651042	1.241191
3666	471863.09	3851377.25	0.0651	0.05046	0.03984	0.0412	0.04529	0.04371	0.0498	0.05046	1.20177159	0.002146995	9.555E-08	0.0038397	0.0375751	0.010879	0.008124	0.00790462	1.256432
3667	472363.09	3851377.25	0.05491	0.05027	0.03985	0.04177	0.04827	0.04208	0.0507	0.05027	1.01366018	0.002138911	9.557E-08	0.0038928	0.0400475	0.010474	0.008279	0.00787486	1.070617
3668	472863.09	3851377.25	0.05226	0.05488	0.03949	0.04094	0.05364	0.04063	0.0565	0.05488	0.96474014	0.002335059	9.471E-08	0.0038154	0.0445027	0.010113	0.009214	0.00859702	1.026123
3669	473363.09	3851377.25	0.05683	0.04913	0.03558	0.03804	0.06934	0.03343	0.0501	0.04913	1.04910414	0.002090406	8.533E-08	0.0035452	0.0575283	0.008321	0.008174	0.00769627	1.121067
3670	473863.09	3851377.25	0.05258	0.05182	0.02891	0.0421	0.06874	0.03509	0.0525	0.05182	0.97064747	0.002204861	6.934E-08	0.0039235	0.0570305	0.008734	0.008565	0.00811767	1.042987
3671	474363.09	3851377.25	0.04939	0.06153	0.04581	0.04489	0.066	0.03976	0.068	0.06153	0.91175881	0.002618007	1.099E-07	0.0041836	0.0547573	0.009896	0.0111	0.00963875	0.984675
3672	474863.09	3851377.25	0.0532	0.07755	0.04294	0.04787	0.06657	0.03982	0.0769	0.07755	0.98209291	0.003299633	1.03E-07	0.0044613	0.0552302	0.009911	0.012546	0.0121483	1.055393
3673	475363.09	3851377.25	0.05941	0.08186	0.05215	0.04885	0.06031	0.04173	0.0827	0.08186	1.09673195	0.003483017	1.251E-07	0.0045526	0.0500365	0.010386	0.013499	0.01282347	1.165866
3674	475863.09	3851377.25	0.05184	0.08712	0.04144	0.04254	0.04811	0.04106	0.088	0.08712	0.95698678	0.003706822	9.939E-08	0.0039646	0.0399147	0.01022	0.014367	0.01364745	1.015513
3675	476363.09	3851377.25	0.04872	0.0935	0.03871	0.04584	0.04904	0.0413	0.0934	0.0935	0.89939035	0.003978281	9.284E-08	0.0042721	0.0406863	0.010279	0.015241	0.01464689	0.9592
3676	476863.09	3851377.25	0.05647	0.09995	0.03256	0.04021	0.04053	0.04204	0.0999	0.09995	1.0424584	0.004252718	7.809E-08	0.0037474	0.0336259	0.010464	0.016302	0.01565729	1.095192
3677	477363.09	3851377.25	0.06042	0.11313	0.02466	0.04024	0.06958	0.04046	0.1082	0.11313	1.11537695	0.004813507	5.914E-08	0.0037502	0.0577274	0.01007	0.017663	0.01772195	1.19168
3678	477863.09	3851377.25	0.05152	0.13133	0.02458	0.03871	0.06068	0.04202	0.1322	0.13133	0.95107945	0.005587889	5.895E-08	0.0036076	0.0503435	0.010459	0.021574	0.020573	1.022078
3679	478363.09	3851377.25	0.05584	0.14657	0.02297	0.04025	0.05707	0.04264	0.1347	0.14657	1.03082835	0.006236327	5.509E-08	0.0037511	0.0473484	0.010613	0.021987	0.02296037	1.097804
3680	478863.09	3851377.25	0.05346	0.16583	0.03046	0.03179	0.05492	0.04474	0.1612	0.16583	0.98689261	0.007055811	7.305E-08	0.0029627	0.0455647	0.011136	0.026319	0.02597747	1.053953
3681	479363.09	3851377.25	0.07288	0.20583	0.02611	0.02907	0.03138	0.03265	0.2087	0.20583	1.34539345	0.008757749	6.262E-08	0.0027092	0.0260346	0.008126	0.034063	0.03224352	1.392841
3682	479863.09	3851377.25	0.09039	0.2702	0.02411	0.03364	0.03904	0.03748	0.2747	0.2702	1.66863493	0.011496593	5.782E-08	0.0031351	0.0323897	0.009329	0.044842	0.04232716	1.7275
3683	480363.09	3851377.25	0.11452	0.481	0.02705	0.03372	0.05424	0.03084	0.4881	0.481	2.11408421	0.020465808	6.488E-08	0.0031426	0.0450005	0.007676	0.079665	0.07534924	2.194685
3684	480863.09	3851377.25	0.23369	1.18434	0.03083	0.03225	0.04982	0.04815	1.2052	1.18434	4.31400925	0.05039184	7.394E-08	0.0030056	0.0413334	0.011984	0.196728	0.1855283	4.431924
3685	481363.09	3851377.25	0.09563	0.36197	0.02525	0.03694	0.04614	0.03335	0.3457	0.36197	1.76536739	0.015401265	6.056E-08	0.0034427	0.0382803	0.008301	0.056425	0.05670304	1.830514
3686	481863.09	3851377.25	0.12164	0.20169	0.03593	0.03244	0.05539	0.057	0.2036	0.20169	2.24552221	0.008581598	8.617E-08	0.0030233	0.0459546	0.014187	0.033228	0.03159498	2.318902
3687	482363.09	3851377.25	0.1214	0.16237	0.05513	0.03376	0.04309	0.05653	0.1532	0.16237	2.24109172	0.006908593	1.322E-07	0.0031463	0.0357498	0.01407	0.025012	0.02543546	2.300543
3688	482863.09	3851377.25	0.10666	0.11353	0.0326	0.0451	0.04792	0.03951	0.1143	0.11353	1.96898552	0.004830526	7.819E-08	0.0042031	0.0397571	0.009834	0.018662	0.01778461	2.028488
3689	483363.09	3851377.25	0.09916	0.0807	0.03245	0.03957	0.04886	0.03406	0.0822	0.0807	1.83053257	0.003433661	7.783E-08	0.0036878	0.040537	0.008477	0.013417	0.01264175	1.887444
3690	483863.09	3851377.25	0.09909	0.06691	0.02967	0.03398	0.03433	0.02776	0.0675	0.06691	1.82924035	0.002846917	7.116E-08	0.0031668	0.0284821	0.006909	0.011024	0.01048153	1.871188
3691	484363.09	3851377.25	0.10809	0.06897	0.03371	0.04091	0.04733	0.03394	0.0693	0.06897	1.99538388	0.002934567	8.085E-08	0.0038126	0.0392676	0.008448	0.011318	0.01080423	2.05036
3692	484863.09	3851377.25	0.06863	0.06026	0.03008	0.0306	0.05664	0.02878	0.0606	0.06026	1.26693677	0.00256397	7.214E-08	0.0028518	0.0469917	0.007163	0.009885	0.0094398	1.326953
3693	485363.09	3851377.25	0.09421	0.06439	0.03471	0.03521	0.05445	0.02978	0.0648	0.06439	1.73915363	0.002739695	8.325E-08	0.0032814	0.0451747	0.007412	0.010569	0.01008677	1.798244
3694	485863.09	3851377.25	0.06646	0.05072	0.03463	0.03219	0.07935	0.02309	0.0513	0.05072	1.22687772	0.002158058	8.305E-08	0.003	0.0658332	0.005747	0.008374	0.00794535	1.304044
3695	486363.09	3851377.25	0.06612	0.05008	0.03674	0.03374	0.18781	0.02685	0.0507	0.05008	1.22060119	0.002130827	8.811E-08	0.0031444	0.1558176	0.006683	0.008268	0.00784509	1.388799
3696	486863.09	3851377.25	0.06089	0.0467	0.03319	0.0257	0.06766	0.02239	0.0472	0.0467	1.12405333	0.001987013	7.96E-08	0.0023951	0.0561345	0.005573	0.007711	0.00731561	1.190538
3697	487363.09	3851377.25	0.0456	0.04109	0.02809	0.02197	0.04299	0.02104	0.0416	0.04109	0.84179392	0.001748316	6.737E-08	0.0020475	0.0356669	0.005237	0.006784	0.0064368	0.88684
3698	487863.09	3851377.25	0.05354	0.04091	0.02749	0.02311	0.05677	0.02351	0.0413	0.04091	0.98836944	0.001740657	6.593E-08	0.0021538	0.0470995	0.005852	0.00674	0.0064086	1.045546
3699	488363.09	3851377.25	0.0508	0.04136	0.02495	0.02511	0.05385	0.02351	0.0418	0.04136	0.93778797	0.001759804	5.984E-08	0.0023401	0.0446769	0.005852	0.006818	0.00647909	0.992755
3700	488863.09	3851377.25	0.04467	0.03876	0.03305	0.02881	0.06202	0.02293	0.0394	0.03876	0.82462576	0.001649178	7.927E-08	0.002685	0.0514552	0.005707	0.006438	0.0060718	0.886488
3701	489363.09	3851377.25	0.04129	0.03679	0.02923	0.02854	0.06816	0.02114	0.0371	0.03679	0.76222963	0.001565358	7.01E-08	0.0026598	0.0565493	0.005262	0.006051	0.0057632	0.828554

3702	489863.09	3851377.25	0.03795	0.0324	0.02724	0.0292	0.09898	0.02173	0.0327	0.0324	0.70057192	0.00137857	6.533E-08	0.0027213	0.0821193	0.005409	0.005329	0.0050755	0.792454
3703	490363.09	3851377.25	0.03714	0.02894	0.02222	0.02189	0.06957	0.02146	0.0292	0.02894	0.685619	0.001231352	5.329E-08	0.0020401	0.0577191	0.005341	0.004758	0.00453349	0.752176
3704	490863.09	3851377.25	0.03616	0.02496	0.02074	0.02191	0.05654	0.01862	0.0263	0.02496	0.66752781	0.00106201	4.974E-08	0.0020419	0.0469087	0.004634	0.004296	0.00391001	0.722561
3705	491363.09	3851377.25	0.03334	0.02351	0.02104	0.02175	0.05058	0.01856	0.0246	0.02351	0.6154695	0.001000314	5.046E-08	0.002027	0.041964	0.00462	0.004007	0.00368287	0.665405
3706	491863.09	3851377.25	0.03419	0.02166	0.02203	0.02111	0.0547	0.01721	0.0218	0.02166	0.63116084	0.0009216	5.284E-08	0.0019674	0.0453821	0.004284	0.003562	0.00339307	0.683884
3707	492363.09	3851377.25	0.03433	0.01878	0.02469	0.02032	0.06048	0.01748	0.019	0.01878	0.63374529	0.00079906	5.921E-08	0.0018937	0.0501776	0.004351	0.003096	0.00294191	0.691121
3708	492863.09	3851377.25	0.03257	0.01801	0.0208	0.02072	0.06921	0.01721	0.0182	0.01801	0.601255	0.000766298	4.989E-08	0.001931	0.0574204	0.004284	0.002967	0.00282129	0.665803
3709	493363.09	3851377.25	0.02793	0.01523	0.01773	0.01683	0.05867	0.01597	0.0154	0.01523	0.51559878	0.000648013	4.252E-08	0.0015685	0.0486759	0.003975	0.002509	0.0023858	0.570589
3710	493863.09	3851377.25	0.02867	0.01524	0.02022	0.01696	0.05165	0.01622	0.0155	0.01524	0.52925947	0.000648438	4.849E-08	0.0015806	0.0428517	0.004037	0.002532	0.00238736	0.578522
3711	494363.09	3851377.25	0.03348	0.01676	0.02342	0.0172	0.05427	0.01691	0.0177	0.01676	0.61805396	0.000713112	5.617E-08	0.001603	0.0450254	0.004209	0.002894	0.00262547	0.669873
3712	494863.09	3851377.25	0.03311	0.0173	0.02233	0.01794	0.03294	0.01851	0.0177	0.0173	0.61122361	0.000736088	5.355E-08	0.0016719	0.0273288	0.004607	0.002886	0.00271007	0.645743
3713	495363.09	3851377.25	0.03755	0.02141	0.02415	0.0231	0.03883	0.01914	0.0216	0.02141	0.69318776	0.000910962	5.792E-08	0.0021528	0.0322155	0.004764	0.003522	0.0033539	0.7334
3714	495863.09	3851377.25	0.03857	0.01991	0.02432	0.02425	0.03698	0.01875	0.0208	0.01991	0.71201736	0.00084714	5.833E-08	0.00226	0.0306807	0.004667	0.003389	0.00311893	0.750742
3715	496363.09	3851377.25	0.0386	0.01931	0.02295	0.03156	0.0444	0.01794	0.0209	0.01931	0.71257117	0.000821611	5.504E-08	0.0029413	0.0368367	0.004465	0.003413	0.00302494	0.758024
3716	496863.09	3851377.25	0.03779	0.01886	0.02295	0.03103	0.04867	0.01856	0.0201	0.01886	0.69761825	0.000802464	5.504E-08	0.0028919	0.0403793	0.00462	0.003281	0.00295444	0.746638
3717	497363.09	3851377.25	0.03698	0.01853	0.02605	0.02634	0.05311	0.01849	0.0192	0.01853	0.68266533	0.000788423	6.248E-08	0.0024548	0.044063	0.004602	0.003127	0.00290275	0.734798
3718	497863.09	3851377.25	0.0358	0.01788	0.02269	0.02191	0.04982	0.01729	0.0184	0.01788	0.66088207	0.000760766	5.442E-08	0.0020419	0.0413334	0.004303	0.002999	0.00280092	0.709519
3719	498363.09	3851377.25	0.03345	0.01581	0.02118	0.01905	0.04966	0.01619	0.0164	0.01581	0.61750015	0.000672691	5.08E-08	0.0017754	0.0412007	0.00403	0.00268	0.00247666	0.665382
3720	471363.09	3851877.25	0.06564	0.04233	0.03143	0.04028	0.0583	0.03685	0.0441	0.04233	1.2117402	0.001801076	7.538E-08	0.0037539	0.0483689	0.009172	0.00719	0.00663105	1.275395
3721	471863.09	3851877.25	0.06717	0.04111	0.03185	0.04181	0.05527	0.03896	0.0433	0.04111	1.2399846	0.001749167	7.639E-08	0.0038965	0.0458551	0.009697	0.007063	0.00643993	1.301805
3722	472363.09	3851877.25	0.07109	0.04577	0.04061	0.04604	0.05897	0.04546	0.0473	0.04577	1.31234934	0.001947443	9.74E-08	0.0042907	0.0489248	0.011315	0.007721	0.00716993	1.379378
3723	472863.09	3851877.25	0.07436	0.04973	0.04362	0.04597	0.04711	0.04551	0.0538	0.04973	1.37271483	0.002115935	1.046E-07	0.0042842	0.0390851	0.011327	0.008782	0.00779027	1.430519
3724	473363.09	3851877.25	0.07143	0.04413	0.04005	0.04523	0.05094	0.04377	0.0477	0.04413	1.31862588	0.001877663	9.605E-08	0.0042152	0.0422626	0.010894	0.007789	0.00691302	1.378752
3725	473863.09	3851877.25	0.064	0.04599	0.04187	0.04378	0.0581	0.04232	0.0479	0.04599	1.18146515	0.001956804	1.004E-07	0.0040801	0.048203	0.010533	0.007814	0.00720439	1.246848
3726	474363.09	3851877.25	0.06746	0.05317	0.04536	0.04325	0.06718	0.04395	0.0547	0.05317	1.24533811	0.002262301	1.088E-07	0.0040307	0.0557362	0.010939	0.008925	0.00832915	1.318903
3727	474863.09	3851877.25	0.06564	0.05983	0.04121	0.04603	0.08518	0.04383	0.0663	0.05983	1.2117402	0.002545674	9.884E-08	0.0042898	0.07067	0.010909	0.010817	0.00937244	1.3016
3728	475363.09	3851877.25	0.06118	0.06336	0.05038	0.04877	0.07407	0.04321	0.0719	0.06336	1.12940685	0.00269587	1.208E-07	0.0045452	0.0614526	0.010755	0.011741	0.00992542	1.210671
3729	475863.09	3851877.25	0.06022	0.0744	0.06022	0.05128	0.0716	0.04479	0.077	0.0744	1.11168487	0.003165605	1.444E-07	0.0047791	0.0594033	0.011148	0.012572	0.01165485	1.191098
3730	476363.09	3851877.25	0.06753	0.07434	0.0581	0.0546	0.0692	0.04615	0.0762	0.07434	1.24663034	0.003163052	1.393E-07	0.0050885	0.0574122	0.011487	0.01243	0.01164545	1.324565
3731	476863.09	3851877.25	0.06002	0.07984	0.05025	0.05626	0.0523	0.04942	0.0815	0.07984	1.10799279	0.003397069	1.205E-07	0.0052432	0.043391	0.0123	0.013298	0.01250703	1.173116
3732	477363.09	3851877.25	0.05576	0.08478	0.04257	0.05136	0.05009	0.04771	0.0871	0.08478	1.02935152	0.003607258	1.021E-07	0.0047865	0.0415574	0.011875	0.014209	0.01328089	1.092106
3733	477863.09	3851877.25	0.06263	0.09195	0.03375	0.05366	0.04506	0.04884	0.0906	0.09195	1.15617442	0.003912331	8.094E-08	0.0050009	0.0373843	0.012156	0.01478	0.01440408	1.215004
3734	478363.09	3851877.25	0.06539	0.10631	0.02392	0.05442	0.07315	0.04344	0.108	0.10631	1.2071251	0.004523327	5.737E-08	0.0050717	0.0606893	0.010812	0.017629	0.01665359	1.289197
3735	478863.09	3851877.25	0.06303	0.11864	0.02667	0.04773	0.06485	0.04389	0.1193	0.11864	1.16355857	0.005047949	6.396E-08	0.0044482	0.0538031	0.010924	0.019475	0.0185851	1.238672
3736	479363.09	3851877.25	0.0599	0.13324	0.03394	0.04243	0.05866	0.05324	0.1358	0.13324	1.10577754	0.005669156	8.14E-08	0.0039543	0.0486676	0.013251	0.022166	0.02087221	1.178614
3737	479863.09	3851877.25	0.08866	0.15376	0.02809	0.03257	0.04248	0.04703	0.1614	0.15376	1.63669845	0.006542251	6.737E-08	0.0030354	0.0352438	0.011706	0.026345	0.02408669	1.695484
3738	480363.09	3851877.25	0.07139	0.19701	0.02624	0.03354	0.03895	0.04757	0.2013	0.19701	1.31788746	0.008382472	6.293E-08	0.0031258	0.0323151	0.01184	0.032858	0.03086186	1.375547
3739	480863.09	3851877.25	0.09795	0.27729	0.03179	0.03722	0.05508	0.03776	0.2796	0.27729	1.8081955	0.011798262	7.624E-08	0.0034688	0.0456974	0.009398	0.045631	0.04343782	1.880751
3740	481363.09	3851877.25	0.13424	0.67463	0.03389	0.04038	0.0549	0.07059	0.6831	0.67463	2.47812316	0.028704466	8.128E-08	0.0037632	0.0455481	0.01757	0.111508	0.10568161	2.579535
3741	481863.09	3851877.25	0.10636	0.37887	0.02807	0.04941	0.05622	0.05668	0.3783	0.37887	1.9634474	0.016120334	6.732E-08	0.0046048	0.0466432	0.014107	0.061751	0.05935045	2.047324
3742	482363.09	3851877.25	0.14355	0.18727	0.05078	0.03516	0.05946	0.06023	0.1914	0.18727	2.64998942	0.00796805	1.218E-07	0.0032768	0.0493313	0.014991	0.031242	0.02933607	2.727463
3743	482863.09	3851877.25	0.1127	0.13558	0.0295	0.04085	0.04561	0.05083	0.1301	0.13558	2.0804863	0.00576872	7.075E-08	0.0038071	0.0378406	0.012651	0.021243	0.02123877	2.140558
3744	483363.09	3851877.25	0.12171	0.10682	0.04271	0.05537	0.05271	0.04393	0.1153	0.10682	2.24681444	0.004545026	1.024E-07	0.0051603	0.0437311	0.010934	0.018814	0.01673348	2.313265
3745	483863.09	3851877.25	0.11918	0.09297	0.03339	0.04783	0.04786	0.04697	0.0955	0.09297	2.20010964	0.00395573	8.008E-08	0.0044576	0.0397073	0.011691	0.015593	0.01456386	2.26095
3746	484363.09	3851877.25	0.13946	0.09512	0.02573	0.04941	0.04212	0.04957	0.0954	0.09512	2.57448641	0.004047209	6.171E-08	0.0046048	0.0349451	0.012338	0.015567	0.01490066	2.631088
3747	484863.09	3851877.25	0.10857	0.08309	0.03288	0.04083	0.05384	0.03655	0.0837	0.08309	2.00424487	0.003535351	7.886E-08	0.0038052	0.0446686	0.009097	0.013667	0.01301615	2.066002
3748	485363.09	3851877.25	0.09918	0.07697	0.04562	0.04535	0.05683	0.03647	0.0787	0.07697	1.83090178	0.003274955	1.094E-07	0.0042264	0.0471493	0.009077	0.012843	0.01205744	1.895415
3749	485863.09	3851877.25	0.0792	0.06406	0.04478	0.03848	0.07057	0.0344	0.0647	0.06406	1.46206313	0.002725654	1.074E-07	0.0035862	0.0585488	0.008562	0.010558	0.01003508	1.536008
3750	486363.09	3851877.25	0.07414	0.0595	0.03767	0.03202	0.20332	0.03139	0.0602	0.0595	1.36865354	0.002531633	9.035E-08	0.0029841	0.1686855	0.007813	0.00983	0.00932075	1.551177
3751	486863.09	3851877.25	0.0675	0.05113	0.02833	0.02937	0.1025	0.03032	0.0517	0.05113	1.24607653	0.002175503	6.794E-08	0.0027372	0.0850397	0.007547	0.008441	0.00800958	1.344006
3752	487363.09	3851877.25	0.0682	0.04532	0.0343	0.03264	0.05522	0.02462	0.0458	0.04532	1.25899881	0.001928296	8.226E-08	0.0030419	0.0458136	0.006128	0.007479	0.00709943	1.31629
3753	487863.09	3851877.25	0.05356	0.04017	0.02662	0.02568	0.05995	0.02513	0.0407	0.04017	0.98873865	0.001709172	6.384E-08	0.0023933	0.0497378	0.006255	0.00665	0.00629268	1.049191
3754	488363.09	3851877.25	0.04918	0.03817	0.03458	0.02557	0.06071	0.02375	0.0386	0.03817	0.90788213	0.001624075	8.293E-08	0.002383	0.0503684	0.005911	0.006299	0.00597938	0.968489
3755	488863.09	3851877.25	0.04145	0.03449	0.0322	0.02874	0.06337	0.02232	0.0349	0.03449	0.76518329	0.001467496	7.723E-08	0.0026784	0.0525753	0.005555	0.005693	0.0054029	0.82775
3756	489363.09	3851877.25	0.03959	0.03124	0.02817	0.02752	0.07637	0.02177	0.0315	0.03124	0.73084696	0.001329214	6.756E-08	0.0025648	0.0633608	0.005418	0.005138	0.00489378	0.803765
3757	489863.09	3851877.25	0.03826	0.03015	0.02848	0.02645	0.08725	0.02056	0.0304	0.03015	0.70629464	0.001282836	6.83E-08	0.002465	0.0723874	0.005117	0.004957	0.00472303	0.787782
3758	490363.09	3851877.25	0.03803	0.02977	0.02415	0.02158	0.06387	0.01939	0.03	0.02977	0.70204875	0.001266668	5.792E-08	0.0020112	0.0529901	0.004826	0.004895	0.00466351	0.763375

3759	490863.09	3851877.25	0.0389	0.02849	0.02659	0.02199	0.05552	0.01917	0.0288	0.02849	0.71810929	0.001212206	6.377E-08	0.0020494	0.0460625	0.004771	0.004696	0.00446299	0.772438
3760	491363.09	3851877.25	0.04049	0.02688	0.02912	0.02214	0.05063	0.01937	0.0273	0.02688	0.74746131	0.001143703	6.984E-08	0.0020634	0.0420055	0.004821	0.004456	0.00421078	0.79774
3761	491863.09	3851877.25	0.04162	0.02371	0.02701	0.02309	0.05863	0.0194	0.0251	0.02371	0.76832156	0.001008824	6.478E-08	0.0021519	0.0486427	0.004829	0.004095	0.0037142	0.825335
3762	492363.09	3851877.25	0.03835	0.02282	0.02408	0.02369	0.0843	0.01905	0.0231	0.02282	0.70795607	0.000970956	5.775E-08	0.0022078	0.0699399	0.004741	0.003762	0.00357478	0.786004
3763	492863.09	3851877.25	0.03146	0.01818	0.02607	0.01802	0.06399	0.01731	0.0188	0.01818	0.58076397	0.000773531	6.252E-08	0.0016794	0.0530896	0.004308	0.003069	0.00284792	0.640836
3764	493363.09	3851877.25	0.0357	0.02092	0.02777	0.02317	0.06922	0.01899	0.0219	0.02092	0.65903603	0.000890114	6.66E-08	0.0021593	0.0574287	0.004727	0.00358	0.00327714	0.724543
3765	493863.09	3851877.25	0.04301	0.02314	0.03102	0.01997	0.07093	0.02338	0.0252	0.02314	0.7939815	0.000984571	7.44E-08	0.0018611	0.0588475	0.005819	0.00411	0.00362491	0.861979
3766	494363.09	3851877.25	0.03995	0.02106	0.02493	0.01945	0.04172	0.02193	0.0233	0.02106	0.7374927	0.000896071	5.979E-08	0.0018127	0.0346132	0.005458	0.003802	0.00329907	0.780776
3767	494863.09	3851877.25	0.04338	0.02312	0.02638	0.02564	0.04375	0.02242	0.0246	0.02312	0.80081185	0.00098372	6.327E-08	0.0023895	0.0362974	0.00558	0.004011	0.00362178	0.846452
3768	495363.09	3851877.25	0.04457	0.02344	0.02889	0.02899	0.04831	0.02302	0.0249	0.02344	0.82277972	0.000997336	6.929E-08	0.0027017	0.0400807	0.00573	0.004066	0.0036719	0.872683
3769	495863.09	3851877.25	0.0443	0.02346	0.02878	0.03459	0.05963	0.02057	0.0247	0.02346	0.81779541	0.000998187	6.902E-08	0.0032236	0.0494723	0.00512	0.004035	0.00367504	0.876969
3770	496363.09	3851877.25	0.04208	0.02316	0.02802	0.03633	0.06751	0.02009	0.0241	0.02316	0.77681334	0.000985422	6.72E-08	0.0033858	0.05601	0.005	0.003935	0.00362804	0.842502
3771	496863.09	3851877.25	0.03977	0.02211	0.02758	0.0321	0.06796	0.02009	0.0226	0.02211	0.73416983	0.000940746	6.615E-08	0.0029916	0.0563834	0.005	0.003691	0.00346356	0.799713
3772	497363.09	3851877.25	0.03896	0.0212	0.02748	0.02535	0.06422	0.01981	0.0216	0.0212	0.71921691	0.000902027	6.591E-08	0.0023625	0.0532805	0.004931	0.003531	0.00332101	0.780902
3773	497863.09	3851877.25	0.03652	0.017	0.02249	0.02107	0.063	0.0186	0.0182	0.017	0.67417355	0.000723324	5.394E-08	0.0019636	0.0522683	0.004629	0.002972	0.00266307	0.734068
3774	498363.09	3851877.25	0.03392	0.01516	0.02184	0.01778	0.06351	0.01799	0.0163	0.01516	0.62617653	0.000645035	5.238E-08	0.001657	0.0526914	0.004478	0.002657	0.00237483	0.68593
3775	471363.09	3852377.25	0.06375	0.03684	0.02802	0.03463	0.0386	0.03275	0.0407	0.03684	1.17685006	0.001567485	6.72E-08	0.0032274	0.0320247	0.008151	0.006639	0.00577103	1.222689
3776	471863.09	3852377.25	0.06747	0.04001	0.02757	0.04035	0.04789	0.03914	0.0437	0.04001	1.24552272	0.001702364	6.612E-08	0.0037605	0.0397322	0.009742	0.00713	0.00626762	1.301322
3777	472363.09	3852377.25	0.07053	0.04124	0.03522	0.04472	0.05239	0.03757	0.0435	0.04124	1.30201152	0.001754698	8.447E-08	0.0041677	0.0434656	0.009351	0.007092	0.0064603	1.361383
3778	472863.09	3852377.25	0.07245	0.04246	0.04158	0.04592	0.06427	0.04132	0.0437	0.04246	1.33745548	0.001806608	9.972E-08	0.0042796	0.0533219	0.010284	0.00713	0.00665141	1.407627
3779	473363.09	3852377.25	0.07653	0.04327	0.04349	0.04657	0.06606	0.04826	0.0483	0.04327	1.41277388	0.001841072	1.043E-07	0.0043401	0.054807	0.012012	0.007884	0.0067783	1.48688
3780	473863.09	3852377.25	0.07866	0.04439	0.04906	0.04672	0.06586	0.04517	0.049	0.04439	1.45209452	0.001888726	1.177E-07	0.0043541	0.0546411	0.011243	0.007993	0.00695375	1.525261
3781	474363.09	3852377.25	0.07921	0.04353	0.04602	0.04639	0.05323	0.04536	0.0554	0.04353	1.46224773	0.001852134	1.104E-07	0.0043234	0.0441626	0.01129	0.009041	0.00681903	1.526098
3782	474863.09	3852377.25	0.08099	0.05468	0.05447	0.0501	0.06557	0.04811	0.0703	0.05468	1.49510723	0.00232655	1.306E-07	0.0046691	0.0544005	0.011974	0.01148	0.00856569	1.571392
3783	475363.09	3852377.25	0.0783	0.05553	0.05295	0.0496	0.07123	0.04878	0.073	0.05553	1.44544878	0.002362716	1.27E-07	0.0046225	0.0590964	0.012141	0.011916	0.00869884	1.526889
3784	475863.09	3852377.25	0.06847	0.05552	0.05413	0.05236	0.10433	0.04839	0.0686	0.05552	1.26398311	0.00236229	1.298E-07	0.0048797	0.0865579	0.012044	0.011204	0.00869728	1.372334
3785	476363.09	3852377.25	0.06696	0.05207	0.05551	0.05344	0.09604	0.04685	0.0572	0.05207	1.23610792	0.002215498	1.331E-07	0.0049804	0.0796801	0.011661	0.00934	0.00815683	1.335828
3786	476863.09	3852377.25	0.07001	0.06308	0.06164	0.05341	0.0777	0.04683	0.0633	0.06308	1.29241212	0.002683957	1.478E-07	0.0049776	0.0644642	0.011656	0.010334	0.00988156	1.376646
3787	477363.09	3852377.25	0.07619	0.06255	0.06645	0.05543	0.07527	0.04764	0.0708	0.06255	1.40649735	0.002661406	1.594E-07	0.0051658	0.0624482	0.011857	0.011557	0.00979853	1.490388
3788	477863.09	3852377.25	0.06818	0.05829	0.04097	0.05767	0.06192	0.04539	0.0588	0.05829	1.2586296	0.00248015	9.826E-08	0.0053746	0.0513723	0.011297	0.009595	0.0091312	1.329618
3789	478363.09	3852377.25	0.06443	0.05239	0.04521	0.05582	0.04873	0.04419	0.052	0.05239	1.18940312	0.002229114	1.084E-07	0.0052022	0.0404291	0.010999	0.008481	0.00820696	1.248537
3790	478863.09	3852377.25	0.07	0.06831	0.0343	0.06414	0.05058	0.05329	0.0658	0.06831	1.29222751	0.002906485	8.226E-08	0.0059776	0.041964	0.013264	0.010734	0.01070084	1.356372
3791	479363.09	3852377.25	0.07037	0.08377	0.02434	0.05986	0.07714	0.05658	0.0845	0.08377	1.29905786	0.003564284	5.838E-08	0.0055787	0.0639996	0.014083	0.013796	0.01312267	1.386957
3792	479863.09	3852377.25	0.0795	0.09988	0.03707	0.0544	0.06677	0.06203	0.1134	0.09988	1.46760125	0.00424974	8.891E-08	0.0050699	0.0553961	0.015439	0.018502	0.01564632	1.550612
3793	480363.09	3852377.25	0.09536	0.14972	0.03064	0.04506	0.0674	0.06057	0.1496	0.14972	1.76038308	0.006370355	7.349E-08	0.0041994	0.0559188	0.015076	0.024421	0.02345382	1.842914
3794	480863.09	3852377.25	0.084	0.17688	0.03413	0.03729	0.03821	0.05088	0.1822	0.17688	1.55067302	0.007525971	8.186E-08	0.0034753	0.0317011	0.012664	0.029742	0.02770847	1.608073
3795	481363.09	3852377.25	0.11188	0.26427	0.03765	0.05367	0.05414	0.0814	0.2665	0.26427	2.06534877	0.011244281	9.03E-08	0.0050018	0.0449175	0.02026	0.043494	0.04139822	2.148868
3796	481863.09	3852377.25	0.1591	0.76197	0.03391	0.05194	0.06581	0.08134	0.7665	0.76197	2.93704853	0.032420648	8.133E-08	0.0048406	0.0545996	0.020245	0.125118	0.11936353	3.054909
3797	482363.09	3852377.25	0.19843	0.36362	0.05409	0.05942	0.06466	0.11311	0.36	0.36362	3.66309579	0.01547147	1.297E-07	0.0055377	0.0536455	0.028153	0.058759	0.05696152	3.767701
3798	482863.09	3852377.25	0.1331	0.1574	0.03983	0.08408	0.06709	0.08531	0.161	0.1574	2.45707831	0.006697127	9.553E-08	0.0078359	0.0556616	0.021233	0.02628	0.0246569	2.550129
3799	483363.09	3852377.25	0.14138	0.12786	0.05697	0.08516	0.05117	0.06774	0.1307	0.12786	2.60993037	0.005440246	1.366E-07	0.0079366	0.0424535	0.01686	0.021341	0.02002942	2.683932
3800	483863.09	3852377.25	0.12757	0.10929	0.05072	0.05465	0.0562	0.05139	0.1152	0.10929	2.35499234	0.004650121	1.216E-07	0.0050932	0.0466266	0.012791	0.018807	0.01712041	2.42584
3801	484363.09	3852377.25	0.16192	0.1083	0.0282	0.05321	0.05639	0.06342	0.1178	0.1083	2.98910684	0.004607998	6.763E-08	0.004959	0.0467843	0.015785	0.019223	0.01696533	3.063501
3802	484863.09	3852377.25	0.1511	0.09462	0.03661	0.06732	0.05229	0.05466	0.1029	0.09462	2.78936539	0.004025935	8.78E-08	0.0062739	0.0433827	0.013605	0.016803	0.01482234	2.858633
3803	485363.09	3852377.25	0.10871	0.09306	0.05865	0.06436	0.09096	0.05578	0.0963	0.09306	2.00682933	0.003959559	1.407E-07	0.0059981	0.0754655	0.013883	0.015714	0.01457796	2.107272
3804	485863.09	3852377.25	0.09707	0.08275	0.06094	0.04945	0.07764	0.04639	0.0837	0.08275	1.79195035	0.003520885	1.462E-07	0.0046085	0.0644144	0.011546	0.013656	0.01296289	1.876733
3805	486363.09	3852377.25	0.09247	0.06524	0.02968	0.03791	0.16998	0.03598	0.0669	0.06524	1.70703254	0.002775861	7.118E-08	0.0035331	0.1410248	0.008955	0.01092	0.01021993	1.864022
3806	486863.09	3852377.25	0.09567	0.05557	0.03769	0.03705	0.135	0.02957	0.057	0.05557	1.7661058	0.002364418	9.039E-08	0.0034529	0.1120035	0.00736	0.009304	0.00870511	1.891885
3807	487363.09	3852377.25	0.06677	0.05221	0.05184	0.03594	0.06071	0.02551	0.0528	0.05221	1.23260044	0.002221455	1.243E-07	0.0033495	0.0503684	0.006349	0.008625	0.00817876	1.295335
3808	487863.09	3852377.25	0.05511	0.04427	0.03682	0.02449	0.06366	0.02622	0.0466	0.04427	1.01735226	0.00188362	8.831E-08	0.0022824	0.0528159	0.006526	0.007605	0.00693495	1.08153
3809	488363.09	3852377.25	0.04419	0.03854	0.03911	0.0262	0.068	0.02413	0.0388	0.03854	0.81576477	0.001639818	9.38E-08	0.0024417	0.0564166	0.006006	0.006335	0.00603734	0.882566
3810	488863.09	3852377.25	0.04319	0.03513	0.03279	0.02182	0.06629	0.02064	0.0355	0.03513	0.79730438	0.001494727	7.864E-08	0.0020335	0.0549979	0.005137	0.005801	0.00550316	0.861266
3811	489363.09	3852377.25	0.04017	0.02953	0.03087	0.021	0.08746	0.02062	0.03	0.02953	0.74155399	0.001256456	7.404E-08	0.0019571	0.0725617	0.005132	0.004902	0.00462591	0.822737
3812	489863.09	3852377.25	0.03845	0.0242	0.03189	0.02081	0.08262	0.0204	0.0253	0.0242	0.70980211	0.001029673	7.648E-08	0.0019394	0.0685461	0.005077	0.004126	0.00379096	0.78673
3813	490363.09	3852377.25	0.04137	0.02677	0.03112	0.02441	0.05545	0.02002	0.0276	0.02677	0.76370646	0.001139022	7.464E-08	0.0022749	0.0460044	0.004983	0.004505	0.00419355	0.818419
3814	490863.09	3852377.25	0.04182	0.02641	0.02725	0.02208	0.04947	0.02092	0.0277	0.02641	0.77201364	0.001123705	6.535E-08	0.0020578	0.0410431	0.005207	0.004528	0.00413716	0.821836
3815	491363.09	3852377.25	0.04865	0.02876	0.03588	0.02646	0.07814	0.02309	0.029	0.02876	0.89809812	0.001223694	8.605E-08	0.002466	0.0648293	0.005747	0.004737	0.00450529	0.972596

3816	491863.09	3852377.25	0.04878	0.02889	0.03553	0.02715	0.08911	0.02558	0.0291	0.02889	0.90049797	0.001229225	8.521E-08	0.0025303	0.0739306	0.006367	0.004753	0.00452565	0.984782
3817	492363.09	3852377.25	0.04607	0.02878	0.03452	0.02766	0.08866	0.02661	0.029	0.02878	0.85047031	0.001224545	8.279E-08	0.0025778	0.0735572	0.006623	0.004734	0.00450842	0.934678
3818	492863.09	3852377.25	0.0486	0.02964	0.03533	0.02702	0.08759	0.02555	0.0302	0.02964	0.8971751	0.001261136	8.473E-08	0.0025182	0.0726695	0.006359	0.004925	0.00464314	0.980265
3819	493363.09	3852377.25	0.05135	0.03118	0.03506	0.03448	0.08954	0.02663	0.0315	0.03118	0.94794118	0.001326661	8.409E-08	0.0032134	0.0742873	0.006628	0.005138	0.00488438	1.033651
3820	493863.09	3852377.25	0.05081	0.03081	0.03481	0.02671	0.07049	0.02743	0.031	0.03081	0.93797257	0.001310918	8.349E-08	0.0024893	0.0584824	0.006827	0.005063	0.00482642	1.007319
3821	494363.09	3852377.25	0.04943	0.02975	0.03514	0.03088	0.04927	0.02629	0.0306	0.02975	0.91249723	0.001265817	8.428E-08	0.0028779	0.0408771	0.006543	0.004998	0.00466037	0.964399
3822	494863.09	3852377.25	0.05244	0.03095	0.03701	0.03201	0.06927	0.02602	0.0313	0.03095	0.96806301	0.001316875	8.876E-08	0.0029832	0.0574702	0.006476	0.005111	0.00484836	1.036572
3823	495363.09	3852377.25	0.05606	0.03081	0.03684	0.03845	0.09235	0.02577	0.031	0.03081	1.03488963	0.001310918	8.835E-08	0.0035834	0.0766187	0.006414	0.005067	0.00482642	1.123057
3824	495863.09	3852377.25	0.05227	0.02825	0.03144	0.04106	0.08952	0.02305	0.0285	0.02825	0.96492474	0.001201994	7.54E-08	0.0038266	0.0742707	0.005737	0.004647	0.0044254	1.050183
3825	496363.09	3852377.25	0.04519	0.02597	0.03082	0.03832	0.07802	0.02184	0.0262	0.02597	0.83422516	0.001104983	7.392E-08	0.0035713	0.0647297	0.005436	0.004272	0.00406823	0.909271
3826	496863.09	3852377.25	0.04356	0.02388	0.03078	0.03162	0.09674	0.02135	0.0245	0.02388	0.80413472	0.001016057	7.382E-08	0.0029469	0.0802609	0.005314	0.004006	0.00374083	0.893937
3827	497363.09	3852377.25	0.03948	0.02049	0.02789	0.02476	0.07733	0.02086	0.0223	0.02049	0.72881632	0.000871818	6.689E-08	0.0023075	0.0641572	0.005192	0.003638	0.00320978	0.801774
3828	497863.09	3852377.25	0.03563	0.01725	0.02443	0.01967	0.07676	0.01802	0.0175	0.01725	0.6577438	0.000733961	5.859E-08	0.0018332	0.0636843	0.004485	0.002861	0.00270223	0.72864
3829	498363.09	3852377.25	0.02971	0.0154	0.02214	0.01896	0.06992	0.01776	0.0161	0.0154	0.54845828	0.000655246	5.31E-08	0.001767	0.0580095	0.00442	0.002633	0.00241243	0.613531
3830	471363.09	3852877.25	0.07699	0.03615	0.02671	0.02982	0.04994	0.03735	0.0409	0.03615	1.42126566	0.001538127	6.406E-08	0.0027791	0.041433	0.009296	0.006668	0.00566294	1.477317
3831	471863.09	3852877.25	0.08033	0.03741	0.02919	0.03224	0.05243	0.03729	0.0434	0.03741	1.48292337	0.001591738	7.001E-08	0.0030046	0.0434988	0.009281	0.007079	0.00586032	1.541519
3832	472363.09	3852877.25	0.08257	0.03889	0.03343	0.03762	0.05429	0.03739	0.0428	0.03889	1.52427465	0.00165471	8.018E-08	0.003506	0.045042	0.009306	0.006981	0.00609217	1.584673
3833	472863.09	3852877.25	0.08272	0.04007	0.03525	0.04168	0.05258	0.04767	0.0438	0.04007	1.52704371	0.001704917	8.454E-08	0.0038844	0.0436233	0.011865	0.007141	0.00627701	1.588986
3834	473363.09	3852877.25	0.08168	0.04172	0.03882	0.04431	0.0555	0.04853	0.0465	0.04172	1.5078449	0.001775122	9.31E-08	0.0041295	0.0460459	0.012079	0.007592	0.00653549	1.572931
3835	473863.09	3852877.25	0.08273	0.04355	0.04299	0.04593	0.0596	0.04759	0.0467	0.04355	1.52722832	0.001852985	1.031E-07	0.0042805	0.0494475	0.011845	0.007629	0.00682216	1.595461
3836	474363.09	3852877.25	0.08321	0.04667	0.04674	0.04908	0.07161	0.05169	0.0534	0.04667	1.53608931	0.001985737	1.121E-07	0.0045741	0.0594116	0.012865	0.008723	0.00731091	1.616338
3837	474863.09	3852877.25	0.08528	0.0456	0.05355	0.04872	0.07939	0.05099	0.0509	0.0456	1.57430232	0.00194021	1.284E-07	0.0045405	0.0658663	0.012691	0.008305	0.0071433	1.660503
3838	475363.09	3852877.25	0.08611	0.0463	0.0597	0.05542	0.07483	0.04868	0.0576	0.0463	1.58962445	0.001969994	1.432E-07	0.0051649	0.0620831	0.012116	0.009408	0.00725295	1.673114
3839	475863.09	3852877.25	0.08994	0.04734	0.05497	0.0592	0.06126	0.05059	0.059	0.04734	1.66032775	0.002014244	1.318E-07	0.0055172	0.0508247	0.012592	0.009624	0.00741587	1.733484
3840	476363.09	3852877.25	0.08628	0.0463	0.05269	0.05494	0.0824	0.04817	0.0586	0.0463	1.59276271	0.001969994	1.264E-07	0.0051202	0.0683636	0.011989	0.009567	0.00725295	1.68252
3841	476863.09	3852877.25	0.08623	0.04294	0.0389	0.0531	0.08384	0.04234	0.0543	0.04294	1.59183969	0.001827031	9.33E-08	0.0049487	0.0695583	0.010538	0.008867	0.0067266	1.680852
3842	477363.09	3852877.25	0.07207	0.03976	0.04026	0.05013	0.09784	0.04386	0.0506	0.03976	1.33044053	0.001691727	9.656E-08	0.0046719	0.0811735	0.010917	0.008256	0.00622845	1.430922
3843	477863.09	3852877.25	0.07199	0.03842	0.04197	0.0461	0.0934	0.04479	0.0408	0.03842	1.3289637	0.001634712	1.007E-07	0.0042963	0.0774898	0.011148	0.006663	0.00601854	1.424177
3844	478363.09	3852877.25	0.05206	0.03324	0.03067	0.03912	0.0709	0.03523	0.0335	0.03324	0.96104806	0.001414311	7.356E-08	0.0036458	0.0588226	0.008769	0.005462	0.00520709	1.033954
3845	478863.09	3852877.25	0.06207	0.04175	0.0408	0.04515	0.05037	0.03889	0.0359	0.04175	1.1458366	0.001776398	9.785E-08	0.0042078	0.0417897	0.00968	0.005855	0.00654019	1.202605
3846	479363.09	3852877.25	0.07194	0.04986	0.04475	0.05665	0.0525	0.04972	0.0493	0.04986	1.32804068	0.002121466	1.073E-07	0.0052795	0.0435569	0.012375	0.008052	0.00781063	1.391615
3847	479863.09	3852877.25	0.07642	0.07638	0.0402	0.07851	0.06144	0.06669	0.0797	0.07638	1.41074324	0.003249851	9.641E-08	0.0073168	0.050974	0.016599	0.013006	0.01196502	1.489924
3848	480363.09	3852877.25	0.09001	0.10623	0.0381	0.0718	0.08241	0.08202	0.1092	0.10623	1.66161998	0.004519923	9.138E-08	0.0066915	0.0683719	0.020414	0.017831	0.01664106	1.762808
3849	480863.09	3852877.25	0.11701	0.13524	0.03827	0.06197	0.07228	0.07821	0.138	0.13524	2.16005059	0.005754253	9.178E-08	0.0057753	0.0599675	0.019466	0.022519	0.02118551	2.252347
3850	481363.09	3852877.25	0.13106	0.17441	0.03801	0.05126	0.05276	0.07782	0.1759	0.17441	2.41941911	0.007420876	9.116E-08	0.0047772	0.0437726	0.019369	0.028704	0.02732154	2.496141
3851	481863.09	3852877.25	0.13153	0.26392	0.04288	0.07944	0.05161	0.09242	0.267	0.26392	2.4280955	0.011229389	1.028E-07	0.0074035	0.0428185	0.023003	0.043579	0.04134339	2.514785
3852	482363.09	3852877.25	0.21126	0.87941	0.05658	0.06945	0.07706	0.13303	0.8922	0.87941	3.89994263	0.037417539	1.357E-07	0.0064725	0.0639332	0.033111	0.145634	0.13776065	4.04875
3853	482863.09	3852877.25	0.20055	0.31459	0.08261	0.08269	0.06944	0.12915	0.3171	0.31459	3.70223182	0.013385319	1.981E-07	0.0077064	0.0576113	0.032145	0.051758	0.04928091	3.815557
3854	483363.09	3852877.25	0.15053	0.14653	0.06799	0.09124	0.07463	0.11601	0.1519	0.14653	2.77884296	0.006234625	1.631E-07	0.0085032	0.0619172	0.028874	0.024799	0.0229541	2.886218
3855	483863.09	3852877.25	0.19751	0.08057	0.06592	0.09024	0.06564	0.06685	0.0921	0.08057	3.64611223	0.003428129	1.581E-07	0.00841	0.0544586	0.016639	0.015037	0.01262139	3.731463
3856	484363.09	3852877.25	0.19353	0.09721	0.0476	0.08612	0.06494	0.0703	0.1077	0.09721	3.57263987	0.004136136	1.142E-07	0.008026	0.0538778	0.017497	0.017581	0.01522806	3.658531
3857	484863.09	3852877.25	0.16914	0.09952	0.04247	0.09222	0.05982	0.08054	0.1213	0.09952	3.12239088	0.004234423	1.019E-07	0.0085945	0.04963	0.020046	0.019795	0.01558993	3.209101
3858	485363.09	3852877.25	0.11695	0.09279	0.07104	0.05326	0.066	0.05044	0.1001	0.09279	2.15894297	0.003948071	1.704E-07	0.0049636	0.0547573	0.012554	0.016342	0.01453567	2.236973
3859	485863.09	3852877.25	0.10924	0.07831	0.04158	0.0404	0.08002	0.03703	0.0792	0.07831	2.01661334	0.00333197	9.972E-08	0.0037651	0.066389	0.009217	0.012923	0.01226736	2.099972
3860	486363.09	3852877.25	0.10136	0.05392	0.04212	0.03586	0.11452	0.03012	0.0551	0.05392	1.87114544	0.002294213	1.01E-07	0.003342	0.0950121	0.007497	0.008999	0.00844663	1.979843
3861	486863.09	3852877.25	0.09647	0.05442	0.05082	0.04007	0.17879	0.03145	0.0562	0.05442	1.78087412	0.002315487	1.219E-07	0.0037344	0.1483341	0.007828	0.009169	0.00852496	1.94373
3862	487363.09	3852877.25	0.06007	0.04516	0.04403	0.03778	0.06428	0.02886	0.0457	0.04516	1.10891581	0.001921488	1.056E-07	0.0035209	0.0533302	0.007183	0.00746	0.00707437	1.175257
3863	487863.09	3852877.25	0.05128	0.03908	0.0476	0.03005	0.06798	0.02699	0.0413	0.03908	0.94664896	0.001662794	1.142E-07	0.0028005	0.0564	0.006718	0.006733	0.00612193	1.014841
3864	488363.09	3852877.25	0.03945	0.02491	0.03932	0.02289	0.07766	0.02284	0.0253	0.02491	0.72826251	0.001059882	9.43E-08	0.0021333	0.064431	0.005685	0.00413	0.00390218	0.801799
3865	488863.09	3852877.25	0.04415	0.02779	0.03842	0.02219	0.06924	0.02117	0.0285	0.02779	0.81502635	0.001182422	9.214E-08	0.002068	0.0574453	0.005269	0.004647	0.00435334	0.881285
3866	489363.09	3852877.25	0.04437	0.02661	0.03253	0.0231	0.0979	0.02301	0.0275	0.02661	0.81908764	0.001132214	7.802E-08	0.0021528	0.0812233	0.005727	0.004489	0.00416849	0.909643
3867	489863.09	3852877.25	0.04206	0.025	0.0382	0.02372	0.0782	0.02173	0.0257	0.025	0.77644413	0.001063711	9.162E-08	0.0022106	0.064879	0.005409	0.004197	0.00391628	0.850286
3868	490363.09	3852877.25	0.05019	0.03302	0.03859	0.028	0.07115	0.02349	0.0349	0.03302	0.92652713	0.00140495	9.255E-08	0.0026095	0.05903	0.005847	0.005695	0.00517262	0.995941
3869	490863.09	3852877.25	0.05481	0.03484	0.04161	0.03053	0.0765	0.0261	0.0369	0.03484	1.01181414	0.001482388	9.979E-08	0.0028453	0.0634686	0.006496	0.00602	0.00545773	1.086669
3870	491363.09	3852877.25	0.05641	0.03387	0.04119	0.03633	0.09555	0.0295	0.0353	0.03387	1.04135077	0.001441116	9.879E-08	0.0033858	0.0792736	0.007342	0.00576	0.00530578	1.133248
3871	491863.09	3852877.25	0.05915	0.0325	0.04448	0.03332	0.10702	0.0316	0.0341	0.0325	1.09193225	0.001382825	1.067E-07	0.0031053	0.0887897	0.007865	0.005568	0.00509116	1.193552
3872	492363.09	3852877.25	0.06403	0.03187	0.04517	0.03576	0.10382	0.03229	0.0327	0.03187	1.18201897	0.001356019	1.083E-07	0.0033327	0.0861348	0.008037	0.005342	0.00499247	1.281229

3873	492863.09	3852877.25	0.06651	0.03233	0.04284	0.03618	0.09527	0.03254	0.0352	0.03233	1.22780074	0.001375592	1.027E-07	0.0033718	0.0790413	0.008099	0.005751	0.00506453	1.320375
3874	493363.09	3852877.25	0.06948	0.03169	0.04356	0.03854	0.06972	0.03159	0.0342	0.03169	1.28262811	0.001348361	1.045E-07	0.0035918	0.0578436	0.007863	0.005587	0.00496428	1.353898
3875	493863.09	3852877.25	0.06991	0.03129	0.04027	0.04222	0.08643	0.03217	0.0343	0.03129	1.29056608	0.001331341	9.658E-08	0.0039347	0.0717071	0.008007	0.005594	0.00490162	1.376239
3876	494363.09	3852877.25	0.07143	0.03117	0.0376	0.0394	0.10608	0.03083	0.0325	0.03117	1.31862588	0.001326235	9.018E-08	0.0036719	0.0880098	0.007673	0.005305	0.00488282	1.41973
3877	494863.09	3852877.25	0.06631	0.03004	0.03735	0.04153	0.13493	0.03098	0.0312	0.03004	1.22410866	0.001278156	8.958E-08	0.0038704	0.1119454	0.007711	0.005089	0.0047058	1.349297
3878	495363.09	3852877.25	0.0614	0.0292	0.03745	0.04437	0.1028	0.02732	0.0294	0.0292	1.13346813	0.001242415	8.982E-08	0.0041351	0.0852886	0.0068	0.004805	0.00457422	1.231165
3879	495863.09	3852877.25	0.05116	0.02835	0.03503	0.04146	0.1038	0.02391	0.0286	0.02835	0.94443371	0.001206249	8.401E-08	0.0038639	0.0861182	0.005951	0.004663	0.00444106	1.041796
3880	496363.09	3852877.25	0.05029	0.02756	0.03541	0.03688	0.11873	0.02384	0.0284	0.02756	0.92837317	0.001172635	8.493E-08	0.0034371	0.098505	0.005934	0.004632	0.00431731	1.037737
3881	496863.09	3852877.25	0.04735	0.02471	0.03055	0.0279	0.12011	0.02333	0.0278	0.02471	0.87409961	0.001051372	7.327E-08	0.0026002	0.0996499	0.005807	0.004536	0.00387085	0.983873
3882	497363.09	3852877.25	0.04021	0.02203	0.02503	0.0221	0.08068	0.02211	0.0239	0.02203	0.7422924	0.000937343	6.003E-08	0.0020596	0.0669366	0.005503	0.003893	0.00345103	0.818171
3883	497863.09	3852877.25	0.03022	0.01468	0.02467	0.02076	0.06799	0.01657	0.0148	0.01468	0.55787308	0.000624611	5.917E-08	0.0019347	0.0564083	0.004124	0.002414	0.00229964	0.621079
3884	498363.09	3852877.25	0.02955	0.01387	0.02173	0.0214	0.06033	0.0165	0.0141	0.01387	0.54550461	0.000590147	5.212E-08	0.0019944	0.0500531	0.004107	0.002308	0.00217275	0.602384
3885	471363.09	3853377.25	0.08357	0.03511	0.02174	0.03688	0.06913	0.02851	0.0375	0.03511	1.54273505	0.001493876	5.214E-08	0.0034371	0.0573541	0.007096	0.006126	0.00550002	1.612742
3886	471863.09	3853377.25	0.08652	0.03645	0.02595	0.03851	0.0634	0.03327	0.041	0.03645	1.59719321	0.001550891	6.224E-08	0.003589	0.0526001	0.008281	0.006696	0.00570994	1.6642
3887	472363.09	3853377.25	0.08829	0.0365	0.02707	0.03992	0.05705	0.0359	0.0418	0.0365	1.6298681	0.001553019	6.492E-08	0.0037204	0.0473318	0.008935	0.006828	0.00571777	1.692519
3888	472863.09	3853377.25	0.09017	0.03771	0.03052	0.04185	0.05194	0.04106	0.042	0.03771	1.66457364	0.001604502	7.32E-08	0.0039002	0.0430923	0.01022	0.006857	0.00590732	1.72434
3889	473363.09	3853377.25	0.09136	0.03877	0.03368	0.04361	0.05525	0.04347	0.0448	0.03877	1.68654151	0.001649604	8.078E-08	0.0040643	0.0458385	0.01082	0.007308	0.00607337	1.750148
3890	473863.09	3853377.25	0.09253	0.04017	0.03946	0.04616	0.05794	0.04956	0.047	0.04017	1.70814017	0.001709172	9.464E-08	0.0043019	0.0480702	0.012335	0.007672	0.00629268	1.775936
3891	474363.09	3853377.25	0.09448	0.04126	0.04067	0.04885	0.05975	0.05213	0.0458	0.04126	1.74413793	0.001755549	9.754E-08	0.0045526	0.0495719	0.012975	0.007469	0.00646343	1.813999
3892	474863.09	3853377.25	0.09137	0.0401	0.04193	0.0487	0.05978	0.05092	0.0419	0.0401	1.68672611	0.001706193	1.006E-07	0.0045386	0.0495968	0.012674	0.006838	0.00628171	1.755798
3893	475363.09	3853377.25	0.08838	0.0398	0.04096	0.04657	0.0695	0.04846	0.0397	0.0398	1.63152954	0.001693429	9.824E-08	0.0043401	0.057661	0.012062	0.006482	0.00623472	1.707533
3894	475863.09	3853377.25	0.09199	0.04041	0.05109	0.04743	0.07961	0.05058	0.0397	0.04041	1.69817156	0.001719383	1.225E-07	0.0044203	0.0660489	0.012589	0.006477	0.00633028	1.783096
3895	476363.09	3853377.25	0.09035	0.04071	0.04356	0.04678	0.09498	0.04771	0.0389	0.04071	1.66789651	0.001732148	1.045E-07	0.0043597	0.0788007	0.011875	0.006341	0.00637727	1.764628
3896	476863.09	3853377.25	0.0796	0.03353	0.04586	0.04592	0.08195	0.04451	0.0338	0.03353	1.46944729	0.00142665	1.1E-07	0.0042796	0.0679903	0.011078	0.00552	0.00525252	1.55449
3897	477363.09	3853377.25	0.07276	0.03197	0.04265	0.04679	0.07073	0.04264	0.0365	0.03197	1.3431782	0.001360274	1.023E-07	0.0043606	0.0586815	0.010613	0.005951	0.00500814	1.419137
3898	477863.09	3853377.25	0.07137	0.03034	0.04025	0.04589	0.07956	0.04194	0.038	0.03034	1.31751825	0.00129092	9.653E-08	0.0042768	0.0660074	0.010439	0.006208	0.0047528	1.400987
3899	478363.09	3853377.25	0.06389	0.02771	0.03863	0.04486	0.08826	0.03923	0.0343	0.02771	1.17943451	0.001179018	9.265E-08	0.0041808	0.0732254	0.009764	0.005594	0.00434081	1.269037
3900	478863.09	3853377.25	0.05123	0.02367	0.03143	0.03525	0.08265	0.03294	0.0259	0.02367	0.94572594	0.001007122	7.538E-08	0.0032852	0.068571	0.008199	0.004233	0.00370793	1.027313
3901	479363.09	3853377.25	0.06518	0.04018	0.04313	0.04738	0.09122	0.04723	0.043	0.04018	1.20324842	0.001709597	1.034E-07	0.0044156	0.0756812	0.011755	0.007025	0.00629425	1.297541
3902	479863.09	3853377.25	0.09116	0.052	0.06417	0.06456	0.0834	0.05408	0.0551	0.052	1.68284943	0.00221252	1.539E-07	0.0060167	0.0691933	0.01346	0.008994	0.00814586	1.77458
3903	480363.09	3853377.25	0.10374	0.06985	0.05646	0.09623	0.06834	0.07419	0.0861	0.06985	1.91508117	0.00297201	1.354E-07	0.0089682	0.0566986	0.018466	0.014046	0.01094209	2.00529
3904	480863.09	3853377.25	0.11306	0.07555	0.04625	0.10519	0.09121	0.08552	0.0819	0.07555	2.08713204	0.003214536	1.109E-07	0.0098033	0.0756729	0.021286	0.013375	0.011835	2.198648
3905	481363.09	3853377.25	0.15191	0.09826	0.05322	0.11882	0.09587	0.12343	0.1169	0.09826	2.80431831	0.004180811	1.276E-07	0.0110735	0.0795391	0.030721	0.01908	0.01539255	2.93352
3906	481863.09	3853377.25	0.19164	0.18	0.04706	0.09968	0.08493	0.10398	0.1724	0.18	3.53774972	0.007658722	1.129E-07	0.0092898	0.0704626	0.02588	0.028147	0.02819722	3.650991
3907	482363.09	3853377.25	0.19512	0.27952	0.06053	0.08562	0.05591	0.1978	0.283	0.27952	3.60199189	0.011893145	1.452E-07	0.0079794	0.046386	0.049232	0.04619	0.04378715	3.719886
3908	482863.09	3853377.25	0.27831	0.57862	0.13923	0.13801	0.08717	0.19719	0.636	0.57862	5.13771199	0.024619389	3.339E-07	0.012862	0.0723211	0.04908	0.103815	0.09064153	5.309768
3909	483363.09	3853377.25	0.21528	0.25623	0.07675	0.14588	0.07604	0.19168	0.2627	0.25623	3.97415341	0.010902191	1.841E-07	0.0135954	0.063087	0.047709	0.042872	0.04013874	4.11218
3910	483863.09	3853377.25	0.22079	0.16389	0.08045	0.13598	0.08185	0.1424	0.1667	0.16389	4.07587018	0.006973267	1.929E-07	0.0126728	0.0679073	0.035443	0.027212	0.02567357	4.200405
3911	484363.09	3853377.25	0.21171	0.09421	0.09026	0.14223	0.06901	0.10568	0.1181	0.09421	3.90824981	0.00400849	2.165E-07	0.0132552	0.0572545	0.026303	0.019269	0.01475811	4.013583
3912	484863.09	3853377.25	0.2091	0.06782	0.09041	0.10496	0.07082	0.09435	0.0892	0.06782	3.86006819	0.002885636	2.168E-07	0.0097818	0.0587562	0.023483	0.014565	0.01062409	3.958916
3913	485363.09	3853377.25	0.14913	0.06263	0.05669	0.05076	0.05796	0.05134	0.0672	0.06263	2.75299841	0.00266481	1.36E-07	0.0047306	0.0480868	0.012778	0.010966	0.00981107	2.822414
3914	485863.09	3853377.25	0.08813	0.06166	0.05145	0.03981	0.06686	0.04192	0.0627	0.06166	1.62691444	0.002623538	1.234E-07	0.0037101	0.0554708	0.010434	0.010234	0.00965911	1.699728
3915	486363.09	3853377.25	0.09516	0.05835	0.05747	0.04134	0.08418	0.03944	0.0591	0.05835	1.756691	0.002482703	1.378E-07	0.0038527	0.0698404	0.009816	0.009647	0.0091406	1.84319
3916	486863.09	3853377.25	0.09337	0.05399	0.06164	0.04082	0.15232	0.03211	0.0601	0.05399	1.7236469	0.002297191	1.478E-07	0.0038043	0.1263731	0.007992	0.009815	0.0084576	1.865471
3917	487363.09	3853377.25	0.07778	0.05658	0.06754	0.04383	0.07343	0.03309	0.0593	0.05658	1.43584937	0.002407392	1.62E-07	0.0040848	0.0609216	0.008236	0.009673	0.00886333	1.512309
3918	487863.09	3853377.25	0.07272	0.04596	0.0601	0.04033	0.07334	0.03547	0.0502	0.04596	1.34243978	0.001955527	1.441E-07	0.0037586	0.0608469	0.008828	0.008186	0.00719969	1.418816
3919	488363.09	3853377.25	0.07181	0.04726	0.06131	0.04193	0.0911	0.03585	0.0496	0.04726	1.32564082	0.00201084	1.47E-07	0.0039077	0.0755816	0.008923	0.00809	0.00740334	1.41675
3920	488863.09	3853377.25	0.07271	0.04419	0.06327	0.04176	0.13165	0.03633	0.047	0.04419	1.34225518	0.001880216	1.517E-07	0.0038919	0.1092241	0.009042	0.007664	0.00692242	1.467035
3921	489363.09	3853377.25	0.07198	0.04629	0.04806	0.04244	0.12182	0.0358	0.0468	0.04629	1.32877909	0.001969568	1.153E-07	0.0039552	0.1010686	0.00891	0.007637	0.00725138	1.445069
3922	489863.09	3853377.25	0.06565	0.04411	0.05032	0.03743	0.09155	0.03356	0.0459	0.04411	1.2119248	0.001876812	1.207E-07	0.0034883	0.0759549	0.008353	0.007484	0.00690989	1.302172
3923	490363.09	3853377.25	0.07266	0.04529	0.05261	0.03841	0.0768	0.03431	0.0457	0.04529	1.34133216	0.00192702	1.262E-07	0.0035797	0.0637175	0.00854	0.007463	0.00709473	1.419464
3924	490863.09	3853377.25	0.07654	0.04212	0.0551	0.04217	0.10076	0.03644	0.0425	0.04212	1.41295848	0.001792141	1.321E-07	0.0039301	0.0835961	0.00907	0.006934	0.00659815	1.511682
3925	491363.09	3853377.25	0.08384	0.03913	0.056	0.04494	0.13882	0.03634	0.0408	0.03913	1.54771935	0.001664921	1.343E-07	0.0041882	0.1151728	0.009045	0.00666	0.00612976	1.67832
3926	491863.09	3853377.25	0.08878	0.03985	0.05109	0.04449	0.13256	0.03647	0.0416	0.03985	1.63891369	0.001695556	1.225E-07	0.0041463	0.1099791	0.009077	0.006797	0.00624255	1.764366
3927	492363.09	3853377.25	0.0887	0.03711	0.04366	0.04259	0.11481	0.03734	0.0402	0.03711	1.63743686	0.001578973	1.047E-07	0.0039692	0.0952527	0.009294	0.00656	0.00581333	1.748279
3928	492863.09	3853377.25	0.08563	0.0365	0.04435	0.04981	0.09174	0.03746	0.0411	0.0365	1.58076346	0.001553019	1.064E-07	0.0046421	0.0761126	0.009324	0.006707	0.00571777	1.673384
3929	493363.09	3853377.25	0.08477	0.03405	0.04929	0.04582	0.1528	0.03933	0.0409	0.03405	1.56488752	0.001448775	1.182E-07	0.0042702	0.1267713	0.009789	0.00667	0.00533397	1.708503

3930	493863.09	3853377.25	0.08552	0.03243	0.05171	0.05133	0.17432	0.03695	0.0399	0.03243	1.57873281	0.001379846	1.24E-07	0.0047837	0.1446255	0.009197	0.006511	0.0050802	1.74015
3931	494363.09	3853377.25	0.07932	0.03154	0.04579	0.04046	0.15305	0.03343	0.0388	0.03154	1.46427838	0.001341978	1.098E-07	0.0037707	0.1269788	0.008321	0.006327	0.00494078	1.606076
3932	494863.09	3853377.25	0.07451	0.03032	0.04334	0.04496	0.12172	0.03051	0.0344	0.03032	1.37548389	0.001290069	1.039E-07	0.0041901	0.1009856	0.007594	0.005609	0.00474966	1.490403
3933	495363.09	3853377.25	0.07216	0.02951	0.04263	0.05311	0.12733	0.02817	0.0323	0.02951	1.33210196	0.001255605	1.022E-07	0.0049496	0.10564	0.007011	0.005272	0.00462278	1.451608
3934	495863.09	3853377.25	0.06704	0.02813	0.03907	0.04247	0.12797	0.02755	0.0295	0.02813	1.23758475	0.001196888	9.37E-08	0.003958	0.106171	0.006857	0.004807	0.0044066	1.356168
3935	496363.09	3853377.25	0.05666	0.0249	0.0375	0.03188	0.11332	0.0262	0.0263	0.0249	1.04596587	0.001059457	8.994E-08	0.0029711	0.0940165	0.006521	0.004299	0.00390062	1.150933
3936	496863.09	3853377.25	0.05001	0.02397	0.03312	0.02452	0.1071	0.02516	0.0242	0.02397	0.92320426	0.001019887	7.943E-08	0.0022852	0.0888561	0.006262	0.003944	0.00375493	1.021816
3937	497363.09	3853377.25	0.03836	0.01984	0.02738	0.02247	0.08832	0.02233	0.0203	0.01984	0.70814068	0.000844161	6.567E-08	0.0020941	0.0732752	0.005558	0.00331	0.00310796	0.790114
3938	497863.09	3853377.25	0.03077	0.0121	0.02225	0.02135	0.0659	0.0169	0.0129	0.0121	0.56802629	0.000514836	5.336E-08	0.0019897	0.0546743	0.004206	0.002097	0.00189548	0.629614
3939	498363.09	3853377.25	0.02879	0.0114	0.01895	0.01557	0.05391	0.01639	0.011	0.0114	0.53147472	0.000485052	4.545E-08	0.0014511	0.0447267	0.004079	0.001802	0.00178582	0.582233
3940	471363.09	3853877.25	0.08179	0.03459	0.02684	0.0331	0.05616	0.02878	0.0349	0.03459	1.50987555	0.001471751	6.437E-08	0.0030848	0.0465934	0.007163	0.005697	0.00541857	1.568467
3941	471863.09	3853877.25	0.08648	0.03642	0.02617	0.03806	0.06372	0.03121	0.0368	0.03642	1.59645479	0.001549615	6.276E-08	0.003547	0.0528656	0.007768	0.005999	0.00570524	1.662479
3942	472363.09	3853877.25	0.09156	0.03668	0.02691	0.04052	0.08843	0.03163	0.0374	0.03668	1.69023359	0.001560677	6.454E-08	0.0037763	0.0733664	0.007873	0.006111	0.00574597	1.777175
3943	472863.09	3853877.25	0.0977	0.03727	0.03161	0.04384	0.08483	0.03429	0.0402	0.03727	1.8035804	0.001585781	7.581E-08	0.0040857	0.0703797	0.008535	0.006563	0.00583839	1.888891
3944	473363.09	3853877.25	0.10417	0.03773	0.03228	0.04533	0.08997	0.03956	0.0429	0.03773	1.92301914	0.001605353	7.742E-08	0.0042246	0.0746441	0.009846	0.007009	0.00591045	2.014438
3945	473863.09	3853877.25	0.10591	0.03818	0.03362	0.04457	0.07331	0.04661	0.0444	0.03818	1.95514023	0.0016245	8.063E-08	0.0041537	0.060822	0.011601	0.007247	0.00598094	2.034608
3946	474363.09	3853877.25	0.10671	0.03837	0.03724	0.04504	0.06581	0.04975	0.0447	0.03837	1.96990854	0.001632584	8.931E-08	0.0041975	0.0545996	0.012383	0.007303	0.00601071	2.044013
3947	474863.09	3853877.25	0.10619	0.03945	0.03623	0.04568	0.06031	0.05158	0.0446	0.03945	1.96030914	0.001678537	8.689E-08	0.0042572	0.0500365	0.012838	0.00728	0.00617989	2.03022
3948	475363.09	3853877.25	0.09891	0.03731	0.03629	0.04917	0.06177	0.05408	0.0407	0.03731	1.82591748	0.001587483	8.704E-08	0.0045824	0.0512478	0.01346	0.00664	0.00584466	1.897591
3949	475863.09	3853877.25	0.08576	0.03335	0.04047	0.04475	0.06456	0.05123	0.0331	0.03335	1.58316331	0.001418991	9.706E-08	0.0041705	0.0535625	0.012751	0.005401	0.00522432	1.655243
3950	476363.09	3853877.25	0.07432	0.03509	0.03668	0.03452	0.05329	0.04607	0.0324	0.03509	1.37197641	0.001493025	8.797E-08	0.0032171	0.0442123	0.011467	0.005295	0.00549689	1.432164
3951	476863.09	3853877.25	0.05752	0.0301	0.03592	0.02835	0.06589	0.04124	0.0294	0.0301	1.06184181	0.001280709	8.615E-08	0.0026421	0.054666	0.010264	0.004799	0.0047152	1.130779
3952	477363.09	3853877.25	0.06607	0.0309	0.04012	0.03514	0.08163	0.04073	0.0272	0.0309	1.21967817	0.001314747	9.622E-08	0.0032749	0.0677248	0.010138	0.004438	0.00484052	1.301728
3953	477863.09	3853877.25	0.0764	0.03254	0.04696	0.04314	0.06722	0.04213	0.0301	0.03254	1.41037403	0.001384527	1.126E-07	0.0040205	0.0557694	0.010486	0.004918	0.00509743	1.481855
3954	478363.09	3853877.25	0.07505	0.02871	0.04569	0.04618	0.0749	0.03923	0.0299	0.02871	1.3854525	0.001221566	1.096E-07	0.0043038	0.0621412	0.009764	0.004874	0.00449746	1.46326
3955	478863.09	3853877.25	0.05998	0.02287	0.03409	0.02992	0.07338	0.03106	0.0245	0.02287	1.10725437	0.000973083	8.176E-08	0.0027884	0.0608801	0.007731	0.004001	0.00358261	1.180045
3956	479363.09	3853877.25	0.07051	0.02738	0.0415	0.03877	0.09181	0.03746	0.0281	0.02738	1.30164231	0.001164977	9.953E-08	0.0036132	0.0761707	0.009324	0.004592	0.00428911	1.392217
3957	479863.09	3853877.25	0.10946	0.0398	0.07238	0.06441	0.13519	0.04956	0.0486	0.0398	2.02067462	0.001693429	1.736E-07	0.0060027	0.1121611	0.012335	0.007925	0.00623472	2.154557
3958	480363.09	3853877.25	0.12297	0.05559	0.0845	0.0911	0.11494	0.07226	0.0659	0.05559	2.27007453	0.002365269	2.027E-07	0.0084901	0.0953606	0.017985	0.010752	0.00870824	2.39632
3959	480863.09	3853877.25	0.13819	0.07839	0.13906	0.12641	0.12187	0.10159	0.0986	0.07839	2.55104171	0.003335374	3.335E-07	0.0117809	0.1011101	0.025285	0.016093	0.01227989	2.696367
3960	481363.09	3853877.25	0.13848	0.09995	0.08093	0.15078	0.08313	0.13307	0.1208	0.09995	2.55639523	0.004252718	1.941E-07	0.0140521	0.0689692	0.033121	0.019715	0.01565729	2.680848
3961	481863.09	3853877.25	0.18813	0.14904	0.10106	0.16372	0.10872	0.1906	0.1604	0.14904	3.47295374	0.006341422	2.424E-07	0.015258	0.0902001	0.04744	0.026184	0.0233473	3.635029
3962	482363.09	3853877.25	0.25608	0.22348	0.0749	0.20651	0.09783	0.34565	0.2066	0.22348	4.72733745	0.009508729	1.796E-07	0.0192459	0.0811652	0.086031	0.03373	0.03500841	4.92201
3963	482863.09	3853877.25	0.43061	0.9261	0.16666	0.32357	0.10358	0.85614	0.6206	0.9261	7.94922985	0.039404127	3.997E-07	0.0301554	0.0859357	0.21309	0.101301	0.14507469	8.274042
3964	483363.09	3853877.25	0.38503	0.22599	0.11828	0.45565	0.10178	0.52111	0.2804	0.22599	7.10780513	0.009615526	2.837E-07	0.0424647	0.0844423	0.129703	0.045766	0.03540161	7.384395
3965	483863.09	3853877.25	0.27067	0.16221	0.10169	0.26347	0.09552	0.24335	0.2063	0.16221	4.99667459	0.006901785	2.439E-07	0.0245543	0.0792487	0.060569	0.033671	0.02541039	5.176209
3966	484363.09	3853877.25	0.27297	0.16725	0.16505	0.20325	0.09102	0.15717	0.176	0.16725	5.03913349	0.00711623	3.958E-07	0.0189421	0.0755152	0.039119	0.028735	0.02619992	5.182361
3967	484863.09	3853877.25	0.25611	0.08445	0.08542	0.1168	0.07777	0.08831	0.0934	0.08445	4.72789126	0.003593217	2.049E-07	0.0108853	0.0645223	0.02198	0.015249	0.0132292	4.830892
3968	485363.09	3853877.25	0.14786	0.06015	0.07263	0.06124	0.07516	0.05443	0.0629	0.06015	2.72955372	0.00255929	1.742E-07	0.0057073	0.0623569	0.013547	0.01027	0.00942257	2.814573
3969	485863.09	3853877.25	0.15751	0.04512	0.10409	0.06233	0.0877	0.05585	0.0484	0.04512	2.90769651	0.001919786	2.496E-07	0.0058089	0.0727608	0.013901	0.007897	0.0070681	3.002916
3970	486363.09	3853877.25	0.13582	0.04963	0.10092	0.05449	0.12788	0.04943	0.0529	0.04963	2.50729058	0.00211168	2.42E-07	0.0050782	0.1060963	0.012303	0.008638	0.0077746	2.633743
3971	486863.09	3853877.25	0.11397	0.05231	0.08206	0.0495	0.187	0.04372	0.0545	0.05231	2.103931	0.00222571	1.968E-07	0.0046132	0.1551456	0.010882	0.008893	0.00819443	2.277496
3972	487363.09	3853877.25	0.10019	0.06019	0.07931	0.05455	0.10366	0.04248	0.0658	0.06019	1.84954678	0.002560992	1.902E-07	0.0050838	0.0860021	0.010573	0.010737	0.00942884	1.955075
3973	487863.09	3853877.25	0.1108	0.05539	0.08175	0.07037	0.08003	0.04717	0.0666	0.05539	2.04541155	0.002356759	1.961E-07	0.0065582	0.0663973	0.01174	0.010869	0.00867691	2.134657
3974	488363.09	3853877.25	0.11046	0.06546	0.08278	0.06907	0.12471	0.04774	0.0662	0.06546	2.03913502	0.002785222	1.985E-07	0.006437	0.1034663	0.011882	0.010809	0.01025439	2.164261
3975	488863.09	3853877.25	0.11969	0.05191	0.0889	0.06871	0.15696	0.05233	0.0529	0.05191	2.20952444	0.00220869	2.132E-07	0.0064035	0.1302227	0.013025	0.008628	0.00813176	2.361881
3976	489363.09	3853877.25	0.10868	0.04473	0.07455	0.05811	0.18633	0.0464	0.0486	0.04473	2.00627552	0.001903193	1.788E-07	0.0054156	0.1545897	0.011549	0.007933	0.00700701	2.180659
3977	489863.09	3853877.25	0.10862	0.04874	0.07915	0.05651	0.14127	0.04422	0.0529	0.04874	2.00516789	0.002073812	1.898E-07	0.0052665	0.1172054	0.011006	0.008638	0.00763518	2.141723
3978	490363.09	3853877.25	0.10263	0.05125	0.08209	0.05536	0.13257	0.04675	0.0536	0.05125	1.89459014	0.002180608	1.969E-07	0.0051593	0.1099874	0.011636	0.008744	0.00802837	2.024269
3979	490863.09	3853877.25	0.10596	0.05068	0.06471	0.05613	0.18126	0.04687	0.0545	0.05068	1.95606325	0.002156356	1.552E-07	0.0052311	0.1503833	0.011666	0.008889	0.00793908	2.12645
3980	491363.09	3853877.25	0.10565	0.04992	0.06229	0.05485	0.17747	0.04479	0.0539	0.04992	1.95034053	0.002124019	1.494E-07	0.0051118	0.1472389	0.011148	0.00879	0.00782003	2.116933
3981	491863.09	3853877.25	0.10715	0.04769	0.06467	0.05541	0.13623	0.04611	0.0522	0.04769	1.97803111	0.002029136	1.551E-07	0.005164	0.1130239	0.011477	0.008524	0.0074707	2.110778
3982	492363.09	3853877.25	0.10707	0.04374	0.0653	0.05301	0.1784	0.04502	0.0485	0.04374	1.97655428	0.00186107	1.566E-07	0.0049403	0.1480105	0.011205	0.007921	0.00685192	2.143641
3983	492863.09	3853877.25	0.10752	0.04226	0.06257	0.05701	0.21394	0.04411	0.0473	0.04226	1.98486146	0.001798098	1.501E-07	0.0053131	0.1774965	0.010979	0.007721	0.00662008	2.181549
3984	493363.09	3853877.25	0.10371	0.04039	0.06016	0.06862	0.22516	0.04494	0.044	0.04039	1.91452736	0.001718532	1.443E-07	0.0063951	0.1868052	0.011185	0.00718	0.00632714	2.121485
3985	493863.09	3853877.25	0.09665	0.03869	0.05951	0.05234	0.18391	0.04266	0.0425	0.03869	1.78419699	0.0016462	1.427E-07	0.0048779	0.1525819	0.010618	0.006944	0.00606084	1.954804
3986	494363.09	3853877.25	0.09377	0.03581	0.05628	0.04981	0.19444	0.0364	0.0401	0.03581	1.73103106	0.00152366	1.35E-07	0.0046421	0.1613182	0.00906	0.006545	0.00560968	1.908511

3987	494863.09	3853877.25	0.08863	0.03375	0.05176	0.07372	0.19044	0.03807	0.0372	0.03375	1.63614464	0.00143601	1.241E-07	0.0068704	0.1579996	0.009475	0.006066	0.00528698	1.812705
3988	495363.09	3853877.25	0.07923	0.03213	0.04569	0.04451	0.14111	0.03357	0.0332	0.03213	1.46261694	0.001367082	1.096E-07	0.0041481	0.1170727	0.008355	0.005411	0.0050332	1.593938
3989	495863.09	3853877.25	0.0605	0.03084	0.03976	0.03287	0.13508	0.03221	0.0311	0.03084	1.11685378	0.001312194	9.536E-08	0.0030633	0.1120698	0.008017	0.005072	0.00483112	1.241557
3990	496363.09	3853877.25	0.05422	0.02916	0.0357	0.02896	0.11552	0.02866	0.0294	0.02916	1.00092251	0.001240713	8.562E-08	0.002699	0.0958418	0.007133	0.004794	0.00456795	1.108064
3991	496863.09	3853877.25	0.04445	0.02209	0.02916	0.02725	0.08924	0.0243	0.0223	0.02209	0.82056447	0.000939895	6.994E-08	0.0025396	0.0740384	0.006048	0.003647	0.00346043	0.904317
3992	497363.09	3853877.25	0.03996	0.01719	0.02662	0.02382	0.07736	0.021	0.0187	0.01719	0.73767731	0.000731408	6.384E-08	0.0022199	0.0641821	0.005227	0.003044	0.00269283	0.810389
3993	497863.09	3853877.25	0.03166	0.01381	0.02311	0.01905	0.06823	0.01782	0.0147	0.01381	0.58445604	0.000587594	5.543E-08	0.0017754	0.0566074	0.004435	0.002404	0.00216335	0.648103
3994	498363.09	3853877.25	0.03014	0.01169	0.021	0.02043	0.06852	0.01689	0.0118	0.01169	0.55639625	0.000497391	5.037E-08	0.001904	0.056848	0.004204	0.001921	0.00183125	0.619939
3995	471363.09	3854377.25	0.06846	0.03682	0.02978	0.02897	0.04265	0.03963	0.035	0.03682	1.26379851	0.001566634	7.142E-08	0.0026999	0.0353848	0.009864	0.005705	0.0057679	1.313251
3996	471863.09	3854377.25	0.07449	0.0374	0.03059	0.03064	0.0528	0.04042	0.0365	0.0374	1.37511468	0.001591312	7.337E-08	0.0028555	0.0438058	0.01006	0.005959	0.00585876	1.433529
3997	472363.09	3854377.25	0.08026	0.03716	0.03075	0.03254	0.059	0.03855	0.0364	0.03716	1.48163115	0.001581101	7.375E-08	0.0030326	0.0489497	0.009595	0.005946	0.00582116	1.544915
3998	472863.09	3854377.25	0.08499	0.03636	0.03039	0.03539	0.06317	0.03605	0.0374	0.03636	1.5689488	0.001547062	7.289E-08	0.0032982	0.0524093	0.008973	0.006106	0.00569584	1.635587
3999	473363.09	3854377.25	0.08979	0.03911	0.03115	0.04057	0.06651	0.03521	0.0392	0.03911	1.65755869	0.00166407	7.471E-08	0.003781	0.0551804	0.008764	0.006397	0.00612663	1.727218
4000	473863.09	3854377.25	0.09582	0.03888	0.032	0.04388	0.0704	0.03597	0.0416	0.03888	1.76887486	0.001654284	7.675E-08	0.0040894	0.0584077	0.008953	0.006792	0.0060906	1.842681
4001	474363.09	3854377.25	0.10352	0.03987	0.03293	0.04694	0.10116	0.03668	0.0439	0.03987	1.91101989	0.001696407	7.898E-08	0.0043746	0.0839279	0.00913	0.007161	0.00624568	2.011064
4002	474863.09	3854377.25	0.10697	0.03528	0.0339	0.04567	0.09805	0.04215	0.0399	0.03528	1.97470824	0.00150111	8.13E-08	0.0042563	0.0813477	0.010491	0.006506	0.00552665	2.073284
4003	475363.09	3854377.25	0.10676	0.03396	0.03677	0.0376	0.10033	0.04212	0.0364	0.03396	1.97083156	0.001444946	8.819E-08	0.0035042	0.0832393	0.010484	0.005948	0.00531988	2.070132
4004	475863.09	3854377.25	0.05828	0.02938	0.03814	0.02759	0.07502	0.03584	0.0276	0.02938	1.07587171	0.001250074	9.147E-08	0.0025713	0.0622407	0.00892	0.004505	0.00460241	1.150757
4005	476363.09	3854377.25	0.05489	0.02709	0.03716	0.02837	0.06826	0.03828	0.0262	0.02709	1.01329097	0.001152638	8.912E-08	0.002644	0.0566323	0.009528	0.004283	0.00424368	1.083287
4006	476863.09	3854377.25	0.05418	0.02519	0.03843	0.03065	0.0632	0.03899	0.0244	0.02519	1.0001841	0.001071796	9.217E-08	0.0028565	0.0524342	0.009704	0.003986	0.00394604	1.066291
4007	477363.09	3854377.25	0.05312	0.02667	0.04084	0.03104	0.0632	0.03905	0.0248	0.02667	0.98061608	0.001134767	9.795E-08	0.0028928	0.0524342	0.009719	0.004045	0.00417789	1.046664
4008	477863.09	3854377.25	0.0576	0.02839	0.04147	0.02795	0.06205	0.04203	0.026	0.02839	1.06331864	0.001207951	9.946E-08	0.0026048	0.0514801	0.010461	0.004246	0.00444733	1.128871
4009	478363.09	3854377.25	0.06438	0.03142	0.04337	0.03487	0.07377	0.04423	0.0262	0.03142	1.1884801	0.001336873	1.04E-07	0.0032497	0.0612037	0.011009	0.00427	0.00492198	1.264627
4010	478863.09	3854377.25	0.07308	0.02976	0.04595	0.03504	0.10215	0.04339	0.0256	0.02976	1.34908552	0.001266242	1.102E-07	0.0032656	0.0847493	0.0108	0.004177	0.00466194	1.448681
4011	479363.09	3854377.25	0.1003	0.03373	0.05171	0.04852	0.08263	0.04808	0.0372	0.03373	1.85157742	0.001435159	1.24E-07	0.0045219	0.0685544	0.011967	0.006075	0.00528385	1.938847
4012	479863.09	3854377.25	0.12123	0.04032	0.06725	0.05834	0.10975	0.04666	0.0406	0.04032	2.23795345	0.001715554	1.613E-07	0.005437	0.0910547	0.011614	0.006621	0.00631618	2.348079
4013	480363.09	3854377.25	0.16077	0.04647	0.0785	0.07271	0.17201	0.06011	0.0534	0.04647	2.96787739	0.001977227	1.883E-07	0.0067763	0.142709	0.014961	0.00872	0.00727958	3.135741
4014	480863.09	3854377.25	0.19926	0.06446	0.12851	0.10302	0.16664	0.09368	0.0733	0.06446	3.67841792	0.002742674	3.082E-07	0.009601	0.1382538	0.023317	0.011956	0.01009774	3.854191
4015	481363.09	3854377.25	0.20467	0.08546	0.21854	0.13089	0.15379	0.14261	0.0976	0.08546	3.77828864	0.003636191	5.241E-07	0.0121984	0.1275927	0.035495	0.015934	0.01338741	3.959759
4016	481863.09	3854377.25	0.21118	0.14429	0.34887	0.15054	0.14504	0.22663	0.127	0.14429	3.8984658	0.006139317	8.367E-07	0.0140297	0.1203332	0.056407	0.020725	0.0226032	4.093498
4017	482363.09	3854377.25	0.29503	0.21412	0.36684	0.19029	0.14063	0.38496	0.1754	0.21412	5.44636976	0.009110476	8.798E-07	0.0177342	0.1166744	0.095815	0.028635	0.03354216	5.680798
4018	482863.09	3854377.25	0.49222	1.24246	0.2602	0.30135	0.12607	0.41731	0.2706	1.24246	9.08657466	0.052864757	6.24E-07	0.0280846	0.1045947	0.103867	0.044162	0.19463287	9.225515
4019	483363.09	3854377.25	0.53057	0.2526	0.22527	0.60813	0.11561	0.36193	0.6353	0.2526	9.79453074	0.01074774	5.403E-07	0.0566752	0.0959165	0.090083	0.103701	0.0395701	10.11208
4020	483863.09	3854377.25	0.44916	0.11928	0.32236	1.11818	0.09616	0.52164	0.4001	0.11928	8.29167014	0.00507518	7.731E-07	0.1042097	0.0797797	0.129834	0.0653	0.01868536	8.657184
4021	484363.09	3854377.25	0.37819	0.10035	0.19476	0.30935	0.10655	0.18089	0.1533	0.10035	6.98153605	0.004269738	4.671E-07	0.0288301	0.0883998	0.045023	0.025016	0.01571995	7.157356
4022	484863.09	3854377.25	0.25559	0.09396	0.21699	0.11639	0.10294	0.08786	0.1175	0.09396	4.71829186	0.003997853	5.204E-07	0.0108471	0.0854047	0.021868	0.019174	0.01471895	4.844866
4023	485363.09	3854377.25	0.2815	0.10004	0.17954	0.15153	0.08949	0.09906	0.1203	0.10004	5.19660064	0.004256548	4.306E-07	0.014122	0.0742459	0.024656	0.019636	0.01567139	5.317846
4024	485863.09	3854377.25	0.19363	0.07076	0.14586	0.10382	0.08704	0.07102	0.0768	0.07076	3.57448591	0.003010729	3.498E-07	0.0096756	0.0722132	0.017677	0.012539	0.01108464	3.678517
4025	486363.09	3854377.25	0.18029	0.05081	0.12437	0.09909	0.17077	0.07326	0.0739	0.05081	3.32822426	0.002161887	2.983E-07	0.0092348	0.1416802	0.018234	0.012063	0.00795945	3.503639
4026	486863.09	3854377.25	0.16734	0.03957	0.10334	0.09017	0.20265	0.06741	0.0563	0.03957	3.08916217	0.001683642	2.478E-07	0.0084035	0.1681297	0.016778	0.009193	0.00619869	3.287152
4027	487363.09	3854377.25	0.16044	0.04708	0.10663	0.09122	0.21925	0.06746	0.061	0.04708	2.96178546	0.002003181	2.557E-07	0.0085013	0.1819019	0.016791	0.00995	0.00737514	3.173558
4028	487863.09	3854377.25	0.15919	0.04995	0.10244	0.09274	0.08867	0.06919	0.068	0.04995	2.93870997	0.002125295	2.457E-07	0.008643	0.0735655	0.017221	0.011104	0.00782473	3.043545
4029	488363.09	3854377.25	0.15832	0.05956	0.09512	0.09348	0.17742	0.06854	0.066	0.05956	2.92264943	0.002534186	2.281E-07	0.0087119	0.1471975	0.017059	0.01078	0.00933015	3.099602
4030	488863.09	3854377.25	0.15876	0.05582	0.10659	0.08942	0.25958	0.06713	0.0628	0.05582	2.930772	0.002375055	2.556E-07	0.0083336	0.2153619	0.016708	0.010243	0.00874427	3.17505
4031	489363.09	3854377.25	0.14916	0.05737	0.10562	0.08363	0.25063	0.06261	0.0614	0.05737	2.75355223	0.002441005	2.533E-07	0.007794	0.2079365	0.015583	0.010022	0.00898708	2.988343
4032	489863.09	3854377.25	0.13864	0.05804	0.1067	0.07763	0.22236	0.06069	0.0587	0.05804	2.55934889	0.002469512	2.559E-07	0.0072348	0.1844822	0.015106	0.009575	0.00909204	2.769124
4033	490363.09	3854377.25	0.13227	0.04361	0.09037	0.07131	0.27679	0.05991	0.05	0.04361	2.44175619	0.001855538	2.167E-07	0.0066458	0.2296403	0.014911	0.008166	0.00683156	2.696144
4034	490863.09	3854377.25	0.11519	0.04072	0.07403	0.05771	0.16937	0.04544	0.0451	0.04072	2.12645267	0.001732573	1.775E-07	0.0053783	0.1405187	0.01131	0.007367	0.00637884	2.28638
4035	491363.09	3854377.25	0.12005	0.0475	0.08171	0.05949	0.18982	0.0514	0.049	0.0475	2.21617018	0.002021052	1.96E-07	0.0055442	0.1574852	0.012793	0.007993	0.00744093	2.394566
4036	491863.09	3854377.25	0.12058	0.05208	0.08346	0.05999	0.26894	0.05627	0.0532	0.05208	2.22595419	0.002215924	2.002E-07	0.0055908	0.2231275	0.014005	0.008687	0.0081584	2.471423
4037	492363.09	3854377.25	0.12031	0.05105	0.08223	0.06005	0.27214	0.05558	0.0546	0.05105	2.22096989	0.002172099	1.972E-07	0.0055964	0.2257824	0.013834	0.008912	0.00799704	2.46927
4038	492863.09	3854377.25	0.11838	0.04934	0.07616	0.06095	0.29	0.04839	0.0534	0.04934	2.18534133	0.002099341	1.827E-07	0.0056803	0.2406001	0.012044	0.008716	0.00772917	2.446753
4039	493363.09	3854377.25	0.11567	0.04657	0.06895	0.07627	0.2951	0.04798	0.0519	0.04657	2.13531366	0.001981482	1.654E-07	0.007108	0.2448313	0.011942	0.008473	0.00729525	2.402355
4040	493863.09	3854377.25	0.11652	0.04275	0.07105	0.05604	0.28621	0.04792	0.0473	0.04275	2.151005	0.001818947	1.704E-07	0.0052227	0.2374557	0.011927	0.007721	0.00669684	2.408453
4041	494363.09	3854377.25	0.11606	0.03848	0.06156	0.07996	0.25005	0.04359	0.0416	0.03848	2.14251322	0.001637265	1.476E-07	0.0074519	0.2074553	0.010849	0.006787	0.00602794	2.370666
4042	494863.09	3854377.25	0.09374	0.03244	0.04688	0.05206	0.16591	0.04117	0.0342	0.03244	1.73047724	0.001380272	1.124E-07	0.0048518	0.1376481	0.010247	0.005586	0.00508177	1.885109
4043	495363.09	3854377.25	0.05946	0.02566	0.03926	0.03203	0.11597	0.0333	0.0279	0.02566	1.09765497	0.001091793	9.416E-08	0.0029851	0.0962151	0.008288	0.004556	0.00401967	1.206771

4044	495863.09	3854377.25	0.04847	0.02118	0.03176	0.0286	0.0995	0.02784	0.021	0.02118	0.89477525	0.000901176	7.617E-08	0.0026654	0.0825507	0.006929	0.00342	0.00331787	0.987924
4045	496363.09	3854377.25	0.0443	0.01834	0.02979	0.02794	0.09138	0.02552	0.0204	0.01834	0.81779541	0.000780339	7.145E-08	0.0026039	0.0758139	0.006352	0.003327	0.00287298	0.903799
4046	496863.09	3854377.25	0.04012	0.01691	0.02517	0.02677	0.0928	0.02312	0.0173	0.01691	0.74063097	0.000719494	6.037E-08	0.0024949	0.076992	0.005754	0.002817	0.00264897	0.82676
4047	497363.09	3854377.25	0.03377	0.01539	0.02206	0.02235	0.08276	0.0208	0.0158	0.01539	0.62340747	0.000654821	5.291E-08	0.0020829	0.0686623	0.005177	0.002576	0.00241086	0.700149
4048	497863.09	3854377.25	0.03342	0.01524	0.02216	0.02625	0.08258	0.02008	0.0154	0.01524	0.61694634	0.000648438	5.315E-08	0.0024464	0.0685129	0.004998	0.002506	0.00238736	0.69367
4049	498363.09	3854377.25	0.02957	0.01396	0.02133	0.02505	0.07744	0.01888	0.0138	0.01396	0.54587382	0.000593976	5.116E-08	0.0023346	0.0642485	0.004699	0.002257	0.00218685	0.617821
4050	471363.09	3854877.25	0.06544	0.03976	0.03188	0.03061	0.04582	0.03659	0.0407	0.03976	1.20804812	0.001691727	7.646E-08	0.0028527	0.0380148	0.009107	0.00665	0.00622845	1.260136
4051	471863.09	3854877.25	0.06898	0.04025	0.03368	0.03112	0.04412	0.03619	0.0414	0.04025	1.27339791	0.001712575	8.078E-08	0.0029003	0.0366044	0.009008	0.006763	0.00630521	1.32408
4052	472363.09	3854877.25	0.07192	0.04022	0.03553	0.03148	0.04589	0.04322	0.0403	0.04022	1.32767147	0.001711299	8.521E-08	0.0029338	0.0380729	0.010757	0.006585	0.00630051	1.381431
4053	472863.09	3854877.25	0.07527	0.03922	0.03473	0.03375	0.04574	0.04235	0.0378	0.03922	1.38951378	0.001668751	8.329E-08	0.0031454	0.0379484	0.010541	0.006168	0.00614386	1.442842
4054	473363.09	3854877.25	0.07914	0.03961	0.03759	0.03427	0.05055	0.04548	0.0365	0.03961	1.46095551	0.001685344	9.015E-08	0.0031938	0.0419391	0.01132	0.005964	0.00620495	1.518853
4055	473863.09	3854877.25	0.08247	0.04324	0.03902	0.03493	0.05586	0.04791	0.0388	0.04324	1.52242861	0.001839795	9.358E-08	0.0032553	0.0463445	0.011925	0.00634	0.0067736	1.585359
4056	474363.09	3854877.25	0.08651	0.04474	0.04083	0.03856	0.063	0.04785	0.0402	0.04474	1.5970086	0.001903618	9.792E-08	0.0035936	0.0522683	0.01191	0.006563	0.00700858	1.666239
4057	474863.09	3854877.25	0.08897	0.0342	0.02984	0.03287	0.067	0.03272	0.0321	0.0342	1.64242117	0.001455157	7.157E-08	0.0030633	0.0555869	0.008144	0.005245	0.00535747	1.710558
4058	475363.09	3854877.25	0.08364	0.02797	0.03059	0.02807	0.07252	0.02995	0.0275	0.02797	1.54402727	0.00119008	7.337E-08	0.002616	0.0601666	0.007454	0.004495	0.00438153	1.615568
4059	475863.09	3854877.25	0.05163	0.02583	0.03046	0.02612	0.06464	0.0292	0.0259	0.02583	0.95311009	0.001099027	7.305E-08	0.0024343	0.0536289	0.007268	0.004226	0.0040463	1.01772
4060	476363.09	3854877.25	0.04504	0.02373	0.0309	0.02414	0.05138	0.02804	0.0231	0.02373	0.8314561	0.001009675	7.411E-08	0.0022497	0.0426277	0.006979	0.003762	0.00371733	0.884367
4061	476863.09	3854877.25	0.04498	0.02494	0.03183	0.02536	0.04797	0.03253	0.0223	0.02494	0.83034848	0.001061159	7.634E-08	0.0023634	0.0397986	0.008097	0.003633	0.00390688	0.881395
4062	477363.09	3854877.25	0.04749	0.02705	0.0332	0.02747	0.05797	0.03814	0.0233	0.02705	0.87668407	0.001150936	7.962E-08	0.0025601	0.0480951	0.009493	0.0038	0.00423742	0.937546
4063	477863.09	3854877.25	0.05268	0.02661	0.03613	0.02784	0.06162	0.04003	0.0235	0.02661	0.97249351	0.001132214	8.665E-08	0.0025946	0.0511234	0.009963	0.003841	0.00416849	1.036979
4064	478363.09	3854877.25	0.06942	0.02996	0.04224	0.03406	0.07559	0.04081	0.0279	0.02996	1.28152049	0.001274752	1.013E-07	0.0031743	0.0627136	0.010157	0.004556	0.00469327	1.358703
4065	478863.09	3854877.25	0.09358	0.0382	0.0483	0.03835	0.0899	0.0504	0.0333	0.0382	1.72752358	0.001625351	1.158E-07	0.0035741	0.074586	0.012544	0.005439	0.00598408	1.819308
4066	479363.09	3854877.25	0.13511	0.0416	0.06295	0.05108	0.09864	0.05765	0.0412	0.0416	2.4941837	0.001770016	1.51E-07	0.0047604	0.0818372	0.014349	0.006718	0.00651669	2.597102
4067	479863.09	3854877.25	0.18353	0.0476	0.06742	0.07299	0.15829	0.06861	0.0508	0.0476	3.38803594	0.002025307	1.617E-07	0.0068024	0.1313261	0.017077	0.008285	0.0074566	3.546096
4068	480363.09	3854877.25	0.21085	0.05415	0.08354	0.08904	0.15427	0.07728	0.059	0.05415	3.89237387	0.002303999	2.004E-07	0.0082982	0.1279909	0.019235	0.009632	0.00848266	4.051351
4069	480863.09	3854877.25	0.22135	0.06122	0.10104	0.12734	0.19461	0.10833	0.0742	0.06122	4.086208	0.002604817	2.423E-07	0.0118676	0.1614592	0.026963	0.012115	0.00959019	4.291627
4070	481363.09	3854877.25	0.25519	0.07992	0.12719	0.14398	0.19087	0.13339	0.0972	0.07992	4.7109077	0.003400473	3.05E-07	0.0134183	0.1583563	0.0332	0.015869	0.01251957	4.922633
4071	481863.09	3854877.25	0.29636	0.07862	0.17273	0.15435	0.24946	0.14651	0.104	0.07862	5.47092208	0.00334516	4.143E-07	0.0143848	0.2069658	0.036466	0.016973	0.01231592	5.736741
4072	482363.09	3854877.25	0.34925	0.2016	0.32225	0.1671	0.18709	0.36336	0.1235	0.2016	6.44729227	0.008577769	7.729E-07	0.015573	0.1552202	0.090439	0.020164	0.03158089	6.705686
4073	482863.09	3854877.25	0.54209	0.34854	1.13358	0.20197	0.18405	0.57476	0.1389	0.34854	10.0071945	0.014829839	2.719E-06	0.0188228	0.1526981	0.143056	0.022664	0.05459922	10.30467
4074	483363.09	3854877.25	0.57865	0.48527	7.3223	0.27214	0.19996	0.42289	0.1801	0.48527	10.6821064	0.02064749	1.756E-05	0.0253623	0.1658979	0.105256	0.029404	0.07601814	10.95267
4075	483863.09	3854877.25	0.62059	0.16745	1.72021	0.42488	0.15852	0.27424	0.3335	0.16745	11.4563353	0.007124739	4.126E-06	0.0395971	0.131517	0.068257	0.054429	0.02623125	11.73103
4076	484363.09	3854877.25	0.62872	0.09939	0.5834	1.184	0.17904	0.93985	1.0199	0.09939	11.6064183	0.004228891	1.399E-06	0.1103439	0.1485415	0.233925	0.166472	0.01556956	12.25436
4077	484863.09	3854877.25	0.5044	0.09875	0.36249	0.9843	0.19157	0.4391	0.4262	0.09875	9.31142225	0.00420166	8.694E-07	0.0917327	0.1589371	0.10929	0.069571	0.01546931	9.729687
4078	485363.09	3854877.25	0.42766	0.09576	0.25992	0.38313	0.12141	0.22035	0.2097	0.09576	7.89477169	0.00407444	6.234E-07	0.0357061	0.1007285	0.054844	0.034236	0.01500092	8.10936
4079	485863.09	3854877.25	0.35505	0.11218	0.1844	0.24295	0.12028	0.14114	0.1606	0.11218	6.55436255	0.004773086	4.423E-07	0.0226419	0.0997909	0.035129	0.026211	0.01757313	6.725336
4080	486363.09	3854877.25	0.30201	0.06642	0.15094	0.16672	0.11281	0.10828	0.1201	0.06642	5.5752233	0.002826069	3.62E-07	0.0155376	0.0935934	0.026951	0.019609	0.01040477	5.723335
4081	486863.09	3854877.25	0.26438	0.06305	0.12439	0.13411	0.25245	0.09153	0.0894	0.06305	4.88055871	0.00268268	2.983E-07	0.0124985	0.2094465	0.022782	0.014598	0.00987686	5.132689
4082	487363.09	3854877.25	0.22869	0.0513	0.14051	0.1256	0.33153	0.08814	0.0857	0.0513	4.22170729	0.002182736	3.37E-07	0.0117054	0.2750556	0.021938	0.013987	0.00803621	4.53854
4083	487863.09	3854877.25	0.20946	0.04495	0.14397	0.11774	0.15282	0.08671	0.0715	0.04495	3.86671393	0.001912553	3.453E-07	0.0109729	0.1267879	0.021582	0.011676	0.00704147	4.032604
4084	488363.09	3854877.25	0.1953	0.05381	0.16578	0.11877	0.28022	0.08512	0.0727	0.05381	3.60531476	0.002289533	3.976E-07	0.0110689	0.232486	0.021186	0.011862	0.0084294	3.875778
4085	488863.09	3854877.25	0.17945	0.05219	0.14907	0.10578	0.38729	0.08336	0.0734	0.05219	3.31271753	0.002220604	3.575E-07	0.0098583	0.3213172	0.020748	0.011973	0.00817563	3.670659
4086	489363.09	3854877.25	0.16731	0.05369	0.14496	0.09951	0.34857	0.07843	0.069	0.05369	3.08860836	0.002284427	3.477E-07	0.0092739	0.289193	0.019521	0.011266	0.0084106	3.411736
4087	489863.09	3854877.25	0.15778	0.05173	0.12469	0.08884	0.38681	0.06907	0.0621	0.05173	2.91268081	0.002201032	2.99E-07	0.0082795	0.320919	0.017191	0.010141	0.00810357	3.26331
4088	490363.09	3854877.25	0.13509	0.04528	0.07116	0.06892	0.20032	0.05272	0.0508	0.04528	2.4938145	0.001926594	1.707E-07	0.0064231	0.1661966	0.013122	0.008294	0.00709317	2.682683
4089	490863.09	3854877.25	0.08328	0.03712	0.05246	0.04336	0.10316	0.03706	0.038	0.03712	1.53738153	0.001579399	1.258E-07	0.004041	0.0855872	0.009224	0.006199	0.00581489	1.638198
4090	491363.09	3854877.25	0.10295	0.0455	0.05481	0.05388	0.16427	0.03723	0.0458	0.0455	1.90049746	0.001935955	1.315E-07	0.0050214	0.1362875	0.009266	0.007473	0.00712763	2.053354
4091	491863.09	3854877.25	0.13729	0.03937	0.0922	0.07737	0.40805	0.06335	0.0554	0.03937	2.53442736	0.001675133	2.211E-07	0.0072106	0.3385409	0.015768	0.00904	0.00616736	2.900494
4092	492363.09	3854877.25	0.13295	0.04587	0.08999	0.07726	0.49194	0.06372	0.0508	0.04587	2.45430926	0.001951698	2.158E-07	0.0072003	0.4081407	0.01586	0.008294	0.00718559	2.88857
4093	492863.09	3854877.25	0.12874	0.04971	0.0902	0.07926	0.44096	0.0586	0.0507	0.04971	2.376591	0.002115084	2.163E-07	0.0073867	0.3658448	0.014585	0.008274	0.00778713	2.76701
4094	493363.09	3854877.25	0.12752	0.04749	0.0707	0.06663	0.39216	0.05864	0.0487	0.04749	2.35406932	0.002020626	1.696E-07	0.0062096	0.3253576	0.014595	0.007948	0.00743937	2.702761
4095	493863.09	3854877.25	0.12102	0.04885	0.06275	0.08453	0.31336	0.05703	0.0494	0.04885	2.23407677	0.002078492	1.505E-07	0.0078778	0.2599808	0.014195	0.008068	0.00765241	2.518625
4096	494363.09	3854877.25	0.1078	0.03982	0.04892	0.06009	0.18531	0.04405	0.0424	0.03982	1.99003037	0.00169428	1.173E-07	0.0056001	0.1537434	0.010964	0.006913	0.00623785	2.162707
4097	494863.09	3854877.25	0.06194	0.02712	0.03523	0.0348	0.13873	0.03228	0.0286	0.02712	1.14343675	0.001153914	8.449E-08	0.0032432	0.1150981	0.008034	0.004662	0.00424838	1.27138
4098	495363.09	3854877.25	0.04786	0.01911	0.02979	0.03005	0.11448	0.02921	0.0199	0.01911	0.88351441	0.000813101	7.145E-08	0.0028005	0.0949789	0.00727	0.003252	0.0029936	0.989635
4099	495863.09	3854877.25	0.0425	0.01607	0.02747	0.02646	0.10511	0.02443	0.0164	0.01607	0.7845667	0.000683754	6.588E-08	0.002466	0.0872051	0.006081	0.002679	0.00251739	0.881163
4100	496363.09	3854877.25	0.03268	0.01367	0.02507	0.02364	0.09152	0.02033	0.0141	0.01367	0.60328564	0.000581637	6.013E-08	0.0022032	0.0759301	0.00506	0.002293	0.00214142	0.687213

4101	496863.09	3854877.25	0.0303	0.01327	0.02387	0.02579	0.08066	0.01982	0.0134	0.01327	0.55934991	0.000564618	5.725E-08	0.0024035	0.06692	0.004933	0.002192	0.00207876	0.634285
4102	497363.09	3854877.25	0.0283	0.01304	0.02362	0.02655	0.07049	0.01998	0.0132	0.01304	0.52242912	0.000554832	5.665E-08	0.0024744	0.0584824	0.004973	0.00216	0.00204273	0.589031
4103	497863.09	3854877.25	0.0309	0.01424	0.02357	0.02511	0.08616	0.02031	0.0143	0.01424	0.57042615	0.00060589	5.653E-08	0.0023401	0.0714831	0.005055	0.002334	0.00223071	0.650014
4104	498363.09	3854877.25	0.03066	0.01441	0.02277	0.02605	0.08004	0.02129	0.0145	0.01441	0.56599565	0.000613123	5.461E-08	0.0024278	0.0664056	0.005299	0.002359	0.00225734	0.640843
4105	471363.09	3855377.25	0.05661	0.03856	0.0301	0.02849	0.05922	0.03042	0.04	0.03856	1.04504285	0.001640669	7.219E-08	0.0026552	0.0491322	0.007571	0.006534	0.00604047	1.106536
4106	471863.09	3855377.25	0.06158	0.03916	0.03125	0.02933	0.06038	0.03488	0.0407	0.03916	1.136791	0.001666198	7.495E-08	0.0027334	0.0500946	0.008682	0.006635	0.00613446	1.200468
4107	472363.09	3855377.25	0.06694	0.04003	0.03351	0.03095	0.06416	0.03926	0.0406	0.04003	1.23573871	0.001703215	8.037E-08	0.0028844	0.0532307	0.009772	0.006627	0.00627075	1.303685
4108	472863.09	3855377.25	0.07207	0.04022	0.03403	0.03417	0.06796	0.04108	0.0408	0.04022	1.33044053	0.001711299	8.162E-08	0.0031845	0.0563834	0.010225	0.006661	0.00630051	1.402305
4109	473363.09	3855377.25	0.07886	0.04209	0.0393	0.03904	0.07112	0.04737	0.0428	0.04209	1.4557866	0.001790865	9.425E-08	0.0036384	0.0590051	0.01179	0.006985	0.00659345	1.532402
4110	473863.09	3855377.25	0.08391	0.0437	0.04187	0.04282	0.06604	0.04994	0.044	0.0437	1.54901158	0.001859368	1.004E-07	0.0039906	0.0547904	0.01243	0.00718	0.00684566	1.622417
4111	474363.09	3855377.25	0.08568	0.04972	0.04067	0.04362	0.06368	0.05106	0.0428	0.04972	1.58168648	0.002115509	9.754E-08	0.0040652	0.0528325	0.012709	0.006991	0.0077887	1.652611
4112	474863.09	3855377.25	0.08164	0.03824	0.04085	0.03819	0.05617	0.03801	0.0378	0.03824	1.50710649	0.001627053	9.797E-08	0.0035591	0.0466017	0.009461	0.006177	0.00599034	1.568541
4113	475363.09	3855377.25	0.04853	0.02324	0.03	0.02576	0.05461	0.02957	0.0232	0.02324	0.89588287	0.000988826	7.195E-08	0.0024007	0.0453075	0.00736	0.00378	0.00364057	0.95208
4114	475863.09	3855377.25	0.04659	0.02117	0.02933	0.02546	0.04775	0.02662	0.0199	0.02117	0.86006971	0.000900751	7.034E-08	0.0023728	0.039616	0.006626	0.003253	0.00331631	0.909522
4115	476363.09	3855377.25	0.04857	0.02285	0.03037	0.02579	0.05536	0.02787	0.022	0.02285	0.89662129	0.000972232	7.284E-08	0.0024035	0.0459297	0.006937	0.003594	0.00357948	0.952878
4116	476863.09	3855377.25	0.05001	0.02359	0.03177	0.02544	0.05501	0.02979	0.0224	0.02359	0.92320426	0.001003718	7.62E-08	0.0023709	0.0456393	0.007415	0.003658	0.0036954	0.979595
4117	477363.09	3855377.25	0.05058	0.02427	0.03314	0.02707	0.05448	0.03155	0.0237	0.02427	0.93372668	0.001032651	7.948E-08	0.0025228	0.0451996	0.007853	0.003875	0.00380193	0.990408
4118	477863.09	3855377.25	0.05707	0.02808	0.03566	0.03008	0.0625	0.03797	0.0258	0.02808	1.05353463	0.001194761	8.552E-08	0.0028033	0.0518535	0.009451	0.004216	0.00439877	1.118654
4119	478363.09	3855377.25	0.07025	0.03118	0.04789	0.03191	0.0881	0.04277	0.0286	0.03118	1.29684261	0.001326661	1.149E-07	0.0029739	0.0730926	0.010645	0.00466	0.00488438	1.384657
4120	478863.09	3855377.25	0.09639	0.03448	0.04861	0.04233	0.08978	0.0495	0.033	0.03448	1.77939729	0.001467071	1.166E-07	0.003945	0.0744865	0.01232	0.005387	0.00540133	1.871602
4121	479363.09	3855377.25	0.13242	0.03822	0.0534	0.06069	0.1334	0.06177	0.0414	0.03822	2.44452525	0.001626202	1.281E-07	0.0056561	0.110676	0.015374	0.006763	0.00598721	2.578633
4122	479863.09	3855377.25	0.17151	0.04627	0.07234	0.08072	0.21073	0.06973	0.0447	0.04627	3.16614201	0.001968717	1.735E-07	0.0075228	0.1748333	0.017356	0.00729	0.00724825	3.367864
4123	480363.09	3855377.25	0.22544	0.05838	0.09321	0.10657	0.24329	0.08603	0.0623	0.05838	4.16171101	0.002483979	2.235E-07	0.0099319	0.2018469	0.021413	0.010166	0.0091453	4.398407
4124	480863.09	3855377.25	0.25107	0.07053	0.20645	0.1241	0.22359	0.1231	0.0787	0.07053	4.63485088	0.003000943	4.951E-07	0.0115656	0.1855026	0.030639	0.01284	0.01104861	4.867351
4125	481363.09	3855377.25	0.25905	0.09694	0.28668	0.1404	0.2732	0.14588	0.0883	0.09694	4.78216482	0.004124647	6.876E-07	0.0130847	0.2266618	0.036309	0.014411	0.01518577	5.061571
4126	481863.09	3855377.25	0.29355	0.12446	0.33832	0.14647	0.35052	0.19775	0.0932	0.12446	5.41904838	0.005295581	8.114E-07	0.0136504	0.2908108	0.049219	0.015215	0.01949681	5.773743
4127	482363.09	3855377.25	0.38818	0.15989	0.42845	0.15571	0.27089	0.22473	0.1007	0.15989	7.16595537	0.006803073	1.028E-06	0.0145115	0.2247453	0.055935	0.016439	0.02504696	7.459343
4128	482863.09	3855377.25	0.60529	0.19743	0.64426	0.16634	0.29923	0.30804	0.1115	0.19743	11.1738913	0.008400342	1.545E-06	0.0155022	0.2482578	0.07667	0.018197	0.03092765	11.50999
4129	483363.09	3855377.25	0.59745	0.36832	0.41585	0.18813	0.27584	1.01824	0.1277	0.36832	11.0291618	0.015671448	9.973E-07	0.0175329	0.2288521	0.253436	0.020839	0.05769778	11.5078
4130	483863.09	3855377.25	0.61049	0.66334	0.73892	0.24394	0.30476	0.318	0.1683	0.66334	11.2698853	0.028224094	1.772E-06	0.0227342	0.2528458	0.079149	0.027478	0.10391302	11.57641
4131	484363.09	3855377.25	0.66302	0.15845	0.74666	0.34366	0.30618	0.21535	0.2234	0.15845	12.2396098	0.006741803	1.791E-06	0.0320277	0.2540239	0.0536	0.036457	0.02482139	12.59764
4132	484863.09	3855377.25	0.66153	0.10997	0.50989	0.59354	0.2328	0.37934	0.4471	0.10997	12.2121038	0.004679054	1.223E-06	0.0553155	0.1931438	0.094416	0.072973	0.01722693	12.61541
4133	485363.09	3855377.25	0.52463	0.10868	0.40744	1.50859	0.26217	0.59469	0.4952	0.10868	9.684876	0.004624166	9.772E-07	0.1405943	0.2175107	0.148016	0.080832	0.01702485	10.25943
4134	485863.09	3855377.25	0.44316	0.08705	0.34769	0.43888	0.19086	0.27259	0.235	0.08705	8.18090778	0.003703843	8.339E-07	0.0409018	0.158348	0.067847	0.038352	0.01363649	8.476425
4135	486363.09	3855377.25	0.39503	0.10915	0.24445	0.28231	0.19472	0.1932	0.1685	0.10915	7.29240906	0.004644164	5.863E-07	0.0263101	0.1615505	0.048087	0.027497	0.01709848	7.5434
4136	486863.09	3855377.25	0.33998	0.0954	0.20557	0.19374	0.39116	0.14374	0.1386	0.0954	6.27616443	0.004059123	4.93E-07	0.0180558	0.324528	0.035776	0.022627	0.01494453	6.666266
4137	487363.09	3855377.25	0.30998	0.06208	0.18495	0.17138	0.566	0.12157	0.1201	0.06208	5.72235264	0.002641408	4.436E-07	0.0159719	0.4695849	0.030258	0.019596	0.00972491	6.25068
4138	487863.09	3855377.25	0.26665	0.06207	0.18048	0.15608	0.26526	0.11129	0.0925	0.06207	4.92246381	0.002640983	4.329E-07	0.014546	0.2200744	0.0277	0.015097	0.00972334	5.192799
4139	488363.09	3855377.25	0.21487	0.0543	0.18583	0.14482	0.45529	0.10681	0.0854	0.0543	3.96658465	0.002310381	4.457E-07	0.0134966	0.3777338	0.026585	0.01394	0.00850616	4.392144
4140	488863.09	3855377.25	0.19836	0.05035	0.17956	0.12431	0.4433	0.10589	0.0717	0.05035	3.66180356	0.002142315	4.306E-07	0.0115852	0.3677862	0.026356	0.011695	0.00788739	4.073481
4141	489363.09	3855377.25	0.18892	0.05228	0.16605	0.11438	0.58996	0.09917	0.0672	0.05228	3.48753745	0.002224433	3.982E-07	0.0106597	0.4894635	0.024683	0.010975	0.00818973	4.017354
4142	489863.09	3855377.25	0.1833	0.0529	0.13692	0.10441	0.6119	0.08729	0.0676	0.0529	3.38379004	0.002250813	3.284E-07	0.0097306	0.5076661	0.021726	0.011039	0.00828685	3.927916
4143	490363.09	3855377.25	0.1729	0.05135	0.12981	0.10196	0.62804	0.08962	0.0619	0.05135	3.19180196	0.002184863	3.113E-07	0.0095023	0.5210567	0.022306	0.010105	0.00804404	3.748914
4144	490863.09	3855377.25	0.14253	0.04772	0.06605	0.06919	0.26863	0.05382	0.0543	0.04772	2.63115982	0.002030412	1.584E-07	0.0064482	0.2228703	0.013396	0.008867	0.0074754	2.877296
4145	491363.09	3855377.25	0.11449	0.04298	0.06116	0.05533	0.23209	0.04261	0.0447	0.04298	2.1135304	0.001828733	1.467E-07	0.0051565	0.1925547	0.010605	0.007296	0.00673287	2.324239
4146	491863.09	3855377.25	0.14703	0.04813	0.09855	0.09232	0.58442	0.07379	0.0572	0.04813	2.71423159	0.002047857	2.364E-07	0.0086038	0.4848672	0.018366	0.009342	0.00753962	3.229919
4147	492363.09	3855377.25	0.14149	0.05089	0.11005	0.09879	0.58391	0.07541	0.0522	0.05089	2.61196101	0.002165291	2.639E-07	0.0092068	0.4844441	0.018769	0.008522	0.00797198	3.127097
4148	492863.09	3855377.25	0.14172	0.0406	0.0969	0.08566	0.41447	0.07029	0.0501	0.0406	2.6162069	0.001727467	2.324E-07	0.0079832	0.3438673	0.017495	0.008176	0.00636004	2.989096
4149	493363.09	3855377.25	0.13309	0.03732	0.07108	0.09693	0.31088	0.06064	0.0449	0.03732	2.45689371	0.001587908	1.705E-07	0.0090335	0.2579233	0.015093	0.007331	0.00584622	2.742016
4150	493863.09	3855377.25	0.11058	0.03683	0.0515	0.06648	0.22253	0.04532	0.0371	0.03683	2.04135026	0.00156706	1.235E-07	0.0061957	0.1846232	0.01128	0.006054	0.00576946	2.245301
4151	494363.09	3855377.25	0.06981	0.03207	0.03916	0.04374	0.17312	0.034	0.0322	0.03207	1.28872004	0.001364529	9.392E-08	0.0040764	0.1436299	0.008462	0.005262	0.0050238	1.446492
4152	494863.09	3855377.25	0.05026	0.01956	0.03117	0.03335	0.13279	0.03007	0.0201	0.01956	0.92781935	0.000832248	7.476E-08	0.0031081	0.1101699	0.007484	0.003273	0.0030641	1.049623
4153	495363.09	3855377.25	0.03498	0.01495	0.02681	0.02604	0.11084	0.02395	0.0149	0.01495	0.64574455	0.000636099	6.43E-08	0.0024268	0.091959	0.005961	0.002437	0.00234194	0.746823
4154	495863.09	3855377.25	0.02983	0.01283	0.02479	0.02721	0.09245	0.02192	0.0131	0.01283	0.55067352	0.000545897	5.945E-08	0.0025359	0.0767016	0.005456	0.002138	0.00200984	0.636041
4155	496363.09	3855377.25	0.02934	0.01299	0.02434	0.02817	0.0845	0.02172	0.0128	0.01299	0.54162793	0.000552704	5.838E-08	0.0026253	0.0701059	0.005406	0.002093	0.0020349	0.620376
4156	496863.09	3855377.25	0.02894	0.01237	0.02274	0.02874	0.07361	0.02123	0.0127	0.01237	0.53424377	0.000526324	5.454E-08	0.0026784	0.0610709	0.005284	0.002068	0.00193778	0.603934
4157	497363.09	3855377.25	0.03015	0.01293	0.02185	0.02681	0.081	0.02189	0.0128	0.01293	0.55658085	0.000550152	5.24E-08	0.0024986	0.0672021	0.005448	0.002089	0.0020255	0.632344

4158	497863.09	3855377.25	0.03109	0.01327	0.02501	0.02768	0.08372	0.02329	0.0134	0.01327	0.57393362	0.000564618	5.998E-08	0.0025797	0.0694587	0.005797	0.002192	0.00207876	0.652447
4159	498363.09	3855377.25	0.03175	0.01377	0.02468	0.02781	0.09067	0.02492	0.0137	0.01377	0.58611748	0.000585892	5.919E-08	0.0025918	0.0752249	0.006203	0.002236	0.00215709	0.670802
4160	471363.09	3855877.25	0.05176	0.03374	0.02926	0.03218	0.06745	0.03002	0.0341	0.03374	0.95550994	0.001435585	7.018E-08	0.002999	0.0559603	0.007472	0.005566	0.00528541	1.023657
4161	471863.09	3855877.25	0.05463	0.03629	0.03008	0.03269	0.07234	0.03021	0.0361	0.03629	1.00849127	0.001544084	7.214E-08	0.0030466	0.0600173	0.007519	0.005899	0.00568487	1.080833
4162	472363.09	3855877.25	0.06136	0.03993	0.03401	0.03479	0.07324	0.03117	0.0403	0.03993	1.13272972	0.00169896	8.157E-08	0.0032423	0.060764	0.007758	0.006581	0.00625508	1.206519
4163	472863.09	3855877.25	0.06624	0.0402	0.0324	0.03423	0.07407	0.03178	0.0408	0.0402	1.22281644	0.001710448	7.771E-08	0.0031901	0.0614526	0.00791	0.006656	0.00629738	1.297439
4164	473363.09	3855877.25	0.07119	0.04221	0.03808	0.03651	0.09539	0.03869	0.0429	0.04221	1.31419538	0.00179597	9.133E-08	0.0034026	0.0791408	0.00963	0.006999	0.00661225	1.408552
4165	473863.09	3855877.25	0.07435	0.04317	0.03916	0.03936	0.0948	0.04472	0.0439	0.04317	1.37253022	0.001836817	9.392E-08	0.0036682	0.0786513	0.011131	0.007162	0.00676263	1.468217
4166	474363.09	3855877.25	0.07755	0.04651	0.03781	0.04171	0.09152	0.04848	0.047	0.04651	1.43160348	0.001978929	9.068E-08	0.0038872	0.0759301	0.012067	0.007678	0.00728585	1.525859
4167	474863.09	3855877.25	0.07554	0.03773	0.03636	0.03558	0.08708	0.03629	0.0382	0.03773	1.39449809	0.001605353	8.72E-08	0.0033159	0.0722464	0.009032	0.006229	0.00591045	1.481017
4168	475363.09	3855877.25	0.05417	0.02695	0.03638	0.02736	0.07694	0.03177	0.0256	0.02695	0.99999949	0.001146681	8.725E-08	0.0025498	0.0638337	0.007907	0.00417	0.00422175	1.075386
4169	475863.09	3855877.25	0.04011	0.01779	0.01987	0.01898	0.04533	0.02583	0.0168	0.01779	0.74044636	0.000756937	4.766E-08	0.0017689	0.0376083	0.006429	0.002742	0.00278683	0.786965
4170	476363.09	3855877.25	0.04089	0.01797	0.02094	0.02282	0.04628	0.02675	0.0178	0.01797	0.75484547	0.000764596	5.022E-08	0.0021267	0.0383964	0.006658	0.002902	0.00281502	0.802878
4171	476863.09	3855877.25	0.05173	0.02205	0.02647	0.0276	0.05893	0.03136	0.0227	0.02205	0.95495613	0.000938193	6.348E-08	0.0025722	0.0488916	0.007805	0.003704	0.00345416	1.015413
4172	477363.09	3855877.25	0.05315	0.02303	0.02778	0.03168	0.06812	0.03175	0.023	0.02303	0.98116989	0.000979891	6.663E-08	0.0029524	0.0565161	0.007902	0.003749	0.00360768	1.049663
4173	477863.09	3855877.25	0.0549	0.02464	0.03762	0.03212	0.06945	0.03572	0.0259	0.02464	1.01347558	0.001048394	9.023E-08	0.0029935	0.0576196	0.008891	0.004224	0.00385989	1.084392
4174	478363.09	3855877.25	0.07536	0.02791	0.04308	0.03419	0.07624	0.03964	0.0292	0.02791	1.39117522	0.001187527	1.033E-07	0.0031864	0.0632529	0.009866	0.004771	0.00437214	1.469067
4175	478863.09	3855877.25	0.09998	0.03373	0.05993	0.0434	0.08313	0.05014	0.0326	0.03373	1.8456701	0.001435159	1.437E-07	0.0040447	0.0689692	0.01248	0.005316	0.00528385	1.932632
4176	479363.09	3855877.25	0.14268	0.03971	0.05242	0.06831	0.09785	0.06556	0.0451	0.03971	2.63392888	0.001689599	1.257E-07	0.0063662	0.0811818	0.016318	0.007367	0.00622062	2.74063
4177	479863.09	3855877.25	0.19189	0.04765	0.07168	0.08793	0.11622	0.07946	0.0538	0.04765	3.54236482	0.002027434	1.719E-07	0.0081947	0.0964225	0.019777	0.00878	0.00746443	3.670103
4178	480363.09	3855877.25	0.23454	0.0561	0.07693	0.10543	0.15293	0.09545	0.0635	0.0561	4.32970058	0.002386968	1.845E-07	0.0098256	0.1268792	0.023757	0.010358	0.00878813	4.49412
4179	480863.09	3855877.25	0.27511	0.06939	0.17346	0.13128	0.2783	0.11971	0.0733	0.06939	5.07863873	0.002952437	4.16E-07	0.0122348	0.2308931	0.029795	0.01196	0.01087003	5.355605
4180	481363.09	3855877.25	0.3214	0.07113	0.14184	0.14379	0.18908	0.11902	0.0766	0.07113	5.93317032	0.003026472	3.402E-07	0.0134006	0.1568712	0.029624	0.012503	0.0111426	6.137453
4181	481863.09	3855877.25	0.30815	0.11503	0.23963	0.14124	0.28278	0.16442	0.0845	0.11503	5.68857012	0.004894349	5.747E-07	0.013163	0.2346099	0.040924	0.013788	0.01801959	5.97793
4182	482363.09	3855877.25	0.35773	0.11865	0.33074	0.1395	0.36477	0.20097	0.0862	0.11865	6.6038364	0.005048374	7.932E-07	0.0130008	0.3026334	0.050021	0.01407	0.01858667	6.970024
4183	482863.09	3855877.25	0.47164	0.14789	0.54244	0.15205	0.44806	0.26302	0.094	0.14789	8.70665978	0.006292491	1.301E-06	0.0141704	0.3717354	0.065465	0.015337	0.02316715	9.156494
4184	483363.09	3855877.25	0.65738	0.21775	0.44591	0.16007	0.45773	0.41893	0.104	0.21775	12.1354932	0.009264927	1.069E-06	0.0149179	0.3797581	0.10427	0.016976	0.0341108	12.62657
4185	483863.09	3855877.25	0.62954	0.34269	0.68473	0.19126	0.40669	1.10434	0.1141	0.34269	11.6215558	0.014580931	1.642E-06	0.0178246	0.3374125	0.274866	0.018616	0.05368281	12.23118
4186	484363.09	3855877.25	0.65342	0.90209	0.94173	0.2275	0.3711	0.29973	0.1488	0.90209	12.06239	0.038382538	2.259E-06	0.0212021	0.3078851	0.074602	0.024293	0.1413135	12.38744
4187	484863.09	3855877.25	0.69158	0.23039	0.99443	0.32096	0.45477	0.2238	0.2067	0.23039	12.7668386	0.009802739	2.385E-06	0.0299121	0.3773024	0.055703	0.033738	0.03609087	13.23721
4188	485363.09	3855877.25	0.69519	0.13918	1.00549	0.49278	0.48605	0.33709	0.4254	0.13918	12.8334806	0.005921894	2.412E-06	0.0459251	0.403254	0.083901	0.069433	0.02180272	13.42011
4189	485863.09	3855877.25	0.57198	0.10749	0.64736	3.29437	0.47688	0.75409	0.5286	0.10749	10.5589756	0.004573534	1.553E-06	0.3070217	0.395646	0.18769	0.086275	0.01683844	11.52334
4190	486363.09	3855877.25	0.47192	0.0815	0.4017	0.47718	0.35205	0.2731	0.2418	0.0815	8.71182869	0.003467699	9.634E-07	0.0444712	0.2920802	0.067974	0.039464	0.01276707	9.146519
4191	486863.09	3855877.25	0.43219	0.09083	0.28577	0.29114	0.36863	0.20316	0.1506	0.09083	7.97839727	0.003864676	6.854E-07	0.027133	0.3058359	0.050566	0.024577	0.01422863	8.376146
4192	487363.09	3855877.25	0.3505	0.09824	0.26861	0.24513	0.8105	0.17377	0.1457	0.09824	6.47036776	0.00417996	6.442E-07	0.0228451	0.6724357	0.043251	0.023779	0.01538942	7.22147
4193	487863.09	3855877.25	0.30893	0.07806	0.27941	0.21099	0.5845	0.15593	0.1251	0.07806	5.70296922	0.003321333	6.701E-07	0.0196634	0.4849336	0.03881	0.020417	0.01222819	6.257887
4194	488363.09	3855877.25	0.25296	0.06637	0.26868	0.18138	0.69317	0.13766	0.1109	0.06637	4.66974102	0.002823941	6.444E-07	0.0169039	0.5750922	0.034263	0.018109	0.01039694	5.306536
4195	488863.09	3855877.25	0.22967	0.06505	0.21182	0.16868	1.03898	0.12278	0.0968	0.06505	4.23979847	0.002767777	5.08E-07	0.0157203	0.8619953	0.03056	0.015804	0.01019016	5.156456
4196	489363.09	3855877.25	0.21066	0.06103	0.20414	0.15136	0.95622	0.11164	0.0817	0.06103	3.8888664	0.002596732	4.896E-07	0.0141061	0.793333	0.027787	0.013329	0.00956042	4.730458
4197	489863.09	3855877.25	0.1996	0.05032	0.16298	0.12372	0.94601	0.11002	0.0695	0.05032	3.68469445	0.002141038	3.909E-07	0.0115302	0.7848623	0.027384	0.011336	0.00788269	4.514065
4198	490363.09	3855877.25	0.18812	0.05714	0.14791	0.1174	1.08528	0.10127	0.0642	0.05714	3.47276914	0.002431219	3.547E-07	0.0109412	0.9004084	0.025206	0.010484	0.00895105	4.413289
4199	490863.09	3855877.25	0.19172	0.05265	0.13756	0.12799	0.94084	0.09187	0.0658	0.05265	3.53922655	0.002240176	3.299E-07	0.0119281	0.7805729	0.022866	0.010747	0.00824769	4.359334
4200	491363.09	3855877.25	0.18341	0.04273	0.09883	0.10009	0.61405	0.07449	0.056	0.04273	3.38582069	0.001818096	2.37E-07	0.009328	0.5094499	0.01854	0.009134	0.00669371	3.927398
4201	491863.09	3855877.25	0.16755	0.04812	0.09379	0.12137	0.67251	0.08454	0.0545	0.04812	3.09303885	0.002047432	2.249E-07	0.0113112	0.5579515	0.021042	0.008902	0.00753806	3.686755
4202	492363.09	3855877.25	0.15503	0.04806	0.08902	0.13239	0.60199	0.07788	0.0561	0.04806	2.86191473	0.002044879	2.135E-07	0.0123382	0.4994442	0.019384	0.009149	0.00752866	3.396747
4203	492863.09	3855877.25	0.15236	0.04931	0.11331	0.14371	0.57325	0.06839	0.0522	0.04931	2.81262548	0.002098064	2.718E-07	0.0133932	0.4755999	0.017022	0.008522	0.00772447	3.321537
4204	493363.09	3855877.25	0.13203	0.03899	0.06478	0.08005	0.33901	0.05109	0.0393	0.03899	2.43732569	0.001658964	1.554E-07	0.0074603	0.2812615	0.012716	0.006415	0.00610783	2.74073
4205	493863.09	3855877.25	0.08932	0.03074	0.04359	0.06495	0.22845	0.03728	0.0308	0.03074	1.64888231	0.00130794	1.045E-07	0.0060531	0.1895348	0.009279	0.005023	0.00481546	1.855264
4206	494363.09	3855877.25	0.05473	0.02421	0.03707	0.03903	0.15427	0.03135	0.0237	0.02421	1.01033731	0.001030098	8.891E-08	0.0036374	0.1279909	0.007803	0.003875	0.00379253	1.150881
4207	494863.09	3855877.25	0.03949	0.01606	0.03051	0.03241	0.1158	0.02603	0.0162	0.01606	0.72900092	0.000683328	7.317E-08	0.0030205	0.0960741	0.006479	0.002636	0.00251582	0.835378
4208	495363.09	3855877.25	0.03074	0.01268	0.02394	0.03207	0.08713	0.02377	0.0131	0.01268	0.56747248	0.000539514	5.742E-08	0.0029888	0.0722879	0.005916	0.002138	0.00198634	0.649357
4209	495863.09	3855877.25	0.03049	0.01235	0.02422	0.03058	0.08373	0.02255	0.0128	0.01235	0.56285738	0.000525473	5.809E-08	0.0028499	0.069467	0.005613	0.002083	0.00193464	0.641461
4210	496363.09	3855877.25	0.03022	0.01224	0.02346	0.02894	0.07994	0.02315	0.0129	0.01224	0.55787308	0.000520793	5.627E-08	0.0026971	0.0663226	0.005762	0.002111	0.00191741	0.633369
4211	496863.09	3855877.25	0.0309	0.01237	0.02451	0.02886	0.08265	0.02354	0.0128	0.01237	0.57042615	0.000526324	5.878E-08	0.0026896	0.068571	0.005859	0.002084	0.00193778	0.648219
4212	497363.09	3855877.25	0.03095	0.01276	0.02512	0.02976	0.08287	0.0251	0.013	0.01276	0.57134916	0.000542918	6.025E-08	0.0027735	0.0687535	0.006247	0.002117	0.00199887	0.649785
4213	497863.09	3855877.25	0.03209	0.01351	0.0243	0.03081	0.0861	0.02494	0.0141	0.01351	0.59239401	0.00057483	5.828E-08	0.0028714	0.0714333	0.006207	0.002302	0.00211636	0.673666
4214	498363.09	3855877.25	0.03807	0.01548	0.02648	0.03318	0.09253	0.02883	0.0151	0.01548	0.70278716	0.00065865	6.351E-08	0.0030922	0.076768	0.007176	0.00247	0.00242496	0.790527

4215	471363.09	3856377.25	0.05989	0.03315	0.02868	0.03335	0.05844	0.03023	0.0345	0.03315	1.10559294	0.001410481	6.878E-08	0.0031081	0.0484851	0.007524	0.005635	0.00519299	1.166562
4216	471863.09	3856377.25	0.0617	0.03369	0.02952	0.03344	0.0628	0.03246	0.0364	0.03369	1.13900625	0.001433458	7.08E-08	0.0031165	0.0521024	0.008079	0.005948	0.00527758	1.204408
4217	472363.09	3856377.25	0.06448	0.03425	0.0312	0.03536	0.06733	0.03443	0.0377	0.03425	1.19032614	0.001457285	7.483E-08	0.0032954	0.0558607	0.00857	0.006146	0.0053653	1.260289
4218	472863.09	3856377.25	0.06815	0.03473	0.03819	0.03827	0.07196	0.03707	0.0387	0.03473	1.25807579	0.001477708	9.159E-08	0.0035666	0.059702	0.009227	0.006319	0.0054405	1.332927
4219	473363.09	3856377.25	0.07312	0.03546	0.03769	0.04081	0.07673	0.03915	0.0391	0.03546	1.34982394	0.001508768	9.039E-08	0.0038033	0.0636595	0.009744	0.006377	0.00555485	1.429362
4220	473863.09	3856377.25	0.07897	0.04076	0.04502	0.04387	0.08131	0.04734	0.0405	0.04076	1.45781724	0.001734275	1.08E-07	0.0040885	0.0674593	0.011783	0.006603	0.0063851	1.5431
4221	474363.09	3856377.25	0.08337	0.04268	0.04069	0.04452	0.08674	0.05108	0.0424	0.04268	1.53904297	0.001815968	9.759E-08	0.0041491	0.0719643	0.012714	0.006916	0.00668587	1.629916
4222	474863.09	3856377.25	0.08594	0.04024	0.03665	0.04441	0.08888	0.04265	0.0401	0.04024	1.58648618	0.00171215	8.79E-08	0.0041388	0.0737398	0.010615	0.006537	0.00630365	1.676926
4223	475363.09	3856377.25	0.07905	0.03294	0.03225	0.03707	0.09089	0.03445	0.0361	0.03294	1.45929407	0.001401546	7.735E-08	0.0034548	0.0754074	0.008574	0.005891	0.00516009	1.548863
4224	475863.09	3856377.25	0.05872	0.02645	0.03526	0.03045	0.06368	0.03332	0.0258	0.02645	1.08399428	0.001125407	8.457E-08	0.0028378	0.0528325	0.008293	0.00421	0.00414342	1.14915
4225	476363.09	3856377.25	0.05555	0.02576	0.03814	0.02911	0.06902	0.0335	0.0249	0.02576	1.02547483	0.001096048	9.147E-08	0.0027129	0.0572628	0.008338	0.004058	0.00403534	1.094907
4226	476863.09	3856377.25	0.05509	0.02597	0.03191	0.02906	0.06801	0.03346	0.0249	0.02597	1.01698305	0.001104983	7.653E-08	0.0027083	0.0564249	0.008328	0.004068	0.00406823	1.085549
4227	477363.09	3856377.25	0.05837	0.02523	0.03566	0.02929	0.07396	0.03508	0.0252	0.02523	1.07753314	0.001073498	8.552E-08	0.0027297	0.0613613	0.008731	0.004113	0.00395231	1.15159
4228	477863.09	3856377.25	0.05235	0.0238	0.03283	0.02932	0.073	0.03503	0.0232	0.0238	0.96640158	0.001012653	7.874E-08	0.0027325	0.0605648	0.008719	0.003785	0.0037283	1.039487
4229	478363.09	3856377.25	0.05322	0.023	0.03496	0.02761	0.07252	0.03684	0.0224	0.023	0.98246212	0.000978615	8.385E-08	0.0025731	0.0601666	0.009169	0.003656	0.00360298	1.055403
4230	478863.09	3856377.25	0.08109	0.02926	0.04776	0.03469	0.10692	0.04313	0.0275	0.02926	1.49695327	0.001244968	1.145E-07	0.003233	0.0887068	0.010735	0.004484	0.00458361	1.600773
4231	479363.09	3856377.25	0.11133	0.03243	0.05911	0.04309	0.11737	0.047	0.036	0.03243	2.05519556	0.001379846	1.418E-07	0.0040158	0.0973766	0.011698	0.00587	0.0050802	2.170456
4232	479863.09	3856377.25	0.19014	0.0478	0.07109	0.07168	0.13587	0.06937	0.0497	0.0478	3.51005913	0.002033816	1.705E-07	0.0066803	0.1127253	0.017266	0.008116	0.00748793	3.649392
4233	480363.09	3856377.25	0.2291	0.0556	0.08623	0.09009	0.13083	0.09179	0.0612	0.0556	4.22927605	0.002365694	2.068E-07	0.008396	0.1085438	0.022846	0.009996	0.00870981	4.372714
4234	480863.09	3856377.25	0.25548	0.06978	0.12995	0.12499	0.1457	0.11858	0.0728	0.06978	4.71626121	0.002969031	3.117E-07	0.0116486	0.1208808	0.029514	0.011881	0.01093112	4.882224
4235	481363.09	3856377.25	0.26994	0.08761	0.14588	0.13122	0.14589	0.15178	0.0778	0.08761	4.9831985	0.00372767	3.499E-07	0.0122292	0.1210384	0.037778	0.012701	0.01372421	5.156948
4236	481863.09	3856377.25	0.27336	0.11042	0.26404	0.13804	0.21204	0.17172	0.0813	0.11042	5.04633304	0.004698201	6.333E-07	0.0128648	0.1759201	0.042741	0.013262	0.01729743	5.278522
4237	482363.09	3856377.25	0.31117	0.11675	0.44829	0.14228	0.31968	0.19473	0.0826	0.11675	5.7443205	0.004967532	1.075E-06	0.0132599	0.2652242	0.048468	0.013479	0.01828903	6.071431
4238	482863.09	3856377.25	0.39395	0.12534	0.44737	0.15191	0.37794	0.20316	0.0834	0.12534	7.27247184	0.005333024	1.073E-06	0.0141574	0.3135599	0.050566	0.013613	0.01963466	7.650068
4239	483363.09	3856377.25	0.68501	0.1505	0.40835	0.16796	0.56437	0.27602	0.091	0.1505	12.6455538	0.006403543	9.794E-07	0.0156532	0.4682326	0.0687	0.014846	0.02357601	13.19581
4240	483863.09	3856377.25	0.67844	0.19036	0.63862	0.16116	0.76869	0.39512	0.1016	0.19036	12.5242691	0.008099524	1.532E-06	0.0150194	0.6377478	0.098344	0.016579	0.02982013	13.27024
4241	484363.09	3856377.25	0.66026	0.31674	0.87895	0.1831	0.61445	1.40837	0.1162	0.31674	12.1886591	0.013476798	2.108E-06	0.0170642	0.5097817	0.350539	0.018972	0.04961771	13.04888
4242	484863.09	3856377.25	0.63675	1.21274	1.45456	0.22049	0.7223	0.35813	0.1428	1.21274	11.7546553	0.051600217	3.489E-06	0.0205488	0.5992601	0.089137	0.023301	0.1899772	12.34853
4243	485363.09	3856377.25	0.698	0.29965	0.86068	0.29142	0.93654	0.24088	0.1976	0.29965	12.8853543	0.012749645	2.064E-06	0.0271591	0.7770054	0.059954	0.032261	0.04694054	13.74754
4244	485863.09	3856377.25	0.72737	0.16269	0.69194	0.45467	1.06223	0.31005	0.3619	0.16269	13.4275361	0.006922209	1.66E-06	0.0423734	0.8812848	0.07717	0.059068	0.02548559	14.46887
4245	486363.09	3856377.25	0.68569	0.10141	0.42005	2.01685	0.85869	1.17754	0.5177	0.10141	12.6581069	0.004314839	1.007E-06	0.1879621	0.7124168	0.293086	0.0845	0.015886	13.9245
4246	486863.09	3856377.25	0.48131	0.08328	0.29605	0.62885	1.37766	0.33016	0.2662	0.08328	8.88517178	0.003543436	7.1E-07	0.0586062	1.142983	0.082176	0.043445	0.01304591	10.20288
4247	487363.09	3856377.25	0.38786	0.08921	0.2614	0.32825	1.72118	0.24154	0.179	0.08921	7.16004805	0.003795748	6.269E-07	0.0305915	1.4279862	0.060118	0.029213	0.01397486	8.697779
4248	487863.09	3856377.25	0.32264	0.10342	0.25393	0.24843	1.54416	0.19593	0.1433	0.10342	5.95606121	0.004400361	6.09E-07	0.0231526	1.2811206	0.048766	0.023383	0.01620087	7.320683
4249	488363.09	3856377.25	0.27463	0.09404	0.22419	0.2192	1.72531	0.1677	0.1225	0.09404	5.06977774	0.004001257	5.377E-07	0.0204285	1.4314127	0.04174	0.019996	0.01473148	6.572625
4250	488863.09	3856377.25	0.2387	0.0823	0.27004	0.1942	1.94627	0.15291	0.112	0.0823	4.40649582	0.003501738	6.476E-07	0.0180986	1.6147333	0.038059	0.018278	0.0128924	6.086275
4251	489363.09	3856377.25	0.22138	0.07632	0.19645	0.17563	1.65699	0.14607	0.1	0.07632	4.08676181	0.003247298	4.712E-07	0.016368	1.3747306	0.036356	0.016323	0.01195562	5.521832
4252	489863.09	3856377.25	0.20175	0.07113	0.18147	0.16094	1.4906	0.13882	0.0857	0.07113	3.7243843	0.003026472	4.352E-07	0.0149989	1.2366843	0.034552	0.013981	0.0111426	5.016484
4253	490363.09	3856377.25	0.19506	0.06113	0.18903	0.15587	1.30166	0.12831	0.0725	0.06113	3.60088427	0.002600987	4.534E-07	0.0145264	1.0799292	0.031936	0.011826	0.00957609	4.732127
4254	490863.09	3856377.25	0.19105	0.05304	0.15159	0.15737	1.06319	0.11751	0.0677	0.05304	3.52685809	0.00225677	3.636E-07	0.0146662	0.8820813	0.029248	0.011057	0.00830878	4.457859
4255	491363.09	3856377.25	0.17501	0.05104	0.13686	0.18199	1.05287	0.11175	0.0617	0.05104	3.23075339	0.002171673	3.282E-07	0.0169607	0.8735192	0.027814	0.010063	0.00799548	4.153287
4256	491863.09	3856377.25	0.16799	0.05204	0.13885	0.19883	1.00074	0.0984	0.0586	0.05204	3.10116143	0.002214222	3.33E-07	0.0185301	0.8302693	0.024491	0.009568	0.00815213	3.978083
4257	492363.09	3856377.25	0.16733	0.04525	0.11139	0.21206	0.86264	0.08238	0.0565	0.04525	3.08897757	0.001925318	2.672E-07	0.0197631	0.7156939	0.020504	0.009216	0.00708847	3.848992
4258	492863.09	3856377.25	0.15824	0.04049	0.08462	0.24698	0.55486	0.0682	0.0513	0.04049	2.9211726	0.001722787	2.029E-07	0.0230175	0.4603426	0.016975	0.00838	0.00634281	3.425268
4259	493363.09	3856377.25	0.09313	0.03696	0.04733	0.08059	0.24354	0.04364	0.038	0.03696	1.7192164	0.001572591	1.135E-07	0.0075107	0.2020543	0.010862	0.006196	0.00578983	1.941622
4260	493863.09	3856377.25	0.065	0.03043	0.04118	0.05547	0.19211	0.03785	0.031	0.03043	1.19992555	0.00129475	9.876E-08	0.0051696	0.1593851	0.009421	0.005052	0.0047669	1.375481
4261	494363.09	3856377.25	0.05025	0.019	0.03172	0.04541	0.14157	0.03426	0.0191	0.019	0.92763475	0.000808421	7.608E-08	0.004232	0.1174543	0.008527	0.003123	0.00297637	1.058803
4262	494863.09	3856377.25	0.03326	0.01474	0.02566	0.03611	0.11749	0.02754	0.0143	0.01474	0.61399267	0.000627164	6.154E-08	0.0033653	0.0974762	0.006855	0.002326	0.00230904	0.722333
4263	495363.09	3856377.25	0.03065	0.01224	0.02452	0.03673	0.10212	0.02762	0.0124	0.01224	0.56581105	0.000520793	5.881E-08	0.0034231	0.0847244	0.006875	0.002019	0.00191741	0.661456
4264	495863.09	3856377.25	0.03091	0.0123	0.02496	0.03242	0.0978	0.02652	0.0124	0.0123	0.57061075	0.000523346	5.986E-08	0.0030214	0.0811403	0.006601	0.002019	0.00192681	0.661989
4265	496363.09	3856377.25	0.03009	0.01292	0.0247	0.03158	0.09657	0.02553	0.0126	0.01292	0.55547323	0.000549726	5.924E-08	0.0029431	0.0801198	0.006354	0.002063	0.00202393	0.64548
4266	496863.09	3856377.25	0.03099	0.0143	0.02494	0.03357	0.09414	0.02671	0.0131	0.0143	0.57208758	0.000608443	5.981E-08	0.0031286	0.0781038	0.006648	0.00214	0.00224011	0.660476
4267	497363.09	3856377.25	0.03407	0.01463	0.02576	0.03362	0.09177	0.02618	0.0139	0.01463	0.62894559	0.000622484	6.178E-08	0.0031332	0.0761375	0.006516	0.002274	0.00229181	0.715337
4268	497863.09	3856377.25	0.03867	0.01543	0.02799	0.03528	0.09199	0.03336	0.0153	0.01543	0.7138634	0.000656523	6.713E-08	0.003288	0.07632	0.008303	0.002497	0.00241713	0.802511
4269	498363.09	3856377.25	0.04701	0.01657	0.02896	0.03865	0.10495	0.06474	0.0169	0.01657	0.86782308	0.000705028	6.946E-08	0.003602	0.0870723	0.016114	0.002754	0.00259571	0.975474
4270	471363.09	3856877.25	0.06075	0.02917	0.03537	0.03669	0.0434	0.0365	0.0301	0.02917	1.12146888	0.001241139	8.483E-08	0.0034194	0.036007	0.009085	0.00491	0.00456952	1.171562
4271	471863.09	3856877.25	0.06581	0.02953	0.03513	0.03808	0.04557	0.03728	0.03	0.02953	1.21487847	0.001256456	8.425E-08	0.0035489	0.0378074	0.009279	0.004889	0.00462591	1.267033

4272	472363.09	3856877.25	0.07275	0.03126	0.03499	0.03956	0.048	0.03907	0.032	0.03126	1.34299359	0.001330065	8.392E-08	0.0036868	0.0398235	0.009724	0.005228	0.00489692	1.39789
4273	472863.09	3856877.25	0.07964	0.03387	0.03338	0.04148	0.05062	0.04072	0.0341	0.03387	1.4701857	0.001441116	8.006E-08	0.0038658	0.0419972	0.010135	0.005558	0.00530578	1.527877
4274	473363.09	3856877.25	0.08464	0.03531	0.0352	0.04466	0.05357	0.04576	0.0392	0.03531	1.56248767	0.001502386	8.442E-08	0.0041621	0.0444446	0.01139	0.0064	0.00553135	1.624855
4275	473863.09	3856877.25	0.08852	0.03654	0.03888	0.0459	0.05663	0.04715	0.0411	0.03654	1.63411399	0.001554721	9.325E-08	0.0042777	0.0469834	0.011735	0.006714	0.00572404	1.699655
4276	474363.09	3856877.25	0.09295	0.04011	0.03261	0.0461	0.0597	0.04239	0.041	0.04011	1.71589353	0.001706619	7.821E-08	0.0042963	0.0495304	0.010551	0.006689	0.00628328	1.782384
4277	474863.09	3856877.25	0.10069	0.03751	0.03246	0.04808	0.06304	0.03967	0.0383	0.03751	1.85877698	0.001595993	7.785E-08	0.0044809	0.0523015	0.009874	0.006257	0.00587599	1.92741
4278	475363.09	3856877.25	0.09675	0.03324	0.03099	0.03842	0.06659	0.03478	0.0333	0.03324	1.78604303	0.001414311	7.432E-08	0.0035806	0.0552467	0.008657	0.005437	0.00520709	1.855171
4279	475863.09	3856877.25	0.10484	0.0312	0.02973	0.0372	0.07075	0.03684	0.0317	0.0312	1.93538761	0.001327512	7.13E-08	0.0034669	0.0586981	0.009169	0.005171	0.00488752	2.008333
4280	476363.09	3856877.25	0.0956	0.02848	0.03198	0.03478	0.07513	0.03455	0.0283	0.02848	1.76481358	0.00121178	7.67E-08	0.0032414	0.062332	0.008599	0.004623	0.00446143	1.840359
4281	476863.09	3856877.25	0.07354	0.02881	0.03209	0.03421	0.08004	0.03531	0.0258	0.02881	1.3575773	0.001225821	7.696E-08	0.0031882	0.0664056	0.008789	0.004205	0.00451312	1.436877
4282	477363.09	3856877.25	0.06754	0.02701	0.03434	0.02989	0.08531	0.03598	0.0256	0.02701	1.24681495	0.001149234	8.236E-08	0.0027856	0.0707779	0.008955	0.004174	0.00423115	1.330426
4283	477863.09	3856877.25	0.0477	0.02356	0.03343	0.02631	0.06289	0.03418	0.0217	0.02356	0.88056075	0.001002442	8.018E-08	0.002452	0.052177	0.008507	0.00354	0.0036907	0.944549
4284	478363.09	3856877.25	0.04566	0.0228	0.0322	0.02509	0.06617	0.03562	0.0211	0.0228	0.84290155	0.000970105	7.723E-08	0.0023383	0.0548983	0.008866	0.003436	0.00357165	0.909838
4285	478863.09	3856877.25	0.05507	0.02414	0.04174	0.02881	0.08191	0.03738	0.0239	0.02414	1.01661384	0.00102712	1.001E-07	0.002685	0.0679571	0.009304	0.003895	0.00378156	1.0977
4286	479363.09	3856877.25	0.06911	0.02729	0.04692	0.03296	0.0993	0.04344	0.0262	0.02729	1.27579776	0.001161147	1.125E-07	0.0030717	0.0823848	0.010812	0.004275	0.00427501	1.373228
4287	479863.09	3856877.25	0.18048	0.0444	0.09098	0.07254	0.12488	0.06606	0.0464	0.0444	3.33173174	0.001889152	2.182E-07	0.0067604	0.1036074	0.016442	0.007567	0.00695531	3.461043
4288	480363.09	3856877.25	0.2275	0.05426	0.0954	0.09521	0.13301	0.08076	0.0608	0.05426	4.19973942	0.002308679	2.288E-07	0.0088732	0.1103525	0.020101	0.009923	0.0084999	4.342798
4289	480863.09	3856877.25	0.23845	0.07828	0.16887	0.11324	0.16142	0.11247	0.0725	0.07828	4.40188072	0.003330693	4.05E-07	0.0105535	0.133923	0.027993	0.011839	0.01226266	4.577258
4290	481363.09	3856877.25	0.24894	0.08931	0.20648	0.12723	0.17102	0.14085	0.0736	0.08931	4.59553024	0.003800003	4.952E-07	0.0118573	0.1418877	0.035057	0.012019	0.01399052	4.786161
4291	481863.09	3856877.25	0.27361	0.09833	0.23616	0.13215	0.19981	0.15636	0.0796	0.09833	5.05094814	0.00418379	5.664E-07	0.0123158	0.1657734	0.038917	0.012991	0.01540351	5.269727
4292	482363.09	3856877.25	0.29119	0.10813	0.30127	0.13028	0.22645	0.1937	0.0802	0.10813	5.37548185	0.004600765	7.225E-07	0.0121416	0.1878755	0.048211	0.013097	0.0169387	5.62447
4293	482863.09	3856877.25	0.34712	0.12209	0.27621	0.13524	0.23533	0.20779	0.081	0.12209	6.40797163	0.005194741	6.624E-07	0.0126038	0.1952428	0.051718	0.013226	0.01912555	6.666833
4294	483363.09	3856877.25	0.50902	0.13759	0.27795	0.14601	0.2972	0.23413	0.0867	0.13759	9.39670927	0.005854242	6.666E-07	0.0136075	0.2465736	0.058274	0.014149	0.02155364	9.713614
4295	483863.09	3856877.25	0.70988	0.15331	0.41998	0.15706	0.32448	0.27065	0.0926	0.15331	13.1046638	0.006523104	1.007E-06	0.0146373	0.2692066	0.067364	0.015118	0.0240162	13.4535
4296	484363.09	3856877.25	0.701	0.17883	0.37119	0.17328	0.35875	0.37719	0.1015	0.17883	12.9407355	0.007608941	8.902E-07	0.016149	0.2976389	0.093881	0.016574	0.02801394	13.34457
4297	484863.09	3856877.25	0.66603	0.27929	0.31177	0.19114	0.54959	0.85642	0.1164	0.27929	12.2951756	0.011883359	7.477E-07	0.0178135	0.4559703	0.21316	0.019001	0.04375112	12.96925
4298	485363.09	3856877.25	0.68441	0.64843	0.58653	0.21175	0.88373	0.40901	0.1424	0.64843	12.6344776	0.027589696	1.407E-06	0.0197342	0.7331913	0.101801	0.023236	0.10157735	13.43845
4299	485863.09	3856877.25	0.73807	0.3995	0.34914	0.27274	1.40254	0.2702	0.1947	0.3995	13.6250623	0.016998109	8.374E-07	0.0254182	1.1636248	0.067252	0.031787	0.06258216	14.86756
4300	486363.09	3856877.25	0.78287	0.12764	0.35587	0.48348	2.4251	0.29807	0.3931	0.12764	14.4520879	0.005430885	8.535E-07	0.0450583	2.0119972	0.074189	0.064164	0.01999496	16.63293
4301	486863.09	3856877.25	0.68408	0.11059	0.31444	1.4627	3.76955	1.38732	0.5643	0.11059	12.6283857	0.004705434	7.541E-07	0.1363176	3.1274273	0.345299	0.092102	0.01732406	16.31691
4302	487363.09	3856877.25	0.45729	0.1085	0.24613	0.63252	8.8454	0.40344	0.2677	0.1085	8.44175314	0.004616508	5.903E-07	0.0589482	7.3386335	0.100415	0.04369	0.01699666	15.97106
4303	487863.09	3856877.25	0.35625	0.10133	0.24681	0.37107	7.60529	0.25711	0.1823	0.10133	6.57651502	0.004311435	5.919E-07	0.0345822	6.3097696	0.063994	0.029753	0.01587347	13.00305
4304	488363.09	3856877.25	0.29443	0.09662	0.28839	0.25136	4.08457	0.20861	0.1383	0.09662	5.43529352	0.004111032	6.917E-07	0.0234257	3.3887854	0.051922	0.022571	0.01513564	8.910974
4305	488863.09	3856877.25	0.2596	0.10108	0.25049	0.22002	2.99849	0.20628	0.1175	0.10108	4.79231803	0.004300798	6.008E-07	0.020505	2.4877133	0.051342	0.019171	0.01583431	7.359517
4306	489363.09	3856877.25	0.23464	0.09233	0.24571	0.20054	2.37857	0.18311	0.1021	0.09233	4.33154662	0.003928499	5.893E-07	0.0186895	1.9733933	0.045575	0.016666	0.01446361	6.375336
4307	489863.09	3856877.25	0.216	0.0873	0.18829	0.18625	1.9534	0.17278	0.0991	0.0873	3.9874449	0.00371448	4.516E-07	0.0173577	1.6206488	0.043004	0.016178	0.01367565	5.674673
4308	490363.09	3856877.25	0.20948	0.07658	0.18813	0.19817	1.65843	0.16057	0.089	0.07658	3.86708313	0.003258361	4.512E-07	0.0184686	1.3759253	0.039965	0.014524	0.01199635	5.307229
4309	490863.09	3856877.25	0.19935	0.06523	0.1706	0.22643	1.35567	0.1369	0.0754	0.06523	3.68007935	0.002775436	4.092E-07	0.0211023	1.1247389	0.034074	0.012314	0.01021836	4.864866
4310	491363.09	3856877.25	0.19381	0.05688	0.14886	0.33441	1.15483	0.12068	0.0683	0.05688	3.57780878	0.002420156	3.57E-07	0.0311656	0.9581109	0.030037	0.011147	0.00891032	4.601779
4311	491863.09	3856877.25	0.18691	0.04708	0.13933	1.56174	0.91036	0.11331	0.0595	0.04708	3.45043206	0.002003181	3.342E-07	0.1455477	0.755285	0.028202	0.009707	0.00737514	4.383803
4312	492363.09	3856877.25	0.18223	0.03742	0.09841	0.64876	0.64479	0.08356	0.053	0.03742	3.36403742	0.001592163	2.36E-07	0.0604617	0.5349535	0.020798	0.008656	0.00586189	3.984637
4313	492863.09	3856877.25	0.14765	0.03323	0.0724	0.16363	0.36063	0.07129	0.0422	0.03323	2.72567703	0.001413885	1.736E-07	0.0152496	0.2991986	0.017744	0.006895	0.00520552	3.060972
4314	493363.09	3856877.25	0.09923	0.02847	0.04776	0.09658	0.25166	0.0507	0.0328	0.02847	1.8318248	0.001211355	1.145E-07	0.0090009	0.2087911	0.012619	0.005351	0.00445986	2.064338
4315	493863.09	3856877.25	0.06367	0.02395	0.03988	0.0657	0.15913	0.03947	0.0238	0.02395	1.17537323	0.001019036	9.565E-08	0.006123	0.1320231	0.009824	0.003888	0.0037518	1.324499
4316	494363.09	3856877.25	0.04247	0.01611	0.03052	0.04867	0.11503	0.03172	0.0162	0.01611	0.78401289	0.000685456	7.32E-08	0.0045358	0.0954353	0.007895	0.002648	0.00252365	0.892688
4317	494863.09	3856877.25	0.03517	0.01371	0.02687	0.042	0.10755	0.03129	0.0139	0.01371	0.64925202	0.000583339	6.444E-08	0.0039142	0.0892294	0.007788	0.002271	0.00214769	0.75089
4318	495363.09	3856877.25	0.03197	0.0138	0.0257	0.03856	0.11442	0.02735	0.0134	0.0138	0.59017877	0.000587169	6.164E-08	0.0035936	0.0949292	0.006807	0.002194	0.00216179	0.696128
4319	495863.09	3856877.25	0.03103	0.01362	0.02453	0.03724	0.09312	0.02817	0.0134	0.01362	0.572826	0.00057951	5.883E-08	0.0034706	0.0772575	0.007011	0.002189	0.00213359	0.6612
4320	496363.09	3856877.25	0.03316	0.01355	0.02617	0.03741	0.08736	0.02693	0.0136	0.01355	0.61214663	0.000576532	6.276E-08	0.0034865	0.0724787	0.006703	0.002215	0.00212262	0.695484
4321	496863.09	3856877.25	0.03353	0.01461	0.02736	0.03822	0.08545	0.02822	0.0141	0.01461	0.61897698	0.000621633	6.562E-08	0.0035619	0.070894	0.007024	0.002305	0.00228867	0.701095
4322	497363.09	3856877.25	0.03477	0.01579	0.02777	0.0391	0.08833	0.03325	0.0148	0.01579	0.64186787	0.00067184	6.66E-08	0.003644	0.0732835	0.008276	0.002422	0.00247352	0.727692
4323	497863.09	3856877.25	0.04658	0.01703	0.0324	0.03907	0.08972	0.06977	0.0173	0.01703	0.85988511	0.0007246	7.771E-08	0.0036412	0.0744367	0.017366	0.002825	0.00266777	0.956211
4324	498363.09	3856877.25	0.05345	0.02478	0.03557	0.04107	0.10311	0.05552	0.0249	0.02478	0.98670801	0.001054351	8.531E-08	0.0038276	0.0855458	0.013819	0.004066	0.00388182	1.091139
4325	471363.09	3857377.25	0.07572	0.03005	0.03323	0.03699	0.05708	0.04052	0.0302	0.03005	1.39782096	0.001278581	7.97E-08	0.0034473	0.0473567	0.010085	0.004933	0.00470737	1.460214
4326	471863.09	3857377.25	0.07699	0.02887	0.03491	0.03761	0.05859	0.04025	0.0308	0.02887	1.42126566	0.001228374	8.373E-08	0.0035051	0.0486095	0.010018	0.005019	0.00452252	1.485124
4327	472363.09	3857377.25	0.07866	0.0288	0.03525	0.04193	0.06335	0.04175	0.0314	0.0288	1.45209452	0.001225396	8.454E-08	0.0039077	0.0525587	0.010391	0.005132	0.00451156	1.520798
4328	472863.09	3857377.25	0.08212	0.03098	0.03565	0.0426	0.06706	0.04183	0.032	0.03098	1.51596748	0.001318151	8.55E-08	0.0039701	0.0556367	0.010411	0.005222	0.00485305	1.587673

4329	473363.09	3857377.25	0.08843	0.03276	0.03852	0.04335	0.06911	0.04183	0.0335	0.03276	1.63245256	0.001393887	9.238E-08	0.00404	0.0573375	0.010411	0.005473	0.00513189	1.705977
4330	473863.09	3857377.25	0.09629	0.03509	0.03821	0.04408	0.07132	0.04265	0.0364	0.03509	1.77755125	0.001493025	9.164E-08	0.0041081	0.059171	0.010615	0.005946	0.00549689	1.853388
4331	474363.09	3857377.25	0.10292	0.03204	0.03591	0.04341	0.0733	0.04181	0.0364	0.03204	1.89994365	0.001363253	8.612E-08	0.0040456	0.0608137	0.010406	0.005937	0.00501911	1.97749
4332	474863.09	3857377.25	0.09456	0.02855	0.02581	0.03715	0.06973	0.03251	0.0312	0.02855	1.74561477	0.001214758	6.19E-08	0.0034622	0.0578519	0.008092	0.005094	0.00447239	1.816857
4333	475363.09	3857377.25	0.06729	0.0233	0.02281	0.02714	0.07189	0.02948	0.0243	0.0233	1.24219985	0.000991379	5.471E-08	0.0025293	0.0596439	0.007337	0.003968	0.00364997	1.31302
4334	475863.09	3857377.25	0.06083	0.02336	0.02473	0.0271	0.07439	0.02945	0.0238	0.02336	1.12294571	0.000993932	5.931E-08	0.0025256	0.0617181	0.00733	0.003878	0.00365937	1.195732
4335	476363.09	3857377.25	0.07517	0.0249	0.03138	0.03016	0.07729	0.03283	0.0255	0.0249	1.38766775	0.001059457	7.526E-08	0.0028108	0.0641241	0.008171	0.004156	0.00390062	1.464089
4336	476863.09	3857377.25	0.07958	0.02533	0.03827	0.03018	0.08024	0.03466	0.026	0.02533	1.46907808	0.001077752	9.178E-08	0.0028127	0.0665715	0.008627	0.004239	0.00396798	1.548438
4337	477363.09	3857377.25	0.06793	0.02652	0.03472	0.02902	0.08329	0.03368	0.0259	0.02652	1.2540145	0.001128385	8.327E-08	0.0027045	0.069102	0.008383	0.004234	0.00415439	1.335412
4338	477863.09	3857377.25	0.05381	0.02413	0.02966	0.02703	0.08646	0.03441	0.0242	0.02413	0.99335375	0.001026694	7.113E-08	0.0025191	0.071732	0.008565	0.003955	0.00377999	1.077371
4339	478363.09	3857377.25	0.04319	0.02301	0.02827	0.02664	0.08986	0.03011	0.0214	0.02301	0.79730438	0.00097904	6.78E-08	0.0024827	0.0745528	0.007494	0.003485	0.00360454	0.882694
4340	478863.09	3857377.25	0.04298	0.0195	0.03228	0.02764	0.08872	0.03008	0.0188	0.0195	0.79342769	0.000829695	7.742E-08	0.0025759	0.073607	0.007487	0.003075	0.0030547	0.877948
4341	479363.09	3857377.25	0.06292	0.025	0.034	0.02876	0.09822	0.03554	0.0245	0.025	1.16152793	0.001063711	8.154E-08	0.0026803	0.0814887	0.008846	0.003991	0.00391628	1.255681
4342	479863.09	3857377.25	0.1663	0.03623	0.05459	0.05339	0.11021	0.06194	0.0427	0.03623	3.06996336	0.001541531	1.309E-07	0.0049757	0.0914363	0.015417	0.00697	0.00567547	3.184628
4343	480363.09	3857377.25	0.13787	0.03378	0.04509	0.04738	0.11185	0.04978	0.0323	0.03378	2.54513439	0.001437287	1.081E-07	0.0044156	0.092797	0.01239	0.005274	0.00529168	2.656157
4344	480863.09	3857377.25	0.23814	0.07015	0.16623	0.11041	0.21717	0.11712	0.0688	0.07015	4.396158	0.002984774	3.987E-07	0.0102898	0.1801763	0.029151	0.011235	0.01098908	4.619006
4345	481363.09	3857377.25	0.25647	0.0672	0.14179	0.12021	0.23935	0.1275	0.0703	0.0672	4.734537	0.002859256	3.401E-07	0.0112031	0.198578	0.031734	0.011472	0.01052696	4.979857
4346	481863.09	3857377.25	0.25341	0.08335	0.2457	0.12578	0.27929	0.1524	0.072	0.08335	4.6780482	0.003546414	5.893E-07	0.0117222	0.2317144	0.037932	0.011759	0.01305688	4.961666
4347	482363.09	3857377.25	0.25127	0.10755	0.20386	0.12551	0.34054	0.22684	0.0831	0.10755	4.63854296	0.004576087	4.889E-07	0.011697	0.2825308	0.05646	0.013566	0.01684784	4.990525
4348	482863.09	3857377.25	0.27816	0.11152	0.24977	0.14032	0.36359	0.24045	0.0872	0.11152	5.13494293	0.004745004	5.99E-07	0.0130772	0.3016544	0.059847	0.014237	0.01746974	5.511034
4349	483363.09	3857377.25	0.29674	0.12261	0.30266	0.15114	0.3936	0.25558	0.0891	0.12261	5.47793703	0.005216866	7.259E-07	0.0140856	0.3265523	0.063613	0.014547	0.01920701	5.882746
4350	483863.09	3857377.25	0.35085	0.13548	0.41514	0.15171	0.53179	0.275	0.0908	0.13548	6.4768289	0.005764465	9.956E-07	0.0141387	0.4412024	0.068447	0.014826	0.02122311	6.999985
4351	484363.09	3857377.25	0.35558	0.15525	0.31307	0.15524	0.79676	0.28336	0.0965	0.15525	6.56414656	0.006605648	7.508E-07	0.0144677	0.6610362	0.070527	0.015755	0.0243201	7.308219
4352	484863.09	3857377.25	0.42238	0.19019	0.18929	0.16527	1.10014	0.3597	0.1033	0.19019	7.79730081	0.008092291	4.54E-07	0.0154025	0.912737	0.089528	0.016863	0.0297935	8.810131
4353	485363.09	3857377.25	0.5885	0.24806	0.36712	0.18662	1.32867	0.69079	0.1145	0.24806	10.8639413	0.01055457	8.805E-07	0.0173922	1.1023382	0.171935	0.018693	0.0388589	12.146
4354	485863.09	3857377.25	0.67757	0.4188	0.50436	0.21403	1.5776	0.52558	0.1398	0.4188	12.5082085	0.017819294	1.21E-06	0.0199467	1.3088643	0.130815	0.022824	0.06560553	13.94287
4355	486363.09	3857377.25	0.69678	0.53934	0.3504	0.28345	2.23176	0.33569	0.1953	0.53934	12.8628327	0.022948085	8.404E-07	0.0264164	1.8515916	0.083552	0.031883	0.08448827	14.79474
4356	486863.09	3857377.25	0.77641	0.16614	0.23307	0.47554	4.10715	0.2983	0.3919	0.16614	14.3328338	0.007069001	5.59E-07	0.0443184	3.407519	0.074246	0.063973	0.02602603	17.90393
4357	487363.09	3857377.25	0.7444	0.14467	0.28718	1.23491	6.36111	0.79514	0.6407	0.14467	13.7419166	0.006155485	6.888E-07	0.1150885	5.277529	0.197908	0.104576	0.02266273	19.42051
4358	487863.09	3857377.25	0.45772	0.136	0.3341	0.68279	9.25744	0.45885	0.2478	0.136	8.4496911	0.00578659	8.013E-07	0.0636332	7.6804846	0.114206	0.04045	0.02130457	16.33295
4359	488363.09	3857377.25	0.34708	0.12094	0.31454	0.39164	6.5057	0.31714	0.1897	0.12094	6.40723322	0.00514581	7.544E-07	0.0364992	5.3974888	0.078935	0.030961	0.0189454	11.93732
4360	488863.09	3857377.25	0.28419	0.11108	0.33579	0.29024	3.31433	0.29144	0.1476	0.11108	5.2462591	0.004726283	8.053E-07	0.0270492	2.7497516	0.072538	0.024086	0.01740082	8.107011
4361	489363.09	3857377.25	0.25739	0.10488	0.40972	0.25213	2.10298	0.27781	0.1246	0.10488	4.75152057	0.004462482	9.826E-07	0.0234975	1.7447486	0.069146	0.020338	0.01642958	6.597285
4362	489863.09	3857377.25	0.2361	0.09784	0.32283	0.30783	1.73386	0.22269	0.1066	0.09784	4.3584988	0.004162941	7.743E-07	0.0286885	1.4385062	0.055427	0.017399	0.01532676	5.887356
4363	490363.09	3857377.25	0.22778	0.08807	0.30775	0.29466	1.48819	0.19307	0.0956	0.08807	4.20490833	0.003747243	7.381E-07	0.0274611	1.2346848	0.048054	0.015598	0.01379627	5.520659
4364	490863.09	3857377.25	0.20981	0.07564	0.25628	0.3499	1.30166	0.17189	0.0821	0.07564	3.87317506	0.003218365	6.146E-07	0.0326092	1.0799292	0.042783	0.013395	0.0118491	5.033261
4365	491363.09	3857377.25	0.19969	0.06891	0.2192	0.8013	1.14312	0.15406	0.0768	0.06891	3.68635589	0.002932014	5.257E-07	0.0746778	0.9483956	0.038345	0.012528	0.01079484	4.75244
4366	491863.09	3857377.25	0.18964	0.05746	0.16587	0.60929	0.97977	0.13263	0.0655	0.05746	3.50082894	0.002444834	3.978E-07	0.0567833	0.8128714	0.033011	0.010695	0.00900118	4.407634
4367	492363.09	3857377.25	0.18276	0.03637	0.09665	0.19336	0.59119	0.08604	0.0509	0.03637	3.37382143	0.001547487	2.318E-07	0.0180204	0.4904839	0.021415	0.008313	0.0056974	3.907904
4368	492863.09	3857377.25	0.12465	0.02752	0.06714	0.09792	0.25249	0.06157	0.0337	0.02752	2.30108799	0.001170934	1.61E-07	0.0091257	0.2094797	0.015325	0.005501	0.00431104	2.537379
4369	493363.09	3857377.25	0.07612	0.02226	0.05015	0.0752	0.17456	0.04633	0.0255	0.02226	1.40520512	0.000947129	1.203E-07	0.0070083	0.1448246	0.011531	0.004166	0.00348706	1.570195
4370	493863.09	3857377.25	0.0643	0.02066	0.04355	0.0663	0.14505	0.04222	0.0237	0.02066	1.18700327	0.000879051	1.044E-07	0.0061789	0.1203415	0.010508	0.003875	0.00323641	1.32555
4371	494363.09	3857377.25	0.04587	0.01807	0.03991	0.05483	0.11491	0.039	0.0178	0.01807	0.84677823	0.000768851	9.572E-08	0.0051099	0.0953357	0.009707	0.002897	0.00283069	0.957766
4372	494863.09	3857377.25	0.04324	0.01714	0.04081	0.04728	0.10222	0.03527	0.0164	0.01714	0.7982274	0.000729281	9.788E-08	0.0044063	0.0848074	0.008779	0.002669	0.002685	0.896933
4373	495363.09	3857377.25	0.04012	0.01586	0.03683	0.04326	0.09633	0.03281	0.0155	0.01586	0.74063097	0.000674819	8.833E-08	0.0040317	0.0799207	0.008166	0.00253	0.00248449	0.83347
4374	495863.09	3857377.25	0.03885	0.01607	0.03437	0.04038	0.09387	0.03336	0.0157	0.01607	0.71718627	0.000683754	8.243E-08	0.0037632	0.0778797	0.008303	0.002561	0.00251739	0.80786
4375	496363.09	3857377.25	0.03938	0.01614	0.03171	0.04022	0.09185	0.03963	0.0159	0.01614	0.72697028	0.000686732	7.605E-08	0.0037483	0.0762038	0.009864	0.002592	0.00252835	0.817537
4376	496863.09	3857377.25	0.04166	0.01641	0.03347	0.03976	0.08776	0.03695	0.0159	0.01641	0.76905997	0.00069822	8.027E-08	0.0037055	0.0728106	0.009197	0.0026	0.00257065	0.855501
4377	497363.09	3857377.25	0.04995	0.01756	0.0366	0.03891	0.08618	0.08129	0.0177	0.01756	0.92209663	0.000747151	8.778E-08	0.0036263	0.0714997	0.020233	0.002883	0.0027508	1.018334
4378	497863.09	3857377.25	0.05463	0.02075	0.03817	0.04156	0.10956	0.16521	0.0209	0.02075	1.00849127	0.00088288	9.154E-08	0.0038732	0.090897	0.04112	0.003408	0.00325051	1.145422
4379	498363.09	3857377.25	0.06643	0.02646	0.04548	0.04809	0.12603	0.14247	0.0262	0.02646	1.22632391	0.001125832	1.091E-07	0.0044818	0.1045615	0.03546	0.004268	0.00414499	1.372077
4380	471363.09	3857877.25	0.07932	0.02878	0.02745	0.03538	0.06768	0.03879	0.0286	0.02878	1.46427838	0.001224545	6.583E-08	0.0032973	0.0561511	0.009655	0.004662	0.00450842	1.534759
4381	471863.09	3857877.25	0.08246	0.02859	0.03178	0.03575	0.06907	0.03855	0.0285	0.02859	1.52224401	0.00121646	7.622E-08	0.0033318	0.0573043	0.009595	0.004652	0.00447866	1.593865
4382	472363.09	3857877.25	0.08543	0.0287	0.02947	0.03615	0.07055	0.03884	0.0286	0.0287	1.57707138	0.001221141	7.068E-08	0.003369	0.0585322	0.009667	0.00466	0.00449589	1.650025
4383	472863.09	3857877.25	0.09034	0.03051	0.03578	0.03663	0.07627	0.04006	0.0301	0.03051	1.66771191	0.001298153	8.581E-08	0.0034138	0.0632778	0.009971	0.00491	0.00477943	1.745803
4384	473363.09	3857877.25	0.09675	0.03079	0.04079	0.0372	0.07738	0.04062	0.0314	0.03079	1.78604303	0.001310067	9.783E-08	0.0034669	0.0641987	0.01011	0.005127	0.00482329	1.865433
4385	473863.09	3857877.25	0.10506	0.03248	0.03881	0.03951	0.0785	0.04589	0.0341	0.03248	1.93944889	0.001381974	9.308E-08	0.0036822	0.0651279	0.011422	0.005564	0.00508803	2.021539

4386	474363.09	3857877.25	0.10711	0.02867	0.03749	0.03727	0.07928	0.04071	0.0273	0.02867	1.9772927	0.001219864	8.991E-08	0.0034734	0.0657751	0.010133	0.004455	0.00449119	2.057857
4387	474863.09	3857877.25	0.09271	0.02248	0.03059	0.03308	0.08458	0.03167	0.0228	0.02248	1.71146304	0.000956489	7.337E-08	0.0030829	0.0701722	0.007883	0.003725	0.00352152	1.793761
4388	475363.09	3857877.25	0.04766	0.0193	0.02513	0.02538	0.07909	0.0259	0.0193	0.0193	0.87982233	0.000821185	6.027E-08	0.0023653	0.0656174	0.006446	0.003152	0.00302337	0.955201
4389	475863.09	3857877.25	0.03054	0.01218	0.02007	0.01932	0.05464	0.02065	0.0121	0.01218	0.5637804	0.00051824	4.813E-08	0.0018005	0.0453324	0.00514	0.001969	0.00190801	0.616632
4390	476363.09	3857877.25	0.05378	0.02197	0.02747	0.0285	0.08152	0.02845	0.022	0.02197	0.99279994	0.00093479	6.588E-08	0.0026561	0.0676335	0.007081	0.003583	0.00344163	1.071247
4391	476863.09	3857877.25	0.06656	0.02382	0.03362	0.02979	0.08363	0.03289	0.0239	0.02382	1.22872376	0.001013504	8.063E-08	0.0027763	0.0693841	0.008186	0.003904	0.00373143	1.310257
4392	477363.09	3857877.25	0.06884	0.02398	0.03655	0.03013	0.08305	0.03381	0.0238	0.02398	1.27081346	0.001020312	8.766E-08	0.002808	0.0689029	0.008415	0.00388	0.0037565	1.352083
4393	477863.09	3857877.25	0.06536	0.02412	0.03517	0.03061	0.08617	0.03222	0.0238	0.02412	1.20657129	0.001026269	8.435E-08	0.0028527	0.0714914	0.008019	0.003886	0.00377843	1.290069
4394	478363.09	3857877.25	0.03868	0.01718	0.02701	0.02372	0.07523	0.03034	0.0171	0.01718	0.714048	0.000730983	6.478E-08	0.0022106	0.062415	0.007552	0.002791	0.00269127	0.787056
4395	478863.09	3857877.25	0.03888	0.0175	0.02542	0.02083	0.06191	0.02673	0.0171	0.0175	0.71774008	0.000744598	6.097E-08	0.0019413	0.051364	0.006653	0.00279	0.0027414	0.778491
4396	479363.09	3857877.25	0.16224	0.0329	0.04701	0.04724	0.12125	0.05051	0.0382	0.0329	2.99501417	0.001399844	1.127E-07	0.0044026	0.1005957	0.012572	0.006237	0.00515383	3.115067
4397	479863.09	3857877.25	0.19407	0.05605	0.09685	0.06583	0.13445	0.07549	0.0591	0.05605	3.58260848	0.002384841	2.323E-07	0.0061351	0.1115472	0.018789	0.009645	0.0087803	3.72233
4398	480363.09	3857877.25	0.20066	0.06316	0.11569	0.07243	0.20417	0.09248	0.06	0.06316	3.70426247	0.002687361	2.775E-07	0.0067502	0.1693907	0.023018	0.00979	0.00989409	3.906005
4399	480863.09	3857877.25	0.21267	0.06487	0.1086	0.08388	0.21533	0.10129	0.0644	0.06487	3.92597179	0.002760118	2.605E-07	0.0078173	0.1786497	0.025211	0.010517	0.01016196	4.140765
4400	481363.09	3857877.25	0.22457	0.06642	0.12634	0.09152	0.35009	0.12345	0.0637	0.06642	4.14565047	0.002826069	3.03E-07	0.0085293	0.290454	0.030726	0.01039	0.01040477	4.478171
4401	481863.09	3857877.25	0.23039	0.07656	0.15722	0.10779	0.55913	0.14205	0.0653	0.07656	4.25308995	0.00325751	3.771E-07	0.0100456	0.4638852	0.035356	0.010664	0.01199322	4.764305
4402	482363.09	3857877.25	0.2319	0.09773	0.18171	0.12798	0.54506	0.18363	0.0763	0.09773	4.28096515	0.004158261	4.358E-07	0.0119272	0.4522119	0.045705	0.012446	0.01530952	4.792105
4403	482863.09	3857877.25	0.2378	0.10446	0.24112	0.13608	0.6909	0.20303	0.0739	0.10446	4.38988147	0.004444612	5.783E-07	0.0126821	0.5732089	0.050533	0.012056	0.01636379	5.026443
4404	483363.09	3857877.25	0.24798	0.11346	0.27581	0.14903	0.68637	0.23476	0.0809	0.11346	4.57780827	0.004827548	6.615E-07	0.013889	0.5694505	0.058431	0.013202	0.01777365	5.219835
4405	483863.09	3857877.25	0.26478	0.12418	0.25109	0.16441	0.75776	0.26669	0.1019	0.12418	4.88794287	0.005283667	6.022E-07	0.0153223	0.6286796	0.066378	0.016628	0.01945295	5.600783
4406	484363.09	3857877.25	0.28102	0.13137	0.179	0.17951	0.80526	0.30696	0.1	0.13137	5.18773965	0.005589591	4.293E-07	0.0167296	0.6680883	0.076401	0.01632	0.02057927	5.950289
4407	484863.09	3857877.25	0.30677	0.14436	0.16029	0.1804	0.83085	0.35984	0.1012	0.14436	5.66309477	0.006142295	3.844E-07	0.0168125	0.6893191	0.089563	0.016512	0.02261417	6.45883
4408	485363.09	3857877.25	0.39035	0.17838	0.25404	0.17345	1.4002	0.45141	0.1108	0.17838	7.20601442	0.007589794	6.093E-07	0.0161648	1.1616834	0.112354	0.018089	0.02794344	8.493953
4409	485863.09	3857877.25	0.64821	0.22592	0.25181	0.18439	1.50355	0.81299	0.1238	0.22592	11.9662114	0.009612548	6.039E-07	0.0171844	1.2474283	0.20235	0.020211	0.03539064	13.42761
4410	486363.09	3857877.25	0.66442	0.35676	0.47823	0.21828	1.51725	1.21253	0.1443	0.35676	12.2654543	0.015179588	1.147E-06	0.0203428	1.2587946	0.301795	0.023552	0.05588689	13.82923
4411	486863.09	3857877.25	0.68194	1.24583	1.36618	0.2833	1.89666	0.61963	0.1893	1.24583	12.5888804	0.053008145	3.277E-06	0.0264024	1.5735741	0.154224	0.030902	0.19516079	14.23183
4412	487363.09	3857877.25	0.69154	0.3772	1.04521	0.44526	2.08481	0.45807	0.3463	0.3772	12.7661002	0.016049278	2.507E-06	0.0414964	1.7296738	0.114012	0.056526	0.05908884	14.66477
4413	487863.09	3857877.25	0.72034	0.22353	1.52726	1.09032	2.26463	0.96208	0.7182	0.22353	13.2977595	0.009510857	3.663E-06	0.1016133	1.8788624	0.239458	0.117232	0.03501625	15.60942
4414	488363.09	3857877.25	0.4742	0.17585	0.87731	0.82692	3.20777	0.70873	0.2537	0.17585	8.75391838	0.007482146	2.104E-06	0.0770655	2.6613435	0.1764	0.041409	0.02754712	11.69007
4415	488863.09	3857877.25	0.35974	0.14905	0.66686	0.46887	2.17366	0.45111	0.1878	0.14905	6.64094179	0.006341848	1.599E-06	0.0436967	1.8033887	0.11228	0.030654	0.02334886	8.613956
4416	489363.09	3857877.25	0.32996	0.1296	0.50825	0.38937	1.8867	0.34954	0.1558	0.1296	6.09119129	0.00551428	1.219E-06	0.0362877	1.5653108	0.086999	0.025423	0.020302	7.790425
4417	489863.09	3857877.25	0.32356	0.1113	0.36393	0.44973	1.59771	0.27194	0.1242	0.1113	5.97304477	0.004735643	8.728E-07	0.041913	1.3255487	0.067685	0.020276	0.01743528	7.415769
4418	490363.09	3857877.25	0.27683	0.10305	0.34921	0.48006	1.18384	0.24085	0.1085	0.10305	5.11039061	0.004384619	8.375E-07	0.0447396	0.9821792	0.059947	0.017715	0.01614291	6.203214
4419	490863.09	3857877.25	0.24408	0.09476	0.27741	0.56077	1.11186	0.20719	0.094	0.09476	4.50581273	0.004031892	6.653E-07	0.0522614	0.9224606	0.051569	0.015347	0.01484427	5.536639
4420	491363.09	3857877.25	0.23161	0.07612	0.22012	1.37868	0.94228	0.15942	0.0796	0.07612	4.27561163	0.003238789	5.279E-07	0.1284873	0.7817676	0.039679	0.01299	0.01192429	5.22985
4421	491863.09	3857877.25	0.21963	0.05735	0.18538	0.41084	0.83704	0.11871	0.0652	0.05735	4.05445612	0.002440154	4.446E-07	0.0382886	0.6944547	0.029547	0.010636	0.00898395	4.820839
4422	492363.09	3857877.25	0.18889	0.04175	0.0986	0.17622	0.44627	0.07932	0.0546	0.04175	3.48698364	0.001776398	2.365E-07	0.016423	0.3702503	0.019742	0.008909	0.00654019	3.897545
4423	492863.09	3857877.25	0.10638	0.03197	0.06438	0.10946	0.26316	0.05749	0.0326	0.03197	1.96381661	0.001360274	1.544E-07	0.0102012	0.2183321	0.014309	0.005325	0.00500814	2.208336
4424	493363.09	3857877.25	0.08084	0.02489	0.058	0.08448	0.21958	0.05497	0.0286	0.02489	1.49233817	0.001059031	1.391E-07	0.0078732	0.1821757	0.013682	0.004675	0.00389905	1.697904
4425	493863.09	3857877.25	0.07024	0.02125	0.05989	0.07269	0.18315	0.0519	0.0243	0.02125	1.29665801	0.000904155	1.436E-07	0.0067744	0.1519514	0.012918	0.003971	0.00332884	1.469848
4426	494363.09	3857877.25	0.06327	0.02088	0.04869	0.06397	0.14986	0.05158	0.0235	0.02088	1.16798907	0.000888412	1.168E-07	0.0059617	0.1243322	0.012838	0.003836	0.00327088	1.312575
4427	494863.09	3857877.25	0.05541	0.01949	0.04787	0.05172	0.12334	0.04616	0.0226	0.01949	1.02289038	0.000829269	1.148E-07	0.0048201	0.1023297	0.011489	0.003682	0.00305313	1.142988
4428	495363.09	3857877.25	0.05472	0.01868	0.04907	0.04667	0.1022	0.05574	0.0198	0.01868	1.01015271	0.000794805	1.177E-07	0.0043495	0.0847908	0.013873	0.003235	0.00292624	1.11427
4429	495863.09	3857877.25	0.05312	0.0185	0.04381	0.04331	0.09863	0.06503	0.0184	0.0185	0.98061608	0.000787146	1.051E-07	0.0040363	0.0818289	0.016186	0.003003	0.00289805	1.08356
4430	496363.09	3857877.25	0.05359	0.01866	0.04302	0.04307	0.09909	0.11312	0.02	0.01866	0.98929246	0.000793954	1.032E-07	0.0040139	0.0822105	0.028155	0.003261	0.00292311	1.104804
4431	496863.09	3857877.25	0.05515	0.02239	0.03683	0.04369	0.09643	0.69914	0.0225	0.02239	1.01809068	0.00095266	8.833E-08	0.0040717	0.0800037	0.174014	0.003678	0.00350742	1.277303
4432	497363.09	3857877.25	0.05564	0.02419	0.03678	0.04342	0.09376	0.92078	0.0231	0.02419	1.02713627	0.001029247	8.821E-08	0.0040466	0.0777885	0.229179	0.003767	0.00378939	1.339158
4433	497863.09	3857877.25	0.06421	0.02736	0.04034	0.05021	0.10598	0.20996	0.026	0.02736	1.18534184	0.001164126	9.675E-08	0.0046794	0.0879269	0.052258	0.004247	0.00428598	1.331332
4434	498363.09	3857877.25	0.07417	0.02491	0.04139	0.06058	0.12878	0.1488	0.028	0.02491	1.36920735	0.001059882	9.927E-08	0.0056458	0.106843	0.037036	0.004577	0.00390218	1.520467
4435	471363.09	3858377.25	0.07918	0.03022	0.03689	0.03496	0.06206	0.03903	0.0314	0.03022	1.46169392	0.001285814	8.847E-08	0.0032581	0.0514884	0.009714	0.005127	0.004734	1.527834
4436	471863.09	3858377.25	0.08178	0.02935	0.03591	0.03542	0.06488	0.03892	0.0306	0.02935	1.50969094	0.001248797	8.612E-08	0.003301	0.053828	0.009687	0.004987	0.00459771	1.578145
4437	472363.09	3858377.25	0.08608	0.02878	0.03277	0.03593	0.06778	0.03886	0.0293	0.02878	1.58907063	0.001224545	7.859E-08	0.0033485	0.056234	0.009672	0.004779	0.00450842	1.659821
4438	472863.09	3858377.25	0.09047	0.02984	0.03342	0.03672	0.07084	0.03973	0.0299	0.02984	1.67011176	0.001269646	8.015E-08	0.0034222	0.0587728	0.009889	0.004887	0.00467447	1.743678
4439	473363.09	3858377.25	0.09461	0.032	0.03792	0.03937	0.07408	0.04391	0.0323	0.032	1.74653779	0.001361551	9.095E-08	0.0036691	0.0614609	0.010929	0.005279	0.00501284	1.824224
4440	473863.09	3858377.25	0.09951	0.03149	0.0374	0.03839	0.0771	0.04435	0.0309	0.03149	1.83699371	0.001339851	8.97E-08	0.0035778	0.0639664	0.011039	0.00505	0.00493295	1.917034
4441	474363.09	3858377.25	0.10378	0.02725	0.03916	0.03798	0.08002	0.03971	0.0279	0.02725	1.91581959	0.001159445	9.392E-08	0.0035396	0.066389	0.009884	0.004548	0.00426875	1.99707
4442	474863.09	3858377.25	0.09814	0.02234	0.03266	0.03727	0.08297	0.0365	0.024	0.02234	1.81170297	0.000950533	7.833E-08	0.0034734	0.0688365	0.009085	0.003919	0.00349959	1.894468

4443	475363.09	3858377.25	0.05979	0.02149	0.02965	0.03282	0.05989	0.03155	0.0216	0.02149	1.1037469	0.000914366	7.111E-08	0.0030587	0.0496881	0.007853	0.003518	0.00336643	1.165412
4444	475863.09	3858377.25	0.04523	0.01661	0.02446	0.02703	0.04243	0.02953	0.0167	0.01661	0.83496358	0.00070673	5.866E-08	0.0025191	0.0352023	0.00735	0.002723	0.00260198	0.880862
4445	476363.09	3858377.25	0.04635	0.01663	0.0305	0.0281	0.04862	0.03016	0.0169	0.01663	0.85563922	0.000707581	7.315E-08	0.0026188	0.0403378	0.007507	0.002762	0.00260511	0.906967
4446	476863.09	3858377.25	0.05109	0.01782	0.03238	0.0296	0.05139	0.03082	0.0179	0.01782	0.94314148	0.000758214	7.766E-08	0.0027586	0.042636	0.007671	0.002922	0.00279152	0.997096
4447	477363.09	3858377.25	0.04852	0.01638	0.02819	0.02809	0.04981	0.03151	0.0164	0.01638	0.89569827	0.000696944	6.761E-08	0.0026179	0.0413251	0.007843	0.002672	0.00256595	0.948287
4448	477863.09	3858377.25	0.06486	0.02249	0.0318	0.03575	0.06556	0.033	0.0232	0.02249	1.19734109	0.000956915	7.627E-08	0.0033318	0.0543922	0.008214	0.003779	0.00352309	1.264491
4449	478363.09	3858377.25	0.07274	0.02419	0.0369	0.03647	0.07254	0.03491	0.0237	0.02419	1.34280899	0.001029247	8.85E-08	0.0033989	0.0601832	0.008689	0.003867	0.00378939	1.416187
4450	478863.09	3858377.25	0.04741	0.02019	0.0323	0.02939	0.06093	0.03174	0.0216	0.02019	0.87520723	0.000859053	7.747E-08	0.002739	0.0505509	0.0079	0.003518	0.00316279	0.937611
4451	479363.09	3858377.25	0.13155	0.0302	0.05038	0.05294	0.21019	0.05145	0.0346	0.0302	2.4284647	0.001284963	1.208E-07	0.0049338	0.1743853	0.012806	0.00564	0.00473087	2.622783
4452	479863.09	3858377.25	0.15133	0.049	0.06999	0.07013	0.34037	0.0752	0.0539	0.049	2.79361128	0.002084874	1.679E-07	0.0065358	0.2823898	0.018717	0.008798	0.00767591	3.104461
4453	480363.09	3858377.25	0.15496	0.05918	0.09264	0.07482	0.3777	0.08921	0.058	0.05918	2.86062251	0.002518018	2.222E-07	0.0069729	0.3133608	0.022204	0.009471	0.00927062	3.205878
4454	480863.09	3858377.25	0.17454	0.06036	0.14257	0.08086	0.4387	0.09361	0.0598	0.06036	3.222077	0.002568225	3.419E-07	0.0075358	0.3639698	0.023299	0.009763	0.00945547	3.619758
4455	481363.09	3858377.25	0.18724	0.07339	0.13648	0.08285	0.46559	0.10521	0.0704	0.07339	3.45652399	0.003122631	3.273E-07	0.0077213	0.3862792	0.026186	0.01149	0.01149663	3.879827
4456	481863.09	3858377.25	0.20494	0.08029	0.15145	0.09018	0.47623	0.10957	0.0716	0.08029	3.78327295	0.003416216	3.632E-07	0.0084044	0.3951068	0.027272	0.011679	0.01257753	4.216574
4457	482363.09	3858377.25	0.21372	0.08757	0.17346	0.09913	0.51096	0.12008	0.0767	0.08757	3.9453552	0.003725968	4.16E-07	0.0092385	0.4239207	0.029888	0.012515	0.01371795	4.410925
4458	482863.09	3858377.25	0.21729	0.0957	0.16791	0.10678	0.60307	0.15316	0.0876	0.0957	4.0112588	0.004071887	4.027E-07	0.0099515	0.5003403	0.038121	0.014294	0.01499152	4.563046
4459	483363.09	3858377.25	0.20977	0.10437	0.24429	0.11107	0.63865	0.18378	0.0832	0.10437	3.87243665	0.004440783	5.859E-07	0.0103513	0.5298594	0.045742	0.013577	0.01634969	4.460059
4460	483863.09	3858377.25	0.22845	0.10601	0.20533	0.11908	0.62421	0.21513	0.0901	0.10601	4.21727679	0.004510562	4.925E-07	0.0110978	0.5178792	0.053545	0.014713	0.0166066	4.802417
4461	484363.09	3858377.25	0.24222	0.116	0.25615	0.14285	0.6296	0.26025	0.0943	0.116	4.4714764	0.004935621	6.143E-07	0.013313	0.522351	0.064775	0.015388	0.01817154	5.074068
4462	484863.09	3858377.25	0.27085	0.13029	0.26853	0.16154	0.782	0.32218	0.1013	0.13029	4.99999746	0.005543639	6.44E-07	0.0150549	0.6487905	0.08019	0.016542	0.02041009	5.745708
4463	485363.09	3858377.25	0.33575	0.14065	0.35096	0.17863	0.81696	0.39809	0.1098	0.14065	6.19807696	0.005984441	8.417E-07	0.0166476	0.6777952	0.099083	0.017916	0.02203299	6.993471
4464	485863.09	3858377.25	0.40245	0.16897	0.39741	0.19793	0.95312	0.63612	0.1197	0.16897	7.42938518	0.007189413	9.531E-07	0.0184463	0.7907611	0.158328	0.019545	0.02646936	8.397187
4465	486363.09	3858377.25	0.63989	0.20162	0.57	0.21984	1.33699	1.68244	0.1377	0.20162	11.8126209	0.00857862	1.367E-06	0.0204882	1.1092409	0.418754	0.022472	0.03158402	13.36057
4466	486863.09	3858377.25	0.6603	0.27049	0.4954	0.24586	1.02277	1.56856	0.155	0.27049	12.1893975	0.011508932	1.188E-06	0.0229131	0.8485466	0.390409	0.025302	0.04237259	13.44571
4467	487363.09	3858377.25	0.64154	0.42325	0.59727	0.31527	1.05278	1.14099	0.2049	0.42325	11.8430806	0.018008635	1.432E-06	0.0293819	0.8734446	0.283989	0.033452	0.06630263	13.01506
4468	487863.09	3858377.25	0.70909	1.70869	0.79352	0.46376	1.02835	0.82048	0.3503	1.70869	13.0900801	0.072702124	1.903E-06	0.0432205	0.8531761	0.204215	0.057177	0.26766837	14.0529
4469	488363.09	3858377.25	0.68171	0.38489	0.64423	0.98046	1.55344	0.59064	0.8884	0.38489	12.5846345	0.016376476	1.545E-06	0.0913748	1.2888198	0.147008	0.145011	0.06029349	14.21293
4470	488863.09	3858377.25	0.50028	0.24388	0.6196	1.05719	1.36921	0.7482	0.2731	0.24388	9.23536543	0.010376718	1.486E-06	0.0985257	1.1359724	0.186224	0.044574	0.0382041	10.67284
4471	489363.09	3858377.25	0.36694	0.18671	0.4673	2.84928	1.51854	0.42197	0.1843	0.18671	6.77385662	0.007944223	1.121E-06	0.2655411	1.2598648	0.105027	0.030086	0.02924835	8.413073
4472	489863.09	3858377.25	0.29747	0.14377	0.29075	2.30368	0.94432	0.32974	0.1575	0.14377	5.49141312	0.006117192	6.973E-07	0.2146934	0.7834601	0.082071	0.025715	0.02252175	6.580949
4473	490363.09	3858377.25	0.25671	0.12613	0.24291	2.06759	1.03697	0.27554	0.1357	0.12613	4.7389675	0.005366637	5.826E-07	0.1926908	0.8603277	0.068581	0.022155	0.01975842	5.868331
4474	490863.09	3858377.25	0.24192	0.11076	0.27554	1.46342	1.06497	0.24285	0.1125	0.11076	4.46593829	0.004712667	6.608E-07	0.1363847	0.8835581	0.060445	0.018355	0.01735069	5.552043
4475	491363.09	3858377.25	0.24268	0.08621	0.25841	0.69447	0.89249	0.16726	0.0886	0.08621	4.47996818	0.003668103	6.198E-07	0.0647217	0.7404591	0.04163	0.014465	0.0135049	5.331409
4476	491863.09	3858377.25	0.24425	0.05267	0.11435	0.20982	0.75629	0.10509	0.0749	0.05267	4.508951	0.002241027	2.743E-07	0.0195544	0.62746	0.026157	0.012231	0.00825082	5.188343
4477	492363.09	3858377.25	0.15888	0.0407	0.10238	0.10966	0.27217	0.07754	0.047	0.0407	2.93298725	0.001731722	2.455E-07	0.0102199	0.2258073	0.019299	0.007675	0.0063757	3.191345
4478	492863.09	3858377.25	0.16847	0.04221	0.09841	0.11158	0.34211	0.08069	0.055	0.04221	3.11002242	0.00179597	2.36E-07	0.0103988	0.2838334	0.020083	0.008973	0.00661225	3.428495
4479	493363.09	3858377.25	0.13051	0.03793	0.084	0.08693	0.28361	0.06783	0.0431	0.03793	2.4092659	0.001613863	2.015E-07	0.0081015	0.2352986	0.016883	0.007032	0.00594178	2.672253
4480	493863.09	3858377.25	0.12139	0.03119	0.06685	0.07604	0.21907	0.06792	0.0362	0.03119	2.24090711	0.001327086	1.603E-07	0.0070866	0.1817526	0.016905	0.005904	0.00488595	2.448997
4481	494363.09	3858377.25	0.09592	0.02661	0.05687	0.06657	0.18031	0.07682	0.0289	0.02661	1.7707209	0.001132214	1.364E-07	0.006204	0.1495952	0.01912	0.004711	0.00416849	1.947315
4482	494863.09	3858377.25	0.07981	0.02324	0.04922	0.06088	0.17625	0.09585	0.0251	0.02324	1.47332397	0.000988826	1.18E-07	0.0056738	0.1462268	0.023857	0.004102	0.00364057	1.650532
4483	495363.09	3858377.25	0.06753	0.02051	0.04394	0.05576	0.16438	0.12224	0.0236	0.02051	1.24663034	0.000872669	1.054E-07	0.0051966	0.1363787	0.030425	0.003859	0.00321292	1.420149
4484	495863.09	3858377.25	0.06577	0.02098	0.04338	0.05261	0.15213	0.19142	0.0239	0.02098	1.21414005	0.000892667	1.04E-07	0.004903	0.1262155	0.047644	0.0039	0.00328654	1.394408
4485	496363.09	3858377.25	0.06395	0.02128	0.04333	0.05012	0.15207	0.72799	0.0224	0.02128	1.18054214	0.000905431	1.039E-07	0.004671	0.1261657	0.181194	0.003661	0.00333354	1.493806
4486	496863.09	3858377.25	0.07299	0.02278	0.04415	0.0541	0.14656	0.27512	0.0258	0.02278	1.34742409	0.000969254	1.059E-07	0.0050419	0.1215943	0.068476	0.004203	0.00356851	1.544141
4487	497363.09	3858377.25	0.07485	0.02469	0.04194	0.05292	0.13813	0.16437	0.0259	0.02469	1.38176042	0.001050521	1.006E-07	0.0049319	0.1146003	0.040911	0.004234	0.00386772	1.543621
4488	497863.09	3858377.25	0.0838	0.02918	0.04705	0.06213	0.1689	0.13891	0.0303	0.02918	1.54698094	0.001241564	1.128E-07	0.0057903	0.1401288	0.034574	0.004941	0.00457108	1.729086
4489	498363.09	3858377.25	0.09404	0.03304	0.05331	0.0694	0.22682	0.14204	0.034	0.03304	1.73601536	0.001405801	1.279E-07	0.0064678	0.1881824	0.035353	0.005553	0.00517576	1.967802
4490	471363.09	3858877.25	0.07967	0.02976	0.03177	0.03667	0.07247	0.04014	0.0306	0.02976	1.47073951	0.001266242	7.62E-08	0.0034175	0.0601251	0.009991	0.004995	0.00466194	1.545872
4491	471863.09	3858877.25	0.08355	0.02912	0.03346	0.03689	0.07397	0.04046	0.0303	0.02912	1.54236584	0.001239011	8.025E-08	0.003438	0.0613696	0.01007	0.004938	0.00456168	1.618859
4492	472363.09	3858877.25	0.08831	0.03036	0.03664	0.03795	0.07539	0.04218	0.0306	0.03036	1.63023731	0.001291771	8.788E-08	0.0035368	0.0625477	0.010498	0.005001	0.00475593	1.708358
4493	472863.09	3858877.25	0.09302	0.03084	0.03752	0.03856	0.07655	0.04366	0.0311	0.03084	1.71718576	0.001312194	8.999E-08	0.0035936	0.0635101	0.010867	0.005081	0.00483112	1.796719
4494	473363.09	3858877.25	0.09799	0.03222	0.0366	0.03781	0.09512	0.043	0.0325	0.03222	1.80893391	0.001370911	8.778E-08	0.0035237	0.0789168	0.010703	0.00531	0.0050473	1.903711
4495	473863.09	3858877.25	0.10438	0.03177	0.03682	0.0404	0.11872	0.04309	0.0321	0.03177	1.92689583	0.001351764	8.831E-08	0.0037651	0.0984967	0.010725	0.005236	0.00497681	2.041494
4496	474363.09	3858877.25	0.10422	0.02925	0.03794	0.04125	0.12709	0.04354	0.0308	0.02925	1.92394216	0.001244542	9.099E-08	0.0038443	0.1054409	0.010837	0.005029	0.00458205	2.045756
4497	474863.09	3858877.25	0.05956	0.0187	0.02873	0.03141	0.06643	0.03079	0.0199	0.0187	1.09950101	0.000795656	6.89E-08	0.0029273	0.055114	0.007664	0.003245	0.00292938	1.166317
4498	475363.09	3858877.25	0.04799	0.01782	0.02899	0.02507	0.04675	0.02639	0.018	0.01782	0.88591426	0.000758214	6.953E-08	0.0023364	0.0387864	0.006568	0.00293	0.00279152	0.934502
4499	475863.09	3858877.25	0.05237	0.01905	0.03014	0.02597	0.05457	0.02703	0.0192	0.01905	0.96677078	0.000810548	7.229E-08	0.0024203	0.0452743	0.006728	0.003129	0.00298421	1.022149

4500	476363.09	3858877.25	0.03636	0.01277	0.02857	0.02433	0.05112	0.02631	0.0121	0.01277	0.67121989	0.000543344	6.852E-08	0.0022675	0.042412	0.006548	0.001972	0.00200044	0.722963
4501	476863.09	3858877.25	0.03965	0.01401	0.02956	0.02591	0.05209	0.0272	0.0141	0.01401	0.73195458	0.000596104	7.089E-08	0.0024147	0.0432167	0.00677	0.002302	0.00219468	0.785059
4502	477363.09	3858877.25	0.04638	0.01431	0.02891	0.02622	0.05279	0.02782	0.0143	0.01431	0.85619303	0.000608868	6.934E-08	0.0024436	0.0437975	0.006924	0.002334	0.00224168	0.91006
4503	477863.09	3858877.25	0.05287	0.01583	0.02743	0.02703	0.0772	0.02953	0.0158	0.01583	0.97600098	0.000673542	6.579E-08	0.0025191	0.0640494	0.00735	0.002581	0.00247979	1.050694
4504	478363.09	3858877.25	0.0902	0.02223	0.0441	0.03996	0.17342	0.04419	0.0256	0.02223	1.66512745	0.000945852	1.058E-07	0.0037241	0.1438788	0.010999	0.004174	0.00348236	1.825366
4505	478863.09	3858877.25	0.0856	0.02382	0.04301	0.03908	0.13308	0.04441	0.0239	0.02382	1.58020964	0.001013504	1.032E-07	0.0036421	0.1104105	0.011053	0.003908	0.00373143	1.706506
4506	479363.09	3858877.25	0.06861	0.02272	0.03787	0.03587	0.11315	0.03349	0.0228	0.02272	1.26656757	0.000966701	9.083E-08	0.0033429	0.0938755	0.008336	0.003727	0.00355912	1.373256
4507	479863.09	3858877.25	0.12636	0.04526	0.07503	0.06971	0.33526	0.08272	0.0451	0.04526	2.33265527	0.001925743	1.799E-07	0.0064967	0.2781503	0.020589	0.007357	0.00709003	2.640084
4508	480363.09	3858877.25	0.139	0.05136	0.08598	0.07667	0.3671	0.09148	0.0492	0.05136	2.56599463	0.002185289	2.062E-07	0.0071453	0.3045665	0.022769	0.008037	0.00804561	2.902653
4509	480863.09	3858877.25	0.14848	0.05357	0.16435	0.08353	0.4285	0.105	0.0512	0.05357	2.74099916	0.002279321	3.942E-07	0.0077847	0.3555073	0.026134	0.008364	0.00839181	3.132677
4510	481363.09	3858877.25	0.15338	0.05916	0.15973	0.08911	0.48929	0.1249	0.0534	0.05916	2.83145509	0.002517167	3.831E-07	0.0083047	0.4059421	0.031087	0.00872	0.00926749	3.278759
4511	481863.09	3858877.25	0.16582	0.06593	0.17295	0.09826	0.51186	0.13482	0.0609	0.06593	3.06110237	0.00280522	4.148E-07	0.0091574	0.4246674	0.033556	0.009939	0.01032801	3.5309
4512	482363.09	3858877.25	0.17432	0.07623	0.13448	0.11136	0.49093	0.13952	0.0654	0.07623	3.21801572	0.003243469	3.225E-07	0.0103783	0.4073027	0.034726	0.010674	0.01194152	3.672399
4513	482863.09	3858877.25	0.18467	0.07631	0.23806	0.12458	0.43296	0.15449	0.0705	0.07631	3.40908078	0.003246873	5.709E-07	0.0116103	0.3592076	0.038452	0.011509	0.01195405	3.821153
4514	483363.09	3858877.25	0.16575	0.09216	0.16467	0.13032	0.45285	0.21838	0.0822	0.09216	3.05981015	0.003921266	3.949E-07	0.0121453	0.3757094	0.054354	0.013409	0.01443698	3.504913
4515	483863.09	3858877.25	0.17945	0.10814	0.16843	0.1424	0.49504	0.22437	0.0922	0.10814	3.31271753	0.00460119	4.04E-07	0.0132711	0.4107126	0.055845	0.015051	0.01694026	3.795259
4516	484363.09	3858877.25	0.19039	0.12732	0.20719	0.15661	0.53806	0.25501	0.1001	0.12732	3.51467423	0.00541727	4.969E-07	0.0145954	0.4464044	0.063471	0.016344	0.01994483	4.040962
4517	484863.09	3858877.25	0.22146	0.1208	0.17123	0.1726	0.67265	0.31869	0.1059	0.1208	4.08823864	0.005139854	4.107E-07	0.0160856	0.5580677	0.079321	0.017284	0.01892347	4.745214
4518	485363.09	3858877.25	0.27822	0.11792	0.26192	0.18954	0.68196	0.39622	0.1012	0.11792	5.13605055	0.005017314	6.282E-07	0.0176643	0.5657918	0.098618	0.016515	0.01847231	5.821186
4519	485863.09	3858877.25	0.35524	0.13105	0.25839	0.22191	0.91132	0.45854	0.1035	0.13105	6.55787002	0.005575975	6.197E-07	0.0206811	0.7560815	0.114129	0.016886	0.02052914	7.450695
4520	486363.09	3858877.25	0.50646	0.15025	0.29507	0.23726	0.67594	0.68478	0.1147	0.15025	9.34945066	0.006392906	7.077E-07	0.0221117	0.5607972	0.170439	0.018719	0.02353685	10.10437
4521	486863.09	3858877.25	0.61648	0.17485	0.63637	0.28858	0.80637	0.54937	0.1355	0.17485	11.3804631	0.007439598	1.526E-06	0.0268945	0.6690092	0.136736	0.022111	0.02739047	12.21526
4522	487363.09	3858877.25	0.6399	0.22607	0.34457	0.38334	0.8365	0.67211	0.1673	0.22607	11.8128055	0.00961893	8.264E-07	0.0357257	0.6940067	0.167286	0.027307	0.03541414	12.71134
4523	487863.09	3858877.25	0.68661	0.29423	0.53386	0.51728	0.78632	1.4717	0.217	0.29423	12.6750905	0.012519033	1.28E-06	0.0482084	0.6523746	0.366301	0.035419	0.04609149	13.74382
4524	488363.09	3858877.25	0.66475	0.49171	0.57335	0.66844	0.6264	0.63442	0.3639	0.49171	12.2715463	0.020921502	1.375E-06	0.0622958	0.5196961	0.157905	0.059394	0.07702697	13.01473
4525	488863.09	3858877.25	0.60849	0.92583	0.49904	1.19055	1.03447	0.54535	1.6391	0.92583	11.2329646	0.039392639	1.197E-06	0.1109543	0.8582536	0.135736	0.267551	0.1450324	12.49982
4526	489363.09	3858877.25	0.41793	0.35424	0.38585	1.61133	0.92397	0.77166	0.3365	0.35424	7.71515206	0.015072366	9.254E-07	0.1501693	0.7665767	0.192064	0.05492	0.05549213	8.838463
4527	489863.09	3858877.25	0.32846	0.23654	0.40231	0.6688	0.85162	0.44538	0.2135	0.23654	6.0635007	0.010064412	9.649E-07	0.0623294	0.7065511	0.110854	0.034846	0.03705428	6.951092
4528	490363.09	3858877.25	0.26762	0.16926	0.41053	0.48627	0.95438	0.33137	0.1579	0.16926	4.94037039	0.007201752	9.846E-07	0.0453184	0.7918065	0.082477	0.025779	0.02651479	5.866439
4529	490863.09	3858877.25	0.252	0.10775	0.35631	0.31968	0.60244	0.2022	0.1091	0.10775	4.65201905	0.004584596	8.546E-07	0.0297929	0.4998176	0.050327	0.017807	0.01687917	5.237469
4530	491363.09	3858877.25	0.25471	0.06775	0.27305	0.22869	0.4765	0.12724	0.0887	0.06775	4.70204671	0.002882658	6.549E-07	0.021313	0.3953308	0.03167	0.01447	0.01061312	5.1571
4531	491863.09	3858877.25	0.22314	0.05978	0.15393	0.11544	0.39221	0.09553	0.0763	0.05978	4.1192521	0.002543547	3.692E-07	0.0107585	0.3253991	0.023777	0.012446	0.00936461	4.484812
4532	492363.09	3858877.25	0.22158	0.05708	0.1502	0.13156	0.43564	0.0987	0.0657	0.05708	4.09045389	0.002428666	3.602E-07	0.0122608	0.3614311	0.024566	0.010731	0.00894165	4.49293
4533	492863.09	3858877.25	0.20131	0.05306	0.19263	0.17678	0.68309	0.11074	0.0688	0.05306	3.71626172	0.002257621	4.62E-07	0.0164752	0.5667293	0.027563	0.011225	0.00831191	4.3322
4534	493363.09	3858877.25	0.1823	0.05581	0.14717	0.15215	0.44693	0.10637	0.0629	0.05581	3.36532965	0.002374629	3.53E-07	0.0141798	0.3707979	0.026475	0.010264	0.0087427	3.780678
4535	493863.09	3858877.25	0.15627	0.04523	0.10716	0.11378	0.35658	0.11094	0.0567	0.04523	2.88480562	0.001924467	2.57E-07	0.0106038	0.2958385	0.027613	0.009247	0.00708533	3.222947
4536	494363.09	3858877.25	0.13248	0.04209	0.08293	0.10291	0.29243	0.14802	0.0491	0.04209	2.44563287	0.001790865	1.989E-07	0.0095908	0.2426161	0.036842	0.008011	0.00659345	2.73789
4537	494863.09	3858877.25	0.12367	0.03287	0.07208	0.08419	0.24947	0.1858	0.0378	0.03287	2.28299681	0.001398568	1.729E-07	0.0078462	0.2069741	0.046245	0.006173	0.00514913	2.546485
4538	495363.09	3858877.25	0.11694	0.02912	0.06073	0.06722	0.2303	0.21343	0.0298	0.02912	2.15875836	0.001239011	1.457E-07	0.0062646	0.1910696	0.053122	0.004871	0.00456168	2.410763
4539	495863.09	3858877.25	0.10972	0.02385	0.05724	0.05852	0.20293	0.79417	0.0274	0.02385	2.02547432	0.001014781	1.373E-07	0.0054538	0.168362	0.197666	0.004466	0.00373613	2.398701
4540	496363.09	3858877.25	0.10319	0.02433	0.05534	0.05906	0.18036	0.36853	0.0269	0.02433	1.90492796	0.001035204	1.327E-07	0.0055041	0.1496366	0.091726	0.004389	0.00381132	2.153408
4541	496863.09	3858877.25	0.09663	0.02432	0.05477	0.05965	0.16997	0.27801	0.0269	0.02432	1.78382778	0.001034778	1.314E-07	0.0055591	0.1410165	0.069196	0.004389	0.00380976	2.001214
4542	497363.09	3858877.25	0.09323	0.02455	0.05342	0.0588	0.17891	0.18445	0.0281	0.02455	1.72106244	0.001044565	1.281E-07	0.0054799	0.1484336	0.045909	0.004593	0.00384579	1.922677
4543	497863.09	3858877.25	0.10056	0.03073	0.05789	0.06757	0.21912	0.14993	0.0367	0.03073	1.85637712	0.001307514	1.388E-07	0.0062972	0.1817941	0.037317	0.005987	0.00481389	2.084267
4544	498363.09	3858877.25	0.10261	0.03409	0.06691	0.07804	0.26073	0.13915	0.0393	0.03409	1.89422093	0.001450477	1.605E-07	0.007273	0.216316	0.034634	0.006418	0.00534024	2.154972
4545	471363.09	3859377.25	0.08543	0.02946	0.03135	0.03644	0.10925	0.04084	0.0297	0.02946	1.57707138	0.001253478	7.519E-08	0.0033961	0.0906398	0.010165	0.004851	0.00461494	1.682762
4546	471863.09	3859377.25	0.08928	0.0296	0.03245	0.03703	0.10968	0.04108	0.0299	0.0296	1.64814389	0.001259434	7.783E-08	0.003451	0.0909966	0.010225	0.004874	0.00463688	1.754313
4547	472363.09	3859377.25	0.09291	0.0302	0.03272	0.03791	0.11613	0.04094	0.0305	0.0302	1.71515512	0.001284963	7.847E-08	0.0035331	0.0963479	0.01019	0.004975	0.00473087	1.826755
4548	472863.09	3859377.25	0.09303	0.03058	0.03519	0.03949	0.12183	0.04259	0.0309	0.03058	1.71737036	0.001301132	8.44E-08	0.0036803	0.1010769	0.010601	0.005044	0.00479039	1.834283
4549	473363.09	3859377.25	0.10005	0.03098	0.04203	0.04141	0.1245	0.04644	0.0312	0.03098	1.84696232	0.001318151	1.008E-07	0.0038592	0.1032921	0.011559	0.005098	0.00485305	1.967235
4550	473863.09	3859377.25	0.10048	0.03146	0.04626	0.04293	0.12927	0.04772	0.0319	0.03146	1.85490029	0.001338574	1.109E-07	0.0040009	0.1072495	0.011877	0.005205	0.00492825	1.979644
4551	474363.09	3859377.25	0.09856	0.03009	0.03463	0.04276	0.1435	0.04598	0.0318	0.03009	1.81945634	0.001280283	8.305E-08	0.0039851	0.1190555	0.011444	0.005192	0.00471364	1.9557
4552	474863.09	3859377.25	0.08455	0.02213	0.03572	0.03539	0.13631	0.03841	0.0232	0.02213	1.56082623	0.000941597	8.567E-08	0.0032982	0.1130903	0.00956	0.00379	0.00346669	1.68804
4553	475363.09	3859377.25	0.05714	0.02037	0.0346	0.03406	0.09116	0.02939	0.0205	0.02037	1.05482686	0.000866712	8.298E-08	0.0031743	0.0756314	0.007315	0.003346	0.00319099	1.14197
4554	475863.09	3859377.25	0.04809	0.01636	0.02875	0.02309	0.05187	0.02654	0.0165	0.01636	0.8877603	0.000696093	6.895E-08	0.0021519	0.0430342	0.006606	0.002692	0.00256281	0.940377
4555	476363.09	3859377.25	0.03907	0.01351	0.0247	0.02222	0.04418	0.02566	0.0136	0.01351	0.72124756	0.00057483	5.924E-08	0.0020708	0.0366542	0.006387	0.002222	0.00211636	0.767039
4556	476863.09	3859377.25	0.03306	0.01187	0.02233	0.02095	0.03616	0.02292	0.0117	0.01187	0.61030059	0.00050505	5.355E-08	0.0019525	0.0300003	0.005705	0.001915	0.00185945	0.648518

4557	477363.09	3859377.25	0.03397	0.01247	0.0219	0.02159	0.04817	0.02436	0.0121	0.01247	0.62709955	0.000530579	5.252E-08	0.0020121	0.0399645	0.006063	0.00198	0.00195344	0.675696
4558	477863.09	3859377.25	0.05948	0.01788	0.02674	0.02723	0.09801	0.02845	0.018	0.01788	1.09802418	0.000760766	6.413E-08	0.0025377	0.0813145	0.007081	0.00294	0.00280092	1.189857
4559	478363.09	3859377.25	0.08458	0.01961	0.03514	0.04176	0.15453	0.03946	0.0235	0.01961	1.56138004	0.000834375	8.428E-08	0.0038919	0.1282066	0.009821	0.003842	0.00307193	1.704905
4560	478863.09	3859377.25	0.10458	0.02464	0.0417	0.05664	0.26572	0.0466	0.0328	0.02464	1.9305879	0.001048394	1E-07	0.0052786	0.220456	0.011599	0.005349	0.00385989	2.170459
4561	479363.09	3859377.25	0.11805	0.03268	0.05847	0.07124	0.31537	0.06204	0.0343	0.03268	2.1792494	0.001390484	1.402E-07	0.0066393	0.2616484	0.015442	0.005599	0.00511936	2.464849
4562	479863.09	3859377.25	0.12494	0.04167	0.0519	0.08078	0.32278	0.08234	0.0419	0.04167	2.30644151	0.001772994	1.245E-07	0.0075284	0.2677962	0.020494	0.006843	0.00652766	2.604348
4563	480363.09	3859377.25	0.12689	0.04825	0.14017	0.08575	0.30402	0.10243	0.0454	0.04825	2.34243927	0.002052963	3.362E-07	0.0079915	0.2522318	0.025494	0.007414	0.00755842	2.630066
4564	480863.09	3859377.25	0.1324	0.04952	0.14591	0.09266	0.31412	0.12325	0.0485	0.04952	2.44415604	0.002107	3.499E-07	0.0086355	0.2606113	0.030677	0.007908	0.00775737	2.746338
4565	481363.09	3859377.25	0.14092	0.05117	0.11848	0.10229	0.26747	0.14179	0.0503	0.05117	2.60143859	0.002177205	2.842E-07	0.009533	0.2219079	0.035291	0.008204	0.00801584	2.870536
4566	481863.09	3859377.25	0.14658	0.05949	0.0983	0.10867	0.35342	0.14412	0.0558	0.05949	2.70592441	0.002531208	2.358E-07	0.0101276	0.2932168	0.035871	0.009111	0.00931918	3.047463
4567	482363.09	3859377.25	0.15695	0.06101	0.15166	0.11611	0.30403	0.14572	0.0577	0.06101	2.89735869	0.002595881	3.637E-07	0.010821	0.2522401	0.036269	0.00942	0.00955729	3.199148
4568	482863.09	3859377.25	0.16076	0.05944	0.20322	0.12783	0.42302	0.14936	0.0537	0.05944	2.96769279	0.00252908	4.874E-07	0.0119132	0.3509608	0.037175	0.008767	0.00931135	3.369727
4569	483363.09	3859377.25	0.16507	0.07359	0.14081	0.13785	0.42404	0.18055	0.0664	0.07359	3.04725708	0.003131141	3.377E-07	0.012847	0.3518071	0.044938	0.010835	0.01152796	3.459288
4570	483863.09	3859377.25	0.17196	0.0867	0.13229	0.14441	0.49816	0.21005	0.0813	0.0867	3.17444919	0.003688951	3.173E-07	0.0134584	0.4133011	0.052281	0.01327	0.01358166	3.656868
4571	484363.09	3859377.25	0.18868	0.09318	0.19925	0.16218	0.4636	0.21102	0.0847	0.09318	3.48310696	0.003964665	4.779E-07	0.0151145	0.3846282	0.052522	0.013825	0.01459676	3.938566
4572	484863.09	3859377.25	0.20722	0.1002	0.15119	0.1808	0.61972	0.22763	0.0794	0.1002	3.82536265	0.004263355	3.626E-07	0.0168498	0.514154	0.056656	0.012959	0.01569645	4.414549
4573	485363.09	3859377.25	0.24019	0.10938	0.15831	0.18529	0.61591	0.27646	0.1017	0.10938	4.43400181	0.00465395	3.797E-07	0.0172683	0.510993	0.06881	0.016592	0.01713451	5.035185
4574	485863.09	3859377.25	0.28828	0.12186	0.19035	0.20164	0.47988	0.34781	0.1186	0.12186	5.32176211	0.005184955	4.565E-07	0.018792	0.398135	0.086569	0.019352	0.01908952	5.830706
4575	486363.09	3859377.25	0.35013	0.1377	0.27157	0.22939	0.59109	0.52588	0.134	0.1377	6.46353742	0.005858923	6.513E-07	0.0213782	0.490401	0.13089	0.021878	0.02157087	7.112373
4576	486863.09	3859377.25	0.63008	0.13808	0.25851	0.22996	0.61381	1.33093	0.1234	0.13808	11.6315244	0.005875091	6.2E-07	0.0214313	0.5092508	0.331264	0.020138	0.0216304	12.49785
4577	487363.09	3859377.25	0.56351	0.14716	0.17649	0.29509	0.53885	0.66229	0.1303	0.14716	10.4026161	0.006261431	4.233E-07	0.0275012	0.4470598	0.164842	0.021264	0.02305279	11.04649
4578	487863.09	3859377.25	0.64981	0.17462	0.21946	0.3551	0.57841	0.51842	0.1551	0.17462	11.995748	0.007429812	5.263E-07	0.0330939	0.479881	0.129033	0.02532	0.02735444	12.64315
4579	488363.09	3859377.25	0.62325	0.23079	0.27628	0.43711	0.2887	1.36566	0.2077	0.23079	11.50544	0.009819759	6.626E-07	0.0407368	0.2395215	0.339908	0.033909	0.03615353	12.13318
4580	488863.09	3859377.25	0.52769	0.31074	0.33354	0.62243	0.64111	0.465	0.3063	0.31074	9.74136481	0.013221508	7.999E-07	0.0580079	0.5319003	0.115737	0.049992	0.0486778	10.46155
4581	489363.09	3859377.25	0.36591	0.62152	0.91665	0.89518	0.78263	0.47055	0.6251	0.62152	6.75484242	0.026444717	2.198E-06	0.0834271	0.6493132	0.117118	0.102037	0.09736186	7.635823
4582	489863.09	3859377.25	0.49059	0.69434	9.08962	3.01602	0.6574	2.02725	0.67	0.69434	9.05648422	0.029543096	2.18E-05	0.2810806	0.5454154	0.504576	0.109358	0.10876921	10.41771
4583	490363.09	3859377.25	0.32022	0.29994	1.83032	0.7634	0.61566	0.50761	0.2862	0.29994	5.91138706	0.012761984	4.39E-06	0.0711457	0.5107856	0.126342	0.046714	0.04698597	6.632156
4584	490863.09	3859377.25	0.28539	0.16002	0.75491	0.35111	0.67843	0.28646	0.1453	0.16002	5.26841157	0.006808604	1.811E-06	0.032722	0.5628631	0.071299	0.023722	0.02506733	5.940761
4585	491363.09	3859377.25	0.28391	0.07018	0.29585	0.21792	0.61462	0.1493	0.0971	0.07018	5.24109019	0.002986051	7.095E-07	0.0203092	0.5099228	0.03716	0.015853	0.01099378	5.816328
4586	491863.09	3859377.25	0.22168	0.09105	0.33508	0.20203	0.40637	0.16654	0.1067	0.09105	4.09229993	0.003874037	8.036E-07	0.0188284	0.337147	0.041451	0.017412	0.01426309	4.49675
4587	492363.09	3859377.25	0.19662	0.08177	0.27148	0.2228	0.37399	0.14647	0.0951	0.08177	3.62968248	0.003479187	6.511E-07	0.020764	0.3102828	0.036456	0.015525	0.01280937	4.00338
4588	492863.09	3859377.25	0.17643	0.08002	0.24296	0.21487	0.39054	0.14653	0.0848	0.08002	3.25696714	0.003404728	5.827E-07	0.020025	0.3240136	0.036471	0.013842	0.01253523	3.642188
4589	493363.09	3859377.25	0.17085	0.06093	0.18501	0.18307	0.53205	0.16932	0.0739	0.06093	3.15395815	0.002592478	4.437E-07	0.0170614	0.4414181	0.042143	0.012069	0.00954476	3.659698
4590	493863.09	3859377.25	0.16171	0.05639	0.14834	0.16527	0.37731	0.20862	0.0629	0.05639	2.98523016	0.002399308	3.558E-07	0.0154025	0.3130373	0.051925	0.010272	0.00883356	3.369433
4591	494363.09	3859377.25	0.15409	0.05047	0.12503	0.14931	0.45553	0.42814	0.0618	0.05047	2.84456196	0.002147421	2.999E-07	0.0139151	0.3779329	0.106563	0.010079	0.00790619	3.347293
4592	494863.09	3859377.25	0.1453	0.04672	0.09523	0.11557	0.32977	1.25548	0.06	0.04672	2.68229511	0.001987864	2.284E-07	0.0107706	0.2735954	0.312485	0.009792	0.00731874	3.283607
4593	495363.09	3859377.25	0.13437	0.04174	0.08574	0.11078	0.31349	0.3873	0.051	0.04174	2.48052301	0.001775973	2.056E-07	0.0103242	0.2600887	0.096398	0.008328	0.00653862	2.850899
4594	495863.09	3859377.25	0.12482	0.03657	0.07881	0.09885	0.30115	0.2515	0.0443	0.03657	2.30422626	0.001555997	1.89E-07	0.0092124	0.2498507	0.062597	0.007234	0.00572874	2.628949
4595	496363.09	3859377.25	0.12005	0.03201	0.07459	0.09069	0.27709	0.2315	0.0385	0.03201	2.21617018	0.001361976	1.789E-07	0.0084519	0.2298892	0.05762	0.006279	0.00501441	2.514758
4596	496863.09	3859377.25	0.1099	0.02899	0.05782	0.07543	0.27026	0.1703	0.0331	0.02899	2.0287972	0.00123348	1.387E-07	0.0070298	0.2242227	0.042387	0.0054	0.00454132	2.304529
4597	497363.09	3859377.25	0.11019	0.02995	0.06174	0.08666	0.26118	0.14319	0.0371	0.02995	2.03415071	0.001274326	1.481E-07	0.0080764	0.2166894	0.03564	0.006062	0.0046917	2.297201
4598	497863.09	3859377.25	0.11099	0.03598	0.07241	0.08931	0.2861	0.12936	0.0418	0.03598	2.04891902	0.001530894	1.737E-07	0.0083233	0.2373644	0.032197	0.006816	0.00563631	2.329515
4599	498363.09	3859377.25	0.10975	0.03801	0.09219	0.10424	0.28804	0.13708	0.0421	0.03801	2.02602814	0.001617267	2.211E-07	0.0097147	0.2389739	0.034119	0.006865	0.00595431	2.311364
4600	471363.09	3859877.25	0.08317	0.02892	0.03377	0.03742	0.11422	0.04265	0.0292	0.02892	1.53535089	0.001230501	8.099E-08	0.0034874	0.0947632	0.010615	0.004765	0.00453035	1.645682
4601	471863.09	3859877.25	0.08834	0.02948	0.04014	0.03899	0.12862	0.04394	0.0298	0.02948	1.63079112	0.001254329	9.627E-08	0.0036337	0.1067103	0.010937	0.004861	0.00461808	1.753569
4602	472363.09	3859877.25	0.08751	0.02992	0.03808	0.04074	0.15314	0.045	0.0302	0.02992	1.615469	0.00127305	9.133E-08	0.0037968	0.1270534	0.0112	0.004934	0.004687	1.75904
4603	472863.09	3859877.25	0.08629	0.03028	0.04047	0.04288	0.16546	0.0476	0.0311	0.03028	1.59294732	0.001288367	9.706E-08	0.0039962	0.1372748	0.011847	0.005075	0.0047434	1.747686
4604	473363.09	3859877.25	0.08523	0.03077	0.03869	0.04522	0.18413	0.05059	0.032	0.03077	1.5733793	0.001309216	9.279E-08	0.0042143	0.1527644	0.012592	0.005225	0.00482016	1.744664
4605	473863.09	3859877.25	0.08576	0.03156	0.04329	0.04767	0.20113	0.05484	0.0325	0.03156	1.58316331	0.001342829	1.038E-07	0.0044426	0.1668686	0.013649	0.0053	0.00494391	1.769823
4606	474363.09	3859877.25	0.08672	0.0313	0.04378	0.04824	0.2136	0.04905	0.0319	0.0313	1.60088528	0.001331767	1.05E-07	0.0044958	0.1772144	0.012208	0.005209	0.00490318	1.796441
4607	474863.09	3859877.25	0.08177	0.02513	0.03994	0.04976	0.19082	0.04085	0.032	0.02513	1.50950634	0.001069243	9.579E-08	0.0046374	0.1583148	0.010167	0.00523	0.00393665	1.684989
4608	475363.09	3859877.25	0.06714	0.02026	0.03058	0.03623	0.1079	0.03526	0.0214	0.02026	1.23943079	0.000862032	7.334E-08	0.0033765	0.0895198	0.008776	0.003496	0.00317375	1.342288
4609	475863.09	3859877.25	0.04952	0.01645	0.02268	0.02061	0.0656	0.02533	0.0166	0.01645	0.91415866	0.000699922	5.439E-08	0.0019208	0.0544254	0.006305	0.00271	0.00257691	0.977642
4610	476363.09	3859877.25	0.03311	0.01243	0.01648	0.01749	0.05973	0.02146	0.0126	0.01243	0.61122361	0.000528877	3.952E-08	0.00163	0.0495553	0.005341	0.002052	0.00194717	0.668384
4611	476863.09	3859877.25	0.0339	0.01381	0.01738	0.01868	0.07084	0.02225	0.0134	0.01381	0.62580732	0.000587594	4.168E-08	0.0017409	0.0587728	0.005538	0.002184	0.00216335	0.692467
4612	477363.09	3859877.25	0.03585	0.01402	0.02225	0.02075	0.07355	0.02294	0.0136	0.01402	0.66180509	0.000596529	5.336E-08	0.0019338	0.0610212	0.00571	0.00222	0.00219625	0.73109
4613	477863.09	3859877.25	0.05495	0.01758	0.02856	0.02409	0.07452	0.02898	0.0179	0.01758	1.0143986	0.000748002	6.85E-08	0.0022451	0.0618259	0.007213	0.002919	0.00275393	1.086595

4614	478363.09	3859877.25	0.08775	0.01997	0.03377	0.0422	0.12811	0.03886	0.0243	0.01997	1.61989949	0.000849693	8.099E-08	0.0039329	0.1062871	0.009672	0.003962	0.00312832	1.741475
4615	478863.09	3859877.25	0.10972	0.0237	0.03544	0.05495	0.19266	0.04957	0.0301	0.0237	2.02547432	0.001008398	8.5E-08	0.0051211	0.1598414	0.012338	0.004916	0.00371263	2.204987
4616	479363.09	3859877.25	0.12303	0.03357	0.04794	0.06902	0.21494	0.07619	0.0371	0.03357	2.27118216	0.001428352	1.15E-07	0.0064324	0.1783261	0.018963	0.006059	0.00525878	2.477133
4617	479863.09	3859877.25	0.12714	0.0418	0.07513	0.07995	0.20144	0.08685	0.0418	0.0418	2.34705437	0.001778526	1.802E-07	0.007451	0.1671258	0.021617	0.006823	0.00654802	2.545301
4618	480363.09	3859877.25	0.1296	0.04852	0.12584	0.08919	0.21544	0.09675	0.0456	0.04852	2.39246694	0.002064451	3.018E-07	0.0083121	0.1787409	0.024081	0.007446	0.00760072	2.605511
4619	480863.09	3859877.25	0.13351	0.04943	0.11626	0.09823	0.25647	0.12143	0.0483	0.04943	2.46464708	0.00210317	2.788E-07	0.0091546	0.2127817	0.030224	0.007881	0.00774327	2.719048
4620	481363.09	3859877.25	0.14141	0.05196	0.10245	0.11251	0.28825	0.11992	0.047	0.05196	2.61048418	0.002210818	2.457E-07	0.0104855	0.2391482	0.029848	0.00767	0.0081396	2.891707
4621	481863.09	3859877.25	0.14829	0.05457	0.12269	0.12282	0.28211	0.12859	0.0475	0.05457	2.73749168	0.002321869	2.943E-07	0.0114463	0.2340541	0.032006	0.007752	0.00854846	3.016523
4622	482363.09	3859877.25	0.15432	0.05618	0.15986	0.1312	0.35528	0.13229	0.0488	0.05618	2.84880785	0.002390372	3.834E-07	0.0122273	0.29476	0.032927	0.007961	0.00880067	3.190272
4623	482863.09	3859877.25	0.15431	0.05485	0.15366	0.13021	0.43367	0.13654	0.0487	0.05485	2.84862325	0.002333783	3.685E-07	0.012135	0.3597966	0.033984	0.007946	0.00859232	3.256227
4624	483363.09	3859877.25	0.14993	0.05945	0.15697	0.14168	0.40551	0.1439	0.0536	0.05945	2.76776673	0.002529506	3.765E-07	0.013204	0.3364335	0.035816	0.008752	0.00931291	3.15519
4625	483863.09	3859877.25	0.15535	0.06514	0.14402	0.13265	0.41119	0.16603	0.057	0.06514	2.86782206	0.002771607	3.454E-07	0.0123624	0.341146	0.041324	0.009307	0.01020426	3.26453
4626	484363.09	3859877.25	0.15394	0.06645	0.17629	0.14802	0.55142	0.18842	0.0582	0.06645	2.84179291	0.002827345	4.228E-07	0.0137949	0.4574886	0.046897	0.009492	0.01040947	3.361883
4627	484863.09	3859877.25	0.16685	0.06901	0.13979	0.14727	0.45091	0.21841	0.0624	0.06901	3.08011658	0.002936269	3.353E-07	0.013725	0.3740999	0.054362	0.010185	0.0108105	3.524615
4628	485363.09	3859877.25	0.19302	0.08346	0.23788	0.13446	0.39357	0.25532	0.0747	0.08346	3.56322507	0.003551094	5.705E-07	0.0125311	0.3265275	0.063548	0.012193	0.01307411	3.968503
4629	485863.09	3859877.25	0.22575	0.09934	0.16861	0.14621	0.43138	0.2739	0.0892	0.09934	4.16743373	0.004226764	4.044E-07	0.0136262	0.3578967	0.068173	0.014555	0.01556173	4.61035
4630	486363.09	3859877.25	0.26779	0.10605	0.30589	0.18788	0.59638	0.28274	0.0969	0.10605	4.94350865	0.004512264	7.336E-07	0.0175096	0.4947899	0.070373	0.015809	0.01661286	5.52989
4631	486863.09	3859877.25	0.32057	0.11651	0.2566	0.20443	0.37984	0.35132	0.1048	0.11651	5.9178482	0.004957321	6.154E-07	0.019052	0.3151363	0.087442	0.017105	0.01825143	6.34329
4632	487363.09	3859877.25	0.42266	0.13502	0.27033	0.23629	0.41843	0.53347	0.1198	0.13502	7.80246972	0.005744893	6.483E-07	0.0220213	0.3471527	0.132779	0.019553	0.02115105	8.30857
4633	487863.09	3859877.25	0.54206	0.16896	0.24933	0.28478	0.45495	0.52975	0.1405	0.16896	10.0066407	0.007188987	5.98E-07	0.0265403	0.3774517	0.131853	0.022932	0.02646779	10.54614
4634	488363.09	3859877.25	0.5555	0.16158	0.31948	0.34616	0.22199	1.25251	0.1611	0.16158	10.2547483	0.00687498	7.662E-07	0.0322607	0.1841752	0.311745	0.026303	0.0253117	10.7908
4635	488863.09	3859877.25	0.44758	0.19097	0.3663	0.5411	0.41281	0.40918	0.1906	0.19097	8.26250272	0.008125479	8.785E-07	0.0504283	0.34249	0.101844	0.031116	0.02991568	8.766591
4636	489363.09	3859877.25	0.3774	0.22761	0.5975	0.65694	0.54119	0.3551	0.2325	0.22761	6.96695233	0.009684454	1.433E-06	0.0612241	0.4490012	0.088383	0.037947	0.03565538	7.577539
4637	489863.09	3859877.25	0.28963	0.3134	0.36905	0.47378	0.58057	0.37628	0.347	0.3134	5.34668364	0.013334687	8.851E-07	0.0441543	0.481673	0.093655	0.056642	0.04909449	5.987049
4638	490363.09	3859877.25	0.28985	0.54322	0.73228	0.73457	0.4629	0.44772	0.5412	0.54322	5.35074492	0.023113173	1.756E-06	0.0684589	0.3840475	0.111436	0.088339	0.08509607	5.941045
4639	490863.09	3859877.25	0.45965	1.14199	0.67748	2.65666	0.4628	2.38931	1.2615	1.14199	8.48531966	0.048589913	1.625E-06	0.2475897	0.3839645	0.594691	0.205918	0.17889412	9.78718
4640	491363.09	3859877.25	0.29103	0.35459	0.50063	1.25433	0.39993	0.69735	0.3571	0.35459	5.37252819	0.015087258	1.201E-06	0.1168984	0.3318041	0.173568	0.058291	0.05554696	6.012631
4641	491863.09	3859877.25	0.22961	0.23141	0.43819	0.58893	0.58854	0.41806	0.2287	0.23141	4.23869085	0.009846139	1.051E-06	0.0548858	0.4882854	0.104054	0.037324	0.03625066	4.896836
4642	492363.09	3859877.25	0.19441	0.17342	0.35825	0.39396	0.39841	0.3119	0.1561	0.17342	3.58888501	0.007378754	8.592E-07	0.0367154	0.330543	0.077631	0.025483	0.02716645	4.039471
4643	492863.09	3859877.25	0.18276	0.12778	0.24849	0.26896	0.27495	0.2615	0.1207	0.12778	3.37382143	0.005436842	5.96E-07	0.025066	0.2281137	0.065086	0.019705	0.02001689	3.697213
4644	493363.09	3859877.25	0.17268	0.10692	0.20094	0.20661	0.24973	0.24224	0.1046	0.10692	3.18774067	0.004549281	4.819E-07	0.0192552	0.2071898	0.060293	0.017069	0.01674915	3.479348
4645	493863.09	3859877.25	0.15825	0.093	0.15573	0.18522	0.26478	0.30564	0.0895	0.093	2.9213572	0.003957007	3.735E-07	0.0172617	0.2196761	0.076073	0.014606	0.01456856	3.238362
4646	494363.09	3859877.25	0.14658	0.0739	0.12829	0.15243	0.31212	0.70483	0.0741	0.0739	2.70592441	0.003144331	3.077E-07	0.0142058	0.258952	0.17543	0.012089	0.01157652	3.158169
4647	494863.09	3859877.25	0.13898	0.06865	0.11662	0.14434	0.36694	0.36689	0.0696	0.06865	2.56562543	0.002920952	2.797E-07	0.0134519	0.3044337	0.091318	0.011367	0.01075411	2.978363
4648	495363.09	3859877.25	0.13364	0.06336	0.10881	0.13038	0.27334	0.27248	0.0603	0.06336	2.46704693	0.00269587	2.61E-07	0.0121509	0.226778	0.067819	0.009841	0.00992542	2.776407
4649	495863.09	3859877.25	0.12647	0.05417	0.1061	0.12114	0.31321	0.22924	0.0536	0.05417	2.33468591	0.00230485	2.545E-07	0.0112897	0.2598564	0.057057	0.008746	0.0084858	2.665454
4650	496363.09	3859877.25	0.11642	0.04455	0.08092	0.10076	0.334	0.15354	0.0494	0.04455	2.14915896	0.001895534	1.941E-07	0.0093904	0.2771049	0.038216	0.008055	0.00697881	2.476842
4651	496863.09	3859877.25	0.10058	0.03257	0.04996	0.06698	0.24846	0.10605	0.0377	0.03257	1.85674633	0.001385803	1.198E-07	0.0062423	0.2061362	0.026395	0.00615	0.00510213	2.097954
4652	497363.09	3859877.25	0.11057	0.0347	0.06496	0.08283	0.27119	0.1268	0.0398	0.0347	2.04116566	0.001476431	1.558E-07	0.0077194	0.2249942	0.03156	0.006492	0.0054358	2.307972
4653	497863.09	3859877.25	0.11001	0.04359	0.09245	0.09468	0.28342	0.14284	0.0423	0.04359	2.03082784	0.001854687	2.217E-07	0.0088238	0.2351409	0.035552	0.0069	0.00682843	2.312271
4654	498363.09	3859877.25	0.1033	0.04759	0.09781	0.09875	0.23452	0.14151	0.0454	0.04759	1.9069586	0.002024881	2.346E-07	0.0092031	0.1945708	0.035221	0.007404	0.00745503	2.147928
4655	471363.09	3860377.25	0.07509	0.02584	0.03718	0.0415	0.1739	0.04464	0.0261	0.02584	1.38619091	0.001099452	8.917E-08	0.0038676	0.1442771	0.011111	0.004259	0.00404787	1.546757
4656	471863.09	3860377.25	0.07724	0.02638	0.04543	0.04377	0.17672	0.04843	0.0271	0.02638	1.42588076	0.001122428	1.09E-07	0.0040792	0.1466167	0.012054	0.004425	0.00413246	1.590046
4657	472363.09	3860377.25	0.0776	0.02696	0.04265	0.04631	0.17171	0.05377	0.0281	0.02696	1.4325265	0.001147106	1.023E-07	0.0043159	0.1424601	0.013383	0.004585	0.00422332	1.594195
4658	472863.09	3860377.25	0.07834	0.02806	0.04053	0.04912	0.16004	0.05479	0.0288	0.02806	1.44618719	0.00119391	9.72E-08	0.0045778	0.132778	0.013637	0.004698	0.00439563	1.598676
4659	473363.09	3860377.25	0.07972	0.0305	0.043	0.05046	0.16481	0.05874	0.0307	0.0305	1.47166253	0.001297728	1.031E-07	0.0047027	0.1367355	0.01462	0.005018	0.00477786	1.629258
4660	473863.09	3860377.25	0.08075	0.03154	0.04563	0.05138	0.1539	0.06127	0.0315	0.03154	1.49067674	0.001341978	1.094E-07	0.0047884	0.127684	0.01525	0.005147	0.00494078	1.639947
4661	474363.09	3860377.25	0.08421	0.03158	0.04718	0.05521	0.18725	0.06136	0.0324	0.03158	1.5545497	0.00134368	1.132E-07	0.0051453	0.155353	0.015272	0.00528	0.00494705	1.731997
4662	474863.09	3860377.25	0.0877	0.02929	0.04703	0.054	0.23072	0.05723	0.0305	0.02929	1.61897647	0.001246244	1.128E-07	0.0050326	0.1914181	0.014244	0.004975	0.00458831	1.831305
4663	475363.09	3860377.25	0.08824	0.02606	0.03584	0.05105	0.16417	0.04993	0.0301	0.02606	1.62894508	0.001108813	8.596E-08	0.0047576	0.1362045	0.012427	0.004912	0.00408233	1.784273
4664	475863.09	3860377.25	0.08658	0.02172	0.0316	0.04697	0.15472	0.04191	0.0288	0.02172	1.59830083	0.000924152	7.579E-08	0.0043774	0.1283643	0.010431	0.004704	0.00340246	1.7437
4665	476363.09	3860377.25	0.08052	0.02188	0.03179	0.03541	0.1145	0.03584	0.0221	0.02188	1.48643085	0.00093096	7.624E-08	0.0033001	0.0949955	0.00892	0.003599	0.00342753	1.59475
4666	476863.09	3860377.25	0.07591	0.02117	0.03866	0.03553	0.10704	0.03485	0.0213	0.02117	1.40132844	0.000900751	9.272E-08	0.0033112	0.0888063	0.008674	0.003482	0.00331631	1.503186
4667	477363.09	3860377.25	0.04644	0.01667	0.02099	0.0238	0.06502	0.02367	0.0169	0.01667	0.85730065	0.000709283	5.034E-08	0.0022181	0.0539442	0.005891	0.00275	0.00261138	0.920203
4668	477863.09	3860377.25	0.05985	0.01906	0.02174	0.03097	0.07519	0.02603	0.0192	0.01906	1.10485452	0.000810974	5.214E-08	0.0028863	0.0623818	0.006479	0.003136	0.00298577	1.177562
4669	478363.09	3860377.25	0.09502	0.02097	0.02995	0.04671	0.10562	0.03796	0.0238	0.02097	1.75410655	0.000892241	7.183E-08	0.0043532	0.0876282	0.009448	0.003883	0.00328498	1.857027
4670	478863.09	3860377.25	0.11415	0.02791	0.04285	0.07162	0.14234	0.05048	0.0282	0.02791	2.10725387	0.001187527	1.028E-07	0.0066747	0.1180931	0.012564	0.004601	0.00437214	2.246003

4671	479363.09	3860377.25	0.12276	0.03451	0.05189	0.08943	0.18314	0.06441	0.0352	0.03451	2.26619785	0.001468347	1.244E-07	0.0083345	0.1519431	0.016031	0.005749	0.00540603	2.444318
4672	479863.09	3860377.25	0.13019	0.04194	0.10817	0.09906	0.25151	0.08645	0.0416	0.04194	2.40335857	0.001784482	2.594E-07	0.009232	0.2086666	0.021517	0.006789	0.00656995	2.644778
4673	480363.09	3860377.25	0.12423	0.04763	0.11136	0.10541	0.26709	0.09667	0.0458	0.04763	2.29333463	0.002026583	2.671E-07	0.0098238	0.2215926	0.024061	0.007469	0.0074613	2.550847
4674	480863.09	3860377.25	0.11676	0.04876	0.09884	0.10778	0.25345	0.11006	0.0476	0.04876	2.15543549	0.002074663	2.371E-07	0.0100447	0.2102761	0.027394	0.007763	0.00763831	2.40535
4675	481363.09	3860377.25	0.12979	0.05286	0.10763	0.10689	0.29365	0.11351	0.0462	0.05286	2.39597441	0.002249111	2.581E-07	0.0099617	0.2436283	0.028252	0.007546	0.00828058	2.679332
4676	481863.09	3860377.25	0.12854	0.05266	0.15485	0.10559	0.30337	0.12285	0.0519	0.05266	2.37289892	0.002240602	3.714E-07	0.0098406	0.2516925	0.030577	0.008467	0.00824925	2.667467
4677	482363.09	3860377.25	0.13362	0.05743	0.15476	0.11009	0.33633	0.13113	0.0535	0.05743	2.46667772	0.002443558	3.712E-07	0.0102599	0.279038	0.032638	0.008739	0.00899648	2.7908
4678	482863.09	3860377.25	0.13243	0.05491	0.13023	0.11249	0.35562	0.14279	0.0501	0.05491	2.44470985	0.002336336	3.123E-07	0.0104836	0.295042	0.03554	0.008179	0.00860172	2.78769
4679	483363.09	3860377.25	0.12708	0.05682	0.12399	0.11169	0.40652	0.14994	0.0525	0.05682	2.34594675	0.002417603	2.974E-07	0.010409	0.3372715	0.03732	0.008568	0.00890092	2.733032
4680	483863.09	3860377.25	0.13014	0.06001	0.14942	0.11524	0.47315	0.15243	0.0559	0.06001	2.40243555	0.002553333	3.584E-07	0.0107399	0.3925514	0.037939	0.009131	0.00940064	2.84595
4681	484363.09	3860377.25	0.13034	0.0625	0.16504	0.11306	0.36188	0.1615	0.0567	0.0625	2.40612763	0.002659279	3.958E-07	0.0105367	0.3002357	0.040197	0.009247	0.0097907	2.759213
4682	484863.09	3860377.25	0.13075	0.06296	0.17405	0.12329	0.3202	0.17125	0.0598	0.06296	2.41369639	0.002678851	4.174E-07	0.0114901	0.2656556	0.042624	0.009761	0.00986276	2.736043
4683	485363.09	3860377.25	0.14539	0.06549	0.14784	0.13391	0.37653	0.1888	0.0611	0.06549	2.68395654	0.002786498	3.546E-07	0.0124799	0.3123901	0.046992	0.009968	0.01025909	3.058314
4684	485863.09	3860377.25	0.15569	0.06866	0.22679	0.15318	0.48618	0.21487	0.067	0.06866	2.87409859	0.002921377	5.439E-07	0.0142757	0.4033618	0.05348	0.010943	0.01075567	3.348326
4685	486363.09	3860377.25	0.17011	0.07714	0.18349	0.18053	0.38405	0.24906	0.0771	0.07714	3.14029746	0.003282188	4.401E-07	0.0168246	0.3186291	0.06199	0.012578	0.01208407	3.541518
4686	486863.09	3860377.25	0.22411	0.10055	0.19092	0.20052	0.30046	0.32523	0.0841	0.10055	4.13715869	0.004278247	4.579E-07	0.0186876	0.2492782	0.080949	0.013723	0.01575128	4.488323
4687	487363.09	3860377.25	0.37052	0.10349	0.20888	0.22373	0.23861	0.50855	0.091	0.10349	6.83994483	0.00440334	5.01E-07	0.0208507	0.1979641	0.126576	0.01486	0.01621183	7.188388
4688	487863.09	3860377.25	0.47615	0.11759	0.23765	0.24238	0.32934	0.46789	0.1168	0.11759	8.78991615	0.005003273	5.7E-07	0.0225888	0.2732387	0.116456	0.019057	0.01842062	9.20784
4689	488363.09	3860377.25	0.52012	0.16241	0.2583	0.29545	0.21864	1.14223	0.1358	0.16241	9.60161963	0.006910295	6.195E-07	0.0275347	0.1813958	0.284297	0.022166	0.02544172	10.09848
4690	488863.09	3860377.25	0.55146	0.15197	0.29245	0.48481	0.20162	0.38262	0.1519	0.15197	10.1801683	0.006466089	7.014E-07	0.0451823	0.1672751	0.095233	0.024793	0.02380629	10.49531
4691	489363.09	3860377.25	0.4137	0.18365	0.45981	0.61787	0.42682	0.28296	0.1852	0.18365	7.6370646	0.007814024	1.103E-06	0.0575829	0.3541135	0.070428	0.030223	0.028769	8.128458
4692	489863.09	3860377.25	0.27473	0.21618	0.29796	0.32039	0.44983	0.2459	0.2279	0.21618	5.07162378	0.009198126	7.146E-07	0.029859	0.3732039	0.061204	0.037195	0.03386486	5.548419
4693	490363.09	3860377.25	0.25608	0.2209	0.35543	0.27484	0.40145	0.29077	0.2378	0.2209	4.72733745	0.009398954	8.524E-07	0.025614	0.3330651	0.072372	0.038813	0.03460425	5.171996
4694	490863.09	3860377.25	0.21019	0.28779	0.37882	0.35977	0.33943	0.29014	0.2987	0.28779	3.88019001	0.012245021	9.085E-07	0.0335291	0.2816099	0.072215	0.04875	0.04508265	4.283457
4695	491363.09	3860377.25	0.22873	0.54499	0.20595	0.38915	0.31233	0.29735	0.5397	0.54499	4.2224457	0.023188484	4.939E-07	0.0362672	0.2591263	0.074009	0.088086	0.08537335	4.617751
4696	491863.09	3860377.25	0.30819	0.48178	0.2575	0.44422	0.29918	0.41785	0.4663	0.48178	5.68930853	0.020498996	6.176E-07	0.0413995	0.2482163	0.104001	0.076107	0.07547142	6.104061
4697	492363.09	3860377.25	0.20943	0.28368	0.30333	0.44429	0.36429	0.8479	0.2704	0.28368	3.86616012	0.012070146	7.275E-07	0.041406	0.3022351	0.211039	0.044132	0.04443882	4.432605
4698	492863.09	3860377.25	0.17642	0.18761	0.2927	0.37609	0.36182	1.35057	0.1869	0.18761	3.25678254	0.007982516	7.02E-07	0.03505	0.3001859	0.336152	0.030509	0.02938933	3.937274
4699	493363.09	3860377.25	0.16255	0.1462	0.22194	0.25854	0.24361	0.76428	0.1353	0.1462	3.00073689	0.006220585	5.323E-07	0.0240949	0.2021123	0.190227	0.022085	0.02290241	3.422574
4700	493863.09	3860377.25	0.14883	0.12809	0.20517	0.19177	0.19428	0.73579	0.1165	0.12809	2.7474603	0.005450032	4.921E-07	0.0178722	0.1611854	0.183136	0.019018	0.02006545	3.114056
4701	494363.09	3860377.25	0.14466	0.10689	0.18183	0.16011	0.18452	0.60222	0.0931	0.10689	2.67048046	0.004548005	4.361E-07	0.0149216	0.153088	0.149891	0.015195	0.01674445	2.99138
4702	494863.09	3860377.25	0.13269	0.09712	0.18079	0.15344	0.18144	0.41665	0.0894	0.09712	2.44950955	0.004132306	4.336E-07	0.0143	0.1505327	0.103703	0.014596	0.01521397	2.72156
4703	495363.09	3860377.25	0.12016	0.08726	0.14768	0.14379	0.21562	0.32914	0.0797	0.08726	2.21820083	0.003712778	3.542E-07	0.0134006	0.1788903	0.081922	0.013003	0.01366939	2.49546
4704	495863.09	3860377.25	0.11634	0.06844	0.11964	0.1219	0.28136	0.23591	0.067	0.06844	2.14768213	0.002912016	2.869E-07	0.0113606	0.2334318	0.058717	0.01093	0.01072121	2.454313
4705	496363.09	3860377.25	0.11684	0.05809	0.10066	0.10449	0.23653	0.15176	0.0535	0.05809	2.15691232	0.00247164	2.414E-07	0.009738	0.1962384	0.037773	0.008729	0.00909987	2.402763
4706	496863.09	3860377.25	0.11304	0.04774	0.07995	0.0906	0.17234	0.12037	0.0499	0.04774	2.08676283	0.002031263	1.917E-07	0.0084435	0.1429828	0.02996	0.008148	0.00747853	2.27085
4707	497363.09	3860377.25	0.10896	0.04173	0.06339	0.07487	0.19092	0.09746	0.045	0.04173	2.01144443	0.001775547	1.52E-07	0.0069776	0.1583978	0.024257	0.007344	0.00653706	2.20366
4708	497863.09	3860377.25	0.10397	0.04584	0.07646	0.08619	0.28857	0.121	0.0447	0.04584	1.91932706	0.001950421	1.834E-07	0.0080326	0.2394136	0.030116	0.0073	0.00718089	2.198959
4709	498363.09	3860377.25	0.09554	0.05388	0.08752	0.09302	0.23005	0.14957	0.0471	0.05388	1.76370595	0.002292511	2.099E-07	0.0086691	0.1908622	0.037227	0.007686	0.00844037	2.002003
4710	471363.09	3860877.25	0.07284	0.02704	0.034	0.0428	0.13379	0.05133	0.025	0.02704	1.34465503	0.00115051	8.154E-08	0.0039888	0.1109996	0.012776	0.004076	0.00423585	1.47341
4711	471863.09	3860877.25	0.07459	0.02762	0.03664	0.04333	0.13873	0.05496	0.0255	0.02762	1.37696072	0.001175188	8.788E-08	0.0040382	0.1150981	0.013679	0.004164	0.00432671	1.510789
4712	472363.09	3860877.25	0.0766	0.02819	0.03838	0.04404	0.17509	0.05834	0.0261	0.02819	1.41406611	0.001199441	9.205E-08	0.0041043	0.1452644	0.014521	0.004257	0.004416	1.578996
4713	472863.09	3860877.25	0.07846	0.02892	0.0449	0.04858	0.18663	0.06091	0.0268	0.02892	1.44840244	0.001230501	1.077E-07	0.0045275	0.1548386	0.01516	0.004368	0.00453035	1.623997
4714	473363.09	3860877.25	0.07957	0.02947	0.0568	0.05254	0.15832	0.06658	0.0272	0.02947	1.46889347	0.001253903	1.362E-07	0.0048965	0.131351	0.016572	0.004441	0.00461651	1.622792
4715	473863.09	3860877.25	0.08233	0.02995	0.05986	0.05525	0.15361	0.06937	0.0277	0.02995	1.51984416	0.001274326	1.436E-07	0.0051491	0.1274434	0.017266	0.004513	0.0046917	1.670799
4716	474363.09	3860877.25	0.08492	0.03022	0.05626	0.05736	0.18337	0.07107	0.0279	0.03022	1.56765658	0.001285814	1.349E-07	0.0053457	0.1521339	0.017689	0.004554	0.004734	1.743931
4717	474863.09	3860877.25	0.08865	0.03055	0.0412	0.05965	0.12953	0.07036	0.0283	0.03055	1.63651384	0.001299855	9.881E-08	0.0055591	0.1074653	0.017512	0.004614	0.00478569	1.768179
4718	475363.09	3860877.25	0.09195	0.02975	0.04821	0.06474	0.12269	0.06732	0.0282	0.02975	1.69743314	0.001265817	1.156E-07	0.0060335	0.1017904	0.016756	0.004605	0.00466037	1.823223
4719	475863.09	3860877.25	0.09466	0.0277	0.04539	0.06892	0.15699	0.06075	0.0274	0.0277	1.74746081	0.001178592	1.089E-07	0.0064231	0.1302476	0.01512	0.004477	0.00433924	1.900569
4720	476363.09	3860877.25	0.09727	0.02459	0.04134	0.06936	0.10527	0.04992	0.0269	0.02459	1.79564243	0.001046267	9.915E-08	0.0064641	0.0873378	0.012425	0.004396	0.00385205	1.903459
4721	476863.09	3860877.25	0.09679	0.02448	0.03647	0.06548	0.10297	0.04775	0.0266	0.02448	1.78678144	0.001041586	8.747E-08	0.0061025	0.0854296	0.011885	0.004345	0.00383482	1.89175
4722	477363.09	3860877.25	0.09506	0.02508	0.03182	0.06909	0.11323	0.0496	0.0272	0.02508	1.75484496	0.001067115	7.632E-08	0.0064389	0.0939419	0.012345	0.004437	0.00392881	1.869146
4723	477863.09	3860877.25	0.09088	0.02374	0.02454	0.05953	0.12831	0.03891	0.0251	0.02374	1.67768052	0.0010101	5.886E-08	0.0055479	0.1064531	0.009685	0.004104	0.0037189	1.800761
4724	478363.09	3860877.25	0.07287	0.0187	0.0294	0.03259	0.09847	0.03179	0.0188	0.0187	1.34520884	0.000795656	7.051E-08	0.0030373	0.0816962	0.007912	0.003072	0.00292938	1.438793
4725	478863.09	3860877.25	0.10834	0.02736	0.03745	0.05337	0.18417	0.04409	0.0259	0.02736	1.99999898	0.001164126	8.982E-08	0.0049739	0.1527976	0.010974	0.004224	0.00428598	2.169847
4726	479363.09	3860877.25	0.11209	0.03114	0.07974	0.06134	0.19089	0.06285	0.0315	0.03114	2.06922546	0.001324959	1.912E-07	0.0057166	0.1583729	0.015643	0.005148	0.00487812	2.250553
4727	479863.09	3860877.25	0.11341	0.03862	0.10951	0.08209	0.23195	0.08585	0.0378	0.03862	2.09359318	0.001643221	2.626E-07	0.0076504	0.1924386	0.021368	0.006175	0.00604987	2.316819

4728	480363.09	3860877.25	0.1041	0.0461	0.09611	0.08888	0.2493	0.10188	0.0414	0.0461	1.92172692	0.001961484	2.305E-07	0.0082832	0.2068331	0.025358	0.006758	0.00722162	2.163699
4729	480863.09	3860877.25	0.10438	0.04751	0.1042	0.09313	0.24117	0.11191	0.0424	0.04751	1.92689583	0.002021477	2.499E-07	0.0086793	0.200088	0.027854	0.006913	0.0074425	2.165009
4730	481363.09	3860877.25	0.10703	0.04811	0.13163	0.08537	0.26765	0.11311	0.0453	0.04811	1.97581587	0.002047006	3.157E-07	0.0079561	0.2220573	0.028153	0.007396	0.00753649	2.235889
4731	481863.09	3860877.25	0.10562	0.04954	0.09185	0.08918	0.29856	0.11694	0.046	0.04954	1.94978671	0.002107851	2.203E-07	0.0083112	0.2477019	0.029106	0.007513	0.0077605	2.236767
4732	482363.09	3860877.25	0.12054	0.05105	0.1216	0.09394	0.30821	0.12134	0.0485	0.05105	2.22521578	0.002172099	2.916E-07	0.0087548	0.2557081	0.030201	0.00792	0.00799704	2.521975
4733	482863.09	3860877.25	0.11142	0.0511	0.14424	0.09863	0.37563	0.12739	0.0494	0.0511	2.05685699	0.002174226	3.459E-07	0.0091919	0.3116434	0.031707	0.008059	0.00800488	2.411628
4734	483363.09	3860877.25	0.12433	0.05401	0.10363	0.10137	0.33138	0.13521	0.0519	0.05401	2.29518067	0.002298042	2.485E-07	0.0094473	0.2749312	0.033653	0.008476	0.00846073	2.615526
4735	483863.09	3860877.25	0.13122	0.05677	0.12736	0.11362	0.28751	0.14709	0.0545	0.05677	2.42237278	0.002415476	3.055E-07	0.0105889	0.2385342	0.03661	0.008889	0.00889309	2.710518
4736	484363.09	3860877.25	0.12212	0.05822	0.14786	0.11265	0.26744	0.16256	0.055	0.05822	2.2543832	0.002477171	3.546E-07	0.0104985	0.221883	0.040461	0.008979	0.00912023	2.529562
4737	484863.09	3860877.25	0.12576	0.05969	0.11616	0.12234	0.2627	0.16571	0.059	0.05969	2.32157903	0.002539717	2.786E-07	0.0114016	0.2179505	0.041245	0.009629	0.00935051	2.594994
4738	485363.09	3860877.25	0.13293	0.06151	0.13522	0.13732	0.34387	0.19267	0.0611	0.06151	2.45394005	0.002617156	3.243E-07	0.0127977	0.2852936	0.047955	0.009965	0.00963562	2.802933
4739	485863.09	3860877.25	0.1391	0.06307	0.18443	0.15361	0.4047	0.2174	0.0628	0.06307	2.56784067	0.002683531	4.423E-07	0.0143158	0.3357615	0.05411	0.010256	0.00987999	2.975088
4740	486363.09	3860877.25	0.163	0.06444	0.14356	0.18116	0.28392	0.24532	0.0636	0.06444	3.00904407	0.002741823	3.443E-07	0.0168834	0.2355557	0.061059	0.010375	0.0100946	3.325565
4741	486863.09	3860877.25	0.18167	0.07884	0.1814	0.1746	0.23539	0.29021	0.068	0.07884	3.3536996	0.00335452	4.351E-07	0.016272	0.1952926	0.072232	0.011096	0.01235038	3.639597
4742	487363.09	3860877.25	0.20323	0.09316	0.14255	0.18922	0.17637	0.35695	0.0756	0.09316	3.75170568	0.003963814	3.419E-07	0.0176345	0.1463263	0.088844	0.012334	0.01459363	4.006214
4743	487863.09	3860877.25	0.24579	0.09548	0.15225	0.18806	0.27655	0.33305	0.0885	0.09548	4.53738001	0.004062527	3.651E-07	0.0175264	0.2294412	0.082895	0.014449	0.01495706	4.870797
4744	488363.09	3860877.25	0.31381	0.10413	0.17244	0.2607	0.17213	0.41557	0.1043	0.10413	5.79305594	0.004430571	4.136E-07	0.0242962	0.1428086	0.103434	0.017018	0.01631209	6.068732
4745	488863.09	3860877.25	0.29185	0.10819	0.28493	0.45137	0.11034	0.29099	0.1094	0.10819	5.38766571	0.004603318	6.834E-07	0.0420658	0.0915442	0.072426	0.01786	0.0169481	5.599219
4746	489363.09	3860877.25	0.26006	0.12327	0.1615	0.53385	0.25771	0.25214	0.1245	0.12327	4.80080982	0.005244948	3.873E-07	0.0497526	0.2138105	0.062757	0.02032	0.0193104	5.133385
4747	489863.09	3860877.25	0.2349	0.13556	0.17863	0.24974	0.32351	0.22483	0.1309	0.13556	4.33634633	0.005767869	4.284E-07	0.0232747	0.2684018	0.055959	0.021367	0.02123564	4.689882
4748	490363.09	3860877.25	0.20437	0.1792	0.20298	0.20559	0.3907	0.23629	0.1941	0.1792	3.77275053	0.007624684	4.868E-07	0.0191601	0.3241463	0.058812	0.031684	0.0280719	4.186106
4749	490863.09	3860877.25	0.18337	0.22917	0.18627	0.19793	0.33253	0.26195	0.2292	0.22917	3.38508227	0.00975083	4.467E-07	0.0184463	0.2758853	0.065198	0.037419	0.03589976	3.755882
4750	491363.09	3860877.25	0.17843	0.27918	0.22548	0.2369	0.25827	0.248	0.2854	0.27918	3.29388793	0.011878678	5.408E-07	0.0220781	0.2142751	0.061726	0.046585	0.04373389	3.606698
4751	491863.09	3860877.25	0.17604	0.4431	0.20696	0.21934	0.22624	0.24334	0.4435	0.4431	3.24976759	0.018853222	4.964E-07	0.0204416	0.1877012	0.060567	0.072385	0.06941215	3.540304
4752	492363.09	3860877.25	0.1854	0.6861	0.12329	0.2353	0.2585	0.23829	0.7136	0.6861	3.42255687	0.029192497	2.957E-07	0.021929	0.2144659	0.05931	0.116473	0.1074784	3.756449
4753	492863.09	3860877.25	0.16314	0.28665	0.1624	0.25231	0.2192	0.27117	0.2726	0.28665	3.01162852	0.012196515	3.895E-07	0.0235142	0.1818605	0.067493	0.044488	0.04490407	3.296277
4754	493363.09	3860877.25	0.13693	0.22223	0.18864	0.20238	0.32431	0.2789	0.2103	0.22223	2.52778162	0.009455544	4.524E-07	0.018861	0.2690655	0.069417	0.034325	0.0348126	2.894094
4755	493863.09	3860877.25	0.12704	0.18418	0.17439	0.20273	0.28559	0.28909	0.1767	0.18418	2.34520833	0.007836575	4.182E-07	0.0188936	0.2369413	0.071954	0.028846	0.02885202	2.680827
4756	494363.09	3860877.25	0.11844	0.1554	0.17136	0.17709	0.16846	0.28261	0.1393	0.1554	2.18644895	0.00661203	4.11E-07	0.0165041	0.1397637	0.070341	0.022739	0.0243436	2.418066
4757	494863.09	3860877.25	0.11417	0.12505	0.15288	0.16382	0.1451	0.24383	0.1242	0.12505	2.10762307	0.005320685	3.667E-07	0.0152673	0.120383	0.060688	0.02028	0.01958923	2.309973
4758	495363.09	3860877.25	0.11091	0.11326	0.14044	0.13141	0.15047	0.2135	0.1092	0.11326	2.04744219	0.004819038	3.368E-07	0.0122469	0.1248382	0.053139	0.01782	0.01774232	2.242563
4759	495863.09	3860877.25	0.10839	0.10388	0.13554	0.12795	0.13521	0.18387	0.1035	0.10388	2.000922	0.004419934	3.251E-07	0.0119244	0.1121777	0.045765	0.016889	0.01627293	2.175825
4760	496363.09	3860877.25	0.10786	0.08783	0.11953	0.12248	0.16428	0.19271	0.0811	0.08783	1.99113799	0.003737031	2.867E-07	0.0114146	0.1362958	0.047965	0.013238	0.01375868	2.19003
4761	496863.09	3860877.25	0.10589	0.07513	0.11123	0.11284	0.19862	0.16519	0.0665	0.07513	1.95477102	0.003196666	2.668E-07	0.0105162	0.1647861	0.041115	0.010853	0.01176921	2.173469
4762	497363.09	3860877.25	0.10123	0.06443	0.10398	0.11001	0.25367	0.16254	0.0623	0.06443	1.86874559	0.002741397	2.494E-07	0.0102525	0.2104587	0.040456	0.010171	0.01009304	2.132732
4763	497863.09	3860877.25	0.0989	0.05805	0.08534	0.10171	0.18373	0.1407	0.0578	0.05805	1.82573287	0.002469938	2.047E-07	0.009479	0.1524326	0.03502	0.00944	0.0090936	2.02548
4764	498363.09	3860877.25	0.08942	0.05975	0.09132	0.09886	0.16279	0.13887	0.0545	0.05975	1.65072835	0.00254227	2.19E-07	0.0092133	0.1350596	0.034564	0.008901	0.00935991	1.831649
4765	471363.09	3861377.25	0.07269	0.02762	0.03904	0.04534	0.13498	0.05755	0.0259	0.02762	1.34188597	0.001175188	9.363E-08	0.0042255	0.1119869	0.014324	0.004234	0.00432671	1.473505
4766	471863.09	3861377.25	0.07313	0.02815	0.04093	0.04854	0.12038	0.06047	0.0263	0.02815	1.35000854	0.001197739	9.816E-08	0.0045237	0.0998739	0.015051	0.00429	0.00440973	1.470535
4767	472363.09	3861377.25	0.07671	0.02865	0.04891	0.05303	0.14663	0.06328	0.0268	0.02865	1.41609675	0.001219013	1.173E-07	0.0049422	0.1216524	0.01575	0.004368	0.00448806	1.559541
4768	472863.09	3861377.25	0.07717	0.02918	0.05055	0.05735	0.14348	0.06494	0.027	0.02918	1.42458853	0.001241564	1.212E-07	0.0053448	0.1190389	0.016163	0.004409	0.00457108	1.566215
4769	473363.09	3861377.25	0.07915	0.0298	0.05319	0.0618	0.11177	0.06401	0.0272	0.0298	1.46114011	0.001267944	1.276E-07	0.0057595	0.0927306	0.015932	0.004446	0.00466821	1.576608
4770	473863.09	3861377.25	0.08069	0.02995	0.04903	0.06659	0.10758	0.06228	0.0273	0.02995	1.48956911	0.001274326	1.176E-07	0.0062059	0.0892543	0.015501	0.004458	0.0046917	1.601571
4771	474363.09	3861377.25	0.08137	0.03069	0.05256	0.06913	0.11923	0.06366	0.0277	0.03069	1.50212218	0.001305812	1.261E-07	0.0064426	0.0989198	0.015845	0.004515	0.00480763	1.624343
4772	474863.09	3861377.25	0.08278	0.03066	0.04701	0.07162	0.10523	0.06231	0.0278	0.03066	1.52815134	0.001304536	1.127E-07	0.0066747	0.0873046	0.015509	0.004531	0.00480293	1.638672
4773	475363.09	3861377.25	0.08303	0.0315	0.05574	0.07048	0.10882	0.06504	0.0283	0.0315	1.53276643	0.001340276	1.337E-07	0.0065684	0.0902831	0.016188	0.004611	0.00493451	1.646823
4774	475863.09	3861377.25	0.08708	0.03103	0.05988	0.06991	0.0952	0.06226	0.0282	0.03103	1.60753103	0.001320279	1.436E-07	0.0065153	0.0789832	0.015496	0.004605	0.00486089	1.70959
4775	476363.09	3861377.25	0.09202	0.02954	0.05579	0.06453	0.11089	0.05842	0.0278	0.02954	1.69872537	0.001256881	1.338E-07	0.0060139	0.0920005	0.014541	0.004544	0.00462748	1.812454
4776	476863.09	3861377.25	0.09247	0.02854	0.04854	0.05627	0.13844	0.05821	0.0271	0.02854	1.70703254	0.001214333	1.164E-07	0.0052441	0.1148575	0.014488	0.004425	0.00447083	1.842791
4777	477363.09	3861377.25	0.09233	0.02733	0.05003	0.05816	0.17853	0.05616	0.0272	0.02733	1.70444809	0.001162849	1.2E-07	0.0054203	0.1481184	0.013978	0.004445	0.00428128	1.873291
4778	477863.09	3861377.25	0.09778	0.02303	0.03989	0.05318	0.17623	0.04565	0.0253	0.02303	1.80505723	0.000979891	9.567E-08	0.0049562	0.1462102	0.011362	0.00413	0.00360768	1.969088
4779	478363.09	3861377.25	0.07443	0.02047	0.02935	0.03522	0.13908	0.03778	0.0206	0.02047	1.37400705	0.000870967	7.039E-08	0.0032824	0.1153885	0.009403	0.003366	0.00320665	1.503111
4780	478863.09	3861377.25	0.08599	0.02171	0.03563	0.04378	0.1564	0.0415	0.0214	0.02171	1.5874092	0.000923727	8.545E-08	0.0040801	0.1297581	0.010329	0.003496	0.0034009	1.732596
4781	479363.09	3861377.25	0.10417	0.02878	0.06384	0.05043	0.21629	0.0637	0.0288	0.02878	1.92301914	0.001224545	1.531E-07	0.0046999	0.1794462	0.015855	0.004696	0.00450842	2.124432
4782	479863.09	3861377.25	0.09817	0.03774	0.08766	0.06466	0.19557	0.08318	0.038	0.03774	1.81225679	0.001605779	2.102E-07	0.006026	0.1622557	0.020703	0.006196	0.00591202	2.003132
4783	480363.09	3861377.25	0.09293	0.04249	0.09012	0.06686	0.22451	0.09893	0.042	0.04249	1.71552433	0.001807884	2.161E-07	0.0062311	0.1862659	0.024623	0.006849	0.00665611	1.934646
4784	480863.09	3861377.25	0.09197	0.04454	0.08378	0.07615	0.26189	0.1036	0.0432	0.04454	1.69780235	0.001895108	2.009E-07	0.0070969	0.2172784	0.025786	0.007043	0.00697725	1.949925

4785	481363.09	3861377.25	0.09669	0.04621	0.1014	0.0837	0.25217	0.10941	0.0444	0.04621	1.7849354	0.001966164	2.432E-07	0.0078005	0.2092142	0.027232	0.007246	0.00723885	2.031155
4786	481863.09	3861377.25	0.0962	0.04782	0.11134	0.08314	0.28222	0.11347	0.0456	0.04782	1.77588981	0.002034667	2.67E-07	0.0077483	0.2341453	0.028242	0.007442	0.00749106	2.048011
4787	482363.09	3861377.25	0.10083	0.04896	0.0933	0.08881	0.31973	0.12048	0.0469	0.04896	1.86136143	0.002083172	2.238E-07	0.0082767	0.2652657	0.029987	0.007649	0.00766964	2.166954
4788	482863.09	3861377.25	0.11504	0.04961	0.14129	0.09497	0.2723	0.12381	0.0482	0.04961	2.12368362	0.002110829	3.389E-07	0.0088508	0.2259152	0.030816	0.007871	0.00777147	2.391476
4789	483363.09	3861377.25	0.11068	0.0508	0.10936	0.10219	0.21941	0.13453	0.0498	0.0508	2.0431963	0.002161462	2.623E-07	0.0095237	0.1820347	0.033484	0.00813	0.00795788	2.270573
4790	483863.09	3861377.25	0.1151	0.04977	0.12965	0.10415	0.21751	0.151	0.0497	0.04977	2.12479124	0.002117637	3.109E-07	0.0097063	0.1804583	0.037583	0.008114	0.00779653	2.354975
4791	484363.09	3861377.25	0.11649	0.05335	0.11839	0.10774	0.22638	0.14926	0.0521	0.05335	2.15045119	0.00226996	2.839E-07	0.0100409	0.1878174	0.03715	0.008503	0.00835734	2.387875
4792	484863.09	3861377.25	0.11483	0.05535	0.12866	0.12416	0.26215	0.14521	0.0538	0.05535	2.11980693	0.002355057	3.086E-07	0.0115712	0.2174942	0.036142	0.008788	0.00867064	2.387488
4793	485363.09	3861377.25	0.11211	0.05538	0.16725	0.13457	0.37095	0.16165	0.0533	0.05538	2.06959466	0.002356334	4.011E-07	0.0125414	0.3077607	0.040234	0.0087	0.00867534	2.432512
4794	485863.09	3861377.25	0.11543	0.05672	0.13868	0.14659	0.25239	0.15726	0.055	0.05672	2.13088317	0.002413349	3.326E-07	0.0136616	0.2093967	0.039141	0.008974	0.00888526	2.395586
4795	486363.09	3861377.25	0.12109	0.05859	0.09224	0.15346	0.20979	0.1616	0.0575	0.05859	2.23536899	0.002492914	2.212E-07	0.0143018	0.1740534	0.040222	0.009389	0.00917819	2.46665
4796	486863.09	3861377.25	0.12772	0.0643	0.13979	0.13198	0.25967	0.15907	0.0608	0.0643	2.3577614	0.002735866	3.353E-07	0.0123	0.2154366	0.039592	0.009931	0.01007267	2.627684
4797	487363.09	3861377.25	0.12655	0.06895	0.16213	0.15845	0.16277	0.18126	0.0644	0.06895	2.33616274	0.002933716	3.888E-07	0.0147669	0.135043	0.045115	0.010504	0.0108011	2.533724
4798	487863.09	3861377.25	0.14953	0.08394	0.1126	0.19519	0.23391	0.15608	0.0674	0.08394	2.76038257	0.003571518	2.701E-07	0.0181909	0.1940647	0.038848	0.011008	0.0131493	3.012917
4799	488363.09	3861377.25	0.22015	0.08847	0.15007	0.24326	0.13743	0.21287	0.0812	0.08847	4.06405553	0.003764262	3.599E-07	0.0226708	0.1140195	0.052983	0.013256	0.01385893	4.25689
4800	488863.09	3861377.25	0.20341	0.09579	0.16595	0.4174	0.07245	0.21156	0.0955	0.09579	3.75502855	0.004075717	3.98E-07	0.0389	0.0601085	0.052657	0.015588	0.01500562	3.911352
4801	489363.09	3861377.25	0.21161	0.10102	0.12827	0.59104	0.17239	0.19715	0.1018	0.10102	3.90640377	0.004298245	3.076E-07	0.0550825	0.1430243	0.04907	0.016612	0.01582491	4.158666
4802	489863.09	3861377.25	0.18188	0.10761	0.13262	0.24366	0.30693	0.18923	0.1101	0.10761	3.35757629	0.00457864	3.181E-07	0.0227081	0.2546461	0.047099	0.017973	0.01685724	3.687724
4803	490363.09	3861377.25	0.1748	0.12149	0.11143	0.17059	0.2428	0.16775	0.1175	0.12149	3.2268767	0.005169212	2.672E-07	0.0158983	0.2014403	0.041752	0.019181	0.01903156	3.491287
4804	490863.09	3861377.25	0.15232	0.14672	0.20268	0.15536	0.33406	0.13857	0.1282	0.14672	2.81188707	0.00624271	4.861E-07	0.0144789	0.2771547	0.03449	0.020932	0.02298387	3.142202
4805	491363.09	3861377.25	0.1476	0.17352	0.17177	0.14931	0.1862	0.15155	0.1741	0.17352	2.72475401	0.007383008	4.12E-07	0.0139151	0.1544818	0.03772	0.028415	0.02718212	2.939487
4806	491863.09	3861377.25	0.15436	0.20974	0.1613	0.17953	0.20325	0.16187	0.2316	0.20974	2.84954627	0.008924114	3.869E-07	0.0167315	0.1686275	0.040289	0.0378	0.03285603	3.089063
4807	492363.09	3861377.25	0.155	0.33749	0.14656	0.18192	0.16656	0.16709	0.3405	0.33749	2.86136092	0.014359679	3.515E-07	0.0169542	0.1381874	0.041588	0.055574	0.05286822	3.075157
4808	492863.09	3861377.25	0.1595	0.78967	0.10649	0.17223	0.20268	0.17323	0.7958	0.78967	2.94443269	0.033599241	2.554E-07	0.0160511	0.1681545	0.043116	0.129894	0.12370277	3.211546
4809	493363.09	3861377.25	0.13301	1.05284	0.09219	0.23311	0.17328	0.19668	1.0062	1.05284	2.45541688	0.044796718	2.211E-07	0.0217249	0.1437627	0.048953	0.164246	0.16492867	2.713971
4810	493863.09	3861377.25	0.10079	0.47013	0.10689	0.17105	0.22305	0.13998	0.4617	0.47013	1.86062301	0.020003306	2.564E-07	0.0159412	0.1850546	0.034841	0.075358	0.07364644	2.118174
4811	494363.09	3861377.25	0.1089	0.32236	0.12087	0.15573	0.26164	0.16576	0.3199	0.32236	2.0103368	0.013715921	2.899E-07	0.0145134	0.217071	0.041257	0.052223	0.05049809	2.29862
4812	494863.09	3861377.25	0.10255	0.24431	0.13511	0.14469	0.17647	0.14128	0.2447	0.24431	1.89311331	0.010395014	3.24E-07	0.0134845	0.1464093	0.035164	0.03994	0.03827146	2.100236
4813	495363.09	3861377.25	0.10176	0.2071	0.1048	0.13444	0.14487	0.17791	0.207	0.2071	1.8785296	0.008811786	2.513E-07	0.0125293	0.1201922	0.044281	0.033793	0.03244247	2.065695
4814	495863.09	3861377.25	0.09189	0.17925	0.10763	0.11888	0.12737	0.16012	0.1796	0.17925	1.69632552	0.007626811	2.581E-07	0.0110791	0.1056732	0.039853	0.029314	0.02807973	1.861793
4815	496363.09	3861377.25	0.0931	0.14739	0.12319	0.10918	0.13303	0.16058	0.1425	0.14739	1.71866259	0.006271217	2.955E-07	0.0101751	0.1103691	0.039968	0.023267	0.02308882	1.885624
4816	496863.09	3861377.25	0.09653	0.10968	0.10994	0.10976	0.11899	0.15126	0.1048	0.10968	1.78198174	0.004666715	2.637E-07	0.0102292	0.0987207	0.037648	0.017113	0.01718151	1.933178
4817	497363.09	3861377.25	0.09487	0.09498	0.11128	0.10804	0.13205	0.14557	0.0912	0.09498	1.75133749	0.004041253	2.669E-07	0.0100689	0.109556	0.036232	0.014888	0.01487873	1.911245
4818	497863.09	3861377.25	0.09182	0.08358	0.09967	0.09977	0.15064	0.13096	0.0795	0.08358	1.69503329	0.0035562	2.39E-07	0.0092982	0.1249793	0.032595	0.012982	0.01309291	1.865351
4819	498363.09	3861377.25	0.0866	0.07572	0.09222	0.09639	0.16789	0.13024	0.073	0.07572	1.59867004	0.003221769	2.212E-07	0.0089831	0.1392908	0.032416	0.011921	0.01186163	1.782641
4820	471363.09	3861877.25	0.07054	0.02739	0.04052	0.05612	0.0988	0.05768	0.0244	0.02739	1.30219613	0.001165402	9.718E-08	0.0052302	0.0819699	0.014356	0.003989	0.00429068	1.404617
4821	471863.09	3861877.25	0.07299	0.02767	0.04482	0.05904	0.07564	0.05816	0.0249	0.02767	1.34742409	0.001177316	1.075E-07	0.0055023	0.0627551	0.014476	0.004064	0.00433454	1.431065
4822	472363.09	3861877.25	0.07399	0.02804	0.04997	0.05922	0.09225	0.05909	0.0255	0.02804	1.36588448	0.001193059	1.198E-07	0.0055191	0.0765357	0.014707	0.004162	0.0043925	1.46361
4823	472863.09	3861877.25	0.07469	0.02838	0.04569	0.05944	0.10616	0.06047	0.0262	0.02838	1.37880676	0.001207525	1.096E-07	0.0055396	0.0880762	0.015051	0.00428	0.00444576	1.488515
4824	473363.09	3861877.25	0.0758	0.02893	0.04139	0.06137	0.09133	0.06177	0.027	0.02893	1.39929779	0.001230927	9.927E-08	0.0057194	0.0757724	0.015374	0.004402	0.00453192	1.497265
4825	473863.09	3861877.25	0.07748	0.02995	0.04679	0.06033	0.08829	0.06256	0.0277	0.02995	1.43031125	0.001274326	1.122E-07	0.0056225	0.0732503	0.015571	0.004521	0.0046917	1.525859
4826	474363.09	3861877.25	0.07741	0.03054	0.04514	0.05995	0.08875	0.06359	0.0286	0.03054	1.42901903	0.00129943	1.083E-07	0.0055871	0.0736319	0.015827	0.004672	0.00478413	1.525252
4827	474863.09	3861877.25	0.07727	0.0311	0.04459	0.0564	0.09519	0.06403	0.0296	0.0311	1.42643457	0.001323257	1.069E-07	0.0052562	0.0789749	0.015937	0.004823	0.00487185	1.527877
4828	475363.09	3861877.25	0.07674	0.03181	0.05617	0.0577	0.11951	0.06567	0.0306	0.03181	1.41665056	0.001353466	1.347E-07	0.0053774	0.0991521	0.016345	0.004998	0.00498308	1.538894
4829	475863.09	3861877.25	0.07587	0.03268	0.05325	0.06001	0.14472	0.0709	0.0318	0.03268	1.40059002	0.001390484	1.277E-07	0.0055927	0.1200677	0.017647	0.005197	0.00511936	1.545366
4830	476363.09	3861877.25	0.07607	0.03331	0.05668	0.06647	0.17287	0.07284	0.0328	0.03331	1.4042821	0.001417289	1.359E-07	0.0061947	0.1434225	0.01813	0.005357	0.00521805	1.573586
4831	476863.09	3861877.25	0.07662	0.03325	0.06763	0.06721	0.16924	0.07418	0.0331	0.03325	1.41443532	0.001414736	1.622E-07	0.0062637	0.1404109	0.018463	0.0054	0.00520865	1.581179
4832	477363.09	3861877.25	0.09041	0.03238	0.0589	0.06343	0.16307	0.06976	0.0324	0.03238	1.66900414	0.001377719	1.413E-07	0.0059114	0.1352919	0.017363	0.005295	0.00507237	1.829171
4833	477863.09	3861877.25	0.08803	0.02313	0.03854	0.04368	0.18508	0.04994	0.0252	0.02313	1.6250684	0.000984146	9.243E-08	0.0040708	0.1535526	0.01243	0.004118	0.00362334	1.796601
4834	478363.09	3861877.25	0.05583	0.0164	0.02999	0.03001	0.11062	0.02982	0.0182	0.0164	1.03064374	0.000697795	7.193E-08	0.0027968	0.0917765	0.007422	0.002977	0.00256908	1.133745
4835	478863.09	3861877.25	0.09086	0.01935	0.03981	0.04018	0.10096	0.04338	0.0225	0.01935	1.67731131	0.000823313	9.548E-08	0.0037446	0.083762	0.010797	0.003669	0.0030312	1.777077
4836	479363.09	3861877.25	0.07874	0.01853	0.03336	0.04014	0.15441	0.04222	0.0214	0.01853	1.45357135	0.000788423	8.001E-08	0.0037409	0.1281071	0.010508	0.003498	0.00290275	1.597311
4837	479863.09	3861877.25	0.08632	0.03683	0.06499	0.0616	0.22068	0.07858	0.0374	0.03683	1.59350113	0.00156706	1.559E-07	0.0057409	0.1830883	0.019558	0.006098	0.00576946	1.803785
4838	480363.09	3861877.25	0.08596	0.04113	0.05948	0.06389	0.25624	0.09925	0.0416	0.04113	1.58685539	0.001750018	1.427E-07	0.0059543	0.2125909	0.024703	0.006794	0.00644306	1.832204
4839	480863.09	3861877.25	0.08996	0.04152	0.09669	0.07593	0.20084	0.10754	0.0419	0.04152	1.66069696	0.001766612	2.319E-07	0.0070764	0.166628	0.026766	0.006841	0.00650416	1.863271
4840	481363.09	3861877.25	0.08776	0.04163	0.0909	0.07933	0.28561	0.10701	0.0419	0.04163	1.62008409	0.001771292	2.18E-07	0.0073932	0.2369579	0.026634	0.006846	0.00652139	1.893166
4841	481863.09	3861877.25	0.08691	0.04168	0.08197	0.08383	0.26396	0.10774	0.042	0.04168	1.60439276	0.00177342	1.966E-07	0.0078126	0.2189958	0.026816	0.006854	0.00652922	1.860116

4842	482363.09	3861877.25	0.10114	0.04198	0.09873	0.08858	0.2407	0.11436	0.0423	0.04198	1.86708415	0.001786184	2.368E-07	0.0082553	0.199698	0.028464	0.006898	0.00657622	2.10561
4843	482863.09	3861877.25	0.10352	0.0421	0.12002	0.08584	0.17304	0.11326	0.0406	0.0421	1.91101989	0.00179129	2.878E-07	0.0079999	0.1435636	0.02819	0.006619	0.00659502	2.092589
4844	483363.09	3861877.25	0.10093	0.04283	0.10382	0.08547	0.1742	0.11532	0.0413	0.04283	1.86320747	0.00182235	2.49E-07	0.0079655	0.144526	0.028703	0.006748	0.00670937	2.046263
4845	483863.09	3861877.25	0.10587	0.04454	0.1265	0.10256	0.20388	0.1148	0.0445	0.04454	1.95440181	0.001895108	3.034E-07	0.0095582	0.1691501	0.028573	0.007259	0.00697725	2.16386
4846	484363.09	3861877.25	0.109	0.04778	0.09647	0.11353	0.21129	0.11209	0.0467	0.04778	2.01218284	0.002032965	2.314E-07	0.0105805	0.1752979	0.027899	0.007626	0.0074848	2.228135
4847	484863.09	3861877.25	0.10223	0.05133	0.12399	0.12224	0.32218	0.11103	0.0506	0.05133	1.88720598	0.002184012	2.974E-07	0.0113923	0.2672984	0.027635	0.008253	0.00804091	2.195928
4848	485363.09	3861877.25	0.10395	0.05131	0.11987	0.12641	0.28181	0.11656	0.0506	0.05131	1.91895786	0.002183161	2.875E-07	0.0117809	0.2338052	0.029011	0.008258	0.00803777	2.195959
4849	485863.09	3861877.25	0.10188	0.05335	0.10555	0.11564	0.22709	0.12987	0.0529	0.05335	1.88074484	0.00226996	2.531E-07	0.0107772	0.1884064	0.032324	0.00864	0.00835734	2.114805
4850	486363.09	3861877.25	0.10229	0.05625	0.11702	0.11467	0.12292	0.13383	0.0557	0.05625	1.8883136	0.002393351	2.807E-07	0.0106868	0.1019812	0.03331	0.009095	0.00881163	2.036969
4851	486863.09	3861877.25	0.09806	0.05648	0.16118	0.13643	0.18532	0.11934	0.0563	0.05648	1.81022614	0.002403137	3.866E-07	0.0127147	0.1537517	0.029703	0.009191	0.00884766	2.009143
4852	487363.09	3861877.25	0.1019	0.06078	0.11861	0.15265	0.15197	0.13372	0.0605	0.06078	1.88111405	0.002586095	2.845E-07	0.0142263	0.1260827	0.033282	0.009869	0.00952126	2.05764
4853	487863.09	3861877.25	0.12644	0.06476	0.10759	0.16286	0.18994	0.11928	0.0647	0.06476	2.3341321	0.002755438	2.58E-07	0.0151779	0.1575847	0.029688	0.010554	0.01014473	2.539748
4854	488363.09	3861877.25	0.13177	0.07187	0.17684	0.21857	0.13953	0.15039	0.0677	0.07187	2.43252599	0.003057958	4.241E-07	0.0203698	0.1157618	0.037432	0.011055	0.01125852	2.608945
4855	488863.09	3861877.25	0.15193	0.0761	0.10912	0.37593	0.04436	0.17365	0.0745	0.0761	2.80468752	0.003237938	2.617E-07	0.0350351	0.0368035	0.043221	0.012161	0.01192116	2.923225
4856	489363.09	3861877.25	0.15693	0.07905	0.09519	0.54746	0.06383	0.16625	0.0792	0.07905	2.89698948	0.003363456	2.283E-07	0.051021	0.0529569	0.041379	0.012933	0.01238328	3.046259
4857	489863.09	3861877.25	0.17669	0.08655	0.09248	0.2369	0.17284	0.13391	0.0866	0.08655	3.26176685	0.003682569	2.218E-07	0.0220781	0.1433976	0.03333	0.014142	0.01355816	3.464839
4858	490363.09	3861877.25	0.15244	0.10041	0.07047	0.16034	0.27321	0.11135	0.1011	0.10041	2.81410232	0.004272291	1.69E-07	0.014943	0.2266701	0.027715	0.016494	0.01572935	3.088467
4859	490863.09	3861877.25	0.14024	0.11028	0.12397	0.13406	0.22643	0.12708	0.111	0.11028	2.58888552	0.004692244	2.973E-07	0.0124938	0.1878589	0.03163	0.018118	0.0172755	2.826403
4860	491363.09	3861877.25	0.13423	0.13404	0.1088	0.12764	0.25748	0.13571	0.1329	0.13404	2.47793856	0.005703195	2.609E-07	0.0118955	0.2136197	0.033778	0.02169	0.02099753	2.743627
4861	491863.09	3861877.25	0.12669	0.15731	0.13584	0.11678	0.13955	0.11659	0.1556	0.15731	2.33874719	0.006693298	3.258E-07	0.0108834	0.1157784	0.029019	0.0254	0.0246428	2.501879
4862	492363.09	3861877.25	0.13291	0.18199	0.09808	0.14199	0.16322	0.12115	0.1896	0.18199	2.45357084	0.007743394	2.352E-07	0.0132329	0.1354163	0.030154	0.03094	0.02850896	2.642549
4863	492863.09	3861877.25	0.13457	0.21286	0.13082	0.14658	0.14493	0.13663	0.215	0.21286	2.48421509	0.009056865	3.138E-07	0.0136606	0.120242	0.034007	0.035097	0.03334478	2.662934
4864	493363.09	3861877.25	0.13506	0.29767	0.09661	0.13453	0.20087	0.11774	0.3016	0.29767	2.49326068	0.012665399	2.317E-07	0.0125376	0.1666529	0.029305	0.049231	0.04663037	2.717023
4865	493863.09	3861877.25	0.11995	0.39438	0.07798	0.1348	0.144	0.12917	0.3997	0.39438	2.21432415	0.016780261	1.87E-07	0.0125628	0.1194704	0.03215	0.065236	0.06178011	2.398744
4866	494363.09	3861877.25	0.09566	0.54285	0.0756	0.1698	0.13755	0.12535	0.5187	0.54285	1.7659212	0.02309743	1.813E-07	0.0158247	0.1141191	0.031199	0.08467	0.08503811	1.949794
4867	494863.09	3861877.25	0.09445	1.24478	0.08957	0.12413	0.22743	0.10207	1.288	1.24478	1.74358412	0.052963469	2.148E-07	0.0115684	0.1886885	0.025405	0.21023	0.1949963	2.037444
4868	495363.09	3861877.25	0.08974	0.8223	0.08922	0.10201	0.193	0.11632	0.8176	0.8223	1.65663567	0.034987597	2.14E-07	0.0095069	0.1601235	0.028952	0.133456	0.1288143	1.894847
4869	495863.09	3861877.25	0.08739	0.44413	0.09891	0.1233	0.13957	0.10328	0.4487	0.44413	1.61325375	0.018897046	2.372E-07	0.011491	0.115795	0.025706	0.073239	0.06957351	1.788809
4870	496363.09	3861877.25	0.0883	0.29362	0.09006	0.10917	0.12582	0.11498	0.2978	0.29362	1.63005271	0.012493078	2.16E-07	0.0101742	0.1043872	0.028618	0.048603	0.04599593	1.788333
4871	496863.09	3861877.25	0.08722	0.11952	0.09693	0.11471	0.11556	0.13859	0.1135	0.11952	1.61011548	0.005085392	2.325E-07	0.0106905	0.095875	0.034495	0.018525	0.01872295	1.756063
4872	497363.09	3861877.25	0.08147	0.1765	0.0855	0.0961	0.11489	0.11743	0.1765	0.1765	1.50396822	0.007509803	2.051E-07	0.0089561	0.0953191	0.029228	0.028811	0.02764894	1.646144
4873	497863.09	3861877.25	0.08105	0.1697	0.09808	0.08922	0.107	0.1248	0.1713	0.1697	1.49621486	0.007220473	2.352E-07	0.0083149	0.0887731	0.031062	0.027963	0.02658371	1.632965
4874	498363.09	3861877.25	0.0816	0.15534	0.09314	0.08601	0.10169	0.11243	0.1568	0.15534	1.50636807	0.006609477	2.234E-07	0.0080158	0.0843677	0.027983	0.025591	0.0243342	1.634601
4875	471363.09	3862377.25	0.06858	0.02643	0.04342	0.05194	0.0921	0.0555	0.0245	0.02643	1.26601375	0.001124556	1.041E-07	0.0048406	0.0764113	0.013814	0.004004	0.00414029	1.362068
4876	471863.09	3862377.25	0.06858	0.02689	0.03436	0.0521	0.0736	0.05623	0.0252	0.02689	1.26601375	0.001144128	8.241E-08	0.0048555	0.0610626	0.013995	0.004117	0.00421235	1.346976
4877	472363.09	3862377.25	0.06809	0.02743	0.03658	0.05116	0.07594	0.05727	0.026	0.02743	1.25696816	0.001167104	8.773E-08	0.0047679	0.063004	0.014254	0.00425	0.00429694	1.340115
4878	472863.09	3862377.25	0.06757	0.02798	0.03905	0.05038	0.07184	0.05829	0.0269	0.02798	1.24736876	0.001190506	9.366E-08	0.0046952	0.0596024	0.014508	0.004384	0.0043831	1.327366
4879	473363.09	3862377.25	0.06698	0.02839	0.04045	0.05499	0.08395	0.05853	0.0277	0.02839	1.23647713	0.001207951	9.701E-08	0.0051248	0.0696496	0.014568	0.004525	0.00444733	1.327105
4880	473863.09	3862377.25	0.06629	0.02858	0.04287	0.0525	0.10148	0.05848	0.0285	0.02858	1.22373945	0.001216035	1.028E-07	0.0048928	0.0841934	0.014555	0.004644	0.00447709	1.328764
4881	474363.09	3862377.25	0.06816	0.02948	0.05109	0.05524	0.11299	0.06266	0.0294	0.02948	1.25826039	0.001254329	1.225E-07	0.0051481	0.0937428	0.015596	0.004799	0.00461808	1.374182
4882	474863.09	3862377.25	0.06864	0.03046	0.05183	0.05887	0.14501	0.06392	0.0304	0.03046	1.26712138	0.001296026	1.243E-07	0.0054864	0.1203083	0.015909	0.004957	0.0047716	1.410307
4883	475363.09	3862377.25	0.06997	0.03127	0.06607	0.06039	0.15554	0.06929	0.0313	0.03127	1.2916737	0.00133049	1.585E-07	0.0056281	0.1290446	0.017246	0.005112	0.00489848	1.445137
4884	475863.09	3862377.25	0.07	0.03199	0.07605	0.05836	0.15726	0.07264	0.0322	0.03199	1.29222751	0.001361125	1.824E-07	0.0054389	0.1304716	0.01808	0.005248	0.00501127	1.447816
4885	476363.09	3862377.25	0.06986	0.03266	0.06876	0.05245	0.15007	0.07468	0.033	0.03266	1.28964306	0.001389633	1.649E-07	0.0048881	0.1245064	0.018588	0.005378	0.00511623	1.439277
4886	476863.09	3862377.25	0.07796	0.03307	0.05141	0.0525	0.16773	0.07618	0.0335	0.03307	1.43917224	0.001407077	1.233E-07	0.0048928	0.1391581	0.018961	0.005462	0.00518046	1.603872
4887	477363.09	3862377.25	0.07959	0.0324	0.06003	0.05346	0.16819	0.0743	0.0328	0.0324	1.46926268	0.00137857	1.44E-07	0.0049823	0.1395397	0.018493	0.00536	0.0050755	1.633941
4888	477863.09	3862377.25	0.08816	0.02693	0.03595	0.04715	0.10488	0.06153	0.0265	0.02693	1.62746825	0.00114583	8.622E-08	0.0043942	0.0870143	0.015315	0.004319	0.00421862	1.735438
4889	478363.09	3862377.25	0.08961	0.02156	0.03687	0.03995	0.15185	0.04964	0.0244	0.02156	1.65423582	0.000917345	8.843E-08	0.0037232	0.1259832	0.012355	0.003989	0.0033774	1.797827
4890	478863.09	3862377.25	0.08425	0.02245	0.03579	0.04014	0.14975	0.05108	0.0251	0.02245	1.55528811	0.000955213	8.584E-08	0.0037409	0.1242409	0.012714	0.004097	0.00351682	1.697519
4891	479363.09	3862377.25	0.08299	0.02508	0.0414	0.04933	0.24389	0.05816	0.0272	0.02508	1.53202802	0.001067115	9.929E-08	0.0045974	0.2023446	0.014476	0.00444	0.00392881	1.755024
4892	479863.09	3862377.25	0.08027	0.03382	0.05867	0.05835	0.19129	0.08435	0.0331	0.03382	1.48181575	0.001438989	1.407E-07	0.005438	0.1587048	0.020994	0.005405	0.00529794	1.668499
4893	480363.09	3862377.25	0.07612	0.03797	0.08035	0.07204	0.20253	0.09141	0.0369	0.03797	1.40520512	0.001615565	1.927E-07	0.0067138	0.1680301	0.022752	0.006017	0.00594805	1.604385
4894	480863.09	3862377.25	0.08049	0.03913	0.08131	0.07423	0.25014	0.08868	0.0387	0.03913	1.48587704	0.001664921	1.95E-07	0.0069179	0.20753	0.022072	0.00631	0.00612976	1.724243
4895	481363.09	3862377.25	0.08268	0.04132	0.08253	0.07401	0.23069	0.09255	0.0402	0.04132	1.5263053	0.001758102	1.979E-07	0.0068974	0.1913932	0.023035	0.006557	0.00647283	1.749474
4896	481863.09	3862377.25	0.08795	0.04265	0.06881	0.0736	0.20087	0.08848	0.0418	0.04265	1.62359157	0.001814692	1.65E-07	0.0068592	0.1666529	0.022022	0.006826	0.00668117	1.821086
4897	482363.09	3862377.25	0.09172	0.04418	0.10153	0.06947	0.14482	0.09795	0.0434	0.04418	1.69318725	0.001879791	2.435E-07	0.0064743	0.1201507	0.024379	0.007086	0.00692085	1.846237
4898	482863.09	3862377.25	0.09147	0.04544	0.09512	0.08312	0.14537	0.09719	0.0433	0.04544	1.68857215	0.001933402	2.281E-07	0.0077464	0.120607	0.02419	0.007073	0.00711823	1.843004

4899	483363.09	3862377.25	0.0982	0.04777	0.07697	0.09566	0.18644	0.10208	0.0445	0.04777	1.8128106	0.00203254	1.846E-07	0.0089151	0.1546809	0.025407	0.007265	0.00748323	2.003629
4900	483863.09	3862377.25	0.09092	0.04708	0.08658	0.0977	0.17322	0.09306	0.0472	0.04708	1.67841894	0.002003181	2.076E-07	0.0091052	0.1437129	0.023162	0.007696	0.00737514	1.856724
4901	484363.09	3862377.25	0.08774	0.04808	0.09364	0.11155	0.21737	0.08687	0.048	0.04808	1.61971489	0.00204573	2.246E-07	0.010396	0.1803422	0.021622	0.00784	0.00753179	1.834429
4902	484863.09	3862377.25	0.08663	0.04969	0.11216	0.1124	0.27164	0.09051	0.0491	0.04969	1.59922385	0.002114233	2.69E-07	0.0104752	0.2253676	0.022528	0.008011	0.007784	1.859936
4903	485363.09	3862377.25	0.09353	0.05074	0.09612	0.10311	0.19759	0.09964	0.0503	0.05074	1.72660056	0.002158909	2.305E-07	0.0096094	0.1639316	0.0248	0.008214	0.00794848	1.927366
4904	485863.09	3862377.25	0.0858	0.05175	0.11254	0.10246	0.18156	0.10221	0.0516	0.05175	1.58390172	0.002201883	2.699E-07	0.0095488	0.1506322	0.02544	0.008421	0.0081067	1.772039
4905	486363.09	3862377.25	0.07828	0.05468	0.10379	0.11089	0.06433	0.09545	0.0547	0.05468	1.44507957	0.00232655	2.489E-07	0.0103345	0.0533717	0.023757	0.00892	0.00856569	1.535225
4906	486863.09	3862377.25	0.08298	0.05988	0.09698	0.11026	0.12933	0.10473	0.0602	0.05988	1.53184341	0.002547802	2.326E-07	0.0102758	0.1072993	0.026067	0.009833	0.00938027	1.678486
4907	487363.09	3862377.25	0.09012	0.06347	0.09707	0.12519	0.14256	0.11811	0.0638	0.06347	1.66365062	0.002700551	2.328E-07	0.0116672	0.1182757	0.029397	0.010421	0.00994265	1.826169
4908	487863.09	3862377.25	0.10953	0.06892	0.13349	0.1641	0.15643	0.10839	0.0667	0.06892	2.02196685	0.00293244	3.202E-07	0.0152934	0.129783	0.026978	0.010879	0.0107964	2.197037
4909	488363.09	3862377.25	0.09179	0.07237	0.11053	0.20684	0.10364	0.10059	0.0724	0.07237	1.69447948	0.003079232	2.651E-07	0.0192766	0.0859855	0.025037	0.01181	0.01133685	1.82833
4910	488863.09	3862377.25	0.13249	0.07901	0.05831	0.40133	0.04503	0.14311	0.0757	0.07901	2.44581747	0.003361754	1.398E-07	0.0374023	0.0373594	0.03562	0.012348	0.01237701	2.559532
4911	489363.09	3862377.25	0.1328	0.08216	0.09926	0.56419	0.07121	0.12509	0.0806	0.08216	2.4515402	0.003495781	2.381E-07	0.0525802	0.0590798	0.031134	0.013163	0.01287046	2.598123
4912	489863.09	3862377.25	0.14681	0.08665	0.07744	0.2365	0.12755	0.1222	0.0911	0.08665	2.7101703	0.003686824	1.857E-07	0.0220408	0.1058225	0.030415	0.014877	0.01357383	2.873439
4913	490363.09	3862377.25	0.15166	0.09237	0.05917	0.16437	0.23892	0.11796	0.0934	0.09237	2.79970321	0.003930201	1.419E-07	0.0153186	0.1982213	0.02936	0.015247	0.01446987	3.047311
4914	490863.09	3862377.25	0.13204	0.09775	0.06855	0.13078	0.18017	0.10119	0.0983	0.09775	2.4375103	0.004159112	1.644E-07	0.0121882	0.149479	0.025186	0.016045	0.01531266	2.629255
4915	491363.09	3862377.25	0.12517	0.1069	0.10878	0.11905	0.21514	0.11325	0.1074	0.1069	2.3106874	0.00454843	2.609E-07	0.011095	0.1784921	0.028188	0.017536	0.01674602	2.5338
4916	491863.09	3862377.25	0.12164	0.11648	0.09037	0.10736	0.23988	0.10063	0.1154	0.11648	2.24552221	0.004956044	2.167E-07	0.0100055	0.1990177	0.025046	0.018837	0.01824673	2.485138
4917	492363.09	3862377.25	0.11285	0.13245	0.11756	0.10475	0.12074	0.09437	0.1266	0.13245	2.08325536	0.005635543	2.819E-07	0.0097623	0.1001726	0.023488	0.020658	0.02074845	2.222224
4918	492863.09	3862377.25	0.11768	0.14284	0.08395	0.11779	0.14177	0.11096	0.1443	0.14284	2.17241905	0.006077622	2.013E-07	0.0109775	0.1176202	0.027618	0.023556	0.02237606	2.335892
4919	493363.09	3862377.25	0.12432	0.15328	0.1069	0.11481	0.13805	0.09853	0.1587	0.15328	2.29499606	0.006521828	2.564E-07	0.0106998	0.1145339	0.024524	0.025898	0.0240115	2.453162
4920	493863.09	3862377.25	0.12577	0.18528	0.09634	0.1011	0.1732	0.09588	0.18	0.18528	2.32176363	0.007883378	2.311E-07	0.0094221	0.1436963	0.023864	0.029375	0.02902434	2.50698
4921	494363.09	3862377.25	0.11827	0.21309	0.06862	0.09858	0.14339	0.10437	0.2122	0.21309	2.18331069	0.009066651	1.646E-07	0.0091872	0.1189643	0.025977	0.034637	0.03338081	2.347763
4922	494863.09	3862377.25	0.09112	0.27719	0.06606	0.13172	0.13695	0.11538	0.2668	0.27719	1.68211101	0.011794007	1.584E-07	0.0122758	0.1136213	0.028718	0.043553	0.04342215	1.84865
4923	495363.09	3862377.25	0.08108	0.29383	0.06962	0.12027	0.15933	0.09494	0.2896	0.29383	1.49676867	0.012502013	1.67E-07	0.0112087	0.132189	0.02363	0.047274	0.04602883	1.677544
4924	495863.09	3862377.25	0.08906	0.35779	0.07128	0.09146	0.19955	0.08029	0.3608	0.35779	1.6440826	0.015223413	1.71E-07	0.0085237	0.1655577	0.019984	0.058895	0.05604824	1.856218
4925	496363.09	3862377.25	0.08464	0.51801	0.07713	0.0757	0.15125	0.0866	0.5224	0.51801	1.56248767	0.022040527	1.85E-07	0.0070549	0.1254854	0.021554	0.085274	0.0811469	1.74275
4926	496863.09	3862377.25	0.07927	2.42466	0.07845	0.09652	0.12365	0.08953	2.4194	2.42466	1.46335536	0.103165543	1.881E-07	0.0089953	0.1025869	0.022284	0.394915	0.37982594	1.715476
4927	497363.09	3862377.25	0.07372	1.04358	0.08075	0.09289	0.10986	0.07875	1.0541	1.04358	1.36090018	0.044402719	1.937E-07	0.008657	0.0911459	0.019601	0.172066	0.16347808	1.533294
4928	497863.09	3862377.25	0.06512	2.76858	0.07046	0.07311	0.08119	0.09667	2.879	2.76858	1.2021408	0.117798809	1.69E-07	0.0068135	0.0673597	0.024061	0.469942	0.43370143	1.454414
4929	498363.09	3862377.25	0.06913	0.68878	0.06465	0.06653	0.08147	0.0981	0.6908	0.68878	1.27616697	0.029306527	1.551E-07	0.0062003	0.067592	0.024417	0.112757	0.10789823	1.408541
4930	471363.09	3862877.25	0.05957	0.02657	0.03332	0.04875	0.05912	0.04729	0.0258	0.02657	1.09968561	0.001130513	7.991E-08	0.0045433	0.0490492	0.01177	0.004205	0.00416222	1.166222
4931	471863.09	3862877.25	0.05873	0.02716	0.03033	0.04626	0.07489	0.04889	0.0265	0.02716	1.08417888	0.001155616	7.274E-08	0.0043112	0.0621329	0.012169	0.004326	0.00425465	1.164018
4932	472363.09	3862877.25	0.0577	0.02771	0.03685	0.04714	0.07928	0.05218	0.0274	0.02771	1.06516468	0.001179018	8.838E-08	0.0043933	0.0657751	0.012987	0.004466	0.00434081	1.149625
4933	472863.09	3862877.25	0.05802	0.02799	0.04122	0.05022	0.09281	0.05568	0.0277	0.02799	1.071072	0.001190931	9.886E-08	0.0046803	0.0770003	0.013859	0.004523	0.00438467	1.167941
4934	473363.09	3862877.25	0.05909	0.02818	0.04528	0.05095	0.11904	0.05933	0.0279	0.02818	1.09082462	0.001199016	1.086E-07	0.0047483	0.0987622	0.014767	0.004561	0.00441443	1.210447
4935	473863.09	3862877.25	0.06172	0.0284	0.04798	0.05131	0.12926	0.0628	0.0283	0.0284	1.13937546	0.001208376	1.151E-07	0.0047819	0.1072413	0.015631	0.004623	0.00444889	1.268412
4936	474363.09	3862877.25	0.06437	0.02957	0.05211	0.05022	0.14752	0.06688	0.0296	0.02957	1.1882955	0.001258158	1.25E-07	0.0046803	0.1223908	0.016646	0.004835	0.00463218	1.333474
4937	474863.09	3862877.25	0.06542	0.03109	0.04286	0.04768	0.14753	0.06822	0.0309	0.03109	1.20767891	0.001322832	1.028E-07	0.0044436	0.1223991	0.01698	0.005044	0.00487029	1.352998
4938	475363.09	3862877.25	0.0651	0.03219	0.05554	0.04753	0.1358	0.06814	0.0321	0.03219	1.20177159	0.001369635	1.332E-07	0.0044296	0.1126672	0.01696	0.005243	0.0050426	1.337398
4939	475863.09	3862877.25	0.06526	0.03294	0.05645	0.04905	0.14498	0.06747	0.0331	0.03294	1.20472525	0.001401546	1.354E-07	0.0045713	0.1202834	0.016793	0.0054	0.00516009	1.348014
4940	476363.09	3862877.25	0.06651	0.03341	0.06464	0.04901	0.14057	0.06842	0.0336	0.03341	1.22780074	0.001421544	1.55E-07	0.0045675	0.1166247	0.01703	0.005486	0.00523372	1.367697
4941	476863.09	3862877.25	0.06962	0.03335	0.05817	0.04793	0.12866	0.07111	0.0335	0.03335	1.28521256	0.001418991	1.395E-07	0.0044669	0.1067435	0.017699	0.00546	0.00522432	1.415777
4942	477363.09	3862877.25	0.07274	0.0333	0.04848	0.04607	0.1213	0.0725	0.0328	0.0333	1.34280899	0.001416864	1.163E-07	0.0042935	0.1006372	0.018045	0.005357	0.00521649	1.467342
4943	477863.09	3862877.25	0.07922	0.03103	0.0581	0.04657	0.14671	0.06672	0.0303	0.03103	1.46243234	0.001320279	1.393E-07	0.0043401	0.1217187	0.016606	0.004949	0.00486089	1.606506
4944	478363.09	3862877.25	0.08128	0.02582	0.04909	0.04538	0.16396	0.05235	0.0273	0.02582	1.50046075	0.001098601	1.177E-07	0.0042292	0.1360303	0.01303	0.004463	0.00404473	1.655267
4945	478863.09	3862877.25	0.07656	0.02598	0.0467	0.04962	0.20052	0.05618	0.0277	0.02598	1.41332769	0.001105409	1.12E-07	0.0046244	0.1663625	0.013983	0.004525	0.0040698	1.599858
4946	479363.09	3862877.25	0.07822	0.02688	0.05062	0.05638	0.16784	0.06187	0.0286	0.02688	1.44397194	0.001143703	1.214E-07	0.0052544	0.1392494	0.015399	0.00466	0.00421078	1.605468
4947	479863.09	3862877.25	0.07514	0.0375	0.06298	0.07027	0.20419	0.07585	0.0366	0.0375	1.38711393	0.001595567	1.51E-07	0.0065489	0.1694073	0.018879	0.005976	0.00587442	1.583646
4948	480363.09	3862877.25	0.07609	0.03907	0.08414	0.06319	0.22234	0.07909	0.0393	0.03907	1.40465131	0.001662368	2.018E-07	0.005889	0.1844656	0.019685	0.006421	0.00612036	1.616655
4949	480863.09	3862877.25	0.07464	0.04008	0.08446	0.06134	0.20651	0.08013	0.0399	0.04008	1.37788374	0.001705342	2.026E-07	0.0057166	0.1713321	0.019944	0.006511	0.00627858	1.576815
4950	481363.09	3862877.25	0.07809	0.0416	0.06692	0.06492	0.16913	0.07844	0.0406	0.0416	1.44157209	0.001770016	1.605E-07	0.0060503	0.1403196	0.019523	0.006624	0.00651669	1.609343
4951	481863.09	3862877.25	0.08439	0.0412	0.09026	0.06807	0.13498	0.08754	0.0407	0.0412	1.55787257	0.001752996	2.165E-07	0.0063438	0.1119869	0.021788	0.006648	0.00645403	1.699939
4952	482363.09	3862877.25	0.08178	0.04357	0.10063	0.08259	0.12545	0.08575	0.0423	0.04357	1.50969094	0.001853836	2.413E-07	0.007697	0.1040803	0.021343	0.006901	0.00682529	1.644741
4953	482863.09	3862877.25	0.08148	0.04417	0.07011	0.08793	0.16991	0.08603	0.043	0.04417	1.50415283	0.001879365	1.681E-07	0.0081947	0.1409667	0.021413	0.007011	0.00691928	1.676698
4954	483363.09	3862877.25	0.0815	0.04535	0.06502	0.0927	0.1346	0.0763	0.0439	0.04535	1.50452203	0.001929573	1.559E-07	0.0086393	0.1116716	0.018991	0.007158	0.00710413	1.645807
4955	483863.09	3862877.25	0.07975	0.04576	0.09094	0.10523	0.17763	0.07574	0.0453	0.04576	1.47221635	0.001947017	2.181E-07	0.009807	0.1473717	0.018851	0.007393	0.00716836	1.650418

4956	484363.09	3862877.25	0.08058	0.04788	0.10387	0.09687	0.2709	0.07777	0.0474	0.04788	1.48753847	0.00203722	2.491E-07	0.0090279	0.2247536	0.019357	0.007734	0.00750046	1.742947
4957	484863.09	3862877.25	0.07923	0.0521	0.09053	0.09331	0.23224	0.08658	0.0521	0.0521	1.46261694	0.002216775	2.171E-07	0.0086961	0.1926792	0.021549	0.008507	0.00816153	1.688105
4958	485363.09	3862877.25	0.07615	0.05439	0.0873	0.08985	0.18113	0.09013	0.0547	0.05439	1.40575893	0.002314211	2.094E-07	0.0083736	0.1502755	0.022433	0.008922	0.00852026	1.589557
4959	485863.09	3862877.25	0.06702	0.05688	0.10077	0.09561	0.12525	0.07746	0.057	0.05688	1.23721554	0.002420156	2.417E-07	0.0089105	0.1039143	0.01928	0.009309	0.00891032	1.372139
4960	486363.09	3862877.25	0.06856	0.0589	0.07626	0.10092	0.07337	0.08661	0.0592	0.0589	1.26564455	0.002506104	1.829E-07	0.0094053	0.0608718	0.021557	0.009665	0.00922676	1.360423
4961	486863.09	3862877.25	0.07293	0.0617	0.10105	0.10655	0.10395	0.09231	0.0621	0.0617	1.34631646	0.00262524	2.424E-07	0.00993	0.0862427	0.022976	0.010128	0.00966538	1.468553
4962	487363.09	3862877.25	0.07376	0.06402	0.08165	0.12329	0.14012	0.09613	0.0644	0.06402	1.36163859	0.002723952	1.958E-07	0.0114901	0.1162513	0.023926	0.010512	0.01002881	1.516514
4963	487863.09	3862877.25	0.09081	0.06646	0.10409	0.15725	0.13025	0.07848	0.0669	0.06646	1.67638829	0.00282777	2.496E-07	0.014655	0.1080626	0.019533	0.010918	0.01041104	1.821975
4964	488363.09	3862877.25	0.08518	0.0714	0.11398	0.18411	0.068	0.07265	0.0696	0.0714	1.57245628	0.00303796	2.734E-07	0.0171583	0.0564166	0.018082	0.011359	0.0111849	1.667326
4965	488863.09	3862877.25	0.09241	0.07259	0.0613	0.36769	0.05507	0.09155	0.0726	0.07259	1.70592492	0.003088593	1.47E-07	0.0342672	0.0456891	0.022786	0.011844	0.01137131	1.812229
4966	489363.09	3862877.25	0.12075	0.07608	0.07081	0.57752	0.05853	0.10972	0.0759	0.07608	2.22909246	0.003237087	1.698E-07	0.0538225	0.0485597	0.027309	0.012389	0.01191802	2.362492
4967	489863.09	3862877.25	0.11573	0.07873	0.08654	0.23453	0.06104	0.11898	0.0792	0.07873	2.13642129	0.00334984	2.076E-07	0.0218572	0.0506422	0.029614	0.012923	0.01233315	2.242474
4968	490363.09	3862877.25	0.13084	0.08196	0.04974	0.16193	0.12667	0.10815	0.0825	0.08196	2.41535783	0.003487272	1.193E-07	0.0150912	0.1050924	0.026918	0.013458	0.01283913	2.566566
4969	490863.09	3862877.25	0.12711	0.08569	0.05418	0.12734	0.23897	0.09885	0.0862	0.08569	2.34650056	0.003645977	1.299E-07	0.0118676	0.1982627	0.024603	0.014075	0.01342344	2.585532
4970	491363.09	3862877.25	0.11529	0.08855	0.07004	0.10871	0.15513	0.09006	0.0891	0.08855	2.12829871	0.003767666	1.68E-07	0.0101313	0.1287044	0.022416	0.014549	0.01387147	2.293995
4971	491863.09	3862877.25	0.1112	0.0937	0.08132	0.09412	0.23118	0.09221	0.0942	0.0937	2.05279571	0.00398679	1.95E-07	0.0087716	0.1917997	0.022951	0.015383	0.01467822	2.281009
4972	492363.09	3862877.25	0.10091	0.10377	0.07664	0.09725	0.19052	0.09446	0.099	0.10377	1.86283826	0.004415253	1.838E-07	0.0090633	0.1580659	0.023511	0.016155	0.0162557	2.057793
4973	492863.09	3862877.25	0.1022	0.11355	0.10233	0.09697	0.10396	0.08092	0.1133	0.11355	1.88665217	0.004831377	2.454E-07	0.0090372	0.086251	0.020141	0.018497	0.01778775	2.007622
4974	493363.09	3862877.25	0.1035	0.12866	0.0739	0.10005	0.11924	0.07674	0.1295	0.12866	1.91065068	0.005474285	1.772E-07	0.0093242	0.0989281	0.0191	0.02114	0.02015475	2.044463
4975	493863.09	3862877.25	0.11523	0.13632	0.09625	0.0951	0.13465	0.08875	0.1456	0.13632	2.12719109	0.005800206	2.308E-07	0.0088629	0.1117131	0.02209	0.02376	0.02135469	2.278062
4976	494363.09	3862877.25	0.11904	0.16665	0.07918	0.09294	0.14202	0.08472	0.1729	0.16665	2.19752519	0.0070907	1.899E-07	0.0086616	0.1178277	0.021087	0.028229	0.02610593	2.354315
4977	494863.09	3862877.25	0.11501	0.17585	0.07123	0.08888	0.10307	0.08796	0.1633	0.17585	2.1231298	0.007482146	1.708E-07	0.0082832	0.0855126	0.021893	0.026654	0.02754712	2.245407
4978	495363.09	3862877.25	0.09798	0.20395	0.05908	0.09276	0.11667	0.10027	0.2061	0.20395	1.80874931	0.008677758	1.417E-07	0.0086448	0.0967959	0.024957	0.033641	0.03194902	1.949517
4979	495863.09	3862877.25	0.08584	0.19484	0.05383	0.11197	0.1092	0.09491	0.1993	0.19484	1.58464014	0.008290141	1.291E-07	0.0104351	0.0905984	0.023623	0.032531	0.03052192	1.719596
4980	496363.09	3862877.25	0.07132	0.21816	0.0636	0.09819	0.17846	0.07808	0.222	0.21816	1.31659523	0.009282372	1.525E-07	0.0091509	0.1480603	0.019434	0.03623	0.03417503	1.504578
4981	496863.09	3862877.25	0.07922	0.19854	0.06505	0.07652	0.1528	0.0681	0.2088	0.19854	1.46243234	0.008447571	1.56E-07	0.0071313	0.1267713	0.01695	0.034077	0.03110153	1.624708
4982	497363.09	3862877.25	0.08067	0.22767	0.06166	0.06646	0.1309	0.06864	0.2232	0.22767	1.48919991	0.009687007	1.479E-07	0.0061938	0.1086019	0.017084	0.036429	0.03566478	1.631532
4983	497863.09	3862877.25	0.07328	0.23601	0.07084	0.06739	0.11485	0.07649	0.2433	0.23601	1.3527776	0.010041861	1.699E-07	0.0062805	0.0952859	0.019038	0.039705	0.03697125	1.486158
4984	498363.09	3862877.25	0.06909	0.29559	0.06514	0.079	0.09709	0.06211	0.2966	0.29559	1.27542856	0.012576899	1.562E-07	0.0073625	0.0805512	0.015459	0.04841	0.04630453	1.393484
4985	471363.09	3863377.25	0.05219	0.02674	0.03436	0.04595	0.08456	0.04995	0.0266	0.02674	0.96344791	0.001137746	8.241E-08	0.0042823	0.0701557	0.012432	0.004348	0.00418885	1.051616
4986	471863.09	3863377.25	0.05363	0.02716	0.03829	0.04614	0.09249	0.05341	0.027	0.02716	0.99003088	0.001155616	9.183E-08	0.0043001	0.0767348	0.013294	0.004402	0.00425465	1.085663
4987	472363.09	3863377.25	0.05502	0.0274	0.04073	0.04535	0.12321	0.05693	0.0275	0.0274	1.01569083	0.001165828	9.768E-08	0.0042264	0.1022218	0.01417	0.004486	0.00429224	1.137668
4988	472863.09	3863377.25	0.05627	0.02797	0.03947	0.04388	0.12867	0.06001	0.0282	0.02797	1.03876632	0.00119008	9.466E-08	0.0040894	0.1067518	0.014936	0.004603	0.00438153	1.165955
4989	473363.09	3863377.25	0.05861	0.02862	0.04319	0.0423	0.1383	0.06173	0.0288	0.02862	1.08196364	0.001217737	1.036E-07	0.0039422	0.1147413	0.015364	0.004704	0.00448336	1.21745
4990	473863.09	3863377.25	0.06022	0.02929	0.04552	0.04094	0.13507	0.06196	0.0294	0.02929	1.11168487	0.001246244	1.092E-07	0.0038154	0.1120615	0.015422	0.004801	0.00458831	1.244442
4991	474363.09	3863377.25	0.06083	0.03014	0.04308	0.04279	0.1241	0.06026	0.03	0.03014	1.12294571	0.001282411	1.033E-07	0.0039879	0.1029602	0.014999	0.0049	0.00472147	1.246353
4992	474863.09	3863377.25	0.05947	0.03139	0.05558	0.04107	0.12779	0.05961	0.0309	0.03139	1.09783957	0.001335596	1.333E-07	0.0038276	0.1060217	0.014837	0.005037	0.00491728	1.223981
4993	475363.09	3863377.25	0.06024	0.03234	0.06462	0.04036	0.12657	0.06282	0.0312	0.03234	1.11205408	0.001376017	1.55E-07	0.0037614	0.1050095	0.015636	0.005088	0.0050661	1.237859
4994	475863.09	3863377.25	0.06138	0.03238	0.05665	0.03922	0.11431	0.06605	0.0321	0.03238	1.13309893	0.001377719	1.359E-07	0.0036551	0.0948379	0.01644	0.005243	0.00507237	1.24958
4995	476363.09	3863377.25	0.06556	0.03256	0.04826	0.03917	0.0991	0.06711	0.0323	0.03256	1.21026337	0.001385378	1.157E-07	0.0036505	0.0822188	0.016703	0.005264	0.00510056	1.314385
4996	476863.09	3863377.25	0.06748	0.03283	0.04154	0.04446	0.13882	0.06414	0.0325	0.03283	1.24570732	0.001396866	9.963E-08	0.0041435	0.1151728	0.015964	0.005307	0.00514286	1.382548
4997	477363.09	3863377.25	0.06634	0.03314	0.04157	0.04706	0.14567	0.05994	0.0329	0.03314	1.22466247	0.001410056	9.97E-08	0.0043858	0.1208559	0.014919	0.005369	0.00519142	1.36641
4998	477863.09	3863377.25	0.07082	0.03129	0.06028	0.05349	0.1695	0.05926	0.0317	0.03129	1.30736504	0.001331341	1.446E-07	0.004985	0.1406266	0.01475	0.005174	0.00490162	1.46933
4999	478363.09	3863377.25	0.07049	0.02777	0.0451	0.06136	0.17105	0.05833	0.0278	0.02777	1.30127311	0.001181571	1.082E-07	0.0057185	0.1419125	0.014518	0.004538	0.0043502	1.464792
5000	478863.09	3863377.25	0.06902	0.02888	0.06211	0.06185	0.14399	0.05767	0.0287	0.02888	1.27413633	0.001228799	1.49E-07	0.0057642	0.1194621	0.014354	0.00468	0.00452409	1.415101
5001	479363.09	3863377.25	0.06867	0.03267	0.05188	0.05822	0.20501	0.06751	0.0331	0.03267	1.26767519	0.001390058	1.244E-07	0.0054259	0.1700876	0.016803	0.0054	0.0051178	1.461664
5002	479863.09	3863377.25	0.06921	0.03891	0.06909	0.05311	0.18754	0.0684	0.0377	0.03891	1.2776438	0.00165556	1.657E-07	0.0049496	0.1555936	0.017025	0.00615	0.0060953	1.456922
5003	480363.09	3863377.25	0.07059	0.04079	0.07041	0.05361	0.17682	0.06897	0.0375	0.04079	1.30311914	0.001735552	1.689E-07	0.0049962	0.1466997	0.017166	0.006118	0.0063898	1.473445
5004	480863.09	3863377.25	0.07126	0.03998	0.07296	0.05692	0.1503	0.07214	0.0376	0.03998	1.31548761	0.001701087	1.75E-07	0.0053047	0.1246972	0.017955	0.006139	0.00626292	1.465022
5005	481363.09	3863377.25	0.06854	0.04087	0.07135	0.06694	0.12024	0.07147	0.0387	0.04087	1.26527534	0.001738955	1.711E-07	0.0062385	0.0997578	0.017789	0.006315	0.00640234	1.390712
5006	481863.09	3863377.25	0.07663	0.04215	0.06686	0.07418	0.10957	0.07346	0.0411	0.04215	1.41461992	0.001793417	1.604E-07	0.0069133	0.0909053	0.018284	0.006715	0.00660285	1.532628
5007	482363.09	3863377.25	0.0741	0.04381	0.08078	0.07399	0.15492	0.07758	0.042	0.04381	1.36791512	0.001864048	1.937E-07	0.0068956	0.1285302	0.019309	0.00686	0.00686289	1.524512
5008	482863.09	3863377.25	0.07507	0.0448	0.06049	0.08979	0.11165	0.07426	0.0439	0.0448	1.38582171	0.001906171	1.451E-07	0.0083681	0.092631	0.018483	0.007159	0.00701797	1.507351
5009	483363.09	3863377.25	0.07429	0.04636	0.06844	0.08759	0.14915	0.07102	0.0453	0.04636	1.3714226	0.001972546	1.641E-07	0.008163	0.1237431	0.017677	0.007401	0.00726235	1.523117
5010	483863.09	3863377.25	0.07443	0.04763	0.10018	0.08364	0.20802	0.07583	0.0471	0.04763	1.37400705	0.002026583	2.403E-07	0.0077949	0.1725849	0.018874	0.00768	0.0074613	1.575506
5011	484363.09	3863377.25	0.06941	0.05039	0.08791	0.07892	0.2242	0.07201	0.0504	0.05039	1.28133588	0.002144017	2.108E-07	0.007355	0.1860087	0.017923	0.008225	0.00789365	1.495098
5012	484863.09	3863377.25	0.06532	0.05306	0.07864	0.08103	0.16072	0.07232	0.0531	0.05306	1.20583287	0.002257621	1.886E-07	0.0075517	0.1333422	0.018	0.008672	0.00831191	1.367345

5013	485363.09	3863377.25	0.05851	0.05508	0.08026	0.08258	0.13681	0.07547	0.055	0.05508	1.0801176	0.002343569	1.925E-07	0.0076961	0.1135051	0.018784	0.008978	0.00862835	1.222796
5014	485863.09	3863377.25	0.05991	0.05614	0.07933	0.09151	0.05939	0.0745	0.0564	0.05614	1.10596215	0.00238867	1.903E-07	0.0085284	0.0492732	0.018543	0.009203	0.0087944	1.185104
5015	486363.09	3863377.25	0.06068	0.05691	0.06828	0.09419	0.08867	0.079	0.057	0.05691	1.12017665	0.002421433	1.638E-07	0.0087781	0.0735655	0.019663	0.009306	0.00891502	1.224995
5016	486863.09	3863377.25	0.07037	0.05819	0.09409	0.09882	0.07426	0.07233	0.0584	0.05819	1.29905786	0.002475895	2.257E-07	0.0092096	0.0616102	0.018003	0.009526	0.00911553	1.390767
5017	487363.09	3863377.25	0.06026	0.05885	0.11523	0.12382	0.13722	0.07933	0.0591	0.05885	1.11242328	0.002503977	2.764E-07	0.0115395	0.1138453	0.019745	0.009648	0.00921892	1.260487
5018	487863.09	3863377.25	0.0797	0.05926	0.08753	0.13926	0.10963	0.08038	0.0596	0.05926	1.47129333	0.002521422	2.099E-07	0.0129785	0.0909551	0.020006	0.009727	0.00928315	1.598198
5019	488363.09	3863377.25	0.07905	0.05956	0.06037	0.17022	0.06109	0.06921	0.0599	0.05956	1.45929407	0.002534186	1.448E-07	0.0158638	0.0506836	0.017226	0.009781	0.00933015	1.546052
5020	488863.09	3863377.25	0.07272	0.06537	0.06544	0.31556	0.06379	0.07951	0.0632	0.06537	1.34243978	0.002781393	1.569E-07	0.0294089	0.0529237	0.01979	0.010321	0.01024029	1.447424
5021	489363.09	3863377.25	0.09798	0.06761	0.04601	0.55113	0.0308	0.09119	0.0682	0.06761	1.80874931	0.002876701	1.103E-07	0.051363	0.0255534	0.022697	0.011126	0.01059119	1.911774
5022	489863.09	3863377.25	0.09891	0.07028	0.07144	0.1869	0.04333	0.10884	0.0708	0.07028	1.82591748	0.002990306	1.713E-07	0.0174183	0.035949	0.02709	0.011563	0.01100945	1.909919
5023	490363.09	3863377.25	0.11067	0.07334	0.04529	0.12786	0.11333	0.1036	0.0739	0.07334	2.0430117	0.003120504	1.086E-07	0.011916	0.0940248	0.025786	0.012069	0.0114888	2.178439
5024	490863.09	3863377.25	0.12126	0.07704	0.04518	0.10817	0.1682	0.09032	0.0777	0.07704	2.23850726	0.003277933	1.084E-07	0.010081	0.139548	0.02248	0.012678	0.01206841	2.414504
5025	491363.09	3863377.25	0.11129	0.08419	0.0567	0.09293	0.16815	0.08253	0.0849	0.08419	2.05445714	0.003582155	1.36E-07	0.0086607	0.1395065	0.020541	0.013852	0.01318847	2.227411
5026	491863.09	3863377.25	0.09805	0.09392	0.06366	0.08306	0.14648	0.07954	0.0946	0.09392	1.81004154	0.003996151	1.527E-07	0.0077408	0.1215279	0.019797	0.01544	0.01471268	1.963831
5027	492363.09	3863377.25	0.10068	0.09071	0.07892	0.08632	0.14957	0.08489	0.0909	0.09071	1.85859237	0.003859571	1.893E-07	0.0080447	0.1240916	0.021129	0.014839	0.01420983	2.016346
5028	492863.09	3863377.25	0.09458	0.09737	0.07681	0.08651	0.14017	0.07578	0.0749	0.09737	1.74598397	0.004142943	1.842E-07	0.0080624	0.1162928	0.018861	0.012231	0.01525313	1.890321
5029	493363.09	3863377.25	0.10669	0.07644	0.09507	0.09291	0.0901	0.0781	0.0734	0.07644	1.96953933	0.003252404	2.28E-07	0.0086588	0.0747519	0.019439	0.011976	0.01197442	2.075643
5030	493863.09	3863377.25	0.1007	0.08148	0.0688	0.08877	0.10953	0.0741	0.0889	0.08148	1.85896158	0.003466848	1.65E-07	0.008273	0.0908722	0.018443	0.014516	0.01276394	1.981769
5031	494363.09	3863377.25	0.1043	0.09454	0.06657	0.08242	0.13056	0.07688	0.0961	0.09454	1.92541899	0.004022531	1.597E-07	0.0076812	0.1083198	0.019135	0.015693	0.01480981	2.065461
5032	494863.09	3863377.25	0.10864	0.08542	0.08345	0.09532	0.11979	0.08082	0.0931	0.08542	2.0055371	0.003634489	2.001E-07	0.0088834	0.0993844	0.020116	0.015192	0.01338115	2.139366
5033	495363.09	3863377.25	0.11976	0.10444	0.07927	0.07744	0.11237	0.08263	0.0963	0.10444	2.21081667	0.004443761	1.901E-07	0.0072171	0.0932284	0.020566	0.015716	0.01636065	2.335627
5034	495863.09	3863377.25	0.11075	0.09574	0.0569	0.07745	0.10728	0.08891	0.0944	0.09574	2.04448853	0.004073589	1.365E-07	0.007218	0.0890054	0.022129	0.015412	0.01499779	2.167329
5035	496363.09	3863377.25	0.08097	0.14909	0.05183	0.0905	0.10416	0.09447	0.154	0.14909	1.49473802	0.00634355	1.243E-07	0.0084342	0.0864169	0.023513	0.025134	0.02335513	1.621225
5036	496863.09	3863377.25	0.07421	0.12398	0.04472	0.10195	0.12329	0.07549	0.1397	0.12398	1.36994577	0.005275158	1.073E-07	0.0095013	0.1022882	0.018789	0.022795	0.01942162	1.509173
5037	497363.09	3863377.25	0.06416	0.11209	0.04681	0.07981	0.15476	0.06423	0.1217	0.11209	1.18441882	0.004769257	1.123E-07	0.007438	0.1283975	0.015987	0.019867	0.01755904	1.343318
5038	497863.09	3863377.25	0.07093	0.11023	0.05967	0.06162	0.13271	0.05858	0.1209	0.11023	1.30939568	0.004690116	1.431E-07	0.0057427	0.1101036	0.01458	0.019729	0.01726766	1.446974
5039	498363.09	3863377.25	0.07725	0.14435	0.05539	0.05552	0.10276	0.05656	0.141	0.14435	1.42606536	0.00614187	1.328E-07	0.0051742	0.0852554	0.014078	0.023009	0.0226126	1.537111
5040	471363.09	3863877.25	0.0501	0.02657	0.03642	0.03949	0.09916	0.0531	0.0264	0.02657	0.92486569	0.001130513	8.735E-08	0.0036803	0.0822686	0.013216	0.004301	0.00416222	1.0253
5041	471863.09	3863877.25	0.05084	0.02677	0.03933	0.03758	0.12697	0.0572	0.0265	0.02677	0.93852638	0.001139022	9.433E-08	0.0035023	0.1053413	0.014237	0.004326	0.00419355	1.062878
5042	472363.09	3863877.25	0.0544	0.02695	0.039	0.03638	0.13254	0.05737	0.0267	0.02695	1.00424538	0.001146681	9.354E-08	0.0033905	0.1099625	0.014279	0.004358	0.00422175	1.133161
5043	472863.09	3863877.25	0.05501	0.02717	0.03975	0.03633	0.1264	0.05604	0.0269	0.02717	1.01550622	0.001156042	9.533E-08	0.0033858	0.1048684	0.013948	0.004392	0.00425621	1.139001
5044	473363.09	3863877.25	0.05501	0.02738	0.03954	0.03507	0.11286	0.05385	0.0273	0.02738	1.01550622	0.001164977	9.483E-08	0.0032684	0.0936349	0.013403	0.004455	0.00428911	1.127143
5045	473863.09	3863877.25	0.05513	0.02834	0.04836	0.03487	0.11611	0.05298	0.0277	0.02834	1.01772147	0.001205823	1.16E-07	0.0032497	0.0963313	0.013187	0.004517	0.0044395	1.131772
5046	474363.09	3863877.25	0.05443	0.02898	0.05494	0.03467	0.11497	0.05253	0.0282	0.02898	1.00479919	0.001233054	1.318E-07	0.0032311	0.0953855	0.013075	0.0046	0.00453975	1.117784
5047	474863.09	3863877.25	0.05668	0.02941	0.0523	0.03456	0.10008	0.05381	0.0287	0.02941	1.04633508	0.00125135	1.254E-07	0.0032208	0.0830319	0.013393	0.004686	0.00460711	1.147312
5048	475363.09	3863877.25	0.05869	0.0293	0.04425	0.03739	0.08694	0.05626	0.0288	0.0293	1.08344047	0.00124667	1.061E-07	0.0034846	0.0721302	0.014003	0.004698	0.00458988	1.174413
5049	475863.09	3863877.25	0.06203	0.02964	0.04028	0.04413	0.11703	0.05773	0.029	0.02964	1.14509818	0.001261136	9.661E-08	0.0041127	0.0970946	0.014369	0.004734	0.00464314	1.262026
5050	476363.09	3863877.25	0.06363	0.02989	0.03982	0.04546	0.12244	0.05686	0.0293	0.02989	1.17463481	0.001271773	9.55E-08	0.0042367	0.101583	0.014152	0.004783	0.0046823	1.295979
5051	476863.09	3863877.25	0.06163	0.03051	0.04134	0.04755	0.15418	0.05625	0.0298	0.03051	1.13771402	0.001298153	9.915E-08	0.0044315	0.1279163	0.014	0.004871	0.00477943	1.285452
5052	477363.09	3863877.25	0.05759	0.03117	0.05272	0.04829	0.15626	0.05423	0.0306	0.03117	1.06313404	0.001326235	1.264E-07	0.0045004	0.1296419	0.013498	0.00499	0.00488282	1.212208
5053	477863.09	3863877.25	0.05923	0.03132	0.05062	0.04725	0.13332	0.0574	0.0309	0.03132	1.09340908	0.001332618	1.214E-07	0.0044035	0.1106097	0.014287	0.005047	0.00490632	1.224182
5054	478363.09	3863877.25	0.0621	0.03084	0.0502	0.05144	0.14833	0.05461	0.0312	0.03084	1.14639041	0.001312194	1.204E-07	0.004794	0.1230628	0.013592	0.005088	0.00483112	1.289408
5055	478863.09	3863877.25	0.06365	0.03538	0.04748	0.04836	0.1937	0.06192	0.0344	0.03538	1.17500402	0.001505364	1.139E-07	0.004507	0.1607042	0.015412	0.005617	0.00554232	1.357207
5056	479363.09	3863877.25	0.06557	0.03746	0.06773	0.04573	0.13866	0.06298	0.036	0.03746	1.21044797	0.001593865	1.624E-07	0.0042618	0.11504	0.015676	0.005883	0.00586815	1.347034
5057	479863.09	3863877.25	0.06298	0.03896	0.07019	0.04917	0.15339	0.06421	0.0373	0.03896	1.16263555	0.001657688	1.683E-07	0.0045824	0.1272608	0.015982	0.006087	0.00610313	1.312102
5058	480363.09	3863877.25	0.06196	0.03972	0.06806	0.05515	0.13987	0.06422	0.0392	0.03972	1.14380595	0.001690025	1.632E-07	0.0051398	0.1160439	0.015984	0.00639	0.00622219	1.282832
5059	480863.09	3863877.25	0.06562	0.03998	0.05526	0.06717	0.11082	0.06063	0.0401	0.03998	1.21137099	0.001701087	1.325E-07	0.00626	0.0919424	0.015091	0.006545	0.00626292	1.326648
5060	481363.09	3863877.25	0.06754	0.0413	0.0495	0.06633	0.09673	0.05749	0.0407	0.0413	1.24681495	0.001757251	1.187E-07	0.0061817	0.0802526	0.014309	0.006637	0.0064697	1.349483
5061	481863.09	3863877.25	0.07153	0.04205	0.05745	0.07552	0.13587	0.0606	0.0417	0.04205	1.32047191	0.001789163	1.378E-07	0.0070382	0.1127253	0.015083	0.006807	0.00658718	1.457327
5062	482363.09	3863877.25	0.07046	0.04402	0.06707	0.07588	0.10714	0.06155	0.0423	0.04402	1.30071929	0.001872983	1.609E-07	0.0070717	0.0888893	0.01532	0.006905	0.00689579	1.413882
5063	482863.09	3863877.25	0.06944	0.04448	0.06345	0.07279	0.1222	0.06736	0.0438	0.04448	1.28188969	0.001892555	1.522E-07	0.0067837	0.1013839	0.016766	0.007149	0.00696785	1.408897
5064	483363.09	3863877.25	0.06918	0.04627	0.0773	0.06827	0.16009	0.06395	0.0457	0.04627	1.27708999	0.001968717	1.854E-07	0.0063625	0.1328195	0.015917	0.007461	0.00724825	1.434371
5065	483863.09	3863877.25	0.06723	0.04737	0.09346	0.0729	0.21067	0.06398	0.0474	0.04737	1.24109222	0.00201552	2.241E-07	0.006794	0.1747835	0.015924	0.007729	0.00742057	1.440918
5066	484363.09	3863877.25	0.06273	0.0487	0.07954	0.07333	0.18388	0.06608	0.0487	0.0487	1.15802046	0.00207211	1.908E-07	0.0068341	0.152557	0.016447	0.007944	0.00762891	1.336246
5067	484863.09	3863877.25	0.05232	0.04997	0.06619	0.07375	0.11446	0.064	0.0499	0.04997	0.96584776	0.002126146	1.587E-07	0.0068732	0.0949624	0.015929	0.008152	0.00782786	1.086063
5068	485363.09	3863877.25	0.05346	0.05155	0.05267	0.07308	0.10992	0.05786	0.0515	0.05155	0.98689261	0.002193373	1.263E-07	0.0068108	0.0911957	0.014401	0.008411	0.00807537	1.10183
5069	485863.09	3863877.25	0.05601	0.05241	0.06106	0.0791	0.04596	0.06434	0.0528	0.05241	1.03396661	0.002229965	1.464E-07	0.0073718	0.038131	0.016014	0.008618	0.00821009	1.098122

5070	486363.09	3863877.25	0.05775	0.053	0.05295	0.0826	0.09904	0.06575	0.0533	0.053	1.0660877	0.002255068	1.27E-07	0.007698	0.0821691	0.016365	0.0087	0.00830251	1.174972
5071	486863.09	3863877.25	0.06332	0.05302	0.11639	0.09923	0.07266	0.07206	0.0533	0.05302	1.16891209	0.002255919	2.791E-07	0.0092478	0.0602828	0.017935	0.008703	0.00830565	1.259032
5072	487363.09	3863877.25	0.04915	0.05304	0.07112	0.10585	0.13336	0.0746	0.0533	0.05304	0.90732832	0.00225677	1.706E-07	0.0098648	0.1106428	0.018568	0.008707	0.00830878	1.049058
5073	487863.09	3863877.25	0.06436	0.05537	0.06366	0.12112	0.09312	0.07562	0.0555	0.05537	1.1881109	0.002355908	1.527E-07	0.0112879	0.0772575	0.018822	0.009058	0.00867378	1.298218
5074	488363.09	3863877.25	0.07246	0.05701	0.07819	0.13926	0.05254	0.0646	0.0573	0.05701	1.33764008	0.002425688	1.875E-07	0.0129785	0.0435901	0.016079	0.009353	0.00893069	1.413136
5075	488863.09	3863877.25	0.0615	0.06023	0.05342	0.21119	0.07105	0.0601	0.0596	0.06023	1.13531417	0.002562694	1.281E-07	0.019682	0.058947	0.014959	0.009735	0.0094351	1.231765
5076	489363.09	3863877.25	0.08186	0.06466	0.03447	0.10657	0.01881	0.09417	0.0627	0.06466	1.51116777	0.002751183	8.267E-08	0.0099319	0.0156058	0.023439	0.010239	0.01012907	1.563006
5077	489863.09	3863877.25	0.09502	0.06315	0.05383	0.09816	0.0407	0.09303	0.0635	0.06315	1.75410655	0.002686935	1.291E-07	0.0091481	0.033767	0.023155	0.010362	0.00989252	1.823333
5078	490363.09	3863877.25	0.10288	0.06709	0.04889	0.10877	0.05561	0.08223	0.0605	0.06709	1.89920524	0.002854576	1.173E-07	0.0101369	0.0461371	0.020467	0.009872	0.01050973	1.978163
5079	490863.09	3863877.25	0.10823	0.06084	0.03832	0.09153	0.10144	0.0818	0.0603	0.06084	1.99796834	0.002588648	9.19E-08	0.0085302	0.0841602	0.02036	0.009844	0.00953066	2.113921
5080	491363.09	3863877.25	0.11154	0.06463	0.04786	0.07867	0.20802	0.08295	0.0636	0.06463	2.05907224	0.002749907	1.148E-07	0.0073317	0.1725849	0.020646	0.010388	0.01012437	2.262648
5081	491863.09	3863877.25	0.09873	0.05748	0.08049	0.074	0.14413	0.08341	0.0587	0.05748	1.82259461	0.002445685	1.93E-07	0.0068965	0.1195782	0.02076	0.009583	0.00900431	1.972855
5082	492363.09	3863877.25	0.0975	0.05287	0.06627	0.07338	0.1453	0.07542	0.0564	0.05287	1.79988832	0.002249537	1.589E-07	0.0068387	0.1205489	0.018772	0.009211	0.00828215	1.949226
5083	492863.09	3863877.25	0.10061	0.05294	0.06795	0.08039	0.143	0.07895	0.0554	0.05294	1.85730014	0.002252515	1.63E-07	0.007492	0.1186407	0.01965	0.009036	0.00829312	2.006079
5084	493363.09	3863877.25	0.09046	0.06359	0.06796	0.08523	0.12442	0.0819	0.0509	0.06359	1.66992715	0.002705656	1.63E-07	0.0079431	0.1032257	0.020385	0.00831	0.00996145	1.802535
5085	493863.09	3863877.25	0.097	0.06879	0.08237	0.08558	0.08779	0.07069	0.0579	0.06879	1.79065813	0.002926908	1.976E-07	0.0079757	0.0728354	0.017595	0.009456	0.01077604	1.890671
5086	494363.09	3863877.25	0.09635	0.07447	0.06591	0.07684	0.09971	0.06364	0.0793	0.07447	1.77865887	0.003168584	1.581E-07	0.0071612	0.0827249	0.01584	0.012951	0.01166582	1.888838
5087	494863.09	3863877.25	0.09062	0.06439	0.05502	0.07696	0.11249	0.07291	0.0766	0.06439	1.67288082	0.002739695	1.32E-07	0.0071724	0.0933279	0.018147	0.0125	0.01008677	1.796681
5088	495363.09	3863877.25	0.10204	0.06992	0.07578	0.09255	0.09824	0.07451	0.0756	0.06992	1.88369851	0.002974988	1.817E-07	0.0086253	0.0815053	0.018545	0.012337	0.01095305	1.996733
5089	495863.09	3863877.25	0.11056	0.08869	0.06548	0.07106	0.11807	0.08182	0.0695	0.08869	2.04098105	0.003773623	1.57E-07	0.0066225	0.0979574	0.020365	0.011343	0.0138934	2.167149
5090	496363.09	3863877.25	0.10754	0.08063	0.06255	0.06876	0.09105	0.07884	0.0759	0.08063	1.98523067	0.003430682	1.5E-07	0.0064081	0.0755401	0.019623	0.012383	0.01263079	2.089985
5091	496863.09	3863877.25	0.0889	0.11082	0.04645	0.07019	0.09882	0.08651	0.0937	0.11082	1.64112894	0.00471522	1.114E-07	0.0065414	0.0819865	0.021532	0.015298	0.01736009	1.753842
5092	497363.09	3863877.25	0.07814	0.10935	0.04459	0.09022	0.09353	0.07928	0.1132	0.10935	1.44249511	0.004652674	1.069E-07	0.0084081	0.0775977	0.019733	0.018482	0.01712981	1.554239
5093	497863.09	3863877.25	0.06765	0.09849	0.04168	0.0806	0.14573	0.06535	0.1102	0.09849	1.24884559	0.004190598	9.996E-08	0.0075116	0.1209057	0.016265	0.017985	0.01542858	1.400275
5094	498363.09	3863877.25	0.06122	0.09046	0.03912	0.06291	0.13204	0.05763	0.1019	0.09046	1.13014526	0.003848933	9.382E-08	0.005863	0.1095477	0.014344	0.016625	0.01417067	1.266203
5095	471363.09	3864377.25	0.04924	0.02569	0.03485	0.0314	0.12576	0.04727	0.0256	0.02569	0.90898975	0.00109307	8.358E-08	0.0029264	0.1043375	0.011765	0.004177	0.00402437	1.029265
5096	471863.09	3864377.25	0.05157	0.02575	0.03484	0.03233	0.11888	0.04409	0.0256	0.02575	0.95200247	0.001095623	8.356E-08	0.003013	0.0986294	0.010974	0.004172	0.00403377	1.065853
5097	472363.09	3864377.25	0.05284	0.02589	0.03992	0.03305	0.10947	0.04586	0.0256	0.02589	0.97544717	0.00110158	9.574E-08	0.0030801	0.0908224	0.011414	0.00418	0.0040557	1.08199
5098	472863.09	3864377.25	0.05268	0.02606	0.03843	0.03331	0.10803	0.04984	0.0257	0.02606	0.97249351	0.001108813	9.217E-08	0.0031044	0.0896277	0.012405	0.004198	0.00408233	1.078855
5099	473363.09	3864377.25	0.05067	0.02643	0.0411	0.03267	0.10509	0.05013	0.0259	0.02643	0.93538812	0.001124556	9.857E-08	0.0030447	0.0871885	0.012477	0.004221	0.00414029	1.039304
5100	473863.09	3864377.25	0.05057	0.02675	0.04509	0.03358	0.08993	0.05044	0.0261	0.02675	0.93354208	0.001138171	1.081E-07	0.0031295	0.0746109	0.012554	0.004259	0.00419042	1.025043
5101	474363.09	3864377.25	0.05404	0.02703	0.03895	0.0375	0.07923	0.04945	0.0264	0.02703	0.99759964	0.001150085	9.342E-08	0.0034948	0.0657336	0.012308	0.004308	0.00423428	1.08036
5102	474863.09	3864377.25	0.05603	0.02761	0.03654	0.04039	0.09891	0.04804	0.0268	0.02761	1.03433582	0.001174763	8.764E-08	0.0037642	0.0820612	0.011957	0.004378	0.00432514	1.133346
5103	475363.09	3864377.25	0.0594	0.02804	0.0379	0.04037	0.12333	0.0486	0.0273	0.02804	1.09654735	0.001193059	9.09E-08	0.0037623	0.1023214	0.012096	0.004456	0.0043925	1.215984
5104	475863.09	3864377.25	0.0602	0.02875	0.03792	0.04565	0.13024	0.04867	0.0288	0.02875	1.11131566	0.001223268	9.095E-08	0.0042544	0.1080543	0.012114	0.004696	0.00450372	1.237154
5105	476363.09	3864377.25	0.05843	0.02966	0.0371	0.04609	0.14247	0.04918	0.0298	0.02966	1.07864077	0.001261987	8.898E-08	0.0042954	0.118201	0.012241	0.004863	0.00464628	1.214856
5106	476863.09	3864377.25	0.05468	0.03045	0.04851	0.04466	0.13941	0.05165	0.0297	0.03045	1.00941429	0.001295601	1.163E-07	0.0041621	0.1156623	0.012856	0.004845	0.00477003	1.143464
5107	477363.09	3864377.25	0.05647	0.03172	0.04466	0.04387	0.12607	0.05356	0.031	0.03172	1.0424584	0.001349637	1.071E-07	0.0040885	0.1045947	0.013331	0.005065	0.00496898	1.165918
5108	477863.09	3864377.25	0.05536	0.03289	0.04663	0.04367	0.15402	0.05313	0.0327	0.03289	1.02196736	0.001399419	1.118E-07	0.0040699	0.1277835	0.013224	0.005339	0.00515226	1.168631
5109	478363.09	3864377.25	0.05564	0.03423	0.04695	0.04189	0.15389	0.05571	0.0337	0.03423	1.02713627	0.001456434	1.126E-07	0.003904	0.1276757	0.013866	0.005493	0.00536217	1.174169
5110	478863.09	3864377.25	0.05575	0.03582	0.06128	0.0438	0.12873	0.05843	0.0347	0.03582	1.02916691	0.001524086	1.47E-07	0.004082	0.1068015	0.014543	0.005671	0.00561125	1.156177
5111	479363.09	3864377.25	0.05342	0.03737	0.0594	0.04964	0.1435	0.05813	0.0359	0.03737	0.9861542	0.001590036	1.425E-07	0.0046262	0.1190555	0.014468	0.005857	0.00585406	1.125897
5112	479863.09	3864377.25	0.05691	0.03812	0.05574	0.05539	0.13191	0.05472	0.0375	0.03812	1.05058097	0.001621947	1.337E-07	0.0051621	0.1094398	0.01362	0.006126	0.00597154	1.180579
5113	480363.09	3864377.25	0.06288	0.039	0.05558	0.05924	0.10212	0.05118	0.0387	0.039	1.16078951	0.00165939	1.333E-07	0.0055209	0.0847244	0.012739	0.00631	0.0061094	1.265634
5114	480863.09	3864377.25	0.06166	0.04017	0.04938	0.06278	0.08576	0.05292	0.0395	0.04017	1.13826784	0.001709172	1.184E-07	0.0058508	0.0711512	0.013172	0.006448	0.00629268	1.230306
5115	481363.09	3864377.25	0.0624	0.04151	0.04908	0.06355	0.11921	0.05264	0.0409	0.04151	1.15192853	0.001766186	1.177E-07	0.0059226	0.0989032	0.013102	0.006674	0.00650259	1.271794
5116	481863.09	3864377.25	0.06468	0.04306	0.05862	0.07211	0.09918	0.05879	0.042	0.04306	1.19401822	0.001832137	1.406E-07	0.0067204	0.0822852	0.014633	0.006851	0.0067454	1.299594
5117	482363.09	3864377.25	0.06338	0.0438	0.05115	0.06457	0.10126	0.05772	0.0425	0.0438	1.17001971	0.001863622	1.227E-07	0.0060177	0.0840109	0.014366	0.006939	0.00686132	1.276356
5118	482863.09	3864377.25	0.06147	0.04422	0.06312	0.0588	0.14119	0.05593	0.0436	0.04422	1.13476036	0.001881493	1.514E-07	0.0054799	0.117139	0.013921	0.007117	0.00692712	1.273371
5119	483363.09	3864377.25	0.05776	0.04536	0.08722	0.06764	0.19648	0.05984	0.0448	0.04536	1.0662723	0.001929998	2.092E-07	0.0063038	0.1630107	0.014894	0.007309	0.0071057	1.252615
5120	483863.09	3864377.25	0.0572	0.04629	0.07618	0.06653	0.17711	0.05575	0.0463	0.04629	1.05593448	0.001969568	1.827E-07	0.0062003	0.1469403	0.013876	0.007556	0.00725138	1.225225
5121	484363.09	3864377.25	0.04804	0.0469	0.06428	0.06366	0.13131	0.05553	0.0472	0.0469	0.88683728	0.001995523	1.542E-07	0.0059328	0.108942	0.013821	0.007709	0.00734694	1.017891
5122	484863.09	3864377.25	0.04727	0.04784	0.04876	0.06045	0.1003	0.05327	0.0482	0.04784	0.87262278	0.002035518	1.169E-07	0.0056337	0.0832144	0.013259	0.007863	0.00749419	0.977134
5123	485363.09	3864377.25	0.05126	0.04831	0.05997	0.06602	0.0728	0.05199	0.0486	0.04831	0.94627975	0.002055516	1.438E-07	0.0061528	0.0603989	0.01294	0.007939	0.00756782	1.028199
5124	485863.09	3864377.25	0.04831	0.04832	0.03474	0.07151	0.03521	0.06187	0.0486	0.04832	0.89182159	0.002055941	8.332E-08	0.0066644	0.0292122	0.015399	0.007936	0.00756939	0.94552
5125	486363.09	3864377.25	0.05708	0.04833	0.07892	0.0812	0.0594	0.06444	0.0486	0.04833	1.05371923	0.002056367	1.893E-07	0.0075675	0.0492815	0.016039	0.007935	0.00757095	1.129027
5126	486863.09	3864377.25	0.05553	0.04844	0.09525	0.09282	0.07674	0.06751	0.0487	0.04844	1.02510563	0.002061047	2.284E-07	0.0086504	0.0636678	0.016803	0.007952	0.00758818	1.116652

5127	487363.09	3864377.25	0.04246	0.04948	0.0528	0.10254	0.12944	0.06979	0.0496	0.04948	0.78382829	0.002105298	1.266E-07	0.0095563	0.1073906	0.01737	0.008093	0.0077511	0.920593
5128	487863.09	3864377.25	0.05369	0.04934	0.05451	0.10693	0.08672	0.06447	0.0496	0.04934	0.9911385	0.002099341	1.307E-07	0.0099654	0.0719477	0.016046	0.008101	0.00772917	1.091569
5129	488363.09	3864377.25	0.05211	0.05044	0.05658	0.13116	0.04932	0.04914	0.0507	0.05044	0.96197108	0.002146144	1.357E-07	0.0122236	0.0409186	0.012231	0.008279	0.00790149	1.029868
5130	488863.09	3864377.25	0.05647	0.05142	0.04568	0.15776	0.06733	0.04561	0.0516	0.05142	1.0424584	0.002187842	1.096E-07	0.0147026	0.0558607	0.011352	0.008426	0.00805501	1.126933
5131	489363.09	3864377.25	0.06714	0.05226	0.0395	0.08988	0.02055	0.06472	0.0483	0.05226	1.23943079	0.002223582	9.473E-08	0.0083764	0.0170494	0.016109	0.007887	0.00818659	1.28289
5132	489863.09	3864377.25	0.08323	0.05318	0.04082	0.08641	0.04373	0.07105	0.0499	0.05318	1.53645851	0.002262727	9.79E-08	0.0080531	0.0362808	0.017684	0.008148	0.00833071	1.600557
5133	490363.09	3864377.25	0.09024	0.05418	0.04632	0.09482	0.04258	0.07285	0.0533	0.05418	1.66586587	0.002305275	1.111E-07	0.0088368	0.0353267	0.018132	0.008692	0.00848736	1.730671
5134	490863.09	3864377.25	0.09188	0.05494	0.03829	0.08401	0.0976	0.08244	0.053	0.05494	1.69614091	0.002337612	9.183E-08	0.0078294	0.0809744	0.020519	0.008654	0.00860642	1.807849
5135	491363.09	3864377.25	0.10548	0.04518	0.04024	0.0766	0.15574	0.0934	0.042	0.04518	1.94720226	0.001922339	9.651E-08	0.0071388	0.1292105	0.023247	0.00686	0.0070775	2.108504
5136	491863.09	3864377.25	0.10271	0.02467	0.03136	0.0374	0.13262	0.04589	0.0306	0.02467	1.89606697	0.00104967	7.521E-08	0.0034855	0.1100289	0.011422	0.004987	0.00386459	2.023175
5137	492363.09	3864377.25	0.09655	0.03828	0.06293	0.05999	0.14651	0.0686	0.04	0.03828	1.78235095	0.001628755	1.509E-07	0.0055908	0.1215528	0.017074	0.006531	0.00599661	1.928732
5138	492863.09	3864377.25	0.09133	0.02648	0.03601	0.0463	0.14332	0.04516	0.0268	0.02648	1.6859877	0.001126683	8.636E-08	0.004315	0.1189062	0.01124	0.004375	0.00414812	1.821802
5139	493363.09	3864377.25	0.09503	0.03809	0.05576	0.062	0.11756	0.05828	0.0358	0.03809	1.75429115	0.001620671	1.337E-07	0.0057781	0.0975343	0.014506	0.00585	0.00596684	1.873613
5140	493863.09	3864377.25	0.08187	0.05275	0.06458	0.06838	0.09785	0.07631	0.048	0.05275	1.51135238	0.002244431	1.549E-07	0.0063727	0.0811818	0.018993	0.007828	0.00826335	1.61971
5141	494363.09	3864377.25	0.08986	0.06325	0.06961	0.06881	0.08814	0.06608	0.047	0.06325	1.65885092	0.00269119	1.669E-07	0.0064128	0.0731258	0.016447	0.007677	0.00990819	1.755296
5142	494863.09	3864377.25	0.09175	0.05768	0.06111	0.06904	0.08801	0.05628	0.058	0.05768	1.69374106	0.002454195	1.466E-07	0.0064342	0.073018	0.014008	0.009474	0.00903564	1.790094
5143	495363.09	3864377.25	0.08512	0.06333	0.04934	0.07334	0.09513	0.06727	0.0725	0.06333	1.57134866	0.002694594	1.183E-07	0.006835	0.0789251	0.016743	0.011837	0.00992072	1.678463
5144	495863.09	3864377.25	0.09334	0.06271	0.06167	0.07706	0.09026	0.06845	0.0672	0.06271	1.72309309	0.002668214	1.479E-07	0.0071817	0.0748847	0.017037	0.010971	0.0098236	1.826012
5145	496363.09	3864377.25	0.09046	0.06895	0.0602	0.06427	0.11999	0.07557	0.0642	0.06895	1.66992715	0.002933716	1.444E-07	0.0059897	0.0995503	0.018809	0.010483	0.0108011	1.796892
5146	496863.09	3864377.25	0.10593	0.0642	0.05329	0.05907	0.08116	0.07322	0.0666	0.0642	1.95550944	0.002731611	1.278E-07	0.0055051	0.0673348	0.018224	0.010864	0.01005701	2.050113
5147	497363.09	3864377.25	0.094	0.0753	0.04701	0.0595	0.08049	0.07299	0.0753	0.0753	1.73527695	0.003203899	1.127E-07	0.0055452	0.066779	0.018167	0.012286	0.01179584	1.829462
5148	497863.09	3864377.25	0.07564	0.09388	0.04198	0.06699	0.08602	0.08051	0.0978	0.09388	1.39634413	0.003994449	1.007E-07	0.0062432	0.071367	0.020039	0.015962	0.01470642	1.499243
5149	498363.09	3864377.25	0.0721	0.09168	0.03891	0.07896	0.10368	0.06573	0.1041	0.09168	1.33099434	0.003900843	9.332E-08	0.0073587	0.0860187	0.01636	0.016992	0.01436178	1.447263
5150	471363.09	3864877.25	0.04915	0.02413	0.03324	0.03075	0.10495	0.04438	0.0238	0.02413	0.90732832	0.001026694	7.972E-08	0.0028658	0.0870723	0.011046	0.003886	0.00377999	1.009446
5151	471863.09	3864877.25	0.04828	0.02408	0.03687	0.03077	0.10288	0.04642	0.0237	0.02408	0.89126778	0.001024567	8.843E-08	0.0028676	0.0853549	0.011554	0.003875	0.00377216	0.992172
5152	472363.09	3864877.25	0.04857	0.02417	0.03998	0.03252	0.09689	0.0441	0.0236	0.02417	0.89662129	0.001028396	9.589E-08	0.0030307	0.0803853	0.010976	0.003847	0.00378626	0.992103
5153	472863.09	3864877.25	0.05041	0.02457	0.03329	0.033	0.08208	0.0444	0.0247	0.02457	0.93058841	0.001045416	7.984E-08	0.0030755	0.0680981	0.011051	0.004037	0.00384892	1.014046
5154	473363.09	3864877.25	0.04852	0.02604	0.03449	0.03601	0.07295	0.04419	0.0253	0.02604	0.89569827	0.001107962	8.272E-08	0.003356	0.0605234	0.010999	0.004133	0.0040792	0.971738
5155	473863.09	3864877.25	0.05193	0.02673	0.03326	0.036	0.08416	0.0434	0.0259	0.02673	0.95864821	0.00113732	7.977E-08	0.0033551	0.0698238	0.010802	0.004226	0.00418729	1.043805
5156	474363.09	3864877.25	0.05408	0.02739	0.03225	0.03777	0.11029	0.04226	0.0267	0.02739	0.99833806	0.001165402	7.735E-08	0.00352	0.0915027	0.010518	0.004355	0.00429068	1.105109
5157	474863.09	3864877.25	0.05676	0.02809	0.03512	0.0441	0.09972	0.04511	0.0279	0.02809	1.04781191	0.001195186	8.423E-08	0.0041099	0.0827332	0.011228	0.004552	0.00440033	1.14723
5158	475363.09	3864877.25	0.05731	0.02913	0.03626	0.04393	0.12828	0.04489	0.0284	0.02913	1.05796513	0.001239437	8.696E-08	0.0040941	0.1064282	0.011173	0.004641	0.00456325	1.180977
5159	475863.09	3864877.25	0.05515	0.03048	0.03191	0.04206	0.13578	0.04826	0.0295	0.03048	1.01809068	0.001296877	7.653E-08	0.0039198	0.1126506	0.012012	0.00481	0.00477473	1.148005
5160	476363.09	3864877.25	0.05297	0.03124	0.04078	0.03948	0.10439	0.04771	0.0313	0.03124	0.97784702	0.001329214	9.78E-08	0.0036794	0.0866077	0.011875	0.005104	0.00489378	1.081549
5161	476863.09	3864877.25	0.0551	0.03187	0.04182	0.03968	0.10704	0.04845	0.0319	0.03187	1.01716766	0.001356019	1.003E-07	0.003698	0.0888063	0.012059	0.00521	0.00499247	1.123305
5162	477363.09	3864877.25	0.05314	0.03311	0.04212	0.0384	0.15785	0.05176	0.0328	0.03311	0.98098529	0.001408779	1.01E-07	0.0035787	0.1309611	0.012883	0.005349	0.00518672	1.129979
5163	477863.09	3864877.25	0.04898	0.0343	0.04353	0.04099	0.13298	0.0567	0.0344	0.0343	0.90419005	0.001459412	1.044E-07	0.0038201	0.1103276	0.014112	0.00561	0.00537314	1.034147
5164	478363.09	3864877.25	0.04946	0.03512	0.04864	0.0439	0.12205	0.05176	0.0349	0.03512	0.91305104	0.001494302	1.167E-07	0.0040913	0.1012594	0.012883	0.0057	0.00550159	1.032977
5165	478863.09	3864877.25	0.05031	0.03595	0.04858	0.0467	0.13715	0.05044	0.0358	0.03595	0.92874237	0.001529617	1.165E-07	0.0043522	0.1137872	0.012554	0.005837	0.00563161	1.061171
5166	479363.09	3864877.25	0.04904	0.03713	0.04504	0.05505	0.12405	0.04457	0.0369	0.03713	0.90529767	0.001579824	1.08E-07	0.0051304	0.1029187	0.011093	0.00602	0.00581646	1.026224
5167	479863.09	3864877.25	0.05526	0.03767	0.04912	0.05402	0.09292	0.04564	0.0375	0.03767	1.02012132	0.0016028	1.178E-07	0.0050344	0.0770916	0.01136	0.006121	0.00590105	1.11543
5168	480363.09	3864877.25	0.05869	0.03924	0.04846	0.05769	0.07367	0.04893	0.0386	0.03924	1.08344047	0.001669601	1.162E-07	0.0053765	0.0611207	0.012179	0.006299	0.00614699	1.163938
5169	480863.09	3864877.25	0.05534	0.04018	0.0524	0.05435	0.10484	0.0483	0.0393	0.04018	1.02159815	0.001709597	1.257E-07	0.0050652	0.0869811	0.012022	0.006421	0.00629425	1.127503
5170	481363.09	3864877.25	0.05442	0.04093	0.05059	0.05954	0.09143	0.04906	0.04	0.04093	1.00461459	0.001741508	1.213E-07	0.0055489	0.0758554	0.012211	0.006528	0.00641173	1.100087
5171	481863.09	3864877.25	0.05541	0.04163	0.04371	0.05841	0.08072	0.04959	0.0404	0.04163	1.02289038	0.001771292	1.048E-07	0.0054436	0.0669698	0.012343	0.006598	0.00652139	1.109494
5172	482363.09	3864877.25	0.04895	0.04237	0.05915	0.05253	0.10952	0.05356	0.0406	0.04237	0.90363624	0.001802778	1.419E-07	0.0048956	0.0908639	0.013331	0.006632	0.00663731	1.014524
5173	482863.09	3864877.25	0.05245	0.04044	0.06627	0.05847	0.14152	0.04753	0.0403	0.04044	0.96824762	0.00172066	1.589E-07	0.0054492	0.1174128	0.01183	0.006585	0.00633498	1.10491
5174	483363.09	3864877.25	0.05306	0.03949	0.07299	0.061	0.16282	0.04963	0.0392	0.03949	0.97950845	0.001680239	1.751E-07	0.0056849	0.1350845	0.012353	0.006399	0.00618616	1.134523
5175	483863.09	3864877.25	0.04648	0.03939	0.06766	0.05401	0.13936	0.04512	0.0386	0.03939	0.85803907	0.001675984	1.623E-07	0.0050335	0.1156208	0.01123	0.006301	0.00617049	0.99173
5176	484363.09	3864877.25	0.04574	0.03976	0.04394	0.05266	0.09522	0.0485	0.0388	0.03976	0.84437838	0.001691727	1.054E-07	0.0049077	0.0789998	0.012071	0.00633	0.00622845	0.942151
5177	484863.09	3864877.25	0.04486	0.04013	0.04703	0.05688	0.10575	0.0476	0.0386	0.04013	0.82813323	0.00170747	1.128E-07	0.005301	0.0877361	0.011847	0.006296	0.00628641	0.934735
5178	485363.09	3864877.25	0.04651	0.04024	0.04428	0.06584	0.04943	0.05015	0.0385	0.04024	0.85859288	0.00171215	1.062E-07	0.006136	0.0410099	0.012482	0.006284	0.00630365	0.919914
5179	485863.09	3864877.25	0.04827	0.03924	0.04559	0.07172	0.02568	0.05867	0.0387	0.03924	0.89108317	0.001669601	1.093E-07	0.006684	0.0213055	0.014603	0.006323	0.00614699	0.935522
5180	486363.09	3864877.25	0.05485	0.04289	0.08084	0.08005	0.06918	0.06237	0.0425	0.04289	1.01255256	0.001824903	1.939E-07	0.0074603	0.0573956	0.015524	0.006944	0.00671877	1.094982
5181	486863.09	3864877.25	0.04643	0.04365	0.07756	0.08805	0.08011	0.06134	0.0437	0.04365	0.85711605	0.00185724	1.86E-07	0.0082059	0.0664637	0.015267	0.00714	0.00683783	0.949212
5182	487363.09	3864877.25	0.04051	0.03905	0.05277	0.08723	0.12492	0.05879	0.0426	0.03905	0.74783052	0.001661517	1.266E-07	0.0081295	0.1036405	0.014633	0.006949	0.00611723	0.876726
5183	487863.09	3864877.25	0.04744	0.0411	0.03877	0.10274	0.08175	0.05858	0.0421	0.0411	0.87576105	0.001748742	9.298E-08	0.0095749	0.0678243	0.01458	0.006865	0.00643837	0.969917

5184	488363.09	3864877.25	0.04678	0.0433	0.04641	0.10399	0.0444	0.04562	0.0436	0.0433	0.86357719	0.001842348	1.113E-07	0.0096914	0.0368367	0.011355	0.007112	0.006783	0.923631
5185	488863.09	3864877.25	0.04996	0.04392	0.04747	0.08426	0.05433	0.03771	0.0442	0.04392	0.92228124	0.001868728	1.138E-07	0.0078527	0.0450752	0.009386	0.007208	0.00688012	0.986792
5186	489363.09	3864877.25	0.06001	0.0463	0.05282	0.08223	0.02028	0.04954	0.0419	0.0463	1.10780819	0.001969994	1.267E-07	0.0076635	0.0168254	0.01233	0.006843	0.00725295	1.146187
5187	489863.09	3864877.25	0.07311	0.04124	0.03353	0.05706	0.02491	0.05792	0.0404	0.04124	1.34963934	0.001754698	8.042E-08	0.0053178	0.0206667	0.014416	0.006599	0.0064603	1.391934
5188	490363.09	3864877.25	0.08515	0.04108	0.03616	0.06719	0.03628	0.0745	0.041	0.04108	1.57190247	0.001747891	8.672E-08	0.0062618	0.0300999	0.018543	0.006689	0.00643523	1.628809
5189	490863.09	3864877.25	0.09739	0.04106	0.04791	0.07344	0.04841	0.0745	0.0308	0.04106	1.79785768	0.00174704	1.149E-07	0.0068443	0.0401636	0.018543	0.005031	0.0064321	1.863754
5190	491363.09	3864877.25	0.09161	0.04163	0.03353	0.06203	0.09012	0.08269	0.0376	0.04163	1.69115661	0.001771292	8.042E-08	0.0057809	0.0747685	0.020581	0.006141	0.00652139	1.793678
5191	491863.09	3864877.25	0.10614	0.04196	0.03685	0.06591	0.21635	0.07727	0.0402	0.04196	1.95938612	0.001785333	8.838E-08	0.0061425	0.1794959	0.019232	0.006559	0.00657309	2.166028
5192	492363.09	3864877.25	0.07621	0.02086	0.02232	0.02886	0.07683	0.02623	0.0223	0.02086	1.40686655	0.000887561	5.353E-08	0.0026896	0.0637424	0.006529	0.003643	0.00326774	1.48109
5193	492863.09	3864877.25	0.07113	0.02339	0.02638	0.03762	0.12016	0.03296	0.0262	0.02339	1.31308776	0.000995208	6.327E-08	0.003506	0.0996914	0.008204	0.00427	0.00366407	1.42609
5194	493363.09	3864877.25	0.07603	0.02486	0.02889	0.0379	0.11275	0.03468	0.0239	0.02486	1.40354368	0.001057755	6.929E-08	0.0035321	0.0935436	0.008632	0.003901	0.00389435	1.510316
5195	493863.09	3864877.25	0.0925	0.03676	0.04997	0.06339	0.10235	0.06296	0.0358	0.03676	1.70758636	0.001564081	1.198E-07	0.0059077	0.0849152	0.015671	0.005845	0.0057585	1.815731
5196	494363.09	3864877.25	0.08017	0.0499	0.06002	0.06634	0.07511	0.07435	0.0447	0.0499	1.47996971	0.002123168	1.439E-07	0.0061826	0.0623154	0.018505	0.007296	0.0078169	1.568576
5197	494863.09	3864877.25	0.08162	0.05598	0.06197	0.0601	0.08523	0.05905	0.0421	0.05598	1.50673728	0.002381863	1.486E-07	0.0056011	0.0707115	0.014697	0.006865	0.00876934	1.598225
5198	495363.09	3864877.25	0.08216	0.05563	0.05861	0.06264	0.07787	0.05479	0.0561	0.05563	1.51670589	0.002366971	1.406E-07	0.0058378	0.0646053	0.013637	0.00916	0.00871451	1.603599
5199	495863.09	3864877.25	0.07649	0.05541	0.04276	0.06591	0.0849	0.05855	0.0624	0.05541	1.41203546	0.00235761	1.026E-07	0.0061425	0.0704377	0.014573	0.010187	0.00868004	1.507053
5200	496363.09	3864877.25	0.07681	0.05548	0.05207	0.06435	0.09183	0.06254	0.0587	0.05548	1.41794279	0.002360588	1.249E-07	0.0059972	0.0761873	0.015566	0.009586	0.00869101	1.518949
5201	496863.09	3864877.25	0.08534	0.05552	0.05795	0.06019	0.10765	0.06641	0.061	0.05552	1.57540994	0.00236229	1.39E-07	0.0056095	0.0893124	0.016529	0.00995	0.00869728	1.690477
5202	497363.09	3864877.25	0.08889	0.05323	0.04887	0.04871	0.06981	0.07223	0.0565	0.05323	1.64094434	0.002264854	1.172E-07	0.0045396	0.0579182	0.017978	0.009226	0.00833854	1.724532
5203	497863.09	3864877.25	0.09719	0.06134	0.04856	0.05616	0.0726	0.06694	0.061	0.06134	1.7941656	0.002609922	1.165E-07	0.0052339	0.060233	0.016661	0.009963	0.00960899	1.879258
5204	498363.09	3864877.25	0.08109	0.08159	0.03925	0.05312	0.08274	0.07008	0.069	0.08159	1.49695327	0.003471529	9.413E-08	0.0049506	0.0686457	0.017443	0.011269	0.01278117	1.589952
5205	471363.09	3865377.25	0.0468	0.02449	0.03711	0.03182	0.08934	0.04308	0.0239	0.02449	0.86394639	0.001042012	8.9E-08	0.0029655	0.0741214	0.010722	0.003904	0.00383639	0.952866
5206	471863.09	3865377.25	0.04806	0.02505	0.03445	0.03269	0.07615	0.04243	0.0244	0.02505	0.88720649	0.001065839	8.262E-08	0.0030466	0.0631783	0.010561	0.003989	0.00392411	0.965123
5207	472363.09	3865377.25	0.04869	0.02566	0.03131	0.03332	0.06692	0.04141	0.0252	0.02566	0.89883654	0.001091793	7.509E-08	0.0031053	0.0555205	0.010307	0.004105	0.00401967	0.968947
5208	472863.09	3865377.25	0.04708	0.02615	0.03099	0.03484	0.08121	0.04002	0.026	0.02615	0.8691153	0.001112642	7.432E-08	0.0032469	0.0673763	0.009961	0.004249	0.00409643	0.950965
5209	473363.09	3865377.25	0.04942	0.02733	0.03604	0.03676	0.09311	0.03916	0.0263	0.02733	0.91231262	0.001162849	8.644E-08	0.0034259	0.0772492	0.009747	0.004298	0.00428128	1.003914
5210	473863.09	3865377.25	0.0521	0.02846	0.03332	0.04234	0.09404	0.04091	0.0267	0.02846	0.96178648	0.001210929	7.991E-08	0.0039459	0.0780208	0.010182	0.004355	0.00445829	1.055043
5211	474363.09	3865377.25	0.05396	0.02905	0.03482	0.04189	0.11774	0.03984	0.0277	0.02905	0.99612281	0.001236033	8.351E-08	0.003904	0.0976836	0.009916	0.004523	0.00455072	1.108835
5212	474863.09	3865377.25	0.05345	0.02963	0.03536	0.03907	0.13001	0.04305	0.0291	0.02963	0.98670801	0.001260711	8.481E-08	0.0036412	0.1078635	0.010715	0.004752	0.00464158	1.110298
5213	475363.09	3865377.25	0.05248	0.02982	0.03419	0.03756	0.11132	0.04092	0.0299	0.02982	0.96880143	0.001268795	8.2E-08	0.0035004	0.0923572	0.010185	0.004872	0.00467134	1.076314
5214	475863.09	3865377.25	0.05163	0.03051	0.03466	0.03646	0.09647	0.04212	0.0301	0.03051	0.95311009	0.001298153	8.313E-08	0.0033979	0.0800369	0.010484	0.00492	0.00477943	1.048467
5215	476363.09	3865377.25	0.05211	0.03138	0.04124	0.03621	0.11664	0.04595	0.0305	0.03138	0.96197108	0.001335171	9.891E-08	0.0033746	0.096771	0.011437	0.004972	0.00491572	1.074945
5216	476863.09	3865377.25	0.05015	0.02624	0.04574	0.03842	0.14237	0.05013	0.0266	0.02624	0.92578871	0.001116472	1.097E-07	0.0035806	0.118118	0.012477	0.004344	0.00411053	1.061314
5217	477363.09	3865377.25	0.04918	0.03215	0.04354	0.04055	0.11726	0.04935	0.0323	0.03215	0.90788213	0.001367933	1.044E-07	0.0037791	0.0972854	0.012283	0.005266	0.00503634	1.022827
5218	477863.09	3865377.25	0.04814	0.03386	0.03636	0.04338	0.11782	0.04788	0.0339	0.03386	0.88868332	0.001440691	8.72E-08	0.0040428	0.09775	0.011917	0.005538	0.00530421	1.004068
5219	478363.09	3865377.25	0.0497	0.03439	0.04189	0.04909	0.11617	0.04729	0.0344	0.03439	0.91748153	0.001463241	1.005E-07	0.004575	0.0963811	0.01177	0.00562	0.00538724	1.031904
5220	478863.09	3865377.25	0.04744	0.035	0.04228	0.04845	0.11737	0.04262	0.0346	0.035	0.87576105	0.001489196	1.014E-07	0.0045153	0.0973766	0.010608	0.005641	0.00548279	0.989909
5221	479363.09	3865377.25	0.05164	0.03584	0.04391	0.05238	0.08554	0.04269	0.0343	0.03584	0.9532947	0.001524937	1.053E-07	0.0048816	0.0709687	0.010625	0.005594	0.00561438	1.041275
5222	479863.09	3865377.25	0.05312	0.03596	0.04619	0.04818	0.06346	0.04534	0.036	0.03596	0.98061608	0.001530043	1.108E-07	0.0044902	0.0526499	0.011285	0.005875	0.00563318	1.050813
5223	480363.09	3865377.25	0.04907	0.03697	0.0436	0.057	0.09213	0.04536	0.037	0.03697	0.90585149	0.001573016	1.046E-07	0.0053122	0.0764361	0.01129	0.006036	0.0057914	1.000708
5224	480863.09	3865377.25	0.04414	0.03653	0.03647	0.05885	0.0839	0.04458	0.0367	0.03653	0.81484175	0.001554295	8.747E-08	0.0054846	0.0696081	0.011096	0.00599	0.00572247	0.902853
5225	481363.09	3865377.25	0.05342	0.03589	0.04155	0.05138	0.07147	0.04578	0.036	0.03589	0.9861542	0.001527064	9.965E-08	0.0047884	0.0592955	0.011394	0.005883	0.00562221	1.06342
5226	481863.09	3865377.25	0.04534	0.03483	0.05114	0.04776	0.10167	0.04127	0.035	0.03483	0.83699422	0.001481963	1.227E-07	0.004451	0.0843511	0.010272	0.005706	0.00545616	0.937801
5227	482363.09	3865377.25	0.04502	0.03383	0.0617	0.05267	0.12969	0.04253	0.0335	0.03383	0.83108689	0.001439414	1.48E-07	0.0049086	0.107598	0.010586	0.005465	0.00529951	0.955784
5228	482863.09	3865377.25	0.04694	0.03256	0.06275	0.05594	0.15907	0.04353	0.0319	0.03256	0.86653085	0.001385378	1.505E-07	0.0052134	0.1319733	0.010834	0.005209	0.00510056	1.016046
5229	483363.09	3865377.25	0.04334	0.03231	0.05618	0.04827	0.15264	0.04372	0.0322	0.03231	0.80007343	0.001374741	1.347E-07	0.0044986	0.1266386	0.010882	0.005256	0.0050614	0.943662
5230	483863.09	3865377.25	0.04442	0.03458	0.05856	0.04579	0.10897	0.04654	0.0345	0.03458	0.82001066	0.001471326	1.404E-07	0.0042674	0.0904075	0.011584	0.00563	0.005417	0.927954
5231	484363.09	3865377.25	0.04344	0.03739	0.03983	0.04834	0.09257	0.04657	0.0369	0.03739	0.80191947	0.001590887	9.553E-08	0.0045051	0.0768012	0.011591	0.006025	0.00585719	0.896575
5232	484863.09	3865377.25	0.04398	0.03389	0.03847	0.05233	0.07438	0.04611	0.034	0.03389	0.81188809	0.001441967	9.226E-08	0.0048769	0.0617098	0.011477	0.005542	0.00530891	0.891626
5233	485363.09	3865377.25	0.04364	0.03495	0.05087	0.0656	0.02997	0.0482	0.0345	0.03495	0.80561155	0.001487069	1.22E-07	0.0061136	0.0248648	0.011997	0.005628	0.00547496	0.850227
5234	485863.09	3865377.25	0.04757	0.03738	0.07381	0.06928	0.03286	0.05548	0.037	0.03738	0.8781609	0.001590461	1.77E-07	0.0064566	0.0272625	0.013809	0.006044	0.00585562	0.927468
5235	486363.09	3865377.25	0.05093	0.03833	0.06177	0.07769	0.0498	0.05896	0.039	0.03833	0.94018782	0.001630882	1.481E-07	0.0072404	0.0413168	0.014675	0.006372	0.00600444	1.005419
5236	486863.09	3865377.25	0.04259	0.03813	0.07101	0.08207	0.08294	0.05435	0.0404	0.03813	0.78622814	0.001622373	1.703E-07	0.0076486	0.0688116	0.013528	0.006588	0.00597311	0.878453
5237	487363.09	3865377.25	0.03908	0.03777	0.05087	0.08562	0.12073	0.05829	0.0413	0.03777	0.72143216	0.001607055	1.22E-07	0.0079794	0.1001643	0.014508	0.00674	0.00591672	0.846514
5238	487863.09	3865377.25	0.04491	0.03737	0.03261	0.09238	0.07745	0.05377	0.0386	0.03737	0.82905625	0.001590036	7.821E-08	0.0086094	0.0642568	0.013383	0.006304	0.00585406	0.917346
5239	488363.09	3865377.25	0.04219	0.03638	0.03846	0.07543	0.04003	0.04369	0.0365	0.03638	0.77884398	0.001547913	9.224E-08	0.0070298	0.0332111	0.010874	0.005964	0.00569897	0.831773
5240	488863.09	3865377.25	0.04117	0.03666	0.05326	0.0585	0.04355	0.03298	0.037	0.03666	0.76001438	0.001559826	1.277E-07	0.005452	0.0361315	0.008209	0.006046	0.00574283	0.81167

5241	489363.09	3865377.25	0.05445	0.03755	0.06314	0.06922	0.02335	0.03791	0.0363	0.03755	1.0051684	0.001597695	1.514E-07	0.006451	0.0193725	0.009436	0.00593	0.00588225	1.042073
5242	489863.09	3865377.25	0.06516	0.0372	0.04037	0.03795	0.01537	0.04916	0.0363	0.0372	1.20287921	0.001582803	9.682E-08	0.0035368	0.0127518	0.012236	0.005924	0.00582743	1.233083
5243	490363.09	3865377.25	0.08155	0.03428	0.02982	0.05917	0.02672	0.07646	0.0298	0.03428	1.50544505	0.001458561	7.152E-08	0.0055144	0.0221684	0.019031	0.004871	0.00537	1.553118
5244	490863.09	3865377.25	0.08875	0.02955	0.04359	0.06342	0.03608	0.07586	0.0272	0.02955	1.63835988	0.001257307	1.045E-07	0.0059105	0.029934	0.018881	0.004441	0.00462904	1.694155
5245	491363.09	3865377.25	0.09461	0.03668	0.0358	0.06108	0.09004	0.06723	0.0291	0.03668	1.74653779	0.001560677	8.586E-08	0.0056924	0.0747022	0.016733	0.00475	0.00574597	1.84423
5246	491863.09	3865377.25	0.09705	0.0387	0.03157	0.05798	0.13308	0.07521	0.0349	0.0387	1.79158114	0.001646625	7.572E-08	0.0054035	0.1104105	0.01872	0.00569	0.0060624	1.927389
5247	492363.09	3865377.25	0.10824	0.02883	0.0328	0.05338	0.14657	0.05157	0.031	0.02883	1.99815294	0.001226672	7.867E-08	0.0049748	0.1216026	0.012836	0.005054	0.00451625	2.13933
5248	492863.09	3865377.25	0.09759	0.02235	0.03332	0.04001	0.12658	0.04021	0.027	0.02235	1.80154976	0.000950958	7.991E-08	0.0037288	0.1050178	0.010008	0.004399	0.00350115	1.922153
5249	493363.09	3865377.25	0.064	0.02249	0.02401	0.03496	0.10542	0.02953	0.0229	0.02249	1.18146515	0.000956915	5.758E-08	0.0032581	0.0874623	0.00735	0.003744	0.00352309	1.280714
5250	493863.09	3865377.25	0.07942	0.02523	0.04185	0.04771	0.10525	0.04389	0.0266	0.02523	1.46612442	0.001073498	1.004E-07	0.0044464	0.0873212	0.010924	0.004347	0.00395231	1.570284
5251	494363.09	3865377.25	0.08475	0.03684	0.04751	0.05857	0.09194	0.05215	0.0344	0.03684	1.56451831	0.001567485	1.139E-07	0.0054585	0.0762785	0.01298	0.005622	0.00577103	1.660653
5252	494863.09	3865377.25	0.07997	0.04737	0.0529	0.06389	0.06286	0.06597	0.039	0.04737	1.47627763	0.00201552	1.269E-07	0.0059543	0.0521521	0.01642	0.006363	0.00742057	1.551761
5253	495363.09	3865377.25	0.07388	0.04949	0.05684	0.05638	0.07899	0.05259	0.0378	0.04949	1.36385384	0.002105723	1.363E-07	0.0052544	0.0655345	0.013089	0.00617	0.00775267	1.448255
5254	495863.09	3865377.25	0.07799	0.0531	0.05743	0.05495	0.07212	0.05142	0.0529	0.0531	1.43972605	0.002259323	1.377E-07	0.0051211	0.0598347	0.012798	0.00864	0.00831818	1.520061
5255	496363.09	3865377.25	0.07663	0.04623	0.04371	0.06514	0.07844	0.05495	0.0493	0.04623	1.41461992	0.001967015	1.048E-07	0.0060708	0.0650782	0.013677	0.008047	0.00724199	1.502218
5256	496863.09	3865377.25	0.0688	0.04872	0.04581	0.06134	0.09596	0.05712	0.051	0.04872	1.27007504	0.002072961	1.099E-07	0.0057166	0.0796137	0.014217	0.008328	0.00763205	1.372391
5257	497363.09	3865377.25	0.08066	0.05146	0.05428	0.05788	0.09122	0.0598	0.0591	0.05146	1.4890153	0.002189544	1.302E-07	0.0053942	0.0756812	0.014884	0.009644	0.00806127	1.588747
5258	497863.09	3865377.25	0.07271	0.04892	0.04922	0.04971	0.06727	0.06614	0.0516	0.04892	1.34225518	0.002081471	1.18E-07	0.0046328	0.0558109	0.016462	0.008416	0.00766338	1.421995
5259	498363.09	3865377.25	0.09021	0.05335	0.03372	0.04835	0.0636	0.06387	0.0495	0.05335	1.66531206	0.00226996	8.087E-08	0.004506	0.0527661	0.015897	0.008077	0.00835734	1.74047
5260	471363.09	3865877.25	0.04608	0.02527	0.02882	0.03134	0.05817	0.03744	0.0247	0.02527	0.85065491	0.0010752	6.912E-08	0.0029208	0.0482611	0.009319	0.004033	0.00395858	0.912305
5261	471863.09	3865877.25	0.04686	0.02572	0.02917	0.03311	0.07084	0.03664	0.025	0.02572	0.86505402	0.001094346	6.996E-08	0.0030857	0.0587728	0.00912	0.004087	0.00402907	0.937185
5262	472363.09	3865877.25	0.04542	0.02622	0.03382	0.03621	0.08051	0.038	0.026	0.02622	0.83847105	0.001115621	8.111E-08	0.0033746	0.0667956	0.009458	0.004241	0.00410739	0.919348
5263	472863.09	3865877.25	0.04712	0.02767	0.03291	0.04004	0.09764	0.0388	0.0272	0.02767	0.86985372	0.001177316	7.893E-08	0.0037316	0.0810075	0.009657	0.00444	0.00433454	0.965533
5264	473363.09	3865877.25	0.04942	0.02834	0.03313	0.0402	0.09269	0.0382	0.0275	0.02834	0.91231262	0.001205823	7.946E-08	0.0037465	0.0769008	0.009508	0.004494	0.0044395	1.003728
5265	473863.09	3865877.25	0.05017	0.02838	0.03032	0.03624	0.11021	0.03751	0.0284	0.02838	0.92615792	0.001207525	7.272E-08	0.0033774	0.0914363	0.009336	0.004636	0.00444576	1.031705
5266	474363.09	3865877.25	0.05054	0.02872	0.0325	0.03596	0.11161	0.03929	0.0284	0.02872	0.93298826	0.001221992	7.795E-08	0.0033513	0.0925978	0.009779	0.004631	0.00449902	1.04007
5267	474863.09	3865877.25	0.05055	0.02898	0.03164	0.03397	0.08549	0.03953	0.029	0.02898	0.93317287	0.001233054	7.588E-08	0.0031659	0.0709272	0.009839	0.004735	0.00453975	1.018533
5268	475363.09	3865877.25	0.04698	0.02933	0.03472	0.03326	0.08193	0.04159	0.0294	0.02933	0.86726927	0.001247946	8.327E-08	0.0030997	0.0679737	0.010352	0.004794	0.00459458	0.950142
5269	475863.09	3865877.25	0.04495	0.02971	0.03844	0.0361	0.12224	0.04291	0.0298	0.02971	0.82979467	0.001264115	9.219E-08	0.0033644	0.1014171	0.01068	0.004856	0.00465411	0.946722
5270	476363.09	3865877.25	0.04911	0.02891	0.03916	0.0379	0.11518	0.04708	0.0293	0.02891	0.9065899	0.001230076	9.392E-08	0.0035321	0.0955597	0.011718	0.004779	0.00452879	1.01888
5271	476863.09	3865877.25	0.05046	0.02464	0.03582	0.04059	0.11445	0.04487	0.0247	0.02464	0.93151143	0.001048394	8.591E-08	0.0037828	0.0949541	0.011168	0.004032	0.00385989	1.042637
5272	477363.09	3865877.25	0.04847	0.03056	0.03735	0.04165	0.12157	0.04898	0.0309	0.03056	0.89477525	0.001300281	8.958E-08	0.0038816	0.1008612	0.012191	0.005036	0.00478726	1.013258
5273	477863.09	3865877.25	0.04846	0.03148	0.04312	0.04585	0.10178	0.04492	0.0311	0.03148	0.89459065	0.001339425	1.034E-07	0.004273	0.0844423	0.01118	0.005075	0.00493138	0.995969
5274	478363.09	3865877.25	0.04629	0.03149	0.04639	0.0487	0.11191	0.04192	0.0317	0.03149	0.85453159	0.001339851	1.113E-07	0.0045386	0.0928467	0.010434	0.005166	0.00493295	0.963924
5275	478863.09	3865877.25	0.05007	0.03187	0.0403	0.04638	0.07952	0.04347	0.0319	0.03187	0.92431188	0.001356019	9.665E-08	0.0043224	0.0659742	0.01082	0.005209	0.00499247	1.007
5276	479363.09	3865877.25	0.04775	0.03346	0.04186	0.04519	0.05525	0.04403	0.0311	0.03346	0.88148377	0.001423671	1.004E-07	0.0042115	0.0458385	0.010959	0.00508	0.00524155	0.943755
5277	479863.09	3865877.25	0.04352	0.03119	0.04886	0.0524	0.07826	0.04214	0.0295	0.03119	0.80339631	0.001327086	1.172E-07	0.0048835	0.0649288	0.010489	0.00482	0.00488595	0.884958
5278	480363.09	3865877.25	0.04209	0.02935	0.03634	0.04894	0.07699	0.03947	0.0281	0.02935	0.77699794	0.001248797	8.716E-08	0.004561	0.0638752	0.009824	0.00458	0.00459771	0.856489
5279	480863.09	3865877.25	0.04303	0.02792	0.04018	0.04613	0.07247	0.03766	0.0267	0.02792	0.79435071	0.001187953	9.637E-08	0.0042991	0.0601251	0.009373	0.004365	0.0043737	0.869327
5280	481363.09	3865877.25	0.04465	0.02717	0.04202	0.04488	0.08531	0.03715	0.0271	0.02717	0.82425655	0.001156042	1.008E-07	0.0041826	0.0707779	0.009247	0.004422	0.00425621	0.909785
5281	481863.09	3865877.25	0.04269	0.02853	0.04736	0.04944	0.11517	0.03854	0.0285	0.02853	0.78807418	0.001213907	1.136E-07	0.0046076	0.0955514	0.009592	0.004645	0.00446926	0.899216
5282	482363.09	3865877.25	0.04123	0.03006	0.0606	0.05151	0.13426	0.0391	0.03	0.03006	0.76112201	0.001279007	1.453E-07	0.0048005	0.1113895	0.009732	0.004897	0.00470894	0.888511
5283	482863.09	3865877.25	0.04078	0.02917	0.05593	0.04373	0.12847	0.04201	0.0294	0.02917	0.75281483	0.001241139	1.341E-07	0.0040755	0.1065858	0.010456	0.004791	0.00456952	0.875395
5284	483363.09	3865877.25	0.04159	0.03028	0.05619	0.0409	0.11021	0.04229	0.0305	0.03028	0.76776775	0.001288367	1.348E-07	0.0038117	0.0914363	0.010526	0.004974	0.0047434	0.87506
5285	483863.09	3865877.25	0.04154	0.03125	0.05059	0.04539	0.08116	0.04564	0.0315	0.03125	0.76684473	0.001329639	1.213E-07	0.0042302	0.0673348	0.01136	0.005137	0.00489535	0.851341
5286	484363.09	3865877.25	0.04231	0.03216	0.03732	0.04675	0.05895	0.04241	0.0324	0.03216	0.78105923	0.001368358	8.951E-08	0.0043569	0.0489082	0.010556	0.005284	0.0050379	0.846494
5287	484863.09	3865877.25	0.04068	0.03274	0.03618	0.058	0.04878	0.04329	0.0329	0.03274	0.75096879	0.001393037	8.677E-08	0.0054054	0.0404706	0.010775	0.005373	0.00512876	0.809257
5288	485363.09	3865877.25	0.04275	0.03333	0.04452	0.06069	0.02341	0.04603	0.033	0.03333	0.7891818	0.00141814	1.068E-07	0.0056561	0.0194222	0.011457	0.005383	0.00522119	0.827297
5289	485863.09	3865877.25	0.04756	0.03426	0.06288	0.06995	0.04053	0.05332	0.0339	0.03426	0.87797629	0.00145771	1.508E-07	0.0065191	0.0336259	0.013271	0.005538	0.00536687	0.933022
5290	486363.09	3865877.25	0.04645	0.03297	0.0625	0.07569	0.04511	0.05743	0.033	0.03297	0.85748526	0.001402823	1.499E-07	0.007054	0.0374258	0.014294	0.00539	0.00516479	0.917887
5291	486863.09	3865877.25	0.03652	0.0311	0.05697	0.06989	0.08511	0.05282	0.0311	0.0311	0.67417355	0.001323257	1.366E-07	0.0065135	0.070612	0.013147	0.005072	0.00487185	0.765969
5292	487363.09	3865877.25	0.03766	0.03256	0.03393	0.08512	0.11644	0.05209	0.0328	0.03256	0.6952184	0.001385378	8.138E-08	0.0079328	0.0966051	0.012965	0.005357	0.00510056	0.814363
5293	487863.09	3865877.25	0.04216	0.03353	0.03061	0.07544	0.07386	0.05056	0.0345	0.03353	0.77829017	0.00142665	7.341E-08	0.0070307	0.0612783	0.012584	0.005623	0.00525252	0.860981
5294	488363.09	3865877.25	0.03818	0.0343	0.026	0.06903	0.03897	0.03964	0.0351	0.0343	0.70481781	0.001459412	6.236E-08	0.0064333	0.0323317	0.009866	0.005723	0.00537314	0.755258
5295	488863.09	3865877.25	0.03577	0.03461	0.05495	0.05057	0.03512	0.03146	0.0349	0.03461	0.66032826	0.001472602	1.318E-07	0.0047129	0.0291375	0.00783	0.00569	0.0054217	0.70375
5296	489363.09	3865877.25	0.04784	0.0346	0.06689	0.06193	0.0242	0.02916	0.0347	0.0346	0.8831452	0.001472177	1.604E-07	0.0057716	0.0200777	0.007258	0.005661	0.00542013	0.917965
5297	489863.09	3865877.25	0.0595	0.03571	0.03634	0.03548	0.01528	0.03833	0.0318	0.03571	1.09839339	0.001519405	8.716E-08	0.0033066	0.0126771	0.00954	0.005186	0.00559401	1.125029

5298	490363.09	3865877.25	0.07109	0.03341	0.03074	0.0392	0.03327	0.05479	0.0324	0.03341	1.31234934	0.001421544	7.372E-08	0.0036533	0.0276026	0.013637	0.00528	0.00523372	1.358711
5299	490863.09	3865877.25	0.08541	0.02922	0.03149	0.05684	0.0396	0.07287	0.0266	0.02922	1.57670217	0.001243266	7.552E-08	0.0052973	0.0328544	0.018137	0.004334	0.00457735	1.633991
5300	491363.09	3865877.25	0.08647	0.02739	0.04338	0.0435	0.04443	0.05844	0.0276	0.02739	1.59627019	0.001165402	1.04E-07	0.004054	0.0368616	0.014546	0.004507	0.00429068	1.653113
5301	491863.09	3865877.25	0.08726	0.03849	0.03015	0.05291	0.08445	0.07014	0.0304	0.03849	1.6108539	0.00163769	7.231E-08	0.004931	0.0700644	0.017458	0.004967	0.00602951	1.703882
5302	492363.09	3865877.25	0.09405	0.03561	0.03129	0.06029	0.16498	0.0607	0.0338	0.03561	1.73619997	0.001515151	7.504E-08	0.0056188	0.1368765	0.015108	0.005514	0.00557835	1.895254
5303	492863.09	3865877.25	0.09537	0.02195	0.03097	0.03774	0.12421	0.0395	0.0278	0.02195	1.76056768	0.000933939	7.428E-08	0.0035172	0.1030515	0.009831	0.004533	0.00343849	1.878996
5304	493363.09	3865877.25	0.0752	0.02144	0.02889	0.04109	0.1016	0.03837	0.0274	0.02144	1.38822156	0.000912239	6.929E-08	0.0038294	0.084293	0.00955	0.004479	0.0033586	1.487927
5305	493863.09	3865877.25	0.06461	0.02551	0.02736	0.04638	0.11621	0.04355	0.0277	0.02551	1.19272599	0.001085411	6.562E-08	0.0043224	0.0964142	0.010839	0.004528	0.00399617	1.305919
5306	494363.09	3865877.25	0.07172	0.03045	0.04541	0.05488	0.10063	0.04265	0.0314	0.03045	1.32397939	0.001295601	1.089E-07	0.0051146	0.0834882	0.010615	0.005124	0.00477003	1.424847
5307	494863.09	3865877.25	0.07356	0.03607	0.04571	0.05969	0.08412	0.05173	0.0353	0.03607	1.35794651	0.001534723	1.096E-07	0.0055629	0.0697906	0.012875	0.005769	0.00565041	1.447828
5308	495363.09	3865877.25	0.07794	0.04462	0.04771	0.05303	0.05627	0.06147	0.0363	0.04462	1.43880303	0.001898512	1.144E-07	0.0049422	0.0466847	0.0153	0.00592	0.00698978	1.506559
5309	495863.09	3865877.25	0.06643	0.04411	0.05413	0.05337	0.07341	0.04994	0.0339	0.04411	1.22632391	0.001876812	1.298E-07	0.0049739	0.060905	0.01243	0.005535	0.00690989	1.305135
5310	496363.09	3865877.25	0.07521	0.04812	0.05077	0.0455	0.0649	0.04684	0.046	0.04812	1.38840616	0.002047432	1.218E-07	0.0042404	0.0538446	0.011658	0.00751	0.00753806	1.460169
5311	496863.09	3865877.25	0.07663	0.04677	0.04176	0.06371	0.08781	0.04397	0.0506	0.04677	1.41461992	0.001989991	1.002E-07	0.0059375	0.072852	0.010944	0.008263	0.00732658	1.50728
5312	497363.09	3865877.25	0.06151	0.04497	0.04216	0.05828	0.09581	0.04861	0.0477	0.04497	1.13549878	0.001913404	1.011E-07	0.0054315	0.0794893	0.012099	0.007789	0.00704461	1.235177
5313	497863.09	3865877.25	0.06715	0.04643	0.04852	0.05915	0.07732	0.04988	0.0544	0.04643	1.23961539	0.001975525	1.164E-07	0.0055125	0.064149	0.012415	0.008886	0.00727332	1.32528
5314	498363.09	3865877.25	0.07888	0.04364	0.04605	0.04853	0.06631	0.05512	0.0413	0.04364	1.4561558	0.001856815	1.104E-07	0.0045228	0.0550144	0.013719	0.006748	0.00683626	1.531181
5315	471363.09	3866377.25	0.04498	0.02579	0.0279	0.03457	0.07483	0.03618	0.0258	0.02579	0.83034848	0.001097325	6.691E-08	0.0032218	0.0620831	0.009005	0.004213	0.00404003	0.905929
5316	471863.09	3866377.25	0.04334	0.02575	0.03333	0.03761	0.0904	0.03692	0.0259	0.02575	0.80007343	0.001095623	7.994E-08	0.0035051	0.0750008	0.009189	0.004231	0.00403377	0.889061
5317	472363.09	3866377.25	0.04617	0.02631	0.03123	0.03864	0.08603	0.03668	0.0262	0.02631	0.85231635	0.00111945	7.49E-08	0.0036011	0.0713752	0.00913	0.004283	0.00412149	0.937703
5318	472863.09	3866377.25	0.04737	0.02682	0.02923	0.03489	0.10325	0.03478	0.0265	0.02682	0.87446882	0.00114115	7.01E-08	0.0032516	0.0856619	0.008657	0.004322	0.00420139	0.973301
5319	473363.09	3866377.25	0.04827	0.02752	0.03145	0.03359	0.11003	0.03436	0.0263	0.02752	0.89108317	0.001170934	7.543E-08	0.0031304	0.091287	0.008552	0.004299	0.00431104	0.995212
5320	473863.09	3866377.25	0.04788	0.02775	0.03112	0.03247	0.09155	0.03584	0.0259	0.02775	0.88388362	0.00118072	7.464E-08	0.0030261	0.0759549	0.00892	0.004228	0.00434707	0.972846
5321	474363.09	3866377.25	0.04826	0.02784	0.03136	0.03176	0.07641	0.03913	0.0262	0.02784	0.89089857	0.001184549	7.521E-08	0.0029599	0.063394	0.009739	0.004283	0.00436117	0.968098
5322	474863.09	3866377.25	0.0452	0.02795	0.03435	0.03358	0.08733	0.0412	0.0267	0.02795	0.83440977	0.001189229	8.238E-08	0.0031295	0.0724538	0.010255	0.004355	0.0043784	0.921413
5323	475363.09	3866377.25	0.04394	0.028	0.03275	0.0336	0.12636	0.04045	0.027	0.028	0.81114967	0.001191357	7.855E-08	0.0031314	0.1048353	0.010068	0.004407	0.00438623	0.930397
5324	475863.09	3866377.25	0.0466	0.02791	0.03135	0.03673	0.10068	0.03998	0.0272	0.02791	0.86025432	0.001187527	7.519E-08	0.0034231	0.0835297	0.009951	0.004446	0.00437214	0.95842
5325	476363.09	3866377.25	0.04748	0.02781	0.03655	0.03893	0.10787	0.04609	0.0275	0.02781	0.87649946	0.001183273	8.766E-08	0.0036281	0.0894949	0.011472	0.004482	0.00435647	0.982403
5326	476863.09	3866377.25	0.04896	0.02369	0.03799	0.04018	0.11446	0.04433	0.0234	0.02369	0.90382084	0.001007973	9.111E-08	0.0037446	0.0949624	0.011034	0.003813	0.00371107	1.014671
5327	477363.09	3866377.25	0.04975	0.02676	0.03668	0.04413	0.1028	0.04329	0.0266	0.02676	0.91840455	0.001138597	8.797E-08	0.0041127	0.0852886	0.010775	0.00434	0.00419199	1.019868
5328	477863.09	3866377.25	0.04581	0.02754	0.04094	0.04854	0.1077	0.04286	0.0269	0.02754	0.84567061	0.001171785	9.819E-08	0.0045237	0.0893539	0.010668	0.004384	0.00431417	0.951458
5329	478363.09	3866377.25	0.04751	0.02751	0.0386	0.0427	0.07406	0.04164	0.026	0.02751	0.87705327	0.001170508	9.258E-08	0.0039795	0.0614443	0.010364	0.004249	0.00430948	0.953951
5330	478863.09	3866377.25	0.04343	0.02711	0.03906	0.04641	0.04867	0.03938	0.0249	0.02711	0.80173487	0.001153489	9.368E-08	0.0043252	0.0403793	0.009802	0.004056	0.00424681	0.857204
5331	479363.09	3866377.25	0.03897	0.02501	0.04369	0.04542	0.06941	0.03875	0.0239	0.02501	0.71940152	0.001064137	1.048E-07	0.004233	0.0575864	0.009645	0.003904	0.00391785	0.791916
5332	479863.09	3866377.25	0.04085	0.02569	0.04413	0.04598	0.07391	0.03678	0.0256	0.02569	0.75410706	0.00109307	1.058E-07	0.0042851	0.0613198	0.009154	0.004182	0.00402437	0.830117
5333	480363.09	3866377.25	0.04183	0.02669	0.03542	0.04237	0.07197	0.03298	0.0268	0.02669	0.77219824	0.001135618	8.495E-08	0.0039487	0.0597103	0.008209	0.004366	0.00418102	0.845387
5334	480863.09	3866377.25	0.04157	0.02625	0.03129	0.04273	0.07198	0.03213	0.0264	0.02625	0.76739854	0.001116897	7.504E-08	0.0039823	0.0597186	0.007997	0.004306	0.00411209	0.840407
5335	481363.09	3866377.25	0.04113	0.02713	0.04467	0.0479	0.08498	0.03528	0.0273	0.02713	0.75927597	0.00115434	1.071E-07	0.0044641	0.0705041	0.008781	0.004456	0.00424995	0.844386
5336	481863.09	3866377.25	0.0371	0.02763	0.04921	0.04773	0.11818	0.03548	0.0278	0.02763	0.68488058	0.001175614	1.18E-07	0.0044482	0.0980487	0.008831	0.004536	0.00432827	0.797592
5337	482363.09	3866377.25	0.03714	0.02832	0.05215	0.04081	0.14289	0.03941	0.0285	0.02832	0.685619	0.001204972	1.251E-07	0.0038033	0.1185495	0.009809	0.00465	0.00443636	0.8192
5338	482863.09	3866377.25	0.03957	0.02897	0.04729	0.03763	0.13008	0.03986	0.0292	0.02897	0.73047775	0.001232629	1.134E-07	0.003507	0.1079216	0.009921	0.004758	0.00453819	0.85328
5339	483363.09	3866377.25	0.04065	0.0289	0.04969	0.04204	0.09227	0.03981	0.0291	0.0289	0.75041498	0.00122965	1.192E-07	0.003918	0.0765523	0.009909	0.004745	0.00452722	0.842241
5340	483863.09	3866377.25	0.03996	0.0288	0.04183	0.04458	0.0627	0.04063	0.0286	0.0288	0.73767731	0.001225396	1.003E-07	0.0041547	0.0520194	0.010113	0.004675	0.00451156	0.805353
5341	484363.09	3866377.25	0.03945	0.02989	0.03281	0.05065	0.06767	0.03957	0.0297	0.02989	0.72826251	0.001271773	7.869E-08	0.0047204	0.0561428	0.009849	0.004845	0.0046823	0.800409
5342	484863.09	3866377.25	0.03921	0.02813	0.04648	0.05379	0.0369	0.04208	0.0281	0.02813	0.72383201	0.001196888	1.115E-07	0.005013	0.0306143	0.010474	0.004587	0.0044066	0.77131
5343	485363.09	3866377.25	0.0407	0.02713	0.04099	0.06031	0.02529	0.04331	0.0272	0.02713	0.751338	0.00115434	9.831E-08	0.0056206	0.020982	0.01078	0.00444	0.00424995	0.790065
5344	485863.09	3866377.25	0.04604	0.02836	0.0406	0.0683	0.03583	0.05052	0.0284	0.02836	0.8499165	0.001206674	9.737E-08	0.0063653	0.0297266	0.012574	0.004639	0.00444263	0.899986
5345	486363.09	3866377.25	0.04	0.02993	0.05689	0.06745	0.03684	0.04882	0.03	0.02993	0.73841572	0.001273475	1.364E-07	0.0062861	0.0305645	0.012151	0.004895	0.00468857	0.788898
5346	486863.09	3866377.25	0.03339	0.03061	0.04754	0.06753	0.08692	0.04634	0.0313	0.03061	0.61639252	0.001302408	1.14E-07	0.0062935	0.0721136	0.011534	0.005112	0.00479509	0.707953
5347	487363.09	3866377.25	0.03738	0.03184	0.02833	0.0765	0.11559	0.04416	0.0327	0.03184	0.69004949	0.001354743	6.794E-08	0.0071295	0.0958999	0.010991	0.005341	0.00498777	0.805778
5348	487863.09	3866377.25	0.04153	0.03119	0.03318	0.05803	0.07371	0.0401	0.0322	0.03119	0.76666012	0.001327086	7.958E-08	0.0054082	0.0611539	0.009981	0.005262	0.00488595	0.844907
5349	488363.09	3866377.25	0.03671	0.02788	0.02751	0.07062	0.03905	0.03511	0.028	0.02788	0.67768103	0.001186251	6.598E-08	0.0065815	0.032398	0.008739	0.004569	0.00436744	0.726787
5350	488863.09	3866377.25	0.03746	0.02588	0.04026	0.04356	0.0349	0.0286	0.0262	0.02588	0.69152632	0.001101154	9.656E-08	0.0040596	0.028955	0.007118	0.004283	0.00405413	0.73299
5351	489363.09	3866377.25	0.04157	0.02851	0.06923	0.04993	0.02812	0.02621	0.026	0.02851	0.76739854	0.001213057	1.66E-07	0.0046533	0.0233299	0.006524	0.004246	0.00446613	0.802898
5352	489863.09	3866377.25	0.05851	0.03246	0.03775	0.03434	0.01589	0.03322	0.025	0.03246	1.0801176	0.001381123	9.054E-08	0.0032003	0.0131832	0.008268	0.004084	0.0050849	1.10515
5353	490363.09	3866377.25	0.06239	0.03239	0.0271	0.02893	0.02118	0.04414	0.0286	0.03239	1.15174392	0.001378145	6.499E-08	0.0026962	0.0175721	0.010986	0.004665	0.00507393	1.183968
5354	490863.09	3866377.25	0.07031	0.03237	0.02265	0.0499	0.02614	0.05865	0.0281	0.03237	1.29795023	0.001377294	5.432E-08	0.0046505	0.0216872	0.014598	0.004587	0.0050708	1.339779

5355	491363.09	3866377.25	0.07787	0.02832	0.03009	0.04918	0.03394	0.06653	0.028	0.02832	1.43751081	0.001204972	7.217E-08	0.0045834	0.0281585	0.016559	0.004575	0.00443636	1.488156
5356	491863.09	3866377.25	0.09291	0.0297	0.03342	0.04259	0.04819	0.04984	0.0246	0.0297	1.71515512	0.001263689	8.015E-08	0.0039692	0.0399811	0.012405	0.00402	0.00465254	1.772142
5357	492363.09	3866377.25	0.07862	0.03841	0.02696	0.0499	0.11131	0.06574	0.0329	0.03841	1.4513561	0.001634286	6.466E-08	0.0046505	0.0923489	0.016362	0.00537	0.00601697	1.565706
5358	492863.09	3866377.25	0.09052	0.02716	0.02885	0.04862	0.14067	0.05095	0.0287	0.02716	1.67103478	0.001155616	6.919E-08	0.0045312	0.1167076	0.012681	0.004688	0.00425465	1.806544
5359	493363.09	3866377.25	0.08318	0.02346	0.03667	0.03859	0.12665	0.04714	0.0253	0.02346	1.53553549	0.000998187	8.795E-08	0.0035964	0.1050759	0.011733	0.004125	0.00367504	1.657389
5360	493863.09	3866377.25	0.07932	0.02402	0.02837	0.04941	0.09826	0.04704	0.0288	0.02402	1.46427838	0.001022014	6.804E-08	0.0046048	0.0815219	0.011708	0.004698	0.00376276	1.56407
5361	494363.09	3866377.25	0.06124	0.03037	0.0324	0.05468	0.11828	0.04299	0.0312	0.03037	1.13051447	0.001292197	7.771E-08	0.0050959	0.0981316	0.0107	0.005093	0.0047575	1.24607
5362	494863.09	3866377.25	0.06587	0.02959	0.04677	0.05394	0.08725	0.04263	0.0304	0.02959	1.21598609	0.001259009	1.122E-07	0.005027	0.0723874	0.01061	0.004961	0.00463531	1.305595
5363	495363.09	3866377.25	0.0695	0.0329	0.04388	0.05368	0.07534	0.05063	0.0331	0.0329	1.28299732	0.001399844	1.052E-07	0.0050028	0.0625062	0.012602	0.0054	0.00515383	1.364754
5364	495863.09	3866377.25	0.07265	0.03393	0.0427	0.04828	0.04844	0.04789	0.0304	0.03393	1.34114755	0.001443669	1.024E-07	0.0044995	0.0401885	0.01192	0.004954	0.00531518	1.398838
5365	496363.09	3866377.25	0.06613	0.04024	0.05107	0.04922	0.0457	0.04282	0.0309	0.04024	1.22078579	0.00171215	1.225E-07	0.0045871	0.0379152	0.010658	0.005041	0.00630365	1.274395
5366	496863.09	3866377.25	0.06978	0.0419	0.04108	0.04008	0.05559	0.04161	0.0404	0.0419	1.28816623	0.00178278	9.852E-08	0.0037353	0.0461205	0.010357	0.00659	0.00656369	1.350187
5367	497363.09	3866377.25	0.06397	0.04132	0.03835	0.06033	0.06995	0.04221	0.0485	0.04132	1.18091134	0.001758102	9.198E-08	0.0056225	0.0580344	0.010506	0.00791	0.00647283	1.25827
5368	497863.09	3866377.25	0.06199	0.04099	0.04099	0.0567	0.08882	0.04693	0.0467	0.04099	1.14435976	0.001744061	9.831E-08	0.0052842	0.07369	0.011681	0.007615	0.00642113	1.237952
5369	498363.09	3866377.25	0.05294	0.04227	0.03472	0.04306	0.07305	0.04123	0.0423	0.04227	0.97729321	0.001798523	8.327E-08	0.004013	0.0606063	0.010262	0.006898	0.00662165	1.05425
5370	474494.92	3848334.16	0.07087	1.26131	0.0118	0.01448	0.01904	0.01989	1.2701	1.26131	1.30828806	0.053666795	2.83E-08	0.0013495	0.0157966	0.004951	0.207315	0.19758575	1.393781
5371	475167.27	3848920.79	0.13982	1.44559	0.01543	0.01605	0.02272	0.02077	1.4533	1.44559	2.58113216	0.061507625	3.701E-08	0.0014958	0.0188498	0.00517	0.237223	0.22645343	2.678925
5372	475297.89	3848997.96	0.15292	1.09748	0.01527	0.0166	0.02311	0.02095	1.1126	1.09748	2.8229633	0.046696081	3.662E-08	0.0015471	0.0191733	0.005214	0.181602	0.17192158	2.905274
5373	475439.05	3849062	0.16993	1.2182	0.01473	0.01774	0.02355	0.02109	1.2316	1.2182	3.13697459	0.051832531	3.533E-08	0.0016533	0.0195384	0.005249	0.201039	0.19083251	3.225454
5374	475486.86	3849061.09	0.16331	0.98028	0.01333	0.01724	0.02278	0.02112	0.9896	0.98028	3.01476679	0.041709402	3.197E-08	0.0016067	0.0188995	0.005257	0.161528	0.15356206	3.090205
5375	475538.46	3849075.56	0.16269	0.97798	0.01349	0.01701	0.02239	0.02117	0.9868	0.97798	3.00332134	0.041611541	3.235E-08	0.0015853	0.018576	0.005269	0.161067	0.15320176	3.078229
5376	475751.79	3849137.15	0.15328	1.4473	0.01287	0.01623	0.02084	0.02242	1.4712	1.4473	2.82960905	0.061580383	3.087E-08	0.0015126	0.01729	0.00558	0.240149	0.22672131	2.929
5377	476303.62	3849223.38	0.11093	1.35872	0.01631	0.01736	0.02031	0.02341	1.3657	1.35872	2.0478114	0.05781144	3.912E-08	0.0016179	0.0168503	0.005827	0.222915	0.21284514	2.139987
5378	476304.51	3849238.92	0.14028	1.81745	0.01626	0.01722	0.02031	0.02343	1.827	1.81745	2.58962394	0.077329694	3.9E-08	0.0016048	0.0168503	0.005832	0.298215	0.28470576	2.70475
5379	476365.04	3849247.98	0.12359	1.65315	0.01651	0.01767	0.02037	0.02349	1.6717	1.65315	2.28151998	0.070338983	3.96E-08	0.0016468	0.0169001	0.005847	0.272869	0.25896796	2.390154
5380	476444.86	3849267.13	0.11107	1.65347	0.01682	0.01813	0.0204	0.02352	1.6748	1.65347	2.05039586	0.070352598	4.034E-08	0.0016896	0.016925	0.005854	0.27338	0.25901809	2.159579
5381	476550.75	3849300.66	0.10458	1.94549	0.0172	0.01818	0.02056	0.02363	2.008	1.94549	1.9305879	0.082777599	4.125E-08	0.0016943	0.0170577	0.005881	0.32777	0.30476338	2.061005
5382	476656.71	3849346.88	0.11652	1.7258	0.01755	0.01896	0.02116	0.02373	1.7568	1.7258	2.151005	0.073430128	4.209E-08	0.001767	0.0175555	0.005906	0.28676	0.27034867	2.266075
5383	476873.55	3849454.53	0.15492	1.74004	0.01865	0.02033	0.02225	0.02275	1.7644	1.74004	2.85988409	0.074036018	4.473E-08	0.0018947	0.0184598	0.005662	0.288002	0.27257938	2.97536
5384	477700	3849859.7	0.1695	1.83419	0.02118	0.02425	0.03145	0.02221	1.8123	1.83419	3.12903662	0.078041956	5.08E-08	0.00226	0.0260927	0.005528	0.295824	0.2873281	3.249455
5385	477743.16	3849856.38	0.15424	1.28116	0.02138	0.02461	0.03195	0.02224	1.278	1.28116	2.84733102	0.054511382	5.128E-08	0.0022936	0.0265075	0.005535	0.208601	0.20069527	2.944085
5386	478477.35	3850216.33	0.18325	1.32775	0.02241	0.0277	0.03585	0.02385	1.3052	1.32775	3.38286703	0.056493715	5.375E-08	0.0025815	0.0297431	0.005936	0.213048	0.20799365	3.482676
5387	478485.8	3850201.6	0.16698	1.07526	0.02217	0.02781	0.03606	0.0237	1.0559	1.07526	3.08251643	0.045750655	5.317E-08	0.0025918	0.0299174	0.005899	0.172358	0.16844079	3.170592
5388	479113.21	3850501.53	0.23225	0.97715	0.01929	0.02996	0.03924	0.02755	0.9601	0.97715	4.28742628	0.041576225	4.626E-08	0.0027921	0.0325557	0.006857	0.156719	0.15307174	4.374855
5389	479108.11	3850382.28	0.1603	0.5141	0.01883	0.0294	0.03945	0.02679	0.5124	0.5141	2.959201	0.021874162	4.516E-08	0.00274	0.0327299	0.006668	0.083635	0.08053439	3.026314
5390	479689.85	3850674.28	0.23536	0.54806	0.02398	0.02497	0.04823	0.02579	0.5436	0.54806	4.34483811	0.023319108	5.751E-08	0.0023271	0.0400143	0.006419	0.088728	0.08585427	4.419791
5391	479952.42	3850774.28	0.20966	0.47329	0.02521	0.02474	0.04734	0.02802	0.4705	0.47329	3.87040601	0.02013776	6.046E-08	0.0023057	0.0392759	0.006974	0.076804	0.07414145	3.941762
5392	479911.32	3850884.85	0.23259	0.96024	0.02525	0.02763	0.04585	0.02605	0.9267	0.96024	4.29370282	0.040856731	6.056E-08	0.002575	0.0380397	0.006484	0.151264	0.15042277	4.382499
5393	480500.92	3851178.12	0.20392	0.959	0.02974	0.02921	0.04673	0.0375	0.9497	0.959	3.76444335	0.040803971	7.133E-08	0.0027223	0.0387698	0.009334	0.15502	0.15022852	3.860864
5394	480738.01	3851289.27	0.20578	0.90953	0.03169	0.03041	0.04888	0.04877	0.9133	0.90953	3.79877968	0.038699099	7.6E-08	0.0028341	0.0405536	0.012139	0.149082	0.14247898	3.899608
5395	481055.42	3851443.58	0.20702	0.89434	0.02699	0.03126	0.05199	0.04816	0.9135	0.89434	3.82167057	0.038052788	6.473E-08	0.0029133	0.0431338	0.011987	0.149111	0.14009945	3.926769
5396	481110.22	3851443.15	0.17057	0.75668	0.02751	0.03225	0.05286	0.04284	0.7732	0.75668	3.14878924	0.032195567	6.598E-08	0.0030056	0.0438556	0.010663	0.126207	0.11853484	3.246181
5397	481111.1	3851417.45	0.154	0.66216	0.02755	0.03264	0.05312	0.04084	0.6753	0.66216	2.84290053	0.028173887	6.607E-08	0.0030419	0.0440713	0.010165	0.110235	0.10372817	2.934859
5398	482248.44	3852605.09	0.19307	0.9728	0.04609	0.0571	0.06687	0.11212	0.9775	0.9728	3.56414809	0.04139114	1.105E-07	0.0053215	0.0554791	0.027906	0.159558	0.1523903	3.701413
5399	482273.34	3852632.31	0.1931	0.98596	0.04649	0.06058	0.06776	0.12008	0.9903	0.98596	3.5647019	0.041951077	1.115E-07	0.0056458	0.0562174	0.029888	0.161642	0.15445183	3.705594
5400	482665.46	3853038.72	0.24339	0.89861	0.11075	0.1073	0.07762	0.15529	0.9103	0.89861	4.49307506	0.03823447	2.656E-07	0.0099999	0.0643978	0.038651	0.148594	0.14076835	4.652184
5401	483077.95	3853844.31	0.39556	0.37836	0.20137	0.44207	0.07002	0.82285	0.5967	0.37836	7.30219307	0.016098634	4.83E-07	0.0411991	0.0580925	0.204805	0.0974	0.05927055	7.660518
5402	483121.38	3853909.38	0.44584	0.33532	0.20714	1.02406	0.07807	1.79781	0.5865	0.33532	8.23038163	0.014267349	4.968E-07	0.0954382	0.0647712	0.447469	0.095727	0.05252829	8.895526
5403	483492.64	3853911.49	0.37476	0.20158	0.10066	0.4198	0.10981	0.4455	0.2688	0.20158	6.9182169	0.008576918	2.414E-07	0.0391236	0.0911045	0.110883	0.043879	0.03157775	7.180207
5404	483498.29	3854204.73	0.47632	0.20668	0.12887	3.24883	0.09693	1.31507	0.5396	0.20668	8.79305441	0.008793915	3.091E-07	0.3027775	0.0804185	0.327316	0.088073	0.03237667	9.568058
5405	484132.44	3854662.55	0.5938	0.08726	0.53835	3.48873	0.10724	1.01401	0.8413	0.08726	10.9617814	0.003712778	1.291E-06	0.3251352	0.0889722	0.252384	0.137321	0.01366939	11.75564
5406	484627.62	3854876.13	0.60123	0.10798	0.43821	4.43076	0.17188	0.83747	0.8177	0.10798	11.0989421	0.004594382	1.051E-06	0.4129285	0.1426012	0.208443	0.133472	0.0169152	11.98407
5407	484756.14	3854949.04	0.58889	0.11533	0.39064	3.76045	0.19194	0.91407	0.8705	0.11533	10.8711409	0.004907114	9.369E-07	0.3504584	0.159244	0.227509	0.142094	0.01806658	11.73729
5408	486697.51	3856599.17	0.62168	0.09673	0.34617	2.80513	1.64458	0.72447	0.41	0.09673	11.4764571	0.004115712	8.302E-07	0.2614265	1.3644346	0.180318	0.066916	0.01515287	13.33852
5409	487105.31	3856962.27	0.63161	0.11883	0.30816	3.03269	9.50724	0.8038	0.3776	0.11883	11.6597689	0.005056033	7.391E-07	0.2826342	7.8877326	0.200063	0.061642	0.01861486	20.07828
5410	487157.57	3856901.7	0.5514	0.11458	0.27641	1.23642	8.94267	0.58657	0.3154	0.11458	10.1790607	0.004875202	6.629E-07	0.1152292	7.419334	0.145995	0.051477	0.0179491	17.89802
5411	487173.5	3856853.74	0.52211	0.11141	0.30576	0.94607	7.0506	0.51521	0.2987	0.11141	9.63835581	0.004740324	7.333E-07	0.0881698	5.849568	0.128234	0.048761	0.01745251	15.74038

5412	487564.41	3856860.83	0.40792	0.10556	0.27422	0.4891	7.44535	0.32002	0.213	0.10556	7.53036353	0.004491415	6.577E-07	0.0455821	6.1770745	0.079652	0.03476	0.0165361	13.85539
5413	487563.31	3856931.58	0.41879	0.11063	0.28251	0.52004	8.99969	0.35489	0.2267	0.11063	7.731028	0.004707136	6.776E-07	0.0484656	7.466641	0.088331	0.036999	0.01733032	15.35884
5414	487782.7	3856926.85	0.3742	0.10617	0.24608	0.40634	8.26268	0.29091	0.1967	0.10617	6.90787908	0.00451737	5.902E-07	0.0378692	6.8551767	0.072407	0.032114	0.01663166	13.89333
5415	487782.39	3856757.07	0.35527	0.09527	0.26501	0.35301	5.81744	0.24044	0.1763	0.09527	6.55842384	0.004053592	6.356E-07	0.0328991	4.8264702	0.059845	0.028776	0.01492416	11.49554
5416	487917.26	3856752.41	0.33335	0.09284	0.25375	0.31225	5.05653	0.22186	0.1654	0.09284	6.15377202	0.003950199	6.086E-07	0.0291004	4.1951772	0.05522	0.026998	0.0145435	10.44968
5417	487919.57	3856953.35	0.35764	0.10548	0.25515	0.38197	8.71633	0.26637	0.183	0.10548	6.60217497	0.004488011	6.119E-07	0.035598	7.2315498	0.066299	0.029876	0.01652357	13.95346
5418	487932.76	3857000.32	0.36207	0.1073	0.26416	0.39764	9.5801	0.27786	0.1864	0.1073	6.68395451	0.00456545	6.335E-07	0.0370584	7.9481812	0.069158	0.030432	0.01680868	14.75654
5419	487960.5	3857044.75	0.36357	0.10819	0.24861	0.40483	9.74065	0.289	0.1886	0.10819	6.7116451	0.004603318	5.963E-07	0.0377285	8.0813824	0.071931	0.030785	0.0169481	14.92113
5420	488016.54	3857089.54	0.36094	0.1086	0.22736	0.401	9.65374	0.28768	0.186	0.1086	6.66309427	0.004620762	5.453E-07	0.0373715	8.0092771	0.071603	0.030359	0.01701232	14.79931
5421	488114.39	3857165.47	0.35501	0.10932	0.32566	0.3934	8.94909	0.28534	0.1862	0.10932	6.55362413	0.004651397	7.81E-07	0.0366633	7.4246604	0.07102	0.030387	0.01712511	14.10388
5422	488171.49	3857234.24	0.35341	0.11429	0.30088	0.39923	8.60724	0.30265	0.1911	0.11429	6.52408751	0.004862863	7.216E-07	0.0372066	7.1410427	0.075329	0.0312	0.01790367	13.79582
5423	488193.16	3857297.8	0.35702	0.11932	0.2588	0.43361	8.48817	0.3236	0.199	0.11932	6.59072952	0.005076882	6.207E-07	0.0404107	7.0422557	0.080543	0.032484	0.01869162	13.77281
5424	488189.27	3857649.94	0.4398	0.15414	0.53471	0.66866	6.9689	0.50074	0.2403	0.15414	8.11888086	0.006558419	1.282E-06	0.0623163	5.7817852	0.124632	0.039217	0.02414622	14.10925
5425	488127.43	3857732.32	0.50529	0.16413	0.77439	0.9553	5.59824	0.70719	0.2735	0.16413	9.327852	0.006983478	1.857E-06	0.08903	4.6446098	0.176017	0.044646	0.02571116	14.26343
5426	488149.93	3857752.94	0.5043	0.16495	0.99077	0.96594	5.06891	0.70765	0.2717	0.16495	9.30957621	0.007018368	2.376E-06	0.0900216	4.2054483	0.176132	0.044348	0.02583962	13.80671
5427	488144.76	3857758.71	0.51009	0.16618	0.98579	1.00204	5.04067	0.73087	0.2756	0.16618	9.41646189	0.007070703	2.364E-06	0.093386	4.1820188	0.181911	0.044984	0.0260323	13.8998
5428	488335.58	3857932.55	0.51028	0.18547	1.0037	1.04723	2.66578	0.83524	0.2765	0.18547	9.41996936	0.007891462	2.407E-06	0.0975975	2.2116786	0.207888	0.045128	0.0290541	11.9611
5429	488372.29	3857943.79	0.50138	0.18645	0.98433	0.97879	2.52052	0.79348	0.2708	0.18645	9.25567186	0.00793316	2.361E-06	0.0912192	2.0911629	0.197494	0.044197	0.02920762	11.65847
5430	488828.64	3857936.4	0.37712	0.15871	0.62804	0.51599	2.14039	0.49449	0.1954	0.15871	6.96178342	0.006752866	1.506E-06	0.0480881	1.775786	0.123077	0.0319	0.02486211	8.922526
5431	488829.08	3857959.58	0.38311	0.1631	0.59236	0.52589	2.10804	0.50494	0.1973	0.1631	7.07236118	0.006939653	1.421E-06	0.0490108	1.7489467	0.125678	0.032198	0.02554981	9.009586
5432	488351.61	3857964.55	0.52066	0.19062	0.99245	1.11543	2.55508	0.84724	0.2836	0.19062	9.61158824	0.008110587	2.38E-06	0.1039535	2.1198358	0.210875	0.046285	0.02986086	12.07079
5433	488316.87	3857947.65	0.52925	0.1885	1.04315	1.17996	2.68984	0.88363	0.2891	0.1885	9.77016302	0.008020384	2.502E-06	0.1099674	2.2316402	0.219933	0.047189	0.02952875	12.35739
5434	488129.1	3857775.77	0.52866	0.17036	1.09123	1.15107	4.6596	0.80438	0.2878	0.17036	9.75927139	0.007248555	2.617E-06	0.107275	3.8658621	0.200207	0.046969	0.0266871	13.96015
5435	488062.53	3857846.13	0.60572	0.1838	1.04071	3.40798	4.59685	1.47599	0.3609	0.1838	11.1818293	0.007820407	2.496E-06	0.3176096	3.8138012	0.367369	0.058904	0.02879249	15.71854
5436	488330.41	3858091.34	0.61635	0.2293	0.81498	3.35174	2.38523	1.4565	0.337	0.2293	11.3780633	0.009756361	1.955E-06	0.3123683	1.9789188	0.362518	0.055005	0.03592012	14.06071
5437	488470.87	3858174.45	0.62112	0.24062	0.69261	1.87708	2.08156	1.10825	0.3293	0.24062	11.4661193	0.01023801	1.661E-06	0.1749361	1.7269774	0.27584	0.053758	0.03769342	13.67018
5438	488568.9	3858262.31	0.65103	0.26232	0.65588	1.90581	1.81991	1.13302	0.3435	0.26232	12.0182697	0.011161311	1.573E-06	0.1776136	1.5098981	0.282005	0.056069	0.04109275	14.01393
5439	488964.27	3858025.71	0.42641	0.16712	0.56931	0.5133	1.8686	0.4724	0.1891	0.16712	7.8716962	0.007110698	1.365E-06	0.0478374	1.550294	0.117579	0.030858	0.02617955	9.599197
5440	489147.25	3857956.64	0.38863	0.14768	0.50935	0.4519	1.695	0.41019	0.1739	0.14768	7.17426255	0.006283556	1.222E-06	0.0421152	1.4062658	0.102095	0.028384	0.02313425	8.736273
5441	489343.52	3857932.45	0.39024	0.13364	0.52973	0.41098	1.86284	0.35601	0.1609	0.13364	7.20398378	0.005686176	1.27E-06	0.0383016	1.5455152	0.08861	0.026268	0.02093487	8.887431
5442	489866.19	3857923.19	0.36766	0.11438	0.37995	0.49029	1.62621	0.28241	0.1271	0.11438	6.78714811	0.004866693	9.112E-07	0.045693	1.3491938	0.070291	0.02075	0.01791777	8.260025
5443	489955.65	3857902.27	0.34907	0.10975	0.3621	0.4532	1.53215	0.27271	0.1219	0.10975	6.4439694	0.004669693	8.684E-07	0.0422364	1.2711564	0.067877	0.019889	0.01719247	7.832606
5444	490079.44	3857847.9	0.30624	0.10588	0.3508	0.40601	1.40178	0.25819	0.1164	0.10588	5.65331077	0.004505031	8.413E-07	0.0378385	1.1629943	0.064263	0.018995	0.01658623	6.925321
5445	490108.49	3857934.13	0.36202	0.10941	0.36323	0.48082	1.39987	0.26234	0.1195	0.10941	6.68303149	0.004655227	8.711E-07	0.0448104	1.1614096	0.065296	0.019509	0.01713921	7.961573
5446	489884.48	3858014.17	0.35591	0.11925	0.36129	0.53586	1.57633	0.29374	0.1336	0.11925	6.57023849	0.005073904	8.665E-07	0.0499399	1.3078106	0.073111	0.021799	0.01868066	8.009293
5447	489326.56	3858025.86	0.40396	0.14424	0.4938	0.46155	1.60347	0.37822	0.1657	0.14424	7.45726037	0.00613719	1.184E-06	0.0430146	1.3303275	0.094138	0.027045	0.02259537	8.935328
5448	489130.38	3858056.71	0.4199	0.15672	0.53136	0.50896	1.59413	0.42186	0.1782	0.15672	7.75151904	0.006668194	1.274E-06	0.047433	1.3225785	0.105	0.029086	0.02455038	9.237735
5449	488936.49	3858143.93	0.47293	0.18129	0.56322	0.6393	1.74491	0.55827	0.2048	0.18129	8.73047368	0.00771361	1.351E-06	0.0595801	1.4476739	0.138952	0.033423	0.0283993	10.38942
5450	488638.08	3858327.45	0.62468	0.2676	0.69513	1.93502	1.70329	1.13152	0.3471	0.2676	11.5318383	0.011385967	1.667E-06	0.1803359	1.4131437	0.281631	0.056655	0.04191987	13.43307
5451	488663.79	3858349.57	0.62466	0.26866	0.66068	1.9199	1.66072	1.11443	0.3472	0.26866	11.5314691	0.011431069	1.585E-06	0.1789267	1.3778252	0.277378	0.056676	0.04208592	13.39162
5452	488694.56	3858349.5	0.60041	0.26504	0.65655	1.59208	1.59206	1.0095	0.3301	0.26504	11.0838046	0.011277043	1.575E-06	0.1483753	1.3208611	0.251261	0.053888	0.04151884	12.82795
5453	488694.35	3858336.75	0.60444	0.26181	0.6707	1.4837	1.5827	0.98188	0.3227	0.26181	11.1582	0.011139612	1.609E-06	0.1382747	1.3130955	0.244387	0.052672	0.04101286	12.87676
5454	488712.81	3858336.38	0.58602	0.25864	0.65531	1.36718	1.53479	0.95375	0.3137	0.25864	10.8181595	0.011004733	1.572E-06	0.1274155	1.2733467	0.237385	0.05121	0.04051627	12.47801
5455	488713.23	3858367.46	0.58821	0.26577	0.65559	1.60739	1.56024	1.01922	0.3313	0.26577	10.8585878	0.011308104	1.572E-06	0.1498021	1.2944615	0.25368	0.054069	0.04163319	12.58028
5456	488704.63	3858384.05	0.60653	0.26851	0.65853	1.89405	1.59043	1.09019	0.3455	0.26851	11.1967822	0.011424686	1.579E-06	0.1765176	1.3195088	0.271345	0.0564	0.04206242	12.98992
5457	488604.15	3858488.29	0.63423	0.37073	0.61362	1.60351	1.34203	0.78895	0.5301	0.37073	11.7081351	0.01577399	1.472E-06	0.1494405	1.1134224	0.196367	0.086534	0.05807531	13.2116
5458	488605.66	3858550.47	0.65572	0.42666	0.53744	1.3079	1.35788	0.63629	0.6634	0.42666	12.1048489	0.018153725	1.289E-06	0.1218909	1.1265724	0.15837	0.108279	0.06683681	13.57128
5459	488692.68	3858548.71	0.58689	0.38257	0.53088	1.86136	1.26891	0.8753	0.5003	0.38257	10.8342201	0.016277763	1.273E-06	0.1734711	1.052758	0.217859	0.08166	0.05993006	12.31632
5460	488759.93	3858461.81	0.55332	0.29624	0.54602	2.44346	1.51947	1.29746	0.3584	0.29624	10.2145047	0.012604555	1.31E-06	0.2277204	1.2606364	0.322933	0.058508	0.04640636	12.0505
5461	488816.57	3858541.79	0.57264	0.32423	0.55824	3.47555	1.2976	1.54904	0.3728	0.32423	10.5711595	0.013795486	1.339E-06	0.3239069	1.0765608	0.385551	0.060845	0.05079102	12.38103
5462	488944.63	3858656.77	0.54364	0.36282	0.45176	3.38646	1.15551	1.58334	0.3846	0.36282	10.0358081	0.015437431	1.083E-06	0.3156041	0.9586751	0.394088	0.062778	0.05683619	11.72556
5463	489134.91	3858830.7	0.45887	0.41307	0.45772	4.19603	1.0081	1.54131	0.4295	0.41307	8.47092056	0.017575491	1.098E-06	0.3910526	0.8363756	0.383627	0.0701	0.06470792	10.10494
5464	489193.99	3858886.05	0.44727	0.43727	0.4064	5.14741	0.96955	1.56152	0.4534	0.43727	8.25678	0.018605164	9.747E-07	0.4797173	0.8043923	0.388657	0.074005	0.06849888	9.953659
5465	489295.2	3858954.34	0.43609	0.45498	0.42822	3.85513	0.84928	1.42539	0.4538	0.45498	8.0503928	0.019358697	1.027E-06	0.3592822	0.7046097	0.354775	0.074068	0.07127317	9.491214
5466	489295.64	3858992.74	0.46013	0.51174	0.47357	3.78167	0.87657	1.95658	0.5097	0.51174	8.49418065	0.021773748	1.136E-06	0.352436	0.727251	0.486986	0.083194	0.08016469	10.08566
5467	489183.74	3858911.72	0.4579	0.48231	0.44073	5.51744	0.93192	1.81493	0.5015	0.48231	8.45301397	0.020521547	1.057E-06	0.5142026	0.7731724	0.45173	0.081853	0.07555445	10.21894
5468	488873.37	3858625.59	0.59636	0.36808	0.46781	3.58364	1.19368	1.83615	0.4094	0.36808	11.00904	0.015661236	1.122E-06	0.3339804	0.990343	0.457012	0.066832	0.05766018	12.81521

5469	488842.84	3858658.69	0.61708	0.40584	0.50956	2.19867	1.20316	1.00385	0.4921	0.40584	11.3915393	0.017267866	1.222E-06	0.2049069	0.9982081	0.249855	0.080317	0.06357533	12.87852
5470	488856.39	3858670.93	0.59937	0.40912	0.52349	2.23472	1.19597	1.00939	0.4954	0.40912	11.0646058	0.017407425	1.256E-06	0.2082667	0.9922429	0.251234	0.080855	0.06408915	12.55052
5471	488805.7	3858724.5	0.6242	0.51467	0.49584	1.47791	1.11548	0.63027	0.6891	0.51467	11.5229773	0.021898415	1.189E-06	0.1377351	0.925464	0.156872	0.112481	0.08062368	12.79681
5472	488805.87	3858804.16	0.61689	0.72555	0.49838	1.19724	1.09952	0.53713	1.1525	0.72555	11.3880319	0.030871033	1.195E-06	0.1115778	0.9122227	0.13369	0.188118	0.11365829	12.65085
5473	488995.78	3858936.96	0.58076	0.84902	0.5856	1.43892	1.0148	0.59735	1.1672	0.84902	10.7210579	0.036124492	1.404E-06	0.1341014	0.8419343	0.148678	0.190512	0.13300002	11.93941
5474	489130.76	3859017.38	0.53905	0.88162	0.60996	1.91873	0.99746	0.66172	0.9985	0.88162	9.95107487	0.037511571	1.463E-06	0.1788177	0.827548	0.1647	0.16299	0.13810685	11.18454
5475	489130.92	3859052.24	0.56721	1.24893	0.6611	1.71188	0.9709	0.58178	1.4852	1.24893	10.4709195	0.053140045	1.586E-06	0.1595401	0.8055124	0.144803	0.242424	0.19564641	11.68069
5476	489200.33	3859090.6	0.55838	1.25356	0.6594	2.90125	0.95943	0.60709	1.3588	1.25356	10.3079143	0.053337045	1.581E-06	0.2703845	0.7959962	0.151103	0.22179	0.1963717	11.60415
5477	489296.07	3859143.7	0.53052	1.25424	0.73439	1.43534	0.90613	0.60741	1.316	1.25424	9.79360772	0.053365978	1.761E-06	0.1337677	0.7517756	0.151182	0.214814	0.19647822	10.90204
5478	489296.43	3858954.74	0.43584	0.45458	0.43268	3.81015	0.84694	1.41985	0.4532	0.45458	8.0457777	0.019341678	1.038E-06	0.3550902	0.7026683	0.353396	0.07398	0.07121051	9.479044
5479	489410.33	3859033.19	0.46766	0.47622	0.47639	3.39198	0.69771	1.47646	0.4651	0.47622	8.63318741	0.020262426	1.143E-06	0.3161185	0.5788588	0.367486	0.075911	0.07460044	9.917225
5480	489371.37	3859089.8	0.4861	0.63718	0.55598	2.16187	0.7888	1.07529	0.6042	0.63718	8.97359706	0.027111026	1.333E-06	0.2014773	0.6544321	0.267636	0.098621	0.09981502	10.12306
5481	489390.52	3859102.82	0.48697	0.64478	0.56179	2.13857	0.77467	1.07272	0.6099	0.64478	8.9896576	0.027434395	1.347E-06	0.1993059	0.6427091	0.266996	0.099556	0.10100557	10.12466
5482	489382.3	3859114.53	0.49235	0.6982	0.60478	1.90825	0.79358	0.9549	0.6573	0.6982	9.08897452	0.029707333	1.45E-06	0.177841	0.6583979	0.237671	0.107289	0.10937388	10.19051
5483	489363.04	3859102.45	0.48549	0.69277	0.57922	1.91251	0.81232	0.95081	0.6522	0.69277	8.96233622	0.029476295	1.389E-06	0.178238	0.6739456	0.236653	0.106453	0.10852326	10.07858
5484	489337.52	3859140.71	0.51356	0.95142	0.73479	1.47131	0.78877	0.68413	0.9674	0.95142	9.48051945	0.040481454	1.762E-06	0.13712	0.6544073	0.170278	0.157911	0.1490411	10.49168
5485	489375.14	3859164.55	0.51303	0.98645	0.80877	1.46388	0.79696	0.68688	0.9952	0.98645	9.47073544	0.041971926	1.94E-06	0.1364276	0.6612021	0.170962	0.162448	0.15452859	10.48922
5486	489409.3	3859114.5	0.48733	0.64893	0.57015	2.11799	0.78362	1.07962	0.6138	0.64893	8.99630334	0.027610971	1.367E-06	0.1973879	0.6501345	0.268714	0.100196	0.10165567	10.13869
5487	489434.87	3859131.81	0.47898	0.65886	0.62279	2.10804	0.7795	1.0841	0.624	0.65886	8.84215906	0.028033477	1.494E-06	0.1964606	0.6467163	0.269829	0.101855	0.10321122	9.981843
5488	489471.87	3859075.75	0.44856	0.48805	0.50898	3.54375	0.6726	1.53685	0.4768	0.48805	8.2805939	0.020765775	1.221E-06	0.3302628	0.5580262	0.382517	0.077834	0.07645363	9.573547
5489	489602.62	3859164.69	0.49091	0.51637	1.01927	3.04825	0.69422	1.60027	0.5055	0.51637	9.06239155	0.021970747	2.445E-06	0.2840843	0.5759633	0.398302	0.082509	0.08088999	10.34433
5490	489558.29	3859232.45	0.51873	0.78244	1.20676	1.78851	0.65657	0.96426	0.7428	0.78244	9.57595968	0.033291615	2.894E-06	0.1666817	0.5447268	0.240001	0.12125	0.12257018	10.55934
5491	489620.11	3859273.56	0.51678	0.81443	2.0034	1.74402	0.58624	0.98225	0.7854	0.81443	9.53996192	0.03465274	4.805E-06	0.1625354	0.4863772	0.244479	0.128206	0.12758145	10.46864
5492	489666.06	3859206.42	0.46334	0.53118	1.80276	3.09807	0.70238	1.5839	0.5159	0.53118	8.55343851	0.02260089	4.324E-06	0.2887273	0.5827333	0.394227	0.084213	0.08320999	9.842735
5493	489787.9	3859285.65	0.48805	0.55783	2.29645	3.04235	0.69065	1.53993	0.5288	0.55783	9.00959483	0.023734806	5.508E-06	0.2835344	0.5730015	0.383283	0.086322	0.08738475	10.27209
5494	489752.17	3859343.13	0.52764	0.80011	7.54631	2.01375	0.55691	1.14505	0.7825	0.80011	9.74044179	0.034043446	1.81E-05	0.1876732	0.4620434	0.284999	0.12772	0.12533821	10.7116
5495	489814.94	3859385.33	0.51809	0.83604	12.5018	2.10715	0.5729	1.178	0.8357	0.83604	9.56414503	0.035572213	2.998E-05	0.1963777	0.4753096	0.2932	0.136409	0.13096668	10.57008
5496	489853.42	3859330.74	0.45707	0.57909	4.11072	3.10122	0.69076	1.55995	0.543	0.57909	8.43769185	0.024639386	9.859E-06	0.2890209	0.5730927	0.388266	0.088628	0.09071515	9.710634
5497	489969.5	3859401.91	0.48082	0.59795	5.979	3.44076	0.61829	1.61582	0.5718	0.59795	8.87612618	0.02544185	1.434E-05	0.3206646	0.5129676	0.402172	0.093336	0.0936696	10.13705
5498	490166.91	3859486.96	0.44562	0.55472	2.04299	3.0665	0.50853	1.49744	0.5345	0.55472	8.22632035	0.02360248	4.9E-06	0.2857851	0.4219046	0.372708	0.087246	0.08689756	9.330673
5499	490128.86	3859571.46	0.47172	1.00098	1.58109	1.75467	0.57076	0.98417	0.9934	1.00098	8.70813661	0.042590155	3.792E-06	0.163528	0.4735341	0.244957	0.16215	0.15680474	9.638094
5500	490186.65	3859593.65	0.48309	1.0108	1.42989	1.80846	0.52975	1.11141	1.0083	1.0108	8.91803128	0.043007981	3.429E-06	0.168541	0.4395099	0.276626	0.164585	0.15834305	9.851962
5501	490223.74	3859517.48	0.42352	0.56311	1.74459	3.37075	0.45393	1.55462	0.543	0.56311	7.81834566	0.023959462	4.184E-06	0.31414	0.3766055	0.38694	0.088638	0.08821187	8.920421
5502	490846.34	3859817.22	0.41278	0.69936	0.69984	3.59605	0.49421	1.30668	0.7293	0.69936	7.62008104	0.029756689	1.678E-06	0.335137	0.410024	0.325228	0.119048	0.1095556	8.729721
5503	490925.65	3859844.59	0.39921	0.64507	0.65063	3.36359	0.47631	1.28267	0.6707	0.64507	7.36957351	0.027446734	1.56E-06	0.3134727	0.3951731	0.319252	0.109471	0.101051	8.43334
5504	491159.29	3859896.28	0.3626	0.52001	0.5678	3.64197	0.44361	1.24834	0.546	0.52001	6.69373852	0.022125623	1.362E-06	0.3394165	0.3680434	0.310708	0.089121	0.0814602	7.741694
5505	491370.69	3859960.89	0.34538	0.45346	0.46769	3.61691	0.35341	1.255	0.4882	0.45346	6.37585055	0.019294024	1.122E-06	0.337081	0.2932085	0.312365	0.079687	0.07103506	7.346452
5506	491330.28	3860063.17	0.39694	0.72429	0.45869	1.19986	0.4152	0.85847	0.7071	0.72429	7.32766841	0.030817422	1.1E-06	0.111822	0.3444729	0.21367	0.115424	0.11346091	8.030415
5507	491636.45	3860180.75	0.3511	0.49549	0.40433	0.77175	0.32338	0.71478	0.4929	0.49549	6.481444	0.021082335	9.697E-07	0.0719239	0.2682939	0.177906	0.080455	0.07761911	7.023488
5508	491617.94	3860203.93	0.3793	0.55974	0.37693	0.65561	0.33958	0.62633	0.5441	0.55974	7.00202708	0.023816074	9.04E-07	0.0611001	0.2817344	0.155891	0.088813	0.08768395	7.525699
5509	491805.68	3860271.59	0.33799	0.45136	0.34117	0.56637	0.28034	0.53983	0.4373	0.45136	6.23942824	0.019204672	8.182E-07	0.0527833	0.2325856	0.134362	0.071375	0.07070609	6.679033
5510	491654.23	3860414.02	0.30634	1.30656	0.21349	0.43767	0.32443	0.37081	1.472	1.30656	5.65515681	0.055592113	5.12E-07	0.040789	0.2691651	0.092293	0.240276	0.20467422	6.148599
5511	491592.62	3860510.76	0.2058	0.68119	0.17638	0.31955	0.31728	0.34591	0.6493	0.68119	3.79914889	0.028983584	4.23E-07	0.0297807	0.2632331	0.086096	0.105981	0.10670924	4.206514
5512	491475.41	3860368.93	0.28138	0.89133	0.20359	0.40297	0.35064	0.31099	0.841	0.89133	5.19438539	0.037924717	4.883E-07	0.0375551	0.2909104	0.077404	0.137279	0.13962793	5.635831
5513	491445.61	3860337.28	0.29533	0.94149	0.21016	0.4545	0.35753	0.32197	0.9082	0.94149	5.45190788	0.040058947	5.04E-07	0.0423575	0.2966267	0.080137	0.148249	0.14748556	5.911852
5514	491399.05	3860300.37	0.30687	0.95053	0.2191	0.47508	0.36383	0.34462	0.9346	0.95053	5.66494081	0.040443585	5.255E-07	0.0442755	0.3018535	0.085775	0.152552	0.14890168	6.140939
5515	491228.84	3860235.98	0.27922	0.6233	0.24144	0.5328	0.34585	0.37119	0.6319	0.6233	5.15451095	0.026520454	5.791E-07	0.0496548	0.2869363	0.092388	0.103139	0.0976407	5.61551
5516	491228.47	3860174.57	0.31948	0.92308	0.34501	0.65337	0.38179	0.43828	0.9574	0.92308	5.89772637	0.03927563	8.275E-07	0.0608914	0.3167541	0.109086	0.156273	0.14460161	6.435407
5517	491145.77	3860112.55	0.33437	0.90633	0.37589	0.74166	0.39368	0.5356	0.943	0.90633	6.17260162	0.038562944	9.015E-07	0.0691196	0.3266187	0.133309	0.153928	0.1419777	6.752163
5518	490844.41	3859966.22	0.33646	0.98026	0.54128	1.07724	0.38215	0.72745	0.925	0.98026	6.21118384	0.041708551	1.298E-06	0.1003943	0.3170528	0.18106	0.150991	0.15355892	6.848833
5519	490845.55	3859928.15	0.3601	1.61255	0.6017	1.34794	0.41268	0.89868	1.4197	1.61255	6.64758754	0.068611515	1.443E-06	0.1256224	0.3423822	0.223678	0.231734	0.25260792	7.38701
5520	490046.91	3859625.6	0.38542	1.37077	1.38396	1.15608	0.46685	0.64331	1.3797	1.37077	7.11500469	0.058324149	3.319E-06	0.1077419	0.3873246	0.160118	0.225203	0.21473279	7.838987
5521	489970.48	3859589.4	0.39172	1.39131	1.79823	1.12614	0.42506	0.6562	1.3978	1.39131	7.23130516	0.059198095	4.313E-06	0.1049516	0.3526533	0.163326	0.228158	0.21795041	7.921646
5522	489865.89	3859529.06	0.418	1.42599	3.83813	1.12609	0.46333	0.65227	1.4318	1.42599	7.71644429	0.060673675	9.205E-06	0.1049469	0.3844042	0.162348	0.233714	0.22338307	8.439157
5523	489826.89	3859531.74	0.38988	1.09614	3.84214	1.04063	0.52268	0.61771	1.0848	1.09614	7.19733804	0.046639066	9.215E-06	0.0969824	0.4336443	0.153746	0.177067	0.17171167	7.933714
5524	489410.47	3859303.06	0.40089	1.0751	1.27081	0.95576	0.831	0.54598	1.0045	1.0751	7.40058697	0.045743847	3.048E-06	0.0890729	0.6894436	0.135893	0.163968	0.16841572	8.356295
5525	489407.15	3859286.09	0.42208	1.24311	1.39299	1.033	0.80794	0.55628	1.1219	1.24311	7.7917627	0.052892413	3.341E-06	0.0962713	0.6703117	0.138456	0.183126	0.1947347	8.738089

5526	488806.07	3858963.62	0.6101	1.11454	0.61934	0.97473	0.9427	0.52183	0.712	1.11454	11.2626858	0.047421958	1.485E-06	0.0908408	0.7821161	0.129882	0.116224	0.17459405	12.25458
5527	488817.64	3859546.3	0.57564	0.24693	0.52384	0.54411	0.56062	0.46905	0.2337	0.24693	10.6265407	0.010506491	1.256E-06	0.0507088	0.4651214	0.116745	0.038138	0.03868189	11.26908
5528	489187.25	3859549.52	0.40356	0.30238	0.84188	2.30997	0.61111	0.46581	0.3099	0.30238	7.44987622	0.012865803	2.019E-06	0.2152796	0.5070107	0.115939	0.050581	0.0473682	8.304186
5529	489187.66	3859523.74	0.39884	0.31587	0.81805	2.32481	0.63654	0.42466	0.3232	0.31587	7.36274316	0.013439781	1.962E-06	0.2166627	0.5281088	0.105696	0.052754	0.04948142	8.229925
5530	489232.59	3859522.85	0.39494	0.33162	0.93907	1.92862	0.72384	0.43335	0.3392	0.33162	7.29074763	0.01410992	2.252E-06	0.1797394	0.6005377	0.107859	0.055366	0.05194868	8.196413
5531	489224.98	3859759.91	0.43647	0.24688	0.4929	2.07732	0.4741	0.41846	0.2414	0.24688	8.05740775	0.010504363	1.182E-06	0.1935976	0.3933396	0.104153	0.039408	0.03867405	8.759738
5532	488401.39	3859763.34	0.54673	0.16203	0.31627	0.37343	0.18808	1.2223	0.1648	0.16203	10.0928507	0.006894127	7.585E-07	0.0348021	0.1560416	0.304226	0.026894	0.0253822	10.59633
5533	488405.51	3859966.16	0.53301	0.18529	0.3913	0.34519	0.18341	1.21509	0.158	0.18529	9.8395741	0.007883804	9.385E-07	0.0321703	0.1521671	0.302432	0.02579	0.0290259	10.33099
5534	489202.85	3859956.57	0.43334	0.19982	0.43551	2.14152	0.49764	0.31756	0.195	0.19982	7.99962672	0.008502033	1.045E-06	0.1995808	0.4128697	0.07904	0.031833	0.03130205	8.700151
5535	489191.9	3860676.74	0.38605	0.13132	0.29146	2.86198	0.28372	0.27948	0.1384	0.13132	7.12663473	0.005587463	6.99E-07	0.2667247	0.2353898	0.069562	0.022591	0.02057144	7.705918
5536	488392.82	3860687.88	0.43497	0.1108	0.18019	0.27777	0.19453	1.30815	0.1145	0.1108	8.02971716	0.004714369	4.322E-07	0.025887	0.1613929	0.325594	0.018686	0.01735695	8.548635
5537	488392.82	3860760.27	0.37981	0.10931	0.16415	0.26291	0.18895	0.57492	0.1117	0.10931	7.01144188	0.004650972	3.937E-07	0.0245021	0.1567634	0.143096	0.018226	0.01712354	7.341557
5538	487549.05	3860777.45	0.25246	0.0958	0.14227	0.19374	0.23442	0.4839	0.0822	0.0958	4.66051083	0.004076142	3.412E-07	0.0180558	0.1944878	0.120441	0.013412	0.01500719	4.995977
5539	487554.62	3859571.83	0.58374	0.14903	0.15236	0.2744	0.3479	0.96964	0.1386	0.14903	10.7760698	0.006340997	3.654E-07	0.0255729	0.2886371	0.24134	0.022622	0.02334573	11.33724
5540	485949.46	3859558.54	0.26238	0.11171	0.17389	0.19167	0.48537	0.30966	0.1038	0.11171	4.84363793	0.004753088	4.17E-07	0.0178629	0.4026898	0.077073	0.016938	0.01749951	5.345456
5541	485947.55	3857943.61	0.59387	0.22971	0.20171	0.19055	1.34634	0.90144	0.1275	0.22971	10.9630736	0.009773806	4.838E-07	0.0177585	1.1169982	0.224365	0.020818	0.03598435	12.3168
5542	484738.38	3857940.21	0.29191	0.13761	0.17576	0.18732	0.80309	0.34138	0.1039	0.13761	5.38877333	0.005855093	4.215E-07	0.0174574	0.6662879	0.084968	0.016958	0.02155677	6.158744
5543	484737.06	3857535.68	0.36329	0.16039	0.25859	0.15686	1.05684	0.31692	0.1013	0.16039	6.70647619	0.006824347	6.202E-07	0.0146187	0.876813	0.07888	0.016537	0.02512529	7.675025
5544	483730.2	3857530.13	0.28572	0.1267	0.42813	0.15618	0.70729	0.27881	0.094	0.1267	5.2745035	0.00539089	1.027E-06	0.0145553	0.5868069	0.069395	0.015348	0.01984771	5.946153
5545	483727.27	3857130.01	0.48417	0.14053	0.26664	0.15334	0.38655	0.24705	0.0898	0.14053	8.9379685	0.005979335	6.395E-07	0.0142907	0.3207033	0.06149	0.014651	0.0220142	9.33307
5546	483124.42	3857123.45	0.34082	0.12219	0.3127	0.14256	0.28284	0.21931	0.0841	0.12219	6.29167116	0.005198996	7.5E-07	0.013286	0.2346597	0.054586	0.013731	0.01914121	6.593992
5547	483111.13	3855921.03	0.65047	0.18367	0.36713	0.15473	0.4623	0.30009	0.0984	0.18367	12.0079319	0.007814875	8.805E-07	0.0144202	0.3835497	0.074691	0.016062	0.02877213	12.4757
5548	482701.73	3855918.24	0.40678	0.13494	0.53581	0.14652	0.40707	0.24136	0.0913	0.13494	7.50931868	0.005741489	1.285E-06	0.0136551	0.3377278	0.060074	0.014903	0.02113852	7.920282
5549	482668.02	3853521.78	0.36146	0.54593	0.08231	0.15521	0.06095	0.2287	0.4849	0.54593	6.67269367	0.023228479	1.974E-07	0.0144649	0.0505675	0.056923	0.079143	0.0855206	6.8115
5550	482579.91	3853219.19	0.3092	0.62047	0.07279	0.0957	0.08361	0.18356	0.6095	0.62047	5.70795353	0.026400042	1.746E-07	0.0089188	0.0693675	0.045687	0.099488	0.09719738	5.860618
5551	482434.06	3852961.94	0.26808	0.79419	0.05939	0.07454	0.07867	0.13506	0.8099	0.79419	4.94886217	0.03379156	1.424E-07	0.0069468	0.065269	0.033616	0.132197	0.12441083	5.096272
5552	482332.11	3852832.85	0.21607	0.93392	0.05471	0.06645	0.07613	0.13298	0.9462	0.93392	3.98873713	0.039736856	1.312E-07	0.0061929	0.0631617	0.033098	0.154447	0.14629971	4.139074
5553	481334.99	3851818.96	0.15838	0.79906	0.03344	0.03737	0.05263	0.06801	0.8119	0.79906	2.92375705	0.033998771	8.02E-08	0.0034827	0.0436648	0.016927	0.13252	0.12517372	3.029178
5554	481127.62	3851646.36	0.18683	0.75127	0.03334	0.03655	0.0508	0.05089	0.7541	0.75127	3.44895523	0.03196538	7.996E-08	0.0034063	0.0421465	0.012666	0.123084	0.11768736	3.544537
5555	481025.04	3851591.73	0.18666	0.72319	0.03337	0.03714	0.05089	0.05231	0.7195	0.72319	3.44581697	0.030770619	8.003E-08	0.0034613	0.0422212	0.01302	0.117448	0.11328859	3.539449
5556	480513.6	3851335.76	0.18984	0.82103	0.02878	0.02746	0.05085	0.03259	0.8313	0.82103	3.50452102	0.03493356	6.902E-08	0.0025592	0.042188	0.008112	0.135699	0.12861535	3.599396
5557	480523.56	3851317.66	0.2027	0.98757	0.02993	0.02649	0.05052	0.03263	1.005	0.98757	3.74192167	0.04201958	7.178E-08	0.0024688	0.0419142	0.008121	0.164046	0.15470404	3.845788
5558	476921.56	3849569.11	0.13548	0.91292	0.01811	0.01979	0.02152	0.02439	0.9166	0.91292	2.50101405	0.038843338	4.343E-08	0.0018443	0.0178542	0.006071	0.149614	0.14301003	2.57223
5559	476521.19	3849373.96	0.13235	0.94469	0.01682	0.01796	0.0206	0.02386	0.9445	0.94469	2.44323302	0.040195102	4.034E-08	0.0016738	0.0170909	0.005939	0.154176	0.14798684	2.514321
5560	476391.45	3849333.38	0.12969	0.90968	0.01635	0.01723	0.02042	0.02373	0.9136	0.90968	2.39412837	0.038705481	3.921E-08	0.0016058	0.0169416	0.005906	0.149126	0.14250248	2.463911
5561	476219.41	3849304.29	0.12858	0.83288	0.01568	0.01618	0.01995	0.02353	0.8369	0.83288	2.37363734	0.035437759	3.761E-08	0.0015079	0.0165516	0.005857	0.1366	0.13047167	2.439119
5562	475679.11	3849218.47	0.14489	0.82707	0.01468	0.01851	0.02425	0.02151	0.8311	0.82707	2.67472635	0.035190553	3.521E-08	0.0017251	0.0201191	0.005354	0.135663	0.12956152	2.743216
5563	475677.71	3849233.88	0.13388	0.70322	0.01497	0.01835	0.02431	0.02153	0.7067	0.70322	2.47147742	0.029920926	3.59E-08	0.0017101	0.0201689	0.005359	0.115357	0.11016027	2.533833
5564	475492.74	3849204.66	0.12545	0.58306	0.01647	0.01972	0.02658	0.02121	0.5887	0.58306	2.31585631	0.024808304	3.95E-08	0.0018378	0.0220522	0.005279	0.096098	0.09133706	2.374594
5565	475497.64	3849158.75	0.23717	1.08582	0.01569	0.01796	0.02417	0.02121	1.0962	1.08582	4.37825142	0.046199966	3.763E-08	0.0016738	0.0200528	0.005279	0.178928	0.17009503	4.46029
5566	475391.35	3849141.94	0.16437	0.95556	0.01658	0.01985	0.02657	0.02114	0.9612	0.95556	3.0343348	0.040657604	3.976E-08	0.0018499	0.0220439	0.005262	0.156899	0.14968964	3.111357
5567	475277	3849095.47	0.18372	0.92746	0.01701	0.02017	0.02708	0.02101	0.9303	0.92746	3.39154341	0.039461993	4.08E-08	0.0018798	0.0224671	0.005229	0.151848	0.14528774	3.467142
5568	475183.93	3849025.66	0.18497	1.10718	0.01687	0.01977	0.02656	0.02085	1.1171	1.10718	3.4146189	0.047108801	4.046E-08	0.0018425	0.0220356	0.005189	0.182346	0.1734411	3.4997
5569	474453.23	3848378.77	0.09452	1.09054	0.01446	0.01556	0.02063	0.01985	1.0997	1.09054	1.74487635	0.046400795	3.468E-08	0.0014501	0.0171158	0.004941	0.179509	0.17083442	1.823458
5570	474569.63	3848399.34	0.07379	1.26466	0.01241	0.01483	0.01954	0.01998	1.2733	1.26466	1.3621924	0.053809332	2.976E-08	0.0013821	0.0162115	0.004973	0.207837	0.19811053	1.448295
5571	474644.33	3848464.52	0.07455	1.26105	0.01367	0.0152	0.02005	0.02008	1.2695	1.26105	1.3762223	0.053655733	3.279E-08	0.0014166	0.0166346	0.004998	0.207222	0.19754502	1.462604
5572	474719.04	3848529.7	0.08021	1.26824	0.01402	0.01557	0.02057	0.02017	1.2766	1.26824	1.48070813	0.053961656	3.362E-08	0.0014511	0.017066	0.00502	0.208379	0.19867134	1.567915
5573	474793.74	3848594.88	0.09304	1.2846	0.01425	0.01592	0.02108	0.02026	1.2929	1.2846	1.71755497	0.054657749	3.418E-08	0.0014837	0.0174891	0.005043	0.21103	0.20123415	1.806024
5574	474868.45	3848660.07	0.09538	1.28408	0.01446	0.01626	0.0216	0.02034	1.2922	1.28408	1.76075229	0.054635623	3.468E-08	0.0015154	0.0179206	0.005063	0.210922	0.2011527	1.849656
5575	474943.15	3848725.25	0.09914	1.29536	0.01469	0.01659	0.02214	0.02044	1.3032	1.29536	1.83016337	0.05511557	3.523E-08	0.0015461	0.0183686	0.005087	0.212721	0.20291972	1.920083
5576	475017.86	3848790.43	0.10738	1.34509	0.01493	0.01639	0.02261	0.02054	1.3554	1.34509	1.98227701	0.057231505	3.581E-08	0.0015275	0.0187585	0.005112	0.221245	0.21070999	2.075442
5577	475092.56	3848855.61	0.11764	1.40948	0.01518	0.0162	0.02267	0.02066	1.4208	1.40948	2.17168064	0.0599712	3.641E-08	0.0015098	0.0188083	0.005142	0.231912	0.22079676	2.268227
5578	475232.58	3848959.38	0.14602	1.18658	0.01535	0.01631	0.02292	0.02086	1.1932	1.18658	2.69558659	0.050487149	3.681E-08	0.00152	0.0190157	0.005192	0.194768	0.1858792	2.78069
5579	475368.47	3849029.98	0.15788	1.16647	0.01501	0.01718	0.0234	0.02103	1.1816	1.16647	2.91452685	0.049631499	3.6E-08	0.0016011	0.0194139	0.005234	0.192871	0.18272895	3.00055
5580	475609.57	3849096.09	0.15672	1.06107	0.01327	0.01671	0.02187	0.02124	1.0732	1.06107	2.8931128	0.045146892	3.183E-08	0.0015573	0.0181446	0.005287	0.175175	0.16621791	2.972206
5581	475680.68	3849116.62	0.149	1.22199	0.01277	0.01647	0.02137	0.02213	1.2372	1.22199	2.75059856	0.05199379	3.063E-08	0.0015349	0.0177297	0.005508	0.201946	0.19142622	2.837885
5582	475843.76	3849151.52	0.14655	1.49542	0.01427	0.0156	0.01995	0.02269	1.5086	1.49542	2.7053706	0.063627815	3.422E-08	0.0014539	0.0165516	0.005647	0.246242	0.23425936	2.804634

5583	475935.73	3849165.89	0.1413	1.38125	0.01485	0.01527	0.01983	0.02296	1.3933	1.38125	2.60845354	0.058770057	3.562E-08	0.0014231	0.0164521	0.005715	0.22742	0.21637449	2.701859
5584	476027.7	3849180.26	0.13745	1.37261	0.0152	0.01574	0.01969	0.02319	1.3841	1.37261	2.53738102	0.058402438	3.645E-08	0.0014669	0.0163359	0.005772	0.225926	0.21502103	2.630264
5585	476119.68	3849194.64	0.14233	1.46839	0.01583	0.0161	0.01996	0.02323	1.4721	1.46839	2.62746774	0.06247773	3.797E-08	0.0015005	0.0165599	0.005782	0.240284	0.23002508	2.724047
5586	476211.65	3849209.01	0.13961	1.40791	0.01593	0.01671	0.02018	0.02332	1.4127	1.40791	2.57725547	0.059904399	3.821E-08	0.0015573	0.0167424	0.005804	0.230593	0.22055082	2.671306
5587	476497.8	3849283.9	0.11233	1.81877	0.01701	0.01816	0.02041	0.02358	1.8587	1.81877	2.07365595	0.077385858	4.08E-08	0.0016924	0.0169333	0.005869	0.303398	0.28491254	2.194022
5588	476603.73	3849323.77	0.11313	1.96446	0.01737	0.01852	0.02085	0.02369	2.0079	1.96446	2.08842427	0.083584743	4.166E-08	0.001726	0.0172983	0.005896	0.327747	0.30773505	2.216941
5589	476728.99	3849382.76	0.13773	1.67974	0.01778	0.01967	0.02152	0.02345	1.7021	1.67974	2.54254993	0.071470346	4.264E-08	0.0018332	0.0178542	0.005837	0.277836	0.26313332	2.654247
5590	476801.27	3849418.65	0.14766	1.68281	0.01822	0.02001	0.02189	0.0231	1.7034	1.68281	2.72586164	0.07160097	4.37E-08	0.0018648	0.0181612	0.00575	0.278045	0.26361424	2.837669
5591	476956.2	3849495.05	0.15843	1.72375	0.01915	0.02074	0.02268	0.02233	1.7431	1.72375	2.92468007	0.073342904	4.593E-08	0.0019329	0.0188166	0.005558	0.284524	0.27002754	3.038827
5592	477038.84	3849535.56	0.1576	1.75308	0.01902	0.02109	0.02311	0.02192	1.7691	1.75308	2.90935794	0.07459085	4.562E-08	0.0019655	0.0191733	0.005456	0.28876	0.27462212	3.024681
5593	477121.48	3849576.08	0.15444	1.77618	0.01905	0.02147	0.02354	0.02151	1.7854	1.77618	2.8510231	0.075573719	4.569E-08	0.0020009	0.0195301	0.005354	0.291422	0.27824076	2.966663
5594	477204.13	3849616.6	0.15128	1.81474	0.01933	0.02184	0.02396	0.02145	1.8174	1.81474	2.79268826	0.077214388	4.636E-08	0.0020354	0.0198785	0.005339	0.296652	0.28428123	2.909526
5595	477286.78	3849657.12	0.1521	1.76184	0.01962	0.02209	0.02435	0.0216	1.7576	1.76184	2.80782578	0.074963575	4.706E-08	0.0020587	0.0202021	0.005376	0.286884	0.27599438	2.921316
5596	477369.42	3849697.63	0.15396	1.85871	0.01988	0.02261	0.02483	0.02173	1.8505	1.85871	2.84216211	0.079085244	4.768E-08	0.0021072	0.0206003	0.005409	0.302046	0.29116918	2.960241
5597	477452.07	3849738.15	0.16206	1.86751	0.02017	0.02297	0.02635	0.02186	1.8503	1.86751	2.9916913	0.07945967	4.837E-08	0.0021407	0.0218614	0.005441	0.302015	0.29254772	3.110062
5598	477534.71	3849778.67	0.16065	1.88614	0.02043	0.02345	0.03053	0.02198	1.8727	1.88614	2.96566214	0.080252348	4.9E-08	0.0021854	0.0253294	0.005471	0.305685	0.29546613	3.089119
5599	477617.35	3849819.18	0.16145	1.89939	0.02078	0.02382	0.03097	0.0221	1.8799	1.89939	2.98043046	0.080816115	4.984E-08	0.0022199	0.0256944	0.005501	0.306852	0.29754176	3.103972
5600	477824.74	3849896.37	0.15941	1.23997	0.02144	0.02501	0.0324	0.02234	1.2364	1.23997	2.94277126	0.052758811	5.142E-08	0.0023308	0.0268808	0.00556	0.201822	0.19424281	3.037882
5601	477906.31	3849936.37	0.17105	1.29642	0.02166	0.02526	0.0328	0.02262	1.2845	1.29642	3.15765023	0.055160671	5.195E-08	0.0023541	0.0272127	0.00563	0.209672	0.20308577	3.254594
5602	477987.89	3849976.36	0.17039	1.28177	0.02122	0.02568	0.03326	0.02255	1.2687	1.28177	3.14546637	0.054537337	5.089E-08	0.0023933	0.0275943	0.005613	0.207093	0.20079083	3.241906
5603	478069.47	3850016.36	0.17074	1.29263	0.02148	0.02491	0.03367	0.02264	1.278	1.29263	3.15192751	0.054999413	5.152E-08	0.0023215	0.0279345	0.005635	0.208601	0.20249206	3.248927
5604	478151.04	3850056.35	0.17488	1.30989	0.02255	0.02398	0.03409	0.02273	1.2912	1.30989	3.22835354	0.055733799	5.408E-08	0.0022348	0.028283	0.005657	0.210758	0.20519586	3.325824
5605	478232.62	3850096.35	0.17662	1.32504	0.02281	0.02448	0.03454	0.02281	1.3025	1.32504	3.26047462	0.056378408	5.471E-08	0.0022814	0.0286563	0.005677	0.212604	0.20756913	3.358503
5606	478314.2	3850136.34	0.17677	1.32205	0.02274	0.02589	0.03497	0.02389	1.304	1.32205	3.26324368	0.056251188	5.454E-08	0.0024128	0.029013	0.005946	0.212847	0.20710074	3.362613
5607	478395.77	3850176.34	0.1768	1.32289	0.0226	0.02726	0.03541	0.02388	1.3029	1.32289	3.26379749	0.056286929	5.42E-08	0.0025405	0.0293781	0.005944	0.212671	0.20723233	3.363385
5608	478575.43	3850244.45	0.17675	1.05921	0.02189	0.02819	0.03655	0.02366	1.0387	1.05921	3.26287447	0.045067752	5.25E-08	0.0026272	0.0303239	0.005889	0.169552	0.16592654	3.350408
5609	478665.06	3850287.29	0.1821	1.04352	0.02155	0.02855	0.03615	0.02361	1.0239	1.04352	3.36163757	0.044400167	5.168E-08	0.0026607	0.029992	0.005876	0.16713	0.16346868	3.448228
5610	478754.69	3850330.14	0.18545	1.02647	0.02117	0.02921	0.03571	0.02357	1.0074	1.02647	3.42347989	0.043674715	5.077E-08	0.0027223	0.029627	0.005866	0.164432	0.16079778	3.509004
5611	478844.32	3850372.99	0.18845	1.0032	0.02076	0.02922	0.03599	0.02754	0.9871	1.0032	3.47886107	0.042684613	4.979E-08	0.0027232	0.0298593	0.006855	0.161126	0.1571525	3.564957
5612	478933.95	3850415.84	0.19208	0.97468	0.02033	0.0295	0.03706	0.02762	0.9528	0.97468	3.5458723	0.041471131	4.876E-08	0.0027493	0.030747	0.006875	0.155519	0.15268481	3.630549
5613	479023.58	3850458.68	0.2008	0.99219	0.01979	0.02973	0.0376	0.02761	0.9714	0.99219	3.70684692	0.042216154	4.746E-08	0.0027707	0.031195	0.006872	0.158562	0.15542777	3.793035
5614	479110.66	3850441.9	0.20825	0.65164	0.01838	0.02974	0.04139	0.02718	0.6475	0.65164	3.84437685	0.027726277	4.408E-08	0.0027716	0.0343394	0.006765	0.105687	0.1020802	3.919586
5615	479191.22	3850423.99	0.19541	0.51608	0.01965	0.02949	0.04008	0.02666	0.5145	0.51608	3.6073454	0.021958408	4.713E-08	0.0027483	0.0332526	0.006636	0.08398	0.08084456	3.675075
5616	479274.32	3850465.71	0.20348	0.52724	0.02201	0.02954	0.04089	0.0265	0.5253	0.52724	3.75632078	0.022433249	5.279E-08	0.002753	0.0339246	0.006596	0.085739	0.08259279	3.825174
5617	479357.43	3850507.42	0.21193	0.54243	0.02464	0.02919	0.04165	0.02633	0.5391	0.54243	3.9123111	0.02307956	5.91E-08	0.0027204	0.0345551	0.006553	0.087998	0.08497232	3.982246
5618	479440.53	3850549.14	0.22399	0.54316	0.02452	0.02829	0.04616	0.02616	0.5388	0.54316	4.13494344	0.02311062	5.881E-08	0.0026365	0.0382969	0.006511	0.087949	0.08508668	4.208361
5619	479523.64	3850590.85	0.22982	0.54287	0.02433	0.02726	0.04713	0.02601	0.5379	0.54287	4.24256753	0.023098281	5.835E-08	0.0025405	0.0391017	0.006474	0.087801	0.08504125	4.316541
5620	479606.74	3850632.57	0.2324	0.54674	0.02411	0.02615	0.04771	0.02588	0.5416	0.54674	4.29019534	0.023262944	5.782E-08	0.0024371	0.0395829	0.006441	0.088408	0.08564749	4.36468
5621	479777.37	3850707.61	0.2308	0.52759	0.02454	0.02442	0.04843	0.02568	0.5238	0.52759	4.26065871	0.022448141	5.886E-08	0.0022758	0.0401802	0.006392	0.085494	0.08264762	4.334801
5622	479864.9	3850740.95	0.22494	0.50579	0.02485	0.02459	0.04802	0.02649	0.5026	0.50579	4.15248081	0.021520584	5.96E-08	0.0022917	0.0398401	0.006593	0.082045	0.07923262	4.225539
5623	479931.87	3850829.56	0.23624	0.64313	0.0251	0.02483	0.0489	0.02688	0.6351	0.64313	4.36108325	0.02736419	6.02E-08	0.0023141	0.0405701	0.00669	0.103658	0.1007471	4.440933
5624	479995.55	3850926.75	0.22388	0.95486	0.02536	0.02631	0.04634	0.02702	0.9236	0.95486	4.13291279	0.04062782	6.082E-08	0.002452	0.0384462	0.006725	0.15075	0.14957998	4.222334
5625	480079.78	3850968.64	0.21552	0.94313	0.02579	0.02529	0.04672	0.0285	0.9192	0.94313	3.97858391	0.040128727	6.185E-08	0.0023569	0.0387615	0.007094	0.150032	0.14774246	4.069214
5626	480164.01	3851010.54	0.21047	0.9314	0.02612	0.02539	0.04698	0.02972	0.9166	0.9314	3.88535892	0.039629633	6.264E-08	0.0023662	0.0389772	0.007397	0.149615	0.14590494	3.97744
5627	480248.23	3851052.43	0.20716	0.92473	0.02635	0.02554	0.04712	0.03067	0.9056	0.92473	3.82425502	0.039345835	6.32E-08	0.0023802	0.0390934	0.007634	0.147818	0.14486008	3.915666
5628	480332.46	3851094.33	0.20519	0.92328	0.02714	0.0257	0.04712	0.0314	0.9148	0.92328	3.78788805	0.03928414	6.509E-08	0.0023951	0.0390934	0.007815	0.149318	0.14463294	3.881161
5629	480416.69	3851136.22	0.20403	0.94611	0.02856	0.0277	0.047	0.03194	0.9402	0.94611	3.76647399	0.040255521	6.85E-08	0.0025815	0.0389938	0.00795	0.153474	0.14820928	3.861519
5630	480579.95	3851215.17	0.19988	0.94474	0.03114	0.02888	0.04734	0.04878	0.9394	0.94474	3.68986336	0.04019723	7.468E-08	0.0026915	0.0392759	0.012141	0.153332	0.14799467	3.789507
5631	480658.98	3851252.22	0.20557	0.92785	0.03168	0.02852	0.0481	0.05005	0.9263	0.92785	3.794903	0.039478586	7.598E-08	0.0026579	0.0399064	0.012457	0.151205	0.14534883	3.89526
5632	480817.36	3851327.85	0.20385	0.90807	0.02992	0.03137	0.04968	0.04757	0.9153	0.90807	3.76315112	0.038636978	7.176E-08	0.0029236	0.0412173	0.01184	0.149402	0.14225027	3.86492
5633	480896.71	3851366.42	0.20504	0.90494	0.02817	0.0297	0.05043	0.04636	0.9167	0.90494	3.78511899	0.038503801	6.756E-08	0.0027679	0.0418395	0.011539	0.149624	0.14175995	3.887633
5634	480976.07	3851405	0.20629	0.90262	0.02697	0.03036	0.05117	0.04515	0.9158	0.90262	3.80819448	0.038405089	6.468E-08	0.0028294	0.0424535	0.011238	0.149488	0.14139652	3.911212
5635	481178	3851487.31	0.17869	0.80194	0.02806	0.03281	0.0534	0.04157	0.8206	0.80194	3.29868763	0.03412131	6.73E-08	0.0030578	0.0443036	0.010347	0.13395	0.12562488	3.398842
5636	481244.9	3851557.17	0.19393	0.95806	0.02855	0.033	0.05371	0.04313	0.963	0.95806	3.58002402	0.040763975	6.847E-08	0.0030755	0.0445608	0.010735	0.157184	0.15008127	3.686262
5637	481311.81	3851627.03	0.2297	1.0412	0.02904	0.03319	0.05406	0.04465	1.0469	1.0412	4.24035228	0.044301454	6.965E-08	0.0030932	0.0448512	0.011113	0.170886	0.16310525	4.351492
5638	481378.71	3851696.89	0.24973	1.17654	0.02952	0.0334	0.05443	0.04624	1.1775	1.17654	4.61011395	0.050059962	7.08E-08	0.0031127	0.0451581	0.011509	0.192195	0.18430642	4.727843
5639	481445.61	3851766.76	0.23459	0.97217	0.02999	0.03361	0.05479	0.04795	0.9757	0.97217	4.3306236	0.041364334	7.193E-08	0.0031323	0.0454568	0.011935	0.159256	0.15229161	4.439476

5640	481512.51	3851836.62	0.22224	1.03062	0.03044	0.03384	0.05519	0.0497	1.0323	1.03062	4.10263775	0.043851291	7.301E-08	0.0031537	0.0457887	0.01237	0.168493	0.16144788	4.214847
5641	481579.42	3851906.48	0.21185	1.04263	0.03087	0.03408	0.05561	0.05154	1.0443	1.04263	3.91083427	0.044362298	7.404E-08	0.0031761	0.0461371	0.012828	0.170461	0.16332926	4.02447
5642	481646.32	3851976.34	0.20498	1.04196	0.03093	0.03432	0.05601	0.05353	1.0439	1.04196	3.78401137	0.044333791	7.418E-08	0.0031985	0.046469	0.013323	0.170389	0.1632243	3.898501
5643	481713.22	3852046.2	0.20524	1.01421	0.03076	0.0346	0.05653	0.05549	1.0191	1.01421	3.78881107	0.043153071	7.377E-08	0.0032246	0.0469004	0.013811	0.16634	0.15887723	3.903363
5644	481780.12	3852116.06	0.1975	0.98291	0.03063	0.03487	0.0569	0.05782	0.9879	0.98291	3.64592763	0.041821304	7.346E-08	0.0032497	0.0472074	0.014391	0.161258	0.15397405	3.759882
5645	481847.03	3852185.92	0.19385	0.95679	0.03239	0.03515	0.05722	0.06032	0.9618	0.95679	3.57854719	0.040709939	7.768E-08	0.0032758	0.0474729	0.015013	0.156992	0.14988232	3.692129
5646	481913.93	3852255.78	0.1927	0.9222	0.03334	0.03643	0.05753	0.06295	0.9275	0.9222	3.55731774	0.039238188	7.996E-08	0.0033951	0.0477301	0.015668	0.151391	0.14446375	3.670277
5647	481980.83	3852325.65	0.1907	0.90984	0.03538	0.03809	0.05854	0.06569	0.9094	0.90984	3.52039695	0.038712289	8.485E-08	0.0035498	0.048568	0.01635	0.148437	0.14252754	3.633487
5648	482047.73	3852395.51	0.18918	0.92786	0.03594	0.03991	0.06058	0.07134	0.9096	0.92786	3.49233716	0.039479012	8.62E-08	0.0037194	0.0502605	0.017756	0.148473	0.1453504	3.606675
5649	482114.64	3852465.37	0.18581	0.94364	0.03759	0.04285	0.06263	0.07272	0.8981	0.94364	3.43012563	0.040150427	9.015E-08	0.0039934	0.0519613	0.0181	0.146592	0.14782236	3.543101
5650	482181.54	3852535.23	0.18497	0.96936	0.0453	0.04898	0.06473	0.09035	0.9436	0.96936	3.4146189	0.041244773	1.086E-07	0.0045647	0.0537036	0.022488	0.154021	0.15185142	3.538789
5651	482338.69	3852700.04	0.20863	0.98943	0.04731	0.07241	0.06984	0.12142	0.9934	0.98943	3.8513918	0.04209872	1.135E-07	0.0067483	0.0579431	0.030221	0.162145	0.15499541	3.995552
5652	482404.05	3852767.78	0.26247	0.99581	0.05713	0.08809	0.07194	0.12365	0.9887	0.99581	4.84529936	0.04237018	1.37E-07	0.0082096	0.0596854	0.030776	0.161391	0.15599485	4.991737
5653	482469.4	3852835.52	0.27959	0.99185	0.06893	0.09962	0.07407	0.12822	0.9858	0.99185	5.16134129	0.042201688	1.653E-07	0.0092842	0.0614526	0.031914	0.160909	0.15537451	5.311728
5654	482534.75	3852903.25	0.26884	0.99133	0.08005	0.10212	0.0761	0.13525	0.9905	0.99133	4.96289207	0.042179563	1.92E-07	0.0095172	0.0631368	0.033663	0.161675	0.15529305	5.117771
5655	482600.11	3852970.99	0.25502	1.04426	0.10899	0.10462	0.07683	0.1445	0.9847	1.04426	4.70776943	0.044431652	2.614E-07	0.0097502	0.0637424	0.035966	0.16073	0.1635846	4.858804
5656	482706.71	3853119.28	0.25269	0.91127	0.11613	0.11502	0.08346	0.16354	0.9302	0.91127	4.66475672	0.038773133	2.785E-07	0.0107194	0.069243	0.040705	0.151839	0.14275156	4.833284
5657	482747.96	3853199.84	0.26181	0.86241	0.13366	0.1228	0.08544	0.16662	0.8703	0.86241	4.8331155	0.036694215	3.206E-07	0.0114445	0.0708858	0.041471	0.142058	0.13509758	5.000572
5658	482789.21	3853280.4	0.27188	0.77837	0.15353	0.13073	0.08631	0.17636	0.8065	0.77837	5.01901166	0.033118443	3.682E-07	0.0121835	0.0716076	0.043895	0.131639	0.12193261	5.189523
5659	482830.46	3853360.96	0.28315	0.66013	0.15491	0.13894	0.086	0.18918	0.7525	0.66013	5.22706029	0.028087513	3.715E-07	0.0129486	0.0713504	0.047086	0.122831	0.10341017	5.405954
5660	482871.71	3853441.52	0.29557	0.61874	0.14896	0.14734	0.09075	0.20447	0.6836	0.61874	5.45633837	0.026326433	3.573E-07	0.0137315	0.0752912	0.050892	0.111586	0.09692637	5.63724
5661	482912.95	3853522.07	0.31043	0.55904	0.15557	0.15652	0.08831	0.22809	0.6589	0.55904	5.73065981	0.02378629	3.731E-07	0.014587	0.0732669	0.056771	0.107555	0.0875743	5.919052
5662	482954.2	3853602.63	0.32645	0.49494	0.17419	0.16657	0.08382	0.29577	0.641	0.49494	6.02639531	0.021058934	4.178E-07	0.0155236	0.0695417	0.073616	0.104636	0.07753295	6.233239
5663	482995.45	3853683.19	0.34456	0.45015	0.19255	0.17919	0.07884	0.34541	0.6063	0.45015	6.36071303	0.019153188	4.618E-07	0.0166998	0.06541	0.085971	0.098962	0.07051655	6.576394
5664	483036.7	3853763.75	0.36566	0.41007	0.20846	0.27239	0.07349	0.44053	0.5679	0.41007	6.75022732	0.017447846	5E-07	0.0253856	0.0609714	0.109646	0.092696	0.06423796	6.992137
5665	483214.2	3853909.91	0.4339	0.26432	0.11099	0.8662	0.07653	0.95761	0.3941	0.26432	8.00996454	0.011246408	2.662E-07	0.0807263	0.0634935	0.238346	0.064335	0.04140605	8.426706
5666	483307.01	3853910.44	0.43231	0.24475	0.10521	0.6521	0.0893	0.69094	0.3445	0.24475	7.98061252	0.010413735	2.523E-07	0.060773	0.0740882	0.171973	0.056227	0.03834039	8.315747
5667	483399.83	3853910.96	0.41081	0.21598	0.09615	0.49217	0.10233	0.54126	0.2814	0.21598	7.58371407	0.009189616	2.306E-07	0.0458682	0.0848986	0.134718	0.045934	0.03383353	7.870489
5668	483494.52	3854009.24	0.42123	0.19701	0.11996	0.72031	0.10215	0.47585	0.2912	0.19701	7.77607136	0.008382472	2.877E-07	0.0671299	0.0847493	0.118437	0.047532	0.03086186	8.071441
5669	483496.41	3854106.98	0.44258	0.20009	0.1276	1.16894	0.08718	0.6708	0.3942	0.20009	8.17020075	0.008513521	3.06E-07	0.1089404	0.0723294	0.16696	0.06434	0.03134434	8.55994
5670	483577.56	3854261.96	0.47453	0.18055	0.12184	3.07765	0.10179	1.24561	0.5498	0.18055	8.76001031	0.007682124	2.922E-07	0.2868242	0.0844506	0.310028	0.089745	0.02828338	9.510457
5671	483656.83	3854319.19	0.48281	0.15849	0.12547	3.53829	0.09272	1.20437	0.5849	0.15849	8.91286237	0.006743505	3.009E-07	0.329754	0.0769256	0.299764	0.095474	0.02482765	9.696696
5672	483736.1	3854376.41	0.4892	0.14055	0.23651	3.50831	0.09308	1.16752	0.5925	0.14055	9.03082428	0.005980186	5.672E-07	0.32696	0.0772243	0.290592	0.096718	0.02201733	9.806282
5673	483815.36	3854433.64	0.50309	0.12287	0.34621	3.59013	0.09483	1.11645	0.6173	0.12287	9.28723914	0.005227929	8.303E-07	0.3345853	0.0786762	0.277881	0.100763	0.01924774	10.06512
5674	483894.63	3854490.87	0.52123	0.10893	0.30495	3.6602	0.09705	1.08407	0.6579	0.10893	9.62211067	0.004634803	7.314E-07	0.3411155	0.0805181	0.269821	0.107395	0.01706402	10.40853
5675	483973.9	3854548.09	0.5447	0.09841	0.37527	3.68487	0.09946	1.05908	0.7036	0.09841	10.0553761	0.004187194	9E-07	0.3434146	0.0825175	0.263601	0.114854	0.01541605	10.84854
5676	484053.17	3854605.32	0.56515	0.09469	0.51875	3.77144	0.10296	1.05213	0.7573	0.09469	10.4328911	0.004028913	1.244E-06	0.3514826	0.0854213	0.261872	0.123607	0.0148333	11.24447
5677	484214.97	3854698.15	0.59171	0.08826	0.4648	3.4242	0.09941	0.91864	0.8326	0.08826	10.9231992	0.003755327	1.115E-06	0.3191213	0.082476	0.228646	0.135899	0.01382604	11.67927
5678	484297.5	3854733.74	0.58689	0.08817	0.50507	3.58152	0.10744	0.88563	0.8587	0.08817	10.8342201	0.003751498	1.211E-06	0.3337828	0.0891382	0.22043	0.140158	0.01381194	11.60767
5679	484380.03	3854769.34	0.59719	0.09337	0.49661	3.74004	0.12155	0.88158	0.8387	0.09337	11.0243621	0.003972749	1.191E-06	0.3485563	0.1008446	0.219422	0.136901	0.01462652	11.81943
5680	484462.56	3854804.94	0.60593	0.09815	0.52544	4.09814	0.136	0.87085	0.858	0.09815	11.185706	0.004176131	1.26E-06	0.3819297	0.1128331	0.216752	0.140049	0.01537532	12.02607
5681	484545.09	3854840.53	0.60956	0.10096	0.4487	3.80802	0.15058	0.84092	0.81	0.10096	11.2527172	0.004295692	1.076E-06	0.3548917	0.1249295	0.209302	0.13221	0.01581551	12.06253
5682	484691.88	3854912.58	0.59785	0.11198	0.40199	4.20079	0.18183	0.89788	0.8802	0.11198	11.036546	0.004764576	9.641E-07	0.3914962	0.1508562	0.223479	0.143672	0.0175418	11.93327
5683	484830.81	3855012.51	0.59255	0.11714	0.40108	3.51632	0.19707	0.95216	0.8392	0.11714	10.9387059	0.004984126	9.619E-07	0.3277065	0.1635002	0.236989	0.136988	0.01835012	11.79052
5684	484905.48	3855075.97	0.58024	0.11992	0.40547	3.54546	0.20227	0.95166	0.789	0.11992	10.7114585	0.005102411	9.725E-07	0.3304222	0.1678144	0.236865	0.128779	0.01878561	11.56166
5685	484980.14	3855139.44	0.57201	0.12089	0.36378	3.66063	0.20788	0.89358	0.7416	0.12089	10.5595294	0.005143683	8.725E-07	0.3411556	0.1724688	0.222409	0.121049	0.01893757	11.40282
5686	485054.81	3855202.91	0.57639	0.12093	0.3791	3.43453	0.21418	0.88385	0.7159	0.12093	10.6403859	0.005145385	9.092E-07	0.320084	0.1776956	0.219987	0.11686	0.01894383	11.46122
5687	485129.48	3855266.37	0.5814	0.11985	0.42805	3.22094	0.22136	0.91772	0.7348	0.11985	10.7328725	0.005099433	1.027E-06	0.3001783	0.1836525	0.228417	0.119936	0.01877465	11.55138
5688	485204.15	3855329.84	0.57376	0.12033	0.43548	3.34089	0.22813	0.90482	0.7528	0.12033	10.5918351	0.005119856	1.044E-06	0.3113571	0.1892693	0.225207	0.122883	0.01884984	11.42682
5689	485278.82	3855393.31	0.57756	0.1179	0.45395	3.22794	0.2554	0.8698	0.7066	0.1179	10.6619846	0.005016463	1.089E-06	0.3008307	0.211894	0.21649	0.115341	0.01846918	11.49309
5690	485353.48	3855456.77	0.57323	0.11572	0.37278	3.31194	0.30184	0.8546	0.6607	0.11572	10.5820511	0.004923708	8.941E-07	0.3086591	0.2504232	0.212707	0.107842	0.01812768	11.44848
5691	485428.15	3855520.24	0.57355	0.11331	0.42316	3.03291	0.34858	0.84537	0.62	0.11331	10.5879584	0.004821166	1.015E-06	0.2826547	0.2892013	0.21041	0.101198	0.01775015	11.45849
5692	485502.82	3855583.71	0.57475	0.11142	0.45696	3.44155	0.36869	0.83935	0.5982	0.11142	10.6101109	0.004740749	1.096E-06	0.3207382	0.3058856	0.208911	0.097647	0.01745408	11.53058
5693	485577.49	3855647.17	0.5727	0.11561	0.40865	3.04513	0.38944	0.86072	0.59	0.11561	10.5722671	0.004919027	9.801E-07	0.2837935	0.323101	0.21423	0.096303	0.01811045	11.4765
5694	485652.16	3855710.64	0.57303	0.11379	0.6266	3.54444	0.39988	0.84832	0.5955	0.11379	10.578359	0.004841589	1.503E-06	0.3303271	0.3317626	0.211144	0.097208	0.01782534	11.53582
5695	485726.83	3855774.1	0.57436	0.11136	0.6181	3.03758	0.43001	0.82905	0.5843	0.11136	10.6029113	0.004738196	1.482E-06	0.2830899	0.3567601	0.206348	0.095371	0.01744468	11.53178
5696	485801.49	3855837.57	0.57784	0.10933	0.66554	3.30061	0.45372	0.81597	0.564	0.10933	10.6671535	0.004651823	1.596E-06	0.3076032	0.3764312	0.203092	0.092064	0.01712668	11.63387

5697	485876.16	3855901.04	0.57983	0.10947	0.6928	2.99724	0.47819	0.80865	0.5424	0.10947	10.7038897	0.00465778	1.662E-06	0.2793304	0.3967329	0.20127	0.088537	0.01714861	11.65727
5698	485950.83	3855964.5	0.58579	0.10984	0.63801	3.30212	0.50894	0.79365	0.5232	0.10984	10.8139136	0.004673523	1.53E-06	0.3077439	0.4222448	0.197537	0.085395	0.01720657	11.8143
5699	486025.5	3856027.97	0.59854	0.10862	0.53615	3.12513	0.53052	0.78109	0.4956	0.10862	11.0492837	0.004621613	1.286E-06	0.2912492	0.4401488	0.194411	0.08089	0.01701546	12.04359
5700	486100.17	3856091.44	0.59014	0.10841	0.55847	3.22757	0.57962	0.77781	0.4946	0.10841	10.8942164	0.004612678	1.339E-06	0.3007962	0.4808848	0.193594	0.080725	0.01698256	11.93785
5701	486174.83	3856154.9	0.59701	0.10757	0.50211	3.0776	0.61238	0.75878	0.468	0.10757	11.0210393	0.004576938	1.204E-06	0.2868196	0.5080643	0.188858	0.076386	0.01685097	12.06889
5702	486249.5	3856218.37	0.61196	0.09884	0.4199	3.23135	0.61867	0.7194	0.4339	0.09884	11.2970221	0.00420549	1.007E-06	0.3011485	0.5132829	0.179056	0.070817	0.01548341	12.35005
5703	486324.17	3856281.84	0.6261	0.09587	0.34763	3.09126	0.64298	0.72283	0.4257	0.09587	11.5580521	0.004079121	8.337E-07	0.2880926	0.5334518	0.17991	0.069485	0.01501815	12.61805
5704	486398.84	3856345.3	0.62726	0.09567	0.35753	3.3085	0.69605	0.73703	0.4333	0.09567	11.5794661	0.004070611	8.575E-07	0.3083385	0.5774816	0.183444	0.070722	0.01498682	12.70854
5705	486473.51	3856408.77	0.63172	0.09417	0.38744	3.08231	0.85848	0.73634	0.4211	0.09417	11.6617995	0.004006788	9.292E-07	0.2872585	0.7122425	0.183273	0.068736	0.01475185	12.90256
5706	486548.17	3856472.24	0.63229	0.09331	0.36462	3.20948	1.01576	0.73516	0.4211	0.09331	11.6723219	0.003970197	8.745E-07	0.2991103	0.8427307	0.182979	0.068729	0.01461713	13.05522
5707	486622.84	3856535.7	0.63241	0.09424	0.36939	3.53916	1.30289	0.73074	0.4233	0.09424	11.6745372	0.004009767	8.859E-07	0.3298351	1.0809497	0.181879	0.069087	0.01476281	13.32553
5708	486765.48	3856659.69	0.61682	0.10144	0.33715	2.8201	2.03251	0.73102	0.398	0.10144	11.3867396	0.004316116	8.086E-07	0.2628217	1.6862828	0.181948	0.064957	0.0158907	13.57118
5709	486833.44	3856720.2	0.6216	0.10471	0.35378	3.49091	2.4464	0.74891	0.3909	0.10471	11.4749803	0.004455249	8.485E-07	0.3253384	2.0296689	0.186401	0.063813	0.01640295	14.06825
5710	486901.41	3856780.72	0.62523	0.10939	0.29792	3.37645	3.24256	0.76872	0.3825	0.10939	11.5419915	0.004654376	7.145E-07	0.3146712	2.6902073	0.191332	0.062427	0.01713608	14.78815
5711	486969.38	3856841.24	0.62412	0.11175	0.35839	3.24606	5.21271	0.77975	0.3795	0.11175	11.5215005	0.00475479	8.595E-07	0.3025194	4.3247528	0.194077	0.061947	0.01750577	16.39205
5712	487037.34	3856901.75	0.62649	0.11574	0.35035	3.14664	6.25675	0.78177	0.3788	0.11574	11.5652516	0.004924558	8.403E-07	0.2932538	5.1909461	0.19458	0.061828	0.01813081	17.29265
5713	487271.23	3856855.51	0.48149	0.1092	0.30145	0.72454	7.97026	0.44347	0.2792	0.1092	8.88849465	0.004646292	7.23E-07	0.0675241	6.6125689	0.110378	0.045572	0.01710631	15.71208
5714	487368.95	3856857.29	0.45167	0.10726	0.24647	0.60402	8.29937	0.38634	0.2626	0.10726	8.33800573	0.004563748	5.911E-07	0.0562922	6.8856167	0.096159	0.04287	0.01680241	15.40671
5715	487466.68	3856859.06	0.42823	0.10575	0.25074	0.53762	7.76519	0.3528	0.2353	0.10575	7.90529411	0.004499499	6.014E-07	0.050104	6.4424314	0.087811	0.0384	0.01656587	14.51197
5716	487636.44	3856930	0.40347	0.10872	0.28562	0.48499	8.98609	0.32353	0.2072	0.10872	7.44821478	0.004625868	6.85E-07	0.0451991	7.4553577	0.080526	0.033818	0.01703112	15.05071
5717	487709.57	3856928.43	0.38841	0.1077	0.2411	0.45393	8.56719	0.3094	0.1996	0.1077	7.17020126	0.004582469	5.782E-07	0.0423044	7.107815	0.077009	0.032582	0.01687134	14.41762
5718	487782.55	3856841.96	0.36408	0.10053	0.26004	0.38087	7.23626	0.26603	0.1841	0.10053	6.7210599	0.004277396	6.237E-07	0.0354955	6.0036018	0.066214	0.030055	0.01574815	12.84496
5719	487849.83	3856754.74	0.34303	0.09388	0.25551	0.3283	5.69664	0.22704	0.1704	0.09388	6.33246863	0.003994449	6.128E-07	0.0305962	4.7262479	0.056509	0.027816	0.01470642	11.16293
5720	487918.03	3856819.39	0.34138	0.09702	0.26641	0.34669	6.09491	0.22802	0.1717	0.09702	6.30200898	0.004128051	6.389E-07	0.0323101	5.0566747	0.056753	0.028033	0.0151983	11.46471
5721	487918.8	3856886.37	0.34933	0.10145	0.25044	0.36107	7.53895	0.24761	0.1769	0.10145	6.4487691	0.004316541	6.006E-07	0.0336502	6.2547302	0.061629	0.028882	0.01589227	12.81609
5722	488065.46	3857127.5	0.3578	0.10903	0.25622	0.39683	9.42118	0.28227	0.1849	0.10903	6.60512863	0.004639058	6.145E-07	0.0369829	7.8163324	0.070256	0.030179	0.01707968	14.54644
5723	488192.19	3857385.83	0.37104	0.12661	0.25555	0.47635	8.45786	0.33833	0.2101	0.12661	6.84954424	0.00538706	6.129E-07	0.0443938	7.0171088	0.084209	0.034293	0.01983361	14.0151
5724	488191.21	3857473.87	0.38845	0.13606	0.41834	0.51425	8.12623	0.37096	0.2115	0.13606	7.17093968	0.005789143	1.003E-06	0.047926	6.7419702	0.092331	0.034516	0.02131396	14.07216
5725	488190.24	3857561.9	0.41231	0.14658	0.34635	0.57264	7.99179	0.42224	0.2225	0.14658	7.61140466	0.006236753	8.307E-07	0.0533677	6.6304313	0.105094	0.036323	0.02296194	14.4199
5726	488158.35	3857691.13	0.47253	0.15824	0.63374	0.78746	6.45142	0.58501	0.2554	0.15824	8.72308953	0.006732868	1.52E-06	0.073388	5.3524551	0.145607	0.04169	0.02478849	14.31818
5727	488208.37	3857816.66	0.50749	0.17207	0.95452	1.03481	3.87636	0.79704	0.2768	0.17207	9.36846487	0.007321313	2.289E-06	0.09644	3.2160428	0.198381	0.045178	0.02695498	12.90488
5728	488271.97	3857874.6	0.50723	0.17826	1.08076	1.04285	3.03899	0.81227	0.2763	0.17826	9.36366516	0.007584688	2.592E-06	0.0971893	2.5213143	0.202171	0.045097	0.02792465	12.2091
5729	488463.56	3857942.31	0.46959	0.18284	0.8925	0.78753	2.48667	0.70066	0.2497	0.18284	8.66881597	0.00777956	2.141E-06	0.0733945	2.0630791	0.174392	0.040761	0.02864211	10.99958
5730	488554.83	3857940.83	0.43392	0.17591	0.80612	0.67359	2.55427	0.62421	0.228	0.17591	8.01033375	0.007484699	1.933E-06	0.0627758	2.1191638	0.155364	0.037223	0.02755652	10.36479
5731	488646.1	3857939.36	0.40954	0.16853	0.73744	0.6008	2.34197	0.57285	0.214	0.16853	7.56026937	0.007170692	1.769E-06	0.0559921	1.9430279	0.14258	0.034937	0.02640043	9.717579
5732	488737.37	3857937.88	0.38888	0.16318	0.68893	0.55139	2.26578	0.53084	0.204	0.16318	7.17887765	0.006943057	1.652E-06	0.0513873	1.8798165	0.132124	0.033299	0.02556235	9.256887
5733	488733.59	3857960.57	0.40029	0.16798	0.64693	0.56639	2.21546	0.54048	0.2071	0.16798	7.38951073	0.00714729	1.552E-06	0.0527852	1.8380682	0.134524	0.033805	0.02631427	9.429527
5734	488638.09	3857961.57	0.41699	0.17421	0.71467	0.6245	2.25939	0.58467	0.2185	0.17421	7.6977993	0.007412367	1.714E-06	0.0582008	1.874515	0.145522	0.035659	0.02729021	9.79182
5735	488542.6	3857962.56	0.45091	0.18185	0.7901	0.71262	2.31533	0.64308	0.2345	0.18185	8.32397583	0.007737437	1.895E-06	0.0664132	1.9209259	0.16006	0.038269	0.02848702	10.4889
5736	488447.1	3857963.56	0.48396	0.18684	0.88655	0.8584	2.45952	0.73185	0.2597	0.18684	8.93409182	0.007949754	2.126E-06	0.0799993	2.0405539	0.182155	0.04239	0.02926871	11.25787
5737	488254.28	3857890.36	0.52729	0.18163	1.0299	1.16633	3.04395	0.89705	0.2887	0.18163	9.73398065	0.007728076	2.47E-06	0.1086971	2.5254294	0.223273	0.047124	0.02845256	12.61778
5738	488191.69	3857833.06	0.52683	0.17482	1.01025	1.13895	3.55031	0.87382	0.287	0.17482	9.72548887	0.007438321	2.423E-06	0.1061454	2.9455337	0.217491	0.046848	0.02738577	13.02156
5739	488129.5	3857907.43	0.60399	0.19356	1.23522	3.32366	3.87186	1.54236	0.361	0.19356	11.1498928	0.008235679	2.962E-06	0.3097514	3.2123094	0.383888	0.058929	0.03032141	15.09269
5740	488196.47	3857968.73	0.60313	0.20676	1.2017	3.39275	3.08293	1.51717	0.3578	0.20676	11.1340169	0.008797319	2.882E-06	0.3161903	2.5577694	0.377618	0.058397	0.03238921	14.4204
5741	488263.44	3858030.04	0.60757	0.22092	0.95103	3.40293	2.57207	1.496	0.3482	0.22092	11.215981	0.009399805	2.281E-06	0.317139	2.1339316	0.372349	0.056839	0.03460739	14.07104
5742	488400.64	3858132.9	0.62095	0.23557	0.78669	2.31617	2.23903	1.24913	0.3276	0.23557	11.4629811	0.01002314	1.887E-06	0.2158575	1.8576232	0.310904	0.05347	0.03690233	13.87396
5743	488519.89	3858218.38	0.63687	0.25455	0.65542	1.8887	1.94109	1.12824	0.344	0.25455	11.7568705	0.01083071	1.572E-06	0.176019	1.6104357	0.280815	0.056147	0.03987557	13.85124
5744	488647.97	3858214.99	0.55359	0.2332	0.58973	1.04646	1.70197	0.82735	0.2833	0.2332	10.219489	0.0099223	1.414E-06	0.0975257	1.4120485	0.205925	0.046241	0.03653106	11.95462
5745	488727.05	3858167.67	0.48914	0.20348	0.58665	0.7805	1.66832	0.6853	0.2458	0.20348	9.02971665	0.00865776	1.407E-06	0.0727394	1.3841306	0.170569	0.040117	0.03187539	10.67406
5746	488806.12	3858120.35	0.46283	0.18939	0.59786	0.6588	1.75623	0.60063	0.221	0.18939	8.54402371	0.008058252	1.434E-06	0.0613974	1.4570656	0.149495	0.036075	0.02966817	10.22645
5747	488885.2	3858073.03	0.44073	0.17772	0.56877	0.57596	1.93209	0.53023	0.2032	0.17772	8.13604903	0.007561712	1.364E-06	0.0536771	1.6029688	0.131972	0.033168	0.02784005	9.937558
5748	489055.76	3857991.17	0.40632	0.15724	0.50102	0.48225	1.75123	0.44402	0.1798	0.15724	7.5008269	0.006690319	1.202E-06	0.0449437	1.4529173	0.110515	0.02935	0.02463184	9.120613
5749	489245.39	3857944.54	0.39371	0.13962	0.51376	0.43445	1.74941	0.37301	0.1666	0.13962	7.26804135	0.005940616	1.232E-06	0.0404889	1.4514074	0.092841	0.027186	0.02187164	8.864035
5750	489430.63	3857930.91	0.38783	0.13066	0.51968	0.41656	1.75642	0.34114	0.1545	0.13066	7.15949423	0.005559381	1.246E-06	0.0388217	1.4572233	0.084909	0.025222	0.02046805	8.750762
5751	489517.74	3857929.36	0.39346	0.12688	0.50743	0.4891	1.76632	0.32959	0.1485	0.12688	7.26342625	0.005398548	1.217E-06	0.0455821	1.4654368	0.082034	0.024243	0.01987591	8.866246
5752	489604.85	3857927.82	0.39009	0.12299	0.4903	0.5096	1.73174	0.31572	0.1422	0.12299	7.20121472	0.005233035	1.176E-06	0.0474926	1.4367474	0.078582	0.023203	0.01926653	8.773207
5753	489691.97	3857926.28	0.38163	0.12002	0.46367	0.46498	1.71598	0.30182	0.1359	0.12002	7.0450398	0.005106666	1.112E-06	0.0433342	1.423672	0.075122	0.022178	0.01880128	8.595652

5754	489779.08	3857924.73	0.37426	0.11706	0.44322	0.44596	1.68258	0.29162	0.1305	0.11706	6.9089867	0.004980722	1.063E-06	0.0415616	1.3959615	0.072583	0.021301	0.01833759	8.427039
5755	490017.55	3857875.08	0.33614	0.10676	0.34174	0.41187	1.40898	0.26341	0.1178	0.10676	6.20527652	0.004542473	8.196E-07	0.0383846	1.1689678	0.065562	0.019235	0.01672408	7.485245
5756	490033.82	3857960.81	0.35253	0.11238	0.34812	0.47088	1.50947	0.26899	0.124	0.11238	6.50784236	0.004781596	8.349E-07	0.0438841	1.2523399	0.066951	0.020235	0.01760446	7.87843
5757	489959.15	3857987.49	0.34732	0.11707	0.37207	0.49298	1.55645	0.28348	0.129	0.11707	6.41166371	0.004981148	8.924E-07	0.0459437	1.2913171	0.070557	0.021063	0.01833916	7.827188
5758	489791.49	3858016.12	0.36493	0.12217	0.39487	0.56899	1.6028	0.29852	0.1383	0.12217	6.73675123	0.005198145	9.47E-07	0.0530275	1.3297716	0.074301	0.022573	0.01913808	8.202485
5759	489698.51	3858018.07	0.3683	0.12641	0.4173	0.52677	1.54946	0.31247	0.1449	0.12641	6.79896276	0.005378551	1.001E-06	0.0490928	1.2855178	0.077773	0.023652	0.01980228	8.220575
5760	489605.52	3858020.01	0.37003	0.13063	0.45724	0.55493	1.54074	0.33162	0.152	0.13063	6.83089924	0.005558105	1.097E-06	0.0517172	1.2782832	0.082539	0.024812	0.02046335	8.253347
5761	489512.53	3858021.96	0.36931	0.13429	0.46706	0.54553	1.66089	0.34515	0.1567	0.13429	6.81760776	0.005713832	1.12E-06	0.0508411	1.3779663	0.085907	0.02557	0.02103669	8.34257
5762	489419.55	3858023.91	0.37862	0.1396	0.47592	0.48883	1.5514	0.36139	0.1612	0.1396	6.98947401	0.005939765	1.141E-06	0.0455569	1.2871273	0.089949	0.026312	0.02186851	8.422492
5763	489228.47	3858041.29	0.40221	0.14883	0.50438	0.48231	1.46191	0.39563	0.1715	0.14883	7.42495469	0.006332487	1.21E-06	0.0449493	1.2128815	0.098471	0.027987	0.0233144	8.792263
5764	489065.75	3858085.78	0.42753	0.16548	0.51868	0.53643	1.74968	0.46147	0.1848	0.16548	7.89237184	0.007040919	1.244E-06	0.0499931	1.4516314	0.114858	0.03016	0.02592264	9.520134
5765	489001.12	3858114.86	0.45341	0.17297	0.50706	0.57013	1.83757	0.50939	0.1935	0.17297	8.37012681	0.007359607	1.216E-06	0.0531338	1.5245498	0.126785	0.031591	0.02709596	10.08645
5766	488861.89	3858189.81	0.49464	0.19272	0.54001	0.69928	1.66698	0.61237	0.2227	0.19272	9.13124882	0.008199939	1.295E-06	0.06517	1.3830189	0.152417	0.036343	0.03018982	10.74621
5767	488787.29	3858235.69	0.53864	0.21964	0.51505	0.82781	1.5518	0.70383	0.2498	0.21964	9.94350611	0.009345343	1.235E-06	0.0771485	1.2874592	0.175181	0.040779	0.03440687	11.49901
5768	488712.68	3858281.57	0.60668	0.24138	0.58656	1.10466	1.52255	0.82361	0.2886	0.24138	11.1995513	0.010270347	1.407E-06	0.1029497	1.2631918	0.204994	0.047103	0.03781247	12.79025
5769	488654.39	3858436.17	0.62473	0.31386	0.58601	3.49124	1.53246	1.8184	0.4083	0.31386	11.5327613	0.013354259	1.405E-06	0.3253691	1.2714136	0.452594	0.066645	0.04916655	13.61297
5770	488726.3	3858505.26	0.55666	0.3331	0.61273	3.31877	1.36522	1.6838	0.4101	0.3331	10.2761624	0.014172891	1.47E-06	0.3092956	1.1326621	0.419092	0.066943	0.05218052	12.16615
5771	488880.6	3858599.28	0.59278	0.34923	0.49884	3.26125	1.21955	1.5636	0.3745	0.34923	10.9429518	0.014859198	1.196E-06	0.303935	1.0118062	0.389175	0.061136	0.0547073	12.66916
5772	489008.06	3858714.75	0.49451	0.37748	0.46826	3.75637	1.09786	1.57933	0.3999	0.37748	9.12884896	0.016061192	1.123E-06	0.3500781	0.9108454	0.39309	0.065267	0.0591327	10.80506
5773	489071.48	3858772.72	0.47545	0.39309	0.45786	3.51393	1.05021	1.55752	0.4071	0.39309	8.77699387	0.016725373	1.098E-06	0.3274837	0.8713123	0.387661	0.066447	0.06157803	10.38505
5774	489244.59	3858920.19	0.43579	0.44748	0.41655	4.44237	0.92143	1.40411	0.4532	0.44748	8.04485468	0.019039584	9.99E-07	0.4140105	0.7644693	0.349478	0.073975	0.07009829	9.59573
5775	489239.69	3858952.23	0.45114	0.49684	0.45736	4.46796	0.87756	2.00608	0.5052	0.49684	8.32822172	0.021139776	1.097E-06	0.4163954	0.7280724	0.499307	0.082457	0.07783059	9.997763
5776	489121.67	3858854.49	0.46236	0.44656	0.41963	4.40862	0.98151	1.83694	0.4772	0.44656	8.53534733	0.019000439	1.006E-06	0.4108651	0.814315	0.457208	0.077886	0.06995417	10.24467
5777	489059.59	3858797.27	0.47584	0.42046	0.45712	3.81199	1.03301	1.77238	0.4466	0.42046	8.78419343	0.017889924	1.096E-06	0.3552617	0.8570423	0.441139	0.0729	0.06586557	10.46256
5778	488997.52	3858740.04	0.49884	0.40072	0.48215	4.00561	1.08735	1.77635	0.4352	0.40072	9.20878247	0.017050018	1.156E-06	0.3733063	0.9021257	0.442127	0.071029	0.06277328	10.95165
5779	488935.44	3858682.82	0.53979	0.38368	0.46709	3.62675	1.13914	1.86928	0.4251	0.38368	9.96473556	0.016324992	1.12E-06	0.3379981	0.9450936	0.465257	0.069395	0.06010394	11.7387
5780	488869.17	3858848.43	0.59644	0.7626	0.45771	1.29104	0.99644	0.54048	1.1635	0.7626	11.0105168	0.032447454	1.098E-06	0.1203196	0.8267018	0.134524	0.189923	0.11946222	12.19497
5781	488932.48	3858892.69	0.5714	0.80282	0.51457	1.32316	1.00935	0.573	1.1677	0.80282	10.5482686	0.034158753	1.234E-06	0.123313	0.8374126	0.142618	0.190594	0.12576273	11.7506
5782	489063.27	3858977.17	0.55896	0.86426	0.60499	1.61178	0.99728	0.62598	1.0782	0.86426	10.3186213	0.03677293	1.451E-06	0.1502112	0.8273987	0.155804	0.175993	0.13538738	11.52942
5783	489248.2	3859117.15	0.541	1.25712	0.65955	1.83083	0.93725	0.6157	1.3323	1.25712	9.98707264	0.053488517	1.582E-06	0.1706258	0.7775945	0.153246	0.217466	0.19692938	11.16257
5784	489296.25	3859049.22	0.47229	0.63925	0.44382	2.07758	0.86639	0.99752	0.6205	0.63925	8.71865903	0.027199102	1.064E-06	0.1936219	0.7188051	0.248279	0.101285	0.10013929	9.907711
5785	489353.38	3858993.96	0.44693	0.46564	0.50942	3.48431	0.77095	1.43787	0.4553	0.46564	8.25050346	0.019812264	1.222E-06	0.3247233	0.6396228	0.357881	0.074323	0.07294307	9.593924
5786	489537.24	3859120.22	0.47275	0.50082	0.74542	3.27862	0.68572	1.57414	0.4903	0.50082	8.72715081	0.021309119	1.788E-06	0.3055538	0.5689113	0.391798	0.080034	0.07845406	10.01631
5787	489726.98	3859246.04	0.47502	0.54425	2.9741	3.50898	0.70933	1.56302	0.5223	0.54425	8.7690559	0.023156998	7.133E-06	0.3270224	0.5884994	0.38903	0.085256	0.08525743	10.09677
5788	489911.46	3859366.33	0.46715	0.58444	6.44139	3.50939	0.65869	1.51419	0.5523	0.58444	8.62377261	0.024867021	1.545E-05	0.3270606	0.5464857	0.376877	0.090156	0.09155324	9.897681
5789	490035.3	3859430.26	0.4687	0.57962	4.33092	3.39675	0.56472	1.57697	0.5565	0.57962	8.65238622	0.024661937	1.039E-05	0.316563	0.468523	0.392502	0.090842	0.09079818	9.85469
5790	490101.11	3859458.61	0.45806	0.56702	2.98297	3.1447	0.57844	1.54302	0.5442	0.56702	8.45596764	0.024125826	7.154E-06	0.293073	0.4799058	0.384052	0.088827	0.08882437	9.637135
5791	490312.68	3859560.3	0.42232	0.5832	1.30195	3.42937	0.44719	1.40629	0.5649	0.5832	7.79619319	0.02481426	3.123E-06	0.3196031	0.3710136	0.350021	0.092209	0.09135899	8.862499
5792	490401.63	3859603.12	0.42293	0.60341	1.06978	3.42232	0.46016	1.35485	0.6058	0.60341	7.80745403	0.025674165	2.566E-06	0.3189461	0.3817742	0.337218	0.098876	0.09452491	8.875419
5793	490490.57	3859645.94	0.4224	0.62171	0.89068	3.4097	0.47137	1.34151	0.6275	0.62171	7.79767002	0.026452802	2.136E-06	0.3177699	0.3910746	0.333897	0.102424	0.09739163	8.8719
5794	490579.51	3859688.76	0.4179	0.65018	0.87663	3.44898	0.48125	1.33508	0.6533	0.65018	7.71459825	0.027664156	2.102E-06	0.3214307	0.3992716	0.332297	0.106639	0.10185149	8.800051
5795	490668.45	3859731.58	0.41343	0.62372	0.80413	3.43661	0.49061	1.30665	0.6409	0.62372	7.6320803	0.026538324	1.929E-06	0.3202778	0.4070372	0.325221	0.104615	0.0977065	8.718065
5796	490757.4	3859774.4	0.41049	0.68818	0.75353	3.55085	0.49206	1.31807	0.712	0.68818	7.57780674	0.029280998	1.807E-06	0.3309245	0.4082402	0.328063	0.116211	0.10780424	8.682724
5797	491003.53	3859861.82	0.38366	0.62555	0.59722	3.41459	0.45148	1.19775	0.6507	0.62555	7.0825144	0.026616188	1.432E-06	0.3182257	0.3745728	0.298116	0.106219	0.09799317	8.108273
5798	491081.41	3859879.05	0.37288	0.57411	0.60033	3.70249	0.47803	1.21003	0.595	0.57411	6.88351136	0.024427495	1.44E-06	0.3450567	0.3966001	0.301172	0.097123	0.08993503	7.957957
5799	491229.76	3859917.82	0.36224	0.5125	0.53687	3.6438	0.41155	1.31299	0.5353	0.5125	6.68709278	0.021806085	1.288E-06	0.3395871	0.3414447	0.326799	0.087371	0.08028375	7.723818
5800	491300.22	3859939.35	0.35609	0.48436	0.50076	3.63123	0.39552	1.28515	0.5144	0.48436	6.57356136	0.020608771	1.201E-06	0.3384156	0.3281453	0.319869	0.08397	0.07587558	7.588696
5801	491350.48	3860012.03	0.38649	0.59126	0.45088	2.10976	0.38477	1.87636	0.5795	0.59126	7.13475731	0.025157201	1.081E-06	0.1966209	0.3192265	0.46702	0.094588	0.0926216	8.144749
5802	491406.82	3860092.56	0.37905	0.64261	0.44431	1.16333	0.39118	0.79626	0.6334	0.64261	6.99741198	0.027342064	1.066E-06	0.1084175	0.3245446	0.198186	0.103381	0.10066564	7.658619
5803	491483.36	3860121.96	0.36651	0.57403	0.43149	1.05884	0.3673	0.76542	0.5781	0.57403	6.76591865	0.024424091	1.035E-06	0.0986795	0.3047324	0.19051	0.094367	0.0899225	7.388711
5804	491559.91	3860151.35	0.35788	0.5301	0.41612	0.86546	0.34254	0.73074	0.5353	0.5301	6.60660546	0.022554937	9.98E-07	0.0806573	0.2841901	0.181879	0.087373	0.08304081	7.18022
5805	491711.81	3860237.76	0.36067	0.47568	0.38792	0.6256	0.32812	0.58931	0.4652	0.47568	6.65810996	0.02023945	9.304E-07	0.0583033	0.2722265	0.146677	0.075926	0.07451585	7.156967
5806	491755.2	3860319.07	0.36495	0.53195	0.2864	0.4984	0.32305	0.44762	0.5113	0.53195	6.73712044	0.022633652	6.869E-07	0.0464488	0.2680202	0.111411	0.083459	0.08333062	7.185763
5807	491704.71	3860366.54	0.30816	0.70929	0.26686	0.48899	0.35021	0.41102	0.7147	0.70929	5.68875472	0.030179196	6.4E-07	0.0455718	0.2905536	0.102301	0.116656	0.11111114	6.162907
5808	491623.42	3860462.39	0.25513	1.16864	0.18282	0.33814	0.34732	0.34065	1.056	1.16864	4.70980008	0.04972383	4.385E-07	0.0315132	0.2881559	0.084787	0.172369	0.18306888	5.153281
5809	491534.02	3860439.84	0.25769	0.5582	0.20654	0.38556	0.35352	0.36878	0.5632	0.5582	4.75705868	0.023750549	4.954E-07	0.0359326	0.2932998	0.091788	0.091925	0.08744271	5.206313
5810	491313.95	3860268.17	0.28846	0.73274	0.22835	0.50619	0.35447	0.34936	0.7418	0.73274	5.32508498	0.031176957	5.477E-07	0.0471748	0.2940879	0.086955	0.12108	0.11478461	5.790775

5811	491187.12	3860143.56	0.32436	0.91864	0.37887	0.69771	0.38836	0.47476	0.9612	0.91864	5.98781309	0.039086715	9.087E-07	0.0650237	0.322205	0.118166	0.156889	0.14390607	6.545278
5812	491070.43	3860075.97	0.33474	0.84921	0.41061	0.78366	0.39329	0.5685	0.8702	0.84921	6.17943197	0.036132576	9.848E-07	0.0730339	0.3262952	0.141498	0.142043	0.13302978	6.765406
5813	490995.09	3860039.38	0.33561	0.80598	0.44352	0.8436	0.38964	0.58128	0.8313	0.80598	6.19549251	0.034293206	1.064E-06	0.07862	0.3232669	0.144679	0.135692	0.12625775	6.785787
5814	490919.75	3860002.8	0.33401	0.83612	0.48243	0.91804	0.38495	0.62675	0.8253	0.83612	6.16595588	0.035575616	1.157E-06	0.0855575	0.3193758	0.155996	0.134704	0.13097922	6.766187
5815	490756.81	3859894.53	0.35675	1.62653	0.66	1.33618	0.39678	0.91312	1.4855	1.62653	6.58574522	0.069206343	1.583E-06	0.1245264	0.3291907	0.227272	0.242481	0.25479791	7.323626
5816	490668.07	3859860.92	0.36222	1.57916	0.6576	1.22772	0.37619	0.92485	1.4755	1.57916	6.68672357	0.067190822	1.577E-06	0.1144184	0.312108	0.230192	0.240845	0.24737734	7.404103
5817	490579.34	3859827.3	0.36909	1.57995	0.68918	1.20479	0.35567	0.87101	1.5142	1.57995	6.81354647	0.067224436	1.653E-06	0.1122814	0.2950835	0.216791	0.247166	0.24750109	7.504594
5818	490490.6	3859793.68	0.37452	1.47558	0.69393	1.16466	0.38385	0.79895	1.4407	1.47558	6.9137864	0.062783653	1.664E-06	0.1085415	0.3184632	0.198856	0.235159	0.2311514	7.60644
5819	490401.86	3859760.07	0.3801	1.41362	0.70437	1.14149	0.46013	0.72826	1.3963	1.41362	7.0167954	0.060147351	1.689E-06	0.1063821	0.3817493	0.181261	0.227921	0.22144529	7.752813
5820	490313.12	3859726.45	0.38655	1.41347	0.77765	1.12871	0.4982	0.6637	1.4024	1.41347	7.13586493	0.060140968	1.865E-06	0.1051911	0.4133343	0.165193	0.228918	0.2214218	7.887222
5821	490224.39	3859692.83	0.39066	1.43477	0.83784	1.14891	0.53972	0.66704	1.3886	1.43477	7.21173715	0.061047251	2.009E-06	0.1070737	0.4477816	0.166024	0.226666	0.22475847	7.995573
5822	490135.65	3859659.22	0.39182	1.4705	0.99504	1.1847	0.52576	0.65994	1.4493	1.4705	7.2331512	0.062567507	2.386E-06	0.1104091	0.4361996	0.164257	0.236559	0.23035562	8.01279
5823	489918.18	3859559.23	0.40581	1.3968	2.4834	1.11527	0.44309	0.65442	1.3954	1.3968	7.4914121	0.059431686	5.956E-06	0.1039385	0.367612	0.162883	0.227771	0.21881042	8.194244
5824	489743.61	3859486	0.40098	1.08067	3.48207	1.04559	0.5921	0.62603	1.0721	1.08067	7.4022484	0.045980842	8.351E-06	0.0974447	0.4912389	0.155817	0.174994	0.16928827	8.198444
5825	489660.32	3859440.27	0.39912	1.07674	7.28362	1.03074	0.66415	0.60911	1.0397	1.07674	7.36791207	0.045813626	1.747E-05	0.0960607	0.5510156	0.151605	0.16971	0.16867263	8.213463
5826	489577.04	3859394.53	0.39872	1.08497	4.121	1.00708	0.70148	0.58834	1.0044	1.08497	7.36052791	0.0461638	9.884E-06	0.0938557	0.5819866	0.146436	0.163942	0.16996187	8.22296
5827	489493.75	3859348.8	0.39861	1.0713	1.88118	0.97288	0.69399	0.56986	1.0106	1.0713	7.35849727	0.045582163	4.512E-06	0.0906684	0.5757725	0.141836	0.164964	0.16782045	8.209504
5828	489321.28	3859240.02	0.4256	1.22218	1.16639	1.12609	0.8877	0.5446	1.1112	1.22218	7.85674328	0.052001874	2.797E-06	0.1049469	0.7364851	0.135549	0.181378	0.19145599	8.875651
5829	489235.41	3859193.96	0.43948	1.2317	1.03036	2.01824	0.87438	0.5295	1.0969	1.2317	8.11297354	0.052406935	2.471E-06	0.1880916	0.725434	0.131791	0.179052	0.1929473	9.196804
5830	489149.54	3859147.89	0.45254	1.15587	0.84142	1.6861	0.87353	0.50759	1.0081	1.15587	8.35406627	0.049180486	2.018E-06	0.1571375	0.7247288	0.126337	0.164551	0.18106844	9.394935
5831	489063.68	3859101.82	0.47114	1.16281	0.7144	1.24154	0.87435	0.49419	0.9602	1.16281	8.69742958	0.049475772	1.713E-06	0.1157064	0.7254092	0.123002	0.156724	0.1821556	9.685593
5832	488977.81	3859055.75	0.49289	1.17332	0.63039	1.09584	0.93911	0.49097	0.8866	1.17332	9.09894313	0.049922956	1.512E-06	0.1021278	0.7791376	0.122201	0.144712	0.18380201	10.11324
5833	488891.94	3859009.69	0.57165	1.13257	0.66145	1.04805	0.98624	0.49859	0.7607	1.13257	10.5528837	0.048189107	1.586E-06	0.0976739	0.8182393	0.124097	0.124173	0.17741847	11.58784
5834	488808	3859060.73	0.58873	0.62216	0.54912	0.90695	0.89676	0.48383	0.5347	0.62216	10.8681872	0.026471948	1.317E-06	0.084524	0.7440017	0.120424	0.08727	0.09746212	11.83342
5835	488809.93	3859157.85	0.56903	0.4496	0.49596	0.79541	0.70506	0.50171	0.4128	0.4496	10.5045175	0.019129787	1.189E-06	0.0741289	0.5849568	0.124874	0.067376	0.07043039	11.30455
5836	488811.85	3859254.96	0.5718	0.36474	0.47184	0.66302	0.67974	0.54382	0.3532	0.36474	10.5556527	0.015519124	1.132E-06	0.0617907	0.5639499	0.135355	0.057659	0.05713697	11.33279
5837	488813.78	3859352.07	0.55878	0.30933	0.35615	0.61942	0.6409	0.4883	0.3058	0.30933	10.3152984	0.013161514	8.542E-07	0.0577274	0.5317261	0.121536	0.049909	0.04845692	11.0409
5838	488815.71	3859449.19	0.56642	0.27137	0.35489	0.57378	0.59463	0.61539	0.2678	0.27137	10.4563358	0.011546375	8.511E-07	0.0534739	0.493338	0.153168	0.043714	0.04251044	11.16907
5839	488910.04	3859547.1	0.50894	0.25358	0.56905	0.62415	0.58782	0.4845	0.2477	0.25358	9.39523244	0.010789438	1.365E-06	0.0581682	0.487688	0.12059	0.040437	0.03972362	10.07318
5840	489002.45	3859547.91	0.46329	0.26147	0.55744	0.74402	0.58629	0.49764	0.2637	0.26147	8.55251549	0.011125145	1.337E-06	0.0693396	0.4864186	0.123861	0.043047	0.04095959	9.245348
5841	489094.85	3859548.71	0.43314	0.28103	0.66876	1.04576	0.53633	0.45748	0.2839	0.28103	7.99593464	0.011957393	1.604E-06	0.0974605	0.4449691	0.113865	0.046336	0.04402369	8.6665
5842	489230.05	3859601.87	0.43213	0.28592	0.89802	1.96323	0.59051	0.47032	0.2957	0.28592	7.97728965	0.012165455	2.154E-06	0.1829649	0.4899198	0.117061	0.04826	0.04478972	8.782873
5843	489227.52	3859680.89	0.47283	0.25908	0.68954	1.99119	0.59723	0.42815	0.2654	0.25908	8.72862764	0.011023454	1.654E-06	0.1855707	0.4954951	0.106565	0.043327	0.0405852	9.530026
5844	489133.47	3859760.29	0.45989	0.23636	0.50478	1.26561	0.52812	0.36537	0.2295	0.23636	8.48975016	0.010056753	1.211E-06	0.1179496	0.4381576	0.090939	0.037468	0.03702608	9.147296
5845	489041.96	3859760.67	0.54164	0.22427	0.58052	0.79393	0.54201	0.34658	0.2168	0.22427	9.99888729	0.009542343	1.392E-06	0.073991	0.4496815	0.086263	0.035386	0.03513217	10.61862
5846	488950.45	3859761.05	0.56384	0.21543	0.66518	0.63302	0.51351	0.37095	0.1944	0.21543	10.408708	0.009166214	1.595E-06	0.0589948	0.4260363	0.092328	0.031725	0.03374737	10.99321
5847	488858.94	3859761.43	0.57732	0.20897	0.52941	0.54899	0.44875	0.39036	0.1858	0.20897	10.6575541	0.008891351	1.27E-06	0.0511636	0.3723078	0.097159	0.030321	0.0327354	11.18466
5848	488767.43	3859761.82	0.57668	0.19922	0.49341	0.47983	0.4383	0.45384	0.1845	0.19922	10.6457395	0.008476504	1.183E-06	0.0447182	0.3636379	0.112959	0.030122	0.03120806	11.17445
5849	488675.92	3859762.2	0.56285	0.18882	0.41963	0.44658	0.36222	0.49629	0.1846	0.18882	10.3904322	0.008034	1.006E-06	0.0416194	0.3005178	0.123525	0.03013	0.02957888	10.86468
5850	488584.41	3859762.58	0.54712	0.17789	0.40575	0.41771	0.24262	0.5825	0.1806	0.17789	10.1000502	0.007568945	9.731E-07	0.0389288	0.201291	0.144982	0.029481	0.02786669	10.49444
5851	488492.9	3859762.96	0.53594	0.16753	0.35036	0.38451	0.20963	0.71202	0.1727	0.16753	9.89366305	0.007128143	8.403E-07	0.0358347	0.1739207	0.177219	0.028196	0.02624378	10.28972
5852	488402.76	3859830.95	0.55343	0.16703	0.31571	0.36053	0.18021	1.2272	0.1653	0.16703	10.2165353	0.007106869	7.572E-07	0.0335999	0.1495122	0.305446	0.026985	0.02616545	10.71302
5853	488404.14	3859898.55	0.5306	0.16595	0.36878	0.35333	0.18155	1.2203	0.1628	0.16595	9.79508455	0.007060917	8.845E-07	0.0329289	0.1506239	0.303729	0.026572	0.02599627	10.29
5854	488505.18	3859964.96	0.48828	0.18343	0.37456	0.35824	0.14982	0.68679	0.164	0.18343	9.01384072	0.007804664	8.983E-07	0.0333865	0.124299	0.17094	0.026776	0.02873453	9.348313
5855	488604.84	3859963.76	0.47331	0.17176	0.34907	0.40201	0.21377	0.51687	0.1714	0.17176	8.73748863	0.007308123	8.372E-07	0.0374657	0.1773554	0.128647	0.027977	0.02690641	9.089337
5856	488704.51	3859962.56	0.46736	0.17858	0.30263	0.43672	0.26016	0.4491	0.1784	0.17858	8.62764929	0.007598304	7.258E-07	0.0407005	0.2158431	0.111779	0.029112	0.02797477	9.004708
5857	488804.18	3859961.37	0.46705	0.17556	0.34165	0.49056	0.37208	0.39675	0.1773	0.17556	8.62192657	0.007469807	8.194E-07	0.0457182	0.3086982	0.09875	0.028934	0.02750169	9.083995
5858	488903.85	3859960.17	0.47221	0.18089	0.33798	0.56415	0.3769	0.37762	0.1807	0.18089	8.7171822	0.007696591	8.106E-07	0.0525764	0.3126971	0.093988	0.029487	0.02833664	9.185292
5859	489003.52	3859958.97	0.47041	0.19092	0.42674	0.68704	0.45146	0.35492	0.1796	0.19092	8.68395349	0.008123352	1.023E-06	0.0640293	0.3745562	0.088338	0.029309	0.02990785	9.218403
5860	489103.18	3859957.77	0.46126	0.1985	0.39687	1.04023	0.49537	0.33495	0.1856	0.1985	8.5150409	0.008445869	9.518E-07	0.0969451	0.4109864	0.083368	0.030302	0.03109527	9.113994
5861	489201.48	3860046.59	0.47547	0.19349	0.44939	2.04343	0.48601	0.31762	0.1882	0.19349	8.77736308	0.008232701	1.078E-06	0.1904392	0.4032208	0.079055	0.030715	0.03031044	9.458716
5862	489200.11	3860136.61	0.52385	0.19568	0.50425	1.93905	0.46494	0.31113	0.1966	0.19568	9.6704769	0.008325882	1.209E-06	0.1807114	0.38574	0.077439	0.032086	0.03065351	10.32413
5863	489198.74	3860226.63	0.5234	0.2023	0.53305	2.60038	0.43782	0.30325	0.2069	0.2023	9.66216972	0.008607553	1.278E-06	0.2423447	0.3632397	0.075478	0.033767	0.03169054	10.35392
5864	489197.38	3860316.66	0.52457	0.18499	0.47711	2.53281	0.40535	0.29792	0.1864	0.18499	9.68376838	0.007871039	1.144E-06	0.2360474	0.3363008	0.074151	0.030432	0.02897891	10.33959
5865	489196.01	3860406.68	0.52468	0.16074	0.52736	2.45495	0.319	0.30715	0.1605	0.16074	9.68579902	0.006839239	1.265E-06	0.2287912	0.2646601	0.076449	0.026198	0.02518012	10.26356
5866	489194.64	3860496.7	0.52067	0.16697	0.39848	2.43169	0.29049	0.31722	0.1668	0.16697	9.61177285	0.007104316	9.557E-07	0.2266234	0.2410066	0.078955	0.027228	0.02615605	10.16654
5867	489193.27	3860586.72	0.46519	0.17424	0.36163	2.40104	0.28875	0.28219	0.1603	0.17424	8.58759024	0.007413643	8.673E-07	0.223767	0.239563	0.070236	0.026169	0.02729491	9.127445

5868	489092.02	3860678.13	0.38681	0.12766	0.36184	0.91915	0.26243	0.29731	0.1294	0.12766	7.14066463	0.005431736	8.678E-07	0.085661	0.2177265	0.073999	0.021115	0.01999809	7.524601
5869	488992.13	3860679.53	0.44833	0.12256	0.34191	0.60921	0.17797	0.3207	0.127	0.12256	8.27634801	0.005214739	8.2E-07	0.0567759	0.1476538	0.079821	0.020724	0.01919917	8.567339
5870	488892.24	3860680.92	0.44625	0.12021	0.28681	0.48395	0.12311	0.3512	0.125	0.12021	8.2379504	0.00511475	6.879E-07	0.0451021	0.1021389	0.087412	0.020407	0.01883104	8.479295
5871	488792.36	3860682.31	0.43234	0.11782	0.25065	0.40968	0.11935	0.39667	0.123	0.11782	7.98116633	0.005013059	6.011E-07	0.0381805	0.0990194	0.09873	0.020069	0.01845665	8.223722
5872	488692.48	3860683.7	0.41338	0.11581	0.21971	0.36126	0.08074	0.46533	0.1213	0.11581	7.63115728	0.004927537	5.269E-07	0.0336679	0.0669864	0.115819	0.019791	0.01814178	7.854208
5873	488592.59	3860685.09	0.39586	0.11317	0.23994	0.32124	0.08751	0.57542	0.1187	0.11317	7.30773119	0.004815209	5.755E-07	0.0299382	0.0726031	0.14322	0.019379	0.01772822	7.559959
5874	488492.71	3860686.49	0.40484	0.11176	0.20052	0.29681	0.14208	0.82632	0.1166	0.11176	7.47350552	0.004755216	4.809E-07	0.0276615	0.1178774	0.205668	0.019028	0.01750734	7.830989
5875	488299.07	3860762.18	0.38511	0.10078	0.14347	0.2469	0.19024	0.58634	0.1018	0.10078	7.10928197	0.004288034	3.441E-07	0.0230101	0.1578336	0.145938	0.016613	0.01578731	7.441178
5876	488205.32	3860764.09	0.37849	0.09599	0.1793	0.23705	0.23703	0.62002	0.0953	0.09599	6.98707416	0.004084226	4.3E-07	0.0220921	0.1966532	0.154321	0.015552	0.01503695	7.36474
5877	488111.56	3860766	0.36557	0.09476	0.2173	0.22792	0.21506	0.67779	0.0912	0.09476	6.74856589	0.004031892	5.212E-07	0.0212412	0.1784257	0.1687	0.014888	0.01484427	7.121009
5878	488017.81	3860767.91	0.34547	0.09253	0.16979	0.21905	0.25204	0.69038	0.0908	0.09253	6.37751198	0.003937009	4.072E-07	0.0204146	0.2091063	0.171833	0.014828	0.01449494	6.783136
5879	487924.06	3860769.81	0.34553	0.09021	0.16332	0.20454	0.24417	0.58314	0.0903	0.09021	6.37861961	0.003838296	3.917E-07	0.0190623	0.2025769	0.145142	0.014731	0.01413151	6.749839
5880	487830.31	3860771.72	0.31459	0.08988	0.17168	0.19035	0.27266	0.5622	0.0899	0.08988	5.80745505	0.003824255	4.117E-07	0.0177398	0.2262138	0.13993	0.014681	0.01407981	6.195764
5881	487736.55	3860773.63	0.28406	0.08984	0.16213	0.1896	0.24952	0.55575	0.0876	0.08984	5.24385925	0.003822553	3.888E-07	0.0176699	0.2070156	0.138324	0.0143	0.01407355	5.610919
5882	487642.8	3860775.54	0.26323	0.09248	0.13745	0.19299	0.23322	0.49111	0.0845	0.09248	4.85932926	0.003934881	3.297E-07	0.0179859	0.1934922	0.122236	0.013798	0.0144871	5.196289
5883	487549.48	3860684.71	0.29836	0.0956	0.1627	0.20497	0.23502	0.50037	0.081	0.0956	5.50784287	0.004067633	3.902E-07	0.0191024	0.1949856	0.12454	0.013226	0.01497586	5.84879
5884	487549.91	3860591.97	0.33482	0.09913	0.18745	0.21039	0.23522	0.59187	0.0854	0.09913	6.1809088	0.004217829	4.496E-07	0.0196075	0.1951515	0.147314	0.013943	0.01552884	6.545615
5885	487550.34	3860499.23	0.37697	0.10144	0.18876	0.21976	0.23607	0.7209	0.0879	0.10144	6.95901437	0.004316116	4.527E-07	0.0204807	0.1958567	0.17943	0.014354	0.0158907	7.357562
5886	487550.76	3860406.49	0.45549	0.10414	0.18999	0.22787	0.23703	0.70697	0.092	0.10414	8.40852443	0.004430996	4.557E-07	0.0212365	0.1966532	0.175962	0.015014	0.01631366	8.805508
5887	487551.19	3860313.75	0.52685	0.11299	0.2029	0.22887	0.23738	0.86694	0.108	0.11299	9.72585808	0.00480755	4.866E-07	0.0213297	0.1969436	0.215778	0.017629	0.01770002	10.16465
5888	487551.62	3860221.01	0.54445	0.14359	0.20049	0.24182	0.23781	0.88817	0.1155	0.14359	10.050761	0.006109533	4.808E-07	0.0225366	0.1973003	0.221062	0.018845	0.02249355	10.49412
5889	487552.05	3860128.27	0.55198	0.12085	0.20412	0.24996	0.23893	0.88541	0.1179	0.12085	10.1897678	0.005141981	4.895E-07	0.0232952	0.1982296	0.220376	0.019245	0.0189313	10.63712
5890	487552.48	3860035.53	0.5543	0.12371	0.19082	0.25601	0.23956	0.93889	0.1126	0.12371	10.2325959	0.00526367	4.577E-07	0.0238591	0.1987522	0.233687	0.018383	0.01937932	10.69316
5891	487552.91	3859942.79	0.5534	0.1337	0.20635	0.25715	0.24496	0.92497	0.1224	0.1337	10.2159815	0.005688729	4.949E-07	0.0239653	0.2032324	0.230222	0.019974	0.02094427	10.67812
5892	487553.33	3859850.05	0.54946	0.15319	0.24139	0.26036	0.26804	0.89039	0.1268	0.15319	10.1432476	0.006517998	5.789E-07	0.0242645	0.2223808	0.221615	0.020694	0.0239974	10.61472
5893	487553.76	3859757.31	0.53536	0.16763	0.28059	0.25546	0.31357	0.86893	0.1393	0.16763	9.88295602	0.007132398	6.73E-07	0.0238078	0.260155	0.216274	0.022741	0.02625944	10.38681
5894	487554.19	3859664.57	0.55593	0.15792	0.22194	0.2698	0.32196	0.89367	0.1539	0.15792	10.2626863	0.006719252	5.323E-07	0.0251442	0.2671158	0.222431	0.025127	0.02473836	10.78449
5895	487460.2	3859571.05	0.52101	0.1441	0.20508	0.26061	0.46077	0.86221	0.1372	0.1441	9.61804938	0.006131233	4.919E-07	0.0242878	0.3822803	0.214601	0.022388	0.02257344	10.24517
5896	487365.78	3859570.27	0.48222	0.14671	0.21073	0.24836	0.52057	0.79327	0.1408	0.14671	8.90197073	0.006242284	5.054E-07	0.0231461	0.4318937	0.197442	0.022983	0.0229823	9.560696
5897	487271.36	3859569.48	0.46411	0.15184	0.26998	0.24088	0.50999	0.81703	0.1433	0.15184	8.56765302	0.006460558	6.475E-07	0.022449	0.4231159	0.203356	0.023396	0.02378592	9.222645
5898	487176.94	3859568.7	0.44475	0.15292	0.238	0.24106	0.50165	0.73905	0.1464	0.15292	8.21025981	0.00650651	5.708E-07	0.0224658	0.4161966	0.183947	0.023889	0.0239551	8.83931
5899	487082.51	3859567.92	0.42514	0.15674	0.19422	0.23818	0.47263	0.75779	0.1457	0.15674	7.8482515	0.006669045	4.658E-07	0.0221974	0.39212	0.188611	0.023778	0.02455351	8.457074
5900	486988.09	3859567.14	0.40387	0.16053	0.24824	0.22505	0.45628	0.70387	0.1417	0.16053	7.45559894	0.006830304	5.954E-07	0.0209737	0.3785551	0.175191	0.023129	0.02514722	8.035132
5901	486893.67	3859566.36	0.3803	0.15469	0.17896	0.20635	0.52363	0.61634	0.138	0.15469	7.02048747	0.006581821	4.292E-07	0.019231	0.4344324	0.153405	0.022521	0.02423238	7.632426
5902	486799.25	3859565.58	0.35316	0.14243	0.22936	0.19317	0.55365	0.54762	0.1344	0.14243	6.51947241	0.006060177	5.501E-07	0.0180026	0.4593387	0.136301	0.021936	0.02231183	7.1388
5903	486704.83	3859564.79	0.34083	0.1337	0.27791	0.18726	0.56918	0.50193	0.131	0.1337	6.29185576	0.005688729	6.665E-07	0.0174519	0.4722232	0.124929	0.021386	0.02094427	6.912591
5904	486610.41	3859564.01	0.32963	0.13051	0.29643	0.18051	0.64683	0.46344	0.1278	0.13051	6.08509936	0.005552999	7.109E-07	0.0168228	0.536646	0.115349	0.020864	0.02044455	6.75989
5905	486515.99	3859563.23	0.31759	0.13022	0.28551	0.17675	0.64937	0.43287	0.1247	0.13022	5.86283623	0.00554066	6.847E-07	0.0164724	0.5387533	0.10774	0.020356	0.02039912	6.5313
5906	486421.57	3859562.45	0.30629	0.12955	0.35585	0.17162	0.6015	0.40547	0.1218	0.12955	5.65423379	0.005512153	8.534E-07	0.0159943	0.4990377	0.10092	0.01988	0.02029417	6.275284
5907	486327.14	3859561.67	0.29647	0.12581	0.32962	0.17291	0.59796	0.38108	0.1191	0.12581	5.47295273	0.005353021	7.905E-07	0.0161145	0.4961007	0.09485	0.019434	0.01970829	6.085097
5908	486232.72	3859560.89	0.287	0.119	0.23222	0.18005	0.54319	0.35504	0.1164	0.119	5.2981328	0.005063266	5.569E-07	0.0167799	0.4506605	0.088368	0.019001	0.01864149	5.859365
5909	486138.3	3859560.1	0.27659	0.11646	0.21244	0.18477	0.48608	0.34081	0.1137	0.11646	5.10596011	0.004955193	5.095E-07	0.0172198	0.4032789	0.084826	0.018559	0.0182436	5.616556
5910	486043.88	3859559.32	0.26658	0.11403	0.16917	0.18868	0.51672	0.3237	0.1087	0.11403	4.92117158	0.004851801	4.057E-07	0.0175842	0.4286995	0.080568	0.01774	0.01786294	5.452752
5911	485949.35	3859463.54	0.27837	0.11849	0.18884	0.20829	0.49485	0.32483	0.1156	0.11849	5.13881961	0.005041567	4.529E-07	0.0194118	0.410555	0.080849	0.018876	0.0185616	5.654992
5912	485949.24	3859368.55	0.29905	0.12487	0.21241	0.20565	0.50595	0.36622	0.1214	0.12487	5.52058054	0.005313026	5.094E-07	0.0191657	0.4197641	0.091151	0.019822	0.01956104	6.056236
5913	485949.12	3859273.55	0.33088	0.13083	0.2706	0.20781	0.49567	0.3891	0.1265	0.13083	6.10817485	0.005566615	6.49E-07	0.019367	0.4112353	0.096846	0.020644	0.02049468	6.641339
5914	485949.01	3859178.56	0.33478	0.13019	0.28444	0.22854	0.48383	0.41678	0.1161	0.13019	6.18017038	0.005539384	6.822E-07	0.021299	0.4014121	0.103735	0.018952	0.02039442	6.710715
5915	485948.9	3859083.56	0.34157	0.12777	0.25091	0.23059	0.57784	0.42416	0.1078	0.12777	6.30551645	0.005436416	6.018E-07	0.02149	0.479408	0.105572	0.017603	0.02001533	6.915011
5916	485948.79	3858988.56	0.36179	0.12821	0.27838	0.21819	0.71171	0.45641	0.1055	0.12821	6.6787856	0.005455138	6.676E-07	0.0203344	0.590474	0.113599	0.017221	0.02008425	7.405785
5917	485948.67	3858893.57	0.37254	0.13244	0.27542	0.21722	0.83183	0.4658	0.1032	0.13244	6.87723482	0.005635118	6.606E-07	0.020244	0.6901322	0.115936	0.016847	0.02074689	7.705283
5918	485948.56	3858798.57	0.38225	0.13905	0.29492	0.22028	0.96213	0.48643	0.1082	0.13905	7.05648524	0.005916363	7.073E-07	0.0205292	0.7982363	0.121071	0.017663	0.02178235	7.998119
5919	485948.45	3858703.58	0.38927	0.14494	0.3138	0.23119	0.99103	0.5162	0.1156	0.14494	7.1860772	0.006166973	7.526E-07	0.021546	0.8222133	0.12848	0.018871	0.02270503	8.16065
5920	485948.34	3858608.58	0.39873	0.15905	0.4331	0.23147	0.98833	0.56653	0.1193	0.15905	7.36071252	0.006767332	1.039E-06	0.021572	0.8199733	0.141007	0.01947	0.02491538	8.344588
5921	485948.22	3858513.59	0.40773	0.16339	0.35951	0.2089	1.03432	0.61744	0.1199	0.16339	7.52685606	0.006951992	8.622E-07	0.0194686	0.8581291	0.153679	0.019568	0.02559524	8.559058
5922	485948.11	3858418.59	0.41488	0.16989	0.3731	0.20103	0.97098	0.67524	0.1208	0.16989	7.65884787	0.007228557	8.948E-07	0.0187352	0.8055788	0.168065	0.019713	0.02661348	8.651556
5923	485948	3858323.59	0.43069	0.17659	0.39778	0.2028	1.00155	0.69834	0.1236	0.17659	7.95070668	0.007513632	9.54E-07	0.0189001	0.8309413	0.173814	0.020177	0.02766304	8.974391
5924	485947.89	3858228.6	0.4565	0.18359	0.26088	0.19499	0.96861	0.75104	0.1254	0.18359	8.42716942	0.007811471	6.257E-07	0.0181723	0.8036125	0.186931	0.020466	0.0287596	9.435404

5925	485947.77	3858133.6	0.48527	0.19256	0.23517	0.19817	1.09018	0.81541	0.1254	0.19256	8.95827493	0.008193131	5.64E-07	0.0184686	0.9044737	0.202953	0.020464	0.03016476	10.08266
5926	485947.66	3858038.61	0.52324	0.20915	0.19822	0.19407	1.14245	0.91582	0.1257	0.20915	9.65921606	0.00889901	4.754E-07	0.0180865	0.9478398	0.227944	0.02051	0.0327636	10.84973
5927	485854.54	3857943.35	0.56068	0.21152	0.20186	0.18139	1.30759	0.71276	0.1238	0.21152	10.3503732	0.00899985	4.841E-07	0.0169048	1.084849	0.177404	0.020203	0.03313487	11.6256
5928	485761.52	3857943.09	0.50356	0.20209	0.23798	0.17903	1.33349	0.63314	0.121	0.20209	9.29591552	0.008598618	5.708E-07	0.0166849	1.1063371	0.157586	0.019743	0.03165764	10.57321
5929	485668.51	3857942.83	0.45648	0.19463	0.21698	0.17817	1.34212	0.57533	0.1155	0.19463	8.42680022	0.008281206	5.204E-07	0.0166047	1.113497	0.143198	0.018855	0.03048903	9.696747
5930	485575.5	3857942.56	0.41665	0.19002	0.19202	0.17682	1.27921	0.52909	0.1143	0.19002	7.69152276	0.008085058	4.605E-07	0.0164789	1.0613034	0.131689	0.018654	0.02976686	8.897966
5931	485482.48	3857942.3	0.39484	0.18499	0.17537	0.17624	1.21176	0.49323	0.1135	0.18499	7.28890159	0.007871039	4.206E-07	0.0164248	1.0053432	0.122763	0.018533	0.02897891	8.430858
5932	485389.47	3857942.04	0.3814	0.17473	0.16032	0.17561	1.22884	0.46315	0.1129	0.17473	7.04079391	0.007434492	3.845E-07	0.0163661	1.0195137	0.115276	0.018427	0.02737167	8.19044
5933	485296.46	3857941.78	0.37245	0.16919	0.14776	0.17498	1.24643	0.4378	0.1108	0.16919	6.87557339	0.007198774	3.544E-07	0.0163074	1.0341073	0.108967	0.018084	0.02650382	8.033734
5934	485203.45	3857941.52	0.35542	0.16453	0.14782	0.17756	1.26725	0.41628	0.1086	0.16453	6.5611929	0.007000498	3.545E-07	0.0165479	1.0513807	0.103611	0.017733	0.02577382	7.731692
5935	485110.43	3857941.26	0.33843	0.15165	0.12728	0.18111	1.25656	0.3974	0.1062	0.15165	6.24755082	0.006452474	3.053E-07	0.0168787	1.0425117	0.098912	0.01734	0.02375616	7.405889
5936	485017.42	3857940.99	0.32348	0.14695	0.12991	0.18442	1.14234	0.3808	0.1038	0.14695	5.97156794	0.006252496	3.116E-07	0.0171872	0.9477485	0.09478	0.01695	0.0230199	7.031466
5937	484924.41	3857940.73	0.31065	0.14288	0.13277	0.18793	1.02554	0.36606	0.1033	0.14288	5.7347211	0.006079324	3.184E-07	0.0175143	0.8508447	0.091111	0.016862	0.02238233	6.69475
5938	484831.39	3857940.47	0.30014	0.13972	0.16251	0.18858	0.91126	0.35302	0.1035	0.13972	5.54070237	0.005944871	3.898E-07	0.0175749	0.7560317	0.087865	0.016899	0.02188731	6.403131
5939	484738.12	3857859.3	0.29931	0.14074	0.16483	0.18175	0.86874	0.35493	0.1003	0.14074	5.52538024	0.00598827	3.953E-07	0.0169383	0.7207548	0.088341	0.016375	0.02204709	6.351731
5940	484737.85	3857778.4	0.31213	0.14519	0.22504	0.17047	0.93913	0.35833	0.0995	0.14519	5.76204248	0.006177611	5.397E-07	0.0158871	0.7791542	0.089187	0.01624	0.02274419	6.645945
5941	484737.59	3857697.49	0.32941	0.14989	0.2353	0.16263	1.0395	0.3548	0.1005	0.14989	6.08103807	0.006377588	5.643E-07	0.0151564	0.8624267	0.088309	0.016401	0.02348045	7.046229
5942	484737.32	3857616.59	0.35285	0.15476	0.25592	0.15931	0.99248	0.33794	0.1007	0.15476	6.51374969	0.006584799	6.138E-07	0.014847	0.8234163	0.084112	0.016431	0.02424334	7.434898
5943	484645.53	3857535.18	0.35306	0.15651	0.30442	0.15639	1.04385	0.31405	0.0997	0.15651	6.51762637	0.006659259	7.301E-07	0.0145749	0.8660357	0.078166	0.016274	0.02451748	7.474819
5944	484553.99	3857534.67	0.34333	0.153	0.36099	0.15471	0.99704	0.31069	0.098	0.153	6.33800674	0.006509914	8.658E-07	0.0144183	0.8271996	0.07733	0.01599	0.02396764	7.255487
5945	484462.46	3857534.17	0.33432	0.15058	0.33889	0.15564	0.91119	0.30707	0.0966	0.15058	6.1716786	0.006406947	8.128E-07	0.014505	0.7559737	0.076429	0.015763	0.02358854	7.017168
5946	484370.93	3857533.66	0.32589	0.14636	0.31145	0.15554	0.82803	0.3031	0.0955	0.14636	6.01605749	0.006227392	7.47E-07	0.0144957	0.6869795	0.075441	0.015592	0.02292747	6.791866
5947	484279.4	3857533.16	0.31836	0.14253	0.27797	0.15571	0.80284	0.29884	0.0958	0.14253	5.87705073	0.006064432	6.667E-07	0.0145115	0.6660805	0.07438	0.015641	0.0223275	6.631401
5948	484187.86	3857532.65	0.31205	0.13892	0.26453	0.15584	0.79513	0.29441	0.0953	0.13892	5.76056565	0.005910832	6.344E-07	0.0145236	0.6596839	0.073278	0.015548	0.02176199	6.507748
5949	484096.33	3857532.15	0.31388	0.13655	0.259	0.15633	0.78898	0.28969	0.0949	0.13655	5.79434817	0.005809992	6.212E-07	0.0145693	0.6545815	0.072103	0.015482	0.02139072	6.535504
5950	484004.8	3857531.64	0.29926	0.13394	0.33612	0.15641	0.77995	0.28482	0.0944	0.13394	5.52445722	0.00569894	8.061E-07	0.0145768	0.6470897	0.070891	0.015407	0.02098186	6.257139
5951	483913.27	3857531.14	0.29562	0.13113	0.32801	0.156	0.76822	0.28056	0.0939	0.13113	5.45726139	0.005579379	7.867E-07	0.0145386	0.6373578	0.06983	0.015324	0.02054167	6.179351
5952	483821.73	3857530.63	0.29995	0.12864	0.38842	0.15579	0.75886	0.27743	0.0935	0.12864	5.53719489	0.005473434	9.316E-07	0.014519	0.6295923	0.069051	0.015267	0.02015161	6.250947
5953	483729.61	3857450.11	0.29237	0.12936	0.40417	0.15368	0.59241	0.27574	0.0913	0.12936	5.39726511	0.005504068	9.693E-07	0.0143223	0.4914961	0.068631	0.014901	0.0202644	5.971856
5954	483729.03	3857370.08	0.30657	0.13264	0.33881	0.15181	0.46172	0.26671	0.09	0.13264	5.6594027	0.005643627	8.126E-07	0.0141481	0.3830685	0.066383	0.014694	0.02077822	6.122563
5955	483728.44	3857290.06	0.34898	0.13523	0.35171	0.14957	0.46853	0.25771	0.0892	0.13523	6.44230796	0.005753828	8.435E-07	0.0139393	0.3887184	0.064143	0.014557	0.02118394	6.908236
5956	483727.86	3857210.03	0.41772	0.13738	0.32305	0.14997	0.44895	0.24805	0.0888	0.13738	7.71127538	0.005845307	7.748E-07	0.0139766	0.3724738	0.061739	0.014501	0.02152074	8.158291
5957	483641.15	3857129.07	0.44558	0.13763	0.31185	0.15108	0.3705	0.24764	0.0885	0.13763	8.22558193	0.005855944	7.479E-07	0.01408	0.3073873	0.061637	0.014439	0.02155991	8.607422
5958	483555.03	3857128.14	0.41922	0.13584	0.25169	0.14855	0.35388	0.24072	0.0873	0.13584	7.73896597	0.005779782	6.036E-07	0.0138442	0.2935984	0.059914	0.014245	0.0212795	8.105069
5959	483468.91	3857127.2	0.39949	0.13367	0.26227	0.14564	0.33576	0.22998	0.0863	0.13367	7.37474242	0.005687452	6.29E-07	0.013573	0.2785651	0.057241	0.01408	0.02093957	7.72295
5960	483382.78	3857126.26	0.38485	0.1322	0.26751	0.14526	0.32218	0.23249	0.0857	0.1322	7.10448226	0.005624906	6.416E-07	0.0135376	0.2672984	0.057866	0.01399	0.02070929	7.442091
5961	483296.66	3857125.32	0.37183	0.12495	0.27481	0.14452	0.30779	0.22788	0.0851	0.12495	6.86412795	0.00531643	6.591E-07	0.0134687	0.2553596	0.056719	0.013894	0.01957357	7.189312
5962	483210.54	3857124.39	0.35852	0.12226	0.28004	0.14325	0.29355	0.22404	0.0845	0.12226	6.61842011	0.005201974	6.716E-07	0.0133503	0.2435453	0.055763	0.013798	0.01915218	6.930927
5963	483123.4	3857030.96	0.35264	0.12263	0.29951	0.14018	0.2368	0.21907	0.0834	0.12263	6.509873	0.005217717	7.183E-07	0.0130642	0.1964624	0.054526	0.013605	0.01921014	6.773539
5964	483122.38	3856938.46	0.38221	0.12634	0.34107	0.14048	0.24437	0.22053	0.0835	0.12634	7.05574683	0.005375572	8.18E-07	0.0130922	0.2027429	0.054889	0.013633	0.01979131	7.325689
5965	483121.35	3856845.97	0.40486	0.13019	0.3538	0.14182	0.25805	0.22185	0.0851	0.13019	7.47387473	0.005539384	8.485E-07	0.013217	0.2140926	0.055218	0.013896	0.02039442	7.755444
5966	483120.33	3856753.47	0.4131	0.13276	0.38518	0.14419	0.23243	0.22271	0.0858	0.13276	7.62598837	0.005648733	9.238E-07	0.0134379	0.1928368	0.055432	0.014007	0.02079702	7.886554
5967	483119.31	3856660.98	0.42169	0.13273	0.41415	0.14801	0.2271	0.22066	0.0854	0.13273	7.78456314	0.005647457	9.933E-07	0.0137939	0.1884147	0.054922	0.013935	0.02079232	8.040484
5968	483118.29	3856568.49	0.42752	0.13209	0.43853	0.15301	0.32755	0.2145	0.085	0.13209	7.89218723	0.005620226	1.052E-06	0.0142599	0.2717536	0.053388	0.013868	0.02069206	8.230386
5969	483117.26	3856475.99	0.43947	0.13501	0.42984	0.15794	0.45114	0.21147	0.0855	0.13501	8.11278893	0.005744467	1.031E-06	0.0147194	0.3742907	0.052634	0.013954	0.02114948	8.552984
5970	483116.24	3856383.5	0.46565	0.1385	0.49376	0.16123	0.45919	0.22283	0.0869	0.1385	8.59608202	0.005892961	1.184E-06	0.015026	0.3809694	0.055462	0.014188	0.02169619	9.045925
5971	483115.22	3856291.01	0.51072	0.14311	0.5079	0.16269	0.57689	0.23958	0.0888	0.14311	9.42809194	0.00608911	1.218E-06	0.015162	0.4786199	0.059631	0.014487	0.02241836	9.979663
5972	483114.2	3856198.51	0.57341	0.14831	0.26301	0.15344	0.5112	0.26108	0.0903	0.14831	10.585374	0.006310362	6.308E-07	0.0143	0.4241198	0.064982	0.014736	0.02323294	11.08659
5973	483113.17	3856106.02	0.63711	0.15486	0.21097	0.14591	0.37355	0.27367	0.0927	0.15486	11.761301	0.006589054	5.06E-07	0.0135982	0.3099178	0.068116	0.015136	0.02425901	12.1504
5974	483112.15	3856013.52	0.65862	0.16146	0.26751	0.14982	0.43073	0.28276	0.0944	0.16146	12.1583841	0.006869874	6.416E-07	0.0139626	0.3573574	0.070378	0.015412	0.02529291	12.59707
5975	483029.25	3855920.47	0.62042	0.16776	0.32453	0.15356	0.4557	0.28151	0.0975	0.16776	11.4531971	0.007137929	7.783E-07	0.0143112	0.3780739	0.070067	0.015915	0.02627981	11.91242
5976	482947.37	3855919.91	0.53364	0.15339	0.34496	0.15194	0.44573	0.26806	0.0942	0.15339	9.85120414	0.006526508	8.273E-07	0.0141602	0.3698023	0.066719	0.015379	0.02402873	10.29976
5977	482865.49	3855919.36	0.45907	0.14525	0.5276	0.15006	0.43359	0.25937	0.0932	0.14525	8.47461263	0.006180163	1.265E-06	0.013985	0.3597303	0.064556	0.015219	0.02275359	8.911531
5978	482783.61	3855918.8	0.43081	0.13984	0.55728	0.14846	0.42122	0.24953	0.0926	0.13984	7.95292193	0.005949976	1.337E-06	0.0138359	0.3494674	0.062107	0.01512	0.02190611	8.377497
5979	482700.33	3855818.39	0.45752	0.14027	0.58846	0.14963	0.4452	0.25036	0.0934	0.14027	8.44599903	0.005968272	1.411E-06	0.0139449	0.3693626	0.062314	0.015244	0.02197347	8.89086
5980	482698.92	3855718.54	0.55643	0.15604	0.56288	0.14889	0.40097	0.24392	0.0959	0.15604	10.2719165	0.006639261	1.35E-06	0.0138759	0.3326669	0.060711	0.01565	0.02444386	10.67702
5981	482697.52	3855618.68	0.6048	0.16224	0.4139	0.14713	0.40218	0.26106	0.0988	0.16224	11.1648457	0.006903062	9.927E-07	0.0137119	0.3336708	0.064977	0.016127	0.02541509	11.57482

5982	482696.11	3855518.83	0.61723	0.16968	0.50034	0.1535	0.32651	0.25188	0.1026	0.16968	11.3943084	0.007219622	1.2E-06	0.0143056	0.2708908	0.062692	0.016749	0.02658058	11.73959
5983	482694.71	3855418.98	0.61425	0.1769	0.49099	0.16159	0.23775	0.26292	0.1057	0.1769	11.3392964	0.007526822	1.178E-06	0.0150595	0.1972506	0.06544	0.017258	0.0277116	11.61412
5984	482693.3	3855319.13	0.60067	0.1854	0.50002	0.16676	0.28191	0.27986	0.1088	0.1854	11.0886043	0.007888484	1.199E-06	0.0155413	0.2338881	0.069656	0.017761	0.02904314	11.4043
5985	482691.9	3855219.27	0.58702	0.20699	0.72013	0.16733	0.27497	0.29231	0.1132	0.20699	10.8366199	0.008807105	1.727E-06	0.0155945	0.2281303	0.072755	0.018476	0.03242524	11.14796
5986	482690.49	3855119.42	0.57212	0.22093	0.92987	0.17635	0.2287	0.31568	0.1173	0.22093	10.5615601	0.009400231	2.23E-06	0.0164351	0.1897422	0.078572	0.019147	0.03460895	10.84025
5987	482689.09	3855019.57	0.56106	0.23853	0.9544	0.18479	0.20107	0.36394	0.1232	0.23853	10.3573881	0.010149084	2.289E-06	0.0172217	0.1668188	0.090583	0.020113	0.03736601	10.62491
5988	482687.68	3854919.71	0.54789	0.25811	0.59037	0.19008	0.24409	0.45594	0.129	0.25811	10.1142647	0.010982182	1.416E-06	0.0177147	0.2025106	0.113482	0.021048	0.04043325	10.43957
5989	482686.28	3854819.86	0.53004	0.27592	0.65273	0.18784	0.18918	0.83801	0.1373	0.27592	9.78474673	0.01173997	1.565E-06	0.0175059	0.1569542	0.208578	0.022415	0.0432232	10.15872
5990	482684.88	3854720.01	0.52456	0.29499	0.858	0.19878	0.17826	1.36458	0.1462	0.29499	9.68358378	0.01255137	2.058E-06	0.0185255	0.1478944	0.339639	0.023864	0.04621054	10.17985
5991	482683.47	3854620.16	0.52177	0.3338	0.75762	0.21107	0.17283	1.29643	0.1634	0.3338	9.63207928	0.014202675	1.817E-06	0.0196709	0.1433893	0.322677	0.026673	0.05229018	10.1064
5992	482682.07	3854520.31	0.50454	0.35821	0.44381	0.22605	0.14624	1.31907	0.1862	0.35821	9.31400671	0.015241283	1.064E-06	0.0210669	0.1213288	0.328312	0.030395	0.05611403	9.774238
5993	482680.66	3854420.45	0.5106	0.37239	0.23469	0.23872	0.12469	1.32909	0.2166	0.37239	9.42587669	0.01584462	5.629E-07	0.0222477	0.1034497	0.330806	0.035362	0.05833535	9.875252
5994	482679.26	3854320.6	0.5082	0.39242	0.15466	0.25443	0.12181	1.29451	0.2424	0.39242	9.38157175	0.016696866	3.709E-07	0.0237118	0.1010603	0.322199	0.03957	0.06147307	9.823337
5995	482677.85	3854220.75	0.49314	0.40369	0.15306	0.27275	0.13097	1.40684	0.2705	0.40369	9.10355823	0.017176387	3.671E-07	0.0254192	0.10866	0.350158	0.044153	0.06323853	9.585887
5996	482676.45	3854120.9	0.47224	0.39149	0.13728	0.27835	0.12313	1.36346	0.2925	0.39149	8.71773601	0.016657296	3.292E-07	0.0259411	0.1021555	0.339361	0.047748	0.06132739	9.188271
5997	482675.04	3854021.04	0.44914	0.40046	0.11807	0.25455	0.10728	1.65935	0.3159	0.40046	8.29130093	0.017038955	2.832E-07	0.023723	0.0890054	0.413007	0.051561	0.06273255	8.822903
5998	482673.64	3853921.19	0.43641	0.41874	0.1208	0.27319	0.09861	0.77269	0.3068	0.41874	8.05630013	0.017816741	2.897E-07	0.0254602	0.0818123	0.19232	0.050085	0.06559613	8.358199
5999	482672.23	3853821.34	0.4259	0.45931	0.09866	0.23549	0.07623	0.44543	0.3161	0.45931	7.8622814	0.019542932	2.366E-07	0.0219467	0.0632446	0.110866	0.051592	0.07195147	8.057522
6000	482670.83	3853721.48	0.41066	0.45837	0.09824	0.14883	0.09315	0.32034	0.3572	0.45837	7.58094501	0.019502937	2.356E-07	0.0138703	0.0772824	0.079732	0.058297	0.07180422	7.757825
6001	482669.42	3853621.63	0.38591	0.49616	0.08907	0.15011	0.06975	0.26349	0.4112	0.49616	7.12405028	0.021110843	2.136E-07	0.0139896	0.0578685	0.065582	0.067118	0.07772407	7.271995
6002	482645.99	3853446.13	0.33559	0.54515	0.08219	0.13256	0.06715	0.21715	0.4897	0.54515	6.1951233	0.023195292	1.971E-07	0.012354	0.0557114	0.054048	0.079928	0.08539841	6.334962
6003	482623.96	3853370.48	0.31465	0.54719	0.0817	0.10813	0.07368	0.20074	0.5592	0.54719	5.80856267	0.023282091	1.959E-07	0.0100773	0.061129	0.049964	0.091281	0.08571798	5.958577
6004	482601.94	3853294.84	0.30982	0.57107	0.07804	0.10575	0.07897	0.19395	0.5823	0.57107	5.71939897	0.024298148	1.872E-07	0.0098555	0.0655179	0.048273	0.09504	0.08945881	5.872925
6005	482531.29	3853133.44	0.29179	0.62375	0.06699	0.08835	0.07876	0.16652	0.6255	0.62375	5.38655809	0.0265396	1.607E-07	0.0082339	0.0653437	0.041446	0.102091	0.0977112	5.532502
6006	482482.68	3853047.69	0.27865	0.66791	0.06393	0.08155	0.07923	0.15093	0.6795	0.66791	5.14398852	0.02841854	1.533E-07	0.0076001	0.0657336	0.037566	0.110912	0.10462891	5.28959
6007	482383.08	3852897.4	0.22676	0.88145	0.05702	0.07039	0.0775	0.13219	0.8946	0.88145	4.18607873	0.037504338	1.368E-07	0.0065601	0.0642983	0.032902	0.146026	0.13808022	4.335289
6008	482265.64	3852765.26	0.21258	0.93058	0.05324	0.06352	0.07308	0.11427	0.9441	0.93058	3.92431035	0.039594744	1.277E-07	0.0059198	0.0606312	0.028441	0.154104	0.14577649	4.067225
6009	482199.16	3852697.66	0.20245	0.9399	0.05116	0.06086	0.07248	0.10229	0.9221	0.9399	3.73730657	0.039991295	1.227E-07	0.0056719	0.0601334	0.02546	0.150518	0.14723648	3.871844
6010	482132.69	3852630.07	0.19458	0.91136	0.04988	0.05841	0.07139	0.08768	0.9044	0.91136	3.59202328	0.038776962	1.196E-07	0.0054436	0.0592291	0.021823	0.147626	0.14276565	3.722156
6011	482066.21	3852562.48	0.18513	0.92357	0.04425	0.05611	0.0698	0.08517	0.9081	0.92357	3.41757256	0.039296479	1.061E-07	0.0052292	0.0579099	0.021199	0.148223	0.14467837	3.544752
6012	481999.74	3852494.89	0.17648	0.91024	0.03837	0.05388	0.06819	0.08323	0.8983	0.91024	3.25789016	0.038729308	9.202E-08	0.0050214	0.0565742	0.020716	0.146625	0.1425902	3.382966
6013	481933.26	3852427.29	0.16855	0.85236	0.03417	0.05177	0.06658	0.08136	0.8551	0.85236	3.11149925	0.036266603	8.195E-08	0.0048247	0.0552385	0.02025	0.139569	0.13352323	3.234125
6014	481866.79	3852359.7	0.16161	0.87735	0.03368	0.04987	0.06498	0.07985	0.8632	0.87735	2.98338412	0.037329889	8.078E-08	0.0046477	0.053911	0.019874	0.140904	0.13743795	3.102613
6015	481800.31	3852292.11	0.15491	0.83267	0.03355	0.04807	0.06339	0.07846	0.8417	0.83267	2.85969949	0.035428824	8.046E-08	0.0044799	0.0525919	0.019528	0.137396	0.13043877	2.978686
6016	481733.84	3852224.52	0.15045	0.81209	0.0336	0.04634	0.06181	0.07702	0.8149	0.81209	2.77736613	0.034553177	8.058E-08	0.0043187	0.051281	0.01917	0.133017	0.12721489	2.892491
6017	481667.36	3852156.92	0.14867	0.81364	0.03359	0.04474	0.06024	0.07585	0.8244	0.81364	2.74450663	0.034619127	8.056E-08	0.0041696	0.0499784	0.018879	0.134572	0.1274577	2.859267
6018	481600.89	3852089.33	0.14715	0.78176	0.03362	0.04311	0.05868	0.07414	0.8079	0.78176	2.71644684	0.033262682	8.063E-08	0.0040177	0.0486842	0.018453	0.131866	0.12246366	2.830267
6019	481534.41	3852021.74	0.14526	0.77378	0.03365	0.04153	0.05714	0.07237	0.8062	0.77378	2.68155669	0.032923146	8.07E-08	0.0038704	0.0474065	0.018013	0.131595	0.12121358	2.794151
6020	481467.94	3851954.15	0.14416	0.78542	0.03362	0.04006	0.05561	0.07078	0.796	0.78542	2.66125026	0.03341841	8.063E-08	0.0037334	0.0461371	0.017617	0.129932	0.123037	2.769051
6021	481401.46	3851886.55	0.14242	0.79312	0.03352	0.0387	0.05411	0.06949	0.8036	0.79312	2.62912918	0.033746033	8.039E-08	0.0036067	0.0448927	0.017296	0.131162	0.12424321	2.73559
6022	481265.87	3851761.43	0.17123	0.72874	0.03346	0.03708	0.05186	0.06748	0.7381	0.72874	3.1609731	0.031006763	8.025E-08	0.0034557	0.0430259	0.016796	0.120481	0.11415801	3.26158
6023	481196.74	3851703.89	0.16828	0.70671	0.03342	0.03681	0.05128	0.05929	0.7133	0.70671	3.10651494	0.03006942	8.015E-08	0.0034305	0.0425447	0.014757	0.116436	0.11070698	3.203046
6024	481076.33	3851619.04	0.18448	0.71824	0.03339	0.03754	0.05065	0.0516	0.7227	0.71824	3.40557331	0.030560004	8.008E-08	0.0034986	0.042022	0.012843	0.117959	0.11251317	3.499943
6025	480939.8	3851549.07	0.1914	0.7712	0.03324	0.03068	0.05128	0.05364	0.7765	0.7712	3.53331923	0.032813371	7.972E-08	0.0028592	0.0425447	0.013351	0.126744	0.12080942	3.630822
6026	480854.56	3851506.41	0.1895	0.78604	0.03299	0.031	0.05151	0.05493	0.7863	0.78604	3.49824448	0.03344479	7.912E-08	0.0028891	0.0427355	0.013672	0.128348	0.12313412	3.5962
6027	480769.32	3851463.75	0.19123	0.81279	0.03259	0.03129	0.05158	0.0562	0.8156	0.81279	3.53018096	0.034582961	7.816E-08	0.0029161	0.0427936	0.013988	0.133123	0.12732454	3.63026
6028	480684.08	3851421.08	0.19395	0.83064	0.03171	0.03012	0.05149	0.04838	0.8346	0.83064	3.58039323	0.035342451	7.605E-08	0.0028071	0.042719	0.012042	0.136236	0.13012077	3.679418
6029	480598.84	3851378.42	0.18807	0.81511	0.0302	0.02675	0.05124	0.03706	0.822	0.81511	3.47184612	0.034681673	7.243E-08	0.002493	0.0425115	0.009224	0.134166	0.12768797	3.567234
6030	480435.71	3851275.01	0.17845	0.99348	0.02771	0.02736	0.05014	0.03202	1.0146	0.99348	3.29425714	0.042271042	6.646E-08	0.0025498	0.0415989	0.00797	0.165609	0.15562985	3.398625
6031	480347.85	3851232.36	0.17741	0.99467	0.02695	0.02902	0.04962	0.03107	1.0196	0.99467	3.27505833	0.042321674	6.464E-08	0.0027045	0.0411675	0.007733	0.166423	0.15581627	3.379592
6032	480260	3851189.72	0.17954	0.98555	0.02662	0.03061	0.04894	0.02979	1.013	0.98555	3.31437897	0.041933632	6.384E-08	0.0028527	0.0406033	0.007415	0.165347	0.15438761	3.418143
6033	480172.15	3851147.07	0.18701	0.9805	0.02617	0.03206	0.04812	0.0282	1.0128	0.9805	3.4522781	0.041718763	6.276E-08	0.0029879	0.039923	0.007019	0.165321	0.15359652	3.555651
6034	480084.29	3851104.42	0.19173	0.98005	0.02613	0.0321	0.04719	0.02793	1.0135	0.98005	3.53941116	0.041699616	6.267E-08	0.0029916	0.0391514	0.006952	0.165424	0.15352603	3.642104
6035	479996.44	3851061.77	0.19689	0.97792	0.02548	0.03209	0.04614	0.02798	1.0142	0.97792	3.63466679	0.041608988	6.111E-08	0.0029907	0.0382803	0.006964	0.165546	0.15319236	3.736865
6036	479908.58	3851019.13	0.21324	0.99122	0.02574	0.03201	0.04615	0.0281	1.0368	0.99122	3.93649421	0.042174882	6.173E-08	0.0029832	0.0382886	0.006994	0.169237	0.15527582	4.040896
6037	479820.73	3850976.48	0.21426	0.98255	0.02597	0.03191	0.04811	0.02802	1.0317	0.98255	3.95532381	0.041805987	6.228E-08	0.0029739	0.0399147	0.006974	0.16841	0.15391765	4.061484
6038	479732.88	3850933.83	0.21734	0.97325	0.02615	0.03178	0.04626	0.02785	1.0253	0.97325	4.01218182	0.041410286	6.272E-08	0.0029618	0.0383799	0.006932	0.16735	0.1524608	4.116755

6039	479645.02	3850891.18	0.22333	0.97101	0.02518	0.03162	0.04443	0.02757	1.018	0.97101	4.12275958	0.041314978	6.039E-08	0.0029469	0.0368616	0.006862	0.166172	0.1521099	4.224807
6040	479557.17	3850848.54	0.2271	0.96469	0.02124	0.03143	0.04263	0.02773	1.0004	0.96469	4.19235526	0.041046072	5.094E-08	0.0029291	0.0353682	0.006902	0.163294	0.15111986	4.290775
6041	479469.32	3850805.89	0.23081	0.97992	0.01953	0.0312	0.04034	0.02793	1.0315	0.97992	4.26084332	0.041694085	4.684E-08	0.0029077	0.0334683	0.006952	0.168364	0.15350566	4.360723
6042	479381.46	3850763.24	0.23316	0.96399	0.01975	0.03096	0.03991	0.02811	0.9928	0.96399	4.30422524	0.041016288	4.737E-08	0.0028853	0.0331115	0.006996	0.16206	0.15101021	4.399285
6043	479293.61	3850720.59	0.23079	0.91239	0.02039	0.03071	0.0395	0.02825	0.9577	0.91239	4.26047411	0.038820787	4.89E-08	0.002862	0.0327714	0.007031	0.156326	0.142927	4.355358
6044	479205.76	3850677.95	0.23043	0.88593	0.02098	0.03065	0.03907	0.02832	0.9279	0.88593	4.25382837	0.037694955	5.032E-08	0.0028565	0.0324146	0.007049	0.151461	0.13878201	4.346523
6045	479117.9	3850635.3	0.23178	0.85226	0.02156	0.03058	0.03857	0.02832	0.8897	0.85226	4.2787499	0.036262349	5.171E-08	0.0028499	0.0319998	0.007049	0.145228	0.13350757	4.368631
6046	479030.05	3850592.65	0.22716	0.83169	0.02207	0.03048	0.03804	0.02824	0.8659	0.83169	4.19346288	0.035387127	5.293E-08	0.0028406	0.0315601	0.007029	0.141333	0.13028525	4.281328
6047	478942.19	3850550	0.22458	0.86764	0.02243	0.03039	0.03765	0.02801	0.8898	0.86764	4.14583507	0.036916744	5.379E-08	0.0028322	0.0312365	0.006972	0.145241	0.13591686	4.233116
6048	478854.34	3850507.36	0.21282	0.99004	0.02264	0.02937	0.03704	0.02469	1.026	0.99004	3.92874085	0.042124675	5.43E-08	0.0027372	0.0307304	0.006145	0.167464	0.15509097	4.022852
6049	478766.49	3850464.71	0.20994	0.98664	0.02292	0.02858	0.03651	0.02468	1.0198	0.98664	3.87557492	0.04198001	5.497E-08	0.0026635	0.0302907	0.006143	0.166464	0.15455836	3.968557
6050	478678.63	3850422.06	0.20441	0.98289	0.02316	0.02755	0.036	0.02469	1.0145	0.98289	3.77348894	0.041820454	5.555E-08	0.0025675	0.0298676	0.006145	0.1656	0.15397092	3.865519
6051	478590.78	3850379.41	0.1953	0.981	0.02334	0.02595	0.03548	0.02468	1.0106	0.981	3.60531476	0.041740037	5.598E-08	0.0024184	0.0294362	0.006143	0.164965	0.15367484	3.696343
6052	478502.93	3850336.77	0.19317	0.9777	0.02348	0.02669	0.03496	0.0247	1.0056	0.9777	3.56599412	0.041599627	5.631E-08	0.0024874	0.0290048	0.006148	0.164136	0.1531579	3.656212
6053	478415.07	3850294.12	0.18903	0.96502	0.02333	0.02687	0.03445	0.02426	0.9905	0.96502	3.4895681	0.041060113	5.595E-08	0.0025042	0.0285816	0.006038	0.161685	0.15117156	3.578265
6054	478327.22	3850251.47	0.182	0.96834	0.0227	0.02639	0.03393	0.0247	0.9946	0.96834	3.35979153	0.041201373	5.444E-08	0.0024594	0.0281502	0.006148	0.162341	0.15169164	3.448399
6055	478239.36	3850208.82	0.17705	0.97122	0.022	0.02593	0.03341	0.02418	0.9964	0.97122	3.26841259	0.041323913	5.276E-08	0.0024166	0.0277188	0.006018	0.162644	0.1521428	3.356392
6056	478151.51	3850166.18	0.17629	0.97372	0.02245	0.02548	0.03289	0.02349	0.9975	0.97372	3.25438269	0.041430284	5.384E-08	0.0023746	0.0272874	0.005847	0.162827	0.15253442	3.341614
6057	478063.66	3850123.53	0.17443	0.97758	0.02215	0.02503	0.03237	0.02287	1.0001	0.97758	3.22004636	0.041594521	5.312E-08	0.0023327	0.0268559	0.005692	0.163245	0.1531391	3.306628
6058	477975.8	3850080.88	0.17008	0.8884	0.02194	0.02475	0.03192	0.02273	0.9079	0.8884	3.13974365	0.03780005	5.262E-08	0.0023066	0.0264826	0.005657	0.1482	0.13916894	3.221022
6059	477887.95	3850038.23	0.16745	0.89393	0.02158	0.02435	0.03143	0.0226	0.913	0.89393	3.09119282	0.038035343	5.176E-08	0.0022693	0.0260761	0.005625	0.149029	0.14003522	3.172193
6060	477800.1	3849995.59	0.16559	0.86099	0.02116	0.02395	0.03096	0.02246	0.8783	0.86099	3.05685648	0.036633797	5.075E-08	0.002232	0.0256861	0.00559	0.14336	0.13487513	3.135484
6061	477712.24	3849952.94	0.16257	0.86017	0.02084	0.02353	0.03048	0.02232	0.8761	0.86017	3.0011061	0.036598907	4.998E-08	0.0021929	0.0252879	0.005555	0.143003	0.13474668	3.078998
6062	477624.39	3849910.29	0.15471	0.87289	0.02053	0.02311	0.02999	0.02217	0.8844	0.87289	2.85600741	0.037140123	4.924E-08	0.0021538	0.0248814	0.005518	0.144363	0.13673928	2.933324
6063	477536.54	3849867.64	0.15282	0.86392	0.02021	0.0227	0.0295	0.02237	0.8743	0.86392	2.82111726	0.036758464	4.847E-08	0.0021155	0.0244748	0.005568	0.142704	0.13533412	2.897404
6064	477448.68	3849825	0.14931	0.87574	0.0199	0.02227	0.02633	0.02283	0.8856	0.87574	2.75632129	0.037261386	4.773E-08	0.0020755	0.0218448	0.005682	0.144555	0.13718574	2.830555
6065	477360.83	3849782.35	0.14281	0.86783	0.0196	0.02186	0.02421	0.02328	0.8769	0.86783	2.63632873	0.036924828	4.701E-08	0.0020373	0.020086	0.005794	0.143142	0.13594663	2.708366
6066	477272.97	3849739.7	0.13965	0.8518	0.01962	0.02145	0.02315	0.02371	0.8602	0.8518	2.57799389	0.036242776	4.706E-08	0.0019991	0.0192065	0.005901	0.140413	0.13343551	2.648321
6067	477185.12	3849697.05	0.13723	0.82799	0.0197	0.02105	0.02271	0.02414	0.8349	0.82799	2.53331974	0.035229697	4.725E-08	0.0019618	0.0188415	0.006008	0.136286	0.12970564	2.601942
6068	477097.27	3849654.41	0.13603	0.82825	0.01917	0.02064	0.02232	0.02455	0.8347	0.82825	2.51116727	0.03524076	4.598E-08	0.0019236	0.0185179	0.00611	0.136242	0.12974637	2.579456
6069	477009.41	3849611.76	0.13581	0.89933	0.01857	0.0202	0.02189	0.02449	0.9056	0.89933	2.50710598	0.038265104	4.454E-08	0.0018826	0.0181612	0.006095	0.147826	0.14088114	2.578456
6070	476841.49	3849530.08	0.13544	0.88811	0.01784	0.01944	0.02123	0.02432	0.8909	0.88811	2.50027563	0.037787711	4.279E-08	0.0018117	0.0176136	0.006053	0.145422	0.13912351	2.56984
6071	476761.41	3849491.05	0.13191	0.86553	0.01758	0.01911	0.02097	0.02425	0.8679	0.86553	2.43511045	0.036826967	4.216E-08	0.001781	0.0173979	0.006036	0.141663	0.13558633	2.503229
6072	476681.34	3849452.02	0.12814	0.87424	0.01732	0.01874	0.02078	0.02414	0.8765	0.87424	2.36551476	0.037197564	4.154E-08	0.0017465	0.0172402	0.006008	0.143068	0.13695076	2.433825
6073	476601.26	3849412.99	0.13546	0.90068	0.01707	0.01836	0.0207	0.02402	0.9026	0.90068	2.50064484	0.038322545	4.094E-08	0.0017111	0.0171739	0.005978	0.147325	0.14109262	2.570064
6074	476456.32	3849353.67	0.12736	0.93108	0.01659	0.01753	0.02051	0.02375	0.9314	0.93108	2.35111566	0.039616018	3.979E-08	0.0016337	0.0170162	0.005911	0.152025	0.14585482	2.421463
6075	476305.43	3849318.83	0.1285	0.85186	0.0164	0.01665	0.02022	0.02365	0.8541	0.85186	2.37216051	0.036245329	3.933E-08	0.0015517	0.0167756	0.005886	0.139407	0.13344491	2.438582
6076	476129.36	3849289.99	0.12911	0.8081	0.0153	0.01596	0.02008	0.0234	0.8156	0.8081	2.38342135	0.034383409	3.669E-08	0.0014874	0.0166595	0.005824	0.133121	0.12658985	2.448307
6077	476039.31	3849275.68	0.12936	0.80253	0.01495	0.01611	0.02028	0.02325	0.8078	0.80253	2.38803644	0.034146414	3.586E-08	0.0015014	0.0168254	0.005787	0.131858	0.1257173	2.452437
6078	475949.26	3849261.38	0.13001	0.8135	0.01461	0.01665	0.02123	0.02299	0.8189	0.8135	2.4000357	0.03461317	3.504E-08	0.0015517	0.0176136	0.005722	0.13366	0.12743577	2.46576
6079	475859.21	3849247.08	0.12929	0.80285	0.01427	0.01728	0.02225	0.02279	0.8074	0.80285	2.38674422	0.034160029	3.422E-08	0.0016104	0.0184598	0.005672	0.131791	0.12576743	2.45267
6080	475769.16	3849232.77	0.13887	0.82268	0.01394	0.0179	0.02325	0.0225	0.8262	0.82268	2.56359478	0.035003765	3.343E-08	0.0016682	0.0192895	0.0056	0.134863	0.12887382	2.631145
6081	475585.22	3849219.27	0.14234	0.58543	0.01569	0.0177	0.02439	0.0213	0.5886	0.58543	2.62765235	0.024909144	3.763E-08	0.0016496	0.0202353	0.005301	0.096078	0.09170832	2.684118
6082	475444.49	3849150.34	0.18359	1.04372	0.01616	0.01943	0.02554	0.02119	1.0496	1.04372	3.38914356	0.044408676	3.876E-08	0.0018108	0.0211894	0.005274	0.171318	0.16350001	3.469645
6083	475334.17	3849118.71	0.17478	0.90795	0.0168	0.02001	0.02683	0.02108	0.9109	0.90795	3.2265075	0.038631872	4.029E-08	0.0018648	0.0222597	0.005247	0.148682	0.14223147	3.300961
6084	475230.46	3849060.57	0.19367	1.07767	0.01694	0.01996	0.02682	0.02093	1.082	1.07767	3.57522432	0.045853196	4.063E-08	0.0018602	0.0222514	0.005209	0.176607	0.16881832	3.658187
6085	475110.86	3848960.97	0.16509	1.04739	0.01661	0.01929	0.0259	0.02073	1.054	1.04739	3.04762629	0.044564829	3.984E-08	0.0017977	0.0214881	0.00516	0.172045	0.16407492	3.128606
6086	475037.79	3848896.28	0.14788	1.01886	0.01636	0.01871	0.02523	0.02061	1.0281	1.01886	2.72992292	0.043350922	3.924E-08	0.0017437	0.0209322	0.00513	0.16781	0.15960566	2.809284
6087	474964.72	3848831.59	0.15378	1.06249	0.0161	0.01728	0.0242	0.02049	1.0719	1.06249	2.83883924	0.045207311	3.861E-08	0.0016104	0.0200777	0.0051	0.17497	0.16644035	2.919364
6088	474891.65	3848766.9	0.14014	1.03173	0.01586	0.01622	0.02322	0.02039	1.0748	1.03173	2.58703948	0.04389852	3.804E-08	0.0015116	0.0192646	0.005075	0.175433	0.16162176	2.670601
6089	474818.58	3848702.22	0.12891	1.0373	0.01562	0.01559	0.02228	0.02029	1.0494	1.0373	2.37972927	0.044135515	3.746E-08	0.0014529	0.0184847	0.00505	0.171292	0.16249431	2.45765
6090	474745.51	3848637.53	0.11095	0.99015	0.0154	0.01516	0.02186	0.02022	0.9981	0.99015	2.04818061	0.042129355	3.693E-08	0.0014128	0.0181363	0.005033	0.162912	0.1551082	2.122696
6091	474672.44	3848572.84	0.10271	0.98609	0.01517	0.01541	0.02184	0.02014	0.9938	0.98609	1.89606697	0.041956609	3.638E-08	0.0014361	0.0181197	0.005013	0.162217	0.1544722	1.970337
6092	474599.37	3848508.15	0.10054	1.0314	0.01493	0.01561	0.02172	0.02003	1.0393	1.0314	1.85600792	0.043884479	3.581E-08	0.0014548	0.0180201	0.004985	0.169637	0.16157007	1.93242
6093	474526.3	3848443.46	0.09629	1.0427	0.01469	0.01583	0.02118	0.01994	1.052	1.0427	1.77755125	0.044365277	3.523E-08	0.0014753	0.0175721	0.004963	0.17172	0.16334022	1.854307

			PM10 24 hr Concentration [ug/m^3] at 1 g/s								Ra
	X	Y	Equipmer	Rail Hauli	Rail Idlin	Off-Site	Solar	33kV	S Main	Remove Ex	
1	485973.61	3854936.51	0.35688	0.11104	0.19177	0.24621	0.14374	0.14547	0.1626	0.11104	
2	486023.61	3854936.51	0.35161	0.10252	0.18735	0.2327	0.14133	0.13728	0.1559	0.10252	
3	486073.61	3854936.51	0.34181	0.10429	0.18285	0.22401	0.13443	0.13382	0.1512	0.10429	
4	486123.61	3854936.51	0.33413	0.09882	0.17302	0.2006	0.17107	0.12943	0.1424	0.09882	
5	486173.61	3854936.51	0.33085	0.09675	0.17682	0.1985	0.17961	0.12852	0.1409	0.09675	
6	486223.61	3854936.51	0.32496	0.09555	0.16583	0.19187	0.18998	0.12112	0.1362	0.09555	
7	486273.61	3854936.51	0.31999	0.09455	0.16855	0.1867	0.17113	0.11326	0.1328	0.09455	
8	486323.61	3854936.51	0.31386	0.08611	0.16505	0.18193	0.13896	0.11028	0.1348	0.08611	
9	485973.61	3854986.51	0.36666	0.11379	0.19001	0.26471	0.14017	0.15404	0.1581	0.11379	
10	486023.61	3854986.51	0.36135	0.11191	0.18444	0.25242	0.14837	0.14855	0.1597	0.11191	
11	486073.61	3854986.51	0.35598	0.10654	0.18155	0.23984	0.14311	0.14262	0.1577	0.10654	
12	486123.61	3854986.51	0.35076	0.1	0.17335	0.22808	0.14859	0.13702	0.1517	0.1	
13	486173.61	3854986.51	0.34131	0.10164	0.17008	0.21961	0.17739	0.13345	0.1479	0.10164	
14	486223.61	3854986.51	0.33527	0.09658	0.16228	0.20458	0.19014	0.12815	0.142	0.09658	
15	486273.61	3854986.51	0.3287	0.09318	0.15569	0.18911	0.19334	0.12366	0.1356	0.09318	
16	486323.61	3854986.51	0.32608	0.09525	0.16725	0.18982	0.16978	0.1216	0.1346	0.09525	
17	485973.61	3855036.51	0.38208	0.11472	0.19087	0.27287	0.13695	0.1708	0.1694	0.11472	
18	486023.61	3855036.51	0.37046	0.11379	0.18637	0.26574	0.14598	0.16453	0.1623	0.11379	
19	486073.61	3855036.51	0.36474	0.11185	0.17583	0.25669	0.15062	0.15709	0.155	0.11185	
20	486123.61	3855036.51	0.35936	0.10937	0.1772	0.25085	0.14455	0.15101	0.1512	0.10937	
21	486173.61	3855036.51	0.35457	0.10246	0.1651	0.24914	0.1748	0.14711	0.1479	0.10246	
22	486223.61	3855036.51	0.34409	0.1008	0.16963	0.23813	0.18378	0.14	0.1415	0.1008	
23	486273.61	3855036.51	0.33983	0.0989	0.17356	0.22528	0.21081	0.13704	0.1391	0.0989	
24	486323.61	3855036.51	0.33417	0.09597	0.17865	0.20689	0.19942	0.13171	0.1344	0.09597	
25	485973.61	3855086.51	0.40307	0.11387	0.20401	0.26972	0.14303	0.17435	0.1737	0.11387	
26	486023.61	3855086.51	0.38909	0.11415	0.19869	0.2635	0.14227	0.16968	0.171	0.11415	
27	486073.61	3855086.51	0.37513	0.11325	0.19134	0.24978	0.15206	0.16279	0.1657	0.11325	
28	486123.61	3855086.51	0.36796	0.11225	0.18133	0.24488	0.15317	0.1585	0.1588	0.11225	
29	486173.61	3855086.51	0.36239	0.11009	0.18631	0.23874	0.15962	0.15225	0.1545	0.11009	
30	486223.61	3855086.51	0.35729	0.10563	0.19047	0.23449	0.18144	0.14805	0.1437	0.10563	
31	485973.61	3855136.51	0.40635	0.11185	0.21483	0.28724	0.14258	0.18664	0.1834	0.11185	
32	486023.61	3855136.51	0.40333	0.11284	0.20167	0.27609	0.15656	0.17731	0.1729	0.11284	
33	486073.61	3855136.51	0.39682	0.11319	0.211	0.26204	0.14841	0.16865	0.1698	0.11319	
34	486123.61	3855136.51	0.38238	0.11302	0.21324	0.2512	0.15856	0.16343	0.1675	0.11302	
35	486173.61	3855136.51	0.3703	0.11207	0.20543	0.23991	0.15534	0.15784	0.1626	0.11207	
36	486223.61	3855136.51	0.36488	0.11056	0.1959	0.23051	0.17878	0.15265	0.1574	0.11056	
37	485973.61	3855186.51	0.40475	0.10802	0.21549	0.30183	0.14902	0.19417	0.1985	0.10802	
38	486023.61	3855186.51	0.4019	0.11045	0.22628	0.28961	0.14978	0.18617	0.1889	0.11045	
39	486073.61	3855186.51	0.39957	0.1115	0.21722	0.27616	0.15882	0.17921	0.1785	0.1115	
40	486123.61	3855186.51	0.39611	0.11201	0.21505	0.26353	0.15486	0.17257	0.1688	0.11201	
41	486173.61	3855186.51	0.38947	0.11215	0.20832	0.25174	0.16311	0.16736	0.1628	0.11215	
42	486223.61	3855186.51	0.37535	0.11167	0.21327	0.23987	0.17172	0.15973	0.1536	0.11167	
43	486273.61	3855186.51	0.36665	0.11044	0.18687	0.23176	0.18589	0.15186	0.1535	0.11044	
44	486323.61	3855186.51	0.36254	0.10957	0.1783	0.23158	0.20441	0.15185	0.1548	0.10957	
45	485973.61	3855236.51	0.40615	0.1029	0.27061	0.33758	0.19163	0.2063	0.2039	0.1029	
46	486023.61	3855236.51	0.40223	0.10499	0.254	0.31633	0.15533	0.19951	0.1917	0.10499	
47	486073.61	3855236.51	0.39947	0.10733	0.24633	0.29684	0.16407	0.19063	0.1791	0.10733	
48	486123.61	3855236.51	0.39554	0.1099	0.23224	0.28221	0.16109	0.18402	0.1704	0.1099	
49	486173.61	3855236.51	0.39073	0.11091	0.21001	0.2716	0.16174	0.17787	0.1623	0.11091	
50	486223.61	3855236.51	0.38471	0.11127	0.19798	0.25501	0.16594	0.17203	0.1591	0.11127	
51	486273.61	3855236.51	0.37574	0.11058	0.19194	0.23948	0.18304	0.16506	0.1572	0.11058	
52	486323.61	3855236.51	0.36907	0.11112	0.18815	0.24035	0.19342	0.16467	0.1582	0.11112	
53	485973.61	3855286.51	0.41616	0.0989	0.27986	0.35467	0.24741	0.22414	0.2093	0.0989	

Rates (g/s):	4.80E+00	4.25E-02	2.40E-06	2.42E-02	2.16E-01	6.47E-02	1.63E-01	1.57E-01	
	Mitigated Concentration [ug/m^3]								
	Equipmen	Rail Haulin	Rail Idling	Off-Site	Solar	33kV	S Main	Remove E	Total
1	1.71E+00	4.72E-03	4.60E-07	5.96E-03	3.10E-02	9.41E-03	2.65E-02	1.74E-02	1.77E+00
2	1.69E+00	4.36E-03	4.49E-07	5.64E-03	3.05E-02	8.88E-03	2.55E-02	1.61E-02	1.75E+00
3	1.64E+00	4.44E-03	4.39E-07	5.43E-03	2.90E-02	8.66E-03	2.47E-02	1.63E-02	1.70E+00
4	1.60E+00	4.20E-03	4.15E-07	4.86E-03	3.69E-02	8.37E-03	2.32E-02	1.55E-02	1.67E+00
5	1.59E+00	4.12E-03	4.24E-07	4.81E-03	3.87E-02	8.32E-03	2.30E-02	1.52E-02	1.65E+00
6	1.56E+00	4.07E-03	3.98E-07	4.65E-03	4.10E-02	7.84E-03	2.22E-02	1.50E-02	1.62E+00
7	1.54E+00	4.02E-03	4.04E-07	4.52E-03	3.69E-02	7.33E-03	2.17E-02	1.48E-02	1.60E+00
8	1.51E+00	3.66E-03	3.96E-07	4.41E-03	3.00E-02	7.14E-03	2.20E-02	1.35E-02	1.56E+00
9	1.76E+00	4.84E-03	4.56E-07	6.41E-03	3.02E-02	9.97E-03	2.58E-02	1.78E-02	1.82E+00
10	1.73E+00	4.76E-03	4.42E-07	6.12E-03	3.20E-02	9.61E-03	2.61E-02	1.75E-02	1.80E+00
11	1.71E+00	4.53E-03	4.35E-07	5.81E-03	3.09E-02	9.23E-03	2.57E-02	1.67E-02	1.77E+00
12	1.68E+00	4.25E-03	4.16E-07	5.53E-03	3.20E-02	8.87E-03	2.48E-02	1.57E-02	1.74E+00
13	1.64E+00	4.32E-03	4.08E-07	5.32E-03	3.83E-02	8.63E-03	2.41E-02	1.59E-02	1.70E+00
14	1.61E+00	4.11E-03	3.89E-07	4.96E-03	4.10E-02	8.29E-03	2.32E-02	1.51E-02	1.68E+00
15	1.58E+00	3.96E-03	3.73E-07	4.58E-03	4.17E-02	8.00E-03	2.21E-02	1.46E-02	1.64E+00
16	1.56E+00	4.05E-03	4.01E-07	4.60E-03	3.66E-02	7.87E-03	2.20E-02	1.49E-02	1.63E+00
17	1.83E+00	4.88E-03	4.58E-07	6.61E-03	2.95E-02	1.11E-02	2.76E-02	1.80E-02	1.90E+00
18	1.78E+00	4.84E-03	4.47E-07	6.44E-03	3.15E-02	1.06E-02	2.65E-02	1.78E-02	1.84E+00
19	1.75E+00	4.76E-03	4.22E-07	6.22E-03	3.25E-02	1.02E-02	2.53E-02	1.75E-02	1.81E+00
20	1.72E+00	4.65E-03	4.25E-07	6.08E-03	3.12E-02	9.77E-03	2.47E-02	1.71E-02	1.78E+00
21	1.70E+00	4.36E-03	3.96E-07	6.04E-03	3.77E-02	9.52E-03	2.41E-02	1.61E-02	1.77E+00
22	1.65E+00	4.29E-03	4.07E-07	5.77E-03	3.96E-02	9.06E-03	2.31E-02	1.58E-02	1.72E+00
23	1.63E+00	4.21E-03	4.16E-07	5.46E-03	4.55E-02	8.87E-03	2.27E-02	1.55E-02	1.70E+00
24	1.60E+00	4.08E-03	4.28E-07	5.01E-03	4.30E-02	8.52E-03	2.19E-02	1.50E-02	1.67E+00
25	1.93E+00	4.84E-03	4.89E-07	6.53E-03	3.08E-02	1.13E-02	2.83E-02	1.78E-02	2.00E+00
26	1.87E+00	4.86E-03	4.77E-07	6.38E-03	3.07E-02	1.10E-02	2.79E-02	1.79E-02	1.93E+00
27	1.80E+00	4.82E-03	4.59E-07	6.05E-03	3.28E-02	1.05E-02	2.70E-02	1.77E-02	1.86E+00
28	1.77E+00	4.78E-03	4.35E-07	5.93E-03	3.30E-02	1.03E-02	2.59E-02	1.76E-02	1.83E+00
29	1.74E+00	4.68E-03	4.47E-07	5.78E-03	3.44E-02	9.85E-03	2.52E-02	1.72E-02	1.80E+00
30	1.71E+00	4.49E-03	4.57E-07	5.68E-03	3.91E-02	9.58E-03	2.35E-02	1.65E-02	1.78E+00
31	1.95E+00	4.76E-03	5.15E-07	6.96E-03	3.08E-02	1.21E-02	2.99E-02	1.75E-02	2.02E+00
32	1.94E+00	4.80E-03	4.84E-07	6.69E-03	3.38E-02	1.15E-02	2.82E-02	1.77E-02	2.00E+00
33	1.90E+00	4.82E-03	5.06E-07	6.35E-03	3.20E-02	1.09E-02	2.77E-02	1.77E-02	1.97E+00
34	1.84E+00	4.81E-03	5.11E-07	6.09E-03	3.42E-02	1.06E-02	2.73E-02	1.77E-02	1.90E+00
35	1.78E+00	4.77E-03	4.93E-07	5.81E-03	3.35E-02	1.02E-02	2.65E-02	1.76E-02	1.84E+00
36	1.75E+00	4.70E-03	4.70E-07	5.58E-03	3.86E-02	9.88E-03	2.57E-02	1.73E-02	1.82E+00
37	1.94E+00	4.60E-03	5.17E-07	7.31E-03	3.21E-02	1.26E-02	3.24E-02	1.69E-02	2.01E+00
38	1.93E+00	4.70E-03	5.43E-07	7.02E-03	3.23E-02	1.20E-02	3.08E-02	1.73E-02	2.00E+00
39	1.92E+00	4.74E-03	5.21E-07	6.69E-03	3.43E-02	1.16E-02	2.91E-02	1.75E-02	1.99E+00
40	1.90E+00	4.77E-03	5.16E-07	6.38E-03	3.34E-02	1.12E-02	2.75E-02	1.75E-02	1.97E+00
41	1.87E+00	4.77E-03	5.00E-07	6.10E-03	3.52E-02	1.08E-02	2.66E-02	1.76E-02	1.93E+00
42	1.80E+00	4.75E-03	5.11E-07	5.81E-03	3.70E-02	1.03E-02	2.51E-02	1.75E-02	1.87E+00
43	1.76E+00	4.70E-03	4.48E-07	5.61E-03	4.01E-02	9.83E-03	2.51E-02	1.73E-02	1.83E+00
44	1.74E+00	4.66E-03	4.28E-07	5.61E-03	4.41E-02	9.83E-03	2.53E-02	1.72E-02	1.81E+00
45	1.95E+00	4.38E-03	6.49E-07	8.18E-03	4.13E-02	1.33E-02	3.33E-02	1.61E-02	2.03E+00
46	1.93E+00	4.47E-03	6.09E-07	7.66E-03	3.35E-02	1.29E-02	3.13E-02	1.64E-02	2.00E+00
47	1.92E+00	4.57E-03	5.91E-07	7.19E-03	3.54E-02	1.23E-02	2.92E-02	1.68E-02	1.99E+00
48	1.90E+00	4.68E-03	5.57E-07	6.84E-03	3.47E-02	1.19E-02	2.78E-02	1.72E-02	1.97E+00
49	1.88E+00	4.72E-03	5.04E-07	6.58E-03	3.49E-02	1.15E-02	2.65E-02	1.74E-02	1.94E+00
50	1.85E+00	4.73E-03	4.75E-07	6.18E-03	3.58E-02	1.11E-02	2.60E-02	1.74E-02	1.91E+00
51	1.80E+00	4.71E-03	4.60E-07	5.80E-03	3.95E-02	1.07E-02	2.57E-02	1.73E-02	1.87E+00
52	1.77E+00	4.73E-03	4.51E-07	5.82E-03	4.17E-02	1.07E-02	2.58E-02	1.74E-02	1.84E+00
53	2.00E+00	4.21E-03	6.71E-07	8.59E-03	5.34E-02	1.45E-02	3.42E-02	1.55E-02	2.10E+00

54	486023.61	3855286.51	0.41315	0.09992	0.29973	0.3375	0.20218	0.21165	0.1983	0.09992	1.98E+00	4.25E-03	7.19E-07	8.18E-03	4.36E-02	1.37E-02	3.24E-02	1.57E-02	2.07E+00
55	486073.61	3855286.51	0.40895	0.10187	0.24915	0.32139	0.1617	0.20459	0.1867	0.10187	1.96E+00	4.33E-03	5.98E-07	7.79E-03	3.49E-02	1.32E-02	3.05E-02	1.60E-02	2.04E+00
56	486123.61	3855286.51	0.40466	0.1041	0.18747	0.3055	0.16976	0.19755	0.1857	0.1041	1.94E+00	4.43E-03	4.50E-07	7.40E-03	3.66E-02	1.28E-02	3.03E-02	1.63E-02	2.02E+00
57	486173.61	3855286.51	0.39965	0.10671	0.18102	0.29267	0.16341	0.19009	0.1718	0.10671	1.92E+00	4.54E-03	4.34E-07	7.09E-03	3.52E-02	1.23E-02	2.80E-02	1.67E-02	1.99E+00
58	486223.61	3855286.51	0.39391	0.10948	0.17523	0.28507	0.16898	0.18352	0.1591	0.10948	1.89E+00	4.66E-03	4.20E-07	6.91E-03	3.64E-02	1.19E-02	2.60E-02	1.72E-02	1.96E+00
59	486123.61	3855336.51	0.41623	0.09858	0.22731	0.32523	0.17726	0.20999	0.1893	0.09858	2.00E+00	4.19E-03	5.45E-07	7.88E-03	3.82E-02	1.36E-02	3.09E-02	1.54E-02	2.08E+00
60	486173.61	3855336.51	0.41094	0.10114	0.19262	0.31031	0.1755	0.20102	0.1827	0.10114	1.97E+00	4.30E-03	4.62E-07	7.52E-03	3.79E-02	1.30E-02	2.98E-02	1.58E-02	2.05E+00
61	486223.61	3855336.51	0.40577	0.10375	0.20124	0.29733	0.16583	0.18958	0.174	0.10375	1.95E+00	4.41E-03	4.83E-07	7.20E-03	3.58E-02	1.23E-02	2.84E-02	1.63E-02	2.02E+00
62	486123.61	3855386.51	0.42721	0.09416	0.25036	0.32101	0.22449	0.22147	0.1943	0.09416	2.05E+00	4.01E-03	6.00E-07	7.78E-03	4.84E-02	1.43E-02	3.17E-02	1.48E-02	2.14E+00
63	486173.61	3855386.51	0.42219	0.09604	0.25964	0.31346	0.21045	0.21079	0.1909	0.09604	2.03E+00	4.09E-03	6.23E-07	7.59E-03	4.54E-02	1.36E-02	3.12E-02	1.50E-02	2.11E+00
64	486223.61	3855386.51	0.41684	0.09855	0.25592	0.3075	0.18131	0.20279	0.1883	0.09855	2.00E+00	4.19E-03	6.14E-07	7.45E-03	3.91E-02	1.31E-02	3.07E-02	1.54E-02	2.08E+00
65	486533.18	3855443.15	0.39512	0.10797	0.241	0.26324	0.28598	0.181	0.1621	0.10797	1.90E+00	4.59E-03	5.78E-07	6.38E-03	6.17E-02	1.17E-02	2.65E-02	1.69E-02	1.99E+00
66	486583.18	3855443.15	0.38004	0.10792	0.23559	0.25923	0.25724	0.17604	0.1552	0.10792	1.82E+00	4.59E-03	5.65E-07	6.28E-03	5.55E-02	1.14E-02	2.53E-02	1.69E-02	1.91E+00
67	486633.18	3855443.15	0.37197	0.10729	0.22675	0.25275	0.24113	0.17143	0.1462	0.10729	1.79E+00	4.57E-03	5.44E-07	6.12E-03	5.20E-02	1.11E-02	2.39E-02	1.68E-02	1.87E+00
68	486683.18	3855443.15	0.36606	0.10625	0.23242	0.24565	0.27924	0.16851	0.1453	0.10625	1.76E+00	4.52E-03	5.57E-07	5.95E-03	6.02E-02	1.09E-02	2.37E-02	1.66E-02	1.85E+00
69	486533.18	3855493.15	0.40608	0.10601	0.25581	0.26704	0.2794	0.18557	0.1739	0.10601	1.95E+00	4.51E-03	6.14E-07	6.47E-03	6.03E-02	1.20E-02	2.84E-02	1.66E-02	2.04E+00
70	486583.18	3855493.15	0.4008	0.10683	0.25543	0.25614	0.28642	0.17977	0.1684	0.10683	1.92E+00	4.55E-03	6.13E-07	6.21E-03	6.18E-02	1.16E-02	2.75E-02	1.67E-02	2.02E+00
71	486633.18	3855493.15	0.38539	0.10709	0.2532	0.25252	0.25641	0.17511	0.1625	0.10709	1.85E+00	4.56E-03	6.07E-07	6.12E-03	5.53E-02	1.13E-02	2.65E-02	1.68E-02	1.94E+00
72	486683.18	3855493.15	0.37689	0.10681	0.24797	0.24882	0.25893	0.17084	0.1562	0.10681	1.81E+00	4.54E-03	5.95E-07	6.03E-03	5.58E-02	1.11E-02	2.55E-02	1.67E-02	1.89E+00
73	486533.18	3855543.15	0.41645	0.10055	0.27414	0.26615	0.26318	0.19222	0.1727	0.10055	2.00E+00	4.28E-03	6.57E-07	6.45E-03	5.68E-02	1.24E-02	2.82E-02	1.58E-02	2.09E+00
74	486583.18	3855543.15	0.41189	0.1032	0.25977	0.25828	0.3075	0.18587	0.1717	0.1032	1.98E+00	4.39E-03	6.23E-07	6.26E-03	6.63E-02	1.20E-02	2.80E-02	1.62E-02	2.08E+00
75	486633.18	3855543.15	0.40651	0.10546	0.24481	0.25313	0.28629	0.18248	0.1702	0.10546	1.95E+00	4.49E-03	5.87E-07	6.13E-03	6.17E-02	1.18E-02	2.78E-02	1.65E-02	2.05E+00
76	486683.18	3855543.15	0.39046	0.10581	0.22655	0.2438	0.25431	0.17376	0.1672	0.10581	1.87E+00	4.50E-03	5.43E-07	5.91E-03	5.48E-02	1.12E-02	2.73E-02	1.66E-02	1.96E+00
77	486533.18	3855593.15	0.42708	0.09512	0.26426	0.27327	0.24503	0.19329	0.1653	0.09512	2.05E+00	4.05E-03	6.34E-07	6.62E-03	5.28E-02	1.25E-02	2.70E-02	1.49E-02	2.14E+00
78	486583.18	3855593.15	0.42227	0.09764	0.25585	0.26864	0.29252	0.18691	0.1641	0.09764	2.03E+00	4.15E-03	6.14E-07	6.51E-03	6.31E-02	1.21E-02	2.68E-02	1.53E-02	2.12E+00
79	486633.18	3855593.15	0.41714	0.10054	0.25921	0.26405	0.31598	0.18197	0.1631	0.10054	2.00E+00	4.28E-03	6.22E-07	6.40E-03	6.81E-02	1.18E-02	2.66E-02	1.57E-02	2.10E+00
80	486683.18	3855593.15	0.4109	0.10395	0.26248	0.2486	0.28634	0.17926	0.1624	0.10395	1.97E+00	4.42E-03	6.30E-07	6.02E-03	6.18E-02	1.16E-02	2.65E-02	1.63E-02	2.07E+00
81	486533.18	3855643.15	0.43453	0.09076	0.29828	0.29828	0.22598	0.19857	0.1671	0.09076	2.09E+00	3.86E-03	7.15E-07	7.23E-03	4.87E-02	1.28E-02	2.73E-02	1.42E-02	2.17E+00
82	486583.18	3855643.15	0.4305	0.09281	0.29113	0.28174	0.27574	0.19235	0.1591	0.09281	2.07E+00	3.95E-03	6.98E-07	6.83E-03	5.95E-02	1.24E-02	2.60E-02	1.45E-02	2.16E+00
83	486633.18	3855643.15	0.4267	0.09529	0.27816	0.27379	0.32319	0.18661	0.1563	0.09529	2.05E+00	4.05E-03	6.67E-07	6.63E-03	6.97E-02	1.21E-02	2.55E-02	1.49E-02	2.15E+00
84	486683.18	3855643.15	0.42191	0.09806	0.26548	0.2604	0.31735	0.18181	0.1552	0.09806	2.02E+00	4.17E-03	6.37E-07	6.31E-03	6.84E-02	1.18E-02	2.53E-02	1.54E-02	2.13E+00
85	486533.18	3855693.15	0.44016	0.08776	0.31259	0.30438	0.22758	0.20676	0.1674	0.08776	2.11E+00	3.73E-03	7.50E-07	7.37E-03	4.91E-02	1.34E-02	2.73E-02	1.37E-02	2.20E+00
86	486583.18	3855693.15	0.43842	0.08863	0.29069	0.29563	0.25702	0.1968	0.1654	0.08863	2.10E+00	3.77E-03	6.97E-07	7.16E-03	5.54E-02	1.27E-02	2.70E-02	1.39E-02	2.20E+00
87	486633.18	3855693.15	0.4366	0.08993	0.27361	0.28365	0.3067	0.18837	0.1659	0.08993	2.10E+00	3.83E-03	6.56E-07	6.87E-03	6.61E-02	1.22E-02	2.71E-02	1.41E-02	2.20E+00
88	486683.18	3855693.15	0.43131	0.09292	0.2777	0.27381	0.348	0.18578	0.1565	0.09292	2.07E+00	3.95E-03	6.66E-07	6.63E-03	7.51E-02	1.20E-02	2.55E-02	1.46E-02	2.18E+00
89	486733.18	3855693.15	0.42458	0.09673	0.26952	0.26607	0.3202	0.18539	0.1502	0.09673	2.04E+00	4.12E-03	6.46E-07	6.45E-03	6.91E-02	1.20E-02	2.45E-02	1.52E-02	2.14E+00
90	486783.18	3855693.15	0.41466	0.10104	0.26304	0.26473	0.30237	0.18219	0.1508	0.10104	1.99E+00	4.30E-03	6.31E-07	6.41E-03	6.52E-02	1.18E-02	2.46E-02	1.58E-02	2.09E+00
91	486533.18	3855743.15	0.44667	0.08494	0.30463	0.31739	0.30172	0.21106	0.1686	0.08494	2.14E+00	3.61E-03	7.31E-07	7.69E-03	6.51E-02	1.37E-02	2.75E-02	1.33E-02	2.25E+00
92	486583.18	3855743.15	0.44711	0.08494	0.2855	0.29904	0.23687	0.19963	0.1627	0.08494	2.15E+00	3.61E-03	6.85E-07	7.24E-03	5.11E-02	1.29E-02	2.66E-02	1.33E-02	2.23E+00
93	486633.18	3855743.15	0.44447	0.08614	0.28302	0.29158	0.28957	0.19261	0.1611	0.08614	2.13E+00	3.67E-03	6.79E-07	7.06E-03	6.25E-02	1.25E-02	2.63E-02	1.35E-02	2.23E+00
94	486683.18	3855743.15	0.43822	0.08901	0.29173	0.28549	0.34167	0.19139	0.1601	0.08901	2.10E+00	3.79E-03	7.00E-07	6.92E-03	7.37E-02	1.24E-02	2.61E-02	1.39E-02	2.21E+00
95	486733.18	3855743.15	0.43371	0.09172	0.29483	0.27557	0.35211	0.18859	0.1592	0.09172	2.08E+00	3.90E-03	7.07E-07	6.68E-03	7.59E-02	1.22E-02	2.60E-02	1.44E-02	2.19E+00
96	486783.18	3855743.15	0.42545	0.09604	0.30915	0.27687	0.32375	0.18821	0.153	0.09604	2.04E+00	4.09E-03	7.41E-07	6.71E-03	6.98E-02	1.22E-02	2.50E-02	1.50E-02	2.14E+00
97	486533.18	3855793.15	0.45258	0.08246	0.30521	0.33994	0.3749	0.21722	0.1735	0.08246	2.17E+00	3.51E-03	7.32E-07	8.24E-03	8.09E-02	1.41E-02	2.83E-02	1.29E-02	2.29E+00
98	486583.18	3855793.15	0.45667	0.08163	0.2969	0.30759	0.30591	0.20151	0.159	0.08163	2.19E+00	3.47E-03	7.12E-07	7.45E-03	6.60E-02	1.30E-02	2.60E-02	1.28E-02	2.29E+00
99	486633.18	3855793.15	0.45011	0.08381	0.29826	0.30181	0.27161	0.19973	0.1585	0.08381	2.16E+00	3.57E-03	7.15E-07	7.31E-03	5.86E-02	1.29E-02	2.59E-02	1.31E-02	2.26E+00
100	486683.18	3855793.15	0.44374	0.08635	0.299	0.29403	0.32751	0.19859	0.1578	0.08635	2.13E+00	3.67E-03	7.17E-07	7.12E-03	7.06E-02	1.28E-02	2.58E-02	1.35E-02	2.24E+00
101	486733.18	3855793.15	0.43874	0.08879	0.28692	0.28554	0.37808	0.19568	0.1567	0.08879	2.11E+00	3.78E-03	6.88E-07	6.92E-03	8.15E-02	1.27E-02	2.56E-02	1.39E-02	2.22E+00
102	486783.18	3855793.15	0.43331	0.09169	0.29644	0.28127	0.35755	0.19321	0.1557	0.09169	2.08E+00	3.90E-03	7.11E-07	6.81E-03	7.71E-02	1.25E-02	2.54E-02	1.44E-02	2.19E+00
103	486533.18	3855843.15	0.46135	0.08026	0.3262	0.34067	0.43463	0.22183	0.1793	0.08026	2.21E+00	3.41E-03	7.82E-07	8.25E-03	9.37E-02	1.44E-02	2.93E-02	1.26E-02	2.35E+00
104	486583.18	3855843.15	0.46293	0.08026	0.31083	0.3174	0.38541	0.20901	0.1638	0.08026	2.22E+00	3.41E-03	7.45E-07	7.69E-03	8.31E-02	1.35E-02	2.67E-02	1.26E-02	2.34E+00
105	486633.18	3855843.15	0.45621	0.08167	0.31502	0.30491	0.32574	0.20716	0.1638	0.08167	2.19E+00	3.47E-03	7.56E-07	7.39E-03	7.03E-02	1.34E-02	2.67E-02	1.28E-02	2.30E+00
106	486683.18	3855843.15	0.44989	0.0838	0.3107	0.29845	0.31076	0.20558	0.1574	0.0838	2.16E+00	3.57E-03	7.45E-07	7.23E-03	6.70E-02	1.33E-02	2.57E-02	1.31E-02	2.26E+00
107	486733.18	3855843.15	0.44399	0.08613	0.30338	0.29284	0.36639	0.20398	0.1543	0.08613	2.13E+00	3.66E-03	7.28E-07	7.09E-03	7.90E-02	1.32E-02	2.52E-02	1.35E-02	2.25E+00
108	486783.18	3855843.15	0.43881	0.08848	0.29528	0.29014	0.39208	0.20108	0.1534	0.08848	2.11E+00	3.76E-03	7.08E-07	7.03E-03	8.46E-02	1.30E-02	2.50E-02	1.39E-02	2.23E+00
109	486533.18	3855893.15	0.47425	0.07901	0.33253	0.36856	0.42725	0.22361	0.1857	0.07901	2.28E+00	3.36E-03	7.98E-07	8.93E-03	9.21E-02	1.45E-02	3.03E-02	1.24E-02	2.41E+00
110	486583.18	3855893.15	0.46764	0.07907	0.32648	0.34702	0.45211	0.21966	0.1741	0.07907	2.24E+00	3.36E-03	7.83E-07	8.41E-03	9.75E-02	1.42E-02	2.84E-02	1.24E-02	2.38E+00

111	486633.18	3855893.15	0.46202	0.07994	0.31606	0.32237	0.41997	0.21552	0.1635	0.07994	2.22E+00	3.40E-03	7.58E-07	7.81E-03	9.06E-02	1.39E-02	2.67E-02	1.25E-02	2.35E+00
112	486683.18	3855893.15	0.45575	0.0813	0.30681	0.31083	0.34727	0.21293	0.1633	0.0813	2.19E+00	3.46E-03	7.36E-07	7.53E-03	7.49E-02	1.38E-02	2.67E-02	1.27E-02	2.30E+00
113	486733.18	3855893.15	0.44977	0.08342	0.31091	0.30489	0.35222	0.21063	0.1629	0.08342	2.16E+00	3.55E-03	7.46E-07	7.39E-03	7.60E-02	1.36E-02	2.66E-02	1.31E-02	2.27E+00
114	486783.18	3855893.15	0.44314	0.08576	0.30687	0.30415	0.40675	0.2095	0.1586	0.08576	2.13E+00	3.65E-03	7.36E-07	7.37E-03	8.77E-02	1.36E-02	2.59E-02	1.34E-02	2.25E+00
115	486533.18	3855943.15	0.48174	0.07831	0.32671	0.3991	0.41235	0.23158	0.1883	0.07831	2.31E+00	3.33E-03	7.84E-07	9.67E-03	8.89E-02	1.50E-02	3.07E-02	1.23E-02	2.45E+00
116	486583.18	3855943.15	0.47217	0.07933	0.33542	0.37941	0.4508	0.23007	0.189	0.07933	2.27E+00	3.38E-03	8.04E-07	9.19E-03	9.72E-02	1.49E-02	3.08E-02	1.24E-02	2.41E+00
117	486633.18	3855943.15	0.46757	0.07976	0.33693	0.34978	0.47237	0.22387	0.1848	0.07976	2.24E+00	3.39E-03	8.08E-07	8.47E-03	1.02E-01	1.45E-02	3.02E-02	1.25E-02	2.39E+00
118	486683.18	3855943.15	0.46025	0.08042	0.33986	0.32963	0.45988	0.22081	0.1689	0.08042	2.21E+00	3.42E-03	8.15E-07	7.99E-03	9.92E-02	1.43E-02	2.76E-02	1.26E-02	2.35E+00
119	486733.18	3855943.15	0.45515	0.08142	0.33831	0.31768	0.37038	0.21761	0.1635	0.08142	2.18E+00	3.46E-03	8.11E-07	7.70E-03	7.99E-02	1.41E-02	2.67E-02	1.28E-02	2.30E+00
120	486783.18	3855943.15	0.44785	0.08251	0.33752	0.3106	0.39611	0.21642	0.1632	0.08251	2.15E+00	3.51E-03	8.09E-07	7.52E-03	8.54E-02	1.40E-02	2.66E-02	1.29E-02	2.27E+00
121	486533.18	3855993.15	0.48686	0.07768	0.34726	0.43739	0.38794	0.25438	0.2003	0.07768	2.34E+00	3.31E-03	8.33E-07	1.06E-02	8.37E-02	1.65E-02	3.27E-02	1.22E-02	2.47E+00
122	486583.18	3855993.15	0.47938	0.0788	0.35708	0.42092	0.43907	0.23932	0.1954	0.0788	2.30E+00	3.35E-03	8.56E-07	1.02E-02	9.47E-02	1.55E-02	3.19E-02	1.23E-02	2.44E+00
123	486633.18	3855993.15	0.47307	0.07936	0.36443	0.39898	0.47425	0.23435	0.1916	0.07936	2.27E+00	3.38E-03	8.74E-07	9.67E-03	1.02E-01	1.52E-02	3.13E-02	1.24E-02	2.42E+00
124	486683.18	3855993.15	0.4657	0.08018	0.3715	0.35924	0.49934	0.23234	0.1909	0.08018	2.23E+00	3.41E-03	8.91E-07	8.70E-03	1.08E-01	1.50E-02	3.12E-02	1.26E-02	2.39E+00
125	486733.18	3855993.15	0.4599	0.08084	0.37496	0.34503	0.49825	0.22424	0.1796	0.08084	2.21E+00	3.44E-03	8.99E-07	8.36E-03	1.07E-01	1.45E-02	2.93E-02	1.27E-02	2.36E+00
126	486783.18	3855993.15	0.45324	0.08169	0.37747	0.33541	0.40594	0.22047	0.1684	0.08169	2.18E+00	3.48E-03	9.05E-07	8.13E-03	8.76E-02	1.43E-02	2.75E-02	1.28E-02	2.30E+00
127	486533.18	3856043.15	0.49367	0.07771	0.34746	0.50532	0.48253	0.27637	0.2191	0.07771	2.37E+00	3.31E-03	8.33E-07	1.22E-02	1.04E-01	1.79E-02	3.58E-02	1.22E-02	2.53E+00
128	486583.18	3856043.15	0.48493	0.07733	0.35815	0.45177	0.45361	0.25746	0.2111	0.07733	2.33E+00	3.29E-03	8.59E-07	1.09E-02	9.78E-02	1.67E-02	3.45E-02	1.21E-02	2.48E+00
129	486633.18	3856043.15	0.47912	0.0786	0.3449	0.43462	0.46653	0.24507	0.2027	0.0786	2.30E+00	3.34E-03	8.27E-07	1.05E-02	1.01E-01	1.59E-02	3.31E-02	1.23E-02	2.45E+00
130	486683.18	3856043.15	0.47099	0.07991	0.33683	0.41289	0.4997	0.24085	0.1995	0.07991	2.26E+00	3.40E-03	8.08E-07	1.00E-02	1.08E-01	1.56E-02	3.26E-02	1.25E-02	2.42E+00
131	486733.18	3856043.15	0.46537	0.08037	0.32486	0.38016	0.58948	0.23585	0.1952	0.08037	2.23E+00	3.42E-03	7.79E-07	9.21E-03	1.27E-01	1.53E-02	3.19E-02	1.26E-02	2.41E+00
132	486783.18	3856043.15	0.45704	0.08131	0.31796	0.36689	0.51717	0.2318	0.189	0.08131	2.19E+00	3.46E-03	7.63E-07	8.89E-03	1.12E-01	1.50E-02	3.08E-02	1.27E-02	2.35E+00
133	486533.18	3856093.15	0.50011	0.07622	0.328	0.54349	0.52812	0.31245	0.2489	0.07622	2.40E+00	3.24E-03	7.87E-07	1.32E-02	1.14E-01	2.02E-02	4.06E-02	1.19E-02	2.58E+00
134	486583.18	3856093.15	0.49229	0.07717	0.32783	0.50936	0.49923	0.29264	0.2342	0.07717	2.36E+00	3.28E-03	7.86E-07	1.23E-02	1.08E-01	1.89E-02	3.82E-02	1.21E-02	2.53E+00
135	486633.18	3856093.15	0.48534	0.0768	0.32739	0.47796	0.46617	0.2668	0.2221	0.0768	2.33E+00	3.27E-03	7.85E-07	1.16E-02	1.01E-01	1.73E-02	3.62E-02	1.20E-02	2.49E+00
136	486683.18	3856093.15	0.47733	0.07834	0.33256	0.4456	0.4958	0.25843	0.2141	0.07834	2.29E+00	3.33E-03	7.98E-07	1.08E-02	1.07E-01	1.67E-02	3.49E-02	1.23E-02	2.45E+00
137	486733.18	3856093.15	0.47054	0.07979	0.33426	0.41797	0.55014	0.24897	0.207	0.07979	2.26E+00	3.39E-03	8.02E-07	1.01E-02	1.19E-01	1.61E-02	3.38E-02	1.25E-02	2.43E+00
138	486783.18	3856093.15	0.46249	0.0809	0.32261	0.39555	0.62906	0.24601	0.2032	0.0809	2.22E+00	3.44E-03	7.74E-07	9.58E-03	1.36E-01	1.59E-02	3.32E-02	1.27E-02	2.40E+00
139	486533.18	3856143.15	0.50936	0.07903	0.34593	0.63241	0.56629	0.33034	0.2777	0.07903	2.44E+00	3.36E-03	8.30E-07	1.53E-02	1.22E-01	2.14E-02	4.53E-02	1.24E-02	2.64E+00
140	486583.18	3856143.15	0.50185	0.07561	0.34164	0.55779	0.54263	0.3175	0.2622	0.07561	2.41E+00	3.22E-03	8.19E-07	1.35E-02	1.17E-01	2.05E-02	4.28E-02	1.18E-02	2.59E+00
141	486633.18	3856143.15	0.49285	0.07664	0.34592	0.50577	0.51324	0.30667	0.2473	0.07664	2.37E+00	3.26E-03	8.30E-07	1.23E-02	1.11E-01	1.98E-02	4.04E-02	1.20E-02	2.54E+00
142	486683.18	3856143.15	0.48476	0.07642	0.34836	0.47901	0.53845	0.28257	0.2344	0.07642	2.33E+00	3.25E-03	8.35E-07	1.16E-02	1.16E-01	1.83E-02	3.83E-02	1.20E-02	2.50E+00
143	486733.18	3856143.15	0.47674	0.07784	0.34443	0.45422	0.52573	0.27114	0.224	0.07784	2.29E+00	3.31E-03	8.26E-07	1.10E-02	1.13E-01	1.75E-02	3.66E-02	1.22E-02	2.46E+00
144	486783.18	3856143.15	0.4668	0.07966	0.33811	0.43671	0.75364	0.26449	0.2186	0.07966	2.24E+00	3.39E-03	8.11E-07	1.06E-02	1.63E-01	1.71E-02	3.57E-02	1.25E-02	2.46E+00
145	486533.18	3856193.15	0.51952	0.07976	0.32746	0.74113	0.59762	0.35639	0.2779	0.07976	2.49E+00	3.39E-03	7.85E-07	1.80E-02	1.29E-01	2.31E-02	4.54E-02	1.25E-02	2.70E+00
146	486583.18	3856193.15	0.51168	0.07944	0.31888	0.6857	0.58156	0.34078	0.271	0.07944	2.46E+00	3.38E-03	7.65E-07	1.66E-02	1.25E-01	2.20E-02	4.42E-02	1.24E-02	2.65E+00
147	486633.18	3856193.15	0.50194	0.0776	0.31441	0.61894	0.55792	0.32836	0.2627	0.0776	2.41E+00	3.30E-03	7.54E-07	1.50E-02	1.20E-01	2.12E-02	4.29E-02	1.22E-02	2.60E+00
148	486683.18	3856193.15	0.49136	0.07927	0.31159	0.55608	0.63266	0.31301	0.252	0.07927	2.36E+00	3.37E-03	7.47E-07	1.35E-02	1.36E-01	2.03E-02	4.11E-02	1.24E-02	2.56E+00
149	486733.18	3856193.15	0.48318	0.07739	0.30574	0.50841	0.62959	0.29629	0.2437	0.07739	2.32E+00	3.29E-03	7.33E-07	1.23E-02	1.36E-01	1.92E-02	3.98E-02	1.21E-02	2.52E+00
150	486783.18	3856193.15	0.47263	0.0788	0.30497	0.4813	0.61964	0.2801	0.2352	0.0788	2.27E+00	3.35E-03	7.31E-07	1.17E-02	1.34E-01	1.81E-02	3.84E-02	1.23E-02	2.46E+00
151	486533.18	3856243.15	0.53259	0.08046	0.35277	0.84712	0.76865	0.39519	0.2911	0.08046	2.56E+00	3.42E-03	8.46E-07	2.05E-02	1.66E-01	2.56E-02	4.75E-02	1.26E-02	2.81E+00
152	486583.18	3856243.15	0.52205	0.08049	0.36651	0.76449	0.63998	0.37167	0.276	0.08049	2.51E+00	3.42E-03	8.79E-07	1.85E-02	1.38E-01	2.40E-02	4.50E-02	1.26E-02	2.72E+00
153	486633.18	3856243.15	0.51179	0.0808	0.36449	0.70132	0.59769	0.34807	0.2637	0.0808	2.46E+00	3.44E-03	8.74E-07	1.70E-02	1.29E-01	2.25E-02	4.30E-02	1.27E-02	2.66E+00
154	486683.18	3856243.15	0.5011	0.0805	0.35948	0.65289	0.57397	0.33399	0.2549	0.0805	2.40E+00	3.43E-03	8.62E-07	1.58E-02	1.24E-01	2.16E-02	4.16E-02	1.26E-02	2.60E+00
155	486733.18	3856243.15	0.49016	0.08091	0.35582	0.58026	0.84811	0.31889	0.2473	0.08091	2.35E+00	3.44E-03	8.53E-07	1.41E-02	1.83E-01	2.06E-02	4.04E-02	1.27E-02	2.60E+00
156	486783.18	3856243.15	0.48043	0.07877	0.34957	0.51808	0.74088	0.30468	0.2406	0.07877	2.31E+00	3.35E-03	8.38E-07	1.26E-02	1.60E-01	1.97E-02	3.93E-02	1.23E-02	2.53E+00
157	486533.18	3856293.15	0.54778	0.08428	0.33043	1.02796	0.74447	0.43202	0.3321	0.08428	2.63E+00	3.59E-03	7.92E-07	2.49E-02	1.61E-01	2.80E-02	5.42E-02	1.32E-02	2.89E+00
158	486583.18	3856293.15	0.53541	0.08398	0.32545	0.87419	0.89672	0.39985	0.3107	0.08398	2.57E+00	3.57E-03	7.81E-07	2.12E-02	1.93E-01	2.59E-02	5.07E-02	1.32E-02	2.85E+00
159	486633.18	3856293.15	0.52343	0.08435	0.32194	0.77869	0.77599	0.37425	0.2947	0.08435	2.51E+00	3.59E-03	7.72E-07	1.89E-02	1.67E-01	2.42E-02	4.81E-02	1.32E-02	2.76E+00
160	486683.18	3856293.15	0.51164	0.08505	0.32727	0.71187	0.65088	0.35385	0.2819	0.08505	2.46E+00	3.62E-03	7.85E-07	1.72E-02	1.40E-01	2.29E-02	4.60E-02	1.33E-02	2.67E+00
161	486733.18	3856293.15	0.49912	0.08154	0.33514	0.66082	0.66404	0.33731	0.2727	0.08154	2.40E+00	3.47E-03	8.04E-07	1.60E-02	1.43E-01	2.18E-02	4.45E-02	1.28E-02	2.61E+00
162	486783.18	3856293.15	0.48854	0.08168	0.33271	0.60231	1.05934	0.32141	0.2615	0.08168	2.34E+00	3.48E-03	7.98E-07	1.46E-02	2.28E-01	2.08E-02	4.27E-02	1.28E-02	2.64E+00
163	486783.18	3856343.15	0.49676	0.08265	0.32965	0.66499	0.90844	0.34037	0.2811	0.08265	2.38E+00	3.52E-03	7.91E-07	1.61E-02	1.96E-01	2.20E-02	4.59E-02	1.29E-02	2.65E+00
164	486833.18	3856343.15	0.48258	0.08287	0.3152	0.62472	1.2538	0.32566	0.2689	0.08287	2.32E+00	3.53E-03	7.56E-07	1.51E-02	2.70E-01	2.11E-02	4.39E-02	1.30E-02	2.66E+00
165	486883.18	3856343.15	0.46948	0.0815	0.29746	0.56345	1.03358	0.31373	0.2575	0.0815	2.25E+00	3.47E-03	7.13E-07	1.37E-02	2.23E-01	2.03E-02	4.20E-02	1.28E-02	2.54E+00
166	486783.18	3856393.15	0.5079	0.08797	0.31369	0.72102	0.98175	0.36342	0.2921	0.08797	2.44E+00	3.74E-03	7.52E-07	1.75E-02	2.12E-01	2.35E-02	4.77E-02	1.38E-02	2.73E+00
167	486833.18	3856393.15	0.4924	0.08383	0.30093	0.6689	1.21912	0.3493	0.2775	0.08383	2.36E+00	3.57E-03	7.22E-07	1.62E-02	2.63E-01	2.26E-02	4.53E-02	1.31E-02	2.70E+00

168	486883.18	3856393.15	0.47901	0.08359	0.29655	0.62635	1.40046	0.33035	0.2638	0.08359	2.30E+00	3.56E-03	7.11E-07	1.52E-02	3.02E-01	2.14E-02	4.31E-02	1.31E-02	2.67E+00
169	487208.74	3856886.11	0.52187	0.11277	0.29917	0.94739	8.65259	0.51716	0.2968	0.11277	2.50E+00	4.80E-03	7.18E-07	2.30E-02	1.87E+00	3.35E-02	4.84E-02	1.77E-02	4.46E+00
170	487258.74	3856886.11	0.50341	0.11164	0.27181	0.81503	8.74846	0.47733	0.2856	0.11164	2.42E+00	4.75E-03	6.52E-07	1.97E-02	1.89E+00	3.09E-02	4.66E-02	1.75E-02	4.39E+00
171	487308.74	3856886.11	0.48184	0.11062	0.26177	0.71751	8.66293	0.44256	0.2765	0.11062	2.31E+00	4.71E-03	6.28E-07	1.74E-02	1.87E+00	2.86E-02	4.51E-02	1.73E-02	4.26E+00
172	487358.74	3856886.11	0.46245	0.10929	0.24627	0.648	8.89156	0.41205	0.269	0.10929	2.22E+00	4.65E-03	5.91E-07	1.57E-02	1.92E+00	2.67E-02	4.39E-02	1.71E-02	4.21E+00
173	487208.74	3856936.11	0.54481	0.11603	0.35448	1.16242	9.42107	0.57155	0.3089	0.11603	2.61E+00	4.94E-03	8.50E-07	2.82E-02	2.03E+00	3.70E-02	5.04E-02	1.82E-02	4.75E+00
174	487258.74	3856936.11	0.52351	0.11497	0.26231	0.96255	9.20172	0.52291	0.2948	0.11497	2.51E+00	4.89E-03	6.29E-07	2.33E-02	1.98E+00	3.38E-02	4.81E-02	1.80E-02	4.59E+00
175	487308.74	3856936.11	0.50482	0.11408	0.27223	0.82459	9.13079	0.48239	0.2833	0.11408	2.42E+00	4.85E-03	6.53E-07	2.00E-02	1.97E+00	3.12E-02	4.62E-02	1.79E-02	4.48E+00
176	487358.74	3856936.11	0.48725	0.11291	0.24264	0.7251	9.0156	0.44791	0.2739	0.11291	2.34E+00	4.80E-03	5.82E-07	1.76E-02	1.94E+00	2.90E-02	4.47E-02	1.77E-02	4.36E+00
177	487208.74	3856986.11	0.57249	0.11927	0.29495	1.51695	9.72226	0.64182	0.3314	0.11927	2.75E+00	5.07E-03	7.07E-07	3.68E-02	2.10E+00	4.15E-02	5.41E-02	1.87E-02	4.96E+00
178	487258.74	3856986.11	0.54678	0.11879	0.24858	1.17706	9.30756	0.57605	0.3105	0.11879	2.62E+00	5.05E-03	5.96E-07	2.85E-02	2.01E+00	3.73E-02	5.07E-02	1.86E-02	4.73E+00
179	487308.74	3856986.11	0.52535	0.11737	0.23417	0.9755	9.55631	0.52764	0.2928	0.11737	2.52E+00	4.99E-03	5.62E-07	2.36E-02	2.06E+00	3.41E-02	4.78E-02	1.84E-02	4.67E+00
180	487358.74	3856986.11	0.5064	0.11663	0.23383	0.83204	9.20386	0.48658	0.2807	0.11663	2.43E+00	4.96E-03	5.61E-07	2.02E-02	1.99E+00	3.15E-02	4.58E-02	1.83E-02	4.50E+00
181	487208.74	3857036.11	0.62209	0.12245	0.26882	2.22525	10.86562	0.74978	0.3613	0.12245	2.99E+00	5.21E-03	6.45E-07	5.39E-02	2.34E+00	4.85E-02	5.90E-02	1.92E-02	5.48E+00
182	487258.74	3857036.11	0.57539	0.12174	0.26106	1.54446	10.60767	0.652	0.3339	0.12174	2.76E+00	5.18E-03	6.26E-07	3.74E-02	2.29E+00	4.22E-02	5.45E-02	1.91E-02	5.17E+00
183	487308.74	3857036.11	0.54925	0.12125	0.24456	1.18989	10.25219	0.58302	0.3124	0.12125	2.64E+00	5.16E-03	5.87E-07	2.88E-02	2.21E+00	3.77E-02	5.10E-02	1.90E-02	4.95E+00
184	487358.74	3857036.11	0.52725	0.12031	0.22441	0.97806	9.83609	0.53195	0.295	0.12031	2.53E+00	5.12E-03	5.38E-07	2.37E-02	2.12E+00	3.44E-02	4.81E-02	1.88E-02	4.74E+00
185	487427.14	3856878.23	0.44091	0.10774	0.24133	0.5739	8.60614	0.37109	0.2516	0.10774	2.12E+00	4.58E-03	5.79E-07	1.39E-02	1.86E+00	2.40E-02	4.11E-02	1.69E-02	4.04E+00
186	487477.14	3856878.23	0.42905	0.10676	0.23742	0.54166	8.44893	0.35733	0.2373	0.10676	2.06E+00	4.54E-03	5.69E-07	1.31E-02	1.82E+00	2.31E-02	3.87E-02	1.67E-02	3.94E+00
187	487527.14	3856878.23	0.41814	0.10705	0.28608	0.51438	7.85201	0.34495	0.2232	0.10705	2.01E+00	4.55E-03	6.86E-07	1.25E-02	1.69E+00	2.23E-02	3.64E-02	1.68E-02	3.76E+00
188	487427.14	3856928.23	0.45648	0.11119	0.23893	0.62435	9.07371	0.40124	0.2627	0.11119	2.19E+00	4.73E-03	5.73E-07	1.51E-02	1.96E+00	2.60E-02	4.29E-02	1.74E-02	4.22E+00
189	487477.14	3856928.23	0.43933	0.1099	0.23497	0.57781	9.02282	0.37695	0.2508	0.1099	2.11E+00	4.68E-03	5.64E-07	1.40E-02	1.95E+00	2.44E-02	4.09E-02	1.72E-02	4.12E+00
190	487527.14	3856928.23	0.42641	0.11097	0.27501	0.53857	8.91413	0.36356	0.2359	0.11097	2.05E+00	4.72E-03	6.60E-07	1.30E-02	1.92E+00	2.35E-02	3.85E-02	1.74E-02	4.03E+00
191	487577.14	3856928.23	0.41528	0.11009	0.29044	0.51147	8.80349	0.34826	0.222	0.11009	1.99E+00	4.68E-03	6.97E-07	1.24E-02	1.90E+00	2.25E-02	3.62E-02	1.72E-02	3.95E+00
192	487627.14	3856928.23	0.40514	0.10873	0.28634	0.48849	8.89168	0.32651	0.2089	0.10873	1.94E+00	4.63E-03	6.87E-07	1.18E-02	1.92E+00	2.11E-02	3.41E-02	1.70E-02	3.92E+00
193	487677.14	3856928.23	0.3949	0.10807	0.24404	0.46692	8.60409	0.31741	0.1997	0.10807	1.90E+00	4.60E-03	5.85E-07	1.13E-02	1.86E+00	2.05E-02	3.26E-02	1.69E-02	3.80E+00
194	487727.14	3856928.23	0.3849	0.10745	0.24263	0.4398	8.60111	0.30468	0.1996	0.10745	1.85E+00	4.57E-03	5.82E-07	1.07E-02	1.86E+00	1.97E-02	3.26E-02	1.68E-02	3.75E+00
195	487777.14	3856928.23	0.37543	0.10636	0.24558	0.40814	8.38472	0.29264	0.1975	0.10636	1.80E+00	4.53E-03	5.89E-07	9.89E-03	1.81E+00	1.89E-02	3.22E-02	1.67E-02	3.66E+00
196	487427.14	3856978.23	0.48084	0.11435	0.23298	0.68712	9.23939	0.43531	0.2674	0.11435	2.31E+00	4.87E-03	5.59E-07	1.66E-02	1.99E+00	2.82E-02	4.36E-02	1.79E-02	4.38E+00
197	487477.14	3856978.23	0.46148	0.11427	0.24131	0.6287	9.0614	0.40649	0.26	0.11427	2.21E+00	4.86E-03	5.79E-07	1.52E-02	1.95E+00	2.63E-02	4.24E-02	1.79E-02	4.24E+00
198	487527.14	3856978.23	0.44378	0.11499	0.27147	0.58087	9.31552	0.38505	0.2502	0.11499	2.13E+00	4.89E-03	6.51E-07	1.41E-02	2.01E+00	2.49E-02	4.08E-02	1.80E-02	4.21E+00
199	487577.14	3856978.23	0.42763	0.11376	0.25596	0.54088	9.77525	0.36719	0.2346	0.11376	2.05E+00	4.84E-03	6.14E-07	1.31E-02	2.11E+00	2.38E-02	3.83E-02	1.78E-02	4.22E+00
200	487627.14	3856978.23	0.41306	0.11237	0.23711	0.50859	10.26819	0.34926	0.2201	0.11237	1.98E+00	4.78E-03	5.69E-07	1.23E-02	2.21E+00	2.26E-02	3.59E-02	1.76E-02	4.25E+00
201	487677.14	3856978.23	0.40215	0.11146	0.22207	0.48497	10.00684	0.33161	0.2104	0.11146	1.93E+00	4.74E-03	5.33E-07	1.17E-02	2.16E+00	2.15E-02	3.43E-02	1.75E-02	4.14E+00
202	487727.14	3856978.23	0.3927	0.10952	0.22747	0.46584	9.96135	0.31983	0.2095	0.10952	1.88E+00	4.66E-03	5.46E-07	1.13E-02	2.15E+00	2.07E-02	3.42E-02	1.72E-02	4.09E+00
203	487777.14	3856978.23	0.38188	0.10956	0.23399	0.44465	9.59351	0.30556	0.2039	0.10956	1.83E+00	4.66E-03	5.61E-07	1.08E-02	2.07E+00	1.98E-02	3.33E-02	1.72E-02	3.95E+00
204	487427.14	3857028.23	0.49902	0.11817	0.20908	0.77687	9.52687	0.47153	0.2729	0.11817	2.39E+00	5.03E-03	5.01E-07	1.88E-02	2.05E+00	3.05E-02	4.45E-02	1.85E-02	4.53E+00
205	487477.14	3857028.23	0.4834	0.11853	0.22157	0.69016	9.44835	0.43839	0.2642	0.11853	2.32E+00	5.04E-03	5.31E-07	1.67E-02	2.04E+00	2.84E-02	4.31E-02	1.86E-02	4.43E+00
206	487527.14	3857028.23	0.46623	0.11772	0.23258	0.63224	9.598	0.41094	0.257	0.11772	2.24E+00	5.01E-03	5.58E-07	1.53E-02	2.07E+00	2.66E-02	4.20E-02	1.84E-02	4.38E+00
207	487577.14	3857028.23	0.44831	0.11637	0.24225	0.58417	9.57866	0.38788	0.2485	0.11637	2.15E+00	4.95E-03	5.81E-07	1.42E-02	2.07E+00	2.51E-02	4.06E-02	1.82E-02	4.28E+00
208	487627.14	3857028.23	0.43231	0.11492	0.2499	0.54384	10.09376	0.36806	0.2323	0.11492	2.07E+00	4.89E-03	5.99E-07	1.32E-02	2.18E+00	2.38E-02	3.79E-02	1.80E-02	4.31E+00
209	487677.14	3857028.23	0.41708	0.11371	0.21512	0.50902	10.05698	0.35041	0.2212	0.11371	2.00E+00	4.84E-03	5.16E-07	1.23E-02	2.17E+00	2.27E-02	3.61E-02	1.78E-02	4.23E+00
210	487727.14	3857028.23	0.40272	0.11266	0.21508	0.48032	9.47699	0.33527	0.2174	0.11266	1.93E+00	4.79E-03	5.16E-07	1.16E-02	2.04E+00	2.17E-02	3.55E-02	1.76E-02	4.03E+00
211	487777.14	3857028.23	0.38975	0.11157	0.22084	0.46	9.83355	0.32093	0.2083	0.11157	1.87E+00	4.75E-03	5.30E-07	1.11E-02	2.12E+00	2.08E-02	3.40E-02	1.75E-02	4.04E+00
212	487427.14	3857078.23	0.51869	0.12191	0.22641	0.89538	9.77378	0.51376	0.2859	0.12191	2.49E+00	5.19E-03	5.43E-07	2.17E-02	2.11E+00	3.32E-02	4.67E-02	1.91E-02	4.68E+00
213	487477.14	3857078.23	0.50092	0.122	0.22547	0.77727	10.00639	0.4748	0.2708	0.122	2.40E+00	5.19E-03	5.41E-07	1.88E-02	2.16E+00	3.07E-02	4.42E-02	1.91E-02	4.64E+00
214	487527.14	3857078.23	0.48505	0.12078	0.2212	0.69455	9.90149	0.44079	0.2612	0.12078	2.33E+00	5.14E-03	5.31E-07	1.68E-02	2.14E+00	2.85E-02	4.26E-02	1.89E-02	4.54E+00
215	487577.14	3857078.23	0.4707	0.11924	0.23691	0.63529	10.01128	0.41596	0.254	0.11924	2.26E+00	5.07E-03	5.68E-07	1.54E-02	2.16E+00	2.69E-02	4.15E-02	1.87E-02	4.49E+00
216	487627.14	3857078.23	0.45283	0.1177	0.23363	0.58648	10.07125	0.39089	0.2462	0.1177	2.17E+00	5.01E-03	5.60E-07	1.42E-02	2.17E+00	2.53E-02	4.02E-02	1.84E-02	4.41E+00
217	487677.14	3857078.23	0.43612	0.11631	0.21278	0.54548	10.05117	0.3698	0.2323	0.11631	2.09E+00	4.95E-03	5.10E-07	1.32E-02	2.17E+00	2.39E-02	3.79E-02	1.82E-02	4.32E+00
218	487727.14	3857078.23	0.42057	0.11503	0.20757	0.51095	9.83052	0.36075	0.2207	0.11503	2.02E+00	4.89E-03	4.98E-07	1.24E-02	2.12E+00	2.33E-02	3.60E-02	1.80E-02	4.20E+00
219	487777.14	3857078.23	0.40653	0.11371	0.21106	0.48141	9.52736	0.34095	0.21	0.11371	1.95E+00	4.84E-03	5.06E-07	1.17E-02	2.05E+00	2.21E-02	3.43E-02	1.78E-02	4.06E+00
220	487427.14	3857128.23	0.54113	0.12591	0.24153	1.05439	10.32697	0.56462	0.3039	0.12591	2.60E+00	5.36E-03	5.79E-07	2.55E-02	2.23E+00	3.65E-02	4.96E-02	1.97E-02	4.92E+00
221	487477.14	3857128.23	0.52027	0.12558	0.23696	0.89461	9.73138	0.51902	0.2867	0.12558	2.50E+00	5.34E-03	5.68E-07	2.17E-02	2.10E+00	3.36E-02	4.68E-02	1.97E-02	4.68E+00
222	487527.14	3857128.23	0.50212	0.12391	0.24249	0.78016	10.03512	0.47908	0.2701	0.12391	2.41E+00	5.27E-03	5.82E-07	1.89E-02	2.16E+00	3.10E-02	4.41E-02	1.94E-02	4.65E+00
223	487577.14	3857128.23	0.48586	0.12228	0.24185	0.69643	10.20132	0.44413	0.2587	0.12228	2.33E+00	5.20E-03	5.80E-07	1.69E-02	2.20E+00	2.87E-02	4.22E-02	1.92E-02	4.61E+00
224	487627.14	3857128.23	0.4712	0.12069	0.24532	0.63612	10.32645	0.41978	0.2512	0.12069	2.26E+00	5.14E-03	5.88E-07	1.54E-02	2.23E+00	2.72E-02	4.10E-02	1.89E-02	4.56E+00

225	487677.14	3857128.23	0.45674	0.11907	0.21236	0.58732	10.3412	0.39561	0.2445	0.11907	2.19E+00	5.07E-03	5.09E-07	1.42E-02	2.23E+00	2.56E-02	3.99E-02	1.87E-02	4.49E+00
226	487727.14	3857128.23	0.43948	0.11795	0.20053	0.54654	10.27609	0.38006	0.2315	0.11795	2.11E+00	5.02E-03	4.81E-07	1.32E-02	2.22E+00	2.46E-02	3.78E-02	1.85E-02	4.39E+00
227	487777.14	3857128.23	0.42408	0.11643	0.2108	0.51288	10.12171	0.36779	0.2202	0.11643	2.04E+00	4.95E-03	5.06E-07	1.24E-02	2.18E+00	2.38E-02	3.59E-02	1.82E-02	4.28E+00
228	488049.44	3856539.39	0.29557	0.10089	0.22483	0.2444	2.2525	0.18803	0.1429	0.10089	1.42E+00	4.29E-03	5.39E-07	5.92E-03	4.86E-01	1.22E-02	2.33E-02	1.58E-02	1.93E+00
229	488099.44	3856539.39	0.29001	0.10081	0.22333	0.23964	2.45449	0.18338	0.1393	0.10081	1.39E+00	4.29E-03	5.36E-07	5.81E-03	5.29E-01	1.19E-02	2.27E-02	1.58E-02	1.95E+00
230	488149.44	3856539.39	0.28562	0.10035	0.22558	0.23503	2.45348	0.18213	0.1361	0.10035	1.37E+00	4.27E-03	5.41E-07	5.69E-03	5.29E-01	1.18E-02	2.22E-02	1.57E-02	1.93E+00
231	488049.44	3856589.39	0.29943	0.09775	0.2499	0.25004	2.79959	0.19336	0.1457	0.09775	1.44E+00	4.16E-03	5.99E-07	6.06E-03	6.04E-01	1.25E-02	2.38E-02	1.53E-02	2.07E+00
232	488099.44	3856589.39	0.29243	0.09981	0.24669	0.24468	2.72907	0.18871	0.142	0.09981	1.40E+00	4.25E-03	5.92E-07	5.93E-03	5.89E-01	1.22E-02	2.32E-02	1.56E-02	2.02E+00
233	488149.44	3856589.39	0.28423	0.09974	0.24261	0.23963	2.67906	0.18642	0.1385	0.09974	1.36E+00	4.24E-03	5.82E-07	5.81E-03	5.78E-01	1.21E-02	2.26E-02	1.56E-02	1.97E+00
234	488199.44	3856589.39	0.27974	0.09944	0.23763	0.23509	2.54596	0.18437	0.1347	0.09944	1.34E+00	4.23E-03	5.70E-07	5.70E-03	5.49E-01	1.19E-02	2.20E-02	1.56E-02	1.92E+00
235	488249.44	3856589.39	0.27539	0.09856	0.2323	0.23025	2.72848	0.18306	0.1321	0.09856	1.32E+00	4.19E-03	5.57E-07	5.58E-03	5.88E-01	1.18E-02	2.16E-02	1.54E-02	1.94E+00
236	488049.44	3856639.39	0.30531	0.09797	0.25447	0.25643	3.05216	0.19638	0.1483	0.09797	1.47E+00	4.17E-03	6.10E-07	6.21E-03	6.58E-01	1.27E-02	2.42E-02	1.53E-02	2.16E+00
237	488099.44	3856639.39	0.29672	0.09849	0.25581	0.25059	2.92929	0.19346	0.1446	0.09849	1.42E+00	4.19E-03	6.14E-07	6.07E-03	6.32E-01	1.25E-02	2.36E-02	1.54E-02	2.09E+00
238	488149.44	3856639.39	0.28795	0.09855	0.25428	0.2451	2.98484	0.19053	0.1409	0.09855	1.38E+00	4.19E-03	6.10E-07	5.94E-03	6.44E-01	1.23E-02	2.30E-02	1.54E-02	2.06E+00
239	488199.44	3856639.39	0.28397	0.09908	0.25382	0.23973	3.0256	0.1885	0.1375	0.09908	1.36E+00	4.22E-03	6.09E-07	5.81E-03	6.53E-01	1.22E-02	2.24E-02	1.55E-02	2.04E+00
240	488249.44	3856639.39	0.28029	0.09926	0.23849	0.23483	2.99773	0.18663	0.134	0.09926	1.35E+00	4.22E-03	5.72E-07	5.69E-03	6.47E-01	1.21E-02	2.19E-02	1.55E-02	2.02E+00
241	488299.44	3856639.39	0.27666	0.09949	0.23203	0.23058	2.91772	0.18494	0.1304	0.09949	1.33E+00	4.23E-03	5.56E-07	5.59E-03	6.29E-01	1.20E-02	2.13E-02	1.56E-02	1.98E+00
242	488349.44	3856639.39	0.27343	0.09915	0.22516	0.2271	2.92968	0.18313	0.1263	0.09915	1.31E+00	4.22E-03	5.40E-07	5.50E-03	6.32E-01	1.18E-02	2.06E-02	1.55E-02	1.97E+00
243	488399.44	3856639.39	0.26954	0.10012	0.21894	0.22398	2.85802	0.18112	0.1232	0.10012	1.29E+00	4.26E-03	5.25E-07	5.43E-03	6.16E-01	1.17E-02	2.01E-02	1.57E-02	1.94E+00
244	488099.44	3856689.39	0.30088	0.09686	0.27816	0.25675	3.42317	0.19841	0.1474	0.09686	1.44E+00	4.12E-03	6.67E-07	6.22E-03	7.38E-01	1.28E-02	2.41E-02	1.52E-02	2.21E+00
245	488149.44	3856689.39	0.29271	0.09739	0.26474	0.25095	3.31277	0.19511	0.1435	0.09739	1.40E+00	4.14E-03	6.35E-07	6.08E-03	7.14E-01	1.26E-02	2.34E-02	1.53E-02	2.15E+00
246	488199.44	3856689.39	0.28864	0.09763	0.25829	0.24521	3.32561	0.19275	0.14	0.09763	1.39E+00	4.15E-03	6.19E-07	5.94E-03	7.17E-01	1.25E-02	2.28E-02	1.53E-02	2.13E+00
247	488249.44	3856689.39	0.28516	0.09874	0.24087	0.24012	3.29607	0.18986	0.1359	0.09874	1.37E+00	4.20E-03	5.78E-07	5.82E-03	7.11E-01	1.23E-02	2.22E-02	1.55E-02	2.11E+00
248	488299.44	3856689.39	0.28101	0.10096	0.23138	0.23528	3.10267	0.18875	0.1325	0.10096	1.35E+00	4.30E-03	5.55E-07	5.70E-03	6.69E-01	1.22E-02	2.16E-02	1.58E-02	2.05E+00
249	488349.44	3856689.39	0.27764	0.10228	0.22787	0.23149	3.05684	0.18667	0.1283	0.10228	1.33E+00	4.35E-03	5.47E-07	5.61E-03	6.59E-01	1.21E-02	2.09E-02	1.60E-02	2.02E+00
250	488399.44	3856689.39	0.27491	0.10098	0.22641	0.22811	3.00444	0.18374	0.1244	0.10098	1.32E+00	4.30E-03	5.43E-07	5.53E-03	6.48E-01	1.19E-02	2.03E-02	1.58E-02	1.99E+00
251	488099.44	3856739.39	0.30508	0.09606	0.27351	0.26289	4.02976	0.20397	0.1506	0.09606	1.46E+00	4.09E-03	6.56E-07	6.37E-03	8.69E-01	1.32E-02	2.46E-02	1.50E-02	2.37E+00
252	488149.44	3856739.39	0.29755	0.09576	0.26351	0.25708	3.83786	0.20018	0.1463	0.09576	1.43E+00	4.07E-03	6.32E-07	6.23E-03	8.28E-01	1.30E-02	2.39E-02	1.50E-02	2.29E+00
253	488199.44	3856739.39	0.29304	0.09624	0.25435	0.25077	3.61617	0.19797	0.1428	0.09624	1.41E+00	4.09E-03	6.10E-07	6.08E-03	7.80E-01	1.28E-02	2.33E-02	1.51E-02	2.22E+00
254	488249.44	3856739.39	0.28943	0.0965	0.25003	0.24544	3.57116	0.19476	0.1386	0.0965	1.39E+00	4.11E-03	6.00E-07	5.95E-03	7.70E-01	1.26E-02	2.26E-02	1.51E-02	2.19E+00
255	488299.44	3856739.39	0.28646	0.09711	0.24852	0.24072	3.51414	0.19216	0.1335	0.09711	1.37E+00	4.13E-03	5.96E-07	5.83E-03	7.58E-01	1.24E-02	2.18E-02	1.52E-02	2.16E+00
256	488349.44	3856739.39	0.28192	0.0993	0.24756	0.23603	3.42095	0.19181	0.1304	0.0993	1.35E+00	4.23E-03	5.94E-07	5.72E-03	7.38E-01	1.24E-02	2.13E-02	1.56E-02	2.12E+00
257	488399.44	3856739.39	0.27763	0.10124	0.26769	0.23176	3.2949	0.19136	0.1282	0.10124	1.33E+00	4.31E-03	6.42E-07	5.61E-03	7.11E-01	1.24E-02	2.09E-02	1.59E-02	2.07E+00
258	487999.44	3856789.39	0.32866	0.09436	0.27424	0.30004	4.91291	0.21835	0.1617	0.09436	1.58E+00	4.01E-03	6.58E-07	7.27E-03	1.06E+00	1.41E-02	2.64E-02	1.48E-02	2.67E+00
259	488049.44	3856789.39	0.32344	0.09414	0.2854	0.28079	4.7144	0.21501	0.1572	0.09414	1.55E+00	4.01E-03	6.84E-07	6.80E-03	1.02E+00	1.39E-02	2.57E-02	1.47E-02	2.60E+00
260	488099.44	3856789.39	0.31014	0.09442	0.28659	0.26944	4.44752	0.20871	0.1532	0.09442	1.49E+00	4.02E-03	6.87E-07	6.53E-03	9.59E-01	1.35E-02	2.50E-02	1.48E-02	2.48E+00
261	488149.44	3856789.39	0.30336	0.09549	0.27819	0.26312	4.25678	0.20853	0.1492	0.09549	1.46E+00	4.06E-03	6.67E-07	6.37E-03	9.18E-01	1.35E-02	2.43E-02	1.50E-02	2.41E+00
262	488199.44	3856789.39	0.29839	0.09611	0.27161	0.25677	4.11652	0.20585	0.1453	0.09611	1.43E+00	4.09E-03	6.51E-07	6.22E-03	8.88E-01	1.33E-02	2.37E-02	1.51E-02	2.35E+00
263	488249.44	3856789.39	0.2942	0.09513	0.2718	0.25109	3.92648	0.19941	0.1409	0.09513	1.41E+00	4.05E-03	6.52E-07	6.08E-03	8.47E-01	1.29E-02	2.30E-02	1.49E-02	2.29E+00
264	488299.44	3856789.39	0.29065	0.09548	0.26083	0.24616	3.8259	0.19837	0.1359	0.09548	1.39E+00	4.06E-03	6.26E-07	5.96E-03	8.25E-01	1.28E-02	2.22E-02	1.50E-02	2.25E+00
265	488349.44	3856789.39	0.28595	0.09561	0.27615	0.24117	3.69565	0.19767	0.1328	0.09561	1.37E+00	4.07E-03	6.62E-07	5.84E-03	7.97E-01	1.28E-02	2.17E-02	1.50E-02	2.20E+00
266	488399.44	3856789.39	0.28183	0.09745	0.28284	0.23656	3.53954	0.1967	0.1309	0.09745	1.35E+00	4.15E-03	6.78E-07	5.73E-03	7.63E-01	1.27E-02	2.14E-02	1.53E-02	2.14E+00
267	487949.44	3856839.39	0.34049	0.09738	0.26383	0.34545	6.27485	0.22759	0.1699	0.09738	1.63E+00	4.14E-03	6.33E-07	8.37E-03	1.35E+00	1.47E-02	2.77E-02	1.53E-02	3.03E+00
268	487999.44	3856839.39	0.33224	0.09638	0.28121	0.32712	5.83721	0.22142	0.165	0.09638	1.59E+00	4.10E-03	6.74E-07	7.93E-03	1.26E+00	1.43E-02	2.69E-02	1.51E-02	2.89E+00
269	488049.44	3856839.39	0.32749	0.0961	0.28797	0.30758	5.35558	0.21852	0.1603	0.0961	1.57E+00	4.09E-03	6.91E-07	7.45E-03	1.16E+00	1.41E-02	2.62E-02	1.51E-02	2.76E+00
270	488099.44	3856839.39	0.31596	0.09605	0.28815	0.28864	4.96755	0.21454	0.1562	0.09605	1.52E+00	4.09E-03	6.91E-07	6.99E-03	1.07E+00	1.39E-02	2.55E-02	1.50E-02	2.62E+00
271	488149.44	3856839.39	0.30969	0.09594	0.28714	0.27041	4.58948	0.21137	0.1523	0.09594	1.49E+00	4.08E-03	6.89E-07	6.55E-03	9.90E-01	1.37E-02	2.49E-02	1.50E-02	2.51E+00
272	488199.44	3856839.39	0.3044	0.09571	0.28502	0.26393	4.33564	0.21082	0.1481	0.09571	1.46E+00	4.07E-03	6.84E-07	6.39E-03	9.35E-01	1.36E-02	2.42E-02	1.50E-02	2.43E+00
273	487949.44	3856889.39	0.34698	0.10021	0.2505	0.35608	7.18382	0.24242	0.1738	0.10021	1.67E+00	4.26E-03	6.01E-07	8.63E-03	1.55E+00	1.57E-02	2.84E-02	1.57E-02	3.26E+00
274	487999.44	3856889.39	0.34043	0.09951	0.25166	0.34623	6.53731	0.23647	0.1688	0.09951	1.63E+00	4.23E-03	6.04E-07	8.39E-03	1.41E+00	1.53E-02	2.75E-02	1.56E-02	3.08E+00
275	488049.44	3856889.39	0.33195	0.098	0.25101	0.33366	5.91382	0.23717	0.1639	0.098	1.59E+00	4.17E-03	6.02E-07	8.08E-03	1.28E+00	1.53E-02	2.67E-02	1.54E-02	2.91E+00
276	488099.44	3856889.39	0.32338	0.09795	0.24996	0.31453	5.45424	0.22057	0.1597	0.09795	1.55E+00	4.17E-03	5.99E-07	7.62E-03	1.18E+00	1.43E-02	2.61E-02	1.53E-02	2.77E+00
277	488635.86	3857895.05	0.39529	0.16255	0.7474	0.57652	2.46338	0.54695	0.2095	0.16255	1.90E+00	6.92E-03	1.79E-06	1.40E-02	5.31E-01	3.54E-02	3.42E-02	2.55E-02	2.49E+00
278	489137.64	3857804.15	0.32312	0.13256	0.56069	0.39423	2.1143	0.37408	0.1651	0.13256	1.55E+00	5.64E-03	1.34E-06	9.55E-03	4.56E-01	2.42E-02	2.70E-02	2.08E-02	2.05E+00
279	488617.32	3857859.41	0.38551	0.15851	0.68588	0.56263	2.53656	0.51921	0.2078	0.15851	1.85E+00	6.74E-03	1.64E-06	1.36E-02	5.47E-01	3.36E-02	3.39E-02	2.48E-02	2.46E+00
280	488667.32	3857859.41	0.37854	0.15739	0.69048	0.54071	2.44884	0.50085	0.2025	0.15739	1.82E+00	6.70E-03	1.66E-06	1.31E-02	5.28E-01	3.24E-02	3.30E-02	2.47E-02	2.41E+00
281	488717.32	3857859.41	0.37219	0.15507	0.6894	0.52351	2.34393	0.48471	0.1978	0.15507	1.79E+00	6.60E-03	1.65E-06	1.27E-02	5.06E-01	3.14E-02	3.23E-02	2.43E-02	2.35E+00

282	488767.32	3857859.41	0.36576	0.15125	0.68344	0.50337	2.21386	0.46815	0.1937	0.15125	1.76E+00	6.44E-03	1.64E-06	1.22E-02	4.77E-01	3.03E-02	3.16E-02	2.37E-02	2.29E+00
283	488617.32	3857909.41	0.40748	0.1664	0.77562	0.59731	2.45127	0.56764	0.2136	0.1664	1.96E+00	7.08E-03	1.86E-06	1.45E-02	5.29E-01	3.67E-02	3.49E-02	2.61E-02	2.55E+00
284	488667.32	3857909.41	0.39231	0.16176	0.75043	0.56834	2.39929	0.54708	0.208	0.16176	1.88E+00	6.88E-03	1.80E-06	1.38E-02	5.17E-01	3.54E-02	3.39E-02	2.53E-02	2.46E+00
285	488717.32	3857909.41	0.38352	0.16148	0.73025	0.54662	2.34973	0.52811	0.2021	0.16148	1.84E+00	6.87E-03	1.75E-06	1.32E-02	5.07E-01	3.42E-02	3.30E-02	2.53E-02	2.41E+00
286	488767.32	3857909.41	0.37738	0.15887	0.69266	0.52674	2.26016	0.50633	0.1976	0.15887	1.81E+00	6.76E-03	1.66E-06	1.28E-02	4.87E-01	3.28E-02	3.22E-02	2.49E-02	2.36E+00
287	488417.32	3857959.41	0.49227	0.18757	0.94148	0.91128	2.44811	0.75953	0.2657	0.18757	2.36E+00	7.98E-03	2.26E-06	2.21E-02	5.28E-01	4.91E-02	4.34E-02	2.94E-02	2.98E+00
288	488467.32	3857959.41	0.47563	0.18521	0.87561	0.81312	2.4531	0.7099	0.2534	0.18521	2.28E+00	7.88E-03	2.10E-06	1.97E-02	5.29E-01	4.59E-02	4.14E-02	2.90E-02	2.90E+00
289	488517.32	3857959.41	0.46091	0.18316	0.81451	0.73909	2.37229	0.66768	0.2413	0.18316	2.21E+00	7.79E-03	1.95E-06	1.79E-02	5.12E-01	4.32E-02	3.94E-02	2.87E-02	2.80E+00
290	488567.32	3857959.41	0.43451	0.17869	0.77141	0.68196	2.38169	0.62429	0.2299	0.17869	2.09E+00	7.60E-03	1.85E-06	1.65E-02	5.14E-01	4.04E-02	3.75E-02	2.80E-02	2.67E+00
291	488617.32	3857959.41	0.42047	0.17517	0.73204	0.63817	2.24991	0.5949	0.2218	0.17517	2.02E+00	7.45E-03	1.76E-06	1.55E-02	4.85E-01	3.85E-02	3.62E-02	2.74E-02	2.57E+00
292	488667.32	3857959.41	0.41103	0.1722	0.69439	0.60306	2.28351	0.56971	0.2137	0.1722	1.97E+00	7.33E-03	1.67E-06	1.46E-02	4.92E-01	3.69E-02	3.49E-02	2.70E-02	2.53E+00
293	488717.32	3857959.41	0.4025	0.16868	0.6593	0.57386	2.22863	0.54695	0.2083	0.16868	1.93E+00	7.18E-03	1.58E-06	1.39E-02	4.81E-01	3.54E-02	3.40E-02	2.64E-02	2.48E+00
294	488767.32	3857959.41	0.39161	0.16611	0.62557	0.55018	2.18833	0.52686	0.2032	0.16611	1.88E+00	7.07E-03	1.50E-06	1.33E-02	4.72E-01	3.41E-02	3.32E-02	2.60E-02	2.41E+00
295	488417.32	3858009.41	0.51732	0.19544	0.84083	1.05561	2.23597	0.80395	0.2816	0.19544	2.48E+00	8.32E-03	2.02E-06	2.56E-02	4.82E-01	5.20E-02	4.60E-02	3.06E-02	3.07E+00
296	488467.32	3858009.41	0.49827	0.19376	0.80722	0.92353	2.16981	0.7578	0.2718	0.19376	2.39E+00	8.24E-03	1.94E-06	2.24E-02	4.68E-01	4.90E-02	4.44E-02	3.04E-02	2.95E+00
297	488517.32	3858009.41	0.48168	0.19155	0.74495	0.82206	2.16468	0.70239	0.2591	0.19155	2.31E+00	8.15E-03	1.79E-06	1.99E-02	4.67E-01	4.54E-02	4.23E-02	3.00E-02	2.86E+00
298	488567.32	3858009.41	0.45807	0.18934	0.68977	0.74586	2.24609	0.6662	0.2415	0.18934	2.20E+00	8.06E-03	1.65E-06	1.81E-02	4.84E-01	4.31E-02	3.94E-02	2.97E-02	2.76E+00
299	488617.32	3858009.41	0.43465	0.18573	0.64433	0.68982	2.15098	0.63124	0.2316	0.18573	2.09E+00	7.90E-03	1.55E-06	1.67E-02	4.64E-01	4.08E-02	3.78E-02	2.91E-02	2.62E+00
300	488667.32	3858009.41	0.42473	0.18231	0.6164	0.64537	2.06694	0.58747	0.2226	0.18231	2.04E+00	7.76E-03	1.48E-06	1.56E-02	4.46E-01	3.80E-02	3.63E-02	2.86E-02	2.55E+00
301	488717.32	3858009.41	0.41608	0.17941	0.60348	0.60924	2.08467	0.56002	0.2152	0.17941	2.00E+00	7.63E-03	1.45E-06	1.48E-02	4.50E-01	3.62E-02	3.51E-02	2.81E-02	2.51E+00
302	488767.32	3858009.41	0.40885	0.17657	0.59162	0.5798	2.08614	0.53807	0.209	0.17657	1.96E+00	7.51E-03	1.42E-06	1.40E-02	4.50E-01	3.48E-02	3.41E-02	2.77E-02	2.47E+00
303	488417.32	3858059.41	0.55025	0.20436	0.80907	1.24885	2.25864	0.91427	0.3002	0.20436	2.64E+00	8.70E-03	1.94E-06	3.03E-02	4.87E-01	5.92E-02	4.90E-02	3.20E-02	3.24E+00
304	488467.32	3858059.41	0.52399	0.20245	0.78126	1.0514	2.07881	0.80727	0.2838	0.20245	2.51E+00	8.61E-03	1.87E-06	2.55E-02	4.48E-01	5.22E-02	4.63E-02	3.17E-02	3.06E+00
305	488517.32	3858059.41	0.50506	0.1999	0.75524	0.92282	2.02676	0.74268	0.2685	0.1999	2.42E+00	8.51E-03	1.81E-06	2.24E-02	4.37E-01	4.81E-02	4.38E-02	3.13E-02	2.95E+00
306	488567.32	3858059.41	0.48528	0.1975	0.73321	0.83014	1.97016	0.70247	0.2556	0.1975	2.33E+00	8.40E-03	1.76E-06	2.01E-02	4.25E-01	4.55E-02	4.17E-02	3.09E-02	2.84E+00
307	488617.32	3858059.41	0.45165	0.19449	0.72104	0.75537	2.00438	0.66998	0.2439	0.19449	2.17E+00	8.28E-03	1.73E-06	1.83E-02	4.32E-01	4.33E-02	3.98E-02	3.05E-02	2.68E+00
308	488667.32	3858059.41	0.4401	0.19058	0.71033	0.69838	2.05844	0.63915	0.2337	0.19058	2.11E+00	8.11E-03	1.70E-06	1.69E-02	4.44E-01	4.14E-02	3.81E-02	2.99E-02	2.63E+00
309	488417.32	3858109.41	0.59488	0.22513	0.76111	1.62548	2.22512	1.04226	0.3257	0.22513	2.85E+00	9.58E-03	1.83E-06	3.94E-02	4.80E-01	6.74E-02	5.32E-02	3.53E-02	3.47E+00
310	488467.32	3858109.41	0.55877	0.21647	0.74308	1.26254	2.08234	0.92297	0.3043	0.21647	2.68E+00	9.21E-03	1.78E-06	3.06E-02	4.49E-01	5.97E-02	4.97E-02	3.39E-02	3.25E+00
311	488517.32	3858109.41	0.53255	0.20949	0.72301	1.05547	1.96044	0.82551	0.288	0.20949	2.56E+00	8.91E-03	1.73E-06	2.56E-02	4.23E-01	5.34E-02	4.70E-02	3.28E-02	3.08E+00
312	488567.32	3858109.41	0.51392	0.20539	0.69454	0.9257	1.89886	0.7487	0.2715	0.20539	2.47E+00	8.74E-03	1.67E-06	2.24E-02	4.10E-01	4.84E-02	4.43E-02	3.22E-02	2.97E+00
313	488617.32	3858109.41	0.4813	0.20268	0.66718	0.83191	1.75435	0.7094	0.257	0.20268	2.31E+00	8.62E-03	1.60E-06	2.02E-02	3.78E-01	4.59E-02	4.19E-02	3.18E-02	2.77E+00
314	488667.32	3858109.41	0.461	0.19817	0.63838	0.76838	1.91411	0.67873	0.245	0.19817	2.21E+00	8.43E-03	1.53E-06	1.86E-02	4.13E-01	4.39E-02	4.00E-02	3.10E-02	2.71E+00
315	488769.93	3858449.27	0.54834	0.28866	0.58427	1.99661	1.49133	1.12781	0.3472	0.28866	2.63E+00	1.23E-02	1.40E-06	4.84E-02	3.22E-01	7.30E-02	5.67E-02	4.52E-02	3.10E+00
316	488819.93	3858449.27	0.51736	0.27338	0.56649	1.59264	1.36702	1.01266	0.3235	0.27338	2.48E+00	1.16E-02	1.36E-06	3.86E-02	2.95E-01	6.55E-02	5.28E-02	4.28E-02	2.90E+00
317	488819.93	3858499.27	0.53935	0.29829	0.48382	2.08772	1.41685	1.1569	0.3482	0.29829	2.59E+00	1.27E-02	1.16E-06	5.06E-02	3.06E-01	7.49E-02	5.68E-02	4.67E-02	3.04E+00
318	488869.93	3858499.27	0.51763	0.28621	0.49036	1.75975	1.27053	1.01572	0.3268	0.28621	2.48E+00	1.22E-02	1.18E-06	4.26E-02	2.74E-01	6.57E-02	5.33E-02	4.48E-02	2.89E+00
319	488869.93	3858549.27	0.55962	0.31116	0.48789	2.24834	1.34771	1.18691	0.3512	0.31116	2.69E+00	1.32E-02	1.17E-06	5.45E-02	2.91E-01	7.68E-02	5.73E-02	4.87E-02	3.13E+00
320	489438.17	3859571.48	0.34818	0.38248	1.12279	0.68292	0.70563	0.39687	0.3913	0.38248	1.67E+00	1.63E-02	2.69E-06	1.65E-02	1.52E-01	2.57E-02	6.39E-02	5.99E-02	1.89E+00
321	489488.17	3859571.48	0.34021	0.41671	1.03787	0.67377	0.71593	0.41415	0.4192	0.41671	1.63E+00	1.77E-02	2.49E-06	1.63E-02	1.54E-01	2.68E-02	6.84E-02	6.53E-02	1.85E+00
322	489538.17	3859571.48	0.33359	0.44694	1.07602	0.67995	0.70955	0.44312	0.4514	0.44694	1.60E+00	1.90E-02	2.58E-06	1.65E-02	1.53E-01	2.87E-02	7.37E-02	7.00E-02	1.82E+00
323	489588.17	3859571.48	0.32745	0.47442	1.17039	0.66949	0.75075	0.42985	0.5201	0.47442	1.57E+00	2.02E-02	2.81E-06	1.62E-02	1.62E-01	2.78E-02	8.49E-02	7.43E-02	1.81E+00
324	489438.17	3859621.48	0.3617	0.33565	0.83886	0.66218	0.66494	0.41067	0.3418	0.33565	1.74E+00	1.43E-02	2.01E-06	1.60E-02	1.43E-01	2.66E-02	5.58E-02	5.26E-02	1.94E+00
325	489488.17	3859621.48	0.35067	0.35781	0.86455	0.62709	0.69239	0.39601	0.3599	0.35781	1.68E+00	1.52E-02	2.07E-06	1.52E-02	1.49E-01	2.56E-02	5.87E-02	5.61E-02	1.89E+00
326	489538.17	3859621.48	0.34141	0.38214	0.94726	0.6192	0.69845	0.40727	0.3906	0.38214	1.64E+00	1.63E-02	2.27E-06	1.50E-02	1.51E-01	2.64E-02	6.38E-02	5.99E-02	1.85E+00
327	489588.17	3859621.48	0.33367	0.41635	0.95185	0.61133	0.70241	0.39797	0.426	0.41635	1.60E+00	1.77E-02	2.28E-06	1.48E-02	1.51E-01	2.57E-02	6.95E-02	6.52E-02	1.82E+00
328	489238.17	3859671.48	0.4625	0.26305	0.69313	1.63292	0.60361	0.43564	0.2709	0.26305	2.22E+00	1.12E-02	1.66E-06	3.96E-02	1.30E-01	2.82E-02	4.42E-02	4.12E-02	2.43E+00
329	489288.17	3859671.48	0.41522	0.27232	0.65812	0.98093	0.58951	0.44959	0.2793	0.27232	1.99E+00	1.16E-02	1.58E-06	2.38E-02	1.27E-01	2.91E-02	4.56E-02	4.27E-02	2.19E+00
330	489338.17	3859671.48	0.38932	0.28053	0.60528	0.77209	0.67559	0.46487	0.2886	0.28053	1.87E+00	1.19E-02	1.45E-06	1.87E-02	1.46E-01	3.01E-02	4.71E-02	4.39E-02	2.08E+00
331	489388.17	3859671.48	0.36729	0.28787	0.59978	0.67014	0.65421	0.45956	0.301	0.28787	1.76E+00	1.22E-02	1.44E-06	1.62E-02	1.41E-01	2.97E-02	4.91E-02	4.51E-02	1.97E+00
332	489438.17	3859671.48	0.35687	0.29536	0.7306	0.64147	0.63077	0.43357	0.3129	0.29536	1.71E+00	1.26E-02	1.75E-06	1.55E-02	1.36E-01	2.81E-02	5.11E-02	4.63E-02	1.91E+00
333	489488.17	3859671.48	0.35304	0.31692	0.88397	0.61226	0.66228	0.42124	0.3301	0.31692	1.69E+00	1.35E-02	2.12E-06	1.48E-02	1.43E-01	2.73E-02	5.39E-02	4.96E-02	1.90E+00
334	489538.17	3859671.48	0.34389	0.34435	0.82631	0.59433	0.68249	0.39403	0.3479	0.34435	1.65E+00	1.47E-02	1.98E-06	1.44E-02	1.47E-01	2.55E-02	5.68E-02	5.39E-02	1.85E+00
335	489588.17	3859671.48	0.33589	0.36647	1.07595	0.58327	0.68553	0.41324	0.3819	0.36647	1.61E+00	1.56E-02	2.58E-06	1.41E-02	1.48E-01	2.67E-02	6.23E-02	5.74E-02	1.82E+00
336	489238.17	3859721.48	0.43634	0.255	0.49209	1.62505	0.54353	0.42695	0.2549	0.255	2.09E+00	1.08E-02	1.18E-06	3.94E-02	1.17E-01	2.76E-02	4.16E-02	3.99E-02	2.29E+00
337	489288.17	3859721.48	0.40831	0.25798	0.46227	0.97	0.55836	0.43649	0.2641	0.25798	1.96E+00	1.10E-02	1.11E-06	2.35E-02	1.20E-01	2.82E-02	4.31E-02	4.04E-02	2.15E+00
338	489338.17	3859721.48	0.38497	0.26637	0.51266	0.76099	0.60529	0.44629	0.2719	0.26637	1.85E+00	1.13E-02	1.23E-06	1.84E-02	1.31E-01	2.89E-02	4.44E-02	4.17E-02	2.04E+00

339	489388.17	3859721.48	0.36781	0.27433	0.77987	0.66839	0.68658	0.45653	0.2805	0.27433	1.77E+00	1.17E-02	1.87E-06	1.62E-02	1.48E-01	2.95E-02	4.58E-02	4.30E-02	1.97E+00
340	489438.17	3859721.48	0.35544	0.28005	0.76276	0.62264	0.61003	0.4612	0.2904	0.28005	1.71E+00	1.19E-02	1.83E-06	1.51E-02	1.32E-01	2.98E-02	4.74E-02	4.39E-02	1.90E+00
341	489488.17	3859721.48	0.34595	0.28802	0.92537	0.59171	0.6296	0.43112	0.3051	0.28802	1.66E+00	1.23E-02	2.22E-06	1.43E-02	1.36E-01	2.79E-02	4.98E-02	4.51E-02	1.86E+00
342	489538.17	3859721.48	0.33754	0.29777	0.97581	0.57146	0.65835	0.40828	0.3204	0.29777	1.62E+00	1.27E-02	2.34E-06	1.38E-02	1.42E-01	2.64E-02	5.23E-02	4.66E-02	1.82E+00
343	489588.17	3859721.48	0.33004	0.32357	1.04634	0.55167	0.67257	0.39286	0.3372	0.32357	1.58E+00	1.38E-02	2.51E-06	1.34E-02	1.45E-01	2.54E-02	5.50E-02	5.07E-02	1.79E+00
344	489238.17	3859771.48	0.42148	0.24521	0.50139	1.6138	0.46746	0.41666	0.2414	0.24521	2.02E+00	1.04E-02	1.20E-06	3.91E-02	1.01E-01	2.70E-02	3.94E-02	3.84E-02	2.20E+00
345	489288.17	3859771.48	0.40054	0.24989	0.57316	0.95169	0.56844	0.41897	0.2495	0.24989	1.92E+00	1.06E-02	1.37E-06	2.31E-02	1.23E-01	2.71E-02	4.07E-02	3.91E-02	2.11E+00
346	489338.17	3859771.48	0.37722	0.25451	0.69783	0.74294	0.5338	0.42109	0.2557	0.25451	1.81E+00	1.08E-02	1.67E-06	1.80E-02	1.15E-01	2.72E-02	4.17E-02	3.99E-02	1.98E+00
347	489388.17	3859771.48	0.36058	0.25898	0.65433	0.65259	0.61734	0.44793	0.2633	0.25898	1.73E+00	1.10E-02	1.57E-06	1.58E-02	1.33E-01	2.90E-02	4.30E-02	4.06E-02	1.92E+00
348	489438.17	3859771.48	0.34744	0.26792	0.80815	0.60597	0.6449	0.45998	0.2711	0.26792	1.67E+00	1.14E-02	1.94E-06	1.47E-02	1.39E-01	2.98E-02	4.42E-02	4.20E-02	1.86E+00
349	489488.17	3859771.48	0.33468	0.27454	0.90586	0.56623	0.58971	0.44971	0.2844	0.27454	1.61E+00	1.17E-02	2.17E-06	1.37E-02	1.27E-01	2.91E-02	4.64E-02	4.30E-02	1.79E+00
350	489538.17	3859771.48	0.32216	0.28141	0.96923	0.55044	0.61568	0.42341	0.2982	0.28141	1.55E+00	1.20E-02	2.32E-06	1.33E-02	1.33E-01	2.74E-02	4.87E-02	4.41E-02	1.74E+00
351	489588.17	3859771.48	0.31568	0.28865	0.91607	0.52365	0.65143	0.39657	0.3113	0.28865	1.51E+00	1.23E-02	2.20E-06	1.27E-02	1.40E-01	2.57E-02	5.08E-02	4.52E-02	1.71E+00
352	489238.17	3859821.48	0.39868	0.23021	0.59997	1.60761	0.4769	0.35038	0.2291	0.23021	1.91E+00	9.80E-03	1.44E-06	3.89E-02	1.03E-01	2.27E-02	3.74E-02	3.61E-02	2.09E+00
353	489288.17	3859821.48	0.4006	0.23675	0.58332	0.9486	0.47828	0.38098	0.2365	0.23675	1.92E+00	1.01E-02	1.40E-06	2.30E-02	1.03E-01	2.47E-02	3.86E-02	3.71E-02	2.08E+00
354	489338.17	3859821.48	0.38297	0.24314	0.52047	0.72241	0.54372	0.40542	0.2423	0.24314	1.84E+00	1.03E-02	1.25E-06	1.75E-02	1.17E-01	2.62E-02	3.96E-02	3.81E-02	2.01E+00
355	489388.17	3859821.48	0.36669	0.24879	0.70767	0.63163	0.54874	0.39298	0.2487	0.24879	1.76E+00	1.06E-02	1.70E-06	1.53E-02	1.18E-01	2.54E-02	4.06E-02	3.90E-02	1.93E+00
356	489438.17	3859821.48	0.34911	0.25407	0.75124	0.5692	0.63067	0.41832	0.2576	0.25407	1.68E+00	1.08E-02	1.80E-06	1.38E-02	1.36E-01	2.71E-02	4.20E-02	3.98E-02	1.87E+00
357	489488.17	3859821.48	0.33588	0.26428	0.87938	0.55227	0.60987	0.44881	0.2677	0.26428	1.61E+00	1.12E-02	2.11E-06	1.34E-02	1.32E-01	2.90E-02	4.37E-02	4.14E-02	1.80E+00
358	489538.17	3859821.48	0.32632	0.26979	1.16798	0.51024	0.59228	0.44081	0.2793	0.26979	1.57E+00	1.15E-02	2.80E-06	1.24E-02	1.28E-01	2.85E-02	4.56E-02	4.23E-02	1.75E+00
359	489588.17	3859821.48	0.31881	0.27504	0.70167	0.51314	0.61759	0.41506	0.2908	0.27504	1.53E+00	1.17E-02	1.68E-06	1.24E-02	1.33E-01	2.69E-02	4.75E-02	4.31E-02	1.72E+00
360	489238.17	3859871.48	0.40036	0.2184	0.53002	1.5984	0.48394	0.34465	0.2163	0.2184	1.92E+00	9.29E-03	1.27E-06	3.87E-02	1.04E-01	2.23E-02	3.53E-02	3.42E-02	2.10E+00
361	489288.17	3859871.48	0.38529	0.22187	0.51813	0.94365	0.45195	0.34488	0.2247	0.22187	1.85E+00	9.44E-03	1.24E-06	2.29E-02	9.75E-02	2.23E-02	3.67E-02	3.48E-02	2.00E+00
362	489338.17	3859871.48	0.37923	0.22619	0.6771	0.72059	0.49973	0.34762	0.2305	0.22619	1.82E+00	9.62E-03	1.62E-06	1.75E-02	1.08E-01	2.25E-02	3.76E-02	3.54E-02	1.98E+00
363	489388.17	3859871.48	0.37757	0.23336	0.61263	0.61899	0.50253	0.37801	0.2372	0.23336	1.81E+00	9.93E-03	1.47E-06	1.50E-02	1.08E-01	2.45E-02	3.87E-02	3.66E-02	1.97E+00
364	489438.17	3859871.48	0.35965	0.24191	0.87453	0.55648	0.56778	0.39839	0.2457	0.24191	1.73E+00	1.03E-02	2.10E-06	1.35E-02	1.22E-01	2.58E-02	4.01E-02	3.79E-02	1.90E+00
365	489488.17	3859871.48	0.3452	0.25228	1.02707	0.49668	0.6496	0.40265	0.2554	0.25228	1.66E+00	1.07E-02	2.46E-06	1.20E-02	1.40E-01	2.61E-02	4.17E-02	3.95E-02	1.85E+00
366	489538.17	3859871.48	0.33264	0.26118	0.96544	0.47857	0.57501	0.43633	0.2638	0.26118	1.60E+00	1.11E-02	2.32E-06	1.16E-02	1.24E-01	2.82E-02	4.31E-02	4.09E-02	1.77E+00
367	489588.17	3859871.48	0.32358	0.26607	0.85165	0.45139	0.59361	0.4268	0.274	0.26607	1.55E+00	1.13E-02	2.04E-06	1.09E-02	1.28E-01	2.76E-02	4.47E-02	4.17E-02	1.73E+00
368	489238.17	3859921.48	0.41272	0.21172	0.47949	1.57447	0.4888	0.31718	0.2001	0.21172	1.98E+00	9.01E-03	1.15E-06	3.81E-02	1.05E-01	2.05E-02	3.27E-02	3.32E-02	2.15E+00
369	489288.17	3859921.48	0.39652	0.21505	0.54811	0.92701	0.46329	0.34187	0.2075	0.21505	1.90E+00	9.15E-03	1.31E-06	2.25E-02	9.99E-02	2.21E-02	3.39E-02	3.37E-02	2.06E+00
370	489338.17	3859921.48	0.38263	0.21839	0.50991	0.70434	0.42829	0.34685	0.2187	0.21839	1.84E+00	9.29E-03	1.22E-06	1.71E-02	9.24E-02	2.24E-02	3.57E-02	3.42E-02	1.98E+00
371	489388.17	3859921.48	0.37335	0.22293	0.82762	0.59966	0.52718	0.34201	0.2283	0.22293	1.79E+00	9.49E-03	1.98E-06	1.45E-02	1.14E-01	2.21E-02	3.73E-02	3.49E-02	1.95E+00
372	489438.17	3859921.48	0.3642	0.23154	0.9077	0.5325	0.50736	0.34103	0.2358	0.23154	1.75E+00	9.85E-03	2.18E-06	1.29E-02	1.09E-01	2.21E-02	3.85E-02	3.63E-02	1.90E+00
373	489488.17	3859921.48	0.35472	0.23913	0.99308	0.4868	0.58751	0.37002	0.2425	0.23913	1.70E+00	1.02E-02	2.38E-06	1.18E-02	1.27E-01	2.39E-02	3.96E-02	3.75E-02	1.88E+00
374	489538.17	3859921.48	0.34095	0.24703	0.78323	0.44997	0.614	0.40434	0.25	0.24703	1.64E+00	1.05E-02	1.88E-06	1.09E-02	1.32E-01	2.62E-02	4.08E-02	3.87E-02	1.82E+00
375	489588.17	3859921.48	0.33053	0.25458	0.55758	0.41715	0.55934	0.39654	0.2577	0.25458	1.59E+00	1.08E-02	1.34E-06	1.01E-02	1.21E-01	2.57E-02	4.21E-02	3.99E-02	1.76E+00
376	489238.17	3859971.48	0.42035	0.20322	0.50742	1.54931	0.49111	0.31532	0.1975	0.20322	2.02E+00	8.65E-03	1.22E-06	3.75E-02	1.06E-01	2.04E-02	3.22E-02	3.18E-02	2.19E+00
377	489288.17	3859971.48	0.39895	0.20439	0.50673	0.91586	0.47027	0.31895	0.2023	0.20439	1.91E+00	8.70E-03	1.22E-06	2.22E-02	1.01E-01	2.06E-02	3.30E-02	3.20E-02	2.07E+00
378	489338.17	3859971.48	0.39699	0.20723	0.68921	0.69098	0.44117	0.32481	0.2064	0.20723	1.91E+00	8.82E-03	1.65E-06	1.67E-02	9.51E-02	2.10E-02	3.37E-02	3.25E-02	2.05E+00
379	489388.17	3859971.48	0.38786	0.21523	0.7631	0.57514	0.44909	0.33608	0.2086	0.21523	1.86E+00	9.16E-03	1.83E-06	1.39E-02	9.69E-02	2.17E-02	3.40E-02	3.37E-02	2.00E+00
380	489438.17	3859971.48	0.36027	0.22046	0.94405	0.49323	0.50362	0.32049	0.2183	0.22046	1.73E+00	9.38E-03	2.26E-06	1.19E-02	1.09E-01	2.07E-02	3.56E-02	3.45E-02	1.88E+00
381	489488.17	3859971.48	0.34986	0.22234	0.89865	0.42189	0.53418	0.33506	0.2185	0.22234	1.68E+00	9.46E-03	2.16E-06	1.02E-02	1.15E-01	2.17E-02	3.57E-02	3.48E-02	1.84E+00
382	489538.17	3859971.48	0.35143	0.22851	0.71504	0.39374	0.61547	0.3413	0.2311	0.22851	1.69E+00	9.72E-03	1.71E-06	9.54E-03	1.33E-01	2.21E-02	3.77E-02	3.58E-02	1.86E+00
383	489588.17	3859971.48	0.34245	0.23171	0.40385	0.37725	0.59467	0.34442	0.235	0.23171	1.64E+00	9.86E-03	9.69E-07	9.14E-03	1.28E-01	2.23E-02	3.84E-02	3.63E-02	1.81E+00
384	483577.7	3854071	0.37563	0.17847	0.08912	0.71737	0.10559	0.48108	0.2991	0.17847	1.80E+00	7.59E-03	2.14E-07	1.74E-02	2.28E-02	3.11E-02	4.88E-02	2.80E-02	1.90E+00
385	483627.7	3854071	0.3625	0.16917	0.11429	0.63874	0.11318	0.43654	0.282	0.16917	1.74E+00	7.20E-03	2.74E-07	1.55E-02	2.44E-02	2.82E-02	4.60E-02	2.65E-02	1.83E+00
386	483677.7	3854071	0.35778	0.1823	0.09955	0.56964	0.12038	0.38496	0.2665	0.1823	1.72E+00	7.76E-03	2.39E-07	1.38E-02	2.60E-02	2.49E-02	4.35E-02	2.86E-02	1.80E+00
387	483727.7	3854071	0.35729	0.19048	0.08469	0.51205	0.11412	0.34932	0.2539	0.19048	1.71E+00	8.10E-03	2.03E-07	1.24E-02	2.46E-02	2.26E-02	4.14E-02	2.98E-02	1.79E+00
388	483777.7	3854071	0.36161	0.18116	0.1026	0.45298	0.11728	0.31115	0.2392	0.18116	1.74E+00	7.71E-03	2.46E-07	1.10E-02	2.53E-02	2.01E-02	3.90E-02	2.84E-02	1.81E+00
389	483577.7	3854121	0.39998	0.18849	0.09817	0.86085	0.09773	0.55131	0.3568	0.18849	1.92E+00	8.02E-03	2.35E-07	2.09E-02	2.11E-02	3.57E-02	5.82E-02	2.95E-02	2.03E+00
390	483627.7	3854121	0.38117	0.16915	0.09429	0.72897	0.10572	0.48494	0.3223	0.16915	1.83E+00	7.20E-03	2.26E-07	1.77E-02	2.28E-02	3.14E-02	5.26E-02	2.65E-02	1.93E+00
391	483677.7	3854121	0.37219	0.15695	0.09912	0.6439	0.11356	0.42279	0.29	0.15695	1.79E+00	6.68E-03	2.38E-07	1.56E-02	2.45E-02	2.74E-02	4.73E-02	2.46E-02	1.88E+00
392	483727.7	3854121	0.37028	0.17082	0.07835	0.54784	0.12106	0.36518	0.2644	0.17082	1.78E+00	7.27E-03	1.88E-07	1.33E-02	2.61E-02	2.36E-02	4.32E-02	2.68E-02	1.86E+00
393	483777.7	3854121	0.37132	0.16922	0.10607	0.49455	0.12328	0.33424	0.2495	0.16922	1.78E+00	7.20E-03	2.54E-07	1.20E-02	2.66E-02	2.16E-02	4.07E-02	2.65E-02	1.86E+00
394	483577.7	3854171	0.42942	0.18508	0.12091	1.15178	0.08944	0.65146	0.3921	0.18508	2.06E+00	7.87E-03	2.90E-07	2.79E-02	1.93E-02	4.22E-02	6.40E-02	2.90E-02	2.19E+00
395	483627.7	3854171	0.40748	0.17939	0.11132	0.89119	0.09752	0.53118	0.3562	0.17939	1.96E+00	7.63E-03	2.67E-07	2.16E-02	2.10E-02	3.44E-02	5.81E-02	2.81E-02	2.07E+00

396	483677.7	3854171	0.39252	0.16103	0.09117	0.74852	0.10572	0.46315	0.3302	0.16103	1.88E+00	6.85E-03	2.19E-07	1.81E-02	2.28E-02	3.00E-02	5.39E-02	2.52E-02	1.99E+00
397	483727.7	3854171	0.3847	0.14547	0.08605	0.64974	0.11739	0.41265	0.3	0.14547	1.85E+00	6.19E-03	2.06E-07	1.57E-02	2.53E-02	2.67E-02	4.90E-02	2.28E-02	1.95E+00
398	483777.7	3854171	0.38325	0.15834	0.10022	0.56688	0.12764	0.3589	0.2659	0.15834	1.84E+00	6.74E-03	2.40E-07	1.37E-02	2.75E-02	2.32E-02	4.34E-02	2.48E-02	1.93E+00
399	483827.7	3854171	0.38034	0.1513	0.15879	0.5006	0.12714	0.31984	0.2536	0.1513	1.83E+00	6.44E-03	3.81E-07	1.21E-02	2.74E-02	2.07E-02	4.14E-02	2.37E-02	1.91E+00
400	483877.7	3854171	0.37431	0.15801	0.1986	0.44586	0.13254	0.29094	0.2407	0.15801	1.80E+00	6.72E-03	4.76E-07	1.08E-02	2.86E-02	1.88E-02	3.93E-02	2.48E-02	1.88E+00
401	483727.7	3854221	0.40305	0.15279	0.10805	0.79883	0.10728	0.45404	0.3252	0.15279	1.93E+00	6.50E-03	2.59E-07	1.94E-02	2.31E-02	2.94E-02	5.31E-02	2.39E-02	2.04E+00
402	483777.7	3854221	0.39769	0.13564	0.13777	0.68186	0.11796	0.39273	0.2954	0.13564	1.91E+00	5.77E-03	3.30E-07	1.65E-02	2.54E-02	2.54E-02	4.82E-02	2.12E-02	2.01E+00
403	483827.7	3854221	0.3897	0.14745	0.2125	0.61527	0.12855	0.36139	0.2767	0.14745	1.87E+00	6.27E-03	5.10E-07	1.49E-02	2.77E-02	2.34E-02	4.52E-02	2.31E-02	1.96E+00
404	483877.7	3854221	0.38485	0.14493	0.18274	0.5402	0.129	0.32499	0.2571	0.14493	1.85E+00	6.17E-03	4.38E-07	1.31E-02	2.78E-02	2.10E-02	4.20E-02	2.27E-02	1.93E+00
405	489150.19	3858726.45	0.44754	0.33277	0.38203	2.22713	0.97019	0.90587	0.3266	0.33277	2.15E+00	1.42E-02	9.16E-07	5.40E-02	2.09E-01	5.86E-02	5.33E-02	5.21E-02	2.48E+00
406	489200.19	3858726.45	0.4412	0.31923	0.41173	3.66153	1.03904	0.80935	0.3056	0.31923	2.12E+00	1.36E-02	9.87E-07	8.87E-02	2.24E-01	5.24E-02	4.99E-02	5.00E-02	2.50E+00
407	489150.19	3858776.45	0.4578	0.36439	0.42939	2.52119	0.94565	1.02515	0.3584	0.36439	2.20E+00	1.55E-02	1.03E-06	6.11E-02	2.04E-01	6.63E-02	5.85E-02	5.71E-02	2.55E+00
408	489200.19	3858776.45	0.44411	0.34697	0.41337	3.76127	0.92687	0.87254	0.3323	0.34697	2.13E+00	1.48E-02	9.91E-07	9.11E-02	2.00E-01	5.65E-02	5.42E-02	5.44E-02	2.49E+00
409	488919.6	3856400.76	0.23683	0.08273	0.26229	0.19579	1.91689	0.15295	0.1109	0.08273	1.14E+00	3.52E-03	6.29E-07	4.74E-03	4.13E-01	9.90E-03	1.81E-02	1.30E-02	1.57E+00
410	488919.6	3856450.76	0.23734	0.08575	0.25773	0.19682	2.05374	0.15535	0.1113	0.08575	1.14E+00	3.65E-03	6.18E-07	4.77E-03	4.43E-01	1.01E-02	1.82E-02	1.34E-02	1.61E+00
411	488969.6	3856450.76	0.23489	0.08479	0.23159	0.19555	1.98056	0.15381	0.1102	0.08479	1.13E+00	3.61E-03	5.55E-07	4.74E-03	4.27E-01	9.95E-03	1.80E-02	1.33E-02	1.58E+00
412	488919.6	3856500.76	0.23304	0.08853	0.23955	0.19866	2.05542	0.15788	0.1122	0.08853	1.12E+00	3.77E-03	5.75E-07	4.81E-03	4.43E-01	1.02E-02	1.83E-02	1.39E-02	1.58E+00
413	488969.6	3856500.76	0.23091	0.08792	0.21686	0.1963	1.95786	0.15662	0.1103	0.08792	1.11E+00	3.74E-03	5.20E-07	4.76E-03	4.22E-01	1.01E-02	1.80E-02	1.38E-02	1.55E+00
414	488919.6	3856550.76	0.23334	0.09116	0.20957	0.19833	2.11415	0.16082	0.1108	0.09116	1.12E+00	3.88E-03	5.03E-07	4.80E-03	4.56E-01	1.04E-02	1.81E-02	1.43E-02	1.60E+00
415	488969.6	3856550.76	0.23168	0.09038	0.19814	0.19692	2.08037	0.15921	0.1109	0.09038	1.11E+00	3.85E-03	4.75E-07	4.77E-03	4.49E-01	1.03E-02	1.81E-02	1.42E-02	1.58E+00
416	488819.6	3856600.76	0.24243	0.09568	0.21705	0.20282	2.2341	0.16709	0.1114	0.09568	1.16E+00	4.07E-03	5.21E-07	4.91E-03	4.82E-01	1.08E-02	1.82E-02	1.50E-02	1.67E+00
417	488869.6	3856600.76	0.23993	0.09417	0.2173	0.19993	2.18836	0.16473	0.1108	0.09417	1.15E+00	4.01E-03	5.21E-07	4.84E-03	4.72E-01	1.07E-02	1.81E-02	1.48E-02	1.65E+00
418	488919.6	3856600.76	0.23731	0.09342	0.2132	0.20031	2.14469	0.16337	0.1102	0.09342	1.14E+00	3.97E-03	5.11E-07	4.85E-03	4.63E-01	1.06E-02	1.80E-02	1.46E-02	1.62E+00
419	488819.6	3856650.76	0.24632	0.09707	0.21697	0.20593	2.37747	0.16934	0.1123	0.09707	1.18E+00	4.13E-03	5.20E-07	4.99E-03	5.13E-01	1.10E-02	1.83E-02	1.52E-02	1.72E+00
420	488869.6	3856650.76	0.24383	0.09633	0.20138	0.20288	2.38987	0.16725	0.1098	0.09633	1.17E+00	4.10E-03	4.83E-07	4.92E-03	5.15E-01	1.08E-02	1.79E-02	1.51E-02	1.71E+00
421	488819.6	3856700.76	0.25001	0.09971	0.21665	0.20906	2.67142	0.1725	0.1141	0.09971	1.20E+00	4.24E-03	5.20E-07	5.06E-03	5.76E-01	1.12E-02	1.86E-02	1.56E-02	1.80E+00
422	488869.6	3856700.76	0.24755	0.0988	0.21528	0.20595	2.63727	0.1728	0.1125	0.0988	1.19E+00	4.20E-03	5.16E-07	4.99E-03	5.69E-01	1.12E-02	1.84E-02	1.55E-02	1.78E+00
423	488819.6	3856750.76	0.25375	0.09916	0.21388	0.21222	2.77684	0.17664	0.1141	0.09916	1.22E+00	4.22E-03	5.13E-07	5.14E-03	5.99E-01	1.14E-02	1.86E-02	1.55E-02	1.84E+00
424	488869.6	3856750.76	0.25103	0.09948	0.20898	0.20937	2.71144	0.17592	0.1136	0.09948	1.20E+00	4.23E-03	5.01E-07	5.07E-03	5.85E-01	1.14E-02	1.85E-02	1.56E-02	1.81E+00
425	488819.6	3857050.76	0.27308	0.10221	0.25396	0.23724	3.36384	0.22953	0.1283	0.10221	1.31E+00	4.35E-03	6.09E-07	5.75E-03	7.25E-01	1.49E-02	2.09E-02	1.60E-02	2.07E+00
426	488869.6	3857050.76	0.26972	0.10224	0.28991	0.23295	3.26876	0.22832	0.1263	0.10224	1.29E+00	4.35E-03	6.95E-07	5.64E-03	7.05E-01	1.48E-02	2.06E-02	1.60E-02	2.03E+00
427	488919.6	3857050.76	0.26668	0.10187	0.29834	0.23182	3.18282	0.22572	0.1244	0.10187	1.28E+00	4.33E-03	7.16E-07	5.62E-03	6.86E-01	1.46E-02	2.03E-02	1.60E-02	2.00E+00
428	488819.6	3857100.76	0.27665	0.10095	0.28682	0.24089	3.37981	0.237	0.1313	0.10095	1.33E+00	4.30E-03	6.88E-07	5.84E-03	7.29E-01	1.53E-02	2.14E-02	1.58E-02	2.09E+00
429	488869.6	3857100.76	0.27329	0.10203	0.23933	0.23679	3.27404	0.23403	0.1292	0.10203	1.31E+00	4.34E-03	5.74E-07	5.74E-03	7.06E-01	1.51E-02	2.11E-02	1.60E-02	2.05E+00
430	488919.6	3857100.76	0.26985	0.10367	0.27977	0.2365	3.16552	0.22409	0.1272	0.10367	1.29E+00	4.41E-03	6.71E-07	5.73E-03	6.83E-01	1.45E-02	2.08E-02	1.62E-02	2.01E+00
431	488819.6	3857150.76	0.27903	0.10322	0.27815	0.24959	3.42341	0.24362	0.1344	0.10322	1.34E+00	4.39E-03	6.67E-07	6.05E-03	7.38E-01	1.58E-02	2.19E-02	1.62E-02	2.11E+00
432	488869.6	3857150.76	0.27518	0.10255	0.32725	0.24396	3.30049	0.23244	0.1322	0.10255	1.32E+00	4.36E-03	7.85E-07	5.91E-03	7.12E-01	1.50E-02	2.16E-02	1.61E-02	2.06E+00
433	488919.6	3857150.76	0.27219	0.10175	0.29745	0.24146	3.18942	0.22951	0.1301	0.10175	1.31E+00	4.33E-03	7.13E-07	5.85E-03	6.88E-01	1.48E-02	2.12E-02	1.59E-02	2.02E+00
434	488969.6	3857150.76	0.2696	0.10295	0.2838	0.23614	3.10589	0.22674	0.128	0.10295	1.29E+00	4.38E-03	6.81E-07	5.72E-03	6.70E-01	1.47E-02	2.09E-02	1.61E-02	1.99E+00
435	488819.6	3857200.76	0.2805	0.10543	0.29082	0.26065	3.55487	0.24143	0.1377	0.10543	1.35E+00	4.49E-03	6.97E-07	6.31E-03	7.67E-01	1.56E-02	2.25E-02	1.65E-02	2.15E+00
436	488869.6	3857200.76	0.27642	0.10474	0.28152	0.25347	3.41798	0.23838	0.1353	0.10474	1.33E+00	4.46E-03	6.75E-07	6.14E-03	7.37E-01	1.54E-02	2.21E-02	1.64E-02	2.10E+00
437	488919.6	3857200.76	0.27327	0.10391	0.25595	0.24848	3.295	0.23531	0.1331	0.10391	1.31E+00	4.42E-03	6.14E-07	6.02E-03	7.11E-01	1.52E-02	2.17E-02	1.63E-02	2.05E+00
438	488969.6	3857200.76	0.27077	0.10292	0.2494	0.24311	3.18502	0.23223	0.1309	0.10292	1.30E+00	4.38E-03	5.98E-07	5.89E-03	6.87E-01	1.50E-02	2.14E-02	1.61E-02	2.02E+00
439	488819.6	3857250.76	0.28154	0.1074	0.27642	0.26847	3.48064	0.24767	0.1411	0.1074	1.35E+00	4.57E-03	6.63E-07	6.50E-03	7.51E-01	1.60E-02	2.30E-02	1.68E-02	2.14E+00
440	488869.6	3857250.76	0.27731	0.1066	0.25493	0.25976	3.30971	0.24436	0.1385	0.1066	1.33E+00	4.54E-03	6.11E-07	6.29E-03	7.14E-01	1.58E-02	2.26E-02	1.67E-02	2.08E+00
441	488919.6	3857250.76	0.27401	0.10576	0.26171	0.25834	3.14253	0.24121	0.1361	0.10576	1.31E+00	4.50E-03	6.28E-07	6.26E-03	6.78E-01	1.56E-02	2.22E-02	1.66E-02	2.02E+00
442	488969.6	3857250.76	0.27133	0.10486	0.268	0.25383	2.99308	0.23819	0.1339	0.10486	1.30E+00	4.46E-03	6.43E-07	6.15E-03	6.46E-01	1.54E-02	2.19E-02	1.64E-02	1.98E+00
443	488819.6	3857300.76	0.2819	0.10934	0.25241	0.28299	3.50473	0.25456	0.1446	0.10934	1.35E+00	4.65E-03	6.05E-07	6.86E-03	7.56E-01	1.65E-02	2.36E-02	1.71E-02	2.14E+00
444	488869.6	3857300.76	0.27748	0.10847	0.26848	0.26652	3.34321	0.25109	0.1418	0.10847	1.33E+00	4.62E-03	6.44E-07	6.46E-03	7.21E-01	1.62E-02	2.32E-02	1.70E-02	2.09E+00
445	488919.6	3857300.76	0.274	0.10767	0.24794	0.26157	3.17639	0.25511	0.1393	0.10767	1.31E+00	4.58E-03	5.95E-07	6.34E-03	6.85E-01	1.65E-02	2.27E-02	1.69E-02	2.03E+00
446	488819.6	3857450.76	0.29878	0.11561	0.37531	0.325	3.32431	0.32118	0.1561	0.11561	1.43E+00	4.92E-03	9.00E-07	7.87E-03	7.17E-01	2.08E-02	2.55E-02	1.81E-02	2.19E+00
447	488869.6	3857450.76	0.294	0.11429	0.42112	0.31597	3.15868	0.31875	0.1527	0.11429	1.41E+00	4.86E-03	1.01E-06	7.65E-03	6.81E-01	2.06E-02	2.49E-02	1.79E-02	2.13E+00
448	488919.6	3857450.76	0.28911	0.11332	0.50112	0.30541	3.00507	0.30582	0.1497	0.11332	1.39E+00	4.82E-03	1.20E-06	7.40E-03	6.48E-01	1.98E-02	2.44E-02	1.78E-02	2.07E+00
449	488819.6	3857500.76	0.3063	0.11846	0.54377	0.33724	3.24622	0.32674	0.1605	0.11846	1.47E+00	5.04E-03	1.30E-06	8.17E-03	7.00E-01	2.11E-02	2.62E-02	1.86E-02	2.21E+00
450	488869.6	3857500.76	0.30109	0.11719	0.55996	0.32871	3.09065	0.31845	0.1568	0.11719	1.44E+00	4.99E-03	1.34E-06	7.96E-03	6.67E-01	2.06E-02	2.56E-02	1.84E-02	2.15E+00
451	488919.6	3857500.76	0.29609	0.116	0.5853	0.32281	2.9295	0.32463	0.1535	0.116	1.42E+00	4.94E-03	1.40E-06	7.82E-03	6.32E-01	2.10E-02	2.51E-02	1.82E-02	2.09E+00
452	488819.6	3857550.76	0.31387	0.12155	0.58386	0.34973	3.24985	0.35085	0.1651	0.12155	1.51E+00	5.17E-03	1.40E-06	8.47E-03	7.01E-01	2.27E-02	2.69E-02	1.90E-02	2.25E+00

453	488869.6	3857550.76	0.30853	0.12005	0.54646	0.3417	3.09204	0.34378	0.1611	0.12005	1.48E+00	5.11E-03	1.31E-06	8.28E-03	6.67E-01	2.22E-02	2.63E-02	1.88E-02	2.19E+00
454	488919.6	3857550.76	0.30326	0.11876	0.50443	0.33478	2.95869	0.34425	0.1575	0.11876	1.46E+00	5.05E-03	1.21E-06	8.11E-03	6.38E-01	2.23E-02	2.57E-02	1.86E-02	2.14E+00
455	489663.71	3860900.05	0.24028	0.12423	0.17515	0.30594	0.35072	0.22297	0.1275	0.12423	1.15E+00	5.29E-03	4.20E-07	7.41E-03	7.56E-02	1.44E-02	2.08E-02	1.95E-02	1.26E+00
456	489813.71	3860900.05	0.23269	0.1315	0.18833	0.26206	0.31878	0.21753	0.129	0.1315	1.12E+00	5.60E-03	4.52E-07	6.35E-03	6.88E-02	1.41E-02	2.11E-02	2.06E-02	1.21E+00
457	489863.71	3860900.05	0.23035	0.13276	0.17151	0.2492	0.32209	0.21833	0.1294	0.13276	1.11E+00	5.65E-03	4.11E-07	6.04E-03	6.95E-02	1.41E-02	2.11E-02	2.08E-02	1.20E+00
458	489913.71	3860900.05	0.22535	0.13775	0.18456	0.2387	0.32107	0.22059	0.1307	0.13775	1.08E+00	5.86E-03	4.43E-07	5.78E-03	6.92E-02	1.43E-02	2.13E-02	2.16E-02	1.18E+00
459	489963.71	3860900.05	0.2198	0.14255	0.17756	0.22807	0.31433	0.22141	0.1314	0.14255	1.05E+00	6.07E-03	4.26E-07	5.53E-03	6.78E-02	1.43E-02	2.14E-02	2.23E-02	1.15E+00
460	490013.71	3860900.05	0.21764	0.14642	0.15619	0.21927	0.2858	0.22343	0.1345	0.14642	1.04E+00	6.23E-03	3.75E-07	5.31E-03	6.16E-02	1.45E-02	2.20E-02	2.29E-02	1.13E+00
461	490063.71	3860900.05	0.21771	0.14928	0.12575	0.21082	0.28868	0.22454	0.1412	0.14928	1.04E+00	6.35E-03	3.02E-07	5.11E-03	6.23E-02	1.45E-02	2.31E-02	2.34E-02	1.13E+00
462	489663.71	3860950.05	0.23612	0.12163	0.16634	0.30718	0.34693	0.22378	0.1247	0.12163	1.13E+00	5.18E-03	3.99E-07	7.44E-03	7.48E-02	1.45E-02	2.04E-02	1.91E-02	1.24E+00
463	489813.71	3860950.05	0.22684	0.1262	0.18331	0.26094	0.31831	0.21849	0.1264	0.1262	1.09E+00	5.37E-03	4.40E-07	6.32E-03	6.87E-02	1.41E-02	2.06E-02	1.98E-02	1.18E+00
464	489863.71	3860950.05	0.22383	0.12994	0.15681	0.24905	0.31808	0.21737	0.1266	0.12994	1.07E+00	5.53E-03	3.76E-07	6.03E-03	6.86E-02	1.41E-02	2.07E-02	2.04E-02	1.17E+00
465	489913.71	3860950.05	0.22129	0.13181	0.16872	0.23815	0.31978	0.21656	0.1276	0.13181	1.06E+00	5.61E-03	4.05E-07	5.77E-03	6.90E-02	1.40E-02	2.08E-02	2.06E-02	1.16E+00
466	489963.71	3860950.05	0.21738	0.13573	0.17567	0.22777	0.3161	0.21827	0.1284	0.13573	1.04E+00	5.78E-03	4.21E-07	5.52E-03	6.82E-02	1.41E-02	2.10E-02	2.13E-02	1.14E+00
467	490013.71	3860950.05	0.21572	0.14075	0.14244	0.21879	0.30419	0.22132	0.1296	0.14075	1.04E+00	5.99E-03	3.42E-07	5.30E-03	6.56E-02	1.43E-02	2.12E-02	2.20E-02	1.13E+00
468	490063.71	3860950.05	0.21418	0.14441	0.12888	0.21058	0.2812	0.22213	0.131	0.14441	1.03E+00	6.14E-03	3.09E-07	5.10E-03	6.06E-02	1.44E-02	2.14E-02	2.26E-02	1.11E+00
469	489513.71	3861000.05	0.23612	0.11781	0.15485	0.39928	0.26549	0.21273	0.1193	0.11781	1.13E+00	5.01E-03	3.71E-07	9.67E-03	5.73E-02	1.38E-02	1.95E-02	1.85E-02	1.22E+00
470	489563.71	3861000.05	0.22853	0.12009	0.14362	0.36107	0.30963	0.21424	0.1227	0.12009	1.10E+00	5.11E-03	3.44E-07	8.75E-03	6.68E-02	1.39E-02	2.00E-02	1.88E-02	1.19E+00
471	489613.71	3861000.05	0.22825	0.12122	0.16967	0.33261	0.33784	0.21666	0.1228	0.12122	1.10E+00	5.16E-03	4.07E-07	8.06E-03	7.29E-02	1.40E-02	2.00E-02	1.90E-02	1.20E+00
472	489663.71	3861000.05	0.23366	0.12229	0.16228	0.30884	0.34204	0.21938	0.1229	0.12229	1.12E+00	5.20E-03	3.89E-07	7.48E-03	7.38E-02	1.42E-02	2.01E-02	1.92E-02	1.22E+00
473	489713.71	3861000.05	0.23122	0.12331	0.19123	0.28859	0.3403	0.22223	0.1234	0.12331	1.11E+00	5.25E-03	4.59E-07	6.99E-03	7.34E-02	1.44E-02	2.01E-02	1.93E-02	1.21E+00
474	489763.71	3861000.05	0.22833	0.12456	0.2028	0.27013	0.33337	0.21752	0.1246	0.12456	1.10E+00	5.30E-03	4.86E-07	6.54E-03	7.19E-02	1.41E-02	2.03E-02	1.95E-02	1.19E+00
475	489813.71	3861000.05	0.22564	0.12626	0.17721	0.26021	0.32199	0.21326	0.1264	0.12626	1.08E+00	5.37E-03	4.25E-07	6.30E-03	6.94E-02	1.38E-02	2.06E-02	1.98E-02	1.18E+00
476	489863.71	3861000.05	0.22266	0.12745	0.14348	0.2494	0.3128	0.21373	0.1276	0.12745	1.07E+00	5.42E-03	3.44E-07	6.04E-03	6.75E-02	1.38E-02	2.08E-02	2.00E-02	1.16E+00
477	489913.71	3861000.05	0.22011	0.12925	0.15447	0.23819	0.31726	0.21611	0.1295	0.12925	1.06E+00	5.50E-03	3.70E-07	5.77E-03	6.84E-02	1.40E-02	2.11E-02	2.02E-02	1.15E+00
478	489963.71	3861000.05	0.21744	0.13102	0.16557	0.22752	0.31619	0.21802	0.1308	0.13102	1.04E+00	5.57E-03	3.97E-07	5.51E-03	6.82E-02	1.41E-02	2.13E-02	2.05E-02	1.14E+00
479	490013.71	3861000.05	0.20773	0.13406	0.13013	0.21847	0.31081	0.22074	0.1316	0.13406	9.97E-01	5.70E-03	3.12E-07	5.29E-03	6.70E-02	1.43E-02	2.15E-02	2.10E-02	1.09E+00
480	490063.71	3861000.05	0.20618	0.13895	0.13332	0.21018	0.28117	0.22261	0.1319	0.13895	9.89E-01	5.91E-03	3.20E-07	5.09E-03	6.06E-02	1.44E-02	2.15E-02	2.18E-02	1.08E+00
481	489513.71	3861050.05	0.22704	0.11549	0.14601	0.40328	0.24001	0.21089	0.117	0.11549	1.09E+00	4.91E-03	3.50E-07	9.77E-03	5.18E-02	1.36E-02	1.91E-02	1.81E-02	1.17E+00
482	489563.71	3861050.05	0.22964	0.11588	0.13767	0.36448	0.28256	0.21176	0.1179	0.11588	1.10E+00	4.93E-03	3.30E-07	8.83E-03	6.09E-02	1.37E-02	1.92E-02	1.82E-02	1.19E+00
483	489613.71	3861050.05	0.21775	0.1168	0.16125	0.33561	0.32722	0.21385	0.1192	0.1168	1.04E+00	4.97E-03	3.87E-07	8.13E-03	7.06E-02	1.38E-02	1.94E-02	1.83E-02	1.14E+00
484	489663.71	3861050.05	0.21364	0.11707	0.16496	0.30983	0.33582	0.2157	0.12	0.11707	1.03E+00	4.98E-03	3.96E-07	7.51E-03	7.24E-02	1.40E-02	1.96E-02	1.83E-02	1.13E+00
485	489713.71	3861050.05	0.21745	0.11749	0.17925	0.28924	0.33672	0.21814	0.1207	0.11749	1.04E+00	5.00E-03	4.30E-07	7.01E-03	7.26E-02	1.41E-02	1.97E-02	1.84E-02	1.14E+00
486	489763.71	3861050.05	0.22237	0.11995	0.18992	0.27109	0.33273	0.22121	0.1216	0.11995	1.07E+00	5.10E-03	4.55E-07	6.57E-03	7.18E-02	1.43E-02	1.98E-02	1.88E-02	1.17E+00
487	489813.71	3861050.05	0.22389	0.12369	0.16989	0.25868	0.32372	0.21671	0.1239	0.12369	1.07E+00	5.26E-03	4.07E-07	6.27E-03	6.98E-02	1.40E-02	2.02E-02	1.94E-02	1.17E+00
488	489863.71	3861050.05	0.22119	0.12511	0.13113	0.24963	0.30943	0.21254	0.1253	0.12511	1.06E+00	5.32E-03	3.14E-07	6.05E-03	6.67E-02	1.38E-02	2.04E-02	1.96E-02	1.15E+00
489	489913.71	3861050.05	0.21859	0.12666	0.14107	0.23791	0.31288	0.21443	0.1269	0.12666	1.05E+00	5.39E-03	3.38E-07	5.76E-03	6.75E-02	1.39E-02	2.07E-02	1.98E-02	1.14E+00
490	489963.71	3861050.05	0.21606	0.12827	0.15683	0.22746	0.31479	0.21619	0.1285	0.12827	1.04E+00	5.46E-03	3.76E-07	5.51E-03	6.79E-02	1.40E-02	2.10E-02	2.01E-02	1.13E+00
491	490013.71	3861050.05	0.21385	0.1308	0.13028	0.21838	0.31239	0.21859	0.1305	0.1308	1.03E+00	5.57E-03	3.12E-07	5.29E-03	6.74E-02	1.41E-02	2.13E-02	2.05E-02	1.12E+00
492	490063.71	3861050.05	0.19924	0.13433	0.12804	0.20996	0.29946	0.22023	0.1324	0.13433	9.56E-01	5.72E-03	3.07E-07	5.09E-03	6.46E-02	1.42E-02	2.16E-02	2.10E-02	1.05E+00
493	489513.71	3861100.05	0.21717	0.11395	0.13701	0.40359	0.22195	0.21016	0.1152	0.11395	1.04E+00	4.85E-03	3.29E-07	9.78E-03	4.79E-02	1.36E-02	1.88E-02	1.79E-02	1.12E+00
494	489563.71	3861100.05	0.22077	0.1139	0.13275	0.36576	0.25656	0.21003	0.1157	0.1139	1.06E+00	4.85E-03	3.18E-07	8.86E-03	5.53E-02	1.36E-02	1.89E-02	1.78E-02	1.14E+00
495	489613.71	3861100.05	0.22317	0.11384	0.15082	0.33288	0.29793	0.21044	0.1163	0.11384	1.07E+00	4.84E-03	3.62E-07	8.06E-03	6.43E-02	1.36E-02	1.90E-02	1.78E-02	1.16E+00
496	489663.71	3861100.05	0.20733	0.11445	0.15899	0.30868	0.32746	0.21223	0.1174	0.11445	9.95E-01	4.87E-03	3.81E-07	7.48E-03	7.06E-02	1.37E-02	1.92E-02	1.79E-02	1.09E+00
497	489713.71	3861100.05	0.20421	0.11513	0.16798	0.2891	0.33148	0.21456	0.1185	0.11513	9.80E-01	4.90E-03	4.03E-07	7.00E-03	7.15E-02	1.39E-02	1.93E-02	1.80E-02	1.08E+00
498	489763.71	3861100.05	0.20342	0.11585	0.17775	0.27239	0.33019	0.2173	0.1187	0.11585	9.76E-01	4.93E-03	4.26E-07	6.60E-03	7.12E-02	1.41E-02	1.94E-02	1.81E-02	1.07E+00
499	489813.71	3861100.05	0.20847	0.11681	0.1622	0.25683	0.32398	0.22051	0.1192	0.11681	1.00E+00	4.97E-03	3.89E-07	6.22E-03	6.99E-02	1.43E-02	1.95E-02	1.83E-02	1.10E+00
500	489863.71	3861100.05	0.21311	0.118	0.12872	0.24905	0.31309	0.21666	0.12	0.118	1.02E+00	5.02E-03	3.09E-07	6.03E-03	6.75E-02	1.40E-02	1.96E-02	1.85E-02	1.12E+00
501	489913.71	3861100.05	0.21678	0.11864	0.12883	0.23786	0.30727	0.21064	0.1203	0.11864	1.04E+00	5.05E-03	3.09E-07	5.76E-03	6.63E-02	1.36E-02	1.96E-02	1.86E-02	1.13E+00
502	489963.71	3861100.05	0.2145	0.12126	0.15792	0.22742	0.31191	0.21172	0.121	0.12126	1.03E+00	5.16E-03	3.79E-07	5.51E-03	6.73E-02	1.37E-02	1.97E-02	1.90E-02	1.12E+00
503	490013.71	3861100.05	0.21214	0.12519	0.12987	0.21789	0.31162	0.21223	0.1236	0.12519	1.02E+00	5.33E-03	3.11E-07	5.28E-03	6.72E-02	1.37E-02	2.02E-02	1.96E-02	1.11E+00
504	490063.71	3861100.05	0.20441	0.12896	0.11687	0.20958	0.30699	0.21298	0.1295	0.12896	9.81E-01	5.49E-03	2.80E-07	5.08E-03	6.62E-02	1.38E-02	2.11E-02	2.02E-02	1.07E+00
505	489713.71	3861150.05	0.20218	0.11301	0.1607	0.2892	0.32524	0.21187	0.1165	0.11301	9.70E-01	4.81E-03	3.85E-07	7.01E-03	7.01E-02	1.37E-02	1.90E-02	1.77E-02	1.07E+00
506	489763.71	3861150.05	0.19613	0.11381	0.16667	0.27269	0.32672	0.21433	0.1168	0.11381	9.41E-01	4.84E-03	4.00E-07	6.61E-03	7.05E-02	1.39E-02	1.91E-02	1.78E-02	1.04E+00
507	489813.71	3861150.05	0.19564	0.11473	0.15485	0.25662	0.32317	0.21725	0.1173	0.11473	9.39E-01	4.88E-03	3.71E-07	6.22E-03	6.97E-02	1.41E-02	1.91E-02	1.80E-02	1.03E+00
508	489863.71	3861150.05	0.19593	0.11558	0.13579	0.24685	0.3144	0.22032	0.1177	0.11558	9.40E-01	4.92E-03	3.26E-07	5.98E-03	6.78E-02	1.43E-02	1.92E-02	1.81E-02	1.03E+00
509	489913.71	3861150.05	0.20111	0.1164	0.12325	0.23754	0.30094	0.21646	0.1181	0.1164	9.65E-01	4.95E-03	2.96E-07	5.75E-03	6.49E-02	1.40E-02	1.93E-02	1.82E-02	1.06E+00

510	489963.71	3861150.05	0.20549	0.11718	0.15801	0.22683	0.30718	0.20951	0.1186	0.11718	9.86E-01	4.99E-03	3.79E-07	5.50E-03	6.63E-02	1.36E-02	1.94E-02	1.84E-02	1.08E+00
511	490013.71	3861150.05	0.20905	0.11956	0.12953	0.21731	0.30957	0.20316	0.1192	0.11956	1.00E+00	5.09E-03	3.11E-07	5.26E-03	6.68E-02	1.31E-02	1.95E-02	1.87E-02	1.09E+00
512	490063.71	3861150.05	0.20861	0.12355	0.10695	0.20918	0.30778	0.20288	0.1203	0.12355	1.00E+00	5.26E-03	2.57E-07	5.07E-03	6.64E-02	1.31E-02	1.96E-02	1.94E-02	1.09E+00
513	489613.71	3861200.05	0.20464	0.10964	0.13279	0.33254	0.2459	0.20732	0.1123	0.10964	9.82E-01	4.67E-03	3.18E-07	8.06E-03	5.30E-02	1.34E-02	1.83E-02	1.72E-02	1.06E+00
514	489663.71	3861200.05	0.20837	0.11031	0.13994	0.30882	0.28687	0.20842	0.1135	0.11031	1.00E+00	4.69E-03	3.36E-07	7.48E-03	6.19E-02	1.35E-02	1.85E-02	1.73E-02	1.09E+00
515	489713.71	3861200.05	0.20395	0.11106	0.15889	0.2894	0.31798	0.21	0.1147	0.11106	9.79E-01	4.73E-03	3.81E-07	7.01E-03	6.86E-02	1.36E-02	1.87E-02	1.74E-02	1.07E+00
516	489763.71	3861200.05	0.19814	0.11185	0.15746	0.27275	0.32192	0.21203	0.115	0.11185	9.51E-01	4.76E-03	3.78E-07	6.61E-03	6.94E-02	1.37E-02	1.88E-02	1.75E-02	1.05E+00
517	489813.71	3861200.05	0.19167	0.11274	0.15025	0.2565	0.32095	0.21458	0.1154	0.11274	9.20E-01	4.80E-03	3.60E-07	6.21E-03	6.92E-02	1.39E-02	1.88E-02	1.77E-02	1.02E+00
518	489863.71	3861200.05	0.19127	0.11376	0.14189	0.24607	0.31519	0.21741	0.116	0.11376	9.18E-01	4.84E-03	3.40E-07	5.96E-03	6.80E-02	1.41E-02	1.89E-02	1.78E-02	1.01E+00
519	489913.71	3861200.05	0.19047	0.11452	0.13092	0.23745	0.30414	0.21753	0.1163	0.11452	9.14E-01	4.87E-03	3.14E-07	5.75E-03	6.56E-02	1.41E-02	1.90E-02	1.79E-02	1.01E+00
520	489963.71	3861200.05	0.19003	0.1152	0.15102	0.22669	0.30153	0.21702	0.1167	0.1152	9.12E-01	4.90E-03	3.62E-07	5.49E-03	6.50E-02	1.40E-02	1.90E-02	1.80E-02	1.00E+00
521	490013.71	3861200.05	0.1949	0.11615	0.12424	0.21734	0.3066	0.21028	0.1174	0.11615	9.35E-01	4.94E-03	2.98E-07	5.27E-03	6.61E-02	1.36E-02	1.92E-02	1.82E-02	1.03E+00
522	490063.71	3861200.05	0.19904	0.11807	0.09798	0.20879	0.30703	0.20376	0.1181	0.11807	9.55E-01	5.02E-03	2.35E-07	5.06E-03	6.62E-02	1.32E-02	1.93E-02	1.85E-02	1.05E+00
523	489513.71	3861250.05	0.20912	0.1066	0.1134	0.39836	0.22422	0.2042	0.1084	0.1066	1.00E+00	4.54E-03	2.72E-07	9.65E-03	4.84E-02	1.32E-02	1.77E-02	1.67E-02	1.08E+00
524	489563.71	3861250.05	0.20509	0.10734	0.12213	0.36347	0.21395	0.20206	0.1096	0.10734	9.84E-01	4.57E-03	2.93E-07	8.81E-03	4.61E-02	1.31E-02	1.79E-02	1.68E-02	1.06E+00
525	489613.71	3861250.05	0.2	0.10801	0.12554	0.33412	0.22243	0.19936	0.1108	0.10801	9.60E-01	4.60E-03	3.01E-07	8.09E-03	4.80E-02	1.29E-02	1.81E-02	1.69E-02	1.03E+00
526	489663.71	3861250.05	0.19897	0.10858	0.13128	0.30924	0.26166	0.19688	0.1119	0.10858	9.55E-01	4.62E-03	3.15E-07	7.49E-03	5.64E-02	1.27E-02	1.83E-02	1.70E-02	1.04E+00
527	489713.71	3861250.05	0.20269	0.1093	0.15587	0.28957	0.29699	0.20596	0.1131	0.1093	9.73E-01	4.65E-03	3.74E-07	7.02E-03	6.41E-02	1.33E-02	1.85E-02	1.71E-02	1.06E+00
528	489763.71	3861250.05	0.19497	0.11007	0.15553	0.27283	0.31613	0.21051	0.1133	0.11007	9.36E-01	4.68E-03	3.73E-07	6.61E-03	6.82E-02	1.36E-02	1.85E-02	1.72E-02	1.03E+00
529	489813.71	3861250.05	0.19439	0.11089	0.15207	0.25651	0.31753	0.21262	0.1136	0.11089	9.33E-01	4.72E-03	3.65E-07	6.21E-03	6.85E-02	1.38E-02	1.85E-02	1.74E-02	1.03E+00
530	489863.71	3861250.05	0.18812	0.11173	0.14573	0.24373	0.31405	0.21383	0.114	0.11173	9.03E-01	4.75E-03	3.50E-07	5.90E-03	6.77E-02	1.38E-02	1.86E-02	1.75E-02	9.96E-01
531	489913.71	3861250.05	0.18763	0.11267	0.13703	0.2363	0.30594	0.21413	0.1146	0.11267	9.00E-01	4.79E-03	3.29E-07	5.72E-03	6.60E-02	1.39E-02	1.87E-02	1.76E-02	9.92E-01
532	489963.71	3861250.05	0.18718	0.11353	0.13995	0.22674	0.29493	0.21435	0.1151	0.11353	8.98E-01	4.83E-03	3.36E-07	5.49E-03	6.36E-02	1.39E-02	1.88E-02	1.78E-02	9.87E-01
533	490013.71	3861250.05	0.18624	0.11434	0.11406	0.2173	0.30224	0.21438	0.1156	0.11434	8.94E-01	4.86E-03	2.74E-07	5.26E-03	6.52E-02	1.39E-02	1.89E-02	1.79E-02	9.84E-01
534	490063.71	3861250.05	0.18493	0.11499	0.10103	0.20854	0.30492	0.21076	0.1161	0.11499	8.87E-01	4.89E-03	2.42E-07	5.05E-03	6.58E-02	1.36E-02	1.90E-02	1.80E-02	9.78E-01
535	489528.13	3861308.47	0.20617	0.1048	0.11566	0.38768	0.22216	0.19971	0.1069	0.1048	9.89E-01	4.46E-03	2.77E-07	9.39E-03	4.79E-02	1.29E-02	1.74E-02	1.64E-02	1.07E+00
536	489578.13	3861308.47	0.20254	0.10546	0.12319	0.35399	0.21263	0.197	0.108	0.10546	9.72E-01	4.49E-03	2.95E-07	8.58E-03	4.59E-02	1.27E-02	1.76E-02	1.65E-02	1.04E+00
537	489628.13	3861308.47	0.19811	0.10611	0.12173	0.32616	0.20677	0.19389	0.1092	0.10611	9.51E-01	4.51E-03	2.92E-07	7.90E-03	4.46E-02	1.25E-02	1.78E-02	1.66E-02	1.02E+00
538	489678.13	3861308.47	0.19277	0.10684	0.12683	0.3033	0.24489	0.19036	0.1105	0.10684	9.25E-01	4.55E-03	3.04E-07	7.35E-03	5.28E-02	1.23E-02	1.80E-02	1.67E-02	1.00E+00
539	489728.13	3861308.47	0.19316	0.10759	0.15257	0.28438	0.28438	0.19035	0.1113	0.10759	9.27E-01	4.58E-03	3.66E-07	6.89E-03	6.13E-02	1.23E-02	1.82E-02	1.69E-02	1.01E+00
540	489778.13	3861308.47	0.19679	0.10827	0.1526	0.2681	0.30958	0.19849	0.1115	0.10827	9.44E-01	4.61E-03	3.66E-07	6.50E-03	6.68E-02	1.28E-02	1.82E-02	1.70E-02	1.04E+00
541	489678.13	3861358.47	0.19298	0.10524	0.12332	0.30308	0.22175	0.18473	0.1089	0.10524	9.26E-01	4.48E-03	2.96E-07	7.34E-03	4.78E-02	1.20E-02	1.78E-02	1.65E-02	9.99E-01
542	489728.13	3861358.47	0.18753	0.10593	0.14731	0.28403	0.2598	0.18081	0.1098	0.10593	9.00E-01	4.51E-03	3.53E-07	6.88E-03	5.60E-02	1.17E-02	1.79E-02	1.66E-02	9.80E-01
543	489528.13	3861408.47	0.20302	0.10169	0.10432	0.38666	0.20843	0.18802	0.104	0.10169	9.74E-01	4.33E-03	2.50E-07	9.37E-03	4.50E-02	1.22E-02	1.70E-02	1.59E-02	1.05E+00
544	489578.13	3861408.47	0.20007	0.10234	0.11685	0.35307	0.21469	0.18485	0.1051	0.10234	9.60E-01	4.35E-03	2.80E-07	8.55E-03	4.63E-02	1.20E-02	1.72E-02	1.60E-02	1.03E+00
545	489628.13	3861408.47	0.19687	0.10326	0.118	0.32676	0.20535	0.18194	0.1065	0.10326	9.45E-01	4.39E-03	2.83E-07	7.92E-03	4.43E-02	1.18E-02	1.74E-02	1.62E-02	1.01E+00
546	489678.13	3861408.47	0.19284	0.1038	0.12013	0.30305	0.20013	0.17826	0.1075	0.1038	9.25E-01	4.42E-03	2.88E-07	7.34E-03	4.32E-02	1.15E-02	1.75E-02	1.63E-02	9.93E-01
547	489728.13	3861408.47	0.18805	0.10436	0.14237	0.2837	0.23637	0.17622	0.1083	0.10436	9.02E-01	4.44E-03	3.41E-07	6.87E-03	5.10E-02	1.14E-02	1.77E-02	1.63E-02	9.77E-01
548	489528.13	3861458.47	0.2016	0.10043	0.10877	0.38859	0.19579	0.18128	0.1028	0.10043	9.67E-01	4.27E-03	2.61E-07	9.41E-03	4.22E-02	1.17E-02	1.68E-02	1.57E-02	1.04E+00
549	489578.13	3861458.47	0.1989	0.10109	0.11554	0.35434	0.21507	0.178	0.1039	0.10109	9.55E-01	4.30E-03	2.77E-07	8.58E-03	4.64E-02	1.15E-02	1.70E-02	1.58E-02	1.03E+00
550	489628.13	3861458.47	0.19586	0.10173	0.1153	0.32621	0.20675	0.17472	0.105	0.10173	9.40E-01	4.33E-03	2.77E-07	7.90E-03	4.46E-02	1.13E-02	1.71E-02	1.59E-02	1.01E+00
551	489678.13	3861458.47	0.19234	0.10231	0.11714	0.30268	0.1956	0.17125	0.106	0.10231	9.23E-01	4.35E-03	2.81E-07	7.33E-03	4.22E-02	1.11E-02	1.73E-02	1.60E-02	9.89E-01
552	489728.13	3861458.47	0.18809	0.10272	0.13739	0.28273	0.21388	0.16735	0.1067	0.10272	9.03E-01	4.37E-03	3.30E-07	6.85E-03	4.61E-02	1.08E-02	1.74E-02	1.61E-02	9.72E-01
553	489528.13	3861508.47	0.20014	0.09915	0.11243	0.38905	0.18331	0.1744	0.1016	0.09915	9.60E-01	4.22E-03	2.70E-07	9.43E-03	3.95E-02	1.13E-02	1.66E-02	1.55E-02	1.03E+00
554	489578.13	3861508.47	0.19761	0.0997	0.1139	0.35395	0.20476	0.17088	0.1026	0.0997	9.48E-01	4.24E-03	2.73E-07	8.58E-03	4.42E-02	1.11E-02	1.67E-02	1.56E-02	1.02E+00
555	489628.13	3861508.47	0.19479	0.10026	0.11097	0.32555	0.20759	0.169	0.1036	0.10026	9.35E-01	4.27E-03	2.66E-07	7.89E-03	4.48E-02	1.09E-02	1.69E-02	1.57E-02	1.00E+00
556	489678.13	3861508.47	0.19159	0.10077	0.11524	0.3019	0.19761	0.17115	0.1046	0.10077	9.19E-01	4.29E-03	2.76E-07	7.31E-03	4.26E-02	1.11E-02	1.71E-02	1.58E-02	9.86E-01
557	489728.13	3861508.47	0.18791	0.10128	0.13295	0.28215	0.19299	0.16909	0.1054	0.10128	9.02E-01	4.31E-03	3.19E-07	6.84E-03	4.16E-02	1.09E-02	1.72E-02	1.59E-02	9.67E-01
558	489628.13	3861558.47	0.19383	0.09094	0.10876	0.325	0.20821	0.16115	0.0992	0.09094	9.30E-01	3.87E-03	2.61E-07	7.87E-03	4.49E-02	1.04E-02	1.62E-02	1.42E-02	9.99E-01
559	489678.13	3861558.47	0.19105	0.09298	0.11114	0.30166	0.19988	0.15881	0.1019	0.09298	9.17E-01	3.96E-03	2.67E-07	7.31E-03	4.31E-02	1.03E-02	1.66E-02	1.46E-02	9.84E-01
560	489728.13	3861558.47	0.18775	0.09478	0.12964	0.28274	0.18867	0.15791	0.1045	0.09478	9.01E-01	4.03E-03	3.11E-07	6.85E-03	4.07E-02	1.02E-02	1.71E-02	1.48E-02	9.65E-01
561	489357.08	3861015.81	0.23605	0.11499	0.13411	0.614	0.23998	0.21527	0.1159	0.11499	1.13E+00	4.89E-03	3.22E-07	1.49E-02	5.18E-02	1.39E-02	1.89E-02	1.80E-02	1.22E+00
562	489407.08	3861015.81	0.23612	0.11531	0.15632	0.51286	0.24296	0.21078	0.1164	0.11531	1.13E+00	4.91E-03	3.75E-07	1.24E-02	5.24E-02	1.36E-02	1.90E-02	1.81E-02	1.22E+00
563	489457.08	3861015.81	0.23185	0.11583	0.15041	0.45172	0.23179	0.21081	0.1172	0.11583	1.11E+00	4.93E-03	3.61E-07	1.09E-02	5.00E-02	1.36E-02	1.91E-02	1.81E-02	1.19E+00
564	489357.08	3861065.81	0.23169	0.11313	0.12692	0.61807	0.23044	0.21734	0.1137	0.11313	1.11E+00	4.81E-03	3.04E-07	1.50E-02	4.97E-02	1.41E-02	1.86E-02	1.77E-02	1.20E+00
565	489407.08	3861065.81	0.22756	0.11337	0.14564	0.51896	0.24292	0.20985	0.1142	0.11337	1.09E+00	4.82E-03	3.49E-07	1.26E-02	5.24E-02	1.36E-02	1.86E-02	1.78E-02	1.18E+00
566	489457.08	3861065.81	0.22236	0.11386	0.13606	0.4557	0.23356	0.20957	0.115	0.11386	1.07E+00	4.84E-03	3.26E-07	1.10E-02	5.04E-02	1.36E-02	1.88E-02	1.78E-02	1.15E+00

567	489357.08	3861115.81	0.2278	0.11117	0.12364	0.61628	0.24621	0.21221	0.1115	0.11117	1.09E+00	4.73E-03	2.97E-07	1.49E-02	5.31E-02	1.37E-02	1.82E-02	1.74E-02	1.18E+00
568	489407.08	3861115.81	0.22424	0.11171	0.14413	0.52121	0.23524	0.2101	0.1123	0.11171	1.08E+00	4.75E-03	3.46E-07	1.26E-02	5.07E-02	1.36E-02	1.83E-02	1.75E-02	1.16E+00
569	489457.08	3861115.81	0.22008	0.11222	0.1285	0.45645	0.23497	0.20914	0.1131	0.11222	1.06E+00	4.77E-03	3.08E-07	1.11E-02	5.07E-02	1.35E-02	1.85E-02	1.76E-02	1.14E+00
570	489407.08	3861165.81	0.2213	0.11004	0.15261	0.51727	0.22098	0.21115	0.1103	0.11004	1.06E+00	4.68E-03	3.66E-07	1.25E-02	4.77E-02	1.37E-02	1.80E-02	1.72E-02	1.14E+00
571	489457.08	3861165.81	0.21755	0.1103	0.12354	0.45519	0.23517	0.20836	0.1111	0.1103	1.04E+00	4.69E-03	2.96E-07	1.10E-02	5.07E-02	1.35E-02	1.81E-02	1.73E-02	1.12E+00
572	489407.08	3861215.81	0.21816	0.10742	0.1324	0.52121	0.22005	0.21027	0.1079	0.10742	1.05E+00	4.57E-03	3.18E-07	1.26E-02	4.75E-02	1.36E-02	1.76E-02	1.68E-02	1.13E+00
573	489457.08	3861215.81	0.21483	0.10781	0.1214	0.45662	0.22946	0.20653	0.1088	0.10781	1.03E+00	4.59E-03	2.91E-07	1.11E-02	4.95E-02	1.34E-02	1.78E-02	1.69E-02	1.11E+00
574	489407.08	3861265.81	0.21534	0.10494	0.11924	0.50889	0.22443	0.20814	0.1058	0.10494	1.03E+00	4.47E-03	2.86E-07	1.23E-02	4.84E-02	1.35E-02	1.73E-02	1.64E-02	1.11E+00
575	489457.08	3861265.81	0.21236	0.10551	0.11442	0.4509	0.21458	0.20451	0.1068	0.10551	1.02E+00	4.49E-03	2.74E-07	1.09E-02	4.63E-02	1.32E-02	1.74E-02	1.65E-02	1.09E+00
576	489309.86	3861110.14	0.23141	0.11076	0.12365	0.76354	0.21594	0.21421	0.1109	0.11076	1.11E+00	4.71E-03	2.97E-07	1.85E-02	4.66E-02	1.39E-02	1.81E-02	1.74E-02	1.19E+00
577	489407.08	3861315.81	0.21311	0.10325	0.11792	0.50871	0.20081	0.20163	0.1043	0.10325	1.02E+00	4.39E-03	2.83E-07	1.23E-02	4.33E-02	1.30E-02	1.70E-02	1.62E-02	1.10E+00
578	489457.08	3861315.81	0.21036	0.10385	0.10633	0.45203	0.20097	0.20293	0.1053	0.10385	1.01E+00	4.42E-03	2.55E-07	1.10E-02	4.33E-02	1.31E-02	1.72E-02	1.63E-02	1.08E+00
579	488906.03	3861006.75	0.26459	0.1096	0.28902	0.46462	0.10415	0.26387	0.1102	0.1096	1.27E+00	4.66E-03	6.93E-07	1.13E-02	2.25E-02	1.71E-02	1.80E-02	1.72E-02	1.33E+00
580	488956.03	3861006.75	0.2637	0.11069	0.27871	0.51017	0.11866	0.25415	0.1113	0.11069	1.27E+00	4.71E-03	6.68E-07	1.24E-02	2.56E-02	1.64E-02	1.82E-02	1.73E-02	1.33E+00
581	488904.24	3861051.87	0.26005	0.1072	0.28984	0.42628	0.0974	0.26594	0.1078	0.1072	1.25E+00	4.56E-03	6.95E-07	1.03E-02	2.10E-02	1.72E-02	1.76E-02	1.68E-02	1.30E+00
582	488954.24	3861051.87	0.25808	0.10864	0.28295	0.48354	0.11545	0.25486	0.1092	0.10864	1.24E+00	4.62E-03	6.79E-07	1.17E-02	2.49E-02	1.65E-02	1.78E-02	1.70E-02	1.30E+00
583	489004.24	3861051.87	0.2572	0.10913	0.26088	0.52102	0.10658	0.24616	0.1096	0.10913	1.23E+00	4.64E-03	6.26E-07	1.26E-02	2.30E-02	1.59E-02	1.79E-02	1.71E-02	1.29E+00
584	488804.24	3861101.87	0.25133	0.1047	0.28524	0.38827	0.07729	0.25296	0.1053	0.1047	1.21E+00	4.45E-03	6.84E-07	9.41E-03	1.67E-02	1.64E-02	1.72E-02	1.64E-02	1.25E+00
585	488854.24	3861101.87	0.25222	0.10505	0.27356	0.40243	0.08206	0.23824	0.1056	0.10505	1.21E+00	4.47E-03	6.56E-07	9.75E-03	1.77E-02	1.54E-02	1.72E-02	1.65E-02	1.26E+00
586	488904.24	3861101.87	0.25064	0.10606	0.26169	0.45646	0.08769	0.25625	0.1064	0.10606	1.20E+00	4.51E-03	6.28E-07	1.11E-02	1.89E-02	1.66E-02	1.74E-02	1.66E-02	1.25E+00
587	488954.24	3861101.87	0.2496	0.10649	0.25405	0.52227	0.10472	0.25294	0.1067	0.10649	1.20E+00	4.53E-03	6.09E-07	1.27E-02	2.26E-02	1.64E-02	1.74E-02	1.67E-02	1.25E+00
588	489004.24	3861101.87	0.2485	0.10727	0.24517	0.60306	0.10704	0.24366	0.1074	0.10727	1.19E+00	4.56E-03	5.88E-07	1.46E-02	2.31E-02	1.58E-02	1.75E-02	1.68E-02	1.25E+00
589	488804.24	3861151.87	0.24197	0.10231	0.25308	0.38491	0.07479	0.25	0.1025	0.10231	1.16E+00	4.35E-03	6.07E-07	9.33E-03	1.61E-02	1.62E-02	1.67E-02	1.60E-02	1.21E+00
590	488854.24	3861151.87	0.24245	0.10282	0.22523	0.42811	0.07956	0.23453	0.103	0.10282	1.16E+00	4.37E-03	5.40E-07	1.04E-02	1.72E-02	1.52E-02	1.68E-02	1.61E-02	1.21E+00
591	489129.49	3861187.55	0.23432	0.10503	0.18889	1.15625	0.09118	0.22519	0.1048	0.10503	1.12E+00	4.47E-03	4.53E-07	2.80E-02	1.97E-02	1.46E-02	1.71E-02	1.65E-02	1.19E+00
592	489179.49	3861187.55	0.23017	0.10566	0.13316	2.09045	0.11799	0.22155	0.1054	0.10566	1.10E+00	4.50E-03	3.19E-07	5.06E-02	2.54E-02	1.43E-02	1.72E-02	1.66E-02	1.20E+00
593	488804.24	3861201.87	0.23495	0.10079	0.23196	0.37727	0.07288	0.23403	0.1008	0.10079	1.13E+00	4.29E-03	5.56E-07	9.14E-03	1.57E-02	1.51E-02	1.65E-02	1.58E-02	1.17E+00
594	488854.24	3861201.87	0.23531	0.10096	0.20819	0.41922	0.07779	0.23073	0.101	0.10096	1.13E+00	4.30E-03	4.99E-07	1.02E-02	1.68E-02	1.49E-02	1.65E-02	1.58E-02	1.18E+00
595	489129.49	3861237.55	0.23002	0.10344	0.1713	1.16626	0.08045	0.19984	0.1032	0.10344	1.10E+00	4.40E-03	4.11E-07	2.83E-02	1.74E-02	1.29E-02	1.68E-02	1.62E-02	1.17E+00
596	489179.49	3861237.55	0.22823	0.10383	0.1182	2.11517	0.10319	0.20066	0.1036	0.10383	1.10E+00	4.42E-03	2.83E-07	5.12E-02	2.23E-02	1.30E-02	1.69E-02	1.63E-02	1.19E+00
597	488804.24	3861251.87	0.22832	0.09935	0.19204	0.37392	0.07098	0.22774	0.0993	0.09935	1.10E+00	4.23E-03	4.61E-07	9.06E-03	1.53E-02	1.47E-02	1.62E-02	1.56E-02	1.14E+00
598	488854.24	3861251.87	0.22888	0.09946	0.19328	0.41475	0.07608	0.22601	0.0993	0.09946	1.10E+00	4.23E-03	4.64E-07	1.00E-02	1.64E-02	1.46E-02	1.62E-02	1.56E-02	1.14E+00
599	488804.24	3861301.87	0.21564	0.09769	0.17943	0.37847	0.06893	0.22075	0.0975	0.09769	1.03E+00	4.16E-03	4.30E-07	9.17E-03	1.49E-02	1.43E-02	1.59E-02	1.53E-02	1.08E+00
600	488854.24	3861301.87	0.22278	0.09794	0.19143	0.41439	0.0743	0.22037	0.0977	0.09794	1.07E+00	4.17E-03	4.59E-07	1.00E-02	1.60E-02	1.43E-02	1.60E-02	1.53E-02	1.11E+00
601	490943.5	3860181.97	0.25461	0.41446	0.29689	0.53119	0.27243	0.37394	0.4138	0.41446	1.22E+00	1.76E-02	7.12E-07	1.29E-02	5.88E-02	2.42E-02	6.75E-02	6.49E-02	1.34E+00
602	490993.5	3860181.97	0.25678	0.44233	0.28992	0.52144	0.28634	0.38546	0.4461	0.44233	1.23E+00	1.88E-02	6.95E-07	1.26E-02	6.18E-02	2.49E-02	7.28E-02	6.93E-02	1.35E+00
603	491043.5	3860181.97	0.25898	0.47751	0.26337	0.53305	0.3083	0.39374	0.4868	0.47751	1.24E+00	2.03E-02	6.32E-07	1.29E-02	6.65E-02	2.55E-02	7.95E-02	7.48E-02	1.37E+00
604	491093.5	3860181.97	0.26224	0.5267	0.26289	0.56813	0.32876	0.39521	0.5357	0.5267	1.26E+00	2.24E-02	6.30E-07	1.38E-02	7.09E-02	2.56E-02	8.74E-02	8.25E-02	1.40E+00
605	490943.5	3860231.97	0.243	0.37585	0.37455	0.46722	0.30292	0.34812	0.3771	0.37585	1.17E+00	1.60E-02	8.98E-07	1.13E-02	6.53E-02	2.25E-02	6.15E-02	5.89E-02	1.28E+00
606	490993.5	3860231.97	0.24583	0.40191	0.31497	0.4748	0.26832	0.35078	0.4046	0.40191	1.18E+00	1.71E-02	7.55E-07	1.15E-02	5.79E-02	2.27E-02	6.60E-02	6.30E-02	1.29E+00
607	491043.5	3860231.97	0.24777	0.42934	0.27423	0.46814	0.27565	0.35973	0.4364	0.42934	1.19E+00	1.83E-02	6.58E-07	1.13E-02	5.95E-02	2.33E-02	7.12E-02	6.73E-02	1.31E+00
608	491093.5	3860231.97	0.25003	0.463	0.26654	0.45856	0.29643	0.37114	0.473	0.463	1.20E+00	1.97E-02	6.39E-07	1.11E-02	6.39E-02	2.40E-02	7.72E-02	7.25E-02	1.32E+00
609	490943.5	3860281.97	0.23165	0.35106	0.37691	0.44516	0.33165	0.32444	0.3523	0.35106	1.11E+00	1.49E-02	9.04E-07	1.08E-02	7.15E-02	2.10E-02	5.75E-02	5.50E-02	1.23E+00
610	490993.5	3860281.97	0.23437	0.37188	0.36357	0.4515	0.29777	0.33745	0.3666	0.37188	1.12E+00	1.58E-02	8.72E-07	1.09E-02	6.42E-02	2.18E-02	5.98E-02	5.83E-02	1.24E+00
611	491043.5	3860281.97	0.2366	0.39418	0.32515	0.44871	0.26278	0.3344	0.3952	0.39418	1.14E+00	1.68E-02	7.80E-07	1.09E-02	5.67E-02	2.16E-02	6.45E-02	6.17E-02	1.24E+00
612	491093.5	3860281.97	0.2388	0.42421	0.2603	0.44041	0.26494	0.3318	0.4305	0.42421	1.15E+00	1.80E-02	6.24E-07	1.07E-02	5.71E-02	2.15E-02	7.03E-02	6.65E-02	1.26E+00
613	490943.5	3860331.97	0.22083	0.32612	0.37067	0.41495	0.34792	0.29491	0.3236	0.32612	1.06E+00	1.39E-02	8.89E-07	1.01E-02	7.50E-02	1.91E-02	5.28E-02	5.11E-02	1.18E+00
614	490993.5	3860331.97	0.22284	0.3407	0.36225	0.42737	0.32093	0.29058	0.3388	0.3407	1.07E+00	1.45E-02	8.69E-07	1.04E-02	6.92E-02	1.88E-02	5.53E-02	5.34E-02	1.18E+00
615	491043.5	3860331.97	0.225	0.36186	0.34657	0.43263	0.29056	0.29012	0.3504	0.36186	1.08E+00	1.54E-02	8.31E-07	1.05E-02	6.27E-02	1.88E-02	5.72E-02	5.67E-02	1.19E+00
616	491093.5	3860331.97	0.22718	0.38235	0.32781	0.43136	0.2569	0.29204	0.3655	0.38235	1.09E+00	1.63E-02	7.86E-07	1.05E-02	5.54E-02	1.89E-02	5.97E-02	5.99E-02	1.19E+00
617	490086.72	3859935.12	0.26239	0.33625	0.70897	0.47445	0.51054	0.34287	0.3449	0.33625	1.26E+00	1.43E-02	1.70E-06	1.15E-02	1.10E-01	2.22E-02	5.63E-02	5.27E-02	1.42E+00
618	490136.72	3859935.12	0.26173	0.34837	0.7504	0.50447	0.45703	0.35305	0.3599	0.34837	1.26E+00	1.48E-02	1.80E-06	1.22E-02	9.86E-02	2.28E-02	5.88E-02	5.46E-02	1.41E+00
619	490186.72	3859935.12	0.26199	0.36843	0.67547	0.51892	0.40554	0.36417	0.3728	0.36843	1.26E+00	1.57E-02	1.62E-06	1.26E-02	8.75E-02	2.36E-02	6.09E-02	5.77E-02	1.40E+00
620	490236.72	3859935.12	0.26334	0.38558	0.64647	0.53534	0.33297	0.3728	0.3871	0.38558	1.26E+00	1.64E-02	1.55E-06	1.30E-02	7.18E-02	2.41E-02	6.32E-02	6.04E-02	1.39E+00
621	490286.72	3859935.12	0.26575	0.40225	0.71816	0.55142	0.31101	0.36569	0.4027	0.40225	1.28E+00	1.71E-02	1.72E-06	1.34E-02	6.71E-02	2.37E-02	6.57E-02	6.30E-02	1.40E+00
622	490336.72	3859935.12	0.26937	0.43495	0.67915	0.60939	0.35665	0.38821	0.4191	0.43495	1.29E+00	1.85E-02	1.63E-06	1.48E-02	7.69E-02	2.51E-02	6.84E-02	6.81E-02	1.43E+00
623	490386.72	3859935.12	0.27426	0.45794	0.69845	0.65325	0.40947	0.41064	0.4454	0.45794	1.32E+00	1.95E-02	1.68E-06	1.58E-02	8.83E-02	2.66E-02	7.27E-02	7.17E-02	1.47E+00

624	490436.72	3859935.12	0.27999	0.4784	0.66735	0.6733	0.44328	0.41878	0.4746	0.4784	1.34E+00	2.04E-02	1.60E-06	1.63E-02	9.56E-02	2.71E-02	7.75E-02	7.49E-02	1.51E+00
625	490486.72	3859935.12	0.28632	0.50441	0.59992	0.69843	0.47738	0.43578	0.5076	0.50441	1.37E+00	2.15E-02	1.44E-06	1.69E-02	1.03E-01	2.82E-02	8.29E-02	7.90E-02	1.55E+00
626	490536.72	3859935.12	0.29316	0.56027	0.5604	0.74121	0.44022	0.46415	0.5483	0.56027	1.41E+00	2.38E-02	1.34E-06	1.80E-02	9.49E-02	3.00E-02	8.95E-02	8.78E-02	1.58E+00
627	490586.72	3859935.12	0.29963	0.61906	0.47097	0.79012	0.40536	0.4987	0.6087	0.61906	1.44E+00	2.63E-02	1.13E-06	1.91E-02	8.74E-02	3.23E-02	9.94E-02	9.70E-02	1.61E+00
628	490636.72	3859935.12	0.30505	0.6777	0.44331	0.80972	0.35776	0.53982	0.6663	0.6777	1.46E+00	2.88E-02	1.06E-06	1.96E-02	7.72E-02	3.49E-02	1.09E-01	1.06E-01	1.63E+00
629	490686.72	3859935.12	0.31171	0.79374	0.44029	0.93052	0.32614	0.61681	0.7715	0.79374	1.50E+00	3.38E-02	1.06E-06	2.25E-02	7.03E-02	3.99E-02	1.26E-01	1.24E-01	1.66E+00
630	490736.72	3859935.12	0.31942	0.91005	0.53183	1.04858	0.35409	0.69307	0.893	0.91005	1.53E+00	3.87E-02	1.28E-06	2.54E-02	7.64E-02	4.48E-02	1.46E-01	1.43E-01	1.72E+00
631	490086.72	3859985.12	0.26493	0.29886	0.64353	0.42195	0.51381	0.3368	0.3213	0.29886	1.27E+00	1.27E-02	1.54E-06	1.02E-02	1.11E-01	2.18E-02	5.24E-02	4.68E-02	1.43E+00
632	490136.72	3859985.12	0.25806	0.30986	0.63541	0.45367	0.49114	0.3442	0.3282	0.30986	1.24E+00	1.32E-02	1.52E-06	1.10E-02	1.06E-01	2.23E-02	5.36E-02	4.85E-02	1.40E+00
633	490186.72	3859985.12	0.25723	0.32256	0.67097	0.48517	0.4356	0.35266	0.3294	0.32256	1.23E+00	1.37E-02	1.61E-06	1.18E-02	9.39E-02	2.28E-02	5.38E-02	5.05E-02	1.38E+00
634	490236.72	3859985.12	0.2573	0.33651	0.61578	0.49614	0.38757	0.36279	0.3399	0.33651	1.23E+00	1.43E-02	1.48E-06	1.20E-02	8.36E-02	2.35E-02	5.55E-02	5.27E-02	1.37E+00
635	490286.72	3859985.12	0.25797	0.35188	0.59529	0.50496	0.31293	0.36969	0.3498	0.35188	1.24E+00	1.50E-02	1.43E-06	1.22E-02	6.75E-02	2.39E-02	5.71E-02	5.51E-02	1.36E+00
636	490336.72	3859985.12	0.25965	0.37247	0.6428	0.51975	0.30439	0.37487	0.3668	0.37247	1.25E+00	1.58E-02	1.54E-06	1.26E-02	6.56E-02	2.43E-02	5.99E-02	5.83E-02	1.37E+00
637	490386.72	3859985.12	0.26217	0.38586	0.63013	0.5658	0.34544	0.37493	0.3836	0.38586	1.26E+00	1.64E-02	1.51E-06	1.37E-02	7.45E-02	2.43E-02	6.26E-02	6.04E-02	1.39E+00
638	490436.72	3859985.12	0.26593	0.40504	0.63233	0.59135	0.39608	0.39066	0.4017	0.40504	1.28E+00	1.72E-02	1.52E-06	1.43E-02	8.54E-02	2.53E-02	6.56E-02	6.35E-02	1.42E+00
639	490486.72	3859985.12	0.2707	0.42701	0.61051	0.62193	0.42966	0.40527	0.4164	0.42701	1.30E+00	1.82E-02	1.46E-06	1.51E-02	9.27E-02	2.62E-02	6.80E-02	6.69E-02	1.45E+00
640	490536.72	3859985.12	0.27629	0.45494	0.56483	0.65305	0.46316	0.41981	0.4581	0.45494	1.33E+00	1.94E-02	1.35E-06	1.58E-02	9.99E-02	2.72E-02	7.48E-02	7.13E-02	1.49E+00
641	490586.72	3859985.12	0.28218	0.48988	0.56252	0.68843	0.43056	0.44439	0.485	0.48988	1.35E+00	2.08E-02	1.35E-06	1.67E-02	9.29E-02	2.88E-02	7.92E-02	7.67E-02	1.52E+00
642	490636.72	3859985.12	0.28792	0.54699	0.44808	0.7095	0.39192	0.46722	0.5259	0.54699	1.38E+00	2.33E-02	1.07E-06	1.72E-02	8.45E-02	3.02E-02	8.58E-02	8.57E-02	1.54E+00
643	490686.72	3859985.12	0.29391	0.61904	0.42344	0.73501	0.35301	0.51726	0.5923	0.61904	1.41E+00	2.63E-02	1.02E-06	1.78E-02	7.61E-02	3.35E-02	9.67E-02	9.70E-02	1.56E+00
644	490736.72	3859985.12	0.29878	0.6779	0.39591	0.79535	0.31269	0.56365	0.6403	0.6779	1.43E+00	2.88E-02	9.50E-07	1.93E-02	6.74E-02	3.65E-02	1.05E-01	1.06E-01	1.58E+00
645	490786.72	3859985.12	0.30557	0.73597	0.39809	0.86201	0.33866	0.62408	0.7147	0.73597	1.47E+00	3.13E-02	9.55E-07	2.09E-02	7.30E-02	4.04E-02	1.17E-01	1.15E-01	1.63E+00
646	490086.72	3860035.12	0.26886	0.27506	0.49867	0.39713	0.46962	0.34589	0.2975	0.27506	1.29E+00	1.17E-02	1.20E-06	9.62E-03	1.01E-01	2.24E-02	4.86E-02	4.31E-02	1.44E+00
647	490136.72	3860035.12	0.26169	0.28691	0.59256	0.40875	0.50606	0.33453	0.3034	0.28691	1.26E+00	1.22E-02	1.42E-06	9.90E-03	1.09E-01	2.16E-02	4.95E-02	4.49E-02	1.41E+00
648	490186.72	3860035.12	0.25497	0.29225	0.57257	0.42109	0.47301	0.32395	0.3095	0.29225	1.22E+00	1.24E-02	1.37E-06	1.02E-02	1.02E-01	2.10E-02	5.05E-02	4.58E-02	1.37E+00
649	490236.72	3860035.12	0.25222	0.2977	0.60441	0.44204	0.41489	0.33336	0.3155	0.2977	1.21E+00	1.27E-02	1.45E-06	1.07E-02	8.95E-02	2.16E-02	5.15E-02	4.66E-02	1.35E+00
650	490286.72	3860035.12	0.2517	0.30803	0.52958	0.47545	0.35993	0.34247	0.324	0.30803	1.21E+00	1.31E-02	1.27E-06	1.15E-02	7.76E-02	2.22E-02	5.29E-02	4.83E-02	1.34E+00
651	490336.72	3860035.12	0.25225	0.32417	0.55129	0.49075	0.29678	0.35354	0.3326	0.32417	1.21E+00	1.38E-02	1.32E-06	1.19E-02	6.40E-02	2.29E-02	5.43E-02	5.08E-02	1.33E+00
652	490386.72	3860035.12	0.2532	0.34346	0.57326	0.49474	0.29708	0.3616	0.3385	0.34346	1.22E+00	1.46E-02	1.37E-06	1.20E-02	6.41E-02	2.34E-02	5.53E-02	5.38E-02	1.33E+00
653	490436.72	3860035.12	0.25524	0.3537	0.5823	0.55081	0.33471	0.37596	0.349	0.3537	1.22E+00	1.50E-02	1.40E-06	1.33E-02	7.22E-02	2.43E-02	5.70E-02	5.54E-02	1.35E+00
654	490486.72	3860035.12	0.25833	0.36622	0.57678	0.57136	0.3837	0.38148	0.3658	0.36622	1.24E+00	1.56E-02	1.38E-06	1.38E-02	8.28E-02	2.47E-02	5.97E-02	5.74E-02	1.38E+00
655	490536.72	3860035.12	0.26251	0.38417	0.58543	0.59178	0.41742	0.3941	0.3834	0.38417	1.26E+00	1.63E-02	1.40E-06	1.43E-02	9.00E-02	2.55E-02	6.26E-02	6.02E-02	1.41E+00
656	490586.72	3860035.12	0.26723	0.40378	0.55325	0.61506	0.4489	0.40989	0.4094	0.40378	1.28E+00	1.72E-02	1.33E-06	1.49E-02	9.68E-02	2.65E-02	6.68E-02	6.33E-02	1.44E+00
657	490636.72	3860035.12	0.27189	0.42349	0.52769	0.63806	0.41893	0.41799	0.4314	0.42349	1.30E+00	1.80E-02	1.27E-06	1.55E-02	9.04E-02	2.70E-02	7.04E-02	6.63E-02	1.46E+00
658	490686.72	3860035.12	0.27709	0.47638	0.46582	0.67216	0.38094	0.4268	0.4575	0.47638	1.33E+00	2.03E-02	1.12E-06	1.63E-02	8.22E-02	2.76E-02	7.47E-02	7.46E-02	1.48E+00
659	490736.72	3860035.12	0.28289	0.53512	0.38923	0.66311	0.34389	0.46642	0.5086	0.53512	1.36E+00	2.28E-02	9.34E-07	1.61E-02	7.42E-02	3.02E-02	8.30E-02	8.38E-02	1.50E+00
660	490786.72	3860035.12	0.28733	0.57327	0.36637	0.68444	0.3034	0.50263	0.545	0.57327	1.38E+00	2.44E-02	8.79E-07	1.66E-02	6.54E-02	3.25E-02	8.90E-02	8.98E-02	1.52E+00
661	490836.72	3860035.12	0.29176	0.61417	0.34793	0.71778	0.32363	0.53946	0.59	0.61417	1.40E+00	2.61E-02	8.34E-07	1.74E-02	6.98E-02	3.49E-02	9.63E-02	9.62E-02	1.55E+00
662	490086.72	3860085.12	0.27384	0.26267	0.44512	0.36258	0.49188	0.35513	0.2935	0.26267	1.31E+00	1.12E-02	1.07E-06	8.78E-03	1.06E-01	2.30E-02	4.79E-02	4.11E-02	1.47E+00
663	490136.72	3860085.12	0.2658	0.26581	0.50323	0.38688	0.46375	0.3513	0.2933	0.26581	1.28E+00	1.13E-02	1.21E-06	9.37E-03	1.00E-01	2.27E-02	4.79E-02	4.16E-02	1.43E+00
664	490186.72	3860085.12	0.25909	0.27232	0.54275	0.39966	0.49985	0.33589	0.2995	0.27232	1.24E+00	1.16E-02	1.30E-06	9.68E-03	1.08E-01	2.17E-02	4.89E-02	4.27E-02	1.40E+00
665	490236.72	3860085.12	0.25221	0.28782	0.49597	0.40435	0.45601	0.32778	0.2997	0.28782	1.21E+00	1.22E-02	1.19E-06	9.80E-03	9.83E-02	2.12E-02	4.89E-02	4.51E-02	1.36E+00
666	490286.72	3860085.12	0.24722	0.29675	0.53614	0.40855	0.39546	0.33275	0.3033	0.29675	1.19E+00	1.26E-02	1.29E-06	9.90E-03	8.53E-02	2.15E-02	4.95E-02	4.65E-02	1.32E+00
667	490336.72	3860085.12	0.2464	0.30205	0.46287	0.43093	0.33583	0.33944	0.3102	0.30205	1.18E+00	1.29E-02	1.11E-06	1.04E-02	7.24E-02	2.20E-02	5.06E-02	4.73E-02	1.30E+00
668	490386.72	3860085.12	0.24635	0.30831	0.50657	0.4577	0.28735	0.34751	0.3177	0.30831	1.18E+00	1.31E-02	1.21E-06	1.11E-02	6.20E-02	2.25E-02	5.19E-02	4.83E-02	1.29E+00
669	490436.72	3860085.12	0.24708	0.31963	0.51643	0.47207	0.29023	0.35583	0.3224	0.31963	1.19E+00	1.36E-02	1.24E-06	1.14E-02	6.26E-02	2.30E-02	5.26E-02	5.01E-02	1.30E+00
670	490486.72	3860085.12	0.2486	0.32825	0.52745	0.51943	0.32412	0.35647	0.3279	0.32825	1.19E+00	1.40E-02	1.27E-06	1.26E-02	6.99E-02	2.31E-02	5.35E-02	5.14E-02	1.31E+00
671	490536.72	3860085.12	0.25127	0.34007	0.52889	0.53617	0.37187	0.35779	0.3414	0.34007	1.21E+00	1.45E-02	1.27E-06	1.30E-02	8.02E-02	2.31E-02	5.57E-02	5.33E-02	1.34E+00
672	490586.72	3860085.12	0.25473	0.35419	0.55609	0.55467	0.40482	0.37383	0.3598	0.35419	1.22E+00	1.51E-02	1.33E-06	1.34E-02	8.73E-02	2.42E-02	5.87E-02	5.55E-02	1.37E+00
673	490636.72	3860085.12	0.25859	0.36887	0.52099	0.57111	0.43397	0.37463	0.3742	0.36887	1.24E+00	1.57E-02	1.25E-06	1.38E-02	9.36E-02	2.42E-02	6.11E-02	5.78E-02	1.39E+00
674	490686.72	3860085.12	0.26307	0.39191	0.49844	0.59292	0.41002	0.38297	0.4	0.39191	1.26E+00	1.67E-02	1.20E-06	1.44E-02	8.84E-02	2.48E-02	6.53E-02	6.14E-02	1.41E+00
675	490736.72	3860085.12	0.26777	0.41892	0.46978	0.61954	0.37294	0.40418	0.4241	0.41892	1.29E+00	1.78E-02	1.13E-06	1.50E-02	8.04E-02	2.62E-02	6.92E-02	6.56E-02	1.43E+00
676	490786.72	3860085.12	0.27213	0.46628	0.38029	0.62958	0.33491	0.42695	0.4544	0.46628	1.31E+00	1.98E-02	9.12E-07	1.53E-02	7.22E-02	2.76E-02	7.42E-02	7.30E-02	1.44E+00
677	490836.72	3860085.12	0.27543	0.49066	0.34677	0.60783	0.29542	0.4436	0.4882	0.49066	1.32E+00	2.09E-02	8.32E-07	1.47E-02	6.37E-02	2.87E-02	7.97E-02	7.69E-02	1.45E+00
678	490086.72	3860135.12	0.27651	0.24838	0.40622	0.3514	0.50447	0.33925	0.2641	0.24838	1.33E+00	1.06E-02	9.74E-07	8.51E-03	1.09E-01	2.20E-02	4.31E-02	3.89E-02	1.48E+00
679	490136.72	3860135.12	0.26984	0.25273	0.40239	0.35516	0.4702	0.34419	0.2754	0.25273	1.29E+00	1.08E-02	9.65E-07	8.60E-03	1.01E-01	2.23E-02	4.50E-02	3.96E-02	1.44E+00
680	490186.72	3860135.12	0.26313	0.25775	0.48652	0.3651	0.45838	0.34461	0.2813	0.25775	1.26E+00	1.10E-02	1.17E-06	8.85E-03	9.89E-02	2.23E-02	4.59E-02	4.04E-02	1.41E+00

681	490236.72	3860135.12	0.25611	0.26242	0.47264	0.36771	0.48313	0.34168	0.2854	0.26242	1.23E+00	1.12E-02	1.13E-06	8.91E-03	1.04E-01	2.21E-02	4.66E-02	4.11E-02	1.38E+00
682	490286.72	3860135.12	0.24921	0.27167	0.46751	0.37158	0.43584	0.32717	0.2905	0.27167	1.20E+00	1.16E-02	1.12E-06	9.00E-03	9.40E-02	2.12E-02	4.74E-02	4.26E-02	1.34E+00
683	490336.72	3860135.12	0.24205	0.27994	0.47514	0.37555	0.37611	0.32575	0.2957	0.27994	1.16E+00	1.19E-02	1.14E-06	9.10E-03	8.11E-02	2.11E-02	4.83E-02	4.39E-02	1.29E+00
684	490386.72	3860135.12	0.24106	0.28605	0.40715	0.39508	0.31889	0.33146	0.3004	0.28605	1.16E+00	1.22E-02	9.76E-07	9.57E-03	6.88E-02	2.14E-02	4.90E-02	4.48E-02	1.27E+00
685	490436.72	3860135.12	0.24065	0.29173	0.4669	0.42754	0.28083	0.3319	0.305	0.29173	1.15E+00	1.24E-02	1.12E-06	1.04E-02	6.06E-02	2.15E-02	4.98E-02	4.57E-02	1.26E+00
686	490486.72	3860135.12	0.24109	0.30346	0.46788	0.45091	0.28353	0.33074	0.3116	0.30346	1.16E+00	1.29E-02	1.12E-06	1.09E-02	6.12E-02	2.14E-02	5.09E-02	4.75E-02	1.27E+00
687	490536.72	3860135.12	0.24249	0.31977	0.48425	0.49596	0.31483	0.3323	0.319	0.31977	1.16E+00	1.36E-02	1.16E-06	1.20E-02	6.79E-02	2.15E-02	5.21E-02	5.01E-02	1.28E+00
688	490586.72	3860135.12	0.24453	0.32996	0.48755	0.509	0.36064	0.34112	0.3288	0.32996	1.17E+00	1.40E-02	1.17E-06	1.23E-02	7.78E-02	2.21E-02	5.37E-02	5.17E-02	1.30E+00
689	490636.72	3860135.12	0.24725	0.34135	0.52597	0.52122	0.39252	0.35811	0.3404	0.34135	1.19E+00	1.45E-02	1.26E-06	1.26E-02	8.47E-02	2.32E-02	5.56E-02	5.35E-02	1.32E+00
690	490686.72	3860135.12	0.2505	0.35384	0.48687	0.5325	0.42028	0.36489	0.3518	0.35384	1.20E+00	1.51E-02	1.17E-06	1.29E-02	9.06E-02	2.36E-02	5.74E-02	5.54E-02	1.35E+00
691	490736.72	3860135.12	0.25422	0.37019	0.46551	0.54638	0.40014	0.37208	0.3687	0.37019	1.22E+00	1.58E-02	1.12E-06	1.32E-02	8.63E-02	2.41E-02	6.02E-02	5.80E-02	1.36E+00
692	490786.72	3860135.12	0.25825	0.39232	0.44786	0.56683	0.36229	0.38387	0.4001	0.39232	1.24E+00	1.67E-02	1.07E-06	1.37E-02	7.81E-02	2.48E-02	6.53E-02	6.15E-02	1.38E+00
693	490836.72	3860135.12	0.26148	0.41425	0.39093	0.57995	0.32572	0.38535	0.4178	0.41425	1.25E+00	1.76E-02	9.38E-07	1.41E-02	7.02E-02	2.49E-02	6.82E-02	6.49E-02	1.38E+00
694	490086.72	3860185.12	0.28002	0.23445	0.35741	0.33208	0.5151	0.3194	0.238	0.23445	1.34E+00	9.98E-03	8.57E-07	8.05E-03	1.11E-01	2.07E-02	3.88E-02	3.67E-02	1.50E+00
695	490136.72	3860185.12	0.27386	0.24207	0.34986	0.33077	0.48774	0.31186	0.2552	0.24207	1.31E+00	1.03E-02	8.39E-07	8.01E-03	1.05E-01	2.02E-02	4.17E-02	3.79E-02	1.46E+00
696	490186.72	3860185.12	0.26729	0.246	0.42645	0.3417	0.45327	0.31795	0.2603	0.246	1.28E+00	1.05E-02	1.02E-06	8.28E-03	9.78E-02	2.06E-02	4.25E-02	3.85E-02	1.42E+00
697	490236.72	3860185.12	0.26038	0.24971	0.45986	0.35799	0.45198	0.31864	0.2642	0.24971	1.25E+00	1.06E-02	1.10E-06	8.67E-03	9.75E-02	2.06E-02	4.31E-02	3.91E-02	1.39E+00
698	490286.72	3860185.12	0.25343	0.254	0.42934	0.35834	0.46545	0.31687	0.2683	0.254	1.22E+00	1.08E-02	1.03E-06	8.68E-03	1.00E-01	2.05E-02	4.38E-02	3.98E-02	1.36E+00
699	490336.72	3860185.12	0.2463	0.25844	0.44721	0.35758	0.41517	0.31309	0.2726	0.25844	1.18E+00	1.10E-02	1.07E-06	8.66E-03	8.95E-02	2.03E-02	4.45E-02	4.05E-02	1.32E+00
700	490386.72	3860185.12	0.23902	0.26438	0.41211	0.36689	0.35734	0.31799	0.2773	0.26438	1.15E+00	1.12E-02	9.88E-07	8.89E-03	7.71E-02	2.06E-02	4.53E-02	4.14E-02	1.27E+00
701	490436.72	3860185.12	0.23557	0.26994	0.38802	0.37806	0.30258	0.31105	0.2852	0.26994	1.13E+00	1.15E-02	9.31E-07	9.16E-03	6.53E-02	2.01E-02	4.66E-02	4.23E-02	1.24E+00
702	490486.72	3860185.12	0.23504	0.27558	0.42601	0.39594	0.27478	0.31517	0.2927	0.27558	1.13E+00	1.17E-02	1.02E-06	9.59E-03	5.93E-02	2.04E-02	4.78E-02	4.32E-02	1.23E+00
703	490536.72	3860185.12	0.23527	0.2867	0.42992	0.43206	0.27746	0.32046	0.2965	0.2867	1.13E+00	1.22E-02	1.03E-06	1.05E-02	5.98E-02	2.07E-02	4.84E-02	4.49E-02	1.24E+00
704	490586.72	3860185.12	0.23631	0.30415	0.44713	0.47343	0.30571	0.32722	0.3072	0.30415	1.13E+00	1.29E-02	1.07E-06	1.15E-02	6.59E-02	2.12E-02	5.01E-02	4.76E-02	1.25E+00
705	490636.72	3860185.12	0.23772	0.31246	0.45079	0.47923	0.34967	0.33246	0.3161	0.31246	1.14E+00	1.33E-02	1.08E-06	1.16E-02	7.54E-02	2.15E-02	5.16E-02	4.89E-02	1.27E+00
706	490686.72	3860185.12	0.23997	0.32681	0.49803	0.48773	0.38113	0.34033	0.3208	0.32681	1.15E+00	1.39E-02	1.19E-06	1.18E-02	8.22E-02	2.20E-02	5.24E-02	5.12E-02	1.28E+00
707	490736.72	3860185.12	0.24245	0.34259	0.48868	0.49238	0.40698	0.34514	0.3339	0.34259	1.16E+00	1.46E-02	1.17E-06	1.19E-02	8.78E-02	2.23E-02	5.45E-02	5.37E-02	1.30E+00
708	490786.72	3860185.12	0.24556	0.36074	0.45473	0.50314	0.39087	0.35355	0.349	0.36074	1.18E+00	1.53E-02	1.09E-06	1.22E-02	8.43E-02	2.29E-02	5.70E-02	5.65E-02	1.31E+00
709	490836.72	3860185.12	0.24872	0.37648	0.42279	0.51507	0.34913	0.36218	0.3687	0.37648	1.19E+00	1.60E-02	1.01E-06	1.25E-02	7.53E-02	2.34E-02	6.02E-02	5.90E-02	1.32E+00
710	490086.72	3860235.12	0.28173	0.22501	0.29079	0.32012	0.52143	0.30203	0.2258	0.22501	1.35E+00	9.57E-03	6.97E-07	7.76E-03	1.12E-01	1.95E-02	3.69E-02	3.52E-02	1.50E+00
711	490136.72	3860235.12	0.27763	0.22794	0.32824	0.31677	0.50002	0.29869	0.2297	0.22794	1.33E+00	9.70E-03	7.87E-07	7.67E-03	1.08E-01	1.93E-02	3.75E-02	3.57E-02	1.48E+00
712	490186.72	3860235.12	0.2713	0.23196	0.31566	0.31409	0.47121	0.29722	0.2422	0.23196	1.30E+00	9.87E-03	7.57E-07	7.61E-03	1.02E-01	1.92E-02	3.95E-02	3.63E-02	1.44E+00
713	490236.72	3860235.12	0.26463	0.23851	0.40603	0.33257	0.43596	0.2922	0.2461	0.23851	1.27E+00	1.01E-02	9.74E-07	8.06E-03	9.40E-02	1.89E-02	4.02E-02	3.74E-02	1.40E+00
714	490286.72	3860235.12	0.2578	0.24228	0.41881	0.34496	0.44581	0.29759	0.2499	0.24228	1.24E+00	1.03E-02	1.00E-06	8.36E-03	9.61E-02	1.93E-02	4.08E-02	3.80E-02	1.37E+00
715	490336.72	3860235.12	0.25084	0.24592	0.39441	0.34264	0.44841	0.30374	0.254	0.24592	1.20E+00	1.05E-02	9.46E-07	8.30E-03	9.67E-02	1.97E-02	4.15E-02	3.85E-02	1.34E+00
716	490386.72	3860235.12	0.24368	0.24996	0.40665	0.34706	0.39594	0.30551	0.258	0.24996	1.17E+00	1.06E-02	9.75E-07	8.41E-03	8.54E-02	1.98E-02	4.21E-02	3.92E-02	1.30E+00
717	490436.72	3860235.12	0.23652	0.2551	0.36147	0.35592	0.33593	0.30212	0.263	0.2551	1.14E+00	1.09E-02	8.67E-07	8.62E-03	7.25E-02	1.95E-02	4.29E-02	4.00E-02	1.25E+00
718	490486.72	3860235.12	0.22993	0.26171	0.35878	0.35469	0.28756	0.30851	0.2744	0.26171	1.10E+00	1.11E-02	8.60E-07	8.59E-03	6.20E-02	2.00E-02	4.48E-02	4.10E-02	1.21E+00
719	490536.72	3860235.12	0.22929	0.27159	0.3921	0.37054	0.26923	0.30972	0.2822	0.27159	1.10E+00	1.16E-02	9.40E-07	8.98E-03	5.81E-02	2.00E-02	4.61E-02	4.25E-02	1.20E+00
720	490586.72	3860235.12	0.22924	0.28085	0.41078	0.41482	0.27175	0.31453	0.2883	0.28085	1.10E+00	1.19E-02	9.85E-07	1.00E-02	5.86E-02	2.04E-02	4.71E-02	4.40E-02	1.20E+00
721	490636.72	3860235.12	0.22975	0.28799	0.41445	0.44049	0.29654	0.31924	0.3006	0.28799	1.10E+00	1.23E-02	9.94E-07	1.07E-02	6.40E-02	2.07E-02	4.91E-02	4.51E-02	1.21E+00
722	490686.72	3860235.12	0.23086	0.30673	0.42005	0.44459	0.33967	0.32409	0.3141	0.30673	1.11E+00	1.31E-02	1.01E-06	1.08E-02	7.33E-02	2.10E-02	5.13E-02	4.80E-02	1.23E+00
723	490736.72	3860235.12	0.23244	0.32091	0.46997	0.44799	0.36991	0.32838	0.3159	0.32091	1.12E+00	1.37E-02	1.13E-06	1.09E-02	7.98E-02	2.12E-02	5.16E-02	5.03E-02	1.24E+00
724	490786.72	3860235.12	0.23449	0.33644	0.48779	0.45161	0.39478	0.33236	0.3225	0.33644	1.13E+00	1.43E-02	1.17E-06	1.09E-02	8.51E-02	2.15E-02	5.26E-02	5.27E-02	1.26E+00
725	490086.72	3860285.12	0.27164	0.21934	0.28204	0.30935	0.52175	0.27699	0.2193	0.21934	1.30E+00	9.33E-03	6.76E-07	7.49E-03	1.13E-01	1.79E-02	3.58E-02	3.44E-02	1.45E+00
726	490136.72	3860285.12	0.27258	0.22303	0.30197	0.30622	0.5074	0.27501	0.2249	0.22303	1.31E+00	9.49E-03	7.24E-07	7.42E-03	1.09E-01	1.78E-02	3.67E-02	3.49E-02	1.45E+00
727	490186.72	3860285.12	0.2728	0.2261	0.28786	0.30311	0.48433	0.28001	0.2268	0.2261	1.31E+00	9.62E-03	6.90E-07	7.34E-03	1.04E-01	1.81E-02	3.70E-02	3.54E-02	1.45E+00
728	490236.72	3860285.12	0.26882	0.2283	0.33737	0.30578	0.45492	0.28652	0.2308	0.2283	1.29E+00	9.71E-03	8.09E-07	7.41E-03	9.81E-02	1.85E-02	3.77E-02	3.58E-02	1.43E+00
729	490286.72	3860285.12	0.2621	0.23067	0.40269	0.32384	0.41928	0.28872	0.2342	0.23067	1.26E+00	9.81E-03	9.66E-07	7.85E-03	9.04E-02	1.87E-02	3.82E-02	3.61E-02	1.39E+00
730	490336.72	3860285.12	0.25528	0.2352	0.38103	0.32275	0.43961	0.29345	0.2376	0.2352	1.23E+00	1.00E-02	9.14E-07	7.82E-03	9.48E-02	1.90E-02	3.88E-02	3.68E-02	1.36E+00
731	490386.72	3860285.12	0.24841	0.23868	0.37348	0.32228	0.4322	0.29583	0.2418	0.23868	1.19E+00	1.02E-02	8.96E-07	7.81E-03	9.32E-02	1.91E-02	3.95E-02	3.74E-02	1.32E+00
732	490436.72	3860285.12	0.24128	0.24324	0.35849	0.32596	0.37771	0.29573	0.2461	0.24324	1.16E+00	1.03E-02	8.60E-07	7.90E-03	8.15E-02	1.91E-02	4.02E-02	3.81E-02	1.28E+00
733	490486.72	3860285.12	0.23424	0.25036	0.33792	0.32545	0.32182	0.29337	0.2531	0.25036	1.12E+00	1.07E-02	8.10E-07	7.88E-03	6.94E-02	1.90E-02	4.13E-02	3.92E-02	1.23E+00
734	490536.72	3860285.12	0.22721	0.25613	0.34263	0.32677	0.27334	0.29525	0.2644	0.25613	1.09E+00	1.09E-02	8.22E-07	7.92E-03	5.90E-02	1.91E-02	4.32E-02	4.01E-02	1.19E+00
735	490586.72	3860285.12	0.22287	0.26152	0.36258	0.3563	0.25823	0.29165	0.2722	0.26152	1.07E+00	1.11E-02	8.70E-07	8.63E-03	5.57E-02	1.89E-02	4.44E-02	4.10E-02	1.17E+00
736	490636.72	3860285.12	0.22253	0.26852	0.39124	0.396	0.2658	0.28875	0.2831	0.26852	1.07E+00	1.14E-02	9.38E-07	9.59E-03	5.73E-02	1.87E-02	4.62E-02	4.21E-02	1.17E+00
737	490686.72	3860285.12	0.22279	0.27762	0.38658	0.39718	0.28781	0.2985	0.2947	0.27762	1.07E+00	1.18E-02	9.27E-07	9.62E-03	6.21E-02	1.93E-02	4.81E-02	4.35E-02	1.18E+00

738	490736.72	3860285.12	0.2235	0.28795	0.39431	0.39696	0.32955	0.30471	0.3077	0.28795	1.07E+00	1.23E-02	9.46E-07	9.62E-03	7.11E-02	1.97E-02	5.02E-02	4.51E-02	1.19E+00
739	490786.72	3860285.12	0.2248	0.31461	0.4442	0.39966	0.35944	0.30814	0.3153	0.31461	1.08E+00	1.34E-02	1.07E-06	9.68E-03	7.75E-02	1.99E-02	5.15E-02	4.93E-02	1.20E+00
740	490086.72	3860335.12	0.2712	0.20887	0.28009	0.29951	0.51644	0.2755	0.2072	0.20887	1.30E+00	8.89E-03	6.72E-07	7.26E-03	1.11E-01	1.78E-02	3.38E-02	3.27E-02	1.45E+00
741	490136.72	3860335.12	0.26507	0.21242	0.28684	0.29629	0.49733	0.27173	0.211	0.21242	1.27E+00	9.04E-03	6.88E-07	7.18E-03	1.07E-01	1.76E-02	3.44E-02	3.33E-02	1.41E+00
742	490186.72	3860335.12	0.26278	0.21607	0.28257	0.29263	0.49296	0.27622	0.2294	0.21607	1.26E+00	9.19E-03	6.78E-07	7.09E-03	1.06E-01	1.79E-02	3.74E-02	3.38E-02	1.41E+00
743	490236.72	3860335.12	0.26366	0.21995	0.28645	0.28981	0.46948	0.28292	0.2318	0.21995	1.27E+00	9.36E-03	6.87E-07	7.02E-03	1.01E-01	1.83E-02	3.78E-02	3.45E-02	1.40E+00
744	490286.72	3860335.12	0.26381	0.22331	0.34687	0.28615	0.43867	0.28846	0.2313	0.22331	1.27E+00	9.50E-03	8.32E-07	6.93E-03	9.46E-02	1.87E-02	3.77E-02	3.50E-02	1.40E+00
745	490336.72	3860335.12	0.25967	0.22635	0.374	0.28643	0.40323	0.28782	0.2344	0.22635	1.25E+00	9.63E-03	8.97E-07	6.94E-03	8.70E-02	1.86E-02	3.83E-02	3.55E-02	1.37E+00
746	490386.72	3860335.12	0.25293	0.22934	0.34507	0.2912	0.43387	0.27869	0.2362	0.22934	1.21E+00	9.76E-03	8.28E-07	7.05E-03	9.36E-02	1.80E-02	3.86E-02	3.59E-02	1.34E+00
747	490436.72	3860335.12	0.24603	0.23302	0.3499	0.29318	0.41417	0.2824	0.2374	0.23302	1.18E+00	9.91E-03	8.39E-07	7.10E-03	8.93E-02	1.83E-02	3.87E-02	3.65E-02	1.31E+00
748	490486.72	3860335.12	0.23902	0.23734	0.33153	0.29151	0.35913	0.28386	0.2404	0.23734	1.15E+00	1.01E-02	7.95E-07	7.06E-03	7.75E-02	1.84E-02	3.92E-02	3.72E-02	1.26E+00
749	490536.72	3860335.12	0.23219	0.24263	0.31769	0.2867	0.30863	0.28326	0.2483	0.24263	1.11E+00	1.03E-02	7.62E-07	6.95E-03	6.66E-02	1.83E-02	4.05E-02	3.80E-02	1.22E+00
750	490586.72	3860335.12	0.22526	0.24798	0.3269	0.31346	0.25999	0.28046	0.2575	0.24798	1.08E+00	1.06E-02	7.84E-07	7.59E-03	5.61E-02	1.81E-02	4.20E-02	3.88E-02	1.18E+00
751	490636.72	3860335.12	0.21842	0.25498	0.3468	0.3434	0.24751	0.28074	0.2675	0.25498	1.05E+00	1.08E-02	8.32E-07	8.32E-03	5.34E-02	1.82E-02	4.37E-02	3.99E-02	1.14E+00
752	490686.72	3860335.12	0.21553	0.26328	0.37342	0.34178	0.26037	0.2807	0.278	0.26328	1.03E+00	1.12E-02	8.96E-07	8.28E-03	5.62E-02	1.82E-02	4.54E-02	4.12E-02	1.13E+00
753	490736.72	3860335.12	0.2155	0.27268	0.36265	0.33798	0.27945	0.28312	0.2895	0.27268	1.03E+00	1.16E-02	8.70E-07	8.19E-03	6.03E-02	1.83E-02	4.72E-02	4.27E-02	1.14E+00
754	490786.72	3860335.12	0.21616	0.28435	0.37325	0.36332	0.32065	0.29542	0.3012	0.28435	1.04E+00	1.21E-02	8.95E-07	8.80E-03	6.92E-02	1.91E-02	4.92E-02	4.45E-02	1.15E+00
755	490086.72	3860385.12	0.2704	0.21093	0.26835	0.28546	0.5065	0.26164	0.1974	0.21093	1.30E+00	8.97E-03	6.44E-07	6.92E-03	1.09E-01	1.69E-02	3.22E-02	3.30E-02	1.44E+00
756	490136.72	3860385.12	0.26607	0.21262	0.27253	0.27707	0.50657	0.26487	0.2021	0.21262	1.28E+00	9.05E-03	6.54E-07	6.71E-03	1.09E-01	1.71E-02	3.30E-02	3.33E-02	1.42E+00
757	490186.72	3860385.12	0.2599	0.21377	0.2852	0.27901	0.47119	0.27137	0.2065	0.21377	1.25E+00	9.10E-03	6.84E-07	6.76E-03	1.02E-01	1.76E-02	3.37E-02	3.35E-02	1.38E+00
758	490236.72	3860385.12	0.25429	0.21476	0.27916	0.27442	0.47878	0.27868	0.2154	0.21476	1.22E+00	9.14E-03	6.70E-07	6.65E-03	1.03E-01	1.80E-02	3.52E-02	3.36E-02	1.36E+00
759	490286.72	3860385.12	0.25376	0.21682	0.28447	0.27674	0.45365	0.28352	0.2179	0.21682	1.22E+00	9.23E-03	6.82E-07	6.70E-03	9.78E-02	1.83E-02	3.56E-02	3.40E-02	1.35E+00
760	490336.72	3860385.12	0.25445	0.21885	0.32644	0.27571	0.42286	0.28783	0.2281	0.21885	1.22E+00	9.31E-03	7.83E-07	6.68E-03	9.12E-02	1.86E-02	3.72E-02	3.43E-02	1.35E+00
761	490386.72	3860385.12	0.25471	0.22094	0.33162	0.27257	0.39683	0.28857	0.2385	0.22094	1.22E+00	9.40E-03	7.95E-07	6.60E-03	8.56E-02	1.87E-02	3.89E-02	3.46E-02	1.35E+00
762	490436.72	3860385.12	0.2506	0.22389	0.31144	0.27104	0.42796	0.27437	0.2414	0.22389	1.20E+00	9.53E-03	7.47E-07	6.57E-03	9.23E-02	1.78E-02	3.94E-02	3.51E-02	1.33E+00
763	490486.72	3860385.12	0.24387	0.22768	0.32539	0.27679	0.39608	0.27063	0.2416	0.22768	1.17E+00	9.69E-03	7.80E-07	6.71E-03	8.54E-02	1.75E-02	3.94E-02	3.57E-02	1.29E+00
764	490536.72	3860385.12	0.23705	0.23534	0.3098	0.27814	0.33615	0.27221	0.2432	0.23534	1.14E+00	1.00E-02	7.43E-07	6.74E-03	7.25E-02	1.76E-02	3.97E-02	3.69E-02	1.25E+00
765	490586.72	3860385.12	0.23027	0.24166	0.29546	0.2751	0.294	0.27367	0.2444	0.24166	1.11E+00	1.03E-02	7.09E-07	6.66E-03	6.34E-02	1.77E-02	3.99E-02	3.79E-02	1.21E+00
766	490636.72	3860385.12	0.22344	0.2466	0.31398	0.29725	0.24852	0.27478	0.2531	0.2466	1.07E+00	1.05E-02	7.53E-07	7.20E-03	5.36E-02	1.78E-02	4.13E-02	3.86E-02	1.16E+00
767	490686.72	3860385.12	0.21667	0.25122	0.33158	0.29599	0.23996	0.2764	0.2627	0.25122	1.04E+00	1.07E-02	7.95E-07	7.17E-03	5.18E-02	1.79E-02	4.29E-02	3.94E-02	1.13E+00
768	490736.72	3860385.12	0.2096	0.25882	0.35607	0.29496	0.25505	0.27308	0.2731	0.25882	1.01E+00	1.10E-02	8.54E-07	7.15E-03	5.50E-02	1.77E-02	4.46E-02	4.05E-02	1.10E+00
769	490786.72	3860385.12	0.20814	0.26803	0.34182	0.32133	0.27159	0.27839	0.2843	0.26803	9.99E-01	1.14E-02	8.20E-07	7.78E-03	5.86E-02	1.80E-02	4.64E-02	4.20E-02	1.10E+00
770	490136.72	3860435.12	0.25186	0.21853	0.26072	0.26719	0.49776	0.24899	0.2237	0.21853	1.21E+00	9.30E-03	6.25E-07	6.47E-03	1.07E-01	1.61E-02	3.65E-02	3.42E-02	1.35E+00
771	490186.72	3860435.12	0.2524	0.21488	0.28002	0.26074	0.49514	0.25066	0.2147	0.21488	1.21E+00	9.14E-03	6.72E-07	6.32E-03	1.07E-01	1.62E-02	3.51E-02	3.37E-02	1.35E+00
772	490236.72	3860435.12	0.25276	0.20961	0.28329	0.25611	0.47087	0.25334	0.2059	0.20961	1.21E+00	8.92E-03	6.79E-07	6.20E-03	1.02E-01	1.64E-02	3.36E-02	3.28E-02	1.35E+00
773	490286.72	3860435.12	0.24954	0.21092	0.27582	0.25949	0.46437	0.25642	0.2195	0.21092	1.20E+00	8.97E-03	6.62E-07	6.29E-03	1.00E-01	1.66E-02	3.58E-02	3.30E-02	1.33E+00
774	490336.72	3860435.12	0.24421	0.21222	0.28278	0.26922	0.43825	0.26401	0.2288	0.21222	1.17E+00	9.03E-03	6.78E-07	6.52E-03	9.45E-02	1.71E-02	3.73E-02	3.32E-02	1.30E+00
775	490386.72	3860435.12	0.24492	0.21394	0.32875	0.26637	0.40744	0.27299	0.2261	0.21394	1.18E+00	9.10E-03	7.88E-07	6.45E-03	8.79E-02	1.77E-02	3.69E-02	3.35E-02	1.30E+00
776	490436.72	3860435.12	0.24568	0.21748	0.30727	0.26327	0.39236	0.27996	0.2354	0.21748	1.18E+00	9.25E-03	7.37E-07	6.38E-03	8.46E-02	1.81E-02	3.84E-02	3.41E-02	1.30E+00
777	490486.72	3860435.12	0.24613	0.22153	0.3003	0.26085	0.42217	0.27608	0.2368	0.22153	1.18E+00	9.43E-03	7.20E-07	6.32E-03	9.11E-02	1.79E-02	3.87E-02	3.47E-02	1.31E+00
778	490536.72	3860435.12	0.24175	0.22259	0.30239	0.25644	0.37858	0.27021	0.2361	0.22259	1.16E+00	9.47E-03	7.25E-07	6.21E-03	8.17E-02	1.75E-02	3.85E-02	3.49E-02	1.28E+00
779	490586.72	3860435.12	0.23502	0.23163	0.28658	0.26224	0.31433	0.27225	0.247	0.23163	1.13E+00	9.86E-03	6.87E-07	6.35E-03	6.78E-02	1.76E-02	4.03E-02	3.63E-02	1.23E+00
780	490636.72	3860435.12	0.22829	0.23416	0.27863	0.26698	0.27979	0.27381	0.2505	0.23416	1.10E+00	9.96E-03	6.68E-07	6.47E-03	6.03E-02	1.77E-02	4.09E-02	3.67E-02	1.19E+00
781	490686.72	3860435.12	0.22162	0.24862	0.29644	0.27053	0.24376	0.27492	0.252	0.24862	1.06E+00	1.06E-02	7.11E-07	6.55E-03	5.26E-02	1.78E-02	4.11E-02	3.89E-02	1.15E+00
782	490736.72	3860435.12	0.2149	0.25445	0.31633	0.27435	0.23454	0.26645	0.2584	0.25445	1.03E+00	1.08E-02	7.59E-07	6.65E-03	5.06E-02	1.72E-02	4.22E-02	3.99E-02	1.12E+00
783	490786.72	3860435.12	0.20786	0.26032	0.33963	0.28439	0.24999	0.26016	0.2689	0.26032	9.98E-01	1.11E-02	8.15E-07	6.89E-03	5.39E-02	1.68E-02	4.39E-02	4.08E-02	1.09E+00
784	490136.72	3860485.12	0.23236	0.20934	0.26319	0.25465	0.48591	0.23694	0.2289	0.20934	1.12E+00	8.91E-03	6.31E-07	6.17E-03	1.05E-01	1.53E-02	3.74E-02	3.28E-02	1.25E+00
785	490186.72	3860485.12	0.23315	0.21263	0.25382	0.25612	0.48918	0.2407	0.2323	0.21263	1.12E+00	9.05E-03	6.09E-07	6.20E-03	1.06E-01	1.56E-02	3.79E-02	3.33E-02	1.26E+00
786	490236.72	3860485.12	0.23414	0.21596	0.28841	0.25068	0.47535	0.24433	0.2349	0.21596	1.12E+00	9.19E-03	6.92E-07	6.07E-03	1.03E-01	1.58E-02	3.83E-02	3.38E-02	1.26E+00
787	490286.72	3860485.12	0.23527	0.21997	0.28067	0.24828	0.46983	0.24835	0.2342	0.21997	1.13E+00	9.36E-03	6.73E-07	6.02E-03	1.01E-01	1.61E-02	3.82E-02	3.45E-02	1.27E+00
788	490336.72	3860485.12	0.23614	0.22381	0.27255	0.24986	0.45005	0.25187	0.2251	0.22381	1.13E+00	9.52E-03	6.54E-07	6.05E-03	9.71E-02	1.63E-02	3.67E-02	3.51E-02	1.26E+00
789	490386.72	3860485.12	0.23683	0.21601	0.28043	0.24889	0.42393	0.25567	0.2304	0.21601	1.14E+00	9.19E-03	6.73E-07	6.03E-03	9.14E-02	1.65E-02	3.76E-02	3.38E-02	1.26E+00
790	490436.72	3860485.12	0.23591	0.21217	0.30822	0.24807	0.39354	0.25964	0.2417	0.21217	1.13E+00	9.03E-03	7.39E-07	6.01E-03	8.49E-02	1.68E-02	3.95E-02	3.32E-02	1.26E+00
791	490486.72	3860485.12	0.23704	0.21435	0.29427	0.25153	0.3885	0.26261	0.2406	0.21435	1.14E+00	9.12E-03	7.06E-07	6.09E-03	8.38E-02	1.70E-02	3.93E-02	3.36E-02	1.26E+00
792	490536.72	3860485.12	0.23686	0.21778	0.29426	0.25052	0.41019	0.26519	0.2422	0.21778	1.14E+00	9.27E-03	7.06E-07	6.07E-03	8.85E-02	1.72E-02	3.95E-02	3.41E-02	1.26E+00
793	490586.72	3860485.12	0.23635	0.22414	0.27992	0.25149	0.35738	0.26745	0.2424	0.22414	1.13E+00	9.54E-03	6.71E-07	6.09E-03	7.71E-02	1.73E-02	3.96E-02	3.51E-02	1.25E+00
794	490636.72	3860485.12	0.2331	0.23106	0.26336	0.24712	0.29428	0.26947	0.2427	0.23106	1.12E+00	9.83E-03	6.32E-07	5.99E-03	6.35E-02	1.74E-02	3.96E-02	3.62E-02	1.22E+00

795	490686.72	3860485.12	0.22643	0.23394	0.26367	0.25169	0.26649	0.2681	0.243	0.23394	1.09E+00	9.95E-03	6.32E-07	6.10E-03	5.75E-02	1.73E-02	3.97E-02	3.66E-02	1.18E+00
796	490736.72	3860485.12	0.21984	0.2424	0.28168	0.26402	0.23915	0.25682	0.2484	0.2424	1.05E+00	1.03E-02	6.76E-07	6.40E-03	5.16E-02	1.66E-02	4.06E-02	3.80E-02	1.14E+00
797	490786.72	3860485.12	0.21308	0.24553	0.30091	0.26561	0.22904	0.25683	0.2628	0.24553	1.02E+00	1.04E-02	7.22E-07	6.43E-03	4.94E-02	1.66E-02	4.29E-02	3.85E-02	1.11E+00
798	490136.72	3860535.12	0.23109	0.20111	0.23104	0.2434	0.46443	0.22884	0.216	0.20111	1.11E+00	8.56E-03	5.54E-07	5.90E-03	1.00E-01	1.48E-02	3.53E-02	3.15E-02	1.24E+00
799	490186.72	3860535.12	0.22669	0.205	0.24028	0.25024	0.48025	0.23336	0.2214	0.205	1.09E+00	8.72E-03	5.76E-07	6.06E-03	1.04E-01	1.51E-02	3.61E-02	3.21E-02	1.23E+00
800	490236.72	3860535.12	0.22154	0.20757	0.2895	0.24799	0.4795	0.23643	0.2255	0.20757	1.06E+00	8.83E-03	6.94E-07	6.01E-03	1.03E-01	1.53E-02	3.68E-02	3.25E-02	1.20E+00
801	490286.72	3860535.12	0.21927	0.21096	0.28519	0.24089	0.43964	0.24013	0.2297	0.21096	1.05E+00	8.98E-03	6.84E-07	5.84E-03	9.48E-02	1.55E-02	3.75E-02	3.30E-02	1.18E+00
802	490336.72	3860535.12	0.22138	0.21501	0.2775	0.24105	0.45761	0.24415	0.2337	0.21501	1.06E+00	9.15E-03	6.66E-07	5.84E-03	9.87E-02	1.58E-02	3.81E-02	3.37E-02	1.20E+00
803	490386.72	3860535.12	0.22359	0.21964	0.2699	0.24377	0.43708	0.24842	0.2375	0.21964	1.07E+00	9.35E-03	6.47E-07	5.91E-03	9.43E-02	1.61E-02	3.88E-02	3.44E-02	1.20E+00
804	490436.72	3860535.12	0.22569	0.22448	0.27867	0.24235	0.41073	0.25242	0.2408	0.22448	1.08E+00	9.55E-03	6.68E-07	5.87E-03	8.86E-02	1.63E-02	3.93E-02	3.52E-02	1.21E+00
805	490486.72	3860535.12	0.22753	0.22941	0.28652	0.24074	0.37981	0.25598	0.2396	0.22941	1.09E+00	9.76E-03	6.87E-07	5.83E-03	8.19E-02	1.66E-02	3.91E-02	3.59E-02	1.21E+00
806	490536.72	3860535.12	0.22708	0.22603	0.28486	0.24054	0.38682	0.26053	0.2466	0.22603	1.09E+00	9.62E-03	6.83E-07	5.83E-03	8.34E-02	1.69E-02	4.02E-02	3.54E-02	1.21E+00
807	490586.72	3860535.12	0.2265	0.21721	0.27102	0.24163	0.39492	0.26113	0.2475	0.21721	1.09E+00	9.24E-03	6.50E-07	5.85E-03	8.52E-02	1.69E-02	4.04E-02	3.40E-02	1.21E+00
808	490636.72	3860535.12	0.22676	0.22281	0.26044	0.23653	0.33512	0.26318	0.2533	0.22281	1.09E+00	9.48E-03	6.25E-07	5.73E-03	7.23E-02	1.70E-02	4.13E-02	3.49E-02	1.20E+00
809	490686.72	3860535.12	0.22692	0.22979	0.24274	0.23556	0.2756	0.25573	0.2507	0.22979	1.09E+00	9.78E-03	5.82E-07	5.71E-03	5.94E-02	1.65E-02	4.09E-02	3.60E-02	1.19E+00
810	490736.72	3860535.12	0.22466	0.23761	0.24954	0.24429	0.25402	0.25724	0.2518	0.23761	1.08E+00	1.01E-02	5.98E-07	5.92E-03	5.48E-02	1.66E-02	4.11E-02	3.72E-02	1.17E+00
811	490786.72	3860535.12	0.21812	0.24399	0.2675	0.25835	0.23474	0.25483	0.253	0.24399	1.05E+00	1.04E-02	6.42E-07	6.26E-03	5.06E-02	1.65E-02	4.13E-02	3.82E-02	1.13E+00
812	490136.72	3860585.12	0.23247	0.19455	0.21447	0.24147	0.43478	0.22601	0.1983	0.19455	1.12E+00	8.28E-03	5.14E-07	5.85E-03	9.38E-02	1.46E-02	3.24E-02	3.05E-02	1.24E+00
813	490186.72	3860585.12	0.2273	0.19588	0.24555	0.23934	0.46019	0.22621	0.2032	0.19588	1.09E+00	8.33E-03	5.89E-07	5.80E-03	9.93E-02	1.46E-02	3.32E-02	3.07E-02	1.22E+00
814	490236.72	3860585.12	0.22308	0.1997	0.24267	0.24355	0.46981	0.22983	0.2096	0.1997	1.07E+00	8.50E-03	5.82E-07	5.90E-03	1.01E-01	1.49E-02	3.42E-02	3.13E-02	1.20E+00
815	490286.72	3860585.12	0.21872	0.20354	0.28542	0.23902	0.46944	0.23339	0.2157	0.20354	1.05E+00	8.66E-03	6.85E-07	5.79E-03	1.01E-01	1.51E-02	3.52E-02	3.19E-02	1.18E+00
816	490336.72	3860585.12	0.21422	0.20728	0.28182	0.2344	0.42262	0.23669	0.2215	0.20728	1.03E+00	8.82E-03	6.76E-07	5.68E-03	9.11E-02	1.53E-02	3.62E-02	3.25E-02	1.15E+00
817	490386.72	3860585.12	0.21353	0.21127	0.27413	0.23366	0.44493	0.24024	0.2271	0.21127	1.02E+00	8.99E-03	6.57E-07	5.66E-03	9.60E-02	1.55E-02	3.71E-02	3.31E-02	1.15E+00
818	490436.72	3860585.12	0.21598	0.21678	0.26494	0.23184	0.42513	0.24596	0.2333	0.21678	1.04E+00	9.22E-03	6.35E-07	5.62E-03	9.17E-02	1.59E-02	3.81E-02	3.40E-02	1.16E+00
819	490486.72	3860585.12	0.21841	0.22207	0.28308	0.2275	0.39967	0.2518	0.2388	0.22207	1.05E+00	9.45E-03	6.79E-07	5.51E-03	8.62E-02	1.63E-02	3.90E-02	3.48E-02	1.17E+00
820	490536.72	3860585.12	0.22026	0.22659	0.28501	0.23455	0.36784	0.25556	0.2434	0.22659	1.06E+00	9.64E-03	6.84E-07	5.68E-03	7.93E-02	1.65E-02	3.97E-02	3.55E-02	1.17E+00
821	490586.72	3860585.12	0.22143	0.22858	0.26268	0.2314	0.37943	0.25658	0.2466	0.22858	1.06E+00	9.73E-03	6.30E-07	5.61E-03	8.18E-02	1.66E-02	4.03E-02	3.58E-02	1.18E+00
822	490636.72	3860585.12	0.21824	0.23289	0.24833	0.23301	0.37794	0.26155	0.2494	0.23289	1.05E+00	9.91E-03	5.96E-07	5.65E-03	8.15E-02	1.69E-02	4.07E-02	3.65E-02	1.17E+00
823	490686.72	3860585.12	0.21917	0.2367	0.24213	0.23005	0.31405	0.26671	0.2506	0.2367	1.05E+00	1.01E-02	5.81E-07	5.57E-03	6.77E-02	1.73E-02	4.09E-02	3.71E-02	1.16E+00
824	490736.72	3860585.12	0.2199	0.22898	0.22775	0.22982	0.25812	0.2614	0.2568	0.22898	1.06E+00	9.74E-03	5.46E-07	5.57E-03	5.57E-02	1.69E-02	4.19E-02	3.59E-02	1.15E+00
825	490786.72	3860585.12	0.22039	0.23621	0.24106	0.23719	0.24206	0.2514	0.259	0.23621	1.06E+00	1.01E-02	5.78E-07	5.75E-03	5.22E-02	1.63E-02	4.23E-02	3.70E-02	1.15E+00
826	490136.72	3860635.12	0.23365	0.18969	0.19779	0.23925	0.40452	0.23197	0.1785	0.18969	1.12E+00	8.07E-03	4.74E-07	5.80E-03	8.72E-02	1.50E-02	2.91E-02	2.97E-02	1.24E+00
827	490186.72	3860635.12	0.22904	0.19063	0.21145	0.23351	0.43512	0.23392	0.1838	0.19063	1.10E+00	8.11E-03	5.07E-07	5.66E-03	9.38E-02	1.51E-02	3.00E-02	2.99E-02	1.22E+00
828	490236.72	3860635.12	0.22437	0.1912	0.2166	0.23783	0.45734	0.23591	0.1899	0.1912	1.08E+00	8.14E-03	5.19E-07	5.76E-03	9.86E-02	1.53E-02	3.10E-02	3.00E-02	1.21E+00
829	490286.72	3860635.12	0.22008	0.19515	0.28319	0.2335	0.46174	0.23964	0.1966	0.19515	1.06E+00	8.30E-03	6.79E-07	5.66E-03	9.96E-02	1.55E-02	3.21E-02	3.06E-02	1.19E+00
830	490336.72	3860635.12	0.2159	0.20028	0.28136	0.22695	0.45508	0.24419	0.2036	0.20028	1.04E+00	8.52E-03	6.75E-07	5.50E-03	9.81E-02	1.58E-02	3.32E-02	3.14E-02	1.17E+00
831	490386.72	3860635.12	0.21169	0.20413	0.272	0.2222	0.42281	0.24893	0.2107	0.20413	1.02E+00	8.69E-03	6.52E-07	5.38E-03	9.12E-02	1.61E-02	3.44E-02	3.20E-02	1.14E+00
832	490436.72	3860635.12	0.20745	0.20795	0.2568	0.22613	0.43244	0.25335	0.2176	0.20795	9.96E-01	8.85E-03	6.16E-07	5.48E-03	9.33E-02	1.64E-02	3.55E-02	3.26E-02	1.12E+00
833	490486.72	3860635.12	0.20881	0.21222	0.26053	0.22259	0.41017	0.25616	0.2247	0.21222	1.00E+00	9.03E-03	6.25E-07	5.39E-03	8.85E-02	1.66E-02	3.67E-02	3.32E-02	1.12E+00
834	490536.72	3860635.12	0.21104	0.21719	0.27355	0.21986	0.38383	0.25993	0.2318	0.21719	1.01E+00	9.24E-03	6.56E-07	5.33E-03	8.28E-02	1.68E-02	3.78E-02	3.40E-02	1.13E+00
835	490586.72	3860635.12	0.21287	0.22052	0.24531	0.22701	0.35207	0.26136	0.238	0.22052	1.02E+00	9.38E-03	5.88E-07	5.50E-03	7.59E-02	1.69E-02	3.89E-02	3.45E-02	1.13E+00
836	490636.72	3860635.12	0.21481	0.22484	0.24613	0.22688	0.3758	0.26434	0.2425	0.22484	1.03E+00	9.57E-03	5.90E-07	5.50E-03	8.11E-02	1.71E-02	3.96E-02	3.52E-02	1.15E+00
837	490686.72	3860635.12	0.21237	0.22863	0.23714	0.22546	0.35577	0.26696	0.25	0.22863	1.02E+00	9.73E-03	5.69E-07	5.46E-03	7.67E-02	1.73E-02	4.08E-02	3.58E-02	1.13E+00
838	490736.72	3860635.12	0.21298	0.23148	0.2252	0.22465	0.29439	0.2689	0.2549	0.23148	1.02E+00	9.85E-03	5.40E-07	5.44E-03	6.35E-02	1.74E-02	4.16E-02	3.63E-02	1.12E+00
839	490786.72	3860635.12	0.21414	0.23474	0.22005	0.22401	0.24319	0.26271	0.2597	0.23474	1.03E+00	9.99E-03	5.28E-07	5.43E-03	5.24E-02	1.70E-02	4.24E-02	3.68E-02	1.12E+00
840	490136.72	3860685.12	0.23346	0.18449	0.17985	0.23908	0.37526	0.23844	0.1938	0.18449	1.12E+00	7.85E-03	4.31E-07	5.79E-03	8.09E-02	1.54E-02	3.16E-02	2.89E-02	1.23E+00
841	490186.72	3860685.12	0.23053	0.18702	0.19198	0.22817	0.40828	0.24285	0.1842	0.18702	1.11E+00	7.96E-03	4.60E-07	5.53E-03	8.81E-02	1.57E-02	3.01E-02	2.93E-02	1.22E+00
842	490236.72	3860685.12	0.22582	0.18806	0.20894	0.22519	0.43551	0.2424	0.1866	0.18806	1.08E+00	8.00E-03	5.01E-07	5.46E-03	9.39E-02	1.57E-02	3.05E-02	2.95E-02	1.21E+00
843	490286.72	3860685.12	0.22096	0.18946	0.24265	0.21701	0.44996	0.24122	0.189	0.18946	1.06E+00	8.06E-03	5.82E-07	5.26E-03	9.70E-02	1.56E-02	3.09E-02	2.97E-02	1.19E+00
844	490336.72	3860685.12	0.21723	0.18975	0.27936	0.2193	0.45396	0.2446	0.1872	0.18975	1.04E+00	8.07E-03	6.70E-07	5.31E-03	9.79E-02	1.58E-02	3.06E-02	2.97E-02	1.17E+00
845	490386.72	3860685.12	0.21323	0.191	0.2778	0.22079	0.42237	0.24733	0.1898	0.191	1.02E+00	8.13E-03	6.66E-07	5.35E-03	9.11E-02	1.60E-02	3.10E-02	2.99E-02	1.14E+00
846	490436.72	3860685.12	0.20902	0.19537	0.26088	0.21672	0.42206	0.24943	0.1974	0.19537	1.00E+00	8.31E-03	6.26E-07	5.25E-03	9.10E-02	1.61E-02	3.22E-02	3.06E-02	1.13E+00
847	490486.72	3860685.12	0.20485	0.20295	0.24948	0.2178	0.41915	0.25166	0.205	0.20295	9.83E-01	8.64E-03	5.98E-07	5.28E-03	9.04E-02	1.63E-02	3.35E-02	3.18E-02	1.11E+00
848	490536.72	3860685.12	0.20263	0.20814	0.25651	0.21351	0.39642	0.25499	0.2131	0.20814	9.72E-01	8.86E-03	6.15E-07	5.17E-03	8.55E-02	1.65E-02	3.48E-02	3.26E-02	1.09E+00
849	490586.72	3860685.12	0.20461	0.21229	0.26293	0.21552	0.3693	0.25829	0.2212	0.21229	9.82E-01	9.03E-03	6.31E-07	5.22E-03	7.96E-02	1.67E-02	3.61E-02	3.33E-02	1.10E+00
850	490636.72	3860685.12	0.20668	0.21675	0.2335	0.22169	0.34368	0.26198	0.2293	0.21675	9.92E-01	9.22E-03	5.60E-07	5.37E-03	7.41E-02	1.70E-02	3.74E-02	3.40E-02	1.10E+00
851	490686.72	3860685.12	0.20874	0.22125	0.22981	0.22283	0.37202	0.26579	0.2372	0.22125	1.00E+00	9.41E-03	5.51E-07	5.40E-03	8.02E-02	1.72E-02	3.87E-02	3.47E-02	1.12E+00

852	490736.72	3860685.12	0.206	0.22456	0.2202	0.2202	0.33428	0.26832	0.2442	0.22456	9.89E-01	9.55E-03	5.28E-07	5.33E-03	7.21E-02	1.74E-02	3.99E-02	3.52E-02	1.10E+00
853	490786.72	3860685.12	0.2079	0.22891	0.21307	0.21955	0.27761	0.27249	0.2517	0.22891	9.98E-01	9.74E-03	5.11E-07	5.32E-03	5.99E-02	1.76E-02	4.11E-02	3.59E-02	1.10E+00
854	490136.72	3860735.12	0.23533	0.18486	0.16173	0.21975	0.3733	0.23253	0.2307	0.18486	1.13E+00	7.87E-03	3.88E-07	5.32E-03	8.05E-02	1.50E-02	3.77E-02	2.90E-02	1.25E+00
855	490186.72	3860735.12	0.22847	0.18475	0.17226	0.21371	0.36738	0.23394	0.2293	0.18475	1.10E+00	7.86E-03	4.13E-07	5.18E-03	7.92E-02	1.51E-02	3.74E-02	2.89E-02	1.21E+00
856	490236.72	3860735.12	0.22494	0.18556	0.20926	0.21816	0.40084	0.23612	0.2266	0.18556	1.08E+00	7.90E-03	5.02E-07	5.29E-03	8.65E-02	1.53E-02	3.70E-02	2.91E-02	1.20E+00
857	490286.72	3860735.12	0.22143	0.18705	0.19459	0.21644	0.42984	0.23885	0.223	0.18705	1.06E+00	7.96E-03	4.67E-07	5.24E-03	9.27E-02	1.55E-02	3.64E-02	2.93E-02	1.19E+00
858	490336.72	3860735.12	0.21778	0.1884	0.27236	0.21106	0.44353	0.24163	0.2194	0.1884	1.05E+00	8.02E-03	6.53E-07	5.11E-03	9.57E-02	1.56E-02	3.58E-02	2.95E-02	1.18E+00
859	490386.72	3860735.12	0.21418	0.19126	0.27486	0.21321	0.44521	0.24525	0.2144	0.19126	1.03E+00	8.14E-03	6.59E-07	5.17E-03	9.60E-02	1.59E-02	3.50E-02	3.00E-02	1.16E+00
860	490436.72	3860735.12	0.21082	0.19606	0.27523	0.21436	0.39312	0.25031	0.2068	0.19606	1.01E+00	8.34E-03	6.60E-07	5.19E-03	8.48E-02	1.62E-02	3.38E-02	3.07E-02	1.13E+00
861	490486.72	3860735.12	0.20668	0.19855	0.25888	0.21218	0.42277	0.2525	0.2046	0.19855	9.92E-01	8.45E-03	6.21E-07	5.14E-03	9.12E-02	1.63E-02	3.34E-02	3.11E-02	1.12E+00
862	490536.72	3860735.12	0.20236	0.20073	0.2457	0.20916	0.40665	0.2537	0.2022	0.20073	9.71E-01	8.54E-03	5.89E-07	5.07E-03	8.77E-02	1.64E-02	3.30E-02	3.14E-02	1.09E+00
863	490586.72	3860735.12	0.1985	0.19796	0.2368	0.20407	0.38304	0.2568	0.1988	0.19796	9.53E-01	8.42E-03	5.68E-07	4.94E-03	8.26E-02	1.66E-02	3.24E-02	3.10E-02	1.07E+00
864	490636.72	3860735.12	0.19889	0.20516	0.25026	0.21172	0.35585	0.26036	0.2074	0.20516	9.54E-01	8.73E-03	6.00E-07	5.13E-03	7.67E-02	1.68E-02	3.38E-02	3.21E-02	1.06E+00
865	490686.72	3860735.12	0.20097	0.21308	0.23038	0.21636	0.34035	0.26512	0.2169	0.21308	9.64E-01	9.07E-03	5.53E-07	5.24E-03	7.34E-02	1.72E-02	3.54E-02	3.34E-02	1.07E+00
866	490736.72	3860735.12	0.20214	0.21778	0.22054	0.21591	0.36799	0.27086	0.2286	0.21778	9.70E-01	9.27E-03	5.29E-07	5.23E-03	7.94E-02	1.75E-02	3.73E-02	3.41E-02	1.08E+00
867	490136.72	3860785.12	0.23034	0.19179	0.14542	0.21988	0.36082	0.22882	0.2126	0.19179	1.11E+00	8.16E-03	3.49E-07	5.33E-03	7.78E-02	1.48E-02	3.47E-02	3.00E-02	1.22E+00
868	490186.72	3860785.12	0.22868	0.19235	0.15574	0.21343	0.37118	0.23146	0.2241	0.19235	1.10E+00	8.18E-03	3.74E-07	5.17E-03	8.01E-02	1.50E-02	3.66E-02	3.01E-02	1.21E+00
869	490236.72	3860785.12	0.22394	0.19291	0.16622	0.20828	0.36864	0.23415	0.2356	0.19291	1.07E+00	8.21E-03	3.99E-07	5.05E-03	7.95E-02	1.52E-02	3.85E-02	3.02E-02	1.19E+00
870	490286.72	3860785.12	0.22076	0.19375	0.1768	0.2157	0.40039	0.23721	0.2378	0.19375	1.06E+00	8.24E-03	4.24E-07	5.23E-03	8.64E-02	1.53E-02	3.88E-02	3.04E-02	1.18E+00
871	490336.72	3860785.12	0.21747	0.19414	0.23987	0.21008	0.42695	0.24033	0.2388	0.19414	1.04E+00	8.26E-03	5.75E-07	5.09E-03	9.21E-02	1.55E-02	3.90E-02	3.04E-02	1.17E+00
872	490386.72	3860785.12	0.21439	0.1965	0.26804	0.20517	0.43679	0.24496	0.2398	0.1965	1.03E+00	8.36E-03	6.43E-07	4.97E-03	9.42E-02	1.58E-02	3.91E-02	3.08E-02	1.16E+00
873	490436.72	3860785.12	0.21089	0.19754	0.27002	0.20632	0.43568	0.24842	0.2389	0.19754	1.01E+00	8.41E-03	6.48E-07	5.00E-03	9.40E-02	1.61E-02	3.90E-02	3.09E-02	1.14E+00
874	490486.72	3860785.12	0.20757	0.19972	0.26989	0.20634	0.38097	0.2532	0.2382	0.19972	9.96E-01	8.50E-03	6.47E-07	5.00E-03	8.22E-02	1.64E-02	3.89E-02	3.13E-02	1.12E+00
875	490536.72	3860785.12	0.20371	0.20047	0.25511	0.20432	0.41495	0.25584	0.2355	0.20047	9.78E-01	8.53E-03	6.12E-07	4.95E-03	8.95E-02	1.66E-02	3.84E-02	3.14E-02	1.10E+00
876	490586.72	3860785.12	0.19963	0.20085	0.24167	0.1995	0.39396	0.25726	0.2317	0.20085	9.58E-01	8.55E-03	5.80E-07	4.83E-03	8.50E-02	1.66E-02	3.78E-02	3.15E-02	1.08E+00
877	490636.72	3860785.12	0.19595	0.20298	0.22995	0.1998	0.37001	0.26071	0.2294	0.20298	9.40E-01	8.64E-03	5.51E-07	4.84E-03	7.98E-02	1.69E-02	3.74E-02	3.18E-02	1.06E+00
878	490686.72	3860785.12	0.19373	0.2057	0.23743	0.20821	0.34327	0.26521	0.2271	0.2057	9.30E-01	8.75E-03	5.69E-07	5.04E-03	7.40E-02	1.72E-02	3.71E-02	3.22E-02	1.04E+00
879	490736.72	3860785.12	0.19568	0.20976	0.22788	0.21023	0.33698	0.27024	0.2219	0.20976	9.39E-01	8.92E-03	5.47E-07	5.09E-03	7.27E-02	1.75E-02	3.62E-02	3.29E-02	1.05E+00
880	490086.72	3860835.12	0.2299	0.16563	0.13956	0.22654	0.35613	0.22879	0.1688	0.16563	1.10E+00	7.05E-03	3.35E-07	5.49E-03	7.68E-02	1.48E-02	2.76E-02	2.59E-02	1.21E+00
881	490136.72	3860835.12	0.22724	0.16794	0.1313	0.21938	0.38429	0.22867	0.1779	0.16794	1.09E+00	7.15E-03	3.15E-07	5.31E-03	8.29E-02	1.48E-02	2.90E-02	2.63E-02	1.20E+00
882	490186.72	3860835.12	0.22435	0.17741	0.14062	0.21304	0.34578	0.23114	0.1891	0.17741	1.08E+00	7.55E-03	3.37E-07	5.16E-03	7.46E-02	1.50E-02	3.09E-02	2.78E-02	1.18E+00
883	490236.72	3860835.12	0.22155	0.18844	0.15048	0.20701	0.34081	0.23402	0.2008	0.18844	1.06E+00	8.02E-03	3.61E-07	5.02E-03	7.35E-02	1.51E-02	3.28E-02	2.95E-02	1.17E+00
884	490286.72	3860835.12	0.21336	0.19978	0.19299	0.20684	0.37031	0.23759	0.2056	0.19978	1.02E+00	8.50E-03	4.63E-07	5.01E-03	7.99E-02	1.54E-02	3.36E-02	3.13E-02	1.13E+00
885	490336.72	3860835.12	0.21158	0.2058	0.19464	0.20926	0.39973	0.24072	0.2144	0.2058	1.02E+00	8.76E-03	4.67E-07	5.07E-03	8.62E-02	1.56E-02	3.50E-02	3.22E-02	1.13E+00
886	490386.72	3860835.12	0.20959	0.20629	0.25748	0.20352	0.42336	0.24421	0.2267	0.20629	1.01E+00	8.78E-03	6.18E-07	4.93E-03	9.13E-02	1.58E-02	3.70E-02	3.23E-02	1.13E+00
887	490436.72	3860835.12	0.20748	0.20741	0.26274	0.19823	0.42851	0.24858	0.2348	0.20741	9.96E-01	8.82E-03	6.30E-07	4.80E-03	9.24E-02	1.61E-02	3.83E-02	3.25E-02	1.12E+00
888	490486.72	3860835.12	0.20501	0.20824	0.26507	0.19879	0.40416	0.252	0.2341	0.20824	9.84E-01	8.86E-03	6.36E-07	4.82E-03	8.72E-02	1.63E-02	3.82E-02	3.26E-02	1.11E+00
889	490536.72	3860835.12	0.20217	0.20896	0.26412	0.19798	0.37991	0.25208	0.2325	0.20896	9.70E-01	8.89E-03	6.33E-07	4.80E-03	8.19E-02	1.63E-02	3.79E-02	3.27E-02	1.09E+00
890	490586.72	3860835.12	0.19898	0.20955	0.25085	0.19524	0.40231	0.25346	0.2298	0.20955	9.55E-01	8.92E-03	6.02E-07	4.73E-03	8.68E-02	1.64E-02	3.75E-02	3.28E-02	1.08E+00
891	490636.72	3860835.12	0.19572	0.21084	0.23494	0.1928	0.38195	0.25441	0.2271	0.21084	9.39E-01	8.97E-03	5.63E-07	4.67E-03	8.24E-02	1.65E-02	3.71E-02	3.30E-02	1.06E+00
892	490686.72	3860835.12	0.19263	0.21239	0.22673	0.19688	0.35823	0.25585	0.2254	0.21239	9.24E-01	9.04E-03	5.44E-07	4.77E-03	7.73E-02	1.66E-02	3.68E-02	3.33E-02	1.04E+00
893	490736.72	3860835.12	0.18969	0.21399	0.22535	0.20275	0.33194	0.25759	0.2247	0.21399	9.10E-01	9.10E-03	5.40E-07	4.91E-03	7.16E-02	1.67E-02	3.67E-02	3.35E-02	1.02E+00
894	490086.72	3860885.12	0.22384	0.15218	0.13238	0.20867	0.31847	0.22595	0.1434	0.15218	1.07E+00	6.48E-03	3.17E-07	5.06E-03	6.87E-02	1.46E-02	2.34E-02	2.38E-02	1.17E+00
895	490136.72	3860885.12	0.22165	0.16025	0.13774	0.20575	0.36396	0.22813	0.1457	0.16025	1.06E+00	6.82E-03	3.30E-07	4.98E-03	7.85E-02	1.48E-02	2.38E-02	2.51E-02	1.17E+00
896	490186.72	3860885.12	0.21943	0.16374	0.12696	0.20763	0.35939	0.23041	0.1518	0.16374	1.05E+00	6.97E-03	3.04E-07	5.03E-03	7.75E-02	1.49E-02	2.48E-02	2.57E-02	1.16E+00
897	490236.72	3860885.12	0.21726	0.16694	0.13609	0.20642	0.34762	0.23046	0.1608	0.16694	1.04E+00	7.10E-03	3.26E-07	5.00E-03	7.50E-02	1.49E-02	2.62E-02	2.62E-02	1.14E+00
898	490286.72	3860885.12	0.21506	0.16975	0.16745	0.2006	0.3395	0.2322	0.1705	0.16975	1.03E+00	7.22E-03	4.02E-07	4.86E-03	7.32E-02	1.50E-02	2.78E-02	2.66E-02	1.13E+00
899	490336.72	3860885.12	0.2052	0.17213	0.15564	0.20477	0.37102	0.23389	0.1815	0.17213	9.85E-01	7.32E-03	3.73E-07	4.96E-03	8.00E-02	1.51E-02	2.96E-02	2.70E-02	1.09E+00
900	490386.72	3860885.12	0.20358	0.17735	0.23559	0.20286	0.39924	0.23596	0.1925	0.17735	9.77E-01	7.55E-03	5.65E-07	4.91E-03	8.61E-02	1.53E-02	3.14E-02	2.78E-02	1.09E+00
901	490436.72	3860885.12	0.20181	0.18862	0.25342	0.19752	0.41833	0.23788	0.2043	0.18862	9.68E-01	8.03E-03	6.08E-07	4.79E-03	9.02E-02	1.54E-02	3.33E-02	2.95E-02	1.09E+00
902	490486.72	3860885.12	0.19962	0.20054	0.2581	0.19251	0.42105	0.23883	0.2174	0.20054	9.58E-01	8.53E-03	6.19E-07	4.66E-03	9.08E-02	1.55E-02	3.55E-02	3.14E-02	1.08E+00
903	490536.72	3860885.12	0.19701	0.21303	0.25993	0.19163	0.37442	0.2389	0.225	0.21303	9.45E-01	9.06E-03	6.23E-07	4.64E-03	8.08E-02	1.55E-02	3.67E-02	3.34E-02	1.06E+00
904	490586.72	3860885.12	0.19405	0.22516	0.25877	0.19187	0.37931	0.23843	0.2275	0.22516	9.31E-01	9.58E-03	6.21E-07	4.65E-03	8.18E-02	1.54E-02	3.71E-02	3.53E-02	1.04E+00
905	490636.72	3860885.12	0.19084	0.22575	0.24722	0.18787	0.39065	0.24153	0.2256	0.22575	9.16E-01	9.61E-03	5.93E-07	4.55E-03	8.43E-02	1.56E-02	3.68E-02	3.54E-02	1.03E+00
906	490686.72	3860885.12	0.18758	0.22642	0.22782	0.1898	0.3703	0.24525	0.2263	0.22642	9.00E-01	9.63E-03	5.46E-07	4.60E-03	7.99E-02	1.59E-02	3.69E-02	3.55E-02	1.01E+00
907	490736.72	3860885.12	0.18428	0.22742	0.22134	0.19396	0.34638	0.24952	0.2277	0.22742	8.84E-01	9.68E-03	5.31E-07	4.70E-03	7.47E-02	1.61E-02	3.72E-02	3.56E-02	9.91E-01
908	490086.72	3860935.12	0.21351	0.14712	0.12529	0.2071	0.28608	0.21929	0.1325	0.14712	1.02E+00	6.26E-03	3.00E-07	5.02E-03	6.17E-02	1.42E-02	2.16E-02	2.30E-02	1.11E+00

909	490136.72	3860935.12	0.21123	0.14956	0.13793	0.20038	0.32547	0.21858	0.1334	0.14956	1.01E+00	6.36E-03	3.31E-07	4.85E-03	7.02E-02	1.41E-02	2.18E-02	2.34E-02	1.11E+00
910	490186.72	3860935.12	0.20938	0.15197	0.13392	0.19527	0.36986	0.22198	0.14	0.15197	1.00E+00	6.47E-03	3.21E-07	4.73E-03	7.98E-02	1.44E-02	2.29E-02	2.38E-02	1.11E+00
911	490236.72	3860935.12	0.2077	0.15416	0.12287	0.19137	0.33558	0.22228	0.1467	0.15416	9.97E-01	6.56E-03	2.95E-07	4.64E-03	7.24E-02	1.44E-02	2.39E-02	2.41E-02	1.09E+00
912	490286.72	3860935.12	0.20874	0.15621	0.13442	0.19692	0.34301	0.22702	0.1493	0.15621	1.00E+00	6.65E-03	3.22E-07	4.77E-03	7.40E-02	1.47E-02	2.44E-02	2.45E-02	1.10E+00
913	490336.72	3860935.12	0.20761	0.16426	0.1613	0.19686	0.34175	0.22863	0.1516	0.16426	9.96E-01	6.99E-03	3.87E-07	4.77E-03	7.37E-02	1.48E-02	2.47E-02	2.57E-02	1.10E+00
914	490386.72	3860935.12	0.20331	0.17011	0.19381	0.20222	0.37248	0.23122	0.1544	0.17011	9.76E-01	7.24E-03	4.65E-07	4.90E-03	8.03E-02	1.50E-02	2.52E-02	2.66E-02	1.08E+00
915	490436.72	3860935.12	0.20175	0.17251	0.24217	0.19691	0.39903	0.23407	0.1622	0.17251	9.68E-01	7.34E-03	5.81E-07	4.77E-03	8.61E-02	1.51E-02	2.65E-02	2.70E-02	1.08E+00
916	490486.72	3860935.12	0.19975	0.17441	0.24882	0.19176	0.41223	0.23678	0.1727	0.17441	9.59E-01	7.42E-03	5.97E-07	4.65E-03	8.89E-02	1.53E-02	2.82E-02	2.73E-02	1.08E+00
917	490536.72	3860935.12	0.1975	0.17884	0.25329	0.18694	0.41326	0.2399	0.184	0.17884	9.48E-01	7.61E-03	6.07E-07	4.53E-03	8.91E-02	1.55E-02	3.00E-02	2.80E-02	1.07E+00
918	490586.72	3860935.12	0.19483	0.18141	0.25482	0.18571	0.34676	0.2429	0.197	0.18141	9.35E-01	7.72E-03	6.11E-07	4.50E-03	7.48E-02	1.57E-02	3.22E-02	2.84E-02	1.04E+00
919	490636.72	3860935.12	0.1919	0.18911	0.25367	0.18548	0.37887	0.24613	0.2111	0.18911	9.21E-01	8.05E-03	6.08E-07	4.49E-03	8.17E-02	1.59E-02	3.45E-02	2.96E-02	1.04E+00
920	490686.72	3860935.12	0.18885	0.20172	0.22284	0.18358	0.37967	0.24991	0.2211	0.20172	9.06E-01	8.58E-03	5.34E-07	4.45E-03	8.19E-02	1.62E-02	3.61E-02	3.16E-02	1.02E+00
921	490736.72	3860935.12	0.18564	0.2149	0.20485	0.18538	0.35895	0.25204	0.219	0.2149	8.91E-01	9.14E-03	4.91E-07	4.49E-03	7.74E-02	1.63E-02	3.58E-02	3.37E-02	1.00E+00
922	490786.72	3860935.12	0.18233	0.22858	0.21484	0.19046	0.33485	0.2521	0.2318	0.22858	8.75E-01	9.73E-03	5.15E-07	4.61E-03	7.22E-02	1.63E-02	3.78E-02	3.58E-02	9.80E-01
923	490836.72	3860935.12	0.18055	0.24251	0.20217	0.19599	0.3088	0.25274	0.2458	0.24251	8.66E-01	1.03E-02	4.85E-07	4.75E-03	6.66E-02	1.64E-02	4.01E-02	3.80E-02	9.67E-01
924	490086.72	3860985.12	0.20783	0.14233	0.1186	0.20675	0.27609	0.2207	0.1295	0.14233	9.97E-01	6.06E-03	2.84E-07	5.01E-03	5.95E-02	1.43E-02	2.11E-02	2.23E-02	1.08E+00
925	490136.72	3860985.12	0.20635	0.1451	0.12947	0.19944	0.29033	0.21571	0.1306	0.1451	9.90E-01	6.17E-03	3.11E-07	4.83E-03	6.26E-02	1.40E-02	2.13E-02	2.27E-02	1.08E+00
926	490186.72	3860985.12	0.20507	0.14773	0.14377	0.19366	0.33407	0.21006	0.1322	0.14773	9.84E-01	6.29E-03	3.45E-07	4.69E-03	7.21E-02	1.36E-02	2.16E-02	2.31E-02	1.08E+00
927	490236.72	3860985.12	0.20364	0.14993	0.13076	0.18842	0.35747	0.20734	0.1332	0.14993	9.77E-01	6.38E-03	3.14E-07	4.56E-03	7.71E-02	1.34E-02	2.17E-02	2.35E-02	1.08E+00
928	490286.72	3860985.12	0.20235	0.15203	0.11903	0.18407	0.32375	0.21311	0.1343	0.15203	9.71E-01	6.47E-03	2.85E-07	4.46E-03	6.98E-02	1.38E-02	2.19E-02	2.38E-02	1.06E+00
929	490336.72	3860985.12	0.20111	0.154	0.16794	0.19032	0.31547	0.21602	0.1355	0.154	9.65E-01	6.55E-03	4.03E-07	4.61E-03	6.80E-02	1.40E-02	2.21E-02	2.41E-02	1.06E+00
930	490386.72	3860985.12	0.1999	0.15589	0.15706	0.19574	0.34418	0.21729	0.1425	0.15589	9.59E-01	6.63E-03	3.77E-07	4.74E-03	7.42E-02	1.41E-02	2.33E-02	2.44E-02	1.06E+00
931	490436.72	3860985.12	0.19508	0.15782	0.2295	0.19608	0.37367	0.22494	0.15	0.15782	9.36E-01	6.71E-03	5.50E-07	4.75E-03	8.06E-02	1.46E-02	2.45E-02	2.47E-02	1.04E+00
932	490486.72	3860985.12	0.19702	0.15942	0.23785	0.19082	0.39776	0.23246	0.1558	0.15942	9.45E-01	6.78E-03	5.70E-07	4.62E-03	8.58E-02	1.50E-02	2.54E-02	2.50E-02	1.06E+00
933	490536.72	3860985.12	0.19561	0.16734	0.24408	0.18588	0.40574	0.23992	0.1584	0.16734	9.39E-01	7.12E-03	5.85E-07	4.50E-03	8.75E-02	1.55E-02	2.59E-02	2.62E-02	1.05E+00
934	490586.72	3860985.12	0.19376	0.17422	0.24808	0.18142	0.38692	0.23954	0.1611	0.17422	9.30E-01	7.41E-03	5.95E-07	4.40E-03	8.34E-02	1.55E-02	2.63E-02	2.73E-02	1.04E+00
935	490636.72	3860985.12	0.19182	0.17598	0.24992	0.18111	0.34133	0.23918	0.1664	0.17598	9.21E-01	7.49E-03	5.99E-07	4.39E-03	7.36E-02	1.55E-02	2.72E-02	2.76E-02	1.02E+00
936	490686.72	3860985.12	0.18959	0.17745	0.24888	0.17974	0.37862	0.23786	0.1782	0.17745	9.10E-01	7.55E-03	5.97E-07	4.35E-03	8.17E-02	1.54E-02	2.91E-02	2.78E-02	1.02E+00
937	490736.72	3860985.12	0.18696	0.18438	0.21493	0.18039	0.36872	0.23614	0.1913	0.18438	8.97E-01	7.85E-03	5.15E-07	4.37E-03	7.95E-02	1.53E-02	3.12E-02	2.89E-02	1.01E+00
938	490786.72	3860985.12	0.1838	0.18733	0.21251	0.18421	0.34785	0.2345	0.2047	0.18733	8.82E-01	7.97E-03	5.10E-07	4.46E-03	7.50E-02	1.52E-02	3.34E-02	2.93E-02	9.89E-01
939	490836.72	3860985.12	0.18058	0.19074	0.20825	0.18799	0.32414	0.23296	0.2139	0.19074	8.67E-01	8.12E-03	4.99E-07	4.55E-03	6.99E-02	1.51E-02	3.49E-02	2.99E-02	9.69E-01
940	490086.72	3861035.12	0.20048	0.13734	0.11208	0.20642	0.27534	0.22097	0.134	0.13734	9.62E-01	5.84E-03	2.69E-07	5.00E-03	5.94E-02	1.43E-02	2.19E-02	2.15E-02	1.05E+00
941	490136.72	3861035.12	0.19903	0.14075	0.12151	0.19914	0.28452	0.21706	0.136	0.14075	9.55E-01	5.99E-03	2.91E-07	4.82E-03	6.14E-02	1.40E-02	2.22E-02	2.20E-02	1.04E+00
942	490186.72	3861035.12	0.19767	0.14314	0.13617	0.19247	0.29849	0.21222	0.138	0.14314	9.49E-01	6.09E-03	3.27E-07	4.66E-03	6.44E-02	1.37E-02	2.25E-02	2.24E-02	1.04E+00
943	490236.72	3861035.12	0.19648	0.1457	0.14017	0.18673	0.34096	0.2067	0.1401	0.1457	9.43E-01	6.20E-03	3.36E-07	4.52E-03	7.35E-02	1.34E-02	2.29E-02	2.28E-02	1.04E+00
944	490286.72	3861035.12	0.19523	0.14789	0.12759	0.18191	0.33493	0.20059	0.1414	0.14789	9.37E-01	6.29E-03	3.06E-07	4.41E-03	7.22E-02	1.30E-02	2.31E-02	2.32E-02	1.03E+00
945	490336.72	3861035.12	0.19411	0.14994	0.1368	0.1818	0.32569	0.20497	0.142	0.14994	9.32E-01	6.38E-03	3.28E-07	4.40E-03	7.02E-02	1.33E-02	2.32E-02	2.35E-02	1.03E+00
946	490386.72	3861035.12	0.19326	0.15204	0.13568	0.18798	0.31587	0.21149	0.143	0.15204	9.27E-01	6.47E-03	3.25E-07	4.55E-03	6.81E-02	1.37E-02	2.33E-02	2.38E-02	1.02E+00
947	490436.72	3861035.12	0.19194	0.15401	0.19194	0.19502	0.34697	0.21134	0.1442	0.15401	9.21E-01	6.55E-03	4.60E-07	4.72E-03	7.48E-02	1.37E-02	2.35E-02	2.41E-02	1.02E+00
948	490486.72	3861035.12	0.18112	0.15568	0.22555	0.18988	0.37393	0.20436	0.1449	0.15568	8.69E-01	6.62E-03	5.41E-07	4.60E-03	8.06E-02	1.32E-02	2.36E-02	2.44E-02	9.74E-01
949	490536.72	3861035.12	0.18243	0.15716	0.23351	0.18521	0.39583	0.212	0.145	0.15716	8.75E-01	6.69E-03	5.60E-07	4.49E-03	8.54E-02	1.37E-02	2.37E-02	2.46E-02	9.85E-01
950	490586.72	3861035.12	0.1843	0.15851	0.23949	0.18142	0.39927	0.21978	0.1454	0.15851	8.84E-01	6.74E-03	5.74E-07	4.40E-03	8.61E-02	1.42E-02	2.37E-02	2.48E-02	9.95E-01
951	490636.72	3861035.12	0.18627	0.15977	0.24326	0.17714	0.35964	0.22211	0.1544	0.15977	8.94E-01	6.80E-03	5.83E-07	4.29E-03	7.76E-02	1.44E-02	2.52E-02	2.50E-02	9.97E-01
952	490686.72	3861035.12	0.18551	0.16258	0.24472	0.17641	0.34181	0.21948	0.1625	0.16258	8.90E-01	6.92E-03	5.87E-07	4.27E-03	7.37E-02	1.42E-02	2.65E-02	2.55E-02	9.90E-01
953	490736.72	3861035.12	0.18367	0.17356	0.21712	0.17494	0.37562	0.21659	0.1654	0.17356	8.81E-01	7.38E-03	5.21E-07	4.24E-03	8.10E-02	1.40E-02	2.70E-02	2.72E-02	9.88E-01
954	490786.72	3861035.12	0.18178	0.17757	0.20599	0.178	0.35835	0.21379	0.1688	0.17757	8.72E-01	7.56E-03	4.94E-07	4.31E-03	7.73E-02	1.38E-02	2.76E-02	2.78E-02	9.75E-01
955	490836.72	3861035.12	0.17978	0.17908	0.21215	0.18145	0.33742	0.21094	0.1725	0.17908	8.63E-01	7.62E-03	5.09E-07	4.40E-03	7.28E-02	1.36E-02	2.82E-02	2.81E-02	9.61E-01
956	490086.72	3861085.12	0.19412	0.13221	0.11566	0.20618	0.29312	0.21603	0.1312	0.13221	9.32E-01	5.63E-03	2.77E-07	5.00E-03	6.32E-02	1.40E-02	2.14E-02	2.07E-02	1.02E+00
957	490136.72	3861085.12	0.19271	0.1356	0.11418	0.1989	0.25398	0.21713	0.1333	0.1356	9.25E-01	5.77E-03	2.74E-07	4.82E-03	5.48E-02	1.40E-02	2.18E-02	2.12E-02	1.00E+00
958	490186.72	3861085.12	0.19147	0.13987	0.12692	0.19221	0.27621	0.21397	0.1355	0.13987	9.19E-01	5.95E-03	3.04E-07	4.66E-03	5.96E-02	1.38E-02	2.21E-02	2.19E-02	1.00E+00
959	490236.72	3861085.12	0.19005	0.14405	0.14564	0.18613	0.30696	0.2091	0.1372	0.14405	9.12E-01	6.13E-03	3.49E-07	4.51E-03	6.62E-02	1.35E-02	2.24E-02	2.26E-02	1.00E+00
960	490286.72	3861085.12	0.18879	0.14804	0.13693	0.18051	0.34771	0.20356	0.1391	0.14804	9.06E-01	6.30E-03	3.28E-07	4.37E-03	7.50E-02	1.32E-02	2.27E-02	2.32E-02	1.00E+00
961	490336.72	3861085.12	0.18763	0.15176	0.12475	0.17606	0.31355	0.19745	0.1412	0.15176	9.00E-01	6.46E-03	2.99E-07	4.27E-03	6.76E-02	1.28E-02	2.30E-02	2.38E-02	9.91E-01
962	490386.72	3861085.12	0.18678	0.15523	0.15318	0.18188	0.31867	0.19852	0.1435	0.15523	8.96E-01	6.60E-03	3.67E-07	4.41E-03	6.87E-02	1.28E-02	2.34E-02	2.43E-02	9.88E-01
963	490436.72	3861085.12	0.18589	0.15633	0.15732	0.18682	0.31913	0.20387	0.1459	0.15633	8.92E-01	6.65E-03	3.77E-07	4.53E-03	6.88E-02	1.32E-02	2.38E-02	2.45E-02	9.85E-01
964	490486.72	3861085.12	0.18451	0.15747	0.21193	0.19003	0.34807	0.2102	0.1484	0.15747	8.85E-01	6.70E-03	5.08E-07	4.60E-03	7.51E-02	1.36E-02	2.42E-02	2.47E-02	9.85E-01
965	490536.72	3861085.12	0.17711	0.15897	0.22164	0.18525	0.37382	0.20636	0.1511	0.15897	8.50E-01	6.76E-03	5.32E-07	4.49E-03	8.06E-02	1.34E-02	2.47E-02	2.49E-02	9.55E-01

966	490586.72	3861085.12	0.17542	0.15954	0.22917	0.18085	0.3907	0.20176	0.1536	0.15954	8.42E-01	6.79E-03	5.50E-07	4.38E-03	8.43E-02	1.31E-02	2.51E-02	2.50E-02	9.50E-01
967	490636.72	3861085.12	0.17343	0.15951	0.23456	0.17299	0.3921	0.20129	0.1559	0.15951	8.32E-01	6.79E-03	5.63E-07	4.19E-03	8.46E-02	1.30E-02	2.54E-02	2.50E-02	9.41E-01
968	490686.72	3861085.12	0.17383	0.15998	0.23818	0.17276	0.33368	0.20059	0.1585	0.15998	8.34E-01	6.81E-03	5.71E-07	4.19E-03	7.20E-02	1.30E-02	2.59E-02	2.51E-02	9.31E-01
969	490736.72	3861085.12	0.17573	0.16157	0.23984	0.17314	0.34241	0.1995	0.1604	0.16157	8.43E-01	6.87E-03	5.75E-07	4.19E-03	7.38E-02	1.29E-02	2.62E-02	2.53E-02	9.42E-01
970	490786.72	3861085.12	0.17766	0.16466	0.1956	0.17217	0.36594	0.19777	0.1614	0.16466	8.53E-01	7.01E-03	4.69E-07	4.17E-03	7.89E-02	1.28E-02	2.63E-02	2.58E-02	9.56E-01
971	490836.72	3861085.12	0.17604	0.16791	0.18754	0.17486	0.34816	0.19531	0.1628	0.16791	8.45E-01	7.14E-03	4.50E-07	4.24E-03	7.51E-02	1.26E-02	2.66E-02	2.63E-02	9.44E-01
972	490086.72	3861135.12	0.20255	0.12692	0.11357	0.20582	0.30503	0.20627	0.1215	0.12692	9.72E-01	5.40E-03	2.72E-07	4.99E-03	6.58E-02	1.33E-02	1.98E-02	1.99E-02	1.06E+00
973	490136.72	3861135.12	0.18709	0.13026	0.10713	0.19863	0.27143	0.20597	0.1228	0.13026	8.98E-01	5.54E-03	2.57E-07	4.81E-03	5.85E-02	1.33E-02	2.00E-02	2.04E-02	9.80E-01
974	490186.72	3861135.12	0.18572	0.13346	0.11801	0.192	0.25773	0.20547	0.1242	0.13346	8.91E-01	5.68E-03	2.83E-07	4.65E-03	5.56E-02	1.33E-02	2.03E-02	2.09E-02	9.70E-01
975	490236.72	3861135.12	0.18441	0.13686	0.13416	0.18585	0.27415	0.20436	0.1294	0.13686	8.85E-01	5.82E-03	3.22E-07	4.50E-03	5.91E-02	1.32E-02	2.11E-02	2.14E-02	9.67E-01
976	490286.72	3861135.12	0.18314	0.13956	0.1449	0.18027	0.31449	0.20256	0.1361	0.13956	8.79E-01	5.94E-03	3.48E-07	4.37E-03	6.78E-02	1.31E-02	2.22E-02	2.19E-02	9.70E-01
977	490336.72	3861135.12	0.18192	0.14197	0.13391	0.17505	0.33515	0.20022	0.1386	0.14197	8.73E-01	6.04E-03	3.21E-07	4.24E-03	7.23E-02	1.30E-02	2.26E-02	2.22E-02	9.69E-01
978	490386.72	3861135.12	0.18091	0.14824	0.13916	0.17537	0.3052	0.19486	0.1408	0.14824	8.68E-01	6.31E-03	3.34E-07	4.25E-03	6.58E-02	1.26E-02	2.30E-02	2.32E-02	9.57E-01
979	490436.72	3861135.12	0.17995	0.15385	0.1276	0.178	0.29401	0.19257	0.143	0.15385	8.64E-01	6.55E-03	3.06E-07	4.31E-03	6.34E-02	1.25E-02	2.33E-02	2.41E-02	9.50E-01
980	490486.72	3861135.12	0.17911	0.15729	0.18873	0.18582	0.32175	0.19279	0.1454	0.15729	8.60E-01	6.69E-03	4.53E-07	4.50E-03	6.94E-02	1.25E-02	2.37E-02	2.46E-02	9.52E-01
981	490536.72	3861135.12	0.17827	0.16047	0.20839	0.18007	0.34926	0.19252	0.1479	0.16047	8.56E-01	6.83E-03	5.00E-07	4.36E-03	7.53E-02	1.25E-02	2.41E-02	2.51E-02	9.53E-01
982	490586.72	3861135.12	0.1738	0.16325	0.21729	0.17271	0.3726	0.19138	0.1503	0.16325	8.34E-01	6.95E-03	5.21E-07	4.18E-03	8.04E-02	1.24E-02	2.45E-02	2.56E-02	9.37E-01
983	490636.72	3861135.12	0.17202	0.16561	0.22436	0.17281	0.38464	0.18924	0.1524	0.16561	8.26E-01	7.05E-03	5.38E-07	4.19E-03	8.30E-02	1.22E-02	2.49E-02	2.59E-02	9.31E-01
984	490686.72	3861135.12	0.17021	0.1678	0.23001	0.1719	0.37199	0.18685	0.1548	0.1678	8.17E-01	7.14E-03	5.52E-07	4.16E-03	8.02E-02	1.21E-02	2.53E-02	2.63E-02	9.19E-01
985	490736.72	3861135.12	0.16825	0.16997	0.23381	0.16968	0.31024	0.18699	0.1576	0.16997	8.07E-01	7.23E-03	5.61E-07	4.11E-03	6.69E-02	1.21E-02	2.57E-02	2.66E-02	8.97E-01
986	490786.72	3861135.12	0.16607	0.17173	0.2117	0.1691	0.34338	0.18059	0.1604	0.17173	7.97E-01	7.31E-03	5.08E-07	4.10E-03	7.41E-02	1.17E-02	2.62E-02	2.69E-02	8.93E-01
987	490836.72	3861135.12	0.16715	0.1732	0.19243	0.16875	0.35651	0.17589	0.1633	0.1732	8.02E-01	7.37E-03	4.62E-07	4.09E-03	7.69E-02	1.14E-02	2.67E-02	2.71E-02	9.01E-01
988	490086.72	3861185.12	0.20452	0.12152	0.10392	0.2054	0.30589	0.19933	0.1192	0.12152	9.81E-01	5.17E-03	2.49E-07	4.98E-03	6.60E-02	1.29E-02	1.95E-02	1.90E-02	1.07E+00
989	490136.72	3861185.12	0.19272	0.12518	0.10043	0.19794	0.28776	0.19395	0.12	0.12518	9.25E-01	5.33E-03	2.41E-07	4.80E-03	6.21E-02	1.25E-02	1.96E-02	1.96E-02	1.01E+00
990	490186.72	3861185.12	0.18306	0.12868	0.10976	0.19143	0.25005	0.18981	0.1213	0.12868	8.78E-01	5.48E-03	2.63E-07	4.64E-03	5.39E-02	1.23E-02	1.98E-02	2.02E-02	9.54E-01
991	490236.72	3861185.12	0.18175	0.13164	0.12352	0.18546	0.26668	0.18778	0.1226	0.13164	8.72E-01	5.60E-03	2.96E-07	4.49E-03	5.75E-02	1.21E-02	2.00E-02	2.06E-02	9.51E-01
992	490286.72	3861185.12	0.18058	0.13504	0.14003	0.17996	0.28176	0.18589	0.1242	0.13504	8.67E-01	5.75E-03	3.36E-07	4.36E-03	6.08E-02	1.20E-02	2.03E-02	2.12E-02	9.49E-01
993	490336.72	3861185.12	0.17898	0.13753	0.14089	0.17455	0.32028	0.1835	0.1248	0.13753	8.59E-01	5.85E-03	3.38E-07	4.23E-03	6.91E-02	1.19E-02	2.04E-02	2.15E-02	9.49E-01
994	490386.72	3861185.12	0.17774	0.14001	0.13053	0.16983	0.31382	0.18335	0.1261	0.14001	8.53E-01	5.96E-03	3.13E-07	4.11E-03	6.77E-02	1.19E-02	2.06E-02	2.19E-02	9.41E-01
995	490436.72	3861185.12	0.17661	0.14235	0.12964	0.17474	0.3074	0.18496	0.1275	0.14235	8.48E-01	6.06E-03	3.11E-07	4.23E-03	6.63E-02	1.20E-02	2.08E-02	2.23E-02	9.35E-01
996	490486.72	3861185.12	0.17533	0.14435	0.15635	0.17662	0.29485	0.18616	0.1325	0.14435	8.41E-01	6.14E-03	3.75E-07	4.28E-03	6.36E-02	1.20E-02	2.16E-02	2.26E-02	9.26E-01
997	490536.72	3861185.12	0.1743	0.14639	0.19532	0.17286	0.32464	0.18044	0.1384	0.14639	8.36E-01	6.23E-03	4.68E-07	4.19E-03	7.00E-02	1.17E-02	2.26E-02	2.29E-02	9.28E-01
998	490586.72	3861185.12	0.17281	0.14792	0.20491	0.16985	0.35008	0.1772	0.1463	0.14792	8.29E-01	6.29E-03	4.91E-07	4.11E-03	7.55E-02	1.15E-02	2.39E-02	2.32E-02	9.27E-01
999	490636.72	3861185.12	0.17104	0.15305	0.21284	0.17293	0.37083	0.1731	0.1487	0.15305	8.21E-01	6.51E-03	5.10E-07	4.19E-03	8.00E-02	1.12E-02	2.43E-02	2.40E-02	9.23E-01
1000	490686.72	3861185.12	0.16938	0.16119	0.21995	0.17131	0.37889	0.16913	0.1511	0.16119	8.13E-01	6.86E-03	5.28E-07	4.15E-03	8.17E-02	1.09E-02	2.47E-02	2.53E-02	9.16E-01
1001	490736.72	3861185.12	0.16773	0.16598	0.22582	0.1678	0.34696	0.17057	0.154	0.16598	8.05E-01	7.06E-03	5.42E-07	4.07E-03	7.48E-02	1.10E-02	2.51E-02	2.60E-02	9.01E-01
1002	490786.72	3861185.12	0.16581	0.16832	0.22959	0.16678	0.30941	0.17795	0.1567	0.16832	7.96E-01	7.16E-03	5.51E-07	4.04E-03	6.67E-02	1.15E-02	2.56E-02	2.64E-02	8.84E-01
1003	490836.72	3861185.12	0.16364	0.17037	0.18402	0.16585	0.34421	0.17775	0.1595	0.17037	7.85E-01	7.25E-03	4.41E-07	4.02E-03	7.42E-02	1.15E-02	2.60E-02	2.67E-02	8.82E-01
1004	490086.72	3861235.12	0.19123	0.11602	0.09529	0.20484	0.30513	0.20555	0.117	0.11602	9.18E-01	4.94E-03	2.29E-07	4.96E-03	6.58E-02	1.33E-02	1.91E-02	1.82E-02	1.01E+00
1005	490136.72	3861235.12	0.19516	0.11987	0.09577	0.19746	0.30094	0.19942	0.1178	0.11987	9.37E-01	5.10E-03	2.30E-07	4.78E-03	6.49E-02	1.29E-02	1.92E-02	1.88E-02	1.02E+00
1006	490186.72	3861235.12	0.18353	0.12358	0.10245	0.19103	0.26691	0.19422	0.119	0.12358	8.81E-01	5.26E-03	2.46E-07	4.63E-03	5.76E-02	1.26E-02	1.94E-02	1.94E-02	9.61E-01
1007	490236.72	3861235.12	0.18052	0.12694	0.11407	0.18479	0.23016	0.18934	0.12	0.12694	8.66E-01	5.40E-03	2.74E-07	4.48E-03	4.96E-02	1.23E-02	1.96E-02	1.99E-02	9.38E-01
1008	490386.72	3861235.12	0.17659	0.13565	0.13741	0.16919	0.32617	0.18094	0.1235	0.13565	8.47E-01	5.77E-03	3.30E-07	4.10E-03	7.03E-02	1.17E-02	2.02E-02	2.12E-02	9.38E-01
1009	490436.72	3861235.12	0.1753	0.13804	0.13851	0.16768	0.29307	0.18027	0.1245	0.13804	8.41E-01	5.87E-03	3.32E-07	4.06E-03	6.32E-02	1.17E-02	2.03E-02	2.16E-02	9.25E-01
1010	490486.72	3861235.12	0.17407	0.14024	0.12791	0.16862	0.29555	0.18088	0.1256	0.14024	8.35E-01	5.97E-03	3.07E-07	4.09E-03	6.37E-02	1.17E-02	2.05E-02	2.20E-02	9.19E-01
1011	490536.72	3861235.12	0.17325	0.14257	0.18138	0.16705	0.29828	0.18351	0.1276	0.14257	8.31E-01	6.07E-03	4.35E-07	4.05E-03	6.43E-02	1.19E-02	2.08E-02	2.23E-02	9.16E-01
1012	490586.72	3861235.12	0.1722	0.14501	0.19228	0.17028	0.3267	0.17832	0.1292	0.14501	8.26E-01	6.17E-03	4.61E-07	4.13E-03	7.05E-02	1.15E-02	2.11E-02	2.27E-02	9.17E-01
1013	490636.72	3861235.12	0.1703	0.14566	0.20052	0.17305	0.34909	0.17186	0.1293	0.14566	8.17E-01	6.20E-03	4.81E-07	4.19E-03	7.53E-02	1.11E-02	2.11E-02	2.28E-02	9.12E-01
1014	490686.72	3861235.12	0.16548	0.14781	0.20884	0.17083	0.36938	0.16631	0.1305	0.14781	7.94E-01	6.29E-03	5.01E-07	4.14E-03	7.97E-02	1.08E-02	2.13E-02	2.32E-02	8.93E-01
1015	490736.72	3861235.12	0.16475	0.15047	0.21617	0.16732	0.37379	0.16143	0.1359	0.15047	7.91E-01	6.40E-03	5.18E-07	4.05E-03	8.06E-02	1.04E-02	2.22E-02	2.36E-02	8.91E-01
1016	490786.72	3861235.12	0.16396	0.15322	0.22187	0.16401	0.3238	0.15945	0.1429	0.15322	7.87E-01	6.52E-03	5.32E-07	3.97E-03	6.98E-02	1.03E-02	2.33E-02	2.40E-02	8.77E-01
1017	490836.72	3861235.12	0.16299	0.15577	0.20641	0.16369	0.31115	0.16477	0.1509	0.15577	7.82E-01	6.63E-03	4.95E-07	3.97E-03	6.71E-02	1.07E-02	2.46E-02	2.44E-02	8.71E-01
1018	490086.72	3861285.12	0.1833	0.11411	0.10124	0.20479	0.30339	0.20705	0.1152	0.11411	8.80E-01	4.86E-03	2.43E-07	4.96E-03	6.54E-02	1.34E-02	1.88E-02	1.79E-02	9.69E-01
1019	490136.72	3861285.12	0.18232	0.11545	0.0939	0.19777	0.30222	0.20587	0.1164	0.11545	8.75E-01	4.91E-03	2.25E-07	4.79E-03	6.52E-02	1.33E-02	1.90E-02	1.81E-02	9.64E-01
1020	490186.72	3861285.12	0.18612	0.11842	0.09578	0.19079	0.28336	0.20035	0.1171	0.11842	8.93E-01	5.04E-03	2.30E-07	4.62E-03	6.11E-02	1.30E-02	1.91E-02	1.86E-02	9.77E-01
1021	490236.72	3861285.12	0.17957	0.12198	0.10582	0.18456	0.24679	0.19465	0.1181	0.12198	8.62E-01	5.19E-03	2.54E-07	4.47E-03	5.32E-02	1.26E-02	1.93E-02	1.91E-02	9.37E-01
1022	490386.72	3861285.12	0.17575	0.13199	0.13561	0.16886	0.29486	0.18206	0.1214	0.13199	8.43E-01	5.62E-03	3.25E-07	4.09E-03	6.36E-02	1.18E-02	1.98E-02	2.07E-02	9.28E-01

1023	490436.72	3861285.12	0.17461	0.13406	0.1346	0.16465	0.31342	0.17995	0.1226	0.13406	8.38E-01	5.70E-03	3.23E-07	3.99E-03	6.76E-02	1.16E-02	2.00E-02	2.10E-02	9.26E-01
1024	490486.72	3861285.12	0.17333	0.13632	0.12452	0.16438	0.28666	0.17854	0.1235	0.13632	8.32E-01	5.80E-03	2.99E-07	3.98E-03	6.18E-02	1.16E-02	2.02E-02	2.14E-02	9.14E-01
1025	490536.72	3861285.12	0.17217	0.13852	0.15442	0.16665	0.27326	0.17853	0.1246	0.13852	8.26E-01	5.89E-03	3.70E-07	4.04E-03	5.89E-02	1.16E-02	2.03E-02	2.17E-02	9.05E-01
1026	490586.72	3861285.12	0.17108	0.14056	0.17807	0.16983	0.30029	0.17451	0.1259	0.14056	8.21E-01	5.98E-03	4.27E-07	4.11E-03	6.48E-02	1.13E-02	2.05E-02	2.20E-02	9.06E-01
1027	490636.72	3861285.12	0.16958	0.14211	0.1875	0.17299	0.3256	0.16954	0.1265	0.14211	8.14E-01	6.05E-03	4.50E-07	4.19E-03	7.02E-02	1.10E-02	2.06E-02	2.23E-02	9.04E-01
1028	490686.72	3861285.12	0.16722	0.14433	0.19669	0.17016	0.34858	0.16521	0.1277	0.14433	8.02E-01	6.14E-03	4.72E-07	4.12E-03	7.52E-02	1.07E-02	2.08E-02	2.26E-02	8.97E-01
1029	490736.72	3861285.12	0.16072	0.14718	0.20556	0.16696	0.36632	0.16168	0.1297	0.14718	7.71E-01	6.26E-03	4.93E-07	4.04E-03	7.90E-02	1.05E-02	2.12E-02	2.31E-02	8.69E-01
1030	490786.72	3861285.12	0.15985	0.14951	0.21227	0.16343	0.35957	0.15772	0.1311	0.14951	7.67E-01	6.36E-03	5.09E-07	3.96E-03	7.76E-02	1.02E-02	2.14E-02	2.34E-02	8.63E-01
1031	490836.72	3861285.12	0.15884	0.15166	0.2171	0.16079	0.30073	0.15392	0.1324	0.15166	7.62E-01	6.45E-03	5.21E-07	3.90E-03	6.49E-02	9.96E-03	2.16E-02	2.38E-02	8.45E-01
1032	490061.24	3859716.13	0.29781	0.6829	1.16893	0.87513	0.37663	0.51705	0.6669	0.6829	1.43E+00	2.91E-02	2.80E-06	2.12E-02	8.12E-02	3.35E-02	1.09E-01	1.07E-01	1.60E+00
1033	490111.24	3859716.13	0.31156	0.77155	1.06845	0.93028	0.40502	0.54914	0.7677	0.77155	1.50E+00	3.28E-02	2.56E-06	2.25E-02	8.74E-02	3.55E-02	1.25E-01	1.21E-01	1.68E+00
1034	490161.24	3859716.13	0.32936	0.88479	1.00508	0.97174	0.46612	0.56246	0.8766	0.88479	1.58E+00	3.76E-02	2.41E-06	2.35E-02	1.01E-01	3.64E-02	1.43E-01	1.39E-01	1.78E+00
1035	490211.24	3859716.13	0.35117	1.06477	0.79668	1.00186	0.5177	0.60482	1.0466	1.06477	1.69E+00	4.53E-02	1.91E-06	2.43E-02	1.12E-01	3.91E-02	1.71E-01	1.67E-01	1.91E+00
1036	490061.24	3859766.13	0.27909	0.56774	1.11721	0.7372	0.41811	0.43218	0.5441	0.56774	1.34E+00	2.42E-02	2.68E-06	1.79E-02	9.02E-02	2.80E-02	8.88E-02	8.89E-02	1.50E+00
1037	490111.24	3859766.13	0.28697	0.6029	1.08374	0.8294	0.35919	0.46087	0.5774	0.6029	1.38E+00	2.57E-02	2.60E-06	2.01E-02	7.75E-02	2.98E-02	9.42E-02	9.44E-02	1.53E+00
1038	490161.24	3859766.13	0.29665	0.64256	0.9331	0.83801	0.39124	0.49178	0.6468	0.64256	1.42E+00	2.73E-02	2.24E-06	2.03E-02	8.44E-02	3.18E-02	1.06E-01	1.01E-01	1.59E+00
1039	490211.24	3859766.13	0.30862	0.69706	1.00225	0.85869	0.45016	0.52593	0.7045	0.69706	1.48E+00	2.97E-02	2.40E-06	2.08E-02	9.71E-02	3.40E-02	1.15E-01	1.09E-01	1.67E+00
1040	490061.24	3859816.13	0.27034	0.46786	1.0157	0.622	0.45225	0.38768	0.4802	0.46786	1.30E+00	1.99E-02	2.44E-06	1.51E-02	9.75E-02	2.51E-02	7.84E-02	7.33E-02	1.46E+00
1041	490111.24	3859816.13	0.27406	0.50765	0.89652	0.72613	0.39928	0.39446	0.5019	0.50765	1.32E+00	2.16E-02	2.15E-06	1.76E-02	8.61E-02	2.55E-02	8.19E-02	7.95E-02	1.47E+00
1042	490161.24	3859816.13	0.27961	0.53244	0.95445	0.74146	0.34251	0.40865	0.5143	0.53244	1.34E+00	2.27E-02	2.29E-06	1.80E-02	7.39E-02	2.64E-02	8.40E-02	8.34E-02	1.48E+00
1043	490211.24	3859816.13	0.28678	0.56091	0.83111	0.75453	0.37828	0.42855	0.5635	0.56091	1.38E+00	2.39E-02	1.99E-06	1.83E-02	8.16E-02	2.77E-02	9.20E-02	8.79E-02	1.53E+00
1044	490061.24	3859866.13	0.26633	0.39992	0.87028	0.53621	0.49325	0.37512	0.4041	0.39992	1.28E+00	1.70E-02	2.09E-06	1.30E-02	1.06E-01	2.43E-02	6.60E-02	6.26E-02	1.44E+00
1045	490111.24	3859866.13	0.26744	0.41849	0.86063	0.56521	0.43788	0.38514	0.419	0.41849	1.28E+00	1.78E-02	2.06E-06	1.37E-02	9.44E-02	2.49E-02	6.84E-02	6.56E-02	1.44E+00
1046	490161.24	3859866.13	0.2699	0.44243	0.73956	0.59579	0.37942	0.37517	0.4392	0.44243	1.30E+00	1.88E-02	1.77E-06	1.44E-02	8.18E-02	2.43E-02	7.17E-02	6.93E-02	1.44E+00
1047	490211.24	3859866.13	0.2738	0.46512	0.83005	0.62796	0.32733	0.38453	0.46	0.46512	1.31E+00	1.98E-02	1.99E-06	1.52E-02	7.06E-02	2.49E-02	7.51E-02	7.29E-02	1.45E+00
1048	490061.24	3859916.13	0.2638	0.34456	0.77753	0.48147	0.52411	0.3487	0.3593	0.34456	1.27E+00	1.47E-02	1.86E-06	1.17E-02	1.13E-01	2.26E-02	5.86E-02	5.40E-02	1.43E+00
1049	490111.24	3859916.13	0.26332	0.35916	0.75296	0.51291	0.47332	0.35952	0.3722	0.35916	1.26E+00	1.53E-02	1.81E-06	1.24E-02	1.02E-01	2.33E-02	6.08E-02	5.63E-02	1.42E+00
1050	490161.24	3859916.13	0.26367	0.37787	0.71796	0.52744	0.41949	0.37098	0.3834	0.37787	1.27E+00	1.61E-02	1.72E-06	1.28E-02	9.05E-02	2.40E-02	6.26E-02	5.92E-02	1.41E+00
1051	490211.24	3859916.13	0.26506	0.39553	0.64217	0.54214	0.35237	0.37306	0.3974	0.39553	1.27E+00	1.68E-02	1.54E-06	1.31E-02	7.60E-02	2.41E-02	6.49E-02	6.20E-02	1.41E+00
1052	490229.25	3859815.26	0.2902	0.57752	0.8881	0.76663	0.40033	0.43747	0.5798	0.57752	1.39E+00	2.46E-02	2.13E-06	1.86E-02	8.63E-02	2.83E-02	9.46E-02	9.05E-02	1.55E+00
1053	490279.25	3859815.26	0.29963	0.61951	0.84695	0.79257	0.45685	0.48209	0.6232	0.61951	1.44E+00	2.64E-02	2.03E-06	1.92E-02	9.85E-02	3.12E-02	1.02E-01	9.70E-02	1.62E+00
1054	490329.25	3859815.26	0.31049	0.6808	0.66838	0.82817	0.47639	0.51055	0.6558	0.6808	1.49E+00	2.90E-02	1.60E-06	2.01E-02	1.03E-01	3.30E-02	1.07E-01	1.07E-01	1.68E+00
1055	490379.25	3859815.26	0.32228	0.7713	0.63552	0.87625	0.49619	0.55448	0.7191	0.7713	1.55E+00	3.28E-02	1.52E-06	2.12E-02	1.07E-01	3.59E-02	1.17E-01	1.21E-01	1.74E+00
1056	490429.25	3859815.26	0.33434	0.89007	0.59387	0.91091	0.45432	0.61691	0.8476	0.89007	1.60E+00	3.79E-02	1.42E-06	2.21E-02	9.80E-02	3.99E-02	1.38E-01	1.39E-01	1.80E+00
1057	490229.25	3859865.26	0.27577	0.47677	0.84108	0.64395	0.33275	0.39407	0.4705	0.47677	1.32E+00	2.03E-02	2.02E-06	1.56E-02	7.18E-02	2.55E-02	7.68E-02	7.47E-02	1.46E+00
1058	490279.25	3859865.26	0.28156	0.51173	0.81289	0.68307	0.38737	0.43092	0.4993	0.51173	1.35E+00	2.18E-02	1.95E-06	1.65E-02	8.35E-02	2.79E-02	8.15E-02	8.02E-02	1.50E+00
1059	490329.25	3859865.26	0.28867	0.54496	0.77573	0.73092	0.44194	0.44921	0.5343	0.54496	1.39E+00	2.32E-02	1.86E-06	1.77E-02	9.53E-02	2.91E-02	8.72E-02	8.54E-02	1.55E+00
1060	490379.25	3859865.26	0.29698	0.57943	0.6529	0.7807	0.46138	0.46032	0.5771	0.57943	1.43E+00	2.47E-02	1.57E-06	1.89E-02	9.95E-02	2.98E-02	9.42E-02	9.08E-02	1.60E+00
1061	490429.25	3859865.26	0.30575	0.6474	0.64921	0.80518	0.48488	0.48563	0.6216	0.6474	1.47E+00	2.75E-02	1.56E-06	1.95E-02	1.05E-01	3.14E-02	1.01E-01	1.01E-01	1.65E+00
1062	490229.25	3859915.26	0.26607	0.40318	0.71559	0.54978	0.32396	0.37019	0.4049	0.40318	1.28E+00	1.72E-02	1.72E-06	1.33E-02	6.99E-02	2.40E-02	6.61E-02	6.32E-02	1.40E+00
1063	490279.25	3859915.26	0.2691	0.42411	0.73868	0.57281	0.32157	0.37526	0.4208	0.42411	1.29E+00	1.80E-02	1.77E-06	1.39E-02	6.94E-02	2.43E-02	6.87E-02	6.64E-02	1.42E+00
1064	490329.25	3859915.26	0.27353	0.45991	0.74292	0.63803	0.37456	0.40523	0.4546	0.45991	1.31E+00	1.96E-02	1.78E-06	1.55E-02	8.08E-02	2.62E-02	7.42E-02	7.20E-02	1.46E+00
1065	490379.25	3859915.26	0.27917	0.48131	0.70846	0.67739	0.42781	0.4213	0.464	0.48131	1.34E+00	2.05E-02	1.70E-06	1.64E-02	9.23E-02	2.73E-02	7.57E-02	7.54E-02	1.50E+00
1066	490429.25	3859915.26	0.28564	0.5057	0.66224	0.7005	0.44608	0.43196	0.5108	0.5057	1.37E+00	2.15E-02	1.59E-06	1.70E-02	9.62E-02	2.79E-02	8.34E-02	7.92E-02	1.54E+00
1067	490451.43	3859872.59	0.30603	0.64468	0.59287	0.80008	0.47074	0.48887	0.6214	0.64468	1.47E+00	2.74E-02	1.42E-06	1.94E-02	1.02E-01	3.16E-02	1.01E-01	1.01E-01	1.65E+00
1068	490501.43	3859872.59	0.31421	0.72465	0.52868	0.84378	0.42925	0.5224	0.6834	0.72465	1.51E+00	3.08E-02	1.27E-06	2.04E-02	9.26E-02	3.38E-02	1.12E-01	1.14E-01	1.68E+00
1069	490551.43	3859872.59	0.32261	0.83791	0.49109	0.92994	0.38757	0.58689	0.8059	0.83791	1.55E+00	3.57E-02	1.18E-06	2.25E-02	8.36E-02	3.80E-02	1.32E-01	1.31E-01	1.73E+00
1070	490601.43	3859872.59	0.33238	0.96253	0.54527	1.02867	0.34479	0.66686	0.9369	0.96253	1.60E+00	4.10E-02	1.31E-06	2.49E-02	7.44E-02	4.31E-02	1.53E-01	1.51E-01	1.78E+00
1071	490451.43	3859922.59	0.28608	0.50578	0.61316	0.70006	0.45895	0.43337	0.5179	0.50578	1.37E+00	2.15E-02	1.47E-06	1.70E-02	9.90E-02	2.80E-02	8.45E-02	7.92E-02	1.54E+00
1072	490501.43	3859922.59	0.2929	0.55211	0.62069	0.7326	0.45997	0.45636	0.5387	0.55211	1.41E+00	2.35E-02	1.49E-06	1.77E-02	9.92E-02	2.95E-02	8.79E-02	8.65E-02	1.58E+00
1073	490551.43	3859922.59	0.29973	0.61778	0.48522	0.75772	0.42043	0.48614	0.5923	0.61778	1.44E+00	2.63E-02	1.16E-06	1.84E-02	9.07E-02	3.15E-02	9.67E-02	9.68E-02	1.61E+00
1074	490601.43	3859922.59	0.30621	0.67696	0.45587	0.80349	0.37987	0.5306	0.667	0.67696	1.47E+00	2.88E-02	1.09E-06	1.95E-02	8.19E-02	3.43E-02	1.09E-01	1.06E-01	1.64E+00
1075	482129.67	3852241.07	0.14608	0.48777	0.03532	0.06398	0.06151	0.09385	0.4906	0.48777	7.01E-01	2.08E-02	8.47E-08	1.55E-03	1.33E-02	6.07E-03	8.01E-02	7.64E-02	7.46E-01
1076	482029.67	3852291.07	0.14162	0.69203	0.03228	0.04635	0.05922	0.06661	0.6974	0.69203	6.80E-01	2.94E-02	7.74E-08	1.12E-03	1.28E-02	4.31E-03	1.14E-01	1.08E-01	7.33E-01
1077	482079.67	3852291.07	0.14209	0.63567	0.03796	0.06112	0.06013	0.07068	0.6407	0.63567	6.82E-01	2.70E-02	9.10E-08	1.48E-03	1.30E-02	4.57E-03	1.05E-01	9.96E-02	7.33E-01
1078	482129.67	3852291.07	0.14874	0.57135	0.03753	0.06846	0.06106	0.08989	0.5745	0.57135	7.14E-01	2.43E-02	9.00E-08	1.66E-03	1.32E-02	5.82E-03	9.38E-02	8.95E-02	7.63E-01
1079	482179.67	3852291.07	0.14703	0.48934	0.03927	0.06476	0.06197	0.09509	0.4913	0.48934	7.06E-01	2.08E-02	9.42E-08	1.57E-03	1.34E-02	6.15E-03	8.02E-02	7.67E-02	7.51E-01

1080	482229.67	3852291.07	0.16193	0.41368	0.04992	0.06128	0.06296	0.1046	0.4171	0.41368	7.77E-01	1.76E-02	1.20E-07	1.48E-03	1.36E-02	6.77E-03	6.81E-02	6.48E-02	8.20E-01
1081	482029.67	3852341.07	0.16635	0.79201	0.03293	0.04051	0.05859	0.0676	0.7788	0.79201	7.98E-01	3.37E-02	7.90E-08	9.81E-04	1.26E-02	4.37E-03	1.27E-01	1.24E-01	8.53E-01
1082	482079.67	3852341.07	0.1485	0.68348	0.03323	0.05197	0.05955	0.06944	0.6763	0.68348	7.13E-01	2.91E-02	7.97E-08	1.26E-03	1.28E-02	4.49E-03	1.10E-01	1.07E-01	7.64E-01
1083	482129.67	3852341.07	0.15289	0.61599	0.03957	0.06971	0.06048	0.08388	0.6211	0.61599	7.34E-01	2.62E-02	9.49E-08	1.69E-03	1.30E-02	5.43E-03	1.01E-01	9.65E-02	7.85E-01
1084	482179.67	3852341.07	0.15045	0.57038	0.03806	0.0693	0.06146	0.09579	0.5736	0.57038	7.22E-01	2.43E-02	9.13E-08	1.68E-03	1.33E-02	6.20E-03	9.36E-02	8.94E-02	7.72E-01
1085	482259.06	3852400.14	0.17212	0.5438	0.04938	0.06851	0.06206	0.11233	0.5485	0.5438	8.26E-01	2.31E-02	1.18E-07	1.66E-03	1.34E-02	7.27E-03	8.95E-02	8.52E-02	8.76E-01
1086	482309.06	3852400.14	0.20337	0.47743	0.05406	0.06487	0.06315	0.11346	0.4786	0.47743	9.76E-01	2.03E-02	1.30E-07	1.57E-03	1.36E-02	7.34E-03	7.81E-02	7.48E-02	1.02E+00
1087	482209.06	3852450.14	0.15607	0.64226	0.04123	0.07762	0.06055	0.09932	0.6668	0.64226	7.49E-01	2.73E-02	9.89E-08	1.88E-03	1.31E-02	6.43E-03	1.09E-01	1.01E-01	8.06E-01
1088	482259.06	3852450.14	0.1716	0.5813	0.04573	0.07344	0.06155	0.11341	0.5624	0.5813	8.23E-01	2.47E-02	1.10E-07	1.78E-03	1.33E-02	7.34E-03	9.18E-02	9.11E-02	8.71E-01
1089	482309.06	3852450.14	0.20501	0.53459	0.0552	0.06948	0.06265	0.11433	0.5358	0.53459	9.84E-01	2.27E-02	1.32E-07	1.68E-03	1.35E-02	7.40E-03	8.75E-02	8.37E-02	1.03E+00
1090	482209.06	3852500.14	0.16818	0.76159	0.04312	0.06501	0.06045	0.09923	0.7666	0.76159	8.07E-01	3.24E-02	1.03E-07	1.57E-03	1.30E-02	6.42E-03	1.25E-01	1.19E-01	8.66E-01
1091	482259.06	3852500.14	0.17265	0.64608	0.04189	0.07876	0.06099	0.11483	0.6594	0.64608	8.29E-01	2.75E-02	1.00E-07	1.91E-03	1.32E-02	7.43E-03	1.08E-01	1.01E-01	8.85E-01
1092	482309.06	3852500.14	0.20308	0.59241	0.05369	0.07449	0.06206	0.11549	0.5525	0.59241	9.75E-01	2.52E-02	1.29E-07	1.80E-03	1.34E-02	7.47E-03	9.02E-02	9.28E-02	1.02E+00
1093	482283.91	3852513.62	0.18617	0.63571	0.04673	0.07805	0.06133	0.11523	0.6172	0.63571	8.93E-01	2.70E-02	1.12E-07	1.89E-03	1.32E-02	7.46E-03	1.01E-01	9.96E-02	9.44E-01
1094	482333.91	3852513.62	0.21308	0.59371	0.05605	0.07377	0.06239	0.11719	0.5406	0.59371	1.02E+00	2.53E-02	1.34E-07	1.79E-03	1.35E-02	7.58E-03	8.82E-02	9.30E-02	1.07E+00
1095	482283.91	3852563.62	0.1871	0.72082	0.04351	0.08361	0.06165	0.11717	0.7274	0.72082	8.98E-01	3.07E-02	1.04E-07	2.03E-03	1.33E-02	7.58E-03	1.19E-01	1.13E-01	9.57E-01
1096	482333.91	3852563.62	0.22016	0.6424	0.05519	0.07905	0.0617	0.11809	0.6011	0.6424	1.06E+00	2.73E-02	1.32E-07	1.92E-03	1.33E-02	7.64E-03	9.81E-02	1.01E-01	1.10E+00
1097	482383.91	3852563.62	0.21158	0.58966	0.05596	0.07463	0.06271	0.12169	0.5527	0.58966	1.02E+00	2.51E-02	1.34E-07	1.81E-03	1.35E-02	7.87E-03	9.02E-02	9.24E-02	1.06E+00
1098	482283.91	3852613.62	0.18607	0.86412	0.04547	0.06973	0.06586	0.11929	0.8686	0.86412	8.93E-01	3.68E-02	1.09E-07	1.69E-03	1.42E-02	7.72E-03	1.42E-01	1.35E-01	9.60E-01
1099	482333.91	3852613.62	0.21994	0.71528	0.05135	0.0848	0.06315	0.11884	0.72	0.71528	1.06E+00	3.04E-02	1.23E-07	2.05E-03	1.36E-02	7.69E-03	1.18E-01	1.12E-01	1.11E+00
1100	482383.91	3852613.62	0.21895	0.63116	0.05729	0.08007	0.06208	0.12181	0.6127	0.63116	1.05E+00	2.69E-02	1.37E-07	1.94E-03	1.34E-02	7.88E-03	1.00E-01	9.89E-02	1.10E+00
1101	482602.38	3852600.87	0.19531	0.4302	0.09014	0.06348	0.06672	0.12678	0.4347	0.4302	9.37E-01	1.83E-02	2.16E-07	1.54E-03	1.44E-02	8.20E-03	7.10E-02	6.74E-02	9.83E-01
1102	482652.38	3852600.87	0.19016	0.39138	0.10356	0.05774	0.06756	0.1309	0.3812	0.39138	9.13E-01	1.67E-02	2.48E-07	1.40E-03	1.46E-02	8.47E-03	6.22E-02	6.13E-02	9.55E-01
1103	482702.38	3852600.87	0.18635	0.29428	0.08959	0.05468	0.06859	0.12686	0.2976	0.29428	8.94E-01	1.25E-02	2.15E-07	1.32E-03	1.48E-02	8.21E-03	4.86E-02	4.61E-02	9.34E-01
1104	482552.38	3852650.87	0.20436	0.48816	0.08608	0.0837	0.06521	0.13237	0.4911	0.48816	9.81E-01	2.08E-02	2.06E-07	2.03E-03	1.41E-02	8.56E-03	8.02E-02	7.65E-02	1.03E+00
1105	482602.38	3852650.87	0.19989	0.44652	0.08923	0.07335	0.06619	0.13138	0.45	0.44652	9.59E-01	1.90E-02	2.14E-07	1.78E-03	1.43E-02	8.50E-03	7.35E-02	6.99E-02	1.01E+00
1106	482652.38	3852650.87	0.19476	0.42202	0.10345	0.06503	0.06711	0.13148	0.4256	0.42202	9.35E-01	1.80E-02	2.48E-07	1.58E-03	1.45E-02	8.51E-03	6.95E-02	6.61E-02	9.81E-01
1107	482702.38	3852650.87	0.18928	0.3599	0.09558	0.05849	0.06793	0.13226	0.3636	0.3599	9.08E-01	1.53E-02	2.29E-07	1.42E-03	1.47E-02	8.56E-03	5.94E-02	5.64E-02	9.51E-01
1108	482552.38	3852700.87	0.20962	0.53795	0.09009	0.0986	0.06471	0.13555	0.5423	0.53795	1.01E+00	2.29E-02	2.16E-07	2.39E-03	1.40E-02	8.77E-03	8.85E-02	8.43E-02	1.06E+00
1109	482602.38	3852700.87	0.20416	0.50106	0.08813	0.08578	0.06564	0.13304	0.5057	0.50106	9.80E-01	2.13E-02	2.11E-07	2.08E-03	1.42E-02	8.61E-03	8.25E-02	7.85E-02	1.03E+00
1110	482652.38	3852700.87	0.19765	0.46268	0.1025	0.07544	0.0664	0.13201	0.4661	0.46268	9.49E-01	1.97E-02	2.46E-07	1.83E-03	1.43E-02	8.54E-03	7.61E-02	7.25E-02	9.96E-01
1111	482702.38	3852700.87	0.19312	0.4172	0.10191	0.0669	0.0674	0.13245	0.4207	0.4172	9.27E-01	1.78E-02	2.44E-07	1.62E-03	1.45E-02	8.57E-03	6.87E-02	6.54E-02	9.73E-01
1112	482452.38	3852750.87	0.23219	0.73621	0.06919	0.09019	0.06847	0.12731	0.7404	0.73621	1.11E+00	3.13E-02	1.66E-07	2.19E-03	1.48E-02	8.24E-03	1.21E-01	1.15E-01	1.18E+00
1113	482521.29	3852749.74	0.21826	0.64403	0.09027	0.08323	0.06422	0.13539	0.6422	0.64403	1.05E+00	2.74E-02	2.16E-07	2.02E-03	1.39E-02	8.76E-03	1.05E-01	1.01E-01	1.10E+00
1114	482571.29	3852749.74	0.21234	0.55454	0.09175	0.10294	0.06444	0.13797	0.5589	0.55454	1.02E+00	2.36E-02	2.20E-07	2.49E-03	1.39E-02	8.93E-03	9.12E-02	8.69E-02	1.07E+00
1115	482521.29	3852799.74	0.22468	0.72224	0.08599	0.08941	0.06894	0.13514	0.6942	0.72224	1.08E+00	3.07E-02	2.06E-07	2.17E-03	1.49E-02	8.74E-03	1.13E-01	1.13E-01	1.13E+00
1116	482571.29	3852799.74	0.21779	0.60186	0.09547	0.08965	0.06586	0.14054	0.642	0.60186	1.05E+00	2.56E-02	2.29E-07	2.17E-03	1.42E-02	9.09E-03	1.05E-01	9.43E-02	1.11E+00
1117	482621.29	3852799.74	0.21208	0.54633	0.09151	0.10843	0.06485	0.13814	0.5506	0.54633	1.02E+00	2.32E-02	2.19E-07	2.63E-03	1.40E-02	8.94E-03	8.99E-02	8.56E-02	1.07E+00
1118	482571.29	3852849.74	0.22412	0.71596	0.09962	0.0908	0.07059	0.14124	0.7203	0.71596	1.08E+00	3.05E-02	2.39E-07	2.20E-03	1.52E-02	9.14E-03	1.18E-01	1.12E-01	1.14E+00
1119	482621.29	3852849.74	0.21877	0.59008	0.09521	0.10816	0.06755	0.14269	0.5942	0.59008	1.05E+00	2.51E-02	2.28E-07	2.62E-03	1.46E-02	9.23E-03	9.70E-02	9.24E-02	1.11E+00
1120	482577.42	3852901.55	0.23493	0.81552	0.10407	0.09724	0.07454	0.14202	0.8198	0.81552	1.13E+00	3.47E-02	2.50E-07	2.36E-03	1.61E-02	9.19E-03	1.34E-01	1.28E-01	1.20E+00
1121	482627.42	3852901.55	0.22486	0.65099	0.10034	0.09827	0.0721	0.14533	0.689	0.65099	1.08E+00	2.77E-02	2.41E-07	2.38E-03	1.56E-02	9.40E-03	1.12E-01	1.02E-01	1.14E+00
1122	482629.96	3852955.85	0.23398	0.80805	0.10591	0.09923	0.07639	0.14798	0.813	0.80805	1.12E+00	3.44E-02	2.54E-07	2.40E-03	1.65E-02	9.57E-03	1.33E-01	1.27E-01	1.19E+00
1123	482679.96	3852955.85	0.22687	0.64268	0.10876	0.11992	0.07406	0.1502	0.6467	0.64268	1.09E+00	2.73E-02	2.61E-07	2.91E-03	1.60E-02	9.72E-03	1.06E-01	1.01E-01	1.15E+00
1124	482781.63	3853034.48	0.22588	0.51318	0.11619	0.12058	0.07558	0.14767	0.5363	0.51318	1.08E+00	2.18E-02	2.79E-07	2.92E-03	1.63E-02	9.55E-03	8.75E-02	8.04E-02	1.14E+00
1125	482831.63	3853034.48	0.22041	0.43337	0.09712	0.11357	0.07242	0.14272	0.4379	0.43337	1.06E+00	1.84E-02	2.33E-07	2.75E-03	1.56E-02	9.23E-03	7.15E-02	6.79E-02	1.11E+00
1126	482881.63	3853034.48	0.21536	0.38792	0.09435	0.11147	0.0687	0.14018	0.4008	0.38792	1.03E+00	1.65E-02	2.26E-07	2.70E-03	1.48E-02	9.07E-03	6.54E-02	6.08E-02	1.08E+00
1127	482781.63	3853084.48	0.2332	0.53205	0.1248	0.13195	0.07924	0.15522	0.57	0.53205	1.12E+00	2.26E-02	2.99E-07	3.20E-03	1.71E-02	1.00E-02	9.30E-02	8.33E-02	1.18E+00
1128	482831.63	3853084.48	0.22694	0.46165	0.10119	0.12078	0.07742	0.14809	0.4685	0.46165	1.09E+00	1.96E-02	2.43E-07	2.93E-03	1.67E-02	9.58E-03	7.65E-02	7.23E-02	1.14E+00
1129	482881.63	3853084.48	0.22128	0.40642	0.09927	0.11398	0.07431	0.14336	0.4221	0.40642	1.06E+00	1.73E-02	2.38E-07	2.76E-03	1.60E-02	9.28E-03	6.89E-02	6.37E-02	1.11E+00
1130	482781.63	3853134.48	0.24132	0.62443	0.134	0.14685	0.07919	0.16487	0.6341	0.62443	1.16E+00	2.66E-02	3.21E-07	3.56E-03	1.71E-02	1.07E-02	1.03E-01	9.78E-02	1.22E+00
1131	482831.63	3853134.48	0.23393	0.48153	0.10843	0.13174	0.0799	0.15549	0.4975	0.48153	1.12E+00	2.05E-02	2.60E-07	3.19E-03	1.72E-02	1.01E-02	8.12E-02	7.54E-02	1.18E+00
1132	482881.63	3853134.48	0.22709	0.43564	0.10402	0.1203	0.07926	0.14842	0.4399	0.43564	1.09E+00	1.85E-02	2.49E-07	2.91E-03	1.71E-02	9.60E-03	7.18E-02	6.82E-02	1.14E+00
1133	482831.63	3853184.48	0.24211	0.51263	0.11749	0.14664	0.08237	0.16517	0.5522	0.51263	1.16E+00	2.18E-02	2.82E-07	3.55E-03	1.78E-02	1.07E-02	9.01E-02	8.03E-02	1.23E+00
1134	482881.63	3853184.48	0.23405	0.4589	0.10908	0.13107	0.08049	0.15568	0.4656	0.4589	1.12E+00	1.95E-02	2.62E-07	3.18E-03	1.74E-02	1.01E-02	7.60E-02	7.19E-02	1.18E+00
1135	484154.84	3854250.98	0.3497	0.12148	0.14941	0.34775	0.10266	0.22577	0.1959	0.12148	1.68E+00	5.17E-03	3.58E-07	8.42E-03	2.21E-02	1.46E-02	3.20E-02	1.90E-02	1.74E+00
1136	484204.84	3854250.98	0.34634	0.11729	0.18563	0.34968	0.10325	0.21556	0.1882	0.11729	1.66E+00	4.99E-03	4.45E-07	8.47E-03	2.23E-02	1.39E-02	3.07E-02	1.84E-02	1.72E+00

1137	484154.84	3854300.98	0.3805	0.12418	0.21968	0.40046	0.11429	0.23353	0.2035	0.12418	1.83E+00	5.28E-03	5.27E-07	9.70E-03	2.46E-02	1.51E-02	3.32E-02	1.95E-02	1.89E+00
1138	484204.84	3854300.98	0.3637	0.11408	0.25488	0.3708	0.10377	0.22678	0.1958	0.11408	1.75E+00	4.85E-03	6.11E-07	8.98E-03	2.24E-02	1.47E-02	3.20E-02	1.79E-02	1.81E+00
1139	484074.19	3854519.8	0.52135	0.0891	0.30493	0.98471	0.1112	0.44496	0.3832	0.0891	2.50E+00	3.79E-03	7.31E-07	2.39E-02	2.40E-02	2.88E-02	6.25E-02	1.40E-02	2.63E+00
1140	484124.19	3854519.8	0.53069	0.09339	0.30402	0.8158	0.12475	0.37678	0.3289	0.09339	2.55E+00	3.97E-03	7.29E-07	1.98E-02	2.69E-02	2.44E-02	5.37E-02	1.46E-02	2.66E+00
1141	484074.19	3854569.8	0.54106	0.08842	0.39756	1.50244	0.09625	0.59666	0.4854	0.08842	2.60E+00	3.76E-03	9.53E-07	3.64E-02	2.08E-02	3.86E-02	7.92E-02	1.39E-02	2.76E+00
1142	484124.19	3854569.8	0.55247	0.08449	0.42008	1.04756	0.11	0.45913	0.4047	0.08449	2.65E+00	3.59E-03	1.01E-06	2.54E-02	2.37E-02	2.97E-02	6.61E-02	1.32E-02	2.79E+00
1143	485205.11	3855188.89	0.50295	0.10187	0.31809	1.04757	0.2269	0.48773	0.4259	0.10187	2.41E+00	4.33E-03	7.63E-07	2.54E-02	4.89E-02	3.16E-02	6.95E-02	1.60E-02	2.58E+00
1144	485255.11	3855188.89	0.49398	0.0911	0.29357	0.88249	0.22435	0.4352	0.3812	0.0911	2.37E+00	3.88E-03	7.04E-07	2.14E-02	4.84E-02	2.82E-02	6.22E-02	1.43E-02	2.52E+00
1145	485205.11	3855238.89	0.53329	0.10461	0.33749	1.29161	0.23057	0.53917	0.4889	0.10461	2.56E+00	4.45E-03	8.09E-07	3.13E-02	4.97E-02	3.49E-02	7.98E-02	1.64E-02	2.74E+00
1146	485255.11	3855238.89	0.51343	0.10187	0.31292	1.07448	0.23395	0.46744	0.4106	0.10187	2.46E+00	4.33E-03	7.50E-07	2.60E-02	5.05E-02	3.02E-02	6.70E-02	1.60E-02	2.63E+00
1147	485205.11	3855288.89	0.55255	0.1147	0.42728	2.04813	0.24422	0.69067	0.581	0.1147	2.65E+00	4.88E-03	1.02E-06	4.96E-02	5.27E-02	4.47E-02	9.48E-02	1.80E-02	2.88E+00
1148	485255.11	3855288.89	0.53138	0.10605	0.39274	1.48631	0.2422	0.56982	0.4772	0.10605	2.55E+00	4.51E-03	9.42E-07	3.60E-02	5.22E-02	3.69E-02	7.79E-02	1.66E-02	2.74E+00
1149	485255.11	3855338.89	0.5554	0.11482	0.4559	2.23042	0.24699	0.7532	0.629	0.11482	2.67E+00	4.89E-03	1.09E-06	5.40E-02	5.33E-02	4.87E-02	1.03E-01	1.80E-02	2.91E+00
1150	485305.11	3855338.89	0.53278	0.10699	0.44819	1.58764	0.25844	0.61568	0.503	0.10699	2.56E+00	4.55E-03	1.07E-06	3.85E-02	5.57E-02	3.98E-02	8.21E-02	1.68E-02	2.76E+00
1151	485852.5	3855635.28	0.49574	0.08764	0.45963	0.76268	0.35206	0.39976	0.3455	0.08764	2.38E+00	3.73E-03	1.10E-06	1.85E-02	7.59E-02	2.59E-02	5.64E-02	1.37E-02	2.55E+00
1152	485902.5	3855635.28	0.49855	0.08621	0.44473	0.67957	0.34181	0.35345	0.3217	0.08621	2.39E+00	3.67E-03	1.07E-06	1.65E-02	7.37E-02	2.29E-02	5.25E-02	1.35E-02	2.55E+00
1153	485852.5	3855685.28	0.50613	0.09124	0.48592	0.93899	0.30879	0.42698	0.3808	0.09124	2.43E+00	3.88E-03	1.17E-06	2.27E-02	6.66E-02	2.76E-02	6.22E-02	1.43E-02	2.60E+00
1154	485902.5	3855685.28	0.50728	0.08891	0.46315	0.76655	0.36624	0.40512	0.3488	0.08891	2.43E+00	3.78E-03	1.11E-06	1.86E-02	7.90E-02	2.62E-02	5.69E-02	1.39E-02	2.60E+00
1155	485852.5	3855735.28	0.51889	0.09552	0.48548	1.14038	0.33577	0.49887	0.4018	0.09552	2.49E+00	4.06E-03	1.16E-06	2.76E-02	7.24E-02	3.23E-02	6.56E-02	1.50E-02	2.68E+00
1156	485902.5	3855735.28	0.51609	0.09307	0.48521	0.9719	0.32225	0.42778	0.3811	0.09307	2.48E+00	3.96E-03	1.16E-06	2.35E-02	6.95E-02	2.77E-02	6.22E-02	1.46E-02	2.65E+00
1157	485852.5	3855785.28	0.53283	0.10008	0.59266	1.40809	0.39077	0.57497	0.4334	0.10008	2.56E+00	4.26E-03	1.42E-06	3.41E-02	8.43E-02	3.72E-02	7.07E-02	1.57E-02	2.77E+00
1158	485902.5	3855785.28	0.53002	0.09699	0.53427	1.15084	0.36659	0.50946	0.3993	0.09699	2.54E+00	4.13E-03	1.28E-06	2.79E-02	7.91E-02	3.30E-02	6.52E-02	1.52E-02	2.74E+00
1159	486809.46	3856465.28	0.51834	0.09426	0.36631	0.80259	1.56274	0.39467	0.3151	0.09426	2.49E+00	4.01E-03	8.79E-07	1.94E-02	3.37E-01	2.55E-02	5.14E-02	1.48E-02	2.91E+00
1160	486859.46	3856465.28	0.50199	0.08882	0.35834	0.72304	1.31981	0.38837	0.2975	0.08882	2.41E+00	3.78E-03	8.59E-07	1.75E-02	2.85E-01	2.51E-02	4.86E-02	1.39E-02	2.77E+00
1161	486909.46	3856465.28	0.48774	0.08796	0.34777	0.66652	1.61838	0.37188	0.2803	0.08796	2.34E+00	3.74E-03	8.34E-07	1.61E-02	3.49E-01	2.41E-02	4.58E-02	1.38E-02	2.77E+00
1162	486809.46	3856515.28	0.5351	0.09975	0.34793	0.93711	1.73656	0.42205	0.3257	0.09975	2.57E+00	4.24E-03	8.34E-07	2.27E-02	3.75E-01	2.73E-02	5.32E-02	1.56E-02	3.03E+00
1163	486859.46	3856515.28	0.51635	0.09499	0.35078	0.80557	1.83493	0.4058	0.3137	0.09499	2.48E+00	4.04E-03	8.41E-07	1.95E-02	3.96E-01	2.63E-02	5.12E-02	1.49E-02	2.96E+00
1164	486909.46	3856515.28	0.50006	0.09201	0.34606	0.72579	1.6416	0.41133	0.3029	0.09201	2.40E+00	3.91E-03	8.30E-07	1.76E-02	3.54E-01	2.66E-02	4.94E-02	1.44E-02	2.84E+00
1165	486980.94	3856357.95	0.4504	0.07991	0.30111	0.48568	1.06286	0.29809	0.2377	0.07991	2.16E+00	3.40E-03	7.22E-07	1.18E-02	2.29E-01	1.93E-02	3.88E-02	1.25E-02	2.45E+00
1166	487030.94	3856357.95	0.44028	0.08013	0.30623	0.45145	0.94632	0.28187	0.2274	0.08013	2.11E+00	3.41E-03	7.34E-07	1.09E-02	2.04E-01	1.82E-02	3.71E-02	1.26E-02	2.37E+00
1167	486980.94	3856407.95	0.45768	0.08371	0.29434	0.54128	1.26533	0.31181	0.2443	0.08371	2.20E+00	3.56E-03	7.06E-07	1.31E-02	2.73E-01	2.02E-02	3.99E-02	1.31E-02	2.53E+00
1168	487030.94	3856407.95	0.44708	0.08302	0.29709	0.48657	1.14437	0.30204	0.2329	0.08302	2.15E+00	3.53E-03	7.13E-07	1.18E-02	2.47E-01	1.95E-02	3.80E-02	1.30E-02	2.45E+00
1169	487447.18	3856437.45	0.38124	0.08927	0.23193	0.32277	1.69026	0.23848	0.1767	0.08927	1.83E+00	3.80E-03	5.56E-07	7.82E-03	3.65E-01	1.54E-02	2.88E-02	1.40E-02	2.24E+00
1170	487497.18	3856437.45	0.37455	0.09107	0.22782	0.30964	1.85133	0.2295	0.1726	0.09107	1.80E+00	3.87E-03	5.46E-07	7.50E-03	3.99E-01	1.48E-02	2.82E-02	1.43E-02	2.24E+00
1171	487547.18	3856437.45	0.368	0.09257	0.22488	0.29853	2.00802	0.22486	0.1688	0.09257	1.77E+00	3.94E-03	5.39E-07	7.23E-03	4.33E-01	1.45E-02	2.76E-02	1.45E-02	2.24E+00
1172	487447.18	3856487.45	0.38534	0.08726	0.26791	0.3436	2.09102	0.2462	0.183	0.08726	1.85E+00	3.71E-03	6.43E-07	8.32E-03	4.51E-01	1.59E-02	2.99E-02	1.37E-02	2.34E+00
1173	487497.18	3856487.45	0.37846	0.08862	0.25843	0.32403	2.12342	0.23686	0.1781	0.08862	1.82E+00	3.77E-03	6.20E-07	7.85E-03	4.58E-01	1.53E-02	2.91E-02	1.39E-02	2.32E+00
1174	487547.18	3856487.45	0.37158	0.0904	0.25	0.3129	2.20242	0.22977	0.1739	0.0904	1.78E+00	3.85E-03	6.00E-07	7.58E-03	4.75E-01	1.49E-02	2.84E-02	1.42E-02	2.30E+00
1175	487447.18	3856537.45	0.39004	0.08666	0.29611	0.38136	2.2626	0.25787	0.1894	0.08666	1.87E+00	3.69E-03	7.10E-07	9.24E-03	4.88E-01	1.67E-02	3.09E-02	1.36E-02	2.41E+00
1176	487497.18	3856537.45	0.38292	0.08643	0.28711	0.35394	2.33853	0.24896	0.1841	0.08643	1.84E+00	3.68E-03	6.89E-07	8.57E-03	5.04E-01	1.61E-02	3.00E-02	1.35E-02	2.39E+00
1177	487547.18	3856537.45	0.37558	0.08825	0.2787	0.32571	2.44271	0.23533	0.1793	0.08825	1.80E+00	3.75E-03	6.68E-07	7.89E-03	5.27E-01	1.52E-02	2.93E-02	1.38E-02	2.37E+00
1178	489285.89	3858826.54	0.4308	0.34909	0.40107	2.03039	0.93985	0.80443	0.3318	0.34909	2.07E+00	1.49E-02	9.62E-07	4.92E-02	2.03E-01	5.20E-02	5.42E-02	5.47E-02	2.39E+00
1179	489335.89	3858826.54	0.41832	0.33349	0.3819	1.61725	0.93551	0.73801	0.3107	0.33349	2.01E+00	1.42E-02	9.16E-07	3.92E-02	2.02E-01	4.78E-02	5.07E-02	5.22E-02	2.31E+00
1180	489385.89	3858826.54	0.40653	0.31849	0.35882	1.35841	0.86914	0.68406	0.2918	0.31849	1.95E+00	1.36E-02	8.61E-07	3.29E-02	1.87E-01	4.43E-02	4.76E-02	4.99E-02	2.23E+00
1181	489435.89	3858826.54	0.39506	0.3072	0.3343	1.18273	0.91803	0.63881	0.2753	0.3072	1.90E+00	1.31E-02	8.02E-07	2.87E-02	1.98E-01	4.13E-02	4.49E-02	4.81E-02	2.17E+00
1182	489485.89	3858826.54	0.38387	0.29371	0.35961	1.05305	0.94819	0.60324	0.262	0.29371	1.84E+00	1.25E-02	8.62E-07	2.55E-02	2.05E-01	3.90E-02	4.28E-02	4.60E-02	2.12E+00
1183	489535.89	3858826.54	0.37297	0.28017	0.5338	0.95278	0.83309	0.57294	0.2512	0.28017	1.79E+00	1.19E-02	1.28E-06	2.31E-02	1.80E-01	3.71E-02	4.10E-02	4.39E-02	2.04E+00
1184	489585.89	3858826.54	0.36228	0.27083	0.52651	0.874	0.86297	0.53992	0.2445	0.27083	1.74E+00	1.15E-02	1.26E-06	2.12E-02	1.86E-01	3.49E-02	3.99E-02	4.24E-02	1.99E+00
1185	489635.89	3858826.54	0.35199	0.25956	0.49111	0.80958	0.90541	0.50991	0.2353	0.25956	1.69E+00	1.10E-02	1.18E-06	1.96E-02	1.95E-01	3.30E-02	3.84E-02	4.07E-02	1.95E+00
1186	489685.89	3858826.54	0.34466	0.24934	0.4711	0.75955	0.88575	0.48395	0.2226	0.24934	1.65E+00	1.06E-02	1.13E-06	1.84E-02	1.91E-01	3.13E-02	3.63E-02	3.91E-02	1.90E+00
1187	489735.89	3858826.54	0.33758	0.23992	0.42373	0.72219	0.87849	0.46083	0.2125	0.23992	1.62E+00	1.02E-02	1.02E-06	1.75E-02	1.89E-01	2.98E-02	3.47E-02	3.76E-02	1.86E+00
1188	489785.89	3858826.54	0.33229	0.23236	0.41295	0.69071	0.88426	0.44376	0.2055	0.23236	1.59E+00	9.89E-03	9.90E-07	1.67E-02	1.91E-01	2.87E-02	3.35E-02	3.64E-02	1.84E+00
1189	489835.89	3858826.54	0.32581	0.22452	0.38277	0.66138	0.8526	0.42798	0.1983	0.22452	1.56E+00	9.55E-03	9.18E-07	1.60E-02	1.84E-01	2.77E-02	3.24E-02	3.52E-02	1.80E+00
1190	489885.89	3858826.54	0.32179	0.21844	0.37343	0.63626	0.79064	0.41802	0.1924	0.21844	1.54E+00	9.29E-03	8.96E-07	1.54E-02	1.71E-01	2.70E-02	3.14E-02	3.42E-02	1.76E+00
1191	489935.89	3858826.54	0.31838	0.21174	0.35606	0.61243	0.82618	0.40788	0.1869	0.21174	1.53E+00	9.01E-03	8.54E-07	1.48E-02	1.78E-01	2.64E-02	3.05E-02	3.32E-02	1.75E+00
1192	489985.89	3858826.54	0.31184	0.20509	0.32831	0.60565	0.92385	0.39732	0.1806	0.20509	1.50E+00	8.73E-03	7.87E-07	1.47E-02	1.99E-01	2.57E-02	2.95E-02	3.21E-02	1.74E+00
1193	490035.89	3858826.54	0.30659	0.19891	0.32982	0.60568	1.01816	0.38331	0.1748	0.19891	1.47E+00	8.46E-03	7.91E-07	1.47E-02	2.20E-01	2.48E-02	2.85E-02	3.12E-02	1.74E+00

1194	489285.89	3858876.54	0.4294	0.38248	0.39233	2.33713	0.81249	0.91742	0.3804	0.38248	2.06E+00	1.63E-02	9.41E-07	5.66E-02	1.75E-01	5.94E-02	6.21E-02	5.99E-02	2.37E+00
1195	489335.89	3858876.54	0.42147	0.36294	0.38983	1.79713	0.88684	0.81285	0.3486	0.36294	2.02E+00	1.54E-02	9.35E-07	4.35E-02	1.91E-01	5.26E-02	5.69E-02	5.69E-02	2.33E+00
1196	489385.89	3858876.54	0.41546	0.34525	0.38145	1.47992	0.90865	0.73864	0.3257	0.34525	1.99E+00	1.47E-02	9.15E-07	3.59E-02	1.96E-01	4.78E-02	5.32E-02	5.41E-02	2.29E+00
1197	489435.89	3858876.54	0.40512	0.32874	0.38322	1.27267	0.83959	0.68035	0.3058	0.32874	1.94E+00	1.40E-02	9.19E-07	3.08E-02	1.81E-01	4.40E-02	4.99E-02	5.15E-02	2.21E+00
1198	489485.89	3858876.54	0.39432	0.31422	0.36377	1.12682	0.88031	0.63312	0.2884	0.31422	1.89E+00	1.34E-02	8.72E-07	2.73E-02	1.90E-01	4.10E-02	4.71E-02	4.92E-02	2.16E+00
1199	489535.89	3858876.54	0.3837	0.30373	0.51351	1.0172	0.90596	0.59329	0.2721	0.30373	1.84E+00	1.29E-02	1.23E-06	2.46E-02	1.95E-01	3.84E-02	4.44E-02	4.76E-02	2.11E+00
1200	489585.89	3858876.54	0.37347	0.29249	0.55914	0.93025	0.79538	0.55979	0.257	0.29249	1.79E+00	1.24E-02	1.34E-06	2.25E-02	1.72E-01	3.62E-02	4.20E-02	4.58E-02	2.03E+00
1201	489635.89	3858876.54	0.36322	0.27993	0.53408	0.86165	0.82717	0.53311	0.2528	0.27993	1.74E+00	1.19E-02	1.28E-06	2.09E-02	1.78E-01	3.45E-02	4.13E-02	4.39E-02	1.99E+00
1202	489685.89	3858876.54	0.35333	0.26716	0.50884	0.80372	0.84787	0.50957	0.2455	0.26716	1.70E+00	1.14E-02	1.22E-06	1.95E-02	1.83E-01	3.30E-02	4.01E-02	4.19E-02	1.94E+00
1203	489735.89	3858876.54	0.34377	0.2576	0.43633	0.75388	0.85692	0.48867	0.2351	0.2576	1.65E+00	1.10E-02	1.05E-06	1.83E-02	1.85E-01	3.16E-02	3.84E-02	4.04E-02	1.89E+00
1204	489785.89	3858876.54	0.33417	0.24884	0.39501	0.71398	0.85286	0.47116	0.2257	0.24884	1.60E+00	1.06E-02	9.47E-07	1.73E-02	1.84E-01	3.05E-02	3.68E-02	3.90E-02	1.84E+00
1205	489835.89	3858876.54	0.32955	0.23994	0.39829	0.68591	0.83849	0.45208	0.2168	0.23994	1.58E+00	1.02E-02	9.55E-07	1.66E-02	1.81E-01	2.93E-02	3.54E-02	3.76E-02	1.82E+00
1206	489885.89	3858876.54	0.32562	0.23326	0.40185	0.65485	0.84612	0.44105	0.2102	0.23326	1.56E+00	9.92E-03	9.64E-07	1.59E-02	1.82E-01	2.85E-02	3.43E-02	3.65E-02	1.80E+00
1207	489935.89	3858876.54	0.31651	0.22458	0.37047	0.63066	0.77876	0.42809	0.2025	0.22458	1.52E+00	9.56E-03	8.89E-07	1.53E-02	1.68E-01	2.77E-02	3.31E-02	3.52E-02	1.74E+00
1208	489985.89	3858876.54	0.31275	0.21608	0.38192	0.61764	0.74576	0.41235	0.1939	0.21608	1.50E+00	9.19E-03	9.16E-07	1.50E-02	1.61E-01	2.67E-02	3.17E-02	3.38E-02	1.71E+00
1209	490035.89	3858876.54	0.30902	0.20873	0.30774	0.61095	0.84258	0.40709	0.1878	0.20873	1.48E+00	8.88E-03	7.38E-07	1.48E-02	1.82E-01	2.63E-02	3.07E-02	3.27E-02	1.71E+00
1210	489285.89	3858926.54	0.43511	0.4256	0.46193	2.98886	0.83133	1.17083	0.4277	0.4256	2.09E+00	1.81E-02	1.11E-06	7.24E-02	1.79E-01	7.58E-02	6.98E-02	6.67E-02	2.44E+00
1211	489335.89	3858926.54	0.41808	0.4006	0.38268	2.17946	0.77721	0.98395	0.3959	0.4006	2.01E+00	1.70E-02	9.18E-07	5.28E-02	1.68E-01	6.37E-02	6.46E-02	6.28E-02	2.31E+00
1212	489385.89	3858926.54	0.41341	0.37779	0.3669	1.73004	0.85467	0.85377	0.3723	0.37779	1.98E+00	1.61E-02	8.80E-07	4.19E-02	1.84E-01	5.52E-02	6.08E-02	5.92E-02	2.28E+00
1213	489435.89	3858926.54	0.40683	0.35936	0.43313	1.43995	0.88254	0.76755	0.3396	0.35936	1.95E+00	1.53E-02	1.04E-06	3.49E-02	1.90E-01	4.97E-02	5.54E-02	5.63E-02	2.24E+00
1214	489485.89	3858926.54	0.39897	0.34156	0.45312	1.24081	0.81563	0.70428	0.319	0.34156	1.91E+00	1.45E-02	1.09E-06	3.01E-02	1.76E-01	4.56E-02	5.21E-02	5.35E-02	2.18E+00
1215	489535.89	3858926.54	0.39237	0.32524	0.51398	1.11317	0.84535	0.65401	0.3014	0.32524	1.88E+00	1.38E-02	1.23E-06	2.70E-02	1.82E-01	4.23E-02	4.92E-02	5.09E-02	2.15E+00
1216	489585.89	3858926.54	0.38323	0.31147	0.55361	1.01701	0.86717	0.61261	0.2851	0.31147	1.84E+00	1.33E-02	1.33E-06	2.46E-02	1.87E-01	3.96E-02	4.65E-02	4.88E-02	2.10E+00
1217	489635.89	3858926.54	0.37346	0.29867	0.53737	0.93821	0.7585	0.57787	0.2697	0.29867	1.79E+00	1.27E-02	1.29E-06	2.27E-02	1.64E-01	3.74E-02	4.40E-02	4.68E-02	2.03E+00
1218	489685.89	3858926.54	0.36395	0.29021	0.5861	0.87089	0.793	0.5467	0.2593	0.29021	1.75E+00	1.23E-02	1.41E-06	2.11E-02	1.71E-01	3.54E-02	4.23E-02	4.55E-02	1.98E+00
1219	489735.89	3858926.54	0.35424	0.27989	0.48674	0.81376	0.81541	0.52091	0.2506	0.27989	1.70E+00	1.19E-02	1.17E-06	1.97E-02	1.76E-01	3.37E-02	4.09E-02	4.38E-02	1.94E+00
1220	489785.89	3858926.54	0.34461	0.26756	0.42444	0.76202	0.82637	0.4951	0.2423	0.26756	1.65E+00	1.14E-02	1.02E-06	1.85E-02	1.78E-01	3.20E-02	3.96E-02	4.19E-02	1.89E+00
1221	489835.89	3858926.54	0.33548	0.25684	0.36718	0.71497	0.82731	0.47091	0.2381	0.25684	1.61E+00	1.09E-02	8.81E-07	1.73E-02	1.78E-01	3.05E-02	3.89E-02	4.02E-02	1.85E+00
1222	489885.89	3858926.54	0.32629	0.24872	0.36252	0.68563	0.81614	0.45242	0.229	0.24872	1.57E+00	1.06E-02	8.69E-07	1.66E-02	1.76E-01	2.93E-02	3.74E-02	3.90E-02	1.80E+00
1223	489935.89	3858926.54	0.3245	0.24005	0.36618	0.65242	0.81699	0.43796	0.2194	0.24005	1.56E+00	1.02E-02	8.78E-07	1.58E-02	1.76E-01	2.83E-02	3.58E-02	3.76E-02	1.79E+00
1224	489985.89	3858926.54	0.31715	0.23123	0.37527	0.6212	0.76715	0.42312	0.2105	0.23123	1.52E+00	9.84E-03	9.00E-07	1.50E-02	1.65E-01	2.74E-02	3.44E-02	3.62E-02	1.74E+00
1225	490035.89	3858926.54	0.30872	0.22022	0.37311	0.59686	0.73211	0.40778	0.2004	0.22022	1.48E+00	9.37E-03	8.95E-07	1.45E-02	1.58E-01	2.64E-02	3.27E-02	3.45E-02	1.69E+00
1226	489335.89	3858976.54	0.43365	0.45424	0.51266	3.25556	0.7856	1.36664	0.4474	0.45424	2.08E+00	1.93E-02	1.23E-06	7.89E-02	1.69E-01	8.84E-02	7.30E-02	7.12E-02	2.44E+00
1227	489385.89	3858976.54	0.42919	0.42128	0.4059	2.25368	0.74537	1.09383	0.4105	0.42128	2.06E+00	1.79E-02	9.73E-07	5.46E-02	1.61E-01	7.08E-02	6.70E-02	6.60E-02	2.36E+00
1228	489435.89	3858976.54	0.41795	0.39653	0.44697	1.75181	0.82285	0.93369	0.3861	0.39653	2.01E+00	1.69E-02	1.07E-06	4.24E-02	1.77E-01	6.04E-02	6.30E-02	6.21E-02	2.30E+00
1229	489485.89	3858976.54	0.39822	0.37331	0.51756	1.45478	0.85691	0.82639	0.3644	0.37331	1.91E+00	1.59E-02	1.24E-06	3.52E-02	1.85E-01	5.35E-02	5.95E-02	5.85E-02	2.20E+00
1230	489535.89	3858976.54	0.39172	0.35559	0.5264	1.26466	0.79298	0.7476	0.3348	0.35559	1.88E+00	1.51E-02	1.26E-06	3.06E-02	1.71E-01	4.84E-02	5.47E-02	5.57E-02	2.14E+00
1231	489585.89	3858976.54	0.387	0.33924	0.60442	1.11151	0.81145	0.68805	0.3163	0.33924	1.86E+00	1.44E-02	1.45E-06	2.69E-02	1.75E-01	4.45E-02	5.16E-02	5.31E-02	2.12E+00
1232	489635.89	3858976.54	0.38134	0.32295	0.64621	0.99288	0.82993	0.63937	0.2991	0.32295	1.83E+00	1.37E-02	1.55E-06	2.41E-02	1.79E-01	4.14E-02	4.88E-02	5.06E-02	2.09E+00
1233	489685.89	3858976.54	0.37315	0.30727	0.59815	0.9097	0.72396	0.59822	0.2819	0.30727	1.79E+00	1.31E-02	1.43E-06	2.20E-02	1.56E-01	3.87E-02	4.60E-02	4.81E-02	2.02E+00
1234	489735.89	3858976.54	0.36369	0.29518	0.52411	0.84343	0.75871	0.56231	0.2676	0.29518	1.75E+00	1.26E-02	1.26E-06	2.04E-02	1.64E-01	3.64E-02	4.37E-02	4.62E-02	1.98E+00
1235	489785.89	3858976.54	0.35413	0.28498	0.47869	0.78857	0.78279	0.53176	0.2559	0.28498	1.70E+00	1.21E-02	1.15E-06	1.91E-02	1.69E-01	3.44E-02	4.18E-02	4.46E-02	1.93E+00
1236	489835.89	3858976.54	0.34487	0.27555	0.39361	0.75659	0.80441	0.50298	0.245	0.27555	1.65E+00	1.17E-02	9.44E-07	1.83E-02	1.73E-01	3.25E-02	4.00E-02	4.32E-02	1.89E+00
1237	489885.89	3858976.54	0.33631	0.26835	0.39152	0.73066	0.80219	0.47663	0.2436	0.26835	1.61E+00	1.14E-02	9.39E-07	1.77E-02	1.73E-01	3.08E-02	3.98E-02	4.20E-02	1.84E+00
1238	489935.89	3858976.54	0.32774	0.25535	0.34122	0.69048	0.79556	0.45859	0.236	0.25535	1.57E+00	1.09E-02	8.18E-07	1.67E-02	1.72E-01	2.97E-02	3.85E-02	4.00E-02	1.80E+00
1239	489985.89	3858976.54	0.32063	0.24593	0.32379	0.65504	0.77988	0.44567	0.2272	0.24593	1.54E+00	1.05E-02	7.77E-07	1.59E-02	1.68E-01	2.88E-02	3.71E-02	3.85E-02	1.76E+00
1240	490035.89	3858976.54	0.31917	0.22944	0.33353	0.61437	0.76609	0.41739	0.2083	0.22944	1.53E+00	9.76E-03	8.00E-07	1.49E-02	1.65E-01	2.70E-02	3.40E-02	3.59E-02	1.75E+00
1241	489385.89	3859026.54	0.45944	0.48589	0.5105	3.11904	0.74304	1.72048	0.4764	0.48589	2.20E+00	2.07E-02	1.22E-06	7.56E-02	1.60E-01	1.11E-01	7.78E-02	7.61E-02	2.57E+00
1242	489435.89	3859026.54	0.46069	0.44785	0.463	2.49279	0.71808	1.20064	0.4362	0.44785	2.21E+00	1.91E-02	1.11E-06	6.04E-02	1.55E-01	7.77E-02	7.12E-02	7.02E-02	2.52E+00
1243	489485.89	3859026.54	0.42479	0.41569	0.50507	1.87274	0.79508	1.00516	0.4026	0.41569	2.04E+00	1.77E-02	1.21E-06	4.54E-02	1.71E-01	6.50E-02	6.57E-02	6.51E-02	2.34E+00
1244	489535.89	3859026.54	0.40304	0.39204	0.53804	1.49545	0.83315	0.87794	0.3771	0.39204	1.93E+00	1.67E-02	1.29E-06	3.62E-02	1.80E-01	5.68E-02	6.16E-02	6.14E-02	2.22E+00
1245	489585.89	3859026.54	0.38554	0.37082	0.64708	1.29498	0.77111	0.79045	0.3561	0.37082	1.85E+00	1.58E-02	1.55E-06	3.14E-02	1.66E-01	5.11E-02	5.81E-02	5.81E-02	2.11E+00
1246	489635.89	3859026.54	0.37603	0.35274	0.79617	1.16109	0.78005	0.72023	0.3293	0.35274	1.80E+00	1.50E-02	1.91E-06	2.81E-02	1.68E-01	4.66E-02	5.38E-02	5.53E-02	2.06E+00
1247	489685.89	3859026.54	0.36804	0.33595	0.75021	1.0486	0.7954	0.65998	0.3109	0.33595	1.77E+00	1.43E-02	1.80E-06	2.54E-02	1.72E-01	4.27E-02	5.07E-02	5.26E-02	2.02E+00
1248	489735.89	3859026.54	0.36133	0.32185	0.63577	0.94366	0.68966	0.61243	0.2951	0.32185	1.73E+00	1.37E-02	1.52E-06	2.29E-02	1.49E-01	3.96E-02	4.82E-02	5.04E-02	1.96E+00
1249	489785.89	3859026.54	0.35639	0.30832	0.53254	0.8646	0.72488	0.5748	0.2809	0.30832	1.71E+00	1.31E-02	1.28E-06	2.09E-02	1.56E-01	3.72E-02	4.58E-02	4.83E-02	1.94E+00
1250	489835.89	3859026.54	0.35263	0.29349	0.46097	0.81102	0.753	0.54427	0.2644	0.29349	1.69E+00	1.25E-02	1.11E-06	1.96E-02	1.62E-01	3.52E-02	4.32E-02	4.60E-02	1.92E+00

1251	489885.89	3859026.54	0.34567	0.28353	0.42564	0.78359	0.77058	0.5136	0.2514	0.28353	1.66E+00	1.21E-02	1.02E-06	1.90E-02	1.66E-01	3.32E-02	4.10E-02	4.44E-02	1.89E+00
1252	489935.89	3859026.54	0.33739	0.27476	0.38732	0.73407	0.77848	0.48544	0.2488	0.27476	1.62E+00	1.17E-02	9.29E-07	1.78E-02	1.68E-01	3.14E-02	4.06E-02	4.30E-02	1.85E+00
1253	489985.89	3859026.54	0.32922	0.26503	0.34828	0.69146	0.77153	0.47131	0.2421	0.26503	1.58E+00	1.13E-02	8.35E-07	1.68E-02	1.66E-01	3.05E-02	3.95E-02	4.15E-02	1.80E+00
1254	490035.89	3859026.54	0.32367	0.24762	0.40651	0.63821	0.77206	0.43575	0.2194	0.24762	1.55E+00	1.05E-02	9.75E-07	1.55E-02	1.67E-01	2.82E-02	3.58E-02	3.88E-02	1.77E+00
1255	489485.89	3859076.54	0.44055	0.47731	0.54598	3.10043	0.69341	1.35808	0.4662	0.47731	2.11E+00	2.03E-02	1.31E-06	7.51E-02	1.50E-01	8.79E-02	7.61E-02	7.48E-02	2.45E+00
1256	489535.89	3859076.54	0.42196	0.44204	0.64591	2.10046	0.76831	1.08562	0.4274	0.44204	2.02E+00	1.88E-02	1.55E-06	5.09E-02	1.66E-01	7.02E-02	6.98E-02	6.92E-02	2.33E+00
1257	489585.89	3859076.54	0.41705	0.41105	0.72078	1.63067	0.8113	0.92562	0.3953	0.41105	2.00E+00	1.75E-02	1.73E-06	3.95E-02	1.75E-01	5.99E-02	6.45E-02	6.44E-02	2.29E+00
1258	489635.89	3859076.54	0.39694	0.38787	1.0095	1.36311	0.74923	0.82089	0.3722	0.38787	1.90E+00	1.65E-02	2.42E-06	3.30E-02	1.62E-01	5.31E-02	6.08E-02	6.08E-02	2.17E+00
1259	489685.89	3859076.54	0.38754	0.3658	0.96084	1.19984	0.74844	0.75293	0.3486	0.3658	1.86E+00	1.56E-02	2.30E-06	2.91E-02	1.61E-01	4.87E-02	5.69E-02	5.73E-02	2.11E+00
1260	489735.89	3859076.54	0.37884	0.34935	0.79653	1.08405	0.76097	0.68402	0.3266	0.34935	1.82E+00	1.49E-02	1.91E-06	2.63E-02	1.64E-01	4.43E-02	5.33E-02	5.47E-02	2.07E+00
1261	489785.89	3859076.54	0.36652	0.33266	0.63674	0.99304	0.65733	0.62947	0.3091	0.33266	1.76E+00	1.42E-02	1.53E-06	2.41E-02	1.42E-01	4.07E-02	5.05E-02	5.21E-02	1.98E+00
1262	489835.89	3859076.54	0.3535	0.31855	0.53305	0.90996	0.69437	0.58525	0.2928	0.31855	1.70E+00	1.36E-02	1.28E-06	2.20E-02	1.50E-01	3.79E-02	4.78E-02	4.99E-02	1.92E+00
1263	489885.89	3859076.54	0.34865	0.30427	0.44077	0.84755	0.7236	0.55498	0.2774	0.30427	1.67E+00	1.29E-02	1.06E-06	2.05E-02	1.56E-01	3.59E-02	4.53E-02	4.77E-02	1.90E+00
1264	489935.89	3859076.54	0.34361	0.29102	0.44311	0.7911	0.74332	0.52774	0.2624	0.29102	1.65E+00	1.24E-02	1.06E-06	1.92E-02	1.60E-01	3.41E-02	4.28E-02	4.56E-02	1.87E+00
1265	489985.89	3859076.54	0.33807	0.27975	0.42539	0.7386	0.75479	0.50416	0.2532	0.27975	1.62E+00	1.19E-02	1.02E-06	1.79E-02	1.63E-01	3.26E-02	4.13E-02	4.38E-02	1.85E+00
1266	490035.89	3859076.54	0.3323	0.26401	0.53231	0.67208	0.76243	0.46511	0.2372	0.26401	1.59E+00	1.12E-02	1.28E-06	1.63E-02	1.64E-01	3.01E-02	3.87E-02	4.14E-02	1.81E+00
1267	489585.89	3859126.54	0.46407	0.46921	0.79898	2.48614	0.7422	1.19518	0.4637	0.46921	2.23E+00	2.00E-02	1.92E-06	6.02E-02	1.60E-01	7.73E-02	7.57E-02	7.35E-02	2.55E+00
1268	489635.89	3859126.54	0.44222	0.43364	1.02182	1.80605	0.78737	1.00061	0.4266	0.43364	2.12E+00	1.85E-02	2.45E-06	4.38E-02	1.70E-01	6.47E-02	6.96E-02	6.79E-02	2.42E+00
1269	489685.89	3859126.54	0.40681	0.40678	1.29334	1.48641	0.72791	0.87634	0.3958	0.40678	1.95E+00	1.73E-02	3.10E-06	3.60E-02	1.57E-01	5.67E-02	6.46E-02	6.37E-02	2.22E+00
1270	489735.89	3859126.54	0.38656	0.38527	1.00534	1.28003	0.71886	0.78734	0.3739	0.38527	1.86E+00	1.64E-02	2.41E-06	3.10E-02	1.55E-01	5.09E-02	6.10E-02	6.04E-02	2.11E+00
1271	489785.89	3859126.54	0.3773	0.36277	0.83972	1.12806	0.72969	0.71818	0.3464	0.36277	1.81E+00	1.54E-02	2.01E-06	2.73E-02	1.57E-01	4.65E-02	5.65E-02	5.68E-02	2.06E+00
1272	489835.89	3859126.54	0.36329	0.3451	0.65922	1.01696	0.62783	0.65729	0.3264	0.3451	1.74E+00	1.47E-02	1.58E-06	2.46E-02	1.35E-01	4.25E-02	5.33E-02	5.41E-02	1.96E+00
1273	489885.89	3859126.54	0.3538	0.32715	0.59999	0.9325	0.66576	0.60648	0.3078	0.32715	1.70E+00	1.39E-02	1.44E-06	2.26E-02	1.44E-01	3.92E-02	5.02E-02	5.12E-02	1.92E+00
1274	489935.89	3859126.54	0.34645	0.31389	0.53885	0.86675	0.69561	0.56979	0.2921	0.31389	1.66E+00	1.34E-02	1.29E-06	2.10E-02	1.50E-01	3.69E-02	4.77E-02	4.92E-02	1.88E+00
1275	489985.89	3859126.54	0.33997	0.29449	0.58721	0.7982	0.72047	0.53282	0.2731	0.29449	1.63E+00	1.25E-02	1.41E-06	1.93E-02	1.55E-01	3.45E-02	4.46E-02	4.61E-02	1.85E+00
1276	490035.89	3859126.54	0.33345	0.28452	0.9178	0.7391	0.73466	0.49625	0.2598	0.28452	1.60E+00	1.21E-02	2.20E-06	1.79E-02	1.58E-01	3.21E-02	4.24E-02	4.46E-02	1.82E+00
1277	489585.89	3859176.54	0.50411	0.55722	1.08777	3.74825	0.64799	1.98315	0.5396	0.55722	2.42E+00	2.37E-02	2.61E-06	9.08E-02	1.40E-01	1.28E-01	8.81E-02	8.73E-02	2.80E+00
1278	489635.89	3859176.54	0.47339	0.50557	1.30907	3.05373	0.71704	1.37866	0.4965	0.50557	2.27E+00	2.15E-02	3.14E-06	7.40E-02	1.55E-01	8.92E-02	8.10E-02	7.92E-02	2.61E+00
1279	489685.89	3859176.54	0.43634	0.46416	1.73953	2.08418	0.76174	1.07559	0.4553	0.46416	2.09E+00	1.97E-02	4.17E-06	5.05E-02	1.64E-01	6.96E-02	7.43E-02	7.27E-02	2.40E+00
1280	489735.89	3859176.54	0.41217	0.42966	1.44665	1.62887	0.70691	0.92402	0.422	0.42966	1.98E+00	1.83E-02	3.47E-06	3.95E-02	1.52E-01	5.98E-02	6.89E-02	6.73E-02	2.25E+00
1281	489785.89	3859176.54	0.39742	0.40292	1.12387	1.36116	0.69091	0.8193	0.3961	0.40292	1.91E+00	1.71E-02	2.70E-06	3.30E-02	1.49E-01	5.30E-02	6.46E-02	6.31E-02	2.16E+00
1282	489835.89	3859176.54	0.37875	0.38069	0.80436	1.17892	0.7011	0.7355	0.3698	0.38069	1.82E+00	1.62E-02	1.93E-06	2.86E-02	1.51E-01	4.76E-02	6.04E-02	5.96E-02	2.06E+00
1283	489885.89	3859176.54	0.36737	0.35742	0.59205	1.05145	0.60015	0.67568	0.3403	0.35742	1.76E+00	1.52E-02	1.42E-06	2.55E-02	1.29E-01	4.37E-02	5.55E-02	5.60E-02	1.98E+00
1284	489935.89	3859176.54	0.35954	0.33969	0.7531	0.9519	0.63731	0.62969	0.3239	0.33969	1.73E+00	1.45E-02	1.81E-06	2.31E-02	1.37E-01	4.07E-02	5.29E-02	5.32E-02	1.94E+00
1285	489985.89	3859176.54	0.35312	0.31932	1.00811	0.87402	0.67122	0.57844	0.3031	0.31932	1.69E+00	1.36E-02	2.42E-06	2.12E-02	1.45E-01	3.74E-02	4.95E-02	5.00E-02	1.91E+00
1286	490035.89	3859176.54	0.3457	0.30225	0.94159	0.81161	0.69431	0.54499	0.2859	0.30225	1.66E+00	1.29E-02	2.26E-06	1.97E-02	1.50E-01	3.53E-02	4.67E-02	4.73E-02	1.88E+00
1287	489685.89	3859226.54	0.46343	0.54918	2.39656	3.35854	0.69344	1.77449	0.5287	0.54918	2.22E+00	2.34E-02	5.75E-06	8.14E-02	1.50E-01	1.15E-01	8.63E-02	8.60E-02	2.59E+00
1288	489735.89	3859226.54	0.44784	0.50034	2.23337	2.45403	0.73264	1.17411	0.484	0.50034	2.15E+00	2.13E-02	5.36E-06	5.95E-02	1.58E-01	7.60E-02	7.90E-02	7.84E-02	2.46E+00
1289	489785.89	3859226.54	0.42219	0.45895	1.48963	1.81845	0.68859	0.98397	0.4466	0.45895	2.03E+00	1.95E-02	3.57E-06	4.41E-02	1.49E-01	6.37E-02	7.29E-02	7.19E-02	2.30E+00
1290	489835.89	3859226.54	0.40761	0.4232	1.08192	1.47679	0.66556	0.85189	0.4179	0.4232	1.96E+00	1.80E-02	2.59E-06	3.58E-02	1.44E-01	5.51E-02	6.82E-02	6.63E-02	2.21E+00
1291	489885.89	3859226.54	0.39446	0.39694	1.02259	1.26003	0.675	0.74899	0.393	0.39694	1.89E+00	1.69E-02	2.45E-06	3.05E-02	1.46E-01	4.85E-02	6.42E-02	6.22E-02	2.14E+00
1292	489935.89	3859226.54	0.3707	0.37394	1.30439	1.1063	0.57384	0.68337	0.3575	0.37394	1.78E+00	1.59E-02	3.13E-06	2.68E-02	1.24E-01	4.42E-02	5.84E-02	5.86E-02	1.99E+00
1293	489985.89	3859226.54	0.36084	0.3449	1.27007	0.97094	0.61483	0.63014	0.3329	0.3449	1.73E+00	1.47E-02	3.05E-06	2.35E-02	1.33E-01	4.08E-02	5.43E-02	5.40E-02	1.94E+00
1294	490035.89	3859226.54	0.35124	0.32711	1.29161	0.8905	0.64546	0.59408	0.3166	0.32711	1.69E+00	1.39E-02	3.10E-06	2.16E-02	1.39E-01	3.84E-02	5.17E-02	5.12E-02	1.90E+00
1295	489735.89	3859276.54	0.50417	0.60196	3.84208	3.58776	0.67028	1.94762	0.5631	0.60196	2.42E+00	2.56E-02	9.21E-06	8.69E-02	1.45E-01	1.26E-01	9.19E-02	9.43E-02	2.80E+00
1296	489785.89	3859276.54	0.47639	0.54165	2.16653	3.11099	0.7059	1.38363	0.5171	0.54165	2.29E+00	2.30E-02	5.20E-06	7.54E-02	1.52E-01	8.95E-02	8.44E-02	8.49E-02	2.63E+00
1297	489835.89	3859276.54	0.43864	0.49136	1.53504	2.10116	0.67224	1.06319	0.4757	0.49136	2.10E+00	2.09E-02	3.68E-06	5.09E-02	1.45E-01	6.88E-02	7.76E-02	7.70E-02	2.39E+00
1298	489885.89	3859276.54	0.41315	0.45143	2.05143	1.62053	0.64079	0.88823	0.4483	0.45143	1.98E+00	1.92E-02	4.92E-06	3.93E-02	1.38E-01	5.75E-02	7.32E-02	7.07E-02	2.24E+00
1299	489935.89	3859276.54	0.39049	0.41763	2.10368	1.35256	0.65061	0.77604	0.4155	0.41763	1.87E+00	1.78E-02	5.05E-06	3.28E-02	1.40E-01	5.02E-02	6.78E-02	6.54E-02	2.12E+00
1300	489985.89	3859276.54	0.37367	0.38793	1.93891	1.12607	0.55268	0.67856	0.3742	0.38793	1.79E+00	1.65E-02	4.65E-06	2.73E-02	1.19E-01	4.39E-02	6.11E-02	6.08E-02	2.00E+00
1301	490035.89	3859276.54	0.35971	0.36561	2.03128	1.03544	0.58731	0.64061	0.3488	0.36561	1.73E+00	1.56E-02	4.87E-06	2.51E-02	1.27E-01	4.14E-02	5.69E-02	5.73E-02	1.93E+00
1302	490458.06	3859590.74	0.38488	0.51372	1.11424	1.86426	0.50555	1.00527	0.5157	0.51372	1.85E+00	2.19E-02	2.67E-06	4.52E-02	1.09E-01	6.50E-02	8.42E-02	8.05E-02	2.09E+00
1303	490508.06	3859590.74	0.36513	0.46752	1.09808	1.49706	0.53055	0.88427	0.4667	0.46752	1.75E+00	1.99E-02	2.63E-06	3.63E-02	1.14E-01	5.72E-02	7.62E-02	7.32E-02	1.98E+00
1304	490558.06	3859590.74	0.34708	0.42246	1.08681	1.25896	0.55034	0.7701	0.4071	0.42246	1.67E+00	1.80E-02	2.61E-06	3.05E-02	1.19E-01	4.98E-02	6.64E-02	6.62E-02	1.88E+00
1305	490608.06	3859590.74	0.33377	0.38704	1.02034	1.06258	0.55102	0.67922	0.3691	0.38704	1.60E+00	1.65E-02	2.45E-06	2.57E-02	1.19E-01	4.39E-02	6.03E-02	6.06E-02	1.81E+00
1306	490658.06	3859590.74	0.3225	0.34714	0.96557	0.92709	0.55199	0.60846	0.3434	0.34714	1.55E+00	1.48E-02	2.32E-06	2.25E-02	1.19E-01	3.94E-02	5.60E-02	5.44E-02	1.74E+00
1307	490708.06	3859590.74	0.31678	0.3299	0.90093	0.81654	0.56705	0.55334	0.32	0.3299	1.52E+00	1.40E-02	2.16E-06	1.98E-02	1.22E-01	3.58E-02	5.22E-02	5.17E-02	1.71E+00

1308	490758.06	3859590.74	0.31192	0.30485	0.86137	0.7336	0.53989	0.50627	0.2946	0.30485	1.50E+00	1.30E-02	2.07E-06	1.78E-02	1.16E-01	3.28E-02	4.81E-02	4.78E-02	1.68E+00
1309	490808.06	3859590.74	0.30674	0.28251	0.83231	0.67571	0.50915	0.47721	0.2737	0.28251	1.47E+00	1.20E-02	2.00E-06	1.64E-02	1.10E-01	3.09E-02	4.47E-02	4.43E-02	1.64E+00
1310	490858.06	3859590.74	0.30201	0.26513	0.79812	0.62382	0.49642	0.43661	0.2544	0.26513	1.45E+00	1.13E-02	1.91E-06	1.51E-02	1.07E-01	2.82E-02	4.15E-02	4.15E-02	1.61E+00
1311	490458.06	3859640.74	0.43929	0.64939	0.93691	4.06163	0.45739	1.53729	0.6547	0.64939	2.11E+00	2.76E-02	2.25E-06	9.84E-02	9.86E-02	9.95E-02	1.07E-01	1.02E-01	2.44E+00
1312	490508.06	3859640.74	0.40455	0.5845	0.91109	2.66877	0.4861	1.20654	0.5912	0.5845	1.94E+00	2.49E-02	2.19E-06	6.47E-02	1.05E-01	7.81E-02	9.65E-02	9.16E-02	2.22E+00
1313	490558.06	3859640.74	0.37902	0.53205	0.90525	1.89383	0.51104	1.02408	0.5357	0.53205	1.82E+00	2.26E-02	2.17E-06	4.59E-02	1.10E-01	6.63E-02	8.74E-02	8.33E-02	2.07E+00
1314	490608.06	3859640.74	0.35747	0.46284	0.8782	1.50219	0.53256	0.87829	0.4618	0.46284	1.72E+00	1.97E-02	2.11E-06	3.64E-02	1.15E-01	5.68E-02	7.54E-02	7.25E-02	1.95E+00
1315	490658.06	3859640.74	0.33921	0.41652	0.88737	1.23709	0.54654	0.74829	0.4123	0.41652	1.63E+00	1.77E-02	2.13E-06	3.00E-02	1.18E-01	4.84E-02	6.73E-02	6.52E-02	1.84E+00
1316	490708.06	3859640.74	0.32654	0.37131	0.90372	1.04633	0.51666	0.65882	0.375	0.37131	1.57E+00	1.58E-02	2.17E-06	2.53E-02	1.11E-01	4.26E-02	6.12E-02	5.82E-02	1.77E+00
1317	490758.06	3859640.74	0.3201	0.34562	0.87721	0.89423	0.5613	0.59183	0.3437	0.34562	1.54E+00	1.47E-02	2.10E-06	2.17E-02	1.21E-01	3.83E-02	5.61E-02	5.41E-02	1.73E+00
1318	490808.06	3859640.74	0.31372	0.32467	0.8317	0.80466	0.53254	0.54054	0.322	0.32467	1.51E+00	1.38E-02	1.99E-06	1.95E-02	1.15E-01	3.50E-02	5.26E-02	5.09E-02	1.69E+00
1319	490858.06	3859640.74	0.30787	0.30651	0.78184	0.73286	0.50853	0.50271	0.301	0.30651	1.48E+00	1.30E-02	1.88E-06	1.78E-02	1.10E-01	3.25E-02	4.91E-02	4.80E-02	1.65E+00
1320	490608.06	3859690.74	0.40208	0.60781	0.78734	2.69706	0.49416	1.20809	0.6086	0.60781	1.93E+00	2.59E-02	1.89E-06	6.53E-02	1.07E-01	7.82E-02	9.93E-02	9.52E-02	2.21E+00
1321	490658.06	3859690.74	0.3691	0.51594	0.70547	1.87696	0.51643	1.00577	0.5195	0.51594	1.77E+00	2.20E-02	1.69E-06	4.55E-02	1.11E-01	6.51E-02	8.48E-02	8.08E-02	2.02E+00
1322	490708.06	3859690.74	0.35429	0.45372	0.71225	1.48442	0.53318	0.84831	0.457	0.45372	1.70E+00	1.93E-02	1.71E-06	3.60E-02	1.15E-01	5.49E-02	7.46E-02	7.11E-02	1.93E+00
1323	490758.06	3859690.74	0.33901	0.41025	0.73002	1.20489	0.50285	0.7273	0.414	0.41025	1.63E+00	1.75E-02	1.75E-06	2.92E-02	1.08E-01	4.71E-02	6.76E-02	6.43E-02	1.83E+00
1324	490808.06	3859690.74	0.32441	0.37722	0.74624	1.02646	0.54507	0.64822	0.3771	0.37722	1.56E+00	1.61E-02	1.79E-06	2.49E-02	1.18E-01	4.19E-02	6.16E-02	5.91E-02	1.76E+00
1325	490858.06	3859690.74	0.31595	0.35439	0.75413	0.94509	0.52613	0.59248	0.3536	0.35439	1.52E+00	1.51E-02	1.81E-06	2.29E-02	1.13E-01	3.83E-02	5.77E-02	5.55E-02	1.71E+00
1326	490708.06	3859740.74	0.3979	0.58533	0.76264	2.74757	0.49963	1.19958	0.6057	0.58533	1.91E+00	2.49E-02	1.83E-06	6.66E-02	1.08E-01	7.76E-02	9.89E-02	9.17E-02	2.19E+00
1327	490758.06	3859740.74	0.3671	0.52344	0.67287	1.93424	0.51566	1.01628	0.5392	0.52344	1.76E+00	2.23E-02	1.61E-06	4.69E-02	1.11E-01	6.58E-02	8.80E-02	8.20E-02	2.01E+00
1328	490808.06	3859740.74	0.35143	0.46829	0.62408	1.53792	0.49608	0.85546	0.4809	0.46829	1.69E+00	1.99E-02	1.50E-06	3.73E-02	1.07E-01	5.54E-02	7.85E-02	7.34E-02	1.91E+00
1329	490858.06	3859740.74	0.33876	0.42425	0.61369	1.3196	0.50642	0.75261	0.4353	0.42425	1.63E+00	1.81E-02	1.47E-06	3.20E-02	1.09E-01	4.87E-02	7.10E-02	6.65E-02	1.84E+00
1330	490786.56	3859749.39	0.36239	0.51552	0.65223	1.83647	0.5178	0.98665	0.5295	0.51552	1.74E+00	2.19E-02	1.56E-06	4.45E-02	1.12E-01	6.38E-02	8.64E-02	8.08E-02	1.99E+00
1331	490836.56	3859749.39	0.34779	0.46022	0.60428	1.48883	0.47892	0.82866	0.4727	0.46022	1.67E+00	1.96E-02	1.45E-06	3.61E-02	1.03E-01	5.36E-02	7.72E-02	7.21E-02	1.89E+00
1332	490786.56	3859799.39	0.43508	0.7613	0.73895	3.6716	0.48542	1.47313	0.7931	0.7613	2.09E+00	3.24E-02	1.77E-06	8.90E-02	1.05E-01	9.53E-02	1.29E-01	1.19E-01	2.42E+00
1333	490836.56	3859799.39	0.38744	0.64075	0.68253	2.66999	0.50107	1.18216	0.6671	0.64075	1.86E+00	2.73E-02	1.64E-06	6.47E-02	1.08E-01	7.65E-02	1.09E-01	1.00E-01	2.14E+00
1334	492307.84	3854508.36	0.1258	0.05342	0.09742	0.06184	0.28794	0.05603	0.0542	0.05342	6.04E-01	2.27E-03	2.34E-07	1.50E-03	6.21E-02	3.63E-03	8.85E-03	8.37E-03	6.74E-01
1335	486445.7	3854753.6	0.27444	0.06618	0.15612	0.13268	0.19585	0.09808	0.1046	0.06618	1.32E+00	2.82E-03	3.74E-07	3.21E-03	4.22E-02	6.35E-03	1.71E-02	1.04E-02	1.38E+00
1336	472599.75	3877830.11	0.01721	0.01129	0.01378	0.01068	0.01844	0.01118	0.0113	0.01129	8.26E-02	4.80E-04	3.30E-08	2.59E-04	3.98E-03	7.23E-04	1.85E-03	1.77E-03	8.81E-02
1337	493107.48	3866840.19	0.08534	0.02312	0.02764	0.04484	0.1284	0.04975	0.0276	0.02312	4.10E-01	9.84E-04	6.63E-08	1.09E-03	2.77E-02	3.22E-03	4.51E-03	3.62E-03	4.43E-01
1338	495815.79	3861662.87	0.09331	0.25171	0.09985	0.11771	0.13935	0.12768	0.2534	0.25171	4.48E-01	1.07E-02	2.39E-07	2.85E-03	3.01E-02	8.26E-03	4.14E-02	3.94E-02	5.02E-01
1339	480272.33	3841389.2	0.01545	0.00791	0.00875	0.00877	0.0168	0.00939	0.0082	0.00791	7.41E-02	3.37E-04	2.10E-08	2.12E-04	3.62E-03	6.08E-04	1.34E-03	1.24E-03	7.90E-02
1340	497005.18	3862813.64	0.08326	0.24464	0.06306	0.06687	0.14648	0.06112	0.2419	0.24464	4.00E-01	1.04E-02	1.51E-07	1.62E-03	3.16E-02	3.95E-03	3.95E-02	3.83E-02	4.48E-01
1341	493677.33	3860302.55	0.15233	0.13115	0.21193	0.19332	0.21552	1.24089	0.1187	0.13115	7.31E-01	5.58E-03	5.08E-07	4.68E-03	4.65E-02	8.03E-02	1.94E-02	2.05E-02	8.67E-01
1342	493727.33	3860302.55	0.15157	0.12852	0.21693	0.19124	0.19998	1.23902	0.1168	0.12852	7.27E-01	5.47E-03	5.20E-07	4.63E-03	4.31E-02	8.02E-02	1.91E-02	2.01E-02	8.60E-01
1343	493777.33	3860302.55	0.15102	0.12524	0.21986	0.18908	0.19151	1.25451	0.1142	0.12524	7.25E-01	5.33E-03	5.27E-07	4.58E-03	4.13E-02	8.12E-02	1.86E-02	1.96E-02	8.56E-01
1344	493827.33	3860302.55	0.15057	0.12118	0.21528	0.18714	0.19003	1.27705	0.1141	0.12118	7.23E-01	5.16E-03	5.16E-07	4.53E-03	4.10E-02	8.26E-02	1.86E-02	1.90E-02	8.56E-01
1345	493877.33	3860302.55	0.14984	0.11859	0.21031	0.18758	0.18814	1.25405	0.1119	0.11859	7.19E-01	5.05E-03	5.04E-07	4.54E-03	4.06E-02	8.11E-02	1.83E-02	1.86E-02	8.50E-01
1346	493927.33	3860302.55	0.149	0.11679	0.20688	0.18922	0.186	1.22306	0.1103	0.11679	7.15E-01	4.97E-03	4.96E-07	4.58E-03	4.01E-02	7.91E-02	1.80E-02	1.83E-02	8.44E-01
1347	493977.33	3860302.55	0.14959	0.11158	0.19578	0.18605	0.19777	1.25848	0.1076	0.11158	7.18E-01	4.75E-03	4.70E-07	4.51E-03	4.27E-02	8.14E-02	1.76E-02	1.75E-02	8.51E-01
1348	494027.33	3860302.55	0.14957	0.10925	0.19248	0.1856	0.21274	1.27795	0.105	0.10925	7.18E-01	4.65E-03	4.62E-07	4.50E-03	4.59E-02	8.27E-02	1.71E-02	1.71E-02	8.56E-01
1349	493677.33	3860352.55	0.15232	0.13501	0.21886	0.20866	0.19641	0.82474	0.1199	0.13501	7.31E-01	5.74E-03	5.25E-07	5.06E-03	4.24E-02	5.34E-02	1.96E-02	2.11E-02	8.36E-01
1350	493727.33	3860352.55	0.15119	0.13281	0.21263	0.20052	0.2023	0.82301	0.1194	0.13281	7.26E-01	5.65E-03	5.10E-07	4.86E-03	4.36E-02	5.33E-02	1.95E-02	2.08E-02	8.32E-01
1351	493777.33	3860352.55	0.15016	0.13049	0.20634	0.19278	0.20521	0.82526	0.1184	0.13049	7.21E-01	5.55E-03	4.95E-07	4.67E-03	4.43E-02	5.34E-02	1.93E-02	2.04E-02	8.27E-01
1352	493827.33	3860352.55	0.14938	0.12799	0.19986	0.18769	0.19318	0.84048	0.1167	0.12799	7.17E-01	5.45E-03	4.79E-07	4.55E-03	4.17E-02	5.44E-02	1.91E-02	2.00E-02	8.22E-01
1353	493877.33	3860352.55	0.14887	0.12556	0.19807	0.18661	0.18852	0.86853	0.1155	0.12556	7.14E-01	5.34E-03	4.75E-07	4.52E-03	4.07E-02	5.62E-02	1.88E-02	1.97E-02	8.20E-01
1354	493927.33	3860352.55	0.14874	0.1232	0.19902	0.17952	0.18735	0.86703	0.1121	0.1232	7.14E-01	5.24E-03	4.77E-07	4.35E-03	4.04E-02	5.61E-02	1.83E-02	1.93E-02	8.19E-01
1355	493977.33	3860352.55	0.14892	0.11805	0.20309	0.17498	0.18616	0.83847	0.1074	0.11805	7.15E-01	5.02E-03	4.87E-07	4.24E-03	4.01E-02	5.43E-02	1.75E-02	1.85E-02	8.17E-01
1356	494027.33	3860352.55	0.14832	0.11536	0.20646	0.17308	0.18426	0.7946	0.1063	0.11536	7.12E-01	4.91E-03	4.95E-07	4.19E-03	3.97E-02	5.14E-02	1.73E-02	1.81E-02	8.11E-01
1357	493677.33	3860402.55	0.15221	0.13553	0.21815	0.21881	0.19136	0.65755	0.126	0.13553	7.30E-01	5.77E-03	5.23E-07	5.30E-03	4.13E-02	4.25E-02	2.06E-02	2.12E-02	8.25E-01
1358	493727.33	3860402.55	0.15099	0.13321	0.22122	0.21748	0.19073	0.65199	0.1244	0.13321	7.25E-01	5.67E-03	5.31E-07	5.27E-03	4.11E-02	4.22E-02	2.03E-02	2.09E-02	8.18E-01
1359	493777.33	3860402.55	0.1507	0.13352	0.22389	0.2089	0.19061	0.66983	0.1202	0.13352	7.23E-01	5.68E-03	5.37E-07	5.06E-03	4.11E-02	4.33E-02	1.96E-02	2.09E-02	8.17E-01
1360	493827.33	3860402.55	0.14934	0.1307	0.21945	0.2016	0.19272	0.64434	0.1191	0.1307	7.17E-01	5.56E-03	5.26E-07	4.88E-03	4.16E-02	4.17E-02	1.94E-02	2.05E-02	8.09E-01
1361	493877.33	3860402.55	0.14836	0.12841	0.21339	0.19609	0.19573	0.63995	0.1176	0.12841	7.12E-01	5.46E-03	5.12E-07	4.75E-03	4.22E-02	4.14E-02	1.92E-02	2.01E-02	8.05E-01
1362	493927.33	3860402.55	0.14825	0.12715	0.20577	0.18995	0.18751	0.63943	0.1143	0.12715	7.11E-01	5.41E-03	4.94E-07	4.60E-03	4.04E-02	4.14E-02	1.87E-02	1.99E-02	8.02E-01
1363	493977.33	3860402.55	0.14851	0.12541	0.19696	0.18742	0.18688	0.65055	0.1082	0.12541	7.13E-01	5.34E-03	4.72E-07	4.54E-03	4.03E-02	4.21E-02	1.77E-02	1.96E-02	8.03E-01
1364	494027.33	3860402.55	0.14745	0.12279	0.19176	0.18177	0.18513	0.61745	0.1079	0.12279	7.08E-01	5.22E-03	4.60E-07	4.40E-03	3.99E-02	4.00E-02	1.76E-02	1.92E-02	7.95E-01

1365	493677.33	3860452.55	0.14988	0.1388	0.19084	0.22437	0.18921	0.54883	0.1291	0.1388	7.19E-01	5.91E-03	4.58E-07	5.44E-03	4.08E-02	3.55E-02	2.11E-02	2.17E-02	8.06E-01
1366	493727.33	3860452.55	0.14801	0.1357	0.18918	0.21697	0.18729	0.55752	0.1293	0.1357	7.10E-01	5.77E-03	4.54E-07	5.26E-03	4.04E-02	3.61E-02	2.11E-02	2.13E-02	7.98E-01
1367	493777.33	3860452.55	0.14689	0.13339	0.19378	0.21179	0.18343	0.57479	0.1273	0.13339	7.05E-01	5.68E-03	4.65E-07	5.13E-03	3.96E-02	3.72E-02	2.08E-02	2.09E-02	7.92E-01
1368	493827.33	3860452.55	0.14637	0.13198	0.19952	0.2039	0.18212	0.57408	0.1234	0.13198	7.02E-01	5.62E-03	4.79E-07	4.94E-03	3.93E-02	3.71E-02	2.01E-02	2.07E-02	7.89E-01
1369	493877.33	3860452.55	0.14576	0.13084	0.2042	0.19811	0.18339	0.57075	0.1202	0.13084	6.99E-01	5.57E-03	4.90E-07	4.80E-03	3.96E-02	3.69E-02	1.96E-02	2.05E-02	7.85E-01
1370	493927.33	3860452.55	0.14595	0.13066	0.20913	0.20202	0.18754	0.53228	0.116	0.13066	7.00E-01	5.56E-03	5.02E-07	4.89E-03	4.04E-02	3.44E-02	1.89E-02	2.05E-02	7.84E-01
1371	493977.33	3860452.55	0.14513	0.12838	0.21227	0.19951	0.18843	0.52302	0.1152	0.12838	6.96E-01	5.46E-03	5.09E-07	4.83E-03	4.06E-02	3.38E-02	1.88E-02	2.01E-02	7.80E-01
1372	494027.33	3860452.55	0.14433	0.12615	0.21034	0.19244	0.18521	0.52108	0.1132	0.12615	6.93E-01	5.37E-03	5.04E-07	4.66E-03	3.99E-02	3.37E-02	1.85E-02	1.98E-02	7.75E-01
1373	493677.33	3860502.55	0.14527	0.14211	0.19952	0.22083	0.18998	0.5116	0.1323	0.14211	6.97E-01	6.05E-03	4.79E-07	5.35E-03	4.10E-02	3.31E-02	2.16E-02	2.23E-02	7.82E-01
1374	493727.33	3860502.55	0.14427	0.14007	0.19297	0.21041	0.18613	0.51228	0.1315	0.14007	6.92E-01	5.96E-03	4.63E-07	5.10E-03	4.01E-02	3.31E-02	2.15E-02	2.19E-02	7.76E-01
1375	493777.33	3860502.55	0.14374	0.13855	0.18726	0.21021	0.18345	0.51609	0.1303	0.13855	6.90E-01	5.90E-03	4.49E-07	5.09E-03	3.96E-02	3.34E-02	2.13E-02	2.17E-02	7.73E-01
1376	493827.33	3860502.55	0.14327	0.13636	0.18213	0.20949	0.17826	0.48659	0.1291	0.13636	6.88E-01	5.80E-03	4.37E-07	5.08E-03	3.84E-02	3.15E-02	2.11E-02	2.14E-02	7.68E-01
1377	493877.33	3860502.55	0.1427	0.13405	0.18028	0.20625	0.17543	0.48382	0.1255	0.13405	6.85E-01	5.70E-03	4.32E-07	5.00E-03	3.78E-02	3.13E-02	2.05E-02	2.10E-02	7.64E-01
1378	493927.33	3860502.55	0.14247	0.13304	0.18004	0.202	0.17466	0.47431	0.1211	0.13304	6.84E-01	5.66E-03	4.32E-07	4.89E-03	3.77E-02	3.07E-02	1.98E-02	2.08E-02	7.62E-01
1379	493977.33	3860502.55	0.14142	0.13064	0.18408	0.19805	0.17816	0.44524	0.1197	0.13064	6.79E-01	5.56E-03	4.41E-07	4.80E-03	3.84E-02	2.88E-02	1.95E-02	2.05E-02	7.55E-01
1380	494027.33	3860502.55	0.14066	0.12833	0.18829	0.19342	0.18458	0.44292	0.1174	0.12833	6.75E-01	5.46E-03	4.52E-07	4.69E-03	3.98E-02	2.87E-02	1.92E-02	2.01E-02	7.53E-01
1381	493627.33	3860552.55	0.14502	0.14864	0.21954	0.24616	0.22612	0.46029	0.1401	0.14864	6.96E-01	6.32E-03	5.27E-07	5.96E-03	4.88E-02	2.98E-02	2.29E-02	2.33E-02	7.86E-01
1382	493677.33	3860552.55	0.14037	0.14575	0.2092	0.23436	0.21159	0.45989	0.1382	0.14575	6.74E-01	6.20E-03	5.02E-07	5.68E-03	4.56E-02	2.98E-02	2.26E-02	2.28E-02	7.61E-01
1383	493727.33	3860552.55	0.13753	0.14264	0.20016	0.22377	0.19586	0.45134	0.1371	0.14264	6.60E-01	6.07E-03	4.80E-07	5.42E-03	4.22E-02	2.92E-02	2.24E-02	2.23E-02	7.43E-01
1384	493777.33	3860552.55	0.13707	0.13913	0.19983	0.21449	0.18579	0.43799	0.1338	0.13913	6.58E-01	5.92E-03	4.79E-07	5.20E-03	4.01E-02	2.83E-02	2.18E-02	2.18E-02	7.37E-01
1385	493827.33	3860552.55	0.13697	0.13664	0.19446	0.20626	0.18154	0.41777	0.1296	0.13664	6.57E-01	5.81E-03	4.66E-07	5.00E-03	3.92E-02	2.70E-02	2.11E-02	2.14E-02	7.34E-01
1386	493877.33	3860552.55	0.13634	0.1349	0.18867	0.20089	0.17622	0.40557	0.1282	0.1349	6.54E-01	5.74E-03	4.52E-07	4.87E-03	3.80E-02	2.62E-02	2.09E-02	2.11E-02	7.29E-01
1387	493927.33	3860552.55	0.13631	0.13381	0.1836	0.19723	0.1711	0.40595	0.1271	0.13381	6.54E-01	5.69E-03	4.40E-07	4.78E-03	3.69E-02	2.63E-02	2.08E-02	2.10E-02	7.28E-01
1388	493977.33	3860552.55	0.13647	0.13276	0.1786	0.19195	0.16775	0.40881	0.1237	0.13276	6.55E-01	5.65E-03	4.28E-07	4.65E-03	3.62E-02	2.65E-02	2.02E-02	2.08E-02	7.27E-01
1389	494027.33	3860552.55	0.13604	0.13116	0.1739	0.19197	0.16618	0.40272	0.1223	0.13116	6.53E-01	5.58E-03	4.17E-07	4.65E-03	3.58E-02	2.61E-02	2.00E-02	2.05E-02	7.24E-01
1390	493627.33	3860602.55	0.14222	0.15624	0.23576	0.25292	0.24531	0.42103	0.1508	0.15624	6.83E-01	6.65E-03	5.65E-07	6.13E-03	5.29E-02	2.72E-02	2.46E-02	2.45E-02	7.76E-01
1391	493727.33	3860602.55	0.14049	0.15103	0.21348	0.23504	0.21245	0.44457	0.1443	0.15103	6.74E-01	6.43E-03	5.12E-07	5.69E-03	4.58E-02	2.88E-02	2.36E-02	2.37E-02	7.61E-01
1392	493777.33	3860602.55	0.13771	0.14699	0.20675	0.2388	0.20042	0.4276	0.1387	0.14699	6.61E-01	6.25E-03	4.96E-07	5.79E-03	4.32E-02	2.77E-02	2.26E-02	2.30E-02	7.43E-01
1393	493827.33	3860602.55	0.13368	0.14363	0.19982	0.22881	0.18669	0.40661	0.1362	0.14363	6.42E-01	6.11E-03	4.79E-07	5.54E-03	4.03E-02	2.63E-02	2.22E-02	2.25E-02	7.19E-01
1394	493877.33	3860602.55	0.13094	0.13971	0.1955	0.21948	0.18128	0.39165	0.1315	0.13971	6.28E-01	5.94E-03	4.69E-07	5.32E-03	3.91E-02	2.53E-02	2.15E-02	2.19E-02	7.04E-01
1395	493927.33	3860602.55	0.13063	0.13637	0.19209	0.21081	0.17855	0.38021	0.1281	0.13637	6.27E-01	5.80E-03	4.61E-07	5.11E-03	3.85E-02	2.46E-02	2.09E-02	2.14E-02	7.00E-01
1396	493977.33	3860602.55	0.13047	0.13303	0.19049	0.20296	0.17376	0.37259	0.1262	0.13303	6.26E-01	5.66E-03	4.57E-07	4.92E-03	3.75E-02	2.41E-02	2.06E-02	2.08E-02	6.98E-01
1397	494027.33	3860602.55	0.12983	0.13067	0.18494	0.19569	0.16799	0.36299	0.1254	0.13067	6.23E-01	5.56E-03	4.44E-07	4.74E-03	3.62E-02	2.35E-02	2.05E-02	2.05E-02	6.93E-01
1398	493627.33	3860652.55	0.14164	0.16319	0.21595	0.24394	0.26743	0.4135	0.1587	0.16319	6.80E-01	6.94E-03	5.18E-07	5.91E-03	5.77E-02	2.68E-02	2.59E-02	2.56E-02	7.77E-01
1399	493727.33	3860652.55	0.13701	0.15807	0.21847	0.23976	0.23049	0.38737	0.1501	0.15807	6.57E-01	6.73E-03	5.24E-07	5.81E-03	4.97E-02	2.51E-02	2.45E-02	2.48E-02	7.45E-01
1400	493777.33	3860652.55	0.13548	0.1543	0.22269	0.23851	0.21577	0.3853	0.1475	0.1543	6.50E-01	6.57E-03	5.34E-07	5.78E-03	4.65E-02	2.49E-02	2.41E-02	2.42E-02	7.34E-01
1401	493827.33	3860652.55	0.1355	0.15084	0.21585	0.22855	0.20252	0.39618	0.1432	0.15084	6.50E-01	6.42E-03	5.18E-07	5.54E-03	4.37E-02	2.56E-02	2.34E-02	2.36E-02	7.31E-01
1402	493877.33	3860652.55	0.13562	0.14711	0.20895	0.21974	0.19103	0.39522	0.1378	0.14711	6.51E-01	6.26E-03	5.01E-07	5.32E-03	4.12E-02	2.56E-02	2.25E-02	2.30E-02	7.29E-01
1403	493927.33	3860652.55	0.13191	0.1438	0.20206	0.21771	0.1805	0.37664	0.1354	0.1438	6.33E-01	6.12E-03	4.85E-07	5.27E-03	3.89E-02	2.44E-02	2.21E-02	2.25E-02	7.07E-01
1404	493977.33	3860652.55	0.12803	0.14069	0.19561	0.22168	0.17913	0.3512	0.1333	0.14069	6.14E-01	5.99E-03	4.69E-07	5.37E-03	3.86E-02	2.27E-02	2.18E-02	2.20E-02	6.87E-01
1405	494027.33	3860652.55	0.12523	0.1371	0.19103	0.21518	0.17577	0.34873	0.1288	0.1371	6.01E-01	5.83E-03	4.58E-07	5.21E-03	3.79E-02	2.26E-02	2.10E-02	2.15E-02	6.72E-01
1406	494311.06	3858401.99	0.10203	0.02745	0.05799	0.06659	0.17914	0.07707	0.0302	0.02745	4.90E-01	1.17E-03	1.39E-07	1.61E-03	3.86E-02	4.99E-03	4.93E-03	4.30E-03	5.37E-01
1407	494361.06	3858401.99	0.09843	0.02696	0.05594	0.0654	0.17549	0.07739	0.0288	0.02696	4.72E-01	1.15E-03	1.34E-07	1.58E-03	3.78E-02	5.01E-03	4.71E-03	4.22E-03	5.18E-01
1408	494411.06	3858401.99	0.09619	0.0267	0.05469	0.06472	0.17557	0.07786	0.0288	0.0267	4.62E-01	1.14E-03	1.31E-07	1.57E-03	3.79E-02	5.04E-03	4.70E-03	4.18E-03	5.08E-01
1409	494461.06	3858401.99	0.09581	0.02648	0.05396	0.0646	0.17624	0.07867	0.0288	0.02648	4.60E-01	1.13E-03	1.29E-07	1.57E-03	3.80E-02	5.09E-03	4.69E-03	4.15E-03	5.06E-01
1410	494511.06	3858401.99	0.09513	0.02625	0.05409	0.06371	0.17604	0.08665	0.0287	0.02625	4.57E-01	1.12E-03	1.30E-07	1.54E-03	3.80E-02	5.61E-03	4.68E-03	4.11E-03	5.03E-01
1411	494561.06	3858401.99	0.09497	0.02607	0.0531	0.06338	0.17652	0.0882	0.028	0.02607	4.56E-01	1.11E-03	1.27E-07	1.54E-03	3.81E-02	5.71E-03	4.57E-03	4.08E-03	5.03E-01
1412	494611.06	3858401.99	0.0935	0.02583	0.0521	0.06269	0.17617	0.08307	0.0272	0.02583	4.49E-01	1.10E-03	1.25E-07	1.52E-03	3.80E-02	5.37E-03	4.43E-03	4.05E-03	4.95E-01
1413	494661.06	3858401.99	0.09145	0.02561	0.05156	0.06206	0.17597	0.08513	0.0264	0.02561	4.39E-01	1.09E-03	1.24E-07	1.50E-03	3.80E-02	5.51E-03	4.30E-03	4.01E-03	4.85E-01
1414	494711.06	3858401.99	0.08809	0.0249	0.05133	0.06131	0.17505	0.09015	0.0257	0.0249	4.23E-01	1.06E-03	1.23E-07	1.49E-03	3.78E-02	5.83E-03	4.19E-03	3.90E-03	4.69E-01
1415	494761.06	3858401.99	0.0866	0.0242	0.05117	0.06076	0.17498	0.09286	0.0256	0.0242	4.16E-01	1.03E-03	1.23E-07	1.47E-03	3.77E-02	6.01E-03	4.18E-03	3.79E-03	4.62E-01
1416	494811.06	3858401.99	0.08418	0.02359	0.04922	0.06011	0.17436	0.09463	0.0254	0.02359	4.04E-01	1.00E-03	1.18E-07	1.46E-03	3.76E-02	6.12E-03	4.15E-03	3.70E-03	4.51E-01
1417	494861.06	3858401.99	0.08211	0.02344	0.04822	0.05951	0.17383	0.09587	0.0253	0.02344	3.94E-01	9.97E-04	1.16E-07	1.44E-03	3.75E-02	6.20E-03	4.13E-03	3.67E-03	4.41E-01
1418	494911.06	3858401.99	0.08088	0.02331	0.04877	0.05892	0.17326	0.09684	0.0252	0.02331	3.88E-01	9.92E-04	1.17E-07	1.43E-03	3.74E-02	6.27E-03	4.11E-03	3.65E-03	4.35E-01
1419	494961.06	3858401.99	0.0797	0.02316	0.04922	0.05832	0.17254	0.098	0.0251	0.02316	3.82E-01	9.85E-04	1.18E-07	1.41E-03	3.72E-02	6.34E-03	4.09E-03	3.63E-03	4.29E-01
1420	495011.06	3858401.99	0.07803	0.02318	0.04833	0.05765	0.17135	0.09958	0.0249	0.02318	3.74E-01	9.86E-04	1.16E-07	1.40E-03	3.70E-02	6.44E-03	4.06E-03	3.63E-03	4.21E-01
1421	495061.06	3858401.99	0.07684	0.02316	0.0475	0.05727	0.17051	0.1014	0.0247	0.02316	3.69E-01	9.85E-04	1.14E-07	1.39E-03	3.68E-02	6.56E-03	4.04E-03	3.63E-03	4.15E-01

1422	495111.06	3858401.99	0.07418	0.02261	0.04649	0.05706	0.16832	0.10771	0.0244	0.02261	3.56E-01	9.62E-04	1.11E-07	1.38E-03	3.63E-02	6.97E-03	3.98E-03	3.54E-03	4.02E-01
1423	495161.06	3858401.99	0.0741	0.02252	0.04653	0.0569	0.16829	0.11136	0.0244	0.02252	3.56E-01	9.58E-04	1.12E-07	1.38E-03	3.63E-02	7.21E-03	3.98E-03	3.53E-03	4.02E-01
1424	495211.06	3858401.99	0.07187	0.02084	0.04592	0.05671	0.16633	0.11435	0.0241	0.02084	3.45E-01	8.87E-04	1.10E-07	1.37E-03	3.59E-02	7.40E-03	3.93E-03	3.26E-03	3.91E-01
1425	495261.06	3858401.99	0.07088	0.02064	0.04528	0.05652	0.16539	0.11671	0.0242	0.02064	3.40E-01	8.78E-04	1.09E-07	1.37E-03	3.57E-02	7.55E-03	3.95E-03	3.23E-03	3.86E-01
1426	495311.06	3858401.99	0.0698	0.02058	0.04422	0.05634	0.16431	0.12066	0.0243	0.02058	3.35E-01	8.76E-04	1.06E-07	1.36E-03	3.54E-02	7.81E-03	3.96E-03	3.22E-03	3.81E-01
1427	495361.06	3858401.99	0.0692	0.02053	0.04329	0.05618	0.16361	0.12317	0.0239	0.02053	3.32E-01	8.74E-04	1.04E-07	1.36E-03	3.53E-02	7.97E-03	3.90E-03	3.22E-03	3.78E-01
1428	495411.06	3858401.99	0.06881	0.0206	0.04348	0.05603	0.1633	0.12787	0.0238	0.0206	3.30E-01	8.76E-04	1.04E-07	1.36E-03	3.52E-02	8.27E-03	3.88E-03	3.23E-03	3.77E-01
1429	495461.06	3858401.99	0.0684	0.02092	0.04371	0.05588	0.16311	0.13559	0.0238	0.02092	3.28E-01	8.90E-04	1.05E-07	1.35E-03	3.52E-02	8.77E-03	3.88E-03	3.28E-03	3.75E-01
1430	495511.06	3858401.99	0.06798	0.02122	0.0439	0.05573	0.16272	0.13959	0.0238	0.02122	3.26E-01	9.03E-04	1.05E-07	1.35E-03	3.51E-02	9.03E-03	3.88E-03	3.32E-03	3.73E-01
1431	495561.06	3858401.99	0.06743	0.02141	0.04344	0.05559	0.16235	0.1435	0.0236	0.02141	3.24E-01	9.11E-04	1.04E-07	1.35E-03	3.50E-02	9.28E-03	3.86E-03	3.35E-03	3.71E-01
1432	495611.06	3858401.99	0.06697	0.02131	0.04355	0.05544	0.16196	0.14822	0.0236	0.02131	3.21E-01	9.07E-04	1.04E-07	1.34E-03	3.49E-02	9.59E-03	3.86E-03	3.34E-03	3.69E-01
1433	495661.06	3858401.99	0.0682	0.02141	0.04432	0.0553	0.16168	0.15385	0.0238	0.02141	3.27E-01	9.11E-04	1.06E-07	1.34E-03	3.49E-02	9.95E-03	3.88E-03	3.35E-03	3.75E-01
1434	494311.06	3858451.99	0.11143	0.02843	0.05827	0.0675	0.20934	0.07825	0.0304	0.02843	5.35E-01	1.21E-03	1.40E-07	1.64E-03	4.51E-02	5.06E-03	4.97E-03	4.45E-03	5.88E-01
1435	494361.06	3858451.99	0.10855	0.0279	0.05742	0.06689	0.20229	0.07882	0.0304	0.0279	5.21E-01	1.19E-03	1.38E-07	1.62E-03	4.36E-02	5.10E-03	4.96E-03	4.37E-03	5.73E-01
1436	494411.06	3858451.99	0.10618	0.02754	0.05758	0.06638	0.1953	0.0798	0.0303	0.02754	5.10E-01	1.17E-03	1.38E-07	1.61E-03	4.21E-02	5.16E-03	4.95E-03	4.31E-03	5.60E-01
1437	494461.06	3858451.99	0.10417	0.02739	0.05714	0.06614	0.18838	0.08264	0.029	0.02739	5.00E-01	1.17E-03	1.37E-07	1.60E-03	4.06E-02	5.35E-03	4.73E-03	4.29E-03	5.49E-01
1438	494511.06	3858451.99	0.10311	0.0273	0.05713	0.06583	0.18158	0.08933	0.0287	0.0273	4.95E-01	1.16E-03	1.37E-07	1.59E-03	3.92E-02	5.78E-03	4.68E-03	4.28E-03	5.43E-01
1439	494561.06	3858451.99	0.10039	0.02653	0.05604	0.06442	0.17477	0.09251	0.0286	0.02653	4.82E-01	1.13E-03	1.34E-07	1.56E-03	3.77E-02	5.99E-03	4.66E-03	4.16E-03	5.29E-01
1440	494611.06	3858451.99	0.09847	0.0263	0.05539	0.06335	0.16811	0.09199	0.0285	0.0263	4.73E-01	1.12E-03	1.33E-07	1.53E-03	3.63E-02	5.95E-03	4.65E-03	4.12E-03	5.18E-01
1441	494661.06	3858451.99	0.09636	0.02606	0.05465	0.06219	0.1683	0.0963	0.0281	0.02606	4.62E-01	1.11E-03	1.31E-07	1.51E-03	3.63E-02	6.23E-03	4.59E-03	4.08E-03	5.08E-01
1442	494711.06	3858451.99	0.09481	0.0258	0.05377	0.06068	0.16808	0.09241	0.0272	0.0258	4.55E-01	1.10E-03	1.29E-07	1.47E-03	3.63E-02	5.98E-03	4.45E-03	4.04E-03	5.00E-01
1443	494761.06	3858451.99	0.09398	0.02554	0.05285	0.05913	0.16775	0.09348	0.0264	0.02554	4.51E-01	1.09E-03	1.27E-07	1.43E-03	3.62E-02	6.05E-03	4.31E-03	4.00E-03	4.96E-01
1444	494811.06	3858451.99	0.09262	0.02506	0.05198	0.05846	0.16767	0.09539	0.0258	0.02506	4.44E-01	1.07E-03	1.25E-07	1.42E-03	3.62E-02	6.17E-03	4.22E-03	3.93E-03	4.90E-01
1445	494861.06	3858451.99	0.08999	0.02429	0.05105	0.05777	0.16734	0.09664	0.0257	0.02429	4.32E-01	1.03E-03	1.22E-07	1.40E-03	3.61E-02	6.25E-03	4.19E-03	3.81E-03	4.77E-01
1446	494911.06	3858451.99	0.08707	0.02362	0.04986	0.05674	0.16725	0.09768	0.0255	0.02362	4.18E-01	1.00E-03	1.20E-07	1.37E-03	3.61E-02	6.32E-03	4.16E-03	3.70E-03	4.63E-01
1447	494961.06	3858451.99	0.08392	0.02351	0.04907	0.05636	0.16606	0.10052	0.0253	0.02351	4.03E-01	1.00E-03	1.18E-07	1.37E-03	3.58E-02	6.50E-03	4.13E-03	3.68E-03	4.48E-01
1448	495011.06	3858451.99	0.0811	0.02332	0.04842	0.0562	0.16518	0.10025	0.0251	0.02332	3.89E-01	9.92E-04	1.16E-07	1.36E-03	3.56E-02	6.49E-03	4.10E-03	3.65E-03	4.34E-01
1449	495061.06	3858451.99	0.0805	0.0232	0.04836	0.05615	0.1652	0.10549	0.025	0.0232	3.86E-01	9.87E-04	1.16E-07	1.36E-03	3.56E-02	6.83E-03	4.09E-03	3.63E-03	4.32E-01
1450	495111.06	3858451.99	0.07872	0.0231	0.04769	0.05598	0.16422	0.10859	0.0248	0.0231	3.78E-01	9.83E-04	1.14E-07	1.36E-03	3.54E-02	7.03E-03	4.05E-03	3.62E-03	4.23E-01
1451	495161.06	3858451.99	0.07665	0.02282	0.04754	0.05576	0.16294	0.11221	0.0246	0.02282	3.68E-01	9.71E-04	1.14E-07	1.35E-03	3.51E-02	7.26E-03	4.02E-03	3.57E-03	4.13E-01
1452	495211.06	3858451.99	0.07485	0.02262	0.04741	0.05555	0.1618	0.11706	0.0244	0.02262	3.59E-01	9.62E-04	1.14E-07	1.35E-03	3.49E-02	7.57E-03	3.98E-03	3.54E-03	4.04E-01
1453	495261.06	3858451.99	0.07386	0.02248	0.04743	0.05538	0.16124	0.11999	0.0243	0.02248	3.54E-01	9.56E-04	1.14E-07	1.34E-03	3.48E-02	7.76E-03	3.96E-03	3.52E-03	4.00E-01
1454	495311.06	3858451.99	0.07312	0.02213	0.0456	0.05519	0.16083	0.12296	0.0242	0.02213	3.51E-01	9.42E-04	1.09E-07	1.34E-03	3.47E-02	7.96E-03	3.94E-03	3.47E-03	3.96E-01
1455	495361.06	3858451.99	0.07258	0.02116	0.04595	0.05498	0.16053	0.1266	0.0242	0.02116	3.48E-01	9.00E-04	1.10E-07	1.33E-03	3.46E-02	8.19E-03	3.95E-03	3.31E-03	3.94E-01
1456	495411.06	3858451.99	0.07258	0.02116	0.0461	0.05476	0.16063	0.13001	0.0245	0.02116	3.48E-01	9.00E-04	1.11E-07	1.33E-03	3.46E-02	8.41E-03	4.00E-03	3.31E-03	3.94E-01
1457	495461.06	3858451.99	0.07269	0.02133	0.04604	0.05451	0.16078	0.13366	0.0245	0.02133	3.49E-01	9.08E-04	1.10E-07	1.32E-03	3.47E-02	8.65E-03	4.00E-03	3.34E-03	3.95E-01
1458	495511.06	3858451.99	0.07195	0.02078	0.04561	0.05412	0.16017	0.13882	0.0241	0.02078	3.45E-01	8.84E-04	1.09E-07	1.31E-03	3.45E-02	8.98E-03	3.94E-03	3.26E-03	3.92E-01
1459	495561.06	3858451.99	0.07254	0.02115	0.04602	0.0538	0.16064	0.14347	0.0241	0.02115	3.48E-01	9.00E-04	1.10E-07	1.30E-03	3.46E-02	9.28E-03	3.93E-03	3.31E-03	3.95E-01
1460	495611.06	3858451.99	0.07153	0.02136	0.04631	0.05332	0.1597	0.15168	0.024	0.02136	3.43E-01	9.09E-04	1.11E-07	1.29E-03	3.44E-02	9.81E-03	3.91E-03	3.35E-03	3.90E-01
1461	495661.06	3858451.99	0.07178	0.02167	0.04643	0.05291	0.15981	0.16038	0.024	0.02167	3.44E-01	9.22E-04	1.11E-07	1.28E-03	3.45E-02	1.04E-02	3.92E-03	3.39E-03	3.92E-01
1462	494311.06	3858501.99	0.11703	0.02922	0.0616	0.06973	0.221	0.07989	0.0332	0.02922	5.62E-01	1.24E-03	1.48E-07	1.69E-03	4.77E-02	5.17E-03	5.41E-03	4.58E-03	6.18E-01
1463	494361.06	3858501.99	0.1152	0.02874	0.06109	0.06819	0.21507	0.08324	0.0317	0.02874	5.53E-01	1.22E-03	1.47E-07	1.65E-03	4.64E-02	5.39E-03	5.17E-03	4.50E-03	6.08E-01
1464	494411.06	3858501.99	0.11302	0.02823	0.05988	0.06761	0.2083	0.08666	0.0303	0.02823	5.42E-01	1.20E-03	1.44E-07	1.64E-03	4.49E-02	5.61E-03	4.94E-03	4.42E-03	5.96E-01
1465	494461.06	3858501.99	0.11178	0.02804	0.05978	0.06739	0.20565	0.09003	0.0304	0.02804	5.36E-01	1.19E-03	1.43E-07	1.63E-03	4.44E-02	5.83E-03	4.96E-03	4.39E-03	5.90E-01
1466	494511.06	3858501.99	0.10874	0.02783	0.05909	0.06611	0.20623	0.09356	0.0303	0.02783	5.22E-01	1.18E-03	1.42E-07	1.60E-03	4.45E-02	6.05E-03	4.95E-03	4.36E-03	5.76E-01
1467	494561.06	3858501.99	0.10933	0.02783	0.05847	0.06637	0.20405	0.09674	0.0296	0.02783	5.25E-01	1.18E-03	1.40E-07	1.61E-03	4.40E-02	6.26E-03	4.83E-03	4.36E-03	5.78E-01
1468	494611.06	3858501.99	0.10679	0.02764	0.05728	0.06515	0.19723	0.09717	0.0284	0.02764	5.12E-01	1.18E-03	1.37E-07	1.58E-03	4.25E-02	6.29E-03	4.63E-03	4.33E-03	5.64E-01
1469	494661.06	3858501.99	0.10527	0.02646	0.05628	0.06443	0.19049	0.0985	0.0283	0.02646	5.05E-01	1.13E-03	1.35E-07	1.56E-03	4.11E-02	6.37E-03	4.62E-03	4.14E-03	5.56E-01
1470	494711.06	3858501.99	0.10231	0.0262	0.05499	0.06298	0.18374	0.09573	0.0282	0.0262	4.91E-01	1.11E-03	1.32E-07	1.53E-03	3.96E-02	6.19E-03	4.61E-03	4.10E-03	5.40E-01
1471	494761.06	3858501.99	0.09886	0.02593	0.05364	0.06133	0.17707	0.09541	0.0281	0.02593	4.74E-01	1.10E-03	1.29E-07	1.49E-03	3.82E-02	6.17E-03	4.58E-03	4.06E-03	5.22E-01
1472	494811.06	3858501.99	0.09573	0.02566	0.05317	0.0598	0.17047	0.09746	0.0272	0.02566	4.59E-01	1.09E-03	1.28E-07	1.45E-03	3.68E-02	6.31E-03	4.44E-03	4.02E-03	5.05E-01
1473	494861.06	3858501.99	0.09408	0.02543	0.05303	0.05874	0.16402	0.09964	0.0264	0.02543	4.51E-01	1.08E-03	1.27E-07	1.42E-03	3.54E-02	6.45E-03	4.31E-03	3.98E-03	4.96E-01
1474	494911.06	3858501.99	0.09273	0.02495	0.05284	0.05659	0.15825	0.09962	0.0257	0.02495	4.45E-01	1.06E-03	1.27E-07	1.37E-03	3.41E-02	6.45E-03	4.20E-03	3.91E-03	4.88E-01
1475	494961.06	3858501.99	0.0913	0.02422	0.05234	0.05631	0.15839	0.10072	0.0256	0.02422	4.38E-01	1.03E-03	1.26E-07	1.36E-03	3.42E-02	6.52E-03	4.18E-03	3.79E-03	4.82E-01
1476	495011.06	3858501.99	0.08743	0.02369	0.05217	0.05484	0.15771	0.1025	0.0254	0.02369	4.20E-01	1.01E-03	1.25E-07	1.33E-03	3.40E-02	6.63E-03	4.14E-03	3.71E-03	4.63E-01
1477	495061.06	3858501.99	0.08605	0.02356	0.05177	0.05436	0.15803	0.10547	0.0253	0.02356	4.13E-01	1.00E-03	1.24E-07	1.32E-03	3.41E-02	6.82E-03	4.13E-03	3.69E-03	4.57E-01
1478	495111.06	3858501.99	0.08126	0.02331	0.05081	0.05397	0.15671	0.11122	0.025	0.02331	3.90E-01	9.92E-04	1.22E-07	1.31E-03	3.38E-02	7.20E-03	4.08E-03	3.65E-03	4.34E-01

1479	495161.06	3858501.99	0.07961	0.02313	0.04998	0.05382	0.15618	0.11666	0.0248	0.02313	3.82E-01	9.84E-04	1.20E-07	1.30E-03	3.37E-02	7.55E-03	4.05E-03	3.62E-03	4.26E-01
1480	495211.06	3858501.99	0.07801	0.0229	0.04971	0.05367	0.15561	0.12224	0.0247	0.0229	3.74E-01	9.74E-04	1.19E-07	1.30E-03	3.36E-02	7.91E-03	4.03E-03	3.59E-03	4.19E-01
1481	495261.06	3858501.99	0.07702	0.0228	0.04992	0.05358	0.15542	0.12321	0.0246	0.0228	3.70E-01	9.70E-04	1.20E-07	1.30E-03	3.35E-02	7.97E-03	4.01E-03	3.57E-03	4.14E-01
1482	495311.06	3858501.99	0.07664	0.02269	0.05026	0.05353	0.15563	0.1261	0.0245	0.02269	3.68E-01	9.65E-04	1.21E-07	1.30E-03	3.36E-02	8.16E-03	4.00E-03	3.55E-03	4.12E-01
1483	495361.06	3858501.99	0.0763	0.02258	0.05005	0.05349	0.15583	0.12924	0.0245	0.02258	3.66E-01	9.61E-04	1.20E-07	1.30E-03	3.36E-02	8.36E-03	3.99E-03	3.54E-03	4.11E-01
1484	495411.06	3858501.99	0.07623	0.02248	0.0495	0.05347	0.15618	0.13235	0.0244	0.02248	3.66E-01	9.56E-04	1.19E-07	1.30E-03	3.37E-02	8.56E-03	3.99E-03	3.52E-03	4.11E-01
1485	495461.06	3858501.99	0.07616	0.02239	0.04945	0.05321	0.15649	0.13579	0.0244	0.02239	3.65E-01	9.53E-04	1.19E-07	1.29E-03	3.38E-02	8.79E-03	3.99E-03	3.51E-03	4.11E-01
1486	495511.06	3858501.99	0.07582	0.02227	0.04981	0.05272	0.15653	0.14126	0.0246	0.02227	3.64E-01	9.48E-04	1.19E-07	1.28E-03	3.38E-02	9.14E-03	4.02E-03	3.49E-03	4.10E-01
1487	495561.06	3858501.99	0.07635	0.02222	0.05016	0.05226	0.15721	0.15115	0.0249	0.02222	3.66E-01	9.45E-04	1.20E-07	1.27E-03	3.39E-02	9.78E-03	4.07E-03	3.48E-03	4.13E-01
1488	495611.06	3858501.99	0.07553	0.02197	0.04965	0.05167	0.15756	0.16488	0.0248	0.02197	3.62E-01	9.35E-04	1.19E-07	1.25E-03	3.40E-02	1.07E-02	4.05E-03	3.44E-03	4.10E-01
1489	495661.06	3858501.99	0.07576	0.022	0.04977	0.05123	0.15713	0.17614	0.0246	0.022	3.64E-01	9.36E-04	1.19E-07	1.24E-03	3.39E-02	1.14E-02	4.01E-03	3.45E-03	4.12E-01
1490	494311.06	3858551.99	0.11865	0.0298	0.06168	0.06965	0.21483	0.08929	0.0353	0.0298	5.69E-01	1.27E-03	1.48E-07	1.69E-03	4.63E-02	5.78E-03	5.77E-03	4.67E-03	6.26E-01
1491	494361.06	3858551.99	0.12019	0.0294	0.06141	0.07001	0.21557	0.09183	0.0351	0.0294	5.77E-01	1.25E-03	1.47E-07	1.70E-03	4.65E-02	5.94E-03	5.73E-03	4.61E-03	6.33E-01
1492	494411.06	3858551.99	0.1215	0.029	0.06185	0.0699	0.21692	0.0937	0.0348	0.029	5.83E-01	1.23E-03	1.48E-07	1.69E-03	4.68E-02	6.06E-03	5.68E-03	4.54E-03	6.40E-01
1493	494461.06	3858551.99	0.12109	0.02887	0.06118	0.06979	0.21434	0.09473	0.034	0.02887	5.81E-01	1.23E-03	1.47E-07	1.69E-03	4.62E-02	6.13E-03	5.54E-03	4.52E-03	6.37E-01
1494	494511.06	3858551.99	0.11949	0.02873	0.06028	0.06961	0.21476	0.09791	0.0328	0.02873	5.73E-01	1.22E-03	1.45E-07	1.69E-03	4.63E-02	6.34E-03	5.35E-03	4.50E-03	6.30E-01
1495	494561.06	3858551.99	0.11822	0.02862	0.05944	0.06891	0.2182	0.10169	0.0317	0.02862	5.67E-01	1.22E-03	1.43E-07	1.67E-03	4.71E-02	6.58E-03	5.18E-03	4.48E-03	6.25E-01
1496	494611.06	3858551.99	0.11621	0.02845	0.05905	0.06466	0.21654	0.10043	0.0307	0.02845	5.58E-01	1.21E-03	1.42E-07	1.57E-03	4.67E-02	6.50E-03	5.01E-03	4.46E-03	6.14E-01
1497	494661.06	3858551.99	0.11447	0.02831	0.05793	0.06269	0.21039	0.09991	0.0303	0.02831	5.49E-01	1.20E-03	1.39E-07	1.52E-03	4.54E-02	6.46E-03	4.94E-03	4.43E-03	6.04E-01
1498	494711.06	3858551.99	0.11103	0.02806	0.05613	0.06155	0.20192	0.10174	0.0281	0.02806	5.33E-01	1.19E-03	1.35E-07	1.49E-03	4.35E-02	6.58E-03	4.58E-03	4.40E-03	5.86E-01
1499	494761.06	3858551.99	0.10764	0.02629	0.05505	0.06111	0.20253	0.09921	0.0279	0.02629	5.17E-01	1.12E-03	1.32E-07	1.48E-03	4.37E-02	6.42E-03	4.56E-03	4.12E-03	5.70E-01
1500	494811.06	3858551.99	0.10511	0.02606	0.05499	0.06069	0.19889	0.10205	0.0279	0.02606	5.04E-01	1.11E-03	1.32E-07	1.47E-03	4.29E-02	6.60E-03	4.55E-03	4.08E-03	5.57E-01
1501	494861.06	3858551.99	0.10174	0.02581	0.05513	0.06027	0.19226	0.10346	0.0278	0.02581	4.88E-01	1.10E-03	1.32E-07	1.46E-03	4.15E-02	6.69E-03	4.54E-03	4.04E-03	5.39E-01
1502	494911.06	3858551.99	0.09778	0.02556	0.05507	0.05972	0.18562	0.10387	0.0271	0.02556	4.69E-01	1.09E-03	1.32E-07	1.45E-03	4.00E-02	6.72E-03	4.43E-03	4.00E-03	5.19E-01
1503	494961.06	3858551.99	0.09477	0.02532	0.05438	0.0573	0.17909	0.10449	0.0263	0.02532	4.55E-01	1.08E-03	1.30E-07	1.39E-03	3.86E-02	6.76E-03	4.29E-03	3.97E-03	5.03E-01
1504	495011.06	3858551.99	0.09221	0.02489	0.05388	0.05636	0.1726	0.10643	0.0257	0.02489	4.43E-01	1.06E-03	1.29E-07	1.37E-03	3.72E-02	6.89E-03	4.19E-03	3.90E-03	4.89E-01
1505	495061.06	3858551.99	0.0916	0.02415	0.05369	0.05582	0.16624	0.11406	0.0256	0.02415	4.40E-01	1.03E-03	1.29E-07	1.35E-03	3.59E-02	7.38E-03	4.17E-03	3.78E-03	4.86E-01
1506	495111.06	3858551.99	0.0874	0.02365	0.0532	0.05372	0.1599	0.11694	0.0253	0.02365	4.19E-01	1.01E-03	1.28E-07	1.30E-03	3.45E-02	7.57E-03	4.12E-03	3.70E-03	4.64E-01
1507	495161.06	3858551.99	0.08429	0.02346	0.05285	0.05301	0.15372	0.11962	0.0251	0.02346	4.04E-01	9.98E-04	1.27E-07	1.28E-03	3.32E-02	7.74E-03	4.09E-03	3.68E-03	4.48E-01
1508	495211.06	3858551.99	0.08163	0.02328	0.0525	0.05274	0.14808	0.12376	0.0249	0.02328	3.92E-01	9.91E-04	1.26E-07	1.28E-03	3.19E-02	8.01E-03	4.07E-03	3.65E-03	4.34E-01
1509	495261.06	3858551.99	0.08056	0.02314	0.05243	0.05256	0.14831	0.12584	0.0248	0.02314	3.87E-01	9.85E-04	1.26E-07	1.27E-03	3.20E-02	8.14E-03	4.05E-03	3.62E-03	4.29E-01
1510	495311.06	3858551.99	0.08036	0.02303	0.05267	0.05248	0.14895	0.12908	0.0248	0.02303	3.86E-01	9.80E-04	1.26E-07	1.27E-03	3.21E-02	8.35E-03	4.05E-03	3.61E-03	4.29E-01
1511	495361.06	3858551.99	0.08002	0.02317	0.05234	0.05239	0.14944	0.1325	0.0248	0.02317	3.84E-01	9.86E-04	1.26E-07	1.27E-03	3.22E-02	8.57E-03	4.04E-03	3.63E-03	4.27E-01
1512	495411.06	3858551.99	0.0801	0.02294	0.05203	0.05216	0.15018	0.13559	0.0248	0.02294	3.84E-01	9.76E-04	1.25E-07	1.26E-03	3.24E-02	8.77E-03	4.05E-03	3.59E-03	4.28E-01
1513	495461.06	3858551.99	0.07991	0.02272	0.05153	0.05159	0.15068	0.14579	0.0248	0.02272	3.83E-01	9.67E-04	1.24E-07	1.25E-03	3.25E-02	9.43E-03	4.04E-03	3.56E-03	4.28E-01
1514	495511.06	3858551.99	0.08004	0.02263	0.05072	0.05148	0.15137	0.15365	0.0248	0.02263	3.84E-01	9.63E-04	1.22E-07	1.25E-03	3.26E-02	9.94E-03	4.04E-03	3.55E-03	4.29E-01
1515	495561.06	3858551.99	0.07983	0.02252	0.05033	0.0514	0.15177	0.16184	0.0248	0.02252	3.83E-01	9.58E-04	1.21E-07	1.25E-03	3.27E-02	1.05E-02	4.04E-03	3.53E-03	4.29E-01
1516	495611.06	3858551.99	0.07944	0.02241	0.05012	0.05119	0.15199	0.17231	0.0247	0.02241	3.81E-01	9.54E-04	1.20E-07	1.24E-03	3.28E-02	1.11E-02	4.04E-03	3.51E-03	4.28E-01
1517	495661.06	3858551.99	0.07894	0.02229	0.04993	0.05118	0.15209	0.18715	0.0249	0.02229	3.79E-01	9.48E-04	1.20E-07	1.24E-03	3.28E-02	1.21E-02	4.06E-03	3.49E-03	4.26E-01
1518	494311.06	3858601.99	0.11077	0.03023	0.06054	0.06663	0.20587	0.09348	0.0304	0.03023	5.32E-01	1.29E-03	1.45E-07	1.61E-03	4.44E-02	6.05E-03	4.95E-03	4.74E-03	5.85E-01
1519	494361.06	3858601.99	0.12325	0.02994	0.06158	0.07094	0.22326	0.09481	0.0356	0.02994	5.91E-01	1.27E-03	1.48E-07	1.72E-03	4.82E-02	6.13E-03	5.80E-03	4.69E-03	6.50E-01
1520	494411.06	3858601.99	0.1234	0.02989	0.06555	0.0716	0.2517	0.09541	0.0354	0.02989	5.92E-01	1.27E-03	1.57E-07	1.73E-03	5.43E-02	6.17E-03	5.77E-03	4.68E-03	6.57E-01
1521	494461.06	3858601.99	0.12327	0.02982	0.06529	0.07137	0.2501	0.09703	0.0351	0.02982	5.92E-01	1.27E-03	1.57E-07	1.73E-03	5.39E-02	6.28E-03	5.73E-03	4.67E-03	6.56E-01
1522	494511.06	3858601.99	0.1231	0.02955	0.06395	0.0711	0.23496	0.09936	0.0348	0.02955	5.91E-01	1.26E-03	1.53E-07	1.72E-03	5.07E-02	6.43E-03	5.68E-03	4.63E-03	6.52E-01
1523	494561.06	3858601.99	0.12294	0.02957	0.06385	0.07089	0.23285	0.10303	0.0345	0.02957	5.90E-01	1.26E-03	1.53E-07	1.72E-03	5.02E-02	6.67E-03	5.63E-03	4.63E-03	6.51E-01
1524	494611.06	3858601.99	0.12268	0.02934	0.06276	0.07035	0.22296	0.10375	0.0342	0.02934	5.89E-01	1.25E-03	1.51E-07	1.70E-03	4.81E-02	6.71E-03	5.58E-03	4.60E-03	6.47E-01
1525	494661.06	3858601.99	0.12247	0.02916	0.0622	0.07008	0.21817	0.10583	0.0337	0.02916	5.88E-01	1.24E-03	1.49E-07	1.70E-03	4.71E-02	6.85E-03	5.50E-03	4.57E-03	6.45E-01
1526	494711.06	3858601.99	0.12018	0.0289	0.06157	0.06965	0.21138	0.10533	0.032	0.0289	5.77E-01	1.23E-03	1.48E-07	1.69E-03	4.56E-02	6.82E-03	5.23E-03	4.53E-03	6.33E-01
1527	494761.06	3858601.99	0.11695	0.02865	0.06059	0.06569	0.20442	0.10533	0.0305	0.02865	5.61E-01	1.22E-03	1.45E-07	1.59E-03	4.41E-02	6.82E-03	4.97E-03	4.49E-03	6.15E-01
1528	494811.06	3858601.99	0.11201	0.0281	0.05864	0.0627	0.20374	0.10688	0.0281	0.0281	5.38E-01	1.20E-03	1.41E-07	1.52E-03	4.39E-02	6.92E-03	4.58E-03	4.40E-03	5.91E-01
1529	494861.06	3858601.99	0.10949	0.02628	0.05829	0.06231	0.20371	0.1095	0.0277	0.02628	5.25E-01	1.12E-03	1.40E-07	1.51E-03	4.39E-02	7.08E-03	4.51E-03	4.12E-03	5.79E-01
1530	494911.06	3858601.99	0.1049	0.02592	0.05757	0.06189	0.19731	0.10972	0.0276	0.02592	5.03E-01	1.10E-03	1.38E-07	1.50E-03	4.26E-02	7.10E-03	4.50E-03	4.06E-03	5.56E-01
1531	494961.06	3858601.99	0.10177	0.02571	0.05689	0.06151	0.19808	0.11343	0.0275	0.02571	4.88E-01	1.09E-03	1.36E-07	1.49E-03	4.27E-02	7.34E-03	4.49E-03	4.03E-03	5.41E-01
1532	495011.06	3858601.99	0.09846	0.02549	0.05625	0.06098	0.19874	0.11611	0.027	0.02549	4.73E-01	1.08E-03	1.35E-07	1.48E-03	4.29E-02	7.51E-03	4.40E-03	3.99E-03	5.26E-01
1533	495061.06	3858601.99	0.095	0.02528	0.056	0.05808	0.19372	0.11802	0.0261	0.02528	4.56E-01	1.08E-03	1.34E-07	1.41E-03	4.18E-02	7.64E-03	4.26E-03	3.96E-03	5.08E-01
1534	495111.06	3858601.99	0.09072	0.02462	0.05515	0.05523	0.18722	0.11987	0.0255	0.02462	4.35E-01	1.05E-03	1.32E-07	1.34E-03	4.04E-02	7.76E-03	4.16E-03	3.86E-03	4.86E-01
1535	495161.06	3858601.99	0.08998	0.02386	0.05469	0.05456	0.18082	0.12307	0.0253	0.02386	4.32E-01	1.02E-03	1.31E-07	1.32E-03	3.90E-02	7.96E-03	4.13E-03	3.74E-03	4.81E-01

1536	495211.06	3858601.99	0.08894	0.02366	0.05498	0.05413	0.17455	0.12482	0.0252	0.02366	4.27E-01	1.01E-03	1.32E-07	1.31E-03	3.76E-02	8.08E-03	4.12E-03	3.71E-03	4.75E-01
1537	495261.06	3858601.99	0.08695	0.0235	0.05417	0.05361	0.16835	0.128	0.0251	0.0235	4.17E-01	1.00E-03	1.30E-07	1.30E-03	3.63E-02	8.28E-03	4.10E-03	3.68E-03	4.65E-01
1538	495311.06	3858601.99	0.08559	0.02337	0.05408	0.0533	0.16222	0.13266	0.0251	0.02337	4.11E-01	9.94E-04	1.30E-07	1.29E-03	3.50E-02	8.58E-03	4.09E-03	3.66E-03	4.57E-01
1539	495361.06	3858601.99	0.08498	0.02326	0.05407	0.05309	0.15624	0.13771	0.0251	0.02326	4.08E-01	9.90E-04	1.30E-07	1.29E-03	3.37E-02	8.91E-03	4.09E-03	3.64E-03	4.53E-01
1540	495411.06	3858601.99	0.08435	0.02315	0.05408	0.05289	0.15036	0.14368	0.025	0.02315	4.05E-01	9.85E-04	1.30E-07	1.28E-03	3.24E-02	9.30E-03	4.09E-03	3.63E-03	4.49E-01
1541	495461.06	3858601.99	0.08392	0.02322	0.05411	0.05273	0.14458	0.15082	0.025	0.02322	4.03E-01	9.88E-04	1.30E-07	1.28E-03	3.12E-02	9.76E-03	4.09E-03	3.64E-03	4.46E-01
1542	495511.06	3858601.99	0.08286	0.0235	0.05407	0.05239	0.14378	0.16027	0.025	0.0235	3.98E-01	1.00E-03	1.30E-07	1.27E-03	3.10E-02	1.04E-02	4.08E-03	3.68E-03	4.42E-01
1543	495561.06	3858601.99	0.0831	0.02372	0.05416	0.05232	0.14473	0.17391	0.025	0.02372	3.99E-01	1.01E-03	1.30E-07	1.27E-03	3.12E-02	1.13E-02	4.08E-03	3.72E-03	4.44E-01
1544	495611.06	3858601.99	0.08225	0.02346	0.0538	0.05192	0.14493	0.18972	0.0249	0.02346	3.95E-01	9.98E-04	1.29E-07	1.26E-03	3.13E-02	1.23E-02	4.07E-03	3.68E-03	4.41E-01
1545	495661.06	3858601.99	0.08231	0.0233	0.05351	0.0518	0.14568	0.20417	0.0249	0.0233	3.95E-01	9.91E-04	1.28E-07	1.25E-03	3.14E-02	1.32E-02	4.07E-03	3.65E-03	4.42E-01
1546	494311.06	3858651.99	0.11325	0.03059	0.06182	0.06711	0.20477	0.09707	0.033	0.03059	5.43E-01	1.30E-03	1.48E-07	1.63E-03	4.42E-02	6.28E-03	5.39E-03	4.79E-03	5.97E-01
1547	494361.06	3858651.99	0.12318	0.03035	0.06667	0.07226	0.22306	0.09753	0.036	0.03035	5.91E-01	1.29E-03	1.60E-07	1.75E-03	4.81E-02	6.31E-03	5.88E-03	4.75E-03	6.50E-01
1548	494411.06	3858651.99	0.12411	0.03064	0.06754	0.07437	0.24349	0.09779	0.0359	0.03064	5.96E-01	1.30E-03	1.62E-07	1.80E-03	5.25E-02	6.33E-03	5.86E-03	4.80E-03	6.59E-01
1549	494461.06	3858651.99	0.12399	0.03077	0.06904	0.07474	0.26828	0.09956	0.0356	0.03077	5.95E-01	1.31E-03	1.66E-07	1.81E-03	5.79E-02	6.44E-03	5.81E-03	4.82E-03	6.63E-01
1550	494511.06	3858651.99	0.12383	0.0306	0.06913	0.07302	0.26466	0.10156	0.0353	0.0306	5.94E-01	1.30E-03	1.66E-07	1.77E-03	5.71E-02	6.57E-03	5.77E-03	4.79E-03	6.62E-01
1551	494561.06	3858651.99	0.12369	0.03049	0.06928	0.07267	0.2643	0.10496	0.0351	0.03049	5.94E-01	1.30E-03	1.66E-07	1.76E-03	5.70E-02	6.79E-03	5.72E-03	4.78E-03	6.61E-01
1552	494611.06	3858651.99	0.12353	0.03033	0.06921	0.07214	0.26016	0.10562	0.0348	0.03033	5.93E-01	1.29E-03	1.66E-07	1.75E-03	5.61E-02	6.83E-03	5.68E-03	4.75E-03	6.60E-01
1553	494661.06	3858651.99	0.1233	0.0301	0.06884	0.07177	0.25479	0.10687	0.0345	0.0301	5.92E-01	1.28E-03	1.65E-07	1.74E-03	5.50E-02	6.91E-03	5.63E-03	4.72E-03	6.58E-01
1554	494711.06	3858651.99	0.12302	0.02978	0.06816	0.07131	0.24444	0.10809	0.0342	0.02978	5.90E-01	1.27E-03	1.63E-07	1.73E-03	5.27E-02	6.99E-03	5.58E-03	4.67E-03	6.54E-01
1555	494761.06	3858651.99	0.12275	0.02953	0.0676	0.07066	0.23071	0.10909	0.0339	0.02953	5.89E-01	1.26E-03	1.62E-07	1.71E-03	4.98E-02	7.06E-03	5.53E-03	4.63E-03	6.50E-01
1556	494811.06	3858651.99	0.12141	0.02918	0.06653	0.07012	0.2168	0.10979	0.0327	0.02918	5.83E-01	1.24E-03	1.60E-07	1.70E-03	4.68E-02	7.10E-03	5.34E-03	4.57E-03	6.40E-01
1557	494861.06	3858651.99	0.11735	0.02886	0.0655	0.06659	0.20934	0.11218	0.0304	0.02886	5.63E-01	1.23E-03	1.57E-07	1.61E-03	4.51E-02	7.26E-03	4.96E-03	4.52E-03	6.19E-01
1558	494911.06	3858651.99	0.1128	0.02804	0.06062	0.06323	0.20102	0.11504	0.0281	0.02804	5.41E-01	1.19E-03	1.45E-07	1.53E-03	4.34E-02	7.44E-03	4.59E-03	4.39E-03	5.95E-01
1559	494961.06	3858651.99	0.10871	0.02608	0.06081	0.06287	0.1932	0.11675	0.0274	0.02608	5.22E-01	1.11E-03	1.46E-07	1.52E-03	4.17E-02	7.55E-03	4.48E-03	4.09E-03	5.74E-01
1560	495011.06	3858651.99	0.10563	0.0259	0.06012	0.06253	0.19046	0.11948	0.0274	0.0259	5.07E-01	1.10E-03	1.44E-07	1.51E-03	4.11E-02	7.73E-03	4.47E-03	4.06E-03	5.59E-01
1561	495061.06	3858651.99	0.10205	0.0257	0.06048	0.06219	0.19159	0.12152	0.0273	0.0257	4.90E-01	1.09E-03	1.45E-07	1.51E-03	4.13E-02	7.86E-03	4.46E-03	4.03E-03	5.42E-01
1562	495111.06	3858651.99	0.09774	0.02548	0.06005	0.06006	0.1868	0.12363	0.0267	0.02548	4.69E-01	1.08E-03	1.44E-07	1.46E-03	4.03E-02	8.00E-03	4.36E-03	3.99E-03	5.20E-01
1563	495161.06	3858651.99	0.09517	0.02531	0.0592	0.05839	0.18834	0.12639	0.0259	0.02531	4.57E-01	1.08E-03	1.42E-07	1.41E-03	4.06E-02	8.18E-03	4.23E-03	3.96E-03	5.08E-01
1564	495211.06	3858651.99	0.09207	0.02465	0.05821	0.05657	0.18927	0.12796	0.0255	0.02465	4.42E-01	1.05E-03	1.40E-07	1.37E-03	4.08E-02	8.28E-03	4.16E-03	3.86E-03	4.94E-01
1565	495261.06	3858651.99	0.09147	0.02406	0.05775	0.0563	0.19232	0.13277	0.0255	0.02406	4.39E-01	1.02E-03	1.39E-07	1.36E-03	4.15E-02	8.59E-03	4.15E-03	3.77E-03	4.92E-01
1566	495311.06	3858651.99	0.0901	0.02373	0.05711	0.05589	0.18895	0.13692	0.0254	0.02373	4.32E-01	1.01E-03	1.37E-07	1.35E-03	4.08E-02	8.86E-03	4.14E-03	3.72E-03	4.85E-01
1567	495361.06	3858651.99	0.09007	0.02361	0.05663	0.05563	0.18282	0.14266	0.0254	0.02361	4.32E-01	1.00E-03	1.36E-07	1.35E-03	3.94E-02	9.23E-03	4.14E-03	3.70E-03	4.84E-01
1568	495411.06	3858651.99	0.09017	0.0235	0.05623	0.05552	0.1767	0.15122	0.0254	0.0235	4.33E-01	1.00E-03	1.35E-07	1.35E-03	3.81E-02	9.78E-03	4.14E-03	3.68E-03	4.83E-01
1569	495461.06	3858651.99	0.09044	0.02341	0.05592	0.05606	0.17068	0.16324	0.0254	0.02341	4.34E-01	9.96E-04	1.34E-07	1.36E-03	3.68E-02	1.06E-02	4.15E-03	3.67E-03	4.84E-01
1570	495511.06	3858651.99	0.09006	0.02325	0.05522	0.05557	0.1647	0.17665	0.0253	0.02325	4.32E-01	9.89E-04	1.32E-07	1.35E-03	3.55E-02	1.14E-02	4.13E-03	3.64E-03	4.82E-01
1571	495561.06	3858651.99	0.08889	0.02315	0.05464	0.05506	0.15876	0.18936	0.0253	0.02315	4.27E-01	9.85E-04	1.31E-07	1.33E-03	3.42E-02	1.23E-02	4.12E-03	3.63E-03	4.76E-01
1572	495611.06	3858651.99	0.08674	0.0234	0.05388	0.05417	0.15291	0.20406	0.0252	0.0234	4.16E-01	9.96E-04	1.29E-07	1.31E-03	3.30E-02	1.32E-02	4.11E-03	3.67E-03	4.65E-01
1573	495661.06	3858651.99	0.08626	0.02372	0.05348	0.05413	0.14723	0.21912	0.0252	0.02372	4.14E-01	1.01E-03	1.28E-07	1.31E-03	3.18E-02	1.42E-02	4.11E-03	3.72E-03	4.63E-01
1574	494311.06	3858701.99	0.12039	0.03121	0.07001	0.06893	0.20593	0.09904	0.0367	0.03121	5.78E-01	1.33E-03	1.68E-07	1.67E-03	4.44E-02	6.41E-03	5.98E-03	4.89E-03	6.33E-01
1575	494361.06	3858701.99	0.12419	0.03216	0.06928	0.07367	0.23145	0.10012	0.0366	0.03216	5.96E-01	1.37E-03	1.66E-07	1.78E-03	4.99E-02	6.48E-03	5.97E-03	5.04E-03	6.56E-01
1576	494411.06	3858701.99	0.12456	0.0317	0.07168	0.07571	0.25939	0.10224	0.0375	0.0317	5.98E-01	1.35E-03	1.72E-07	1.83E-03	5.59E-02	6.62E-03	6.12E-03	4.97E-03	6.65E-01
1577	494461.06	3858701.99	0.12452	0.03159	0.07177	0.07521	0.26345	0.10316	0.0366	0.03159	5.98E-01	1.34E-03	1.72E-07	1.82E-03	5.68E-02	6.67E-03	5.98E-03	4.95E-03	6.65E-01
1578	494511.06	3858701.99	0.12438	0.03161	0.07556	0.07504	0.26676	0.10523	0.0359	0.03161	5.97E-01	1.34E-03	1.81E-07	1.82E-03	5.75E-02	6.81E-03	5.86E-03	4.95E-03	6.65E-01
1579	494561.06	3858701.99	0.12426	0.03145	0.07503	0.07422	0.2699	0.11	0.0356	0.03145	5.96E-01	1.34E-03	1.80E-07	1.80E-03	5.82E-02	7.12E-03	5.81E-03	4.93E-03	6.66E-01
1580	494611.06	3858701.99	0.12398	0.03106	0.07255	0.07355	0.2712	0.10874	0.0353	0.03106	5.95E-01	1.32E-03	1.74E-07	1.78E-03	5.85E-02	7.04E-03	5.76E-03	4.87E-03	6.64E-01
1581	494661.06	3858701.99	0.1239	0.031	0.07084	0.07366	0.27276	0.11085	0.035	0.031	5.95E-01	1.32E-03	1.70E-07	1.78E-03	5.88E-02	7.17E-03	5.72E-03	4.86E-03	6.65E-01
1582	494711.06	3858701.99	0.12253	0.03021	0.06707	0.07033	0.23564	0.10941	0.0346	0.03021	5.88E-01	1.29E-03	1.61E-07	1.70E-03	5.08E-02	7.08E-03	5.65E-03	4.73E-03	6.50E-01
1583	494761.06	3858701.99	0.12299	0.03033	0.0659	0.07046	0.25141	0.11848	0.0344	0.03033	5.90E-01	1.29E-03	1.58E-07	1.71E-03	5.42E-02	7.67E-03	5.62E-03	4.75E-03	6.56E-01
1584	494811.06	3858701.99	0.12202	0.02996	0.06576	0.07054	0.23293	0.12264	0.0341	0.02996	5.86E-01	1.27E-03	1.58E-07	1.71E-03	5.02E-02	7.94E-03	5.56E-03	4.69E-03	6.48E-01
1585	494861.06	3858701.99	0.12121	0.02965	0.06587	0.07062	0.23058	0.11899	0.0335	0.02965	5.82E-01	1.26E-03	1.58E-07	1.71E-03	4.97E-02	7.70E-03	5.47E-03	4.64E-03	6.43E-01
1586	494911.06	3858701.99	0.1205	0.02939	0.06599	0.07053	0.22706	0.12077	0.0325	0.02939	5.78E-01	1.25E-03	1.58E-07	1.71E-03	4.90E-02	7.81E-03	5.30E-03	4.60E-03	6.39E-01
1587	494961.06	3858701.99	0.11505	0.0289	0.06563	0.06369	0.20821	0.11802	0.0299	0.0289	5.52E-01	1.23E-03	1.57E-07	1.54E-03	4.49E-02	7.64E-03	4.87E-03	4.53E-03	6.08E-01
1588	495011.06	3858701.99	0.11108	0.02768	0.0636	0.06312	0.20146	0.12243	0.0278	0.02768	5.33E-01	1.18E-03	1.53E-07	1.53E-03	4.34E-02	7.92E-03	4.53E-03	4.34E-03	5.87E-01
1589	495061.06	3858701.99	0.10943	0.02612	0.06275	0.06285	0.19783	0.12539	0.0273	0.02612	5.25E-01	1.11E-03	1.50E-07	1.52E-03	4.27E-02	8.11E-03	4.46E-03	4.09E-03	5.79E-01
1590	495111.06	3858701.99	0.10475	0.02592	0.06121	0.06256	0.1897	0.12936	0.0272	0.02592	5.03E-01	1.10E-03	1.47E-07	1.52E-03	4.09E-02	8.37E-03	4.44E-03	4.06E-03	5.55E-01
1591	495161.06	3858701.99	0.10255	0.02577	0.06024	0.06229	0.18489	0.13432	0.0273	0.02577	4.92E-01	1.10E-03	1.44E-07	1.51E-03	3.99E-02	8.69E-03	4.45E-03	4.04E-03	5.44E-01
1592	495211.06	3858701.99	0.09941	0.02559	0.05909	0.06114	0.18547	0.13592	0.0267	0.02559	4.77E-01	1.09E-03	1.42E-07	1.48E-03	4.00E-02	8.79E-03	4.36E-03	4.01E-03	5.29E-01

1593	495261.06	3858701.99	0.09887	0.02548	0.05851	0.06103	0.1868	0.14018	0.0261	0.02548	4.74E-01	1.08E-03	1.40E-07	1.48E-03	4.03E-02	9.07E-03	4.26E-03	3.99E-03	5.27E-01
1594	495311.06	3858701.99	0.09836	0.02501	0.05795	0.06116	0.1849	0.14533	0.0257	0.02501	4.72E-01	1.06E-03	1.39E-07	1.48E-03	3.99E-02	9.40E-03	4.20E-03	3.92E-03	5.24E-01
1595	495361.06	3858701.99	0.09727	0.0244	0.05727	0.05981	0.18042	0.15498	0.0257	0.0244	4.67E-01	1.04E-03	1.37E-07	1.45E-03	3.89E-02	1.00E-02	4.19E-03	3.82E-03	5.19E-01
1596	495411.06	3858701.99	0.09722	0.0239	0.05683	0.06025	0.18264	0.16572	0.0257	0.0239	4.67E-01	1.02E-03	1.36E-07	1.46E-03	3.94E-02	1.07E-02	4.20E-03	3.74E-03	5.20E-01
1597	495461.06	3858701.99	0.09647	0.02373	0.05626	0.05945	0.18573	0.17693	0.0257	0.02373	4.63E-01	1.01E-03	1.35E-07	1.44E-03	4.01E-02	1.14E-02	4.19E-03	3.72E-03	5.17E-01
1598	495511.06	3858701.99	0.09515	0.02357	0.05557	0.05791	0.18828	0.19118	0.0256	0.02357	4.57E-01	1.00E-03	1.33E-07	1.40E-03	4.06E-02	1.24E-02	4.19E-03	3.69E-03	5.12E-01
1599	495561.06	3858701.99	0.09348	0.02341	0.05483	0.05703	0.18471	0.20268	0.0256	0.02341	4.49E-01	9.96E-04	1.32E-07	1.38E-03	3.98E-02	1.31E-02	4.17E-03	3.67E-03	5.04E-01
1600	495611.06	3858701.99	0.09178	0.02324	0.05428	0.05656	0.17871	0.21727	0.0255	0.02324	4.40E-01	9.89E-04	1.30E-07	1.37E-03	3.85E-02	1.41E-02	4.16E-03	3.64E-03	4.96E-01
1601	495661.06	3858701.99	0.09085	0.0231	0.05356	0.05626	0.17276	0.23385	0.0254	0.0231	4.36E-01	9.83E-04	1.28E-07	1.36E-03	3.73E-02	1.51E-02	4.15E-03	3.62E-03	4.91E-01
1602	494311.06	3858751.99	0.12143	0.03539	0.07466	0.07332	0.2036	0.1033	0.0372	0.03539	5.83E-01	1.51E-03	1.79E-07	1.78E-03	4.39E-02	6.68E-03	6.07E-03	5.54E-03	6.37E-01
1603	494361.06	3858751.99	0.12537	0.03548	0.07456	0.08123	0.24877	0.10865	0.0406	0.03548	6.02E-01	1.51E-03	1.79E-07	1.97E-03	5.37E-02	7.03E-03	6.63E-03	5.56E-03	6.67E-01
1604	494411.06	3858751.99	0.12653	0.03542	0.07769	0.08106	0.27109	0.1114	0.0416	0.03542	6.07E-01	1.51E-03	1.86E-07	1.96E-03	5.85E-02	7.21E-03	6.80E-03	5.55E-03	6.78E-01
1605	494461.06	3858751.99	0.12649	0.03483	0.07731	0.08023	0.27554	0.11245	0.0409	0.03483	6.07E-01	1.48E-03	1.85E-07	1.94E-03	5.94E-02	7.28E-03	6.67E-03	5.46E-03	6.78E-01
1606	494511.06	3858751.99	0.12627	0.03287	0.0804	0.07992	0.28117	0.11577	0.0402	0.03287	6.06E-01	1.40E-03	1.93E-07	1.94E-03	6.06E-02	7.49E-03	6.57E-03	5.15E-03	6.79E-01
1607	494561.06	3858751.99	0.12599	0.03246	0.07106	0.07855	0.2775	0.12065	0.0386	0.03246	6.05E-01	1.38E-03	1.70E-07	1.90E-03	5.98E-02	7.81E-03	6.31E-03	5.08E-03	6.77E-01
1608	494611.06	3858751.99	0.12524	0.03211	0.07104	0.07772	0.26756	0.12333	0.0368	0.03211	6.01E-01	1.37E-03	1.70E-07	1.88E-03	5.77E-02	7.98E-03	6.01E-03	5.03E-03	6.71E-01
1609	494661.06	3858751.99	0.12437	0.03185	0.07117	0.07708	0.25743	0.12235	0.0356	0.03185	5.97E-01	1.36E-03	1.71E-07	1.87E-03	5.55E-02	7.92E-03	5.81E-03	4.99E-03	6.64E-01
1610	494711.06	3858751.99	0.12393	0.03136	0.07099	0.07535	0.25351	0.11839	0.0353	0.03136	5.95E-01	1.33E-03	1.70E-07	1.83E-03	5.47E-02	7.66E-03	5.76E-03	4.91E-03	6.61E-01
1611	494761.06	3858751.99	0.1233	0.03127	0.07049	0.0735	0.2558	0.12699	0.035	0.03127	5.92E-01	1.33E-03	1.69E-07	1.78E-03	5.52E-02	8.22E-03	5.71E-03	4.90E-03	6.59E-01
1612	494811.06	3858751.99	0.12231	0.03085	0.07033	0.06837	0.25693	0.13511	0.0346	0.03085	5.87E-01	1.31E-03	1.69E-07	1.66E-03	5.54E-02	8.74E-03	5.65E-03	4.83E-03	6.55E-01
1613	494861.06	3858751.99	0.12141	0.03047	0.06966	0.06714	0.24375	0.13131	0.0343	0.03047	5.83E-01	1.30E-03	1.67E-07	1.63E-03	5.26E-02	8.50E-03	5.60E-03	4.77E-03	6.47E-01
1614	494911.06	3858751.99	0.12036	0.03006	0.06786	0.06646	0.22465	0.12866	0.034	0.03006	5.78E-01	1.28E-03	1.63E-07	1.61E-03	4.85E-02	8.32E-03	5.55E-03	4.71E-03	6.38E-01
1615	494961.06	3858751.99	0.1196	0.02976	0.06637	0.0661	0.21964	0.12459	0.0331	0.02976	5.74E-01	1.27E-03	1.59E-07	1.60E-03	4.74E-02	8.06E-03	5.40E-03	4.66E-03	6.33E-01
1616	495011.06	3858751.99	0.11908	0.02955	0.0652	0.06625	0.21654	0.13113	0.0322	0.02955	5.71E-01	1.26E-03	1.56E-07	1.61E-03	4.67E-02	8.48E-03	5.25E-03	4.63E-03	6.30E-01
1617	495061.06	3858751.99	0.11703	0.02925	0.06373	0.06561	0.21126	0.13721	0.0297	0.02925	5.62E-01	1.24E-03	1.53E-07	1.59E-03	4.56E-02	8.88E-03	4.85E-03	4.58E-03	6.19E-01
1618	495111.06	3858751.99	0.11267	0.0278	0.06214	0.06442	0.20587	0.14311	0.0279	0.0278	5.41E-01	1.18E-03	1.49E-07	1.56E-03	4.44E-02	9.26E-03	4.56E-03	4.35E-03	5.97E-01
1619	495161.06	3858751.99	0.11025	0.02622	0.06103	0.06357	0.20072	0.14267	0.0272	0.02622	5.29E-01	1.12E-03	1.46E-07	1.54E-03	4.33E-02	9.23E-03	4.44E-03	4.11E-03	5.85E-01
1620	495211.06	3858751.99	0.10707	0.02605	0.05979	0.06258	0.19541	0.14602	0.0272	0.02605	5.14E-01	1.11E-03	1.43E-07	1.52E-03	4.21E-02	9.45E-03	4.44E-03	4.08E-03	5.68E-01
1621	495261.06	3858751.99	0.10628	0.02594	0.05909	0.06215	0.19322	0.15252	0.0272	0.02594	5.10E-01	1.10E-03	1.42E-07	1.51E-03	4.17E-02	9.87E-03	4.44E-03	4.06E-03	5.65E-01
1622	495311.06	3858751.99	0.10574	0.02583	0.05847	0.0618	0.19118	0.15974	0.0271	0.02583	5.07E-01	1.10E-03	1.40E-07	1.50E-03	4.12E-02	1.03E-02	4.42E-03	4.05E-03	5.62E-01
1623	495361.06	3858751.99	0.10466	0.02571	0.05795	0.06148	0.18812	0.16837	0.0265	0.02571	5.02E-01	1.09E-03	1.39E-07	1.49E-03	4.06E-02	1.09E-02	4.32E-03	4.03E-03	5.57E-01
1624	495411.06	3858751.99	0.10482	0.02543	0.05823	0.06128	0.1866	0.17798	0.026	0.02543	5.03E-01	1.08E-03	1.40E-07	1.48E-03	4.02E-02	1.15E-02	4.25E-03	3.98E-03	5.58E-01
1625	495461.06	3858751.99	0.10396	0.02485	0.05829	0.06108	0.18343	0.19067	0.026	0.02485	4.99E-01	1.06E-03	1.40E-07	1.48E-03	3.96E-02	1.23E-02	4.25E-03	3.89E-03	5.54E-01
1626	495511.06	3858751.99	0.10253	0.02424	0.05599	0.06088	0.18348	0.20165	0.0259	0.02424	4.92E-01	1.03E-03	1.34E-07	1.47E-03	3.96E-02	1.30E-02	4.23E-03	3.80E-03	5.48E-01
1627	495561.06	3858751.99	0.10087	0.02371	0.05554	0.06066	0.18469	0.21633	0.0259	0.02371	4.84E-01	1.01E-03	1.33E-07	1.47E-03	3.98E-02	1.40E-02	4.22E-03	3.71E-03	5.41E-01
1628	495611.06	3858751.99	0.09919	0.02353	0.05509	0.06045	0.1835	0.23116	0.0258	0.02353	4.76E-01	1.00E-03	1.32E-07	1.46E-03	3.96E-02	1.50E-02	4.21E-03	3.69E-03	5.34E-01
1629	495661.06	3858751.99	0.09787	0.02338	0.05467	0.06024	0.17846	0.25115	0.0257	0.02338	4.70E-01	9.95E-04	1.31E-07	1.46E-03	3.85E-02	1.63E-02	4.20E-03	3.66E-03	5.27E-01
1630	494311.06	3858801.99	0.12282	0.03574	0.07397	0.08237	0.20177	0.11566	0.0439	0.03574	5.89E-01	1.52E-03	1.77E-07	2.00E-03	4.35E-02	7.48E-03	7.16E-03	5.60E-03	6.45E-01
1631	494361.06	3858801.99	0.12567	0.03582	0.07866	0.08704	0.247	0.12006	0.0447	0.03582	6.03E-01	1.52E-03	1.89E-07	2.11E-03	5.33E-02	7.77E-03	7.29E-03	5.61E-03	6.69E-01
1632	494411.06	3858801.99	0.12621	0.03573	0.0766	0.08716	0.25858	0.12433	0.0446	0.03573	6.06E-01	1.52E-03	1.84E-07	2.11E-03	5.58E-02	8.04E-03	7.28E-03	5.60E-03	6.75E-01
1633	494461.06	3858801.99	0.12642	0.0356	0.07631	0.08754	0.26688	0.12435	0.0444	0.0356	6.07E-01	1.51E-03	1.83E-07	2.12E-03	5.76E-02	8.05E-03	7.25E-03	5.58E-03	6.78E-01
1634	494511.06	3858801.99	0.12627	0.03544	0.07646	0.08785	0.27361	0.12722	0.0441	0.03544	6.06E-01	1.51E-03	1.83E-07	2.13E-03	5.90E-02	8.23E-03	7.19E-03	5.55E-03	6.78E-01
1635	494561.06	3858801.99	0.12607	0.03525	0.07647	0.08689	0.27694	0.13054	0.0431	0.03525	6.05E-01	1.50E-03	1.83E-07	2.11E-03	5.97E-02	8.45E-03	7.03E-03	5.52E-03	6.78E-01
1636	494611.06	3858801.99	0.12569	0.03353	0.0753	0.08535	0.27806	0.13658	0.0417	0.03353	6.03E-01	1.43E-03	1.81E-07	2.07E-03	6.00E-02	8.84E-03	6.81E-03	5.25E-03	6.77E-01
1637	494661.06	3858801.99	0.12504	0.03315	0.07438	0.08306	0.27604	0.13693	0.04	0.03315	6.00E-01	1.41E-03	1.78E-07	2.01E-03	5.95E-02	8.86E-03	6.52E-03	5.19E-03	6.73E-01
1638	494711.06	3858801.99	0.12433	0.03268	0.07395	0.08046	0.27226	0.13948	0.038	0.03268	5.97E-01	1.39E-03	1.77E-07	1.95E-03	5.87E-02	9.02E-03	6.20E-03	5.12E-03	6.69E-01
1639	494761.06	3858801.99	0.12326	0.03217	0.0734	0.07933	0.26414	0.14637	0.0357	0.03217	5.92E-01	1.37E-03	1.76E-07	1.92E-03	5.70E-02	9.47E-03	5.83E-03	5.04E-03	6.62E-01
1640	494811.06	3858801.99	0.12218	0.03167	0.0723	0.07519	0.24788	0.14328	0.0352	0.03167	5.86E-01	1.35E-03	1.73E-07	1.82E-03	5.35E-02	9.27E-03	5.74E-03	4.96E-03	6.53E-01
1641	494861.06	3858801.99	0.12161	0.03138	0.07078	0.07275	0.23931	0.13862	0.0349	0.03138	5.84E-01	1.34E-03	1.70E-07	1.76E-03	5.16E-02	8.97E-03	5.69E-03	4.92E-03	6.48E-01
1642	494911.06	3858801.99	0.12068	0.03098	0.06889	0.07033	0.23879	0.14168	0.0346	0.03098	5.79E-01	1.32E-03	1.65E-07	1.70E-03	5.15E-02	9.17E-03	5.64E-03	4.85E-03	6.44E-01
1643	494961.06	3858801.99	0.11998	0.03066	0.06736	0.0684	0.23782	0.14659	0.0343	0.03066	5.76E-01	1.30E-03	1.62E-07	1.66E-03	5.13E-02	9.48E-03	5.59E-03	4.80E-03	6.40E-01
1644	495011.06	3858801.99	0.11921	0.03034	0.06538	0.06641	0.22545	0.1512	0.0339	0.03034	5.72E-01	1.29E-03	1.57E-07	1.61E-03	4.86E-02	9.78E-03	5.54E-03	4.75E-03	6.34E-01
1645	495061.06	3858801.99	0.11873	0.03012	0.0638	0.06491	0.21967	0.15403	0.033	0.03012	5.70E-01	1.28E-03	1.53E-07	1.57E-03	4.74E-02	9.97E-03	5.39E-03	4.72E-03	6.31E-01
1646	495111.06	3858801.99	0.11766	0.02972	0.06283	0.06262	0.21293	0.15611	0.0312	0.02972	5.65E-01	1.26E-03	1.51E-07	1.52E-03	4.59E-02	1.01E-02	5.09E-03	4.66E-03	6.24E-01
1647	495161.06	3858801.99	0.1163	0.02942	0.06185	0.06207	0.20861	0.15582	0.0294	0.02942	5.58E-01	1.25E-03	1.48E-07	1.50E-03	4.50E-02	1.01E-02	4.80E-03	4.61E-03	6.16E-01
1648	495211.06	3858801.99	0.11447	0.02797	0.06123	0.06132	0.20648	0.15903	0.0281	0.02797	5.49E-01	1.19E-03	1.47E-07	1.49E-03	4.45E-02	1.03E-02	4.59E-03	4.38E-03	6.07E-01
1649	495261.06	3858801.99	0.11371	0.02647	0.06078	0.06151	0.20561	0.16522	0.0273	0.02647	5.46E-01	1.13E-03	1.46E-07	1.49E-03	4.43E-02	1.07E-02	4.45E-03	4.15E-03	6.04E-01

1650	495311.06	3858801.99	0.1133	0.02629	0.06056	0.06179	0.20499	0.17377	0.0273	0.02629	5.44E-01	1.12E-03	1.45E-07	1.50E-03	4.42E-02	1.12E-02	4.45E-03	4.12E-03	6.02E-01
1651	495361.06	3858801.99	0.11228	0.02617	0.06041	0.06193	0.20495	0.18259	0.0273	0.02617	5.39E-01	1.11E-03	1.45E-07	1.50E-03	4.42E-02	1.18E-02	4.46E-03	4.10E-03	5.98E-01
1652	495411.06	3858801.99	0.11291	0.02609	0.06048	0.06242	0.20371	0.19053	0.0273	0.02609	5.42E-01	1.11E-03	1.45E-07	1.51E-03	4.39E-02	1.23E-02	4.46E-03	4.09E-03	6.01E-01
1653	495461.06	3858801.99	0.11172	0.02597	0.06025	0.06251	0.20105	0.20214	0.027	0.02597	5.36E-01	1.10E-03	1.44E-07	1.51E-03	4.34E-02	1.31E-02	4.41E-03	4.07E-03	5.96E-01
1654	495511.06	3858801.99	0.10991	0.02577	0.05989	0.06245	0.19741	0.2174	0.0268	0.02577	5.27E-01	1.10E-03	1.44E-07	1.51E-03	4.26E-02	1.41E-02	4.38E-03	4.04E-03	5.87E-01
1655	495561.06	3858801.99	0.10846	0.02515	0.05956	0.06246	0.19407	0.23546	0.0269	0.02515	5.20E-01	1.07E-03	1.43E-07	1.51E-03	4.19E-02	1.52E-02	4.39E-03	3.94E-03	5.81E-01
1656	495611.06	3858801.99	0.10621	0.02448	0.05909	0.06227	0.18937	0.25604	0.0266	0.02448	5.10E-01	1.04E-03	1.42E-07	1.51E-03	4.08E-02	1.66E-02	4.35E-03	3.83E-03	5.70E-01
1657	495661.06	3858801.99	0.10519	0.02394	0.05878	0.062	0.18621	0.28359	0.0267	0.02394	5.05E-01	1.02E-03	1.41E-07	1.50E-03	4.02E-02	1.83E-02	4.36E-03	3.75E-03	5.66E-01
1658	494311.06	3858851.99	0.12778	0.04053	0.08022	0.09588	0.25481	0.13882	0.0463	0.04053	6.13E-01	1.72E-03	1.92E-07	2.32E-03	5.50E-02	8.98E-03	7.56E-03	6.35E-03	6.82E-01
1659	494361.06	3858851.99	0.13094	0.04067	0.08108	0.09802	0.29786	0.14155	0.0481	0.04067	6.28E-01	1.73E-03	1.94E-07	2.37E-03	6.42E-02	9.16E-03	7.86E-03	6.37E-03	7.07E-01
1660	494411.06	3858851.99	0.12969	0.03828	0.08092	0.09537	0.30152	0.14188	0.0478	0.03828	6.22E-01	1.63E-03	1.94E-07	2.31E-03	6.50E-02	9.18E-03	7.79E-03	6.00E-03	7.02E-01
1661	494461.06	3858851.99	0.12897	0.03815	0.08084	0.09324	0.30325	0.1431	0.0472	0.03815	6.19E-01	1.62E-03	1.94E-07	2.26E-03	6.54E-02	9.26E-03	7.71E-03	5.98E-03	6.99E-01
1662	494511.06	3858851.99	0.12755	0.03794	0.08058	0.09099	0.3045	0.14311	0.0471	0.03794	6.12E-01	1.61E-03	1.93E-07	2.20E-03	6.57E-02	9.26E-03	7.68E-03	5.94E-03	6.93E-01
1663	494561.06	3858851.99	0.12603	0.03738	0.08026	0.09032	0.30538	0.14721	0.0462	0.03738	6.05E-01	1.59E-03	1.92E-07	2.19E-03	6.59E-02	9.52E-03	7.54E-03	5.86E-03	6.86E-01
1664	494611.06	3858851.99	0.12535	0.03655	0.07978	0.08906	0.30494	0.153	0.045	0.03655	6.02E-01	1.56E-03	1.91E-07	2.16E-03	6.58E-02	9.90E-03	7.34E-03	5.73E-03	6.83E-01
1665	494661.06	3858851.99	0.12478	0.03516	0.07807	0.08734	0.2804	0.15739	0.0435	0.03516	5.99E-01	1.50E-03	1.87E-07	2.12E-03	6.05E-02	1.02E-02	7.10E-03	5.51E-03	6.75E-01
1666	494711.06	3858851.99	0.12422	0.03362	0.07518	0.08538	0.26051	0.15732	0.0414	0.03362	5.96E-01	1.43E-03	1.80E-07	2.07E-03	5.62E-02	1.02E-02	6.76E-03	5.27E-03	6.67E-01
1667	494761.06	3858851.99	0.124	0.03308	0.07329	0.08421	0.2569	0.16115	0.0394	0.03308	5.95E-01	1.41E-03	1.76E-07	2.04E-03	5.54E-02	1.04E-02	6.42E-03	5.18E-03	6.66E-01
1668	494811.06	3858851.99	0.12382	0.03265	0.07243	0.08305	0.25404	0.16185	0.0374	0.03265	5.94E-01	1.39E-03	1.74E-07	2.01E-03	5.48E-02	1.05E-02	6.11E-03	5.11E-03	6.64E-01
1669	494861.06	3858851.99	0.1224	0.03237	0.07166	0.08021	0.2535	0.16908	0.0359	0.03237	5.87E-01	1.38E-03	1.72E-07	1.94E-03	5.47E-02	1.09E-02	5.85E-03	5.07E-03	6.57E-01
1670	494911.06	3858851.99	0.12096	0.03198	0.06994	0.0767	0.25028	0.16853	0.0351	0.03198	5.80E-01	1.36E-03	1.68E-07	1.86E-03	5.40E-02	1.09E-02	5.74E-03	5.01E-03	6.49E-01
1671	494961.06	3858851.99	0.12028	0.03164	0.06923	0.07489	0.24129	0.16791	0.0348	0.03164	5.77E-01	1.35E-03	1.66E-07	1.81E-03	5.20E-02	1.09E-02	5.69E-03	4.96E-03	6.44E-01
1672	495011.06	3858851.99	0.11972	0.03136	0.06846	0.07334	0.23355	0.16844	0.0345	0.03136	5.75E-01	1.33E-03	1.64E-07	1.78E-03	5.04E-02	1.09E-02	5.64E-03	4.91E-03	6.40E-01
1673	495061.06	3858851.99	0.11902	0.03103	0.06713	0.07156	0.22533	0.17373	0.0342	0.03103	5.71E-01	1.32E-03	1.61E-07	1.73E-03	4.86E-02	1.12E-02	5.58E-03	4.86E-03	6.35E-01
1674	495111.06	3858851.99	0.11765	0.03047	0.06527	0.06871	0.2156	0.16769	0.0336	0.03047	5.65E-01	1.30E-03	1.57E-07	1.66E-03	4.65E-02	1.08E-02	5.48E-03	4.77E-03	6.26E-01
1675	495161.06	3858851.99	0.11692	0.03017	0.064	0.067	0.21042	0.17116	0.0326	0.03017	5.61E-01	1.28E-03	1.53E-07	1.62E-03	4.54E-02	1.11E-02	5.32E-03	4.73E-03	6.21E-01
1676	495211.06	3858851.99	0.11703	0.03015	0.06339	0.06652	0.2125	0.17601	0.0319	0.03015	5.62E-01	1.28E-03	1.52E-07	1.61E-03	4.58E-02	1.14E-02	5.21E-03	4.72E-03	6.22E-01
1677	495261.06	3858851.99	0.11687	0.03004	0.06256	0.06565	0.21324	0.18069	0.0306	0.03004	5.61E-01	1.28E-03	1.50E-07	1.59E-03	4.60E-02	1.17E-02	4.99E-03	4.71E-03	6.22E-01
1678	495311.06	3858851.99	0.11688	0.02882	0.06185	0.065	0.21744	0.18768	0.0297	0.02882	5.61E-01	1.23E-03	1.48E-07	1.57E-03	4.69E-02	1.21E-02	4.85E-03	4.51E-03	6.23E-01
1679	495361.06	3858851.99	0.11677	0.02729	0.06104	0.06418	0.21898	0.19803	0.0298	0.02729	5.60E-01	1.16E-03	1.46E-07	1.55E-03	4.72E-02	1.28E-02	4.86E-03	4.28E-03	6.24E-01
1680	495411.06	3858851.99	0.11666	0.02654	0.06022	0.06335	0.22021	0.2093	0.0293	0.02654	5.60E-01	1.13E-03	1.44E-07	1.53E-03	4.75E-02	1.35E-02	4.78E-03	4.16E-03	6.24E-01
1681	495461.06	3858851.99	0.11659	0.02643	0.05976	0.06259	0.22213	0.22134	0.0287	0.02643	5.60E-01	1.12E-03	1.43E-07	1.52E-03	4.79E-02	1.43E-02	4.68E-03	4.14E-03	6.25E-01
1682	495511.06	3858851.99	0.11662	0.02624	0.05894	0.06123	0.21404	0.23438	0.0279	0.02624	5.60E-01	1.12E-03	1.41E-07	1.48E-03	4.62E-02	1.52E-02	4.55E-03	4.11E-03	6.24E-01
1683	495561.06	3858851.99	0.11485	0.02613	0.05844	0.05996	0.20894	0.25624	0.0273	0.02613	5.51E-01	1.11E-03	1.40E-07	1.45E-03	4.51E-02	1.66E-02	4.46E-03	4.09E-03	6.16E-01
1684	495611.06	3858851.99	0.11236	0.0259	0.05772	0.05945	0.20601	0.27912	0.0273	0.0259	5.39E-01	1.10E-03	1.38E-07	1.44E-03	4.44E-02	1.81E-02	4.46E-03	4.06E-03	6.05E-01
1685	495661.06	3858851.99	0.1118	0.02537	0.05728	0.05964	0.20232	0.31863	0.0273	0.02537	5.37E-01	1.08E-03	1.37E-07	1.44E-03	4.36E-02	2.06E-02	4.46E-03	3.97E-03	6.04E-01
1686	494311.06	3858901.99	0.13358	0.04202	0.08266	0.10257	0.27978	0.15047	0.0499	0.04202	6.41E-01	1.79E-03	1.98E-07	2.48E-03	6.03E-02	9.74E-03	8.14E-03	6.58E-03	7.17E-01
1687	494361.06	3858901.99	0.13543	0.04277	0.08312	0.10611	0.29842	0.15822	0.0501	0.04277	6.50E-01	1.82E-03	1.99E-07	2.57E-03	6.44E-02	1.02E-02	8.18E-03	6.70E-03	7.30E-01
1688	494411.06	3858901.99	0.1343	0.0428	0.08175	0.10608	0.30637	0.16088	0.0499	0.0428	6.44E-01	1.82E-03	1.96E-07	2.57E-03	6.61E-02	1.04E-02	8.15E-03	6.70E-03	7.27E-01
1689	494461.06	3858901.99	0.13288	0.04247	0.08343	0.10465	0.31344	0.15788	0.05	0.04247	6.38E-01	1.81E-03	2.00E-07	2.54E-03	6.76E-02	1.02E-02	8.16E-03	6.65E-03	7.21E-01
1690	494511.06	3858901.99	0.13141	0.03995	0.08294	0.10225	0.30045	0.16133	0.0497	0.03995	6.31E-01	1.70E-03	1.99E-07	2.48E-03	6.48E-02	1.04E-02	8.11E-03	6.26E-03	7.12E-01
1691	494561.06	3858901.99	0.12901	0.03871	0.08218	0.09843	0.29569	0.1707	0.0483	0.03871	6.19E-01	1.65E-03	1.97E-07	2.38E-03	6.38E-02	1.10E-02	7.89E-03	6.06E-03	7.00E-01
1692	494611.06	3858901.99	0.12608	0.03725	0.08118	0.09409	0.29751	0.1748	0.0474	0.03725	6.05E-01	1.58E-03	1.95E-07	2.28E-03	6.42E-02	1.13E-02	7.74E-03	5.84E-03	6.86E-01
1693	494661.06	3858901.99	0.1244	0.0366	0.08042	0.09276	0.29911	0.18372	0.0463	0.0366	5.97E-01	1.56E-03	1.93E-07	2.25E-03	6.45E-02	1.19E-02	7.56E-03	5.73E-03	6.79E-01
1694	494711.06	3858901.99	0.12392	0.03524	0.07845	0.09139	0.30025	0.1873	0.0447	0.03524	5.95E-01	1.50E-03	1.88E-07	2.21E-03	6.48E-02	1.21E-02	7.30E-03	5.52E-03	6.77E-01
1695	494761.06	3858901.99	0.12369	0.03413	0.07582	0.09007	0.27704	0.19075	0.0427	0.03413	5.94E-01	1.45E-03	1.82E-07	2.18E-03	5.98E-02	1.23E-02	6.97E-03	5.35E-03	6.71E-01
1696	494811.06	3858901.99	0.12361	0.03372	0.07547	0.08885	0.25585	0.19772	0.0412	0.03372	5.93E-01	1.43E-03	1.81E-07	2.15E-03	5.52E-02	1.28E-02	6.72E-03	5.28E-03	6.66E-01
1697	494861.06	3858901.99	0.12356	0.03343	0.07448	0.08768	0.24409	0.20582	0.0398	0.03343	5.93E-01	1.42E-03	1.79E-07	2.12E-03	5.26E-02	1.33E-02	6.50E-03	5.24E-03	6.64E-01
1698	494911.06	3858901.99	0.12334	0.03285	0.07136	0.08278	0.23962	0.19733	0.0376	0.03285	5.92E-01	1.40E-03	1.71E-07	2.01E-03	5.17E-02	1.28E-02	6.13E-03	5.15E-03	6.61E-01
1699	494961.06	3858901.99	0.12243	0.03254	0.06993	0.07971	0.23925	0.19305	0.0359	0.03254	5.88E-01	1.38E-03	1.68E-07	1.93E-03	5.16E-02	1.25E-02	5.87E-03	5.10E-03	6.56E-01
1700	495011.06	3858901.99	0.12006	0.03223	0.06855	0.07651	0.23864	0.19792	0.0351	0.03223	5.76E-01	1.37E-03	1.64E-07	1.85E-03	5.15E-02	1.28E-02	5.73E-03	5.05E-03	6.44E-01
1701	495061.06	3858901.99	0.11875	0.0318	0.06635	0.07436	0.23504	0.19502	0.0348	0.0318	5.70E-01	1.35E-03	1.59E-07	1.80E-03	5.07E-02	1.26E-02	5.68E-03	4.98E-03	6.37E-01
1702	495111.06	3858901.99	0.11742	0.03121	0.06317	0.0718	0.22032	0.18089	0.0344	0.03121	5.63E-01	1.33E-03	1.52E-07	1.74E-03	4.75E-02	1.17E-02	5.62E-03	4.89E-03	6.27E-01
1703	495161.06	3858901.99	0.11706	0.03101	0.06257	0.07095	0.21621	0.18879	0.0341	0.03101	5.62E-01	1.32E-03	1.50E-07	1.72E-03	4.66E-02	1.22E-02	5.57E-03	4.86E-03	6.24E-01
1704	495211.06	3858901.99	0.11738	0.03108	0.06338	0.07123	0.22087	0.1984	0.0338	0.03108	5.63E-01	1.32E-03	1.52E-07	1.73E-03	4.76E-02	1.28E-02	5.52E-03	4.87E-03	6.27E-01
1705	495261.06	3858901.99	0.11734	0.031	0.06231	0.07084	0.22029	0.20364	0.0331	0.031	5.63E-01	1.32E-03	1.49E-07	1.72E-03	4.75E-02	1.32E-02	5.41E-03	4.86E-03	6.27E-01
1706	495311.06	3858901.99	0.11718	0.03089	0.06203	0.07021	0.21864	0.21697	0.0324	0.03089	5.62E-01	1.31E-03	1.49E-07	1.70E-03	4.72E-02	1.40E-02	5.28E-03	4.84E-03	6.27E-01

1707	495361.06	3858901.99	0.11705	0.03079	0.06231	0.06961	0.22137	0.23155	0.0314	0.03079	5.62E-01	1.31E-03	1.49E-07	1.69E-03	4.77E-02	1.50E-02	5.12E-03	4.82E-03	6.28E-01
1708	495411.06	3858901.99	0.11711	0.02961	0.06265	0.06932	0.22448	0.23532	0.03	0.02961	5.62E-01	1.26E-03	1.50E-07	1.68E-03	4.84E-02	1.52E-02	4.90E-03	4.64E-03	6.29E-01
1709	495461.06	3858901.99	0.11686	0.02795	0.06283	0.06844	0.22693	0.24261	0.03	0.02795	5.61E-01	1.19E-03	1.51E-07	1.66E-03	4.89E-02	1.57E-02	4.90E-03	4.38E-03	6.29E-01
1710	495511.06	3858901.99	0.11644	0.02672	0.06255	0.06723	0.22894	0.25994	0.0296	0.02672	5.59E-01	1.14E-03	1.50E-07	1.63E-03	4.94E-02	1.68E-02	4.83E-03	4.19E-03	6.28E-01
1711	495561.06	3858901.99	0.1161	0.02658	0.06191	0.06617	0.23107	0.28343	0.0288	0.02658	5.57E-01	1.13E-03	1.48E-07	1.60E-03	4.98E-02	1.83E-02	4.71E-03	4.16E-03	6.29E-01
1712	495611.06	3858901.99	0.11561	0.02642	0.06093	0.06483	0.22997	0.31617	0.0282	0.02642	5.55E-01	1.12E-03	1.46E-07	1.57E-03	4.96E-02	2.05E-02	4.60E-03	4.14E-03	6.28E-01
1713	495661.06	3858901.99	0.11559	0.02631	0.06099	0.06428	0.23314	0.36674	0.0287	0.02631	5.55E-01	1.12E-03	1.46E-07	1.56E-03	5.03E-02	2.37E-02	4.69E-03	4.12E-03	6.32E-01
1714	494311.06	3858951.99	0.14199	0.04299	0.08342	0.10983	0.33878	0.14843	0.0548	0.04299	6.81E-01	1.83E-03	2.00E-07	2.66E-03	7.31E-02	9.60E-03	8.94E-03	6.73E-03	7.71E-01
1715	494361.06	3858951.99	0.14148	0.04382	0.08373	0.10842	0.33817	0.15629	0.0537	0.04382	6.79E-01	1.86E-03	2.01E-07	2.63E-03	7.29E-02	1.01E-02	8.76E-03	6.86E-03	7.68E-01
1716	494411.06	3858951.99	0.1393	0.04414	0.08353	0.10691	0.32487	0.16445	0.0529	0.04414	6.68E-01	1.88E-03	2.00E-07	2.59E-03	7.01E-02	1.06E-02	8.64E-03	6.91E-03	7.55E-01
1717	494461.06	3858951.99	0.1379	0.04433	0.08482	0.10819	0.3255	0.18437	0.0524	0.04433	6.62E-01	1.89E-03	2.03E-07	2.62E-03	7.02E-02	1.19E-02	8.55E-03	6.94E-03	7.50E-01
1718	494511.06	3858951.99	0.13597	0.04411	0.08335	0.10838	0.31772	0.20578	0.0511	0.04411	6.53E-01	1.88E-03	2.00E-07	2.63E-03	6.85E-02	1.33E-02	8.34E-03	6.91E-03	7.40E-01
1719	494561.06	3858951.99	0.13352	0.04283	0.08284	0.10761	0.31494	0.20419	0.0505	0.04283	6.41E-01	1.82E-03	1.99E-07	2.61E-03	6.79E-02	1.32E-02	8.24E-03	6.71E-03	7.28E-01
1720	494611.06	3858951.99	0.13041	0.03954	0.08223	0.10348	0.31049	0.21302	0.0495	0.03954	6.26E-01	1.68E-03	1.97E-07	2.51E-03	6.70E-02	1.38E-02	8.09E-03	6.19E-03	7.13E-01
1721	494661.06	3858951.99	0.12738	0.03768	0.08083	0.09949	0.29538	0.22874	0.0484	0.03768	6.11E-01	1.60E-03	1.94E-07	2.41E-03	6.37E-02	1.48E-02	7.90E-03	5.90E-03	6.96E-01
1722	494711.06	3858951.99	0.12353	0.0359	0.07823	0.098	0.28886	0.23389	0.047	0.0359	5.93E-01	1.53E-03	1.88E-07	2.37E-03	6.23E-02	1.51E-02	7.68E-03	5.62E-03	6.76E-01
1723	494761.06	3858951.99	0.12319	0.03532	0.07713	0.09657	0.28961	0.23033	0.0457	0.03532	5.91E-01	1.50E-03	1.85E-07	2.34E-03	6.25E-02	1.49E-02	7.46E-03	5.53E-03	6.74E-01
1724	494811.06	3858951.99	0.12317	0.03511	0.07618	0.09519	0.2869	0.23463	0.0445	0.03511	5.91E-01	1.49E-03	1.83E-07	2.31E-03	6.19E-02	1.52E-02	7.27E-03	5.50E-03	6.74E-01
1725	494861.06	3858951.99	0.12314	0.03452	0.07522	0.09387	0.28362	0.24521	0.0433	0.03452	5.91E-01	1.47E-03	1.80E-07	2.27E-03	6.12E-02	1.59E-02	7.06E-03	5.41E-03	6.73E-01
1726	494911.06	3858951.99	0.12303	0.03406	0.07415	0.09149	0.27428	0.23107	0.0415	0.03406	5.90E-01	1.45E-03	1.78E-07	2.22E-03	5.92E-02	1.50E-02	6.78E-03	5.34E-03	6.70E-01
1727	494961.06	3858951.99	0.12304	0.0338	0.07249	0.08965	0.25944	0.25118	0.0403	0.0338	5.90E-01	1.44E-03	1.74E-07	2.17E-03	5.60E-02	1.63E-02	6.58E-03	5.29E-03	6.68E-01
1728	495011.06	3858951.99	0.12279	0.03309	0.06925	0.08319	0.22511	0.23152	0.0378	0.03309	5.89E-01	1.41E-03	1.66E-07	2.02E-03	4.86E-02	1.50E-02	6.17E-03	5.18E-03	6.57E-01
1729	495061.06	3858951.99	0.1202	0.03246	0.06853	0.0769	0.21951	0.22233	0.0353	0.03246	5.77E-01	1.38E-03	1.64E-07	1.86E-03	4.73E-02	1.44E-02	5.76E-03	5.08E-03	6.42E-01
1730	495111.06	3858951.99	0.11715	0.03197	0.0681	0.07185	0.216	0.2108	0.035	0.03197	5.62E-01	1.36E-03	1.63E-07	1.74E-03	4.66E-02	1.36E-02	5.71E-03	5.01E-03	6.26E-01
1731	495161.06	3858951.99	0.11831	0.03213	0.06856	0.07319	0.22481	0.22546	0.0347	0.03213	5.68E-01	1.37E-03	1.64E-07	1.77E-03	4.85E-02	1.46E-02	5.67E-03	5.03E-03	6.35E-01
1732	495211.06	3858951.99	0.1184	0.03206	0.06866	0.07257	0.22911	0.24656	0.0345	0.03206	5.68E-01	1.36E-03	1.65E-07	1.76E-03	4.94E-02	1.60E-02	5.63E-03	5.02E-03	6.37E-01
1733	495261.06	3858951.99	0.11842	0.03199	0.06801	0.07268	0.23303	0.24039	0.0342	0.03199	5.68E-01	1.36E-03	1.63E-07	1.76E-03	5.03E-02	1.56E-02	5.58E-03	5.01E-03	6.38E-01
1734	495311.06	3858951.99	0.11715	0.03174	0.06719	0.07189	0.23295	0.25261	0.0339	0.03174	5.62E-01	1.35E-03	1.61E-07	1.74E-03	5.02E-02	1.63E-02	5.53E-03	4.97E-03	6.32E-01
1735	495361.06	3858951.99	0.11716	0.03169	0.06657	0.07199	0.23686	0.27294	0.0335	0.03169	5.62E-01	1.35E-03	1.60E-07	1.74E-03	5.11E-02	1.77E-02	5.47E-03	4.96E-03	6.35E-01
1736	495411.06	3858951.99	0.11737	0.03169	0.06598	0.0722	0.23923	0.27902	0.0329	0.03169	5.63E-01	1.35E-03	1.58E-07	1.75E-03	5.16E-02	1.81E-02	5.37E-03	4.96E-03	6.36E-01
1737	495461.06	3858951.99	0.11708	0.03156	0.06529	0.07182	0.23674	0.28636	0.0321	0.03156	5.62E-01	1.34E-03	1.57E-07	1.74E-03	5.11E-02	1.85E-02	5.24E-03	4.94E-03	6.35E-01
1738	495511.06	3858951.99	0.11706	0.03024	0.06468	0.0717	0.23621	0.30572	0.0304	0.03024	5.62E-01	1.29E-03	1.55E-07	1.74E-03	5.09E-02	1.98E-02	4.97E-03	4.74E-03	6.36E-01
1739	495561.06	3858951.99	0.11638	0.02822	0.06382	0.07017	0.22524	0.32827	0.03	0.02822	5.58E-01	1.20E-03	1.53E-07	1.70E-03	4.86E-02	2.12E-02	4.90E-03	4.42E-03	6.32E-01
1740	495611.06	3858951.99	0.11598	0.02687	0.06308	0.06922	0.21852	0.37033	0.0298	0.02687	5.57E-01	1.14E-03	1.51E-07	1.68E-03	4.71E-02	2.40E-02	4.86E-03	4.21E-03	6.31E-01
1741	495661.06	3858951.99	0.11598	0.02677	0.0625	0.069	0.2191	0.4356	0.0296	0.02677	5.57E-01	1.14E-03	1.50E-07	1.67E-03	4.73E-02	2.82E-02	4.83E-03	4.19E-03	6.35E-01
1742	494311.06	3859001.99	0.14807	0.04353	0.09252	0.11573	0.35017	0.17288	0.058	0.04353	7.11E-01	1.85E-03	2.22E-07	2.80E-03	7.55E-02	1.12E-02	9.47E-03	6.82E-03	8.05E-01
1743	494361.06	3859001.99	0.14646	0.04403	0.09104	0.11447	0.35975	0.17019	0.0574	0.04403	7.03E-01	1.87E-03	2.18E-07	2.77E-03	7.76E-02	1.10E-02	9.36E-03	6.90E-03	7.99E-01
1744	494411.06	3859001.99	0.14456	0.04476	0.09503	0.11315	0.37256	0.16838	0.0567	0.04476	6.94E-01	1.90E-03	2.28E-07	2.74E-03	8.04E-02	1.09E-02	9.26E-03	7.01E-03	7.92E-01
1745	494461.06	3859001.99	0.1427	0.04514	0.09379	0.1118	0.38159	0.18435	0.0547	0.04514	6.85E-01	1.92E-03	2.25E-07	2.71E-03	8.23E-02	1.19E-02	8.93E-03	7.07E-03	7.86E-01
1746	494511.06	3859001.99	0.14086	0.04552	0.0925	0.11044	0.36759	0.20766	0.0545	0.04552	6.76E-01	1.94E-03	2.22E-07	2.68E-03	7.93E-02	1.34E-02	8.89E-03	7.13E-03	7.75E-01
1747	494561.06	3859001.99	0.13807	0.04494	0.08995	0.10899	0.34375	0.22638	0.0532	0.04494	6.63E-01	1.91E-03	2.16E-07	2.64E-03	7.41E-02	1.46E-02	8.68E-03	7.04E-03	7.58E-01
1748	494611.06	3859001.99	0.13534	0.04438	0.08759	0.10755	0.32729	0.24661	0.0516	0.04438	6.49E-01	1.89E-03	2.10E-07	2.61E-03	7.06E-02	1.60E-02	8.41E-03	6.95E-03	7.42E-01
1749	494661.06	3859001.99	0.13215	0.04193	0.08488	0.10608	0.30904	0.26606	0.0499	0.04193	6.34E-01	1.78E-03	2.04E-07	2.57E-03	6.67E-02	1.72E-02	8.15E-03	6.57E-03	7.24E-01
1750	494711.06	3859001.99	0.1284	0.0384	0.08263	0.10294	0.29368	0.29428	0.0485	0.0384	6.16E-01	1.63E-03	1.98E-07	2.49E-03	6.33E-02	1.90E-02	7.91E-03	6.02E-03	7.05E-01
1751	494761.06	3859001.99	0.12565	0.0363	0.08086	0.09895	0.28408	0.29864	0.0479	0.0363	6.03E-01	1.54E-03	1.94E-07	2.40E-03	6.13E-02	1.93E-02	7.82E-03	5.69E-03	6.90E-01
1752	494811.06	3859001.99	0.12362	0.03605	0.07968	0.09838	0.28599	0.31247	0.0472	0.03605	5.93E-01	1.53E-03	1.91E-07	2.38E-03	6.17E-02	2.02E-02	7.70E-03	5.65E-03	6.81E-01
1753	494861.06	3859001.99	0.12249	0.03562	0.07756	0.09723	0.28202	0.31245	0.046	0.03562	5.88E-01	1.52E-03	1.86E-07	2.36E-03	6.08E-02	2.02E-02	7.52E-03	5.58E-03	6.75E-01
1754	494911.06	3859001.99	0.12242	0.03518	0.07533	0.09587	0.27715	0.30645	0.0447	0.03518	5.87E-01	1.50E-03	1.81E-07	2.32E-03	5.98E-02	1.98E-02	7.29E-03	5.51E-03	6.73E-01
1755	494961.06	3859001.99	0.12236	0.03473	0.07302	0.09439	0.27119	0.34123	0.0432	0.03473	5.87E-01	1.48E-03	1.75E-07	2.29E-03	5.85E-02	2.21E-02	7.05E-03	5.44E-03	6.73E-01
1756	495011.06	3859001.99	0.12192	0.03358	0.06853	0.08489	0.23463	0.29519	0.0398	0.03358	5.85E-01	1.43E-03	1.64E-07	2.06E-03	5.06E-02	1.91E-02	6.49E-03	5.26E-03	6.60E-01
1757	495061.06	3859001.99	0.12196	0.03333	0.06714	0.08318	0.23442	0.27435	0.0386	0.03333	5.85E-01	1.42E-03	1.61E-07	2.02E-03	5.06E-02	1.78E-02	6.30E-03	5.22E-03	6.58E-01
1758	495111.06	3859001.99	0.12185	0.03285	0.06591	0.07887	0.21134	0.26659	0.0366	0.03285	5.85E-01	1.40E-03	1.58E-07	1.91E-03	4.56E-02	1.72E-02	5.98E-03	5.15E-03	6.52E-01
1759	495161.06	3859001.99	0.12218	0.03315	0.06549	0.08218	0.22518	0.32045	0.0369	0.03315	5.86E-01	1.41E-03	1.57E-07	1.99E-03	4.86E-02	2.07E-02	6.02E-03	5.19E-03	6.60E-01
1760	495211.06	3859001.99	0.12225	0.03301	0.06472	0.08071	0.21763	0.3237	0.0358	0.03301	5.87E-01	1.40E-03	1.55E-07	1.96E-03	4.69E-02	2.09E-02	5.85E-03	5.17E-03	6.59E-01
1761	495261.06	3859001.99	0.12236	0.03297	0.06429	0.07959	0.22264	0.34113	0.035	0.03297	5.87E-01	1.40E-03	1.54E-07	1.93E-03	4.80E-02	2.21E-02	5.71E-03	5.16E-03	6.61E-01
1762	495311.06	3859001.99	0.1224	0.03281	0.06351	0.07683	0.22582	0.34744	0.0345	0.03281	5.87E-01	1.40E-03	1.52E-07	1.86E-03	4.87E-02	2.25E-02	5.63E-03	5.14E-03	6.62E-01
1763	495361.06	3859001.99	0.12248	0.03275	0.06323	0.07434	0.23054	0.35399	0.0343	0.03275	5.88E-01	1.39E-03	1.52E-07	1.80E-03	4.97E-02	2.29E-02	5.59E-03	5.13E-03	6.64E-01

1764	495411.06	3859001.99	0.12253	0.03265	0.06271	0.07342	0.23417	0.36276	0.034	0.03265	5.88E-01	1.39E-03	1.50E-07	1.78E-03	5.05E-02	2.35E-02	5.55E-03	5.11E-03	6.66E-01
1765	495461.06	3859001.99	0.12258	0.03251	0.06232	0.07281	0.23796	0.38075	0.0337	0.03251	5.88E-01	1.38E-03	1.49E-07	1.76E-03	5.13E-02	2.46E-02	5.50E-03	5.09E-03	6.68E-01
1766	495511.06	3859001.99	0.12138	0.03224	0.06083	0.07126	0.23758	0.3941	0.0332	0.03224	5.82E-01	1.37E-03	1.46E-07	1.73E-03	5.12E-02	2.55E-02	5.41E-03	5.05E-03	6.63E-01
1767	495561.06	3859001.99	0.12018	0.03197	0.06086	0.07097	0.23891	0.42499	0.0323	0.03197	5.77E-01	1.36E-03	1.46E-07	1.72E-03	5.15E-02	2.75E-02	5.27E-03	5.01E-03	6.59E-01
1768	495611.06	3859001.99	0.11878	0.0302	0.06089	0.07055	0.23964	0.4549	0.0304	0.0302	5.70E-01	1.28E-03	1.46E-07	1.71E-03	5.17E-02	2.94E-02	4.96E-03	4.73E-03	6.54E-01
1769	495661.06	3859001.99	0.11994	0.02884	0.06093	0.07128	0.24521	0.55198	0.0307	0.02884	5.76E-01	1.23E-03	1.46E-07	1.73E-03	5.29E-02	3.57E-02	5.01E-03	4.52E-03	6.68E-01
1770	494311.06	3859051.99	0.15334	0.04404	0.09841	0.1195	0.35788	0.16642	0.0587	0.04404	7.36E-01	1.87E-03	2.36E-07	2.90E-03	7.72E-02	1.08E-02	9.59E-03	6.90E-03	8.31E-01
1771	494361.06	3859051.99	0.1516	0.04479	0.10289	0.11862	0.36176	0.19367	0.0591	0.04479	7.28E-01	1.91E-03	2.47E-07	2.87E-03	7.80E-02	1.25E-02	9.64E-03	7.02E-03	8.25E-01
1772	494411.06	3859051.99	0.14955	0.04505	0.1017	0.11762	0.36048	0.20648	0.0591	0.04505	7.18E-01	1.92E-03	2.44E-07	2.85E-03	7.77E-02	1.34E-02	9.64E-03	7.06E-03	8.16E-01
1773	494461.06	3859051.99	0.1474	0.04525	0.10024	0.11656	0.35747	0.23339	0.0583	0.04525	7.07E-01	1.93E-03	2.40E-07	2.82E-03	7.71E-02	1.51E-02	9.51E-03	7.09E-03	8.07E-01
1774	494511.06	3859051.99	0.14501	0.04535	0.09834	0.11543	0.35212	0.26451	0.0572	0.04535	6.96E-01	1.93E-03	2.36E-07	2.80E-03	7.59E-02	1.71E-02	9.34E-03	7.10E-03	7.96E-01
1775	494561.06	3859051.99	0.14277	0.04552	0.09668	0.11426	0.35704	0.26943	0.0552	0.04552	6.85E-01	1.94E-03	2.32E-07	2.77E-03	7.70E-02	1.74E-02	9.01E-03	7.13E-03	7.86E-01
1776	494611.06	3859051.99	0.14015	0.04554	0.0944	0.11302	0.35887	0.28568	0.0546	0.04554	6.73E-01	1.94E-03	2.26E-07	2.74E-03	7.74E-02	1.85E-02	8.92E-03	7.13E-03	7.75E-01
1777	494661.06	3859051.99	0.13734	0.04503	0.09014	0.11175	0.35345	0.31442	0.0533	0.04503	6.59E-01	1.92E-03	2.16E-07	2.71E-03	7.62E-02	2.03E-02	8.70E-03	7.05E-03	7.62E-01
1778	494711.06	3859051.99	0.13457	0.04444	0.0867	0.11044	0.3307	0.35945	0.0517	0.04444	6.46E-01	1.89E-03	2.08E-07	2.68E-03	7.13E-02	2.33E-02	8.43E-03	6.96E-03	7.46E-01
1779	494761.06	3859051.99	0.13164	0.04108	0.08522	0.10835	0.30908	0.40723	0.0499	0.04108	6.32E-01	1.75E-03	2.04E-07	2.62E-03	6.67E-02	2.63E-02	8.15E-03	6.44E-03	7.31E-01
1780	494811.06	3859051.99	0.12924	0.03817	0.08406	0.10483	0.29786	0.46745	0.0483	0.03817	6.20E-01	1.62E-03	2.02E-07	2.54E-03	6.42E-02	3.02E-02	7.88E-03	5.98E-03	7.21E-01
1781	494861.06	3859051.99	0.12677	0.03677	0.08295	0.10112	0.28431	0.46157	0.0481	0.03677	6.08E-01	1.56E-03	1.99E-07	2.45E-03	6.13E-02	2.99E-02	7.85E-03	5.76E-03	7.06E-01
1782	494911.06	3859051.99	0.12336	0.03621	0.08057	0.09627	0.2747	0.49525	0.0469	0.03621	5.92E-01	1.54E-03	1.93E-07	2.33E-03	5.92E-02	3.20E-02	7.65E-03	5.67E-03	6.89E-01
1783	494961.06	3859051.99	0.12128	0.03541	0.07593	0.08998	0.25856	0.49458	0.0449	0.03541	5.82E-01	1.51E-03	1.82E-07	2.18E-03	5.58E-02	3.20E-02	7.33E-03	5.55E-03	6.75E-01
1784	495011.06	3859051.99	0.12118	0.03476	0.07452	0.08842	0.24294	0.47045	0.0432	0.03476	5.82E-01	1.48E-03	1.79E-07	2.14E-03	5.24E-02	3.04E-02	7.06E-03	5.45E-03	6.70E-01
1785	495061.06	3859051.99	0.1212	0.0344	0.07347	0.08767	0.23279	0.46392	0.0419	0.0344	5.82E-01	1.46E-03	1.76E-07	2.12E-03	5.02E-02	3.00E-02	6.83E-03	5.39E-03	6.67E-01
1786	495111.06	3859051.99	0.1213	0.03416	0.07248	0.08764	0.23464	0.45403	0.0408	0.03416	5.82E-01	1.45E-03	1.74E-07	2.12E-03	5.06E-02	2.94E-02	6.66E-03	5.35E-03	6.67E-01
1787	495161.06	3859051.99	0.12158	0.03417	0.07215	0.08929	0.25461	0.47252	0.0407	0.03417	5.83E-01	1.45E-03	1.73E-07	2.16E-03	5.49E-02	3.06E-02	6.64E-03	5.35E-03	6.74E-01
1788	495211.06	3859051.99	0.12163	0.03395	0.07104	0.08865	0.25366	0.46769	0.0394	0.03395	5.84E-01	1.44E-03	1.70E-07	2.15E-03	5.47E-02	3.03E-02	6.43E-03	5.32E-03	6.73E-01
1789	495261.06	3859051.99	0.12183	0.03378	0.07063	0.08896	0.26134	0.49711	0.0388	0.03378	5.85E-01	1.44E-03	1.69E-07	2.16E-03	5.64E-02	3.22E-02	6.34E-03	5.29E-03	6.78E-01
1790	495311.06	3859051.99	0.12191	0.03356	0.0695	0.08672	0.26066	0.50569	0.0377	0.03356	5.85E-01	1.43E-03	1.67E-07	2.10E-03	5.62E-02	3.27E-02	6.15E-03	5.26E-03	6.78E-01
1791	495361.06	3859051.99	0.12202	0.03336	0.06866	0.08472	0.25407	0.51603	0.0367	0.03336	5.86E-01	1.42E-03	1.65E-07	2.05E-03	5.48E-02	3.34E-02	5.99E-03	5.23E-03	6.78E-01
1792	495411.06	3859051.99	0.12216	0.03316	0.06801	0.0826	0.25031	0.5445	0.0359	0.03316	5.86E-01	1.41E-03	1.63E-07	2.00E-03	5.40E-02	3.52E-02	5.85E-03	5.19E-03	6.80E-01
1793	495461.06	3859051.99	0.12228	0.03296	0.06733	0.07972	0.24567	0.57495	0.035	0.03296	5.87E-01	1.40E-03	1.61E-07	1.93E-03	5.30E-02	3.72E-02	5.71E-03	5.16E-03	6.81E-01
1794	495511.06	3859051.99	0.12224	0.0327	0.06632	0.0763	0.22858	0.59011	0.034	0.0327	5.87E-01	1.39E-03	1.59E-07	1.85E-03	4.93E-02	3.82E-02	5.55E-03	5.12E-03	6.78E-01
1795	495561.06	3859051.99	0.12223	0.03245	0.06609	0.07464	0.23024	0.64004	0.0337	0.03245	5.87E-01	1.38E-03	1.59E-07	1.81E-03	4.97E-02	4.14E-02	5.51E-03	5.08E-03	6.81E-01
1796	495611.06	3859051.99	0.12223	0.0322	0.06509	0.07314	0.23199	0.68197	0.0334	0.0322	5.87E-01	1.37E-03	1.56E-07	1.77E-03	5.00E-02	4.41E-02	5.46E-03	5.04E-03	6.84E-01
1797	495661.06	3859051.99	0.12237	0.03201	0.06418	0.07318	0.23806	0.81643	0.0329	0.03201	5.87E-01	1.36E-03	1.54E-07	1.77E-03	5.13E-02	5.28E-02	5.37E-03	5.01E-03	6.95E-01
1798	494311.06	3859101.99	0.15847	0.04489	0.11174	0.12069	0.35498	0.18908	0.0585	0.04489	7.60E-01	1.91E-03	2.68E-07	2.92E-03	7.66E-02	1.22E-02	9.54E-03	7.03E-03	8.57E-01
1799	494361.06	3859101.99	0.1565	0.04515	0.11152	0.12029	0.35746	0.18996	0.0586	0.04515	7.51E-01	1.92E-03	2.67E-07	2.91E-03	7.71E-02	1.23E-02	9.57E-03	7.07E-03	8.48E-01
1800	494411.06	3859101.99	0.15467	0.04549	0.1103	0.1198	0.36003	0.21087	0.0588	0.04549	7.42E-01	1.94E-03	2.65E-07	2.90E-03	7.76E-02	1.36E-02	9.60E-03	7.13E-03	8.41E-01
1801	494461.06	3859101.99	0.15257	0.04563	0.10639	0.11879	0.35959	0.2057	0.0589	0.04563	7.32E-01	1.94E-03	2.55E-07	2.88E-03	7.76E-02	1.33E-02	9.61E-03	7.15E-03	8.30E-01
1802	494511.06	3859101.99	0.15013	0.04557	0.10238	0.11821	0.35582	0.23147	0.0589	0.04557	7.20E-01	1.94E-03	2.46E-07	2.86E-03	7.67E-02	1.50E-02	9.61E-03	7.14E-03	8.19E-01
1803	494561.06	3859101.99	0.14791	0.04567	0.10092	0.11759	0.35292	0.26407	0.0585	0.04567	7.10E-01	1.94E-03	2.42E-07	2.85E-03	7.61E-02	1.71E-02	9.55E-03	7.15E-03	8.10E-01
1804	494611.06	3859101.99	0.14511	0.0455	0.0985	0.11668	0.34551	0.31257	0.0567	0.0455	6.96E-01	1.94E-03	2.36E-07	2.83E-03	7.45E-02	2.02E-02	9.26E-03	7.13E-03	7.98E-01
1805	494661.06	3859101.99	0.14287	0.04563	0.09701	0.11576	0.3411	0.36608	0.0554	0.04563	6.86E-01	1.94E-03	2.33E-07	2.80E-03	7.36E-02	2.37E-02	9.05E-03	7.15E-03	7.90E-01
1806	494711.06	3859101.99	0.13965	0.04539	0.09412	0.11435	0.33042	0.46087	0.0545	0.04539	6.70E-01	1.93E-03	2.26E-07	2.77E-03	7.13E-02	2.98E-02	8.90E-03	7.11E-03	7.78E-01
1807	494761.06	3859101.99	0.13799	0.04543	0.09335	0.11373	0.33267	0.55612	0.0535	0.04543	6.62E-01	1.93E-03	2.24E-07	2.76E-03	7.17E-02	3.60E-02	8.74E-03	7.12E-03	7.76E-01
1808	494811.06	3859101.99	0.13543	0.04388	0.09115	0.11214	0.33424	0.67534	0.0522	0.04388	6.50E-01	1.87E-03	2.19E-07	2.72E-03	7.21E-02	4.37E-02	8.51E-03	6.87E-03	7.72E-01
1809	494861.06	3859101.99	0.13299	0.04076	0.08829	0.11004	0.32654	0.80513	0.0506	0.04076	6.38E-01	1.73E-03	2.12E-07	2.67E-03	7.04E-02	5.21E-02	8.25E-03	6.39E-03	7.67E-01
1810	494911.06	3859101.99	0.12974	0.03746	0.08428	0.10552	0.30113	0.84953	0.0484	0.03746	6.23E-01	1.59E-03	2.02E-07	2.56E-03	6.49E-02	5.50E-02	7.91E-03	5.87E-03	7.49E-01
1811	494961.06	3859101.99	0.12486	0.03646	0.07948	0.09925	0.27044	0.84898	0.0468	0.03646	5.99E-01	1.55E-03	1.91E-07	2.40E-03	5.83E-02	5.49E-02	7.64E-03	5.71E-03	7.18E-01
1812	495011.06	3859101.99	0.12048	0.03557	0.07408	0.09258	0.2558	0.8148	0.0448	0.03557	5.78E-01	1.51E-03	1.78E-07	2.24E-03	5.52E-02	5.27E-02	7.31E-03	5.57E-03	6.92E-01
1813	495061.06	3859101.99	0.12021	0.03553	0.07448	0.0905	0.26005	0.86605	0.0445	0.03553	5.77E-01	1.51E-03	1.79E-07	2.19E-03	5.61E-02	5.60E-02	7.27E-03	5.57E-03	6.94E-01
1814	495111.06	3859101.99	0.12033	0.03468	0.07343	0.08707	0.25255	0.90118	0.0437	0.03468	5.77E-01	1.48E-03	1.76E-07	2.11E-03	5.45E-02	5.83E-02	7.13E-03	5.43E-03	6.96E-01
1815	495161.06	3859101.99	0.12068	0.03455	0.07535	0.08593	0.25203	0.94403	0.0432	0.03455	5.79E-01	1.47E-03	1.81E-07	2.08E-03	5.44E-02	6.11E-02	7.05E-03	5.41E-03	7.00E-01
1816	495211.06	3859101.99	0.12079	0.03434	0.07439	0.08617	0.24906	0.9906	0.0422	0.03434	5.80E-01	1.46E-03	1.78E-07	2.09E-03	5.37E-02	6.41E-02	6.88E-03	5.38E-03	7.03E-01
1817	495261.06	3859101.99	0.12102	0.03416	0.07496	0.08736	0.25872	1.01304	0.0414	0.03416	5.81E-01	1.45E-03	1.80E-07	2.12E-03	5.58E-02	6.55E-02	6.76E-03	5.35E-03	7.07E-01
1818	495311.06	3859101.99	0.12126	0.03399	0.07246	0.08759	0.26298	1.04673	0.0404	0.03399	5.82E-01	1.45E-03	1.74E-07	2.12E-03	5.67E-02	6.77E-02	6.60E-03	5.32E-03	7.11E-01
1819	495361.06	3859101.99	0.12141	0.03379	0.07362	0.08924	0.27022	1.06215	0.0399	0.03379	5.83E-01	1.44E-03	1.77E-07	2.16E-03	5.83E-02	6.87E-02	6.51E-03	5.29E-03	7.14E-01
1820	495411.06	3859101.99	0.12158	0.0336	0.07293	0.08998	0.27485	1.07826	0.0391	0.0336	5.83E-01	1.43E-03	1.75E-07	2.18E-03	5.93E-02	6.98E-02	6.38E-03	5.26E-03	7.17E-01

1821	495461.06	3859101.99	0.12175	0.03339	0.07125	0.08969	0.27391	1.09457	0.038	0.03339	5.84E-01	1.42E-03	1.71E-07	2.17E-03	5.91E-02	7.08E-02	6.20E-03	5.23E-03	7.19E-01
1822	495511.06	3859101.99	0.12185	0.03317	0.07108	0.08652	0.27628	1.13655	0.0372	0.03317	5.85E-01	1.41E-03	1.70E-07	2.10E-03	5.96E-02	7.35E-02	6.07E-03	5.20E-03	7.22E-01
1823	495561.06	3859101.99	0.1218	0.03291	0.07063	0.08171	0.27607	1.17672	0.0361	0.03291	5.85E-01	1.40E-03	1.69E-07	1.98E-03	5.95E-02	7.61E-02	5.89E-03	5.16E-03	7.24E-01
1824	495611.06	3859101.99	0.12182	0.03267	0.06972	0.07773	0.26134	1.18449	0.0347	0.03267	5.85E-01	1.39E-03	1.67E-07	1.88E-03	5.64E-02	7.66E-02	5.66E-03	5.12E-03	7.21E-01
1825	495661.06	3859101.99	0.12195	0.03246	0.06912	0.07726	0.25614	1.30653	0.0338	0.03246	5.85E-01	1.38E-03	1.66E-07	1.87E-03	5.52E-02	8.45E-02	5.52E-03	5.08E-03	7.29E-01
1826	494311.06	3859151.99	0.16364	0.04551	0.11584	0.12938	0.33929	0.20164	0.0593	0.04551	7.85E-01	1.94E-03	2.78E-07	3.13E-03	7.32E-02	1.30E-02	9.69E-03	7.13E-03	8.79E-01
1827	494361.06	3859151.99	0.16181	0.04586	0.11296	0.12874	0.3451	0.21828	0.0593	0.04586	7.77E-01	1.95E-03	2.71E-07	3.12E-03	7.44E-02	1.41E-02	9.67E-03	7.18E-03	8.73E-01
1828	494411.06	3859151.99	0.15964	0.04587	0.10937	0.12539	0.34723	0.2376	0.0589	0.04587	7.66E-01	1.95E-03	2.62E-07	3.04E-03	7.49E-02	1.54E-02	9.62E-03	7.19E-03	8.64E-01
1829	494461.06	3859151.99	0.15749	0.04588	0.10591	0.12207	0.34847	0.24525	0.0586	0.04588	7.56E-01	1.95E-03	2.54E-07	2.96E-03	7.52E-02	1.59E-02	9.56E-03	7.19E-03	8.54E-01
1830	494511.06	3859151.99	0.15512	0.04573	0.10259	0.11891	0.34716	0.2746	0.0582	0.04573	7.44E-01	1.95E-03	2.46E-07	2.88E-03	7.49E-02	1.78E-02	9.50E-03	7.16E-03	8.44E-01
1831	494561.06	3859151.99	0.15312	0.04589	0.10193	0.1186	0.34808	0.311	0.0582	0.04589	7.35E-01	1.95E-03	2.44E-07	2.87E-03	7.51E-02	2.01E-02	9.51E-03	7.19E-03	8.37E-01
1832	494611.06	3859151.99	0.15068	0.04577	0.10023	0.1145	0.34486	0.36771	0.0582	0.04577	7.23E-01	1.95E-03	2.40E-07	2.77E-03	7.44E-02	2.38E-02	9.49E-03	7.17E-03	8.28E-01
1833	494661.06	3859151.99	0.14863	0.04591	0.09932	0.1122	0.34376	0.43274	0.0582	0.04591	7.13E-01	1.95E-03	2.38E-07	2.72E-03	7.41E-02	2.80E-02	9.50E-03	7.19E-03	8.22E-01
1834	494711.06	3859151.99	0.1467	0.04612	0.09855	0.11231	0.34273	0.53292	0.0567	0.04612	7.04E-01	1.96E-03	2.36E-07	2.72E-03	7.39E-02	3.45E-02	9.25E-03	7.22E-03	8.19E-01
1835	494761.06	3859151.99	0.14391	0.04591	0.0959	0.11121	0.33536	0.73191	0.0559	0.04591	6.91E-01	1.95E-03	2.30E-07	2.69E-03	7.23E-02	4.74E-02	9.12E-03	7.19E-03	8.17E-01
1836	494811.06	3859151.99	0.14128	0.04584	0.09177	0.11044	0.32876	1.20836	0.0544	0.04584	6.78E-01	1.95E-03	2.20E-07	2.68E-03	7.09E-02	7.82E-02	8.88E-03	7.18E-03	8.33E-01
1837	494861.06	3859151.99	0.13917	0.04587	0.08909	0.11029	0.32473	1.68184	0.0532	0.04587	6.68E-01	1.95E-03	2.14E-07	2.67E-03	7.00E-02	1.09E-01	8.68E-03	7.19E-03	8.53E-01
1838	494911.06	3859151.99	0.13593	0.04281	0.08418	0.10899	0.31416	1.88993	0.0516	0.04281	6.52E-01	1.82E-03	2.02E-07	2.64E-03	6.78E-02	1.22E-01	8.42E-03	6.71E-03	8.49E-01
1839	494961.06	3859151.99	0.1319	0.03861	0.07947	0.10427	0.29885	1.91776	0.0486	0.03861	6.33E-01	1.64E-03	1.91E-07	2.53E-03	6.45E-02	1.24E-01	7.94E-03	6.05E-03	8.28E-01
1840	495011.06	3859151.99	0.12673	0.0367	0.07715	0.0991	0.28346	1.99483	0.0469	0.0367	6.08E-01	1.56E-03	1.85E-07	2.40E-03	6.11E-02	1.29E-01	7.65E-03	5.75E-03	8.04E-01
1841	495061.06	3859151.99	0.12563	0.03659	0.07685	0.0997	0.27876	2.03064	0.0464	0.03659	6.03E-01	1.56E-03	1.84E-07	2.42E-03	6.01E-02	1.31E-01	7.58E-03	5.73E-03	8.00E-01
1842	495111.06	3859151.99	0.12413	0.03641	0.07647	0.09697	0.26719	2.06643	0.0459	0.03641	5.96E-01	1.55E-03	1.83E-07	2.35E-03	5.76E-02	1.34E-01	7.50E-03	5.70E-03	7.93E-01
1843	495161.06	3859151.99	0.12422	0.03653	0.07626	0.09576	0.26834	2.06994	0.0454	0.03653	5.96E-01	1.55E-03	1.83E-07	2.32E-03	5.79E-02	1.34E-01	7.42E-03	5.72E-03	7.93E-01
1844	495211.06	3859151.99	0.12288	0.03507	0.07595	0.09302	0.26075	2.19999	0.0445	0.03507	5.90E-01	1.49E-03	1.82E-07	2.25E-03	5.62E-02	1.42E-01	7.27E-03	5.49E-03	7.94E-01
1845	495261.06	3859151.99	0.12157	0.03463	0.07564	0.0903	0.25679	2.00445	0.0436	0.03463	5.83E-01	1.47E-03	1.81E-07	2.19E-03	5.54E-02	1.30E-01	7.12E-03	5.42E-03	7.74E-01
1846	495311.06	3859151.99	0.12045	0.03451	0.07533	0.08775	0.26066	2.00909	0.0428	0.03451	5.78E-01	1.47E-03	1.81E-07	2.13E-03	5.62E-02	1.30E-01	6.98E-03	5.41E-03	7.69E-01
1847	495361.06	3859151.99	0.12048	0.0343	0.07502	0.08508	0.26425	2.07294	0.0419	0.0343	5.78E-01	1.46E-03	1.80E-07	2.06E-03	5.70E-02	1.34E-01	6.84E-03	5.37E-03	7.74E-01
1848	495411.06	3859151.99	0.12082	0.03473	0.07472	0.08669	0.26769	1.95133	0.0413	0.03473	5.80E-01	1.48E-03	1.79E-07	2.10E-03	5.77E-02	1.26E-01	6.75E-03	5.44E-03	7.69E-01
1849	495461.06	3859151.99	0.12101	0.03456	0.07441	0.08761	0.27072	1.9679	0.0405	0.03456	5.81E-01	1.47E-03	1.78E-07	2.12E-03	5.84E-02	1.27E-01	6.62E-03	5.41E-03	7.71E-01
1850	495511.06	3859151.99	0.12106	0.03385	0.07409	0.08754	0.27335	1.96841	0.0395	0.03385	5.81E-01	1.44E-03	1.78E-07	2.12E-03	5.90E-02	1.27E-01	6.44E-03	5.30E-03	7.72E-01
1851	495561.06	3859151.99	0.12115	0.03338	0.07377	0.0878	0.27576	1.94427	0.0386	0.03338	5.81E-01	1.42E-03	1.77E-07	2.13E-03	5.95E-02	1.26E-01	6.29E-03	5.23E-03	7.71E-01
1852	495611.06	3859151.99	0.12125	0.03314	0.07345	0.08814	0.27785	1.90708	0.0377	0.03314	5.82E-01	1.41E-03	1.76E-07	2.14E-03	5.99E-02	1.23E-01	6.15E-03	5.19E-03	7.70E-01
1853	495661.06	3859151.99	0.12136	0.03291	0.07313	0.08464	0.27969	1.87563	0.0369	0.03291	5.82E-01	1.40E-03	1.75E-07	2.05E-03	6.03E-02	1.21E-01	6.02E-03	5.16E-03	7.68E-01
1854	494311.06	3859201.99	0.16337	0.0468	0.11868	0.14088	0.40997	0.25824	0.0618	0.0468	7.84E-01	1.99E-03	2.85E-07	3.41E-03	8.84E-02	1.67E-02	1.01E-02	7.33E-03	8.97E-01
1855	494361.06	3859201.99	0.16282	0.04645	0.11842	0.13876	0.38059	0.28373	0.0618	0.04645	7.81E-01	1.98E-03	2.84E-07	3.36E-03	8.21E-02	1.84E-02	1.01E-02	7.28E-03	8.90E-01
1856	494411.06	3859201.99	0.16226	0.0465	0.11477	0.13522	0.34921	0.31535	0.0618	0.0465	7.79E-01	1.98E-03	2.75E-07	3.28E-03	7.53E-02	2.04E-02	1.01E-02	7.28E-03	8.82E-01
1857	494461.06	3859201.99	0.16168	0.04632	0.11011	0.12998	0.32924	0.32687	0.0597	0.04632	7.76E-01	1.97E-03	2.64E-07	3.15E-03	7.10E-02	2.11E-02	9.75E-03	7.26E-03	8.76E-01
1858	494511.06	3859201.99	0.16062	0.0464	0.10684	0.12685	0.33301	0.3683	0.0595	0.0464	7.71E-01	1.97E-03	2.56E-07	3.07E-03	7.18E-02	2.38E-02	9.70E-03	7.27E-03	8.74E-01
1859	494561.06	3859201.99	0.15832	0.04617	0.10228	0.12139	0.33318	0.45972	0.059	0.04617	7.60E-01	1.96E-03	2.45E-07	2.94E-03	7.19E-02	2.97E-02	9.62E-03	7.23E-03	8.69E-01
1860	494611.06	3859201.99	0.15618	0.04614	0.09885	0.11755	0.33414	0.50725	0.0586	0.04614	7.49E-01	1.96E-03	2.37E-07	2.85E-03	7.21E-02	3.28E-02	9.56E-03	7.23E-03	8.62E-01
1861	494661.06	3859201.99	0.1542	0.04624	0.09839	0.11718	0.33562	0.57776	0.0583	0.04624	7.40E-01	1.97E-03	2.36E-07	2.84E-03	7.24E-02	3.74E-02	9.51E-03	7.24E-03	8.57E-01
1862	494711.06	3859201.99	0.1522	0.04635	0.09783	0.11704	0.33628	0.70518	0.0579	0.04635	7.30E-01	1.97E-03	2.35E-07	2.84E-03	7.25E-02	4.56E-02	9.46E-03	7.26E-03	8.56E-01
1863	494761.06	3859201.99	0.14971	0.04616	0.09615	0.11217	0.33254	0.9478	0.0573	0.04616	7.18E-01	1.96E-03	2.31E-07	2.72E-03	7.17E-02	6.13E-02	9.36E-03	7.23E-03	8.58E-01
1864	494811.06	3859201.99	0.14734	0.04611	0.09493	0.10656	0.32941	1.41559	0.0568	0.04611	7.07E-01	1.96E-03	2.28E-07	2.58E-03	7.10E-02	9.16E-02	9.26E-03	7.22E-03	8.76E-01
1865	494861.06	3859201.99	0.14492	0.04584	0.09265	0.10572	0.32447	1.22918	0.0551	0.04584	6.95E-01	1.95E-03	2.22E-07	2.56E-03	7.00E-02	7.95E-02	8.99E-03	7.18E-03	8.51E-01
1866	494911.06	3859201.99	0.14141	0.04564	0.09015	0.1043	0.31494	0.95044	0.0535	0.04564	6.79E-01	1.94E-03	2.16E-07	2.53E-03	6.79E-02	6.15E-02	8.73E-03	7.15E-03	8.14E-01
1867	494961.06	3859201.99	0.13766	0.04413	0.08413	0.10281	0.30396	0.95292	0.0518	0.04413	6.61E-01	1.88E-03	2.02E-07	2.49E-03	6.56E-02	6.17E-02	8.45E-03	6.91E-03	7.94E-01
1868	495011.06	3859201.99	0.13243	0.03973	0.07991	0.09978	0.28713	0.9619	0.0497	0.03973	6.36E-01	1.69E-03	1.92E-07	2.42E-03	6.19E-02	6.22E-02	8.11E-03	6.22E-03	7.66E-01
1869	495061.06	3859201.99	0.1332	0.03818	0.081	0.10248	0.29605	0.96934	0.048	0.03818	6.39E-01	1.62E-03	1.94E-07	2.48E-03	6.39E-02	6.27E-02	7.83E-03	5.98E-03	7.72E-01
1870	495111.06	3859201.99	0.13226	0.03779	0.08241	0.10326	0.29698	0.94034	0.0479	0.03779	6.35E-01	1.61E-03	1.98E-07	2.50E-03	6.41E-02	6.08E-02	7.83E-03	5.92E-03	7.66E-01
1871	495161.06	3859201.99	0.1311	0.03769	0.08326	0.10386	0.29633	0.91595	0.0477	0.03769	6.29E-01	1.60E-03	2.00E-07	2.52E-03	6.39E-02	5.93E-02	7.78E-03	5.90E-03	7.58E-01
1872	495211.06	3859201.99	0.12933	0.03744	0.08254	0.10202	0.29829	0.90129	0.0472	0.03744	6.21E-01	1.59E-03	1.98E-07	2.47E-03	6.43E-02	5.83E-02	7.70E-03	5.87E-03	7.49E-01
1873	495261.06	3859201.99	0.12844	0.0374	0.08397	0.10002	0.2941	0.89859	0.0463	0.0374	6.16E-01	1.59E-03	2.01E-07	2.42E-03	6.34E-02	5.81E-02	7.55E-03	5.86E-03	7.44E-01
1874	495311.06	3859201.99	0.12724	0.03608	0.08458	0.09758	0.28906	0.86741	0.0451	0.03608	6.11E-01	1.54E-03	2.03E-07	2.36E-03	6.23E-02	5.61E-02	7.36E-03	5.65E-03	7.35E-01
1875	495361.06	3859201.99	0.12615	0.03589	0.08552	0.09527	0.28226	0.8781	0.0442	0.03589	6.05E-01	1.53E-03	2.05E-07	2.31E-03	6.09E-02	5.68E-02	7.21E-03	5.62E-03	7.28E-01
1876	495411.06	3859201.99	0.12554	0.03572	0.08524	0.09358	0.27522	0.89986	0.0436	0.03572	6.02E-01	1.52E-03	2.04E-07	2.27E-03	5.94E-02	5.82E-02	7.11E-03	5.60E-03	7.25E-01
1877	495461.06	3859201.99	0.12407	0.03553	0.08352	0.09075	0.27287	0.94453	0.0427	0.03553	5.95E-01	1.51E-03	2.00E-07	2.20E-03	5.89E-02	6.11E-02	6.96E-03	5.57E-03	7.20E-01

1878	495511.06	3859201.99	0.12261	0.03534	0.08185	0.08795	0.27133	0.92929	0.0418	0.03534	5.88E-01	1.50E-03	1.96E-07	2.13E-03	5.85E-02	6.01E-02	6.82E-03	5.54E-03	7.12E-01
1879	495561.06	3859201.99	0.12045	0.03513	0.07929	0.08424	0.27143	0.94688	0.0407	0.03513	5.78E-01	1.49E-03	1.90E-07	2.04E-03	5.85E-02	6.13E-02	6.64E-03	5.50E-03	7.03E-01
1880	495611.06	3859201.99	0.1204	0.0349	0.07729	0.08372	0.26819	0.88098	0.0397	0.0349	5.78E-01	1.48E-03	1.85E-07	2.03E-03	5.78E-02	5.70E-02	6.48E-03	5.47E-03	6.97E-01
1881	495661.06	3859201.99	0.12056	0.03467	0.07572	0.08444	0.26715	0.72669	0.0389	0.03467	5.79E-01	1.48E-03	1.82E-07	2.05E-03	5.76E-02	4.70E-02	6.35E-03	5.43E-03	6.88E-01
1882	494311.06	3859251.99	0.16097	0.04806	0.11758	0.14487	0.48295	0.29742	0.0618	0.04806	7.72E-01	2.04E-03	2.82E-07	3.51E-03	1.04E-01	1.92E-02	1.01E-02	7.53E-03	9.04E-01
1883	494361.06	3859251.99	0.16009	0.04718	0.11313	0.14301	0.4729	0.33458	0.0619	0.04718	7.68E-01	2.01E-03	2.71E-07	3.46E-03	1.02E-01	2.16E-02	1.01E-02	7.39E-03	9.00E-01
1884	494411.06	3859251.99	0.15914	0.0469	0.10826	0.1401	0.43514	0.34798	0.0619	0.0469	7.64E-01	2.00E-03	2.60E-07	3.39E-03	9.38E-02	2.25E-02	1.01E-02	7.35E-03	8.88E-01
1885	494461.06	3859251.99	0.16031	0.04694	0.10419	0.13848	0.40312	0.35976	0.0618	0.04694	7.69E-01	2.00E-03	2.50E-07	3.35E-03	8.69E-02	2.33E-02	1.01E-02	7.35E-03	8.88E-01
1886	494511.06	3859251.99	0.15976	0.04663	0.1025	0.13333	0.36486	0.40673	0.0604	0.04663	7.67E-01	1.98E-03	2.46E-07	3.23E-03	7.87E-02	2.63E-02	9.85E-03	7.30E-03	8.79E-01
1887	494561.06	3859251.99	0.1591	0.04665	0.09873	0.1294	0.33363	0.46327	0.0601	0.04665	7.64E-01	1.98E-03	2.37E-07	3.13E-03	7.20E-02	3.00E-02	9.81E-03	7.31E-03	8.73E-01
1888	494611.06	3859251.99	0.15836	0.0465	0.09442	0.12418	0.31384	0.54976	0.0597	0.0465	7.60E-01	1.98E-03	2.26E-07	3.01E-03	6.77E-02	3.56E-02	9.74E-03	7.28E-03	8.71E-01
1889	494661.06	3859251.99	0.15761	0.04671	0.09478	0.12191	0.3186	0.60848	0.0595	0.04671	7.56E-01	1.99E-03	2.27E-07	2.95E-03	6.87E-02	3.94E-02	9.71E-03	7.32E-03	8.72E-01
1890	494711.06	3859251.99	0.15678	0.04678	0.09466	0.11856	0.32155	0.69075	0.0592	0.04678	7.52E-01	1.99E-03	2.27E-07	2.87E-03	6.94E-02	4.47E-02	9.66E-03	7.33E-03	8.74E-01
1891	494761.06	3859251.99	0.15487	0.04597	0.09172	0.11484	0.3164	0.84024	0.0583	0.04597	7.43E-01	1.96E-03	2.20E-07	2.78E-03	6.82E-02	5.44E-02	9.51E-03	7.20E-03	8.73E-01
1892	494811.06	3859251.99	0.15311	0.04647	0.0928	0.1151	0.32056	1.15616	0.0581	0.04647	7.35E-01	1.98E-03	2.23E-07	2.79E-03	6.91E-02	7.48E-02	9.49E-03	7.28E-03	8.86E-01
1893	494861.06	3859251.99	0.15026	0.04575	0.08975	0.10477	0.31427	1.08083	0.0563	0.04575	7.21E-01	1.95E-03	2.15E-07	2.54E-03	6.78E-02	6.99E-02	9.20E-03	7.17E-03	8.65E-01
1894	494911.06	3859251.99	0.14685	0.04556	0.08869	0.10004	0.30732	0.70891	0.0554	0.04556	7.05E-01	1.94E-03	2.13E-07	2.42E-03	6.63E-02	4.59E-02	9.05E-03	7.14E-03	8.23E-01
1895	494961.06	3859251.99	0.14456	0.04565	0.08809	0.09982	0.30584	0.62778	0.0542	0.04565	6.94E-01	1.94E-03	2.11E-07	2.42E-03	6.60E-02	4.06E-02	8.84E-03	7.15E-03	8.06E-01
1896	495011.06	3859251.99	0.14195	0.04565	0.08712	0.09932	0.30218	0.59893	0.0528	0.04565	6.81E-01	1.94E-03	2.09E-07	2.41E-03	6.52E-02	3.88E-02	8.61E-03	7.15E-03	7.91E-01
1897	495061.06	3859251.99	0.14098	0.04413	0.08794	0.10023	0.30644	0.57365	0.052	0.04413	6.77E-01	1.88E-03	2.11E-07	2.43E-03	6.61E-02	3.71E-02	8.49E-03	6.91E-03	7.86E-01
1898	495111.06	3859251.99	0.13932	0.04138	0.08792	0.10053	0.30649	0.55468	0.051	0.04138	6.69E-01	1.76E-03	2.11E-07	2.44E-03	6.61E-02	3.59E-02	8.32E-03	6.48E-03	7.77E-01
1899	495161.06	3859251.99	0.13797	0.03899	0.0882	0.10111	0.30761	0.53777	0.0488	0.03899	6.62E-01	1.66E-03	2.12E-07	2.45E-03	6.63E-02	3.48E-02	7.96E-03	6.11E-03	7.69E-01
1900	495211.06	3859251.99	0.13625	0.03875	0.08797	0.10131	0.30607	0.53989	0.0487	0.03875	6.54E-01	1.65E-03	2.11E-07	2.45E-03	6.60E-02	3.49E-02	7.95E-03	6.07E-03	7.61E-01
1901	495261.06	3859251.99	0.13523	0.03861	0.08735	0.10202	0.30665	0.56103	0.0484	0.03861	6.49E-01	1.64E-03	2.09E-07	2.47E-03	6.61E-02	3.63E-02	7.90E-03	6.05E-03	7.57E-01
1902	495311.06	3859251.99	0.13388	0.03861	0.08842	0.10271	0.30698	0.59215	0.0483	0.03861	6.42E-01	1.64E-03	2.12E-07	2.49E-03	6.62E-02	3.83E-02	7.89E-03	6.05E-03	7.53E-01
1903	495361.06	3859251.99	0.13243	0.0383	0.08663	0.10314	0.30514	0.62725	0.048	0.0383	6.36E-01	1.63E-03	2.08E-07	2.50E-03	6.58E-02	4.06E-02	7.83E-03	6.00E-03	7.48E-01
1904	495411.06	3859251.99	0.13147	0.03652	0.08575	0.10328	0.31818	0.59456	0.0473	0.03652	6.31E-01	1.55E-03	2.06E-07	2.50E-03	6.86E-02	3.85E-02	7.72E-03	5.72E-03	7.44E-01
1905	495461.06	3859251.99	0.12997	0.03632	0.08393	0.10063	0.31205	0.59801	0.046	0.03632	6.24E-01	1.55E-03	2.01E-07	2.44E-03	6.73E-02	3.87E-02	7.52E-03	5.69E-03	7.36E-01
1906	495511.06	3859251.99	0.12786	0.0361	0.08112	0.09695	0.29492	0.6211	0.0445	0.0361	6.14E-01	1.54E-03	1.95E-07	2.35E-03	6.36E-02	4.02E-02	7.26E-03	5.66E-03	7.23E-01
1907	495561.06	3859251.99	0.12619	0.03589	0.07914	0.09398	0.28578	0.52357	0.0432	0.03589	6.06E-01	1.53E-03	1.90E-07	2.28E-03	6.16E-02	3.39E-02	7.04E-03	5.62E-03	7.06E-01
1908	495611.06	3859251.99	0.12418	0.03568	0.07669	0.09048	0.26985	0.50022	0.0418	0.03568	5.96E-01	1.52E-03	1.84E-07	2.19E-03	5.82E-02	3.24E-02	6.82E-03	5.59E-03	6.91E-01
1909	495661.06	3859251.99	0.12286	0.03547	0.0748	0.08752	0.26925	0.47294	0.0409	0.03547	5.90E-01	1.51E-03	1.79E-07	2.12E-03	5.81E-02	3.06E-02	6.67E-03	5.56E-03	6.83E-01
1910	494311.06	3859301.99	0.1593	0.04891	0.11501	0.15059	0.47674	0.30473	0.0618	0.04891	7.64E-01	2.08E-03	2.76E-07	3.65E-03	1.03E-01	1.97E-02	1.01E-02	7.66E-03	8.95E-01
1911	494361.06	3859301.99	0.15837	0.04837	0.11033	0.14934	0.47175	0.37376	0.0618	0.04837	7.60E-01	2.06E-03	2.65E-07	3.62E-03	1.02E-01	2.42E-02	1.01E-02	7.58E-03	8.94E-01
1912	494411.06	3859301.99	0.15737	0.04784	0.10606	0.14698	0.46278	0.3888	0.0618	0.04784	7.55E-01	2.04E-03	2.54E-07	3.56E-03	9.98E-02	2.52E-02	1.01E-02	7.49E-03	8.88E-01
1913	494461.06	3859301.99	0.15635	0.04753	0.10288	0.14059	0.46532	0.38921	0.0619	0.04753	7.50E-01	2.02E-03	2.47E-07	3.41E-03	1.00E-01	2.52E-02	1.01E-02	7.45E-03	8.84E-01
1914	494511.06	3859301.99	0.15532	0.04734	0.09922	0.13821	0.45399	0.43617	0.0619	0.04734	7.45E-01	2.01E-03	2.38E-07	3.35E-03	9.79E-02	2.82E-02	1.01E-02	7.42E-03	8.80E-01
1915	494561.06	3859301.99	0.15669	0.04733	0.09678	0.1365	0.42161	0.50308	0.0618	0.04733	7.52E-01	2.01E-03	2.32E-07	3.31E-03	9.09E-02	3.26E-02	1.01E-02	7.41E-03	8.83E-01
1916	494611.06	3859301.99	0.15598	0.04726	0.09526	0.13448	0.38834	0.55082	0.0618	0.04726	7.49E-01	2.01E-03	2.28E-07	3.26E-03	8.38E-02	3.56E-02	1.01E-02	7.40E-03	8.76E-01
1917	494661.06	3859301.99	0.15521	0.04723	0.09377	0.13004	0.35604	0.60311	0.0605	0.04723	7.45E-01	2.01E-03	2.25E-07	3.15E-03	7.68E-02	3.90E-02	9.88E-03	7.40E-03	8.68E-01
1918	494711.06	3859301.99	0.15438	0.04707	0.09196	0.12459	0.32221	0.66067	0.0601	0.04707	7.41E-01	2.00E-03	2.21E-07	3.02E-03	6.95E-02	4.27E-02	9.82E-03	7.37E-03	8.61E-01
1919	494761.06	3859301.99	0.15344	0.04702	0.09038	0.12002	0.30094	0.75288	0.0598	0.04702	7.36E-01	2.00E-03	2.17E-07	2.91E-03	6.49E-02	4.87E-02	9.76E-03	7.37E-03	8.57E-01
1920	494811.06	3859301.99	0.15226	0.0467	0.08806	0.11361	0.30135	0.98033	0.0592	0.0467	7.31E-01	1.99E-03	2.11E-07	2.75E-03	6.50E-02	6.34E-02	9.66E-03	7.32E-03	8.66E-01
1921	494861.06	3859301.99	0.15048	0.04609	0.08607	0.11197	0.29727	0.97678	0.0583	0.04609	7.22E-01	1.96E-03	2.06E-07	2.71E-03	6.41E-02	6.32E-02	9.52E-03	7.22E-03	8.56E-01
1922	494911.06	3859301.99	0.14906	0.04608	0.08581	0.10817	0.29823	0.69901	0.0578	0.04608	7.15E-01	1.96E-03	2.06E-07	2.62E-03	6.43E-02	4.52E-02	9.44E-03	7.22E-03	8.32E-01
1923	494961.06	3859301.99	0.14652	0.04544	0.08362	0.09728	0.29186	0.51486	0.0543	0.04544	7.03E-01	1.93E-03	2.01E-07	2.36E-03	6.29E-02	3.33E-02	8.87E-03	7.12E-03	8.05E-01
1924	495011.06	3859301.99	0.14508	0.04561	0.08357	0.09589	0.29309	0.44692	0.0542	0.04561	6.96E-01	1.94E-03	2.00E-07	2.32E-03	6.32E-02	2.89E-02	8.85E-03	7.14E-03	7.94E-01
1925	495061.06	3859301.99	0.14551	0.04655	0.08556	0.10112	0.30499	0.43363	0.0543	0.04655	6.98E-01	1.98E-03	2.05E-07	2.45E-03	6.58E-02	2.81E-02	8.87E-03	7.29E-03	7.98E-01
1926	495111.06	3859301.99	0.14365	0.04638	0.08533	0.09732	0.30282	0.43386	0.0531	0.04638	6.89E-01	1.97E-03	2.05E-07	2.36E-03	6.53E-02	2.81E-02	8.66E-03	7.27E-03	7.88E-01
1927	495161.06	3859301.99	0.14265	0.04385	0.08634	0.09913	0.30581	0.4541	0.0523	0.04385	6.85E-01	1.87E-03	2.07E-07	2.40E-03	6.60E-02	2.94E-02	8.53E-03	6.87E-03	7.86E-01
1928	495211.06	3859301.99	0.14217	0.04161	0.08762	0.10179	0.31136	0.47365	0.0511	0.04161	6.82E-01	1.77E-03	2.10E-07	2.47E-03	6.72E-02	3.06E-02	8.34E-03	6.52E-03	7.86E-01
1929	495261.06	3859301.99	0.14101	0.04009	0.0884	0.10276	0.31433	0.44242	0.0496	0.04009	6.77E-01	1.71E-03	2.12E-07	2.49E-03	6.78E-02	2.86E-02	8.10E-03	6.28E-03	7.79E-01
1930	495311.06	3859301.99	0.13901	0.03973	0.086	0.0999	0.31229	0.4403	0.0497	0.03973	6.67E-01	1.69E-03	2.06E-07	2.42E-03	6.74E-02	2.85E-02	8.11E-03	6.22E-03	7.69E-01
1931	495361.06	3859301.99	0.13776	0.03971	0.08493	0.10116	0.31467	0.47903	0.0491	0.03971	6.61E-01	1.69E-03	2.04E-07	2.45E-03	6.79E-02	3.10E-02	8.02E-03	6.22E-03	7.66E-01
1932	495411.06	3859301.99	0.13627	0.03958	0.08334	0.10098	0.31478	0.47912	0.0489	0.03958	6.54E-01	1.68E-03	2.00E-07	2.45E-03	6.79E-02	3.10E-02	7.98E-03	6.20E-03	7.59E-01
1933	495461.06	3859301.99	0.13485	0.03859	0.08195	0.10155	0.31485	0.44439	0.0487	0.03859	6.47E-01	1.64E-03	1.97E-07	2.46E-03	6.79E-02	2.88E-02	7.94E-03	6.05E-03	7.50E-01
1934	495511.06	3859301.99	0.13295	0.03693	0.07949	0.1015	0.31097	0.42348	0.0481	0.03693	6.38E-01	1.57E-03	1.91E-07	2.46E-03	6.71E-02	2.74E-02	7.85E-03	5.79E-03	7.39E-01

1935	495561.06	3859301.99	0.1306	0.0367	0.07624	0.10089	0.30468	0.3694	0.0468	0.0367	6.27E-01	1.56E-03	1.83E-07	2.44E-03	6.57E-02	2.39E-02	7.64E-03	5.75E-03	7.22E-01
1936	495611.06	3859301.99	0.12887	0.03648	0.07431	0.09977	0.31216	0.37688	0.0455	0.03648	6.18E-01	1.55E-03	1.78E-07	2.42E-03	6.73E-02	2.44E-02	7.43E-03	5.71E-03	7.16E-01
1937	495661.06	3859301.99	0.12711	0.03626	0.07278	0.09685	0.30234	0.35085	0.0442	0.03626	6.10E-01	1.54E-03	1.75E-07	2.35E-03	6.52E-02	2.27E-02	7.21E-03	5.68E-03	7.03E-01
1938	494311.06	3859351.99	0.15659	0.05032	0.12417	0.15245	0.47523	0.36229	0.0618	0.05032	7.51E-01	2.14E-03	2.98E-07	3.69E-03	1.02E-01	2.34E-02	1.01E-02	7.88E-03	8.85E-01
1939	494361.06	3859351.99	0.1558	0.04976	0.12082	0.15117	0.48949	0.42197	0.0622	0.04976	7.48E-01	2.12E-03	2.90E-07	3.66E-03	1.06E-01	2.73E-02	1.02E-02	7.79E-03	8.89E-01
1940	494411.06	3859351.99	0.15495	0.049	0.11575	0.14835	0.48547	0.39801	0.0618	0.049	7.44E-01	2.08E-03	2.78E-07	3.59E-03	1.05E-01	2.58E-02	1.01E-02	7.68E-03	8.82E-01
1941	494461.06	3859351.99	0.15387	0.04835	0.11165	0.14566	0.46233	0.42493	0.0618	0.04835	7.38E-01	2.06E-03	2.68E-07	3.53E-03	9.97E-02	2.75E-02	1.01E-02	7.57E-03	8.74E-01
1942	494511.06	3859351.99	0.15279	0.04812	0.10882	0.14361	0.44951	0.45386	0.0618	0.04812	7.33E-01	2.05E-03	2.61E-07	3.48E-03	9.69E-02	2.94E-02	1.01E-02	7.54E-03	8.68E-01
1943	494561.06	3859351.99	0.15173	0.04813	0.10616	0.13983	0.4489	0.49945	0.0618	0.04813	7.28E-01	2.05E-03	2.55E-07	3.39E-03	9.68E-02	3.23E-02	1.01E-02	7.54E-03	8.65E-01
1944	494611.06	3859351.99	0.15064	0.04805	0.10312	0.13746	0.44981	0.52446	0.0618	0.04805	7.23E-01	2.04E-03	2.47E-07	3.33E-03	9.70E-02	3.39E-02	1.01E-02	7.53E-03	8.62E-01
1945	494661.06	3859351.99	0.15169	0.04795	0.10285	0.13552	0.44299	0.55228	0.0618	0.04795	7.28E-01	2.04E-03	2.47E-07	3.28E-03	9.55E-02	3.57E-02	1.01E-02	7.51E-03	8.67E-01
1946	494711.06	3859351.99	0.15089	0.04767	0.10195	0.13273	0.40628	0.60582	0.0617	0.04767	7.24E-01	2.03E-03	2.45E-07	3.22E-03	8.76E-02	3.92E-02	1.01E-02	7.47E-03	8.59E-01
1947	494761.06	3859351.99	0.14996	0.04703	0.09961	0.12469	0.36505	0.70276	0.0606	0.04703	7.20E-01	2.00E-03	2.39E-07	3.02E-03	7.87E-02	4.55E-02	9.90E-03	7.37E-03	8.51E-01
1948	494811.06	3859351.99	0.14854	0.04638	0.09619	0.1149	0.31836	0.99963	0.0598	0.04638	7.13E-01	1.97E-03	2.31E-07	2.78E-03	6.87E-02	6.47E-02	9.76E-03	7.27E-03	8.53E-01
1949	494861.06	3859351.99	0.14732	0.04645	0.09474	0.11131	0.29013	1.0812	0.0594	0.04645	7.07E-01	1.98E-03	2.27E-07	2.70E-03	6.26E-02	7.00E-02	9.70E-03	7.28E-03	8.47E-01
1950	494911.06	3859351.99	0.14618	0.04669	0.09376	0.10921	0.28285	0.68182	0.0592	0.04669	7.02E-01	1.99E-03	2.25E-07	2.65E-03	6.10E-02	4.41E-02	9.67E-03	7.31E-03	8.14E-01
1951	494961.06	3859351.99	0.14478	0.04669	0.09208	0.10901	0.28409	0.52118	0.0588	0.04669	6.95E-01	1.99E-03	2.21E-07	2.64E-03	6.13E-02	3.37E-02	9.60E-03	7.31E-03	7.97E-01
1952	495011.06	3859351.99	0.14349	0.04687	0.09088	0.10957	0.28787	0.44639	0.0575	0.04687	6.89E-01	1.99E-03	2.18E-07	2.65E-03	6.21E-02	2.89E-02	9.39E-03	7.34E-03	7.86E-01
1953	495061.06	3859351.99	0.14287	0.04769	0.09137	0.1102	0.2974	0.43659	0.0549	0.04769	6.86E-01	2.03E-03	2.19E-07	2.67E-03	6.41E-02	2.82E-02	8.95E-03	7.47E-03	7.84E-01
1954	495111.06	3859351.99	0.14152	0.04781	0.09001	0.1106	0.29973	0.41514	0.054	0.04781	6.79E-01	2.03E-03	2.16E-07	2.68E-03	6.46E-02	2.69E-02	8.81E-03	7.49E-03	7.77E-01
1955	495161.06	3859351.99	0.1404	0.04818	0.08854	0.11099	0.30389	0.41736	0.054	0.04818	6.74E-01	2.05E-03	2.12E-07	2.69E-03	6.55E-02	2.70E-02	8.82E-03	7.55E-03	7.72E-01
1956	495211.06	3859351.99	0.13924	0.04684	0.08665	0.1113	0.30722	0.41005	0.0541	0.04684	6.68E-01	1.99E-03	2.08E-07	2.70E-03	6.63E-02	2.65E-02	8.82E-03	7.34E-03	7.67E-01
1957	495261.06	3859351.99	0.13825	0.0443	0.08615	0.11156	0.3117	0.40981	0.0534	0.0443	6.63E-01	1.88E-03	2.07E-07	2.70E-03	6.72E-02	2.65E-02	8.72E-03	6.94E-03	7.64E-01
1958	495311.06	3859351.99	0.13691	0.04156	0.08629	0.1117	0.31259	0.43899	0.0508	0.04156	6.57E-01	1.77E-03	2.07E-07	2.71E-03	6.74E-02	2.84E-02	8.29E-03	6.51E-03	7.59E-01
1959	495361.06	3859351.99	0.13574	0.04094	0.08621	0.11179	0.31453	0.42186	0.0506	0.04094	6.51E-01	1.74E-03	2.07E-07	2.71E-03	6.78E-02	2.73E-02	8.25E-03	6.41E-03	7.53E-01
1960	495411.06	3859351.99	0.13469	0.04084	0.08576	0.11183	0.31706	0.37475	0.0506	0.04084	6.46E-01	1.74E-03	2.06E-07	2.71E-03	6.84E-02	2.42E-02	8.26E-03	6.40E-03	7.45E-01
1961	495461.06	3859351.99	0.13372	0.0408	0.08551	0.1118	0.3198	0.35943	0.0499	0.0408	6.42E-01	1.74E-03	2.05E-07	2.71E-03	6.90E-02	2.33E-02	8.14E-03	6.39E-03	7.40E-01
1962	495511.06	3859351.99	0.13215	0.04036	0.08393	0.10982	0.31678	0.34476	0.0491	0.04036	6.34E-01	1.72E-03	2.01E-07	2.66E-03	6.83E-02	2.23E-02	8.02E-03	6.32E-03	7.31E-01
1963	495561.06	3859351.99	0.13099	0.03826	0.08271	0.10705	0.31452	0.33825	0.0487	0.03826	6.29E-01	1.63E-03	1.98E-07	2.59E-03	6.78E-02	2.19E-02	7.95E-03	5.99E-03	7.25E-01
1964	495611.06	3859351.99	0.13028	0.03735	0.0818	0.10545	0.3129	0.29889	0.0483	0.03735	6.25E-01	1.59E-03	1.96E-07	2.55E-03	6.75E-02	1.93E-02	7.89E-03	5.85E-03	7.18E-01
1965	495661.06	3859351.99	0.12922	0.0371	0.08023	0.10128	0.30791	0.29056	0.0477	0.0371	6.20E-01	1.58E-03	1.92E-07	2.45E-03	6.64E-02	1.88E-02	7.78E-03	5.81E-03	7.11E-01
1966	494311.06	3859401.99	0.15321	0.05205	0.13138	0.15212	0.40816	0.38198	0.0614	0.05205	7.35E-01	2.21E-03	3.15E-07	3.69E-03	8.80E-02	2.47E-02	1.00E-02	8.15E-03	8.56E-01
1967	494361.06	3859401.99	0.15238	0.05113	0.12726	0.14964	0.4193	0.42323	0.0617	0.05113	7.31E-01	2.18E-03	3.05E-07	3.63E-03	9.04E-02	2.74E-02	1.01E-02	8.01E-03	8.57E-01
1968	494411.06	3859401.99	0.15163	0.05032	0.12305	0.14679	0.4291	0.43049	0.0618	0.05032	7.28E-01	2.14E-03	2.95E-07	3.56E-03	9.25E-02	2.79E-02	1.01E-02	7.88E-03	8.56E-01
1969	494461.06	3859401.99	0.15073	0.04972	0.11836	0.14463	0.44196	0.42454	0.0618	0.04972	7.23E-01	2.12E-03	2.84E-07	3.50E-03	9.53E-02	2.75E-02	1.01E-02	7.79E-03	8.54E-01
1970	494511.06	3859401.99	0.14968	0.0493	0.11698	0.1435	0.45865	0.47213	0.062	0.0493	7.18E-01	2.10E-03	2.81E-07	3.48E-03	9.89E-02	3.05E-02	1.01E-02	7.72E-03	8.56E-01
1971	494561.06	3859401.99	0.14856	0.04918	0.11493	0.14202	0.47289	0.50367	0.0617	0.04918	7.13E-01	2.09E-03	2.76E-07	3.44E-03	1.02E-01	3.26E-02	1.01E-02	7.70E-03	8.55E-01
1972	494611.06	3859401.99	0.14739	0.04893	0.11173	0.13998	0.4518	0.51133	0.0617	0.04893	7.07E-01	2.08E-03	2.68E-07	3.39E-03	9.74E-02	3.31E-02	1.01E-02	7.66E-03	8.46E-01
1973	494661.06	3859401.99	0.14626	0.04894	0.10936	0.13932	0.43679	0.5272	0.0617	0.04894	7.02E-01	2.08E-03	2.62E-07	3.38E-03	9.42E-02	3.41E-02	1.01E-02	7.67E-03	8.38E-01
1974	494711.06	3859401.99	0.1451	0.04882	0.10656	0.13702	0.43967	0.54757	0.0617	0.04882	6.96E-01	2.08E-03	2.56E-07	3.32E-03	9.48E-02	3.54E-02	1.01E-02	7.65E-03	8.34E-01
1975	494761.06	3859401.99	0.14555	0.04793	0.10059	0.12984	0.4308	0.66204	0.0616	0.04793	6.98E-01	2.04E-03	2.41E-07	3.15E-03	9.29E-02	4.28E-02	1.00E-02	7.51E-03	8.42E-01
1976	494811.06	3859401.99	0.14455	0.04779	0.09815	0.12681	0.41893	0.93181	0.0613	0.04779	6.94E-01	2.03E-03	2.35E-07	3.07E-03	9.04E-02	6.03E-02	1.00E-02	7.49E-03	8.52E-01
1977	494861.06	3859401.99	0.14329	0.04725	0.09385	0.12026	0.37742	1.08299	0.0607	0.04725	6.88E-01	2.01E-03	2.25E-07	2.91E-03	8.14E-02	7.01E-02	9.90E-03	7.40E-03	8.47E-01
1978	494911.06	3859401.99	0.14203	0.04706	0.09173	0.11589	0.34493	0.69044	0.0603	0.04706	6.82E-01	2.00E-03	2.20E-07	2.81E-03	7.44E-02	4.47E-02	9.84E-03	7.37E-03	8.08E-01
1979	494961.06	3859401.99	0.14079	0.04739	0.09175	0.11509	0.31997	0.53922	0.0601	0.04739	6.76E-01	2.02E-03	2.20E-07	2.79E-03	6.90E-02	3.49E-02	9.80E-03	7.42E-03	7.87E-01
1980	495011.06	3859401.99	0.13965	0.04773	0.09092	0.11364	0.29764	0.47057	0.0599	0.04773	6.70E-01	2.03E-03	2.18E-07	2.75E-03	6.42E-02	3.04E-02	9.78E-03	7.48E-03	7.72E-01
1981	495061.06	3859401.99	0.13863	0.04801	0.08853	0.11206	0.28355	0.43693	0.0599	0.04801	6.65E-01	2.04E-03	2.12E-07	2.71E-03	6.12E-02	2.83E-02	9.77E-03	7.52E-03	7.62E-01
1982	495111.06	3859401.99	0.1373	0.04809	0.08655	0.10849	0.28192	0.39741	0.0567	0.04809	6.59E-01	2.05E-03	2.08E-07	2.63E-03	6.08E-02	2.57E-02	9.25E-03	7.53E-03	7.52E-01
1983	495161.06	3859401.99	0.13661	0.04867	0.08787	0.10888	0.28803	0.40215	0.054	0.04867	6.56E-01	2.07E-03	2.11E-07	2.64E-03	6.21E-02	2.60E-02	8.81E-03	7.62E-03	7.50E-01
1984	495211.06	3859401.99	0.13622	0.04919	0.08792	0.10901	0.29472	0.41587	0.0533	0.04919	6.54E-01	2.09E-03	2.11E-07	2.64E-03	6.36E-02	2.69E-02	8.70E-03	7.71E-03	7.50E-01
1985	495261.06	3859401.99	0.13573	0.04935	0.08703	0.10845	0.29944	0.42212	0.0534	0.04935	6.51E-01	2.10E-03	2.09E-07	2.63E-03	6.46E-02	2.73E-02	8.71E-03	7.73E-03	7.49E-01
1986	495311.06	3859401.99	0.13521	0.04655	0.08595	0.10892	0.30335	0.42268	0.0534	0.04655	6.49E-01	1.98E-03	2.06E-07	2.64E-03	6.54E-02	2.73E-02	8.71E-03	7.29E-03	7.48E-01
1987	495361.06	3859401.99	0.13476	0.04418	0.0863	0.10939	0.30901	0.39792	0.0531	0.04418	6.47E-01	1.88E-03	2.07E-07	2.65E-03	6.66E-02	2.57E-02	8.66E-03	6.92E-03	7.45E-01
1988	495411.06	3859401.99	0.13423	0.0423	0.08578	0.10976	0.31276	0.38638	0.0516	0.0423	6.44E-01	1.80E-03	2.06E-07	2.66E-03	6.75E-02	2.50E-02	8.43E-03	6.63E-03	7.43E-01
1989	495461.06	3859401.99	0.13363	0.042	0.08523	0.11	0.3145	0.3608	0.0518	0.042	6.41E-01	1.79E-03	2.04E-07	2.66E-03	6.78E-02	2.33E-02	8.45E-03	6.58E-03	7.39E-01
1990	495511.06	3859401.99	0.13293	0.04157	0.0851	0.11016	0.31411	0.32651	0.0511	0.04157	6.38E-01	1.77E-03	2.04E-07	2.67E-03	6.77E-02	2.11E-02	8.35E-03	6.51E-03	7.33E-01
1991	495561.06	3859401.99	0.13209	0.04107	0.08468	0.11022	0.31216	0.31023	0.0498	0.04107	6.34E-01	1.75E-03	2.03E-07	2.67E-03	6.73E-02	2.01E-02	8.12E-03	6.43E-03	7.27E-01

1992	495611.06	3859401.99	0.13139	0.04016	0.08422	0.11029	0.31222	0.28578	0.0491	0.04016	6.31E-01	1.71E-03	2.02E-07	2.67E-03	6.73E-02	1.85E-02	8.01E-03	6.29E-03	7.22E-01
1993	495661.06	3859401.99	0.1307	0.03799	0.08269	0.11029	0.31225	0.2674	0.0488	0.03799	6.27E-01	1.62E-03	1.98E-07	2.67E-03	6.73E-02	1.73E-02	7.96E-03	5.95E-03	7.18E-01
1994	494311.06	3859451.99	0.15355	0.05444	0.13788	0.15585	0.33825	0.38012	0.0616	0.05444	7.37E-01	2.32E-03	3.31E-07	3.78E-03	7.30E-02	2.46E-02	1.01E-02	8.53E-03	8.42E-01
1995	494361.06	3859451.99	0.15282	0.0527	0.13019	0.15097	0.35071	0.45139	0.0616	0.0527	7.33E-01	2.24E-03	3.12E-07	3.66E-03	7.56E-02	2.92E-02	1.00E-02	8.26E-03	8.46E-01
1996	494411.06	3859451.99	0.15217	0.05146	0.12033	0.14758	0.35768	0.5022	0.0621	0.05146	7.30E-01	2.19E-03	2.89E-07	3.58E-03	7.71E-02	3.25E-02	1.01E-02	8.06E-03	8.48E-01
1997	494461.06	3859451.99	0.1512	0.0511	0.11925	0.14669	0.376	0.51239	0.0622	0.0511	7.26E-01	2.17E-03	2.86E-07	3.55E-03	8.11E-02	3.32E-02	1.01E-02	8.00E-03	8.48E-01
1998	494511.06	3859451.99	0.1503	0.0505	0.11728	0.14473	0.38959	0.5203	0.0616	0.0505	7.21E-01	2.15E-03	2.81E-07	3.51E-03	8.40E-02	3.37E-02	1.01E-02	7.91E-03	8.47E-01
1999	494561.06	3859451.99	0.14933	0.05002	0.11573	0.14321	0.40492	0.5573	0.0616	0.05002	7.17E-01	2.13E-03	2.78E-07	3.47E-03	8.73E-02	3.61E-02	1.00E-02	7.84E-03	8.48E-01
2000	494611.06	3859451.99	0.14832	0.05003	0.11486	0.14262	0.42396	0.56076	0.0615	0.05003	7.12E-01	2.13E-03	2.75E-07	3.46E-03	9.14E-02	3.63E-02	1.00E-02	7.84E-03	8.47E-01
2001	494661.06	3859451.99	0.1473	0.0497	0.11147	0.1406	0.43532	0.55644	0.0615	0.0497	7.07E-01	2.11E-03	2.67E-07	3.41E-03	9.39E-02	3.60E-02	1.00E-02	7.79E-03	8.45E-01
2002	494711.06	3859451.99	0.14624	0.04938	0.1062	0.13852	0.44555	0.566	0.0615	0.04938	7.02E-01	2.10E-03	2.55E-07	3.36E-03	9.61E-02	3.66E-02	1.00E-02	7.74E-03	8.42E-01
2003	494761.06	3859451.99	0.14518	0.04924	0.10464	0.13688	0.44072	0.65446	0.0614	0.04924	6.97E-01	2.10E-03	2.51E-07	3.32E-03	9.51E-02	4.23E-02	1.00E-02	7.71E-03	8.42E-01
2004	494811.06	3859451.99	0.14406	0.04872	0.10246	0.12861	0.41636	0.93925	0.0614	0.04872	6.91E-01	2.07E-03	2.46E-07	3.12E-03	8.98E-02	6.08E-02	1.00E-02	7.63E-03	8.49E-01
2005	494861.06	3859451.99	0.14301	0.04842	0.10061	0.12443	0.41926	0.96483	0.0613	0.04842	6.86E-01	2.06E-03	2.41E-07	3.01E-03	9.04E-02	6.24E-02	1.00E-02	7.59E-03	8.47E-01
2006	494911.06	3859451.99	0.14189	0.04836	0.09911	0.12335	0.41525	0.81056	0.0612	0.04836	6.81E-01	2.06E-03	2.38E-07	2.99E-03	8.96E-02	5.24E-02	9.99E-03	7.58E-03	8.30E-01
2007	494961.06	3859451.99	0.14083	0.04859	0.09763	0.12454	0.41528	0.65525	0.0611	0.04859	6.76E-01	2.07E-03	2.34E-07	3.02E-03	8.96E-02	4.24E-02	9.98E-03	7.61E-03	8.15E-01
2008	495011.06	3859451.99	0.13972	0.04872	0.09502	0.12467	0.38773	0.5512	0.061	0.04872	6.71E-01	2.07E-03	2.28E-07	3.02E-03	8.36E-02	3.57E-02	9.96E-03	7.63E-03	7.97E-01
2009	495061.06	3859451.99	0.13861	0.04886	0.0925	0.12416	0.36068	0.53246	0.0608	0.04886	6.65E-01	2.08E-03	2.22E-07	3.01E-03	7.78E-02	3.45E-02	9.92E-03	7.65E-03	7.85E-01
2010	495111.06	3859451.99	0.13747	0.049	0.08992	0.12097	0.33395	0.516	0.0605	0.049	6.60E-01	2.08E-03	2.16E-07	2.93E-03	7.20E-02	3.34E-02	9.88E-03	7.68E-03	7.72E-01
2011	495161.06	3859451.99	0.13646	0.04939	0.09038	0.11983	0.31232	0.47568	0.0595	0.04939	6.55E-01	2.10E-03	2.17E-07	2.90E-03	6.74E-02	3.08E-02	9.71E-03	7.74E-03	7.60E-01
2012	495211.06	3859451.99	0.13592	0.04988	0.09173	0.11934	0.29249	0.48407	0.0567	0.04988	6.52E-01	2.12E-03	2.20E-07	2.89E-03	6.31E-02	3.13E-02	9.25E-03	7.81E-03	7.53E-01
2013	495261.06	3859451.99	0.13541	0.05032	0.09201	0.11863	0.28202	0.45762	0.0539	0.05032	6.50E-01	2.14E-03	2.21E-07	2.87E-03	6.08E-02	2.96E-02	8.80E-03	7.88E-03	7.46E-01
2014	495311.06	3859451.99	0.13492	0.05057	0.09092	0.11662	0.28745	0.44587	0.0527	0.05057	6.47E-01	2.15E-03	2.18E-07	2.83E-03	6.20E-02	2.88E-02	8.61E-03	7.92E-03	7.44E-01
2015	495361.06	3859451.99	0.13439	0.04917	0.08996	0.11528	0.2929	0.37588	0.0528	0.04917	6.45E-01	2.09E-03	2.16E-07	2.79E-03	6.32E-02	2.43E-02	8.61E-03	7.70E-03	7.38E-01
2016	495411.06	3859451.99	0.13386	0.04644	0.08884	0.11337	0.2973	0.35073	0.0528	0.04644	6.42E-01	1.98E-03	2.13E-07	2.75E-03	6.41E-02	2.27E-02	8.61E-03	7.27E-03	7.35E-01
2017	495461.06	3859451.99	0.1333	0.0439	0.08786	0.11209	0.30171	0.32968	0.0526	0.0439	6.40E-01	1.87E-03	2.11E-07	2.72E-03	6.51E-02	2.13E-02	8.58E-03	6.88E-03	7.32E-01
2018	495511.06	3859451.99	0.13274	0.04276	0.08624	0.10823	0.3029	0.3057	0.052	0.04276	6.37E-01	1.82E-03	2.07E-07	2.62E-03	6.53E-02	1.98E-02	8.49E-03	6.70E-03	7.28E-01
2019	495561.06	3859451.99	0.13212	0.04243	0.08503	0.10765	0.3053	0.28641	0.0521	0.04243	6.34E-01	1.81E-03	2.04E-07	2.61E-03	6.58E-02	1.85E-02	8.50E-03	6.65E-03	7.25E-01
2020	495611.06	3859451.99	0.13148	0.04211	0.08356	0.108	0.30722	0.27347	0.0515	0.04211	6.31E-01	1.79E-03	2.00E-07	2.62E-03	6.63E-02	1.77E-02	8.41E-03	6.60E-03	7.21E-01
2021	495661.06	3859451.99	0.13081	0.04182	0.08222	0.1083	0.30883	0.2577	0.0505	0.04182	6.28E-01	1.78E-03	1.97E-07	2.62E-03	6.66E-02	1.67E-02	8.24E-03	6.55E-03	7.17E-01
2022	494311.06	3859501.99	0.15369	0.05783	0.13866	0.1555	0.33895	0.50067	0.0618	0.05783	7.38E-01	2.46E-03	3.33E-07	3.77E-03	7.31E-02	3.24E-02	1.01E-02	9.06E-03	8.50E-01
2023	494361.06	3859501.99	0.15311	0.05594	0.13156	0.15332	0.3253	0.59602	0.0616	0.05594	7.35E-01	2.38E-03	3.16E-07	3.71E-03	7.02E-02	3.86E-02	1.01E-02	8.76E-03	8.51E-01
2024	494411.06	3859501.99	0.15276	0.05263	0.12578	0.14867	0.32246	0.65052	0.0615	0.05263	7.33E-01	2.24E-03	3.02E-07	3.60E-03	6.95E-02	4.21E-02	1.00E-02	8.24E-03	8.52E-01
2025	494461.06	3859501.99	0.15171	0.05286	0.12578	0.14868	0.31835	0.66593	0.0612	0.05286	7.28E-01	2.25E-03	3.02E-07	3.60E-03	6.87E-02	4.31E-02	9.98E-03	8.28E-03	8.47E-01
2026	494511.06	3859501.99	0.15096	0.05187	0.12055	0.14659	0.32617	0.78638	0.0613	0.05187	7.24E-01	2.21E-03	2.89E-07	3.55E-03	7.03E-02	5.09E-02	1.00E-02	8.13E-03	8.53E-01
2027	494561.06	3859501.99	0.15015	0.05129	0.11472	0.14483	0.33985	0.74337	0.0613	0.05129	7.21E-01	2.18E-03	2.75E-07	3.51E-03	7.33E-02	4.81E-02	1.00E-02	8.03E-03	8.50E-01
2028	494611.06	3859501.99	0.1491	0.05126	0.11732	0.14489	0.36353	0.80342	0.0611	0.05126	7.16E-01	2.18E-03	2.81E-07	3.51E-03	7.84E-02	5.20E-02	9.97E-03	8.03E-03	8.54E-01
2029	494661.06	3859501.99	0.14833	0.05065	0.10998	0.14289	0.37411	0.75729	0.0615	0.05065	7.12E-01	2.16E-03	2.64E-07	3.46E-03	8.07E-02	4.90E-02	1.00E-02	7.93E-03	8.49E-01
2030	494711.06	3859501.99	0.1475	0.04992	0.1059	0.13981	0.38114	0.78353	0.0612	0.04992	7.08E-01	2.12E-03	2.54E-07	3.39E-03	8.22E-02	5.07E-02	9.99E-03	7.82E-03	8.48E-01
2031	494761.06	3859501.99	0.14653	0.05025	0.10558	0.13904	0.4017	0.8638	0.0611	0.05025	7.03E-01	2.14E-03	2.53E-07	3.37E-03	8.66E-02	5.59E-02	9.98E-03	7.87E-03	8.53E-01
2032	494811.06	3859501.99	0.1455	0.04922	0.09642	0.13477	0.40166	0.99233	0.061	0.04922	6.98E-01	2.09E-03	2.31E-07	3.27E-03	8.66E-02	6.42E-02	9.96E-03	7.71E-03	8.57E-01
2033	494861.06	3859501.99	0.14449	0.04918	0.09592	0.1314	0.41519	1.04753	0.061	0.04918	6.93E-01	2.09E-03	2.30E-07	3.18E-03	8.95E-02	6.78E-02	9.96E-03	7.70E-03	8.58E-01
2034	494911.06	3859501.99	0.1435	0.04938	0.09618	0.13005	0.42995	1.10306	0.061	0.04938	6.89E-01	2.10E-03	2.31E-07	3.15E-03	9.27E-02	7.14E-02	9.95E-03	7.74E-03	8.60E-01
2035	494961.06	3859501.99	0.14248	0.0492	0.09483	0.12493	0.40816	0.95982	0.0609	0.0492	6.84E-01	2.09E-03	2.27E-07	3.03E-03	8.80E-02	6.21E-02	9.94E-03	7.71E-03	8.41E-01
2036	495011.06	3859501.99	0.14148	0.04945	0.09496	0.12472	0.41304	0.80068	0.0608	0.04945	6.79E-01	2.10E-03	2.28E-07	3.02E-03	8.91E-02	5.18E-02	9.92E-03	7.75E-03	8.27E-01
2037	495061.06	3859501.99	0.14048	0.04973	0.09505	0.12671	0.41131	0.68628	0.0607	0.04973	6.74E-01	2.12E-03	2.28E-07	3.07E-03	8.87E-02	4.44E-02	9.91E-03	7.79E-03	8.15E-01
2038	495111.06	3859501.99	0.14011	0.04962	0.09352	0.12524	0.41587	0.58147	0.0606	0.04962	6.72E-01	2.11E-03	2.24E-07	3.03E-03	8.97E-02	3.76E-02	9.89E-03	7.77E-03	8.07E-01
2039	495161.06	3859501.99	0.13913	0.04994	0.09352	0.12616	0.39425	0.48805	0.0604	0.04994	6.68E-01	2.12E-03	2.24E-07	3.06E-03	8.50E-02	3.16E-02	9.86E-03	7.82E-03	7.91E-01
2040	495211.06	3859501.99	0.13815	0.05044	0.09395	0.12533	0.37329	0.43786	0.0602	0.05044	6.63E-01	2.15E-03	2.25E-07	3.04E-03	8.05E-02	2.83E-02	9.82E-03	7.90E-03	7.79E-01
2041	495261.06	3859501.99	0.13716	0.05075	0.09317	0.12421	0.34983	0.40173	0.059	0.05075	6.58E-01	2.16E-03	2.23E-07	3.01E-03	7.54E-02	2.60E-02	9.63E-03	7.95E-03	7.67E-01
2042	495311.06	3859501.99	0.13617	0.05115	0.09277	0.1232	0.32794	0.37677	0.0563	0.05115	6.53E-01	2.18E-03	2.22E-07	2.98E-03	7.07E-02	2.44E-02	9.18E-03	8.01E-03	7.55E-01
2043	495361.06	3859501.99	0.13517	0.05141	0.0917	0.122	0.30463	0.33734	0.0535	0.05141	6.49E-01	2.19E-03	2.20E-07	2.96E-03	6.57E-02	2.18E-02	8.73E-03	8.05E-03	7.42E-01
2044	495411.06	3859501.99	0.13417	0.05155	0.09075	0.12084	0.28238	0.31644	0.0526	0.05155	6.44E-01	2.19E-03	2.18E-07	2.93E-03	6.09E-02	2.05E-02	8.59E-03	8.08E-03	7.31E-01
2045	495461.06	3859501.99	0.13316	0.04884	0.08939	0.11958	0.28257	0.31455	0.0527	0.04884	6.39E-01	2.08E-03	2.14E-07	2.90E-03	6.09E-02	2.04E-02	8.60E-03	7.65E-03	7.26E-01
2046	495511.06	3859501.99	0.13208	0.04551	0.08695	0.1152	0.28512	0.27568	0.0522	0.04551	6.34E-01	1.94E-03	2.09E-07	2.79E-03	6.15E-02	1.78E-02	8.51E-03	7.13E-03	7.19E-01
2047	495561.06	3859501.99	0.13106	0.0438	0.08793	0.11528	0.2905	0.266	0.0522	0.0438	6.29E-01	1.86E-03	2.11E-07	2.79E-03	6.27E-02	1.72E-02	8.51E-03	6.86E-03	7.15E-01
2048	495611.06	3859501.99	0.13014	0.04344	0.08637	0.11276	0.29402	0.24798	0.0521	0.04344	6.25E-01	1.85E-03	2.07E-07	2.73E-03	6.34E-02	1.60E-02	8.51E-03	6.80E-03	7.10E-01

2049	495661.06	3859501.99	0.12956	0.04305	0.08456	0.11002	0.29675	0.2377	0.0521	0.04305	6.22E-01	1.83E-03	2.03E-07	2.67E-03	6.40E-02	1.54E-02	8.50E-03	6.74E-03	7.07E-01
2050	494311.06	3859551.99	0.15369	0.06109	0.14204	0.15801	0.32574	0.56318	0.0635	0.06109	7.38E-01	2.60E-03	3.41E-07	3.83E-03	7.03E-02	3.64E-02	1.04E-02	9.57E-03	8.51E-01
2051	494361.06	3859551.99	0.15327	0.05781	0.13318	0.15488	0.32991	0.74934	0.0615	0.05781	7.36E-01	2.46E-03	3.19E-07	3.75E-03	7.12E-02	4.85E-02	1.00E-02	9.06E-03	8.62E-01
2052	494411.06	3859551.99	0.15314	0.05426	0.12045	0.15039	0.32215	1.1325	0.0616	0.05426	7.35E-01	2.31E-03	2.89E-07	3.64E-03	6.95E-02	7.33E-02	1.01E-02	8.50E-03	8.85E-01
2053	494461.06	3859551.99	0.15208	0.05588	0.12591	0.15059	0.32036	1.7609	0.0611	0.05588	7.30E-01	2.38E-03	3.02E-07	3.65E-03	6.91E-02	1.14E-01	9.98E-03	8.75E-03	9.20E-01
2054	494511.06	3859551.99	0.15146	0.05425	0.11983	0.1484	0.31827	2.16392	0.0609	0.05425	7.27E-01	2.31E-03	2.87E-07	3.60E-03	6.86E-02	1.40E-01	9.94E-03	8.50E-03	9.43E-01
2055	494561.06	3859551.99	0.15071	0.0532	0.116	0.14495	0.31512	2.05653	0.0607	0.0532	7.23E-01	2.26E-03	2.78E-07	3.51E-03	6.80E-02	1.33E-01	9.90E-03	8.33E-03	9.32E-01
2056	494611.06	3859551.99	0.14984	0.05295	0.11516	0.14195	0.31107	2.1811	0.0605	0.05295	7.19E-01	2.25E-03	2.76E-07	3.44E-03	6.71E-02	1.41E-01	9.87E-03	8.29E-03	9.35E-01
2057	494661.06	3859551.99	0.14904	0.05227	0.11238	0.13915	0.31431	2.23294	0.0604	0.05227	7.15E-01	2.22E-03	2.70E-07	3.37E-03	6.78E-02	1.44E-01	9.85E-03	8.19E-03	9.35E-01
2058	494711.06	3859551.99	0.14852	0.05065	0.10285	0.13575	0.3148	2.20619	0.0607	0.05065	7.13E-01	2.16E-03	2.47E-07	3.29E-03	6.79E-02	1.43E-01	9.91E-03	7.93E-03	9.31E-01
2059	494761.06	3859551.99	0.14747	0.05097	0.10519	0.13536	0.34125	2.30143	0.0611	0.05097	7.08E-01	2.17E-03	2.52E-07	3.28E-03	7.36E-02	1.49E-01	9.97E-03	7.98E-03	9.38E-01
2060	494811.06	3859551.99	0.14675	0.05011	0.09787	0.13247	0.34714	2.21261	0.0605	0.05011	7.04E-01	2.13E-03	2.35E-07	3.21E-03	7.49E-02	1.43E-01	9.88E-03	7.85E-03	9.30E-01
2061	494861.06	3859551.99	0.14581	0.05005	0.09555	0.1309	0.36209	2.15842	0.0605	0.05005	7.00E-01	2.13E-03	2.29E-07	3.17E-03	7.81E-02	1.40E-01	9.87E-03	7.84E-03	9.25E-01
2062	494911.06	3859551.99	0.14486	0.04987	0.09423	0.1291	0.37471	1.27776	0.0604	0.04987	6.95E-01	2.12E-03	2.26E-07	3.13E-03	8.08E-02	8.27E-02	9.86E-03	7.81E-03	8.66E-01
2063	494961.06	3859551.99	0.14391	0.05008	0.09238	0.1279	0.39252	0.84372	0.0603	0.05008	6.91E-01	2.13E-03	2.22E-07	3.10E-03	8.47E-02	5.46E-02	9.85E-03	7.85E-03	8.37E-01
2064	495011.06	3859551.99	0.14297	0.05039	0.09209	0.12685	0.41168	0.67929	0.0602	0.05039	6.86E-01	2.14E-03	2.21E-07	3.07E-03	8.88E-02	4.40E-02	9.83E-03	7.89E-03	8.26E-01
2065	495061.06	3859551.99	0.142	0.05044	0.09089	0.12545	0.42516	0.5681	0.0602	0.05044	6.81E-01	2.15E-03	2.18E-07	3.04E-03	9.17E-02	3.68E-02	9.82E-03	7.90E-03	8.17E-01
2066	495111.06	3859551.99	0.14101	0.05034	0.0899	0.12472	0.40485	0.48945	0.0601	0.05034	6.77E-01	2.14E-03	2.16E-07	3.02E-03	8.73E-02	3.17E-02	9.81E-03	7.89E-03	8.03E-01
2067	495161.06	3859551.99	0.14006	0.05069	0.08971	0.12751	0.4096	0.44346	0.0599	0.05069	6.72E-01	2.16E-03	2.15E-07	3.09E-03	8.83E-02	2.87E-02	9.78E-03	7.94E-03	7.96E-01
2068	495211.06	3859551.99	0.13909	0.05116	0.08973	0.12972	0.40754	0.40547	0.0597	0.05116	6.67E-01	2.18E-03	2.15E-07	3.14E-03	8.79E-02	2.62E-02	9.75E-03	8.01E-03	7.89E-01
2069	495261.06	3859551.99	0.1381	0.05123	0.0889	0.12654	0.41422	0.36924	0.0596	0.05123	6.63E-01	2.18E-03	2.13E-07	3.07E-03	8.93E-02	2.39E-02	9.73E-03	8.03E-03	7.83E-01
2070	495311.06	3859551.99	0.13712	0.05143	0.08832	0.12432	0.4052	0.34588	0.0594	0.05143	6.58E-01	2.19E-03	2.12E-07	3.01E-03	8.74E-02	2.24E-02	9.69E-03	8.06E-03	7.75E-01
2071	495361.06	3859551.99	0.13613	0.05172	0.08745	0.12275	0.38149	0.32474	0.0585	0.05172	6.53E-01	2.20E-03	2.10E-07	2.97E-03	8.23E-02	2.10E-02	9.55E-03	8.10E-03	7.63E-01
2072	495411.06	3859551.99	0.13515	0.05211	0.08714	0.12181	0.35925	0.31254	0.0559	0.05211	6.49E-01	2.22E-03	2.09E-07	2.95E-03	7.75E-02	2.02E-02	9.12E-03	8.16E-03	7.52E-01
2073	495461.06	3859551.99	0.13413	0.05203	0.08538	0.11712	0.33149	0.29009	0.053	0.05203	6.44E-01	2.21E-03	2.05E-07	2.84E-03	7.15E-02	1.88E-02	8.65E-03	8.15E-03	7.39E-01
2074	495511.06	3859551.99	0.13433	0.05078	0.08462	0.11493	0.30398	0.27471	0.0527	0.05078	6.45E-01	2.16E-03	2.03E-07	2.78E-03	6.56E-02	1.78E-02	8.60E-03	7.95E-03	7.34E-01
2075	495561.06	3859551.99	0.13336	0.04816	0.08387	0.11389	0.28113	0.26052	0.0527	0.04816	6.40E-01	2.05E-03	2.01E-07	2.76E-03	6.06E-02	1.69E-02	8.61E-03	7.54E-03	7.23E-01
2076	495611.06	3859551.99	0.13238	0.04559	0.08312	0.11284	0.27376	0.23956	0.0528	0.04559	6.35E-01	1.94E-03	1.99E-07	2.73E-03	5.90E-02	1.55E-02	8.61E-03	7.14E-03	7.16E-01
2077	495661.06	3859551.99	0.1314	0.0443	0.08234	0.11169	0.27827	0.22971	0.0516	0.0443	6.31E-01	1.88E-03	1.97E-07	2.71E-03	6.00E-02	1.49E-02	8.43E-03	6.94E-03	7.12E-01
2078	494311.06	3859601.99	0.1533	0.06498	0.14898	0.1614	0.31525	0.71531	0.066	0.06498	7.36E-01	2.76E-03	3.57E-07	3.91E-03	6.80E-02	4.63E-02	1.08E-02	1.02E-02	8.57E-01
2079	494361.06	3859601.99	0.15354	0.05996	0.13385	0.15371	0.31395	1.05307	0.0626	0.05996	7.37E-01	2.55E-03	3.21E-07	3.72E-03	6.77E-02	6.81E-02	1.02E-02	9.39E-03	8.80E-01
2080	494411.06	3859601.99	0.15321	0.058	0.1288	0.15069	0.31407	1.50059	0.0612	0.058	7.35E-01	2.47E-03	3.09E-07	3.65E-03	6.77E-02	9.71E-02	9.99E-03	9.09E-03	9.07E-01
2081	494461.06	3859601.99	0.15215	0.05913	0.12968	0.15337	0.31442	1.36723	0.0621	0.05913	7.30E-01	2.52E-03	3.11E-07	3.72E-03	6.78E-02	8.85E-02	1.01E-02	9.26E-03	8.94E-01
2082	494511.06	3859601.99	0.1518	0.05645	0.12443	0.15014	0.31543	1.08516	0.0607	0.05645	7.28E-01	2.40E-03	2.98E-07	3.64E-03	6.80E-02	7.02E-02	9.90E-03	8.84E-03	8.74E-01
2083	494561.06	3859601.99	0.15085	0.057	0.12446	0.14944	0.3144	0.9871	0.0607	0.057	7.24E-01	2.43E-03	2.98E-07	3.62E-03	6.78E-02	6.39E-02	9.90E-03	8.93E-03	8.63E-01
2084	494611.06	3859601.99	0.15001	0.05683	0.12331	0.1483	0.31113	0.94109	0.0606	0.05683	7.20E-01	2.42E-03	2.96E-07	3.59E-03	6.71E-02	6.09E-02	9.89E-03	8.90E-03	8.55E-01
2085	494661.06	3859601.99	0.14959	0.05367	0.11713	0.14114	0.31108	0.97644	0.0599	0.05367	7.18E-01	2.28E-03	2.81E-07	3.42E-03	6.71E-02	6.32E-02	9.78E-03	8.41E-03	8.55E-01
2086	494711.06	3859601.99	0.1491	0.05205	0.11265	0.1355	0.30805	1.01586	0.0607	0.05205	7.16E-01	2.21E-03	2.70E-07	3.28E-03	6.64E-02	6.57E-02	9.91E-03	8.15E-03	8.55E-01
2087	494761.06	3859601.99	0.14792	0.05379	0.11565	0.14138	0.30396	0.84872	0.0594	0.05379	7.10E-01	2.29E-03	2.77E-07	3.43E-03	6.56E-02	5.49E-02	9.70E-03	8.43E-03	8.37E-01
2088	494811.06	3859601.99	0.14739	0.05146	0.11019	0.13445	0.29932	0.80462	0.0603	0.05146	7.07E-01	2.19E-03	2.64E-07	3.26E-03	6.46E-02	5.21E-02	9.85E-03	8.06E-03	8.31E-01
2089	494861.06	3859601.99	0.14656	0.05107	0.10832	0.13263	0.3095	0.72609	0.0597	0.05107	7.03E-01	2.17E-03	2.60E-07	3.21E-03	6.68E-02	4.70E-02	9.75E-03	8.00E-03	8.24E-01
2090	494911.06	3859601.99	0.14582	0.05044	0.10448	0.12781	0.31918	0.6986	0.0597	0.05044	7.00E-01	2.15E-03	2.51E-07	3.10E-03	6.88E-02	4.52E-02	9.74E-03	7.90E-03	8.21E-01
2091	494961.06	3859601.99	0.14483	0.05115	0.10533	0.12944	0.3428	0.64237	0.0595	0.05115	6.95E-01	2.18E-03	2.53E-07	3.14E-03	7.39E-02	4.16E-02	9.71E-03	8.01E-03	8.18E-01
2092	495011.06	3859601.99	0.14406	0.05058	0.09977	0.12444	0.35149	0.5819	0.0595	0.05058	6.91E-01	2.15E-03	2.39E-07	3.01E-03	7.58E-02	3.77E-02	9.71E-03	7.92E-03	8.12E-01
2093	495061.06	3859601.99	0.14311	0.05104	0.09951	0.12395	0.37233	0.49272	0.0593	0.05104	6.87E-01	2.17E-03	2.39E-07	3.00E-03	8.03E-02	3.19E-02	9.69E-03	8.00E-03	8.06E-01
2094	495111.06	3859601.99	0.14221	0.05082	0.09468	0.12202	0.38465	0.44865	0.0593	0.05082	6.82E-01	2.16E-03	2.27E-07	2.96E-03	8.30E-02	2.90E-02	9.68E-03	7.96E-03	8.01E-01
2095	495161.06	3859601.99	0.14127	0.05118	0.09549	0.12494	0.40408	0.3957	0.0592	0.05118	6.78E-01	2.18E-03	2.29E-07	3.03E-03	8.71E-02	2.56E-02	9.65E-03	8.02E-03	7.98E-01
2096	495211.06	3859601.99	0.14032	0.05135	0.09604	0.12652	0.42019	0.37036	0.059	0.05135	6.73E-01	2.18E-03	2.30E-07	3.07E-03	9.06E-02	2.40E-02	9.63E-03	8.04E-03	7.95E-01
2097	495261.06	3859601.99	0.13936	0.05163	0.09555	0.12887	0.40244	0.34633	0.0588	0.05163	6.69E-01	2.20E-03	2.29E-07	3.12E-03	8.68E-02	2.24E-02	9.60E-03	8.09E-03	7.85E-01
2098	495311.06	3859601.99	0.1384	0.05197	0.09477	0.13154	0.40646	0.32377	0.0586	0.05197	6.64E-01	2.21E-03	2.27E-07	3.19E-03	8.77E-02	2.09E-02	9.57E-03	8.14E-03	7.80E-01
2099	495361.06	3859601.99	0.13743	0.0521	0.09325	0.13266	0.4007	0.31619	0.0585	0.0521	6.60E-01	2.22E-03	2.24E-07	3.21E-03	8.64E-02	2.05E-02	9.54E-03	8.16E-03	7.73E-01
2100	495411.06	3859601.99	0.13646	0.05241	0.09238	0.1334	0.409	0.31751	0.0582	0.05241	6.55E-01	2.23E-03	2.22E-07	3.23E-03	8.82E-02	2.05E-02	9.50E-03	8.21E-03	7.70E-01
2101	495461.06	3859601.99	0.13545	0.05212	0.08933	0.12803	0.4066	0.28969	0.0579	0.05212	6.50E-01	2.22E-03	2.14E-07	3.10E-03	8.77E-02	1.87E-02	9.45E-03	8.16E-03	7.63E-01
2102	495511.06	3859601.99	0.13444	0.05194	0.08694	0.12281	0.37771	0.25605	0.055	0.05194	6.45E-01	2.21E-03	2.09E-07	2.98E-03	8.15E-02	1.66E-02	8.98E-03	8.14E-03	7.49E-01
2103	495561.06	3859601.99	0.13346	0.05241	0.08638	0.12271	0.35713	0.24434	0.0531	0.05241	6.40E-01	2.23E-03	2.07E-07	2.97E-03	7.70E-02	1.58E-02	8.66E-03	8.21E-03	7.39E-01
2104	495611.06	3859601.99	0.13242	0.05027	0.08333	0.11658	0.32756	0.23507	0.0527	0.05027	6.35E-01	2.14E-03	2.00E-07	2.82E-03	7.06E-02	1.52E-02	8.60E-03	7.87E-03	7.27E-01
2105	495661.06	3859601.99	0.13142	0.04785	0.08349	0.11519	0.30611	0.2296	0.0528	0.04785	6.31E-01	2.04E-03	2.00E-07	2.79E-03	6.60E-02	1.49E-02	8.62E-03	7.50E-03	7.18E-01

2106	494311.06	3859651.99	0.15301	0.06647	0.15688	0.15323	0.38469	0.75732	0.0673	0.06647	7.34E-01	2.83E-03	3.76E-07	3.71E-03	8.30E-02	4.90E-02	1.10E-02	1.04E-02	8.73E-01
2107	494361.06	3859651.99	0.15332	0.06279	0.14775	0.1475	0.34544	0.92499	0.0641	0.06279	7.36E-01	2.67E-03	3.54E-07	3.57E-03	7.45E-02	5.98E-02	1.05E-02	9.84E-03	8.77E-01
2108	494411.06	3859651.99	0.15278	0.06171	0.14555	0.14573	0.3144	1.20911	0.0634	0.06171	7.33E-01	2.63E-03	3.49E-07	3.53E-03	6.78E-02	7.82E-02	1.04E-02	9.67E-03	8.86E-01
2109	494461.06	3859651.99	0.15175	0.06275	0.14555	0.15055	0.30818	1.15646	0.0642	0.06275	7.28E-01	2.67E-03	3.49E-07	3.65E-03	6.65E-02	7.48E-02	1.05E-02	9.83E-03	8.76E-01
2110	494511.06	3859651.99	0.15124	0.06142	0.14413	0.15049	0.30518	0.82527	0.0633	0.06142	7.26E-01	2.61E-03	3.46E-07	3.65E-03	6.58E-02	5.34E-02	1.03E-02	9.62E-03	8.52E-01
2111	494561.06	3859651.99	0.15054	0.06093	0.1432	0.15259	0.30588	0.72847	0.063	0.06093	7.22E-01	2.59E-03	3.43E-07	3.70E-03	6.60E-02	4.71E-02	1.03E-02	9.54E-03	8.43E-01
2112	494611.06	3859651.99	0.14986	0.0603	0.14216	0.15075	0.30682	0.66964	0.0626	0.0603	7.19E-01	2.57E-03	3.41E-07	3.65E-03	6.62E-02	4.33E-02	1.02E-02	9.45E-03	8.36E-01
2113	494661.06	3859651.99	0.14966	0.05606	0.12808	0.14629	0.30828	0.5943	0.0598	0.05606	7.18E-01	2.39E-03	3.07E-07	3.54E-03	6.65E-02	3.85E-02	9.75E-03	8.78E-03	8.30E-01
2114	494711.06	3859651.99	0.1489	0.05567	0.12619	0.14251	0.30755	0.53918	0.0595	0.05567	7.15E-01	2.37E-03	3.03E-07	3.45E-03	6.63E-02	3.49E-02	9.72E-03	8.72E-03	8.23E-01
2115	494761.06	3859651.99	0.14811	0.05621	0.12591	0.14266	0.29805	0.48488	0.0599	0.05621	7.11E-01	2.39E-03	3.02E-07	3.46E-03	6.43E-02	3.14E-02	9.78E-03	8.81E-03	8.13E-01
2116	494811.06	3859651.99	0.14753	0.05457	0.12164	0.13926	0.30413	0.46987	0.0588	0.05457	7.08E-01	2.32E-03	2.92E-07	3.37E-03	6.56E-02	3.04E-02	9.59E-03	8.55E-03	8.11E-01
2117	494861.06	3859651.99	0.14672	0.05419	0.11979	0.13865	0.30102	0.46402	0.0585	0.05419	7.04E-01	2.31E-03	2.87E-07	3.36E-03	6.49E-02	3.00E-02	9.55E-03	8.49E-03	8.06E-01
2118	494911.06	3859651.99	0.14599	0.0533	0.11684	0.13643	0.29728	0.45689	0.0583	0.0533	7.01E-01	2.27E-03	2.80E-07	3.31E-03	6.41E-02	2.96E-02	9.52E-03	8.35E-03	8.01E-01
2119	494961.06	3859651.99	0.14517	0.05282	0.11477	0.13507	0.29271	0.46569	0.0582	0.05282	6.97E-01	2.25E-03	2.75E-07	3.27E-03	6.31E-02	3.01E-02	9.50E-03	8.27E-03	7.97E-01
2120	495011.06	3859651.99	0.14438	0.0521	0.11222	0.13304	0.3021	0.44791	0.0583	0.0521	6.93E-01	2.22E-03	2.69E-07	3.22E-03	6.52E-02	2.90E-02	9.51E-03	8.16E-03	7.94E-01
2121	495061.06	3859651.99	0.1435	0.05192	0.1108	0.13216	0.31935	0.42682	0.058	0.05192	6.89E-01	2.21E-03	2.66E-07	3.20E-03	6.89E-02	2.76E-02	9.46E-03	8.13E-03	7.92E-01
2122	495111.06	3859651.99	0.14269	0.05146	0.10795	0.1299	0.33321	0.38283	0.0582	0.05146	6.85E-01	2.19E-03	2.59E-07	3.15E-03	7.19E-02	2.48E-02	9.50E-03	8.06E-03	7.88E-01
2123	495161.06	3859651.99	0.14182	0.05155	0.10607	0.12828	0.34949	0.36097	0.0585	0.05155	6.81E-01	2.19E-03	2.54E-07	3.11E-03	7.54E-02	2.34E-02	9.55E-03	8.08E-03	7.86E-01
2124	495211.06	3859651.99	0.1409	0.05178	0.10454	0.12695	0.36726	0.35826	0.0579	0.05178	6.76E-01	2.20E-03	2.51E-07	3.08E-03	7.92E-02	2.32E-02	9.45E-03	8.11E-03	7.85E-01
2125	495261.06	3859651.99	0.14001	0.05186	0.10166	0.12556	0.38324	0.32576	0.0579	0.05186	6.72E-01	2.21E-03	2.44E-07	3.04E-03	8.27E-02	2.11E-02	9.46E-03	8.12E-03	7.82E-01
2126	495311.06	3859651.99	0.13909	0.05204	0.09941	0.12726	0.40029	0.29889	0.0576	0.05204	6.67E-01	2.21E-03	2.38E-07	3.08E-03	8.63E-02	1.93E-02	9.40E-03	8.15E-03	7.80E-01
2127	495361.06	3859651.99	0.13814	0.05228	0.09799	0.12933	0.4154	0.28366	0.0574	0.05228	6.63E-01	2.22E-03	2.35E-07	3.13E-03	8.96E-02	1.84E-02	9.37E-03	8.19E-03	7.77E-01
2128	495411.06	3859651.99	0.13722	0.05239	0.09699	0.13045	0.39783	0.27169	0.0573	0.05239	6.59E-01	2.23E-03	2.33E-07	3.16E-03	8.58E-02	1.76E-02	9.34E-03	8.21E-03	7.68E-01
2129	495461.06	3859651.99	0.13634	0.0521	0.09433	0.12865	0.39671	0.26483	0.0573	0.0521	6.54E-01	2.22E-03	2.26E-07	3.12E-03	8.56E-02	1.71E-02	9.36E-03	8.16E-03	7.64E-01
2130	495511.06	3859651.99	0.13535	0.05196	0.09157	0.12767	0.3916	0.25713	0.0573	0.05196	6.50E-01	2.21E-03	2.20E-07	3.09E-03	8.45E-02	1.66E-02	9.35E-03	8.14E-03	7.57E-01
2131	495561.06	3859651.99	0.13438	0.05221	0.09071	0.12959	0.3977	0.24072	0.057	0.05221	6.45E-01	2.22E-03	2.18E-07	3.14E-03	8.58E-02	1.56E-02	9.30E-03	8.18E-03	7.53E-01
2132	495611.06	3859651.99	0.13337	0.05229	0.08919	0.12965	0.40421	0.2358	0.0546	0.05229	6.40E-01	2.22E-03	2.14E-07	3.14E-03	8.72E-02	1.53E-02	8.92E-03	8.19E-03	7.49E-01
2133	495661.06	3859651.99	0.13237	0.0523	0.08745	0.12614	0.37864	0.22734	0.0528	0.0523	6.35E-01	2.23E-03	2.10E-07	3.06E-03	8.17E-02	1.47E-02	8.61E-03	8.19E-03	7.37E-01
2134	494311.06	3859701.99	0.15313	0.06577	0.14407	0.14987	0.45031	0.72554	0.0657	0.06577	7.35E-01	2.80E-03	3.46E-07	3.63E-03	9.71E-02	4.69E-02	1.07E-02	1.03E-02	8.86E-01
2135	494361.06	3859701.99	0.15283	0.06461	0.14284	0.14619	0.4165	0.83183	0.0648	0.06461	7.33E-01	2.75E-03	3.43E-07	3.54E-03	8.98E-02	5.38E-02	1.06E-02	1.01E-02	8.84E-01
2136	494411.06	3859701.99	0.15211	0.06448	0.14247	0.14328	0.3861	1.09372	0.0648	0.06448	7.30E-01	2.74E-03	3.42E-07	3.47E-03	8.33E-02	7.08E-02	1.06E-02	1.01E-02	8.91E-01
2137	494461.06	3859701.99	0.15089	0.06602	0.14976	0.14613	0.36115	1.02337	0.0662	0.06602	7.24E-01	2.81E-03	3.59E-07	3.54E-03	7.79E-02	6.62E-02	1.08E-02	1.03E-02	8.75E-01
2138	494511.06	3859701.99	0.15037	0.06533	0.14788	0.14603	0.3312	0.75977	0.0655	0.06533	7.22E-01	2.78E-03	3.55E-07	3.54E-03	7.14E-02	4.92E-02	1.07E-02	1.02E-02	8.49E-01
2139	494561.06	3859701.99	0.14969	0.06495	0.14725	0.14711	0.3038	0.5775	0.0653	0.06495	7.18E-01	2.76E-03	3.53E-07	3.56E-03	6.55E-02	3.74E-02	1.07E-02	1.02E-02	8.28E-01
2140	494611.06	3859701.99	0.14903	0.06439	0.14863	0.14905	0.29862	0.51931	0.0649	0.06439	7.15E-01	2.74E-03	3.56E-07	3.61E-03	6.44E-02	3.36E-02	1.06E-02	1.01E-02	8.20E-01
2141	494661.06	3859701.99	0.14918	0.06008	0.13825	0.14165	0.29854	0.46271	0.0619	0.06008	7.16E-01	2.56E-03	3.32E-07	3.43E-03	6.44E-02	2.99E-02	1.01E-02	9.41E-03	8.17E-01
2142	494711.06	3859701.99	0.14828	0.06052	0.13908	0.14622	0.29949	0.41851	0.0623	0.06052	7.12E-01	2.58E-03	3.34E-07	3.54E-03	6.46E-02	2.71E-02	1.02E-02	9.48E-03	8.10E-01
2143	494761.06	3859701.99	0.14776	0.05905	0.13549	0.14301	0.30083	0.40218	0.0613	0.05905	7.09E-01	2.51E-03	3.25E-07	3.46E-03	6.49E-02	2.60E-02	1.00E-02	9.25E-03	8.07E-01
2144	494811.06	3859701.99	0.14721	0.05754	0.13094	0.139	0.30066	0.37056	0.0602	0.05754	7.06E-01	2.45E-03	3.14E-07	3.37E-03	6.48E-02	2.40E-02	9.83E-03	9.01E-03	8.02E-01
2145	494861.06	3859701.99	0.14626	0.05813	0.13325	0.14058	0.30005	0.35978	0.0607	0.05813	7.02E-01	2.47E-03	3.20E-07	3.41E-03	6.47E-02	2.33E-02	9.90E-03	9.11E-03	7.97E-01
2146	494911.06	3859701.99	0.1456	0.05705	0.13	0.1397	0.28991	0.35696	0.06	0.05705	6.99E-01	2.43E-03	3.12E-07	3.38E-03	6.25E-02	2.31E-02	9.79E-03	8.94E-03	7.91E-01
2147	494961.06	3859701.99	0.14491	0.05605	0.12683	0.13871	0.29685	0.35553	0.0593	0.05605	6.95E-01	2.38E-03	3.04E-07	3.36E-03	6.40E-02	2.30E-02	9.68E-03	8.78E-03	7.89E-01
2148	495011.06	3859701.99	0.14407	0.05584	0.1261	0.13864	0.29372	0.35602	0.0592	0.05584	6.91E-01	2.38E-03	3.02E-07	3.36E-03	6.33E-02	2.30E-02	9.66E-03	8.75E-03	7.84E-01
2149	495061.06	3859701.99	0.14329	0.05515	0.12366	0.13771	0.29011	0.35716	0.0587	0.05515	6.88E-01	2.35E-03	2.97E-07	3.34E-03	6.26E-02	2.31E-02	9.58E-03	8.64E-03	7.80E-01
2150	495111.06	3859701.99	0.1425	0.05443	0.121	0.13655	0.28583	0.35331	0.0582	0.05443	6.84E-01	2.32E-03	2.90E-07	3.31E-03	6.16E-02	2.29E-02	9.50E-03	8.53E-03	7.75E-01
2151	495161.06	3859701.99	0.14171	0.05355	0.11769	0.13497	0.29622	0.35839	0.0576	0.05355	6.80E-01	2.28E-03	2.82E-07	3.27E-03	6.39E-02	2.32E-02	9.40E-03	8.39E-03	7.74E-01
2152	495211.06	3859701.99	0.14092	0.05268	0.11473	0.13308	0.30988	0.33026	0.057	0.05268	6.76E-01	2.24E-03	2.75E-07	3.22E-03	6.68E-02	2.14E-02	9.30E-03	8.25E-03	7.71E-01
2153	495261.06	3859701.99	0.13996	0.05296	0.11454	0.13284	0.32914	0.3011	0.0572	0.05296	6.72E-01	2.25E-03	2.75E-07	3.22E-03	7.10E-02	1.95E-02	9.33E-03	8.30E-03	7.69E-01
2154	495311.06	3859701.99	0.13912	0.05225	0.1116	0.13084	0.34369	0.29919	0.0566	0.05225	6.68E-01	2.22E-03	2.68E-07	3.17E-03	7.41E-02	1.94E-02	9.24E-03	8.19E-03	7.68E-01
2155	495361.06	3859701.99	0.13826	0.05196	0.10792	0.12886	0.35884	0.28939	0.0561	0.05196	6.63E-01	2.21E-03	2.59E-07	3.12E-03	7.74E-02	1.87E-02	9.16E-03	8.14E-03	7.66E-01
2156	495411.06	3859701.99	0.13743	0.05178	0.10328	0.12606	0.37164	0.2823	0.0564	0.05178	6.60E-01	2.20E-03	2.48E-07	3.05E-03	8.02E-02	1.83E-02	9.20E-03	8.11E-03	7.64E-01
2157	495461.06	3859701.99	0.13654	0.05179	0.0999	0.12372	0.38622	0.27181	0.0563	0.05179	6.55E-01	2.20E-03	2.40E-07	3.00E-03	8.33E-02	1.76E-02	9.18E-03	8.11E-03	7.62E-01
2158	495511.06	3859701.99	0.13571	0.05132	0.09293	0.12061	0.39445	0.25269	0.0565	0.05132	6.51E-01	2.18E-03	2.23E-07	2.92E-03	8.51E-02	1.63E-02	9.22E-03	8.04E-03	7.59E-01
2159	495561.06	3859701.99	0.13469	0.05191	0.09365	0.12493	0.39017	0.24058	0.0561	0.05191	6.46E-01	2.21E-03	2.25E-07	3.03E-03	8.41E-02	1.56E-02	9.16E-03	8.13E-03	7.52E-01
2160	495611.06	3859701.99	0.13376	0.052	0.094	0.12569	0.38713	0.23151	0.0559	0.052	6.42E-01	2.21E-03	2.25E-07	3.05E-03	8.35E-02	1.50E-02	9.13E-03	8.15E-03	7.47E-01
2161	495661.06	3859701.99	0.1328	0.05204	0.09405	0.12603	0.38762	0.22468	0.0558	0.05204	6.37E-01	2.21E-03	2.26E-07	3.05E-03	8.36E-02	1.45E-02	9.11E-03	8.15E-03	7.42E-01
2162	494311.06	3859751.99	0.15143	0.07069	0.13739	0.15062	0.41903	0.64848	0.0684	0.07069	7.27E-01	3.01E-03	3.30E-07	3.65E-03	9.04E-02	4.20E-02	1.12E-02	1.11E-02	8.66E-01

2163	494361.06	3859751.99	0.15101	0.06964	0.13802	0.14705	0.43372	0.79216	0.0677	0.06964	7.25E-01	2.96E-03	3.31E-07	3.56E-03	9.35E-02	5.13E-02	1.10E-02	1.09E-02	8.76E-01
2164	494411.06	3859751.99	0.15071	0.06795	0.13699	0.14349	0.44796	1.08567	0.0665	0.06795	7.23E-01	2.89E-03	3.29E-07	3.48E-03	9.66E-02	7.02E-02	1.09E-02	1.06E-02	8.97E-01
2165	494461.06	3859751.99	0.14962	0.06879	0.14339	0.14489	0.43025	0.98549	0.0676	0.06879	7.18E-01	2.93E-03	3.44E-07	3.51E-03	9.28E-02	6.38E-02	1.10E-02	1.08E-02	8.81E-01
2166	494511.06	3859751.99	0.14876	0.06884	0.14442	0.14629	0.40214	0.7459	0.068	0.06884	7.14E-01	2.93E-03	3.46E-07	3.54E-03	8.67E-02	4.83E-02	1.11E-02	1.08E-02	8.56E-01
2167	494561.06	3859751.99	0.14827	0.06775	0.14281	0.14398	0.37281	0.54476	0.0673	0.06775	7.12E-01	2.88E-03	3.43E-07	3.49E-03	8.04E-02	3.52E-02	1.10E-02	1.06E-02	8.34E-01
2168	494611.06	3859751.99	0.14793	0.06657	0.14017	0.1404	0.34267	0.47108	0.0661	0.06657	7.10E-01	2.83E-03	3.36E-07	3.40E-03	7.39E-02	3.05E-02	1.08E-02	1.04E-02	8.21E-01
2169	494661.06	3859751.99	0.14784	0.06347	0.13302	0.13825	0.30983	0.40716	0.0635	0.06347	7.09E-01	2.70E-03	3.19E-07	3.35E-03	6.68E-02	2.63E-02	1.04E-02	9.94E-03	8.09E-01
2170	494711.06	3859751.99	0.14703	0.06456	0.13558	0.14134	0.29448	0.38053	0.0642	0.06456	7.06E-01	2.75E-03	3.25E-07	3.42E-03	6.35E-02	2.46E-02	1.05E-02	1.01E-02	8.00E-01
2171	494761.06	3859751.99	0.14632	0.06417	0.13643	0.1439	0.2913	0.35836	0.0639	0.06417	7.02E-01	2.73E-03	3.27E-07	3.49E-03	6.28E-02	2.32E-02	1.04E-02	1.01E-02	7.95E-01
2172	494811.06	3859751.99	0.14581	0.06285	0.13347	0.1434	0.29031	0.3402	0.063	0.06285	7.00E-01	2.67E-03	3.20E-07	3.47E-03	6.26E-02	2.20E-02	1.03E-02	9.85E-03	7.91E-01
2173	494861.06	3859751.99	0.14513	0.06221	0.13255	0.1416	0.29177	0.31322	0.0626	0.06221	6.96E-01	2.65E-03	3.18E-07	3.43E-03	6.29E-02	2.03E-02	1.02E-02	9.75E-03	7.86E-01
2174	494911.06	3859751.99	0.14444	0.06151	0.13139	0.14183	0.29258	0.31267	0.0621	0.06151	6.93E-01	2.62E-03	3.15E-07	3.44E-03	6.31E-02	2.02E-02	1.01E-02	9.64E-03	7.83E-01
2175	494961.06	3859751.99	0.14374	0.06081	0.13055	0.1419	0.29265	0.31816	0.0616	0.06081	6.90E-01	2.59E-03	3.13E-07	3.44E-03	6.31E-02	2.06E-02	1.01E-02	9.53E-03	7.80E-01
2176	495011.06	3859751.99	0.14306	0.05995	0.12989	0.14159	0.29215	0.31048	0.0611	0.05995	6.87E-01	2.55E-03	3.12E-07	3.43E-03	6.30E-02	2.01E-02	9.97E-03	9.39E-03	7.76E-01
2177	495061.06	3859751.99	0.14225	0.05965	0.12947	0.14104	0.28675	0.29971	0.0608	0.05965	6.83E-01	2.54E-03	3.11E-07	3.42E-03	6.18E-02	1.94E-02	9.93E-03	9.34E-03	7.70E-01
2178	495111.06	3859751.99	0.14152	0.05882	0.12876	0.13993	0.28854	0.30553	0.0603	0.05882	6.79E-01	2.50E-03	3.09E-07	3.39E-03	6.22E-02	1.98E-02	9.84E-03	9.21E-03	7.68E-01
2179	495161.06	3859751.99	0.14082	0.05781	0.12793	0.13892	0.28604	0.30479	0.0596	0.05781	6.76E-01	2.46E-03	3.07E-07	3.37E-03	6.17E-02	1.97E-02	9.73E-03	9.06E-03	7.64E-01
2180	495211.06	3859751.99	0.1401	0.05673	0.12581	0.13794	0.28286	0.30447	0.0589	0.05673	6.72E-01	2.41E-03	3.02E-07	3.34E-03	6.10E-02	1.97E-02	9.61E-03	8.89E-03	7.60E-01
2181	495261.06	3859751.99	0.13925	0.05633	0.12451	0.13713	0.27863	0.29896	0.0586	0.05633	6.68E-01	2.40E-03	2.99E-07	3.32E-03	6.01E-02	1.93E-02	9.57E-03	8.82E-03	7.54E-01
2182	495311.06	3859751.99	0.13847	0.05547	0.12158	0.13632	0.29105	0.28818	0.058	0.05547	6.65E-01	2.36E-03	2.92E-07	3.30E-03	6.28E-02	1.86E-02	9.47E-03	8.69E-03	7.52E-01
2183	495361.06	3859751.99	0.13763	0.05475	0.11902	0.13529	0.30548	0.26975	0.0576	0.05475	6.60E-01	2.33E-03	2.85E-07	3.28E-03	6.59E-02	1.75E-02	9.39E-03	8.58E-03	7.50E-01
2184	495411.06	3859751.99	0.13679	0.05407	0.11647	0.13376	0.32019	0.25982	0.0571	0.05407	6.56E-01	2.30E-03	2.79E-07	3.24E-03	6.91E-02	1.68E-02	9.32E-03	8.47E-03	7.49E-01
2185	495461.06	3859751.99	0.13602	0.05275	0.11196	0.13121	0.33228	0.24753	0.0562	0.05275	6.53E-01	2.24E-03	2.69E-07	3.18E-03	7.17E-02	1.60E-02	9.18E-03	8.26E-03	7.47E-01
2186	495511.06	3859751.99	0.13522	0.05144	0.10837	0.1285	0.34429	0.23286	0.0553	0.05144	6.49E-01	2.19E-03	2.60E-07	3.11E-03	7.43E-02	1.51E-02	9.03E-03	8.06E-03	7.45E-01
2187	495561.06	3859751.99	0.13432	0.05139	0.10678	0.12653	0.3591	0.22652	0.0549	0.05139	6.45E-01	2.19E-03	2.56E-07	3.07E-03	7.74E-02	1.47E-02	8.95E-03	8.05E-03	7.43E-01
2188	495611.06	3859751.99	0.13341	0.05147	0.10492	0.12448	0.37402	0.22622	0.0548	0.05147	6.40E-01	2.19E-03	2.52E-07	3.02E-03	8.07E-02	1.46E-02	8.95E-03	8.06E-03	7.42E-01
2189	495661.06	3859751.99	0.13246	0.05169	0.10422	0.12279	0.39045	0.22681	0.0547	0.05169	6.36E-01	2.20E-03	2.50E-07	2.97E-03	8.42E-02	1.47E-02	8.92E-03	8.10E-03	7.41E-01
2190	494311.06	3859801.99	0.14896	0.07535	0.13055	0.16292	0.3677	0.63526	0.0708	0.07535	7.15E-01	3.21E-03	3.13E-07	3.95E-03	7.93E-02	4.11E-02	1.16E-02	1.18E-02	8.42E-01
2191	494361.06	3859801.99	0.14888	0.07346	0.12815	0.15723	0.38301	0.73737	0.0692	0.07346	7.14E-01	3.13E-03	3.07E-07	3.81E-03	8.26E-02	4.77E-02	1.13E-02	1.15E-02	8.52E-01
2192	494411.06	3859801.99	0.14882	0.07115	0.12453	0.15107	0.39824	1.06784	0.0675	0.07115	7.14E-01	3.03E-03	2.99E-07	3.66E-03	8.59E-02	6.91E-02	1.10E-02	1.11E-02	8.76E-01
2193	494461.06	3859801.99	0.14779	0.07169	0.12469	0.15436	0.41224	1.0226	0.0685	0.07169	7.09E-01	3.05E-03	2.99E-07	3.74E-03	8.89E-02	6.62E-02	1.12E-02	1.12E-02	8.71E-01
2194	494511.06	3859801.99	0.14665	0.07243	0.12568	0.15836	0.42425	0.72726	0.0696	0.07243	7.04E-01	3.08E-03	3.01E-07	3.84E-03	9.15E-02	4.71E-02	1.14E-02	1.13E-02	8.49E-01
2195	494561.06	3859801.99	0.14618	0.07132	0.12557	0.156	0.43695	0.56652	0.069	0.07132	7.02E-01	3.03E-03	3.01E-07	3.78E-03	9.42E-02	3.67E-02	1.13E-02	1.12E-02	8.39E-01
2196	494611.06	3859801.99	0.14626	0.06851	0.12448	0.14779	0.40815	0.47912	0.0667	0.06851	7.02E-01	2.91E-03	2.99E-07	3.58E-03	8.80E-02	3.10E-02	1.09E-02	1.07E-02	8.28E-01
2197	494661.06	3859801.99	0.14582	0.0672	0.12421	0.1446	0.37903	0.42066	0.0659	0.0672	7.00E-01	2.86E-03	2.98E-07	3.50E-03	8.17E-02	2.72E-02	1.08E-02	1.05E-02	8.15E-01
2198	494711.06	3859801.99	0.14549	0.06634	0.12359	0.13988	0.34911	0.36723	0.0646	0.06634	6.98E-01	2.82E-03	2.96E-07	3.39E-03	7.53E-02	2.38E-02	1.05E-02	1.04E-02	8.04E-01
2199	494761.06	3859801.99	0.14441	0.06709	0.12448	0.14319	0.32566	0.34089	0.0655	0.06709	6.93E-01	2.85E-03	2.99E-07	3.47E-03	7.02E-02	2.21E-02	1.07E-02	1.05E-02	7.92E-01
2200	494811.06	3859801.99	0.1439	0.06703	0.12434	0.14009	0.29856	0.33329	0.0647	0.06703	6.91E-01	2.85E-03	2.98E-07	3.39E-03	6.44E-02	2.16E-02	1.06E-02	1.05E-02	7.83E-01
2201	494861.06	3859801.99	0.14321	0.06657	0.12416	0.14181	0.28446	0.31005	0.0643	0.06657	6.87E-01	2.83E-03	2.98E-07	3.44E-03	6.14E-02	2.01E-02	1.05E-02	1.04E-02	7.75E-01
2202	494911.06	3859801.99	0.14273	0.06522	0.12369	0.14102	0.28261	0.30997	0.0633	0.06522	6.85E-01	2.78E-03	2.97E-07	3.42E-03	6.10E-02	2.01E-02	1.03E-02	1.02E-02	7.72E-01
2203	494961.06	3859801.99	0.14207	0.06451	0.1235	0.14127	0.28251	0.30966	0.0628	0.06451	6.82E-01	2.74E-03	2.96E-07	3.42E-03	6.09E-02	2.00E-02	1.03E-02	1.01E-02	7.69E-01
2204	495011.06	3859801.99	0.14142	0.06367	0.12322	0.14151	0.28403	0.29617	0.0623	0.06367	6.79E-01	2.71E-03	2.96E-07	3.43E-03	6.13E-02	1.92E-02	1.02E-02	9.97E-03	7.65E-01
2205	495061.06	3859801.99	0.14067	0.06319	0.12307	0.14163	0.28451	0.28984	0.0619	0.06319	6.75E-01	2.69E-03	2.95E-07	3.43E-03	6.14E-02	1.88E-02	1.01E-02	9.90E-03	7.62E-01
2206	495111.06	3859801.99	0.14006	0.06203	0.12257	0.14072	0.28505	0.2788	0.0611	0.06203	6.72E-01	2.64E-03	2.94E-07	3.41E-03	6.15E-02	1.80E-02	9.98E-03	9.72E-03	7.58E-01
2207	495161.06	3859801.99	0.1394	0.061	0.1221	0.13959	0.28474	0.27069	0.0604	0.061	6.69E-01	2.60E-03	2.93E-07	3.38E-03	6.14E-02	1.75E-02	9.87E-03	9.56E-03	7.54E-01
2208	495211.06	3859801.99	0.13861	0.06051	0.12184	0.13846	0.27929	0.27278	0.0601	0.06051	6.65E-01	2.57E-03	2.92E-07	3.35E-03	6.02E-02	1.76E-02	9.81E-03	9.48E-03	7.49E-01
2209	495261.06	3859801.99	0.13792	0.05942	0.12127	0.13746	0.28161	0.26917	0.0594	0.05942	6.62E-01	2.53E-03	2.91E-07	3.33E-03	6.07E-02	1.74E-02	9.69E-03	9.31E-03	7.46E-01
2210	495311.06	3859801.99	0.13709	0.05903	0.12099	0.1365	0.27871	0.25647	0.0591	0.05903	6.58E-01	2.51E-03	2.90E-07	3.31E-03	6.01E-02	1.66E-02	9.65E-03	9.25E-03	7.41E-01
2211	495361.06	3859801.99	0.13633	0.05813	0.12044	0.13567	0.27564	0.2536	0.0585	0.05813	6.54E-01	2.47E-03	2.89E-07	3.29E-03	5.94E-02	1.64E-02	9.55E-03	9.11E-03	7.36E-01
2212	495411.06	3859801.99	0.13561	0.05695	0.1197	0.13491	0.27211	0.25708	0.0578	0.05695	6.51E-01	2.42E-03	2.87E-07	3.27E-03	5.87E-02	1.66E-02	9.43E-03	8.92E-03	7.32E-01
2213	495461.06	3859801.99	0.1348	0.05617	0.11913	0.13415	0.28142	0.23973	0.0572	0.05617	6.47E-01	2.39E-03	2.86E-07	3.25E-03	6.07E-02	1.55E-02	9.34E-03	8.80E-03	7.29E-01
2214	495511.06	3859801.99	0.13409	0.05467	0.11653	0.13344	0.29223	0.23483	0.0563	0.05467	6.43E-01	2.33E-03	2.79E-07	3.23E-03	6.30E-02	1.52E-02	9.18E-03	8.56E-03	7.28E-01
2215	495561.06	3859801.99	0.13321	0.05413	0.11472	0.1326	0.30701	0.23827	0.0559	0.05413	6.39E-01	2.30E-03	2.75E-07	3.21E-03	6.62E-02	1.54E-02	9.13E-03	8.48E-03	7.27E-01
2216	495611.06	3859801.99	0.13224	0.05418	0.11474	0.13166	0.32435	0.23024	0.0559	0.05418	6.35E-01	2.31E-03	2.75E-07	3.19E-03	7.00E-02	1.49E-02	9.13E-03	8.49E-03	7.26E-01
2217	495661.06	3859801.99	0.13152	0.05293	0.11035	0.12947	0.33647	0.2192	0.0551	0.05293	6.31E-01	2.25E-03	2.65E-07	3.14E-03	7.26E-02	1.42E-02	9.00E-03	8.29E-03	7.24E-01
2218	494311.06	3859851.99	0.14723	0.07428	0.12824	0.15771	0.31835	0.6102	0.0749	0.07428	7.07E-01	3.16E-03	3.08E-07	3.82E-03	6.87E-02	3.95E-02	1.22E-02	1.16E-02	8.22E-01
2219	494361.06	3859851.99	0.14675	0.07407	0.12701	0.1571	0.33323	0.68734	0.0735	0.07407	7.04E-01	3.15E-03	3.05E-07	3.81E-03	7.19E-02	4.45E-02	1.20E-02	1.16E-02	8.28E-01

2220	494411.06	3859851.99	0.14642	0.0748	0.12554	0.156	0.34815	1.02197	0.0715	0.0748	7.03E-01	3.18E-03	3.01E-07	3.78E-03	7.51E-02	6.61E-02	1.17E-02	1.17E-02	8.51E-01
2221	494461.06	3859851.99	0.14576	0.074	0.12569	0.15555	0.36318	1.03979	0.0704	0.074	6.99E-01	3.15E-03	3.01E-07	3.77E-03	7.83E-02	6.73E-02	1.15E-02	1.16E-02	8.52E-01
2222	494511.06	3859851.99	0.14457	0.07396	0.12735	0.15652	0.37754	0.73497	0.0714	0.07396	6.94E-01	3.15E-03	3.05E-07	3.79E-03	8.14E-02	4.76E-02	1.17E-02	1.16E-02	8.30E-01
2223	494561.06	3859851.99	0.14356	0.07424	0.12606	0.15731	0.39034	0.55498	0.0728	0.07424	6.89E-01	3.16E-03	3.02E-07	3.81E-03	8.42E-02	3.59E-02	1.19E-02	1.16E-02	8.16E-01
2224	494611.06	3859851.99	0.1438	0.07108	0.12133	0.15178	0.40553	0.47099	0.069	0.07108	6.90E-01	3.02E-03	2.91E-07	3.68E-03	8.75E-02	3.05E-02	1.13E-02	1.11E-02	8.15E-01
2225	494661.06	3859851.99	0.143	0.07079	0.1193	0.15211	0.41766	0.41078	0.0694	0.07079	6.86E-01	3.01E-03	2.86E-07	3.69E-03	9.01E-02	2.66E-02	1.13E-02	1.11E-02	8.10E-01
2226	494711.06	3859851.99	0.14285	0.06864	0.117	0.14589	0.41478	0.377	0.067	0.06864	6.86E-01	2.92E-03	2.81E-07	3.53E-03	8.95E-02	2.44E-02	1.09E-02	1.08E-02	8.06E-01
2227	494761.06	3859851.99	0.14183	0.06899	0.1162	0.14823	0.3893	0.37029	0.0684	0.06899	6.81E-01	2.94E-03	2.79E-07	3.59E-03	8.40E-02	2.40E-02	1.12E-02	1.08E-02	7.95E-01
2228	494811.06	3859851.99	0.14133	0.06783	0.1144	0.14523	0.36233	0.33903	0.0674	0.06783	6.78E-01	2.89E-03	2.74E-07	3.52E-03	7.81E-02	2.19E-02	1.10E-02	1.06E-02	7.85E-01
2229	494861.06	3859851.99	0.14059	0.06734	0.11398	0.14447	0.33712	0.33757	0.0673	0.06734	6.75E-01	2.87E-03	2.73E-07	3.50E-03	7.27E-02	2.18E-02	1.10E-02	1.05E-02	7.76E-01
2230	494911.06	3859851.99	0.14016	0.06743	0.11374	0.14054	0.31057	0.32826	0.0659	0.06743	6.73E-01	2.87E-03	2.73E-07	3.40E-03	6.70E-02	2.12E-02	1.08E-02	1.06E-02	7.67E-01
2231	494961.06	3859851.99	0.13954	0.06823	0.11386	0.13907	0.28579	0.30884	0.0652	0.06823	6.70E-01	2.90E-03	2.73E-07	3.37E-03	6.16E-02	2.00E-02	1.06E-02	1.07E-02	7.57E-01
2232	495011.06	3859851.99	0.13892	0.06778	0.11392	0.14067	0.27542	0.28896	0.0644	0.06778	6.67E-01	2.88E-03	2.73E-07	3.41E-03	5.94E-02	1.87E-02	1.05E-02	1.06E-02	7.51E-01
2233	495061.06	3859851.99	0.13821	0.0673	0.1141	0.14018	0.27238	0.28611	0.064	0.0673	6.63E-01	2.86E-03	2.74E-07	3.40E-03	5.87E-02	1.85E-02	1.04E-02	1.05E-02	7.47E-01
2234	495111.06	3859851.99	0.13771	0.06595	0.11387	0.13876	0.27467	0.28712	0.0626	0.06595	6.61E-01	2.81E-03	2.73E-07	3.36E-03	5.92E-02	1.86E-02	1.02E-02	1.03E-02	7.45E-01
2235	495161.06	3859851.99	0.13707	0.06501	0.11379	0.13759	0.27624	0.28517	0.0616	0.06501	6.58E-01	2.77E-03	2.73E-07	3.33E-03	5.96E-02	1.85E-02	1.01E-02	1.02E-02	7.42E-01
2236	495211.06	3859851.99	0.13639	0.06421	0.11373	0.13634	0.27475	0.28033	0.0609	0.06421	6.55E-01	2.73E-03	2.73E-07	3.30E-03	5.93E-02	1.81E-02	9.94E-03	1.01E-02	7.38E-01
2237	495261.06	3859851.99	0.13573	0.06327	0.11358	0.13507	0.27732	0.26537	0.0602	0.06327	6.51E-01	2.69E-03	2.72E-07	3.27E-03	5.98E-02	1.72E-02	9.83E-03	9.91E-03	7.34E-01
2238	495311.06	3859851.99	0.13496	0.06272	0.11356	0.13397	0.27652	0.26496	0.0599	0.06272	6.48E-01	2.67E-03	2.72E-07	3.25E-03	5.96E-02	1.71E-02	9.77E-03	9.83E-03	7.30E-01
2239	495361.06	3859851.99	0.13423	0.06197	0.11341	0.13296	0.27367	0.26436	0.0594	0.06197	6.44E-01	2.64E-03	2.72E-07	3.22E-03	5.90E-02	1.71E-02	9.69E-03	9.71E-03	7.26E-01
2240	495411.06	3859851.99	0.13357	0.06079	0.11305	0.13235	0.27401	0.25979	0.0586	0.06079	6.41E-01	2.59E-03	2.71E-07	3.21E-03	5.91E-02	1.68E-02	9.57E-03	9.52E-03	7.23E-01
2241	495461.06	3859851.99	0.13311	0.05968	0.11267	0.13137	0.27193	0.26177	0.0579	0.05968	6.39E-01	2.54E-03	2.70E-07	3.18E-03	5.86E-02	1.69E-02	9.45E-03	9.35E-03	7.20E-01
2242	495511.06	3859851.99	0.13274	0.05834	0.11215	0.13044	0.26938	0.25226	0.0571	0.05834	6.37E-01	2.48E-03	2.69E-07	3.16E-03	5.81E-02	1.63E-02	9.31E-03	9.14E-03	7.17E-01
2243	495561.06	3859851.99	0.13209	0.058	0.11204	0.12916	0.26535	0.24626	0.0568	0.058	6.34E-01	2.47E-03	2.69E-07	3.13E-03	5.72E-02	1.59E-02	9.27E-03	9.09E-03	7.13E-01
2244	495611.06	3859851.99	0.1315	0.05753	0.11183	0.12793	0.27482	0.24171	0.0565	0.05753	6.31E-01	2.45E-03	2.68E-07	3.10E-03	5.93E-02	1.56E-02	9.22E-03	9.01E-03	7.12E-01
2245	495661.06	3859851.99	0.1311	0.05628	0.11123	0.12696	0.28628	0.24267	0.0557	0.05628	6.29E-01	2.39E-03	2.67E-07	3.08E-03	6.17E-02	1.57E-02	9.10E-03	8.82E-03	7.12E-01
2246	494311.06	3859901.99	0.14601	0.07899	0.13763	0.15575	0.2959	0.57682	0.0763	0.07899	7.01E-01	3.36E-03	3.30E-07	3.77E-03	6.38E-02	3.73E-02	1.25E-02	1.24E-02	8.09E-01
2247	494361.06	3859901.99	0.14614	0.07595	0.13429	0.15214	0.30297	0.68764	0.0745	0.07595	7.01E-01	3.23E-03	3.22E-07	3.69E-03	6.53E-02	4.45E-02	1.22E-02	1.19E-02	8.18E-01
2248	494411.06	3859901.99	0.14501	0.07561	0.13207	0.15044	0.30605	0.98651	0.0746	0.07561	6.96E-01	3.22E-03	3.17E-07	3.64E-03	6.60E-02	6.38E-02	1.22E-02	1.18E-02	8.33E-01
2249	494461.06	3859901.99	0.14436	0.07432	0.12943	0.15105	0.31538	1.13866	0.0745	0.07432	6.93E-01	3.16E-03	3.10E-07	3.66E-03	6.80E-02	7.37E-02	1.22E-02	1.16E-02	8.42E-01
2250	494511.06	3859901.99	0.14336	0.07378	0.12711	0.15204	0.33005	0.79737	0.0745	0.07378	6.88E-01	3.14E-03	3.05E-07	3.68E-03	7.12E-02	5.16E-02	1.22E-02	1.16E-02	8.18E-01
2251	494561.06	3859901.99	0.14158	0.07595	0.12605	0.15369	0.34373	0.56988	0.0747	0.07595	6.79E-01	3.23E-03	3.02E-07	3.72E-03	7.41E-02	3.69E-02	1.22E-02	1.19E-02	7.98E-01
2252	494611.06	3859901.99	0.14212	0.07387	0.12342	0.14942	0.35834	0.48879	0.0729	0.07387	6.82E-01	3.14E-03	2.96E-07	3.62E-03	7.73E-02	3.16E-02	1.19E-02	1.16E-02	7.98E-01
2253	494661.06	3859901.99	0.14062	0.07388	0.1261	0.15223	0.3707	0.45859	0.0746	0.07388	6.75E-01	3.14E-03	3.02E-07	3.69E-03	8.00E-02	2.97E-02	1.22E-02	1.16E-02	7.92E-01
2254	494711.06	3859901.99	0.14107	0.07102	0.12193	0.14245	0.38583	0.40744	0.0706	0.07102	6.77E-01	3.02E-03	2.92E-07	3.45E-03	8.32E-02	2.64E-02	1.15E-02	1.11E-02	7.93E-01
2255	494761.06	3859901.99	0.13992	0.07089	0.12005	0.14326	0.39754	0.39517	0.0714	0.07089	6.71E-01	3.02E-03	2.88E-07	3.47E-03	8.57E-02	2.56E-02	1.17E-02	1.11E-02	7.90E-01
2256	494811.06	3859901.99	0.13878	0.07114	0.11856	0.14411	0.40789	0.39245	0.0722	0.07114	6.66E-01	3.03E-03	2.84E-07	3.49E-03	8.80E-02	2.54E-02	1.18E-02	1.11E-02	7.87E-01
2257	494861.06	3859901.99	0.13798	0.07097	0.11716	0.1428	0.39684	0.37223	0.072	0.07097	6.62E-01	3.02E-03	2.81E-07	3.46E-03	8.56E-02	2.41E-02	1.18E-02	1.11E-02	7.79E-01
2258	494911.06	3859901.99	0.13765	0.06944	0.11525	0.13857	0.3712	0.36615	0.0705	0.06944	6.61E-01	2.95E-03	2.76E-07	3.36E-03	8.01E-02	2.37E-02	1.15E-02	1.09E-02	7.71E-01
2259	494961.06	3859901.99	0.13695	0.06906	0.11367	0.13688	0.34663	0.35718	0.0701	0.06906	6.57E-01	2.94E-03	2.73E-07	3.32E-03	7.48E-02	2.31E-02	1.14E-02	1.08E-02	7.62E-01
2260	495011.06	3859901.99	0.13653	0.06784	0.11176	0.13568	0.32153	0.34466	0.0688	0.06784	6.55E-01	2.89E-03	2.68E-07	3.29E-03	6.93E-02	2.23E-02	1.12E-02	1.06E-02	7.54E-01
2261	495061.06	3859901.99	0.136	0.06735	0.11224	0.13653	0.29737	0.3398	0.0679	0.06735	6.53E-01	2.87E-03	2.69E-07	3.31E-03	6.41E-02	2.20E-02	1.11E-02	1.06E-02	7.45E-01
2262	495111.06	3859901.99	0.1357	0.06834	0.11094	0.13567	0.27247	0.3185	0.0664	0.06834	6.51E-01	2.91E-03	2.66E-07	3.29E-03	5.88E-02	2.06E-02	1.08E-02	1.07E-02	7.37E-01
2263	495161.06	3859901.99	0.13532	0.06818	0.10822	0.13583	0.26775	0.29511	0.065	0.06818	6.49E-01	2.90E-03	2.60E-07	3.29E-03	5.77E-02	1.91E-02	1.06E-02	1.07E-02	7.32E-01
2264	495211.06	3859901.99	0.13461	0.06786	0.10921	0.13563	0.26527	0.28905	0.0649	0.06786	6.46E-01	2.89E-03	2.62E-07	3.29E-03	5.72E-02	1.87E-02	1.06E-02	1.06E-02	7.28E-01
2265	495261.06	3859901.99	0.13437	0.06628	0.10744	0.13258	0.2682	0.29186	0.0631	0.06628	6.45E-01	2.82E-03	2.58E-07	3.21E-03	5.78E-02	1.89E-02	1.03E-02	1.04E-02	7.28E-01
2266	495311.06	3859901.99	0.13367	0.06598	0.10473	0.13014	0.26884	0.29509	0.063	0.06598	6.41E-01	2.81E-03	2.51E-07	3.15E-03	5.80E-02	1.91E-02	1.03E-02	1.03E-02	7.24E-01
2267	495361.06	3859901.99	0.13322	0.06501	0.10401	0.12865	0.26663	0.28025	0.062	0.06501	6.39E-01	2.77E-03	2.49E-07	3.12E-03	5.75E-02	1.81E-02	1.01E-02	1.02E-02	7.21E-01
2268	495411.06	3859901.99	0.13287	0.06374	0.10392	0.12839	0.27053	0.28318	0.0607	0.06374	6.38E-01	2.71E-03	2.49E-07	3.11E-03	5.83E-02	1.83E-02	9.90E-03	9.98E-03	7.20E-01
2269	495461.06	3859901.99	0.13244	0.06274	0.10389	0.12832	0.26549	0.27046	0.0597	0.06274	6.36E-01	2.67E-03	2.49E-07	3.11E-03	5.73E-02	1.75E-02	9.74E-03	9.83E-03	7.16E-01
2270	495511.06	3859901.99	0.13183	0.06228	0.10407	0.12891	0.26571	0.26075	0.0594	0.06228	6.33E-01	2.65E-03	2.50E-07	3.12E-03	5.73E-02	1.69E-02	9.69E-03	9.76E-03	7.13E-01
2271	495561.06	3859901.99	0.13124	0.0618	0.10419	0.12925	0.26672	0.25892	0.059	0.0618	6.30E-01	2.63E-03	2.50E-07	3.13E-03	5.75E-02	1.68E-02	9.63E-03	9.68E-03	7.10E-01
2272	495611.06	3859901.99	0.13085	0.06066	0.104	0.12831	0.26488	0.25377	0.0579	0.06066	6.28E-01	2.58E-03	2.49E-07	3.11E-03	5.71E-02	1.64E-02	9.45E-03	9.50E-03	7.07E-01
2273	495661.06	3859901.99	0.1305	0.0594	0.10372	0.12702	0.26249	0.24445	0.0566	0.0594	6.26E-01	2.53E-03	2.49E-07	3.08E-03	5.66E-02	1.58E-02	9.24E-03	9.31E-03	7.04E-01
2274	494311.06	3859951.99	0.14531	0.08471	0.14116	0.15788	0.26591	0.58514	0.0818	0.08471	6.97E-01	3.60E-03	3.39E-07	3.82E-03	5.74E-02	3.79E-02	1.34E-02	1.33E-02	8.00E-01
2275	494361.06	3859951.99	0.14388	0.0824	0.13698	0.1527	0.26545	0.66565	0.08	0.0824	6.90E-01	3.51E-03	3.29E-07	3.70E-03	5.73E-02	4.31E-02	1.31E-02	1.29E-02	7.98E-01
2276	494411.06	3859951.99	0.14341	0.0807	0.13297	0.151	0.26963	0.98245	0.0787	0.0807	6.88E-01	3.43E-03	3.19E-07	3.66E-03	5.82E-02	6.36E-02	1.28E-02	1.26E-02	8.17E-01

2277	494461.06	3859951.99	0.14274	0.07943	0.12924	0.14946	0.29073	1.14967	0.0769	0.07943	6.85E-01	3.38E-03	3.10E-07	3.62E-03	6.27E-02	7.44E-02	1.26E-02	1.24E-02	8.29E-01
2278	494511.06	3859951.99	0.14172	0.07894	0.12727	0.14753	0.29408	0.80245	0.076	0.07894	6.80E-01	3.36E-03	3.05E-07	3.57E-03	6.34E-02	5.19E-02	1.24E-02	1.24E-02	8.02E-01
2279	494561.06	3859951.99	0.13964	0.08049	0.12745	0.15019	0.30049	0.67214	0.0794	0.08049	6.70E-01	3.42E-03	3.06E-07	3.64E-03	6.48E-02	4.35E-02	1.30E-02	1.26E-02	7.86E-01
2280	494611.06	3859951.99	0.14008	0.07722	0.12595	0.14928	0.31313	0.58331	0.0751	0.07722	6.72E-01	3.29E-03	3.02E-07	3.62E-03	6.75E-02	3.77E-02	1.23E-02	1.21E-02	7.85E-01
2281	494661.06	3859951.99	0.13865	0.07758	0.12553	0.15025	0.32071	0.56069	0.0766	0.07758	6.65E-01	3.30E-03	3.01E-07	3.64E-03	6.92E-02	3.63E-02	1.25E-02	1.22E-02	7.78E-01
2282	494711.06	3859951.99	0.13893	0.07468	0.12382	0.14998	0.33958	0.47816	0.0743	0.07468	6.67E-01	3.18E-03	2.97E-07	3.63E-03	7.32E-02	3.09E-02	1.21E-02	1.17E-02	7.78E-01
2283	494761.06	3859951.99	0.13803	0.07409	0.12454	0.15024	0.35199	0.46287	0.0743	0.07409	6.62E-01	3.15E-03	2.99E-07	3.64E-03	7.59E-02	2.99E-02	1.21E-02	1.16E-02	7.76E-01
2284	494811.06	3859951.99	0.13731	0.07321	0.12454	0.14798	0.36413	0.4601	0.0743	0.07321	6.59E-01	3.11E-03	2.99E-07	3.59E-03	7.85E-02	2.98E-02	1.21E-02	1.15E-02	7.75E-01
2285	494861.06	3859951.99	0.13626	0.07296	0.12235	0.14545	0.37456	0.4567	0.0743	0.07296	6.54E-01	3.10E-03	2.93E-07	3.52E-03	8.08E-02	2.95E-02	1.21E-02	1.14E-02	7.72E-01
2286	494911.06	3859951.99	0.13602	0.07265	0.11958	0.14263	0.38707	0.41879	0.0742	0.07265	6.53E-01	3.09E-03	2.87E-07	3.46E-03	8.35E-02	2.71E-02	1.21E-02	1.14E-02	7.71E-01
2287	494961.06	3859951.99	0.13567	0.07187	0.11727	0.13983	0.39884	0.39092	0.0728	0.07187	6.51E-01	3.06E-03	2.81E-07	3.39E-03	8.60E-02	2.53E-02	1.19E-02	1.13E-02	7.69E-01
2288	495011.06	3859951.99	0.13524	0.0708	0.11558	0.13729	0.37756	0.37652	0.0717	0.0708	6.49E-01	3.01E-03	2.77E-07	3.33E-03	8.14E-02	2.44E-02	1.17E-02	1.11E-02	7.62E-01
2289	495061.06	3859951.99	0.13465	0.07021	0.11397	0.13468	0.3539	0.3705	0.0711	0.07021	6.46E-01	2.99E-03	2.73E-07	3.26E-03	7.63E-02	2.40E-02	1.16E-02	1.10E-02	7.53E-01
2290	495111.06	3859951.99	0.13439	0.06866	0.11202	0.13216	0.32933	0.36127	0.0696	0.06866	6.45E-01	2.92E-03	2.69E-07	3.20E-03	7.10E-02	2.34E-02	1.14E-02	1.08E-02	7.46E-01
2291	495161.06	3859951.99	0.13409	0.06725	0.11004	0.13213	0.30488	0.35114	0.0681	0.06725	6.43E-01	2.86E-03	2.64E-07	3.20E-03	6.58E-02	2.27E-02	1.11E-02	1.05E-02	7.39E-01
2292	495211.06	3859951.99	0.13377	0.06774	0.10803	0.12964	0.28085	0.33605	0.0668	0.06774	6.42E-01	2.88E-03	2.59E-07	3.14E-03	6.06E-02	2.17E-02	1.09E-02	1.06E-02	7.31E-01
2293	495261.06	3859951.99	0.13329	0.06847	0.10842	0.13021	0.26199	0.31008	0.066	0.06847	6.40E-01	2.91E-03	2.60E-07	3.15E-03	5.65E-02	2.01E-02	1.08E-02	1.07E-02	7.22E-01
2294	495311.06	3859951.99	0.13253	0.06883	0.11014	0.13135	0.25889	0.30165	0.0661	0.06883	6.36E-01	2.93E-03	2.64E-07	3.18E-03	5.58E-02	1.95E-02	1.08E-02	1.08E-02	7.17E-01
2295	495361.06	3859951.99	0.132	0.0686	0.11146	0.13195	0.25829	0.3011	0.0655	0.0686	6.33E-01	2.92E-03	2.67E-07	3.20E-03	5.57E-02	1.95E-02	1.07E-02	1.07E-02	7.15E-01
2296	495411.06	3859951.99	0.13169	0.06737	0.11235	0.13062	0.26072	0.29651	0.0642	0.06737	6.32E-01	2.87E-03	2.69E-07	3.16E-03	5.62E-02	1.92E-02	1.05E-02	1.06E-02	7.13E-01
2297	495461.06	3859951.99	0.1313	0.06636	0.10978	0.12791	0.26227	0.29537	0.0632	0.06636	6.30E-01	2.82E-03	2.63E-07	3.10E-03	5.66E-02	1.91E-02	1.03E-02	1.04E-02	7.12E-01
2298	495511.06	3859951.99	0.13092	0.06532	0.10675	0.12656	0.25955	0.28812	0.0621	0.06532	6.28E-01	2.78E-03	2.56E-07	3.07E-03	5.60E-02	1.86E-02	1.01E-02	1.02E-02	7.09E-01
2299	495561.06	3859951.99	0.13017	0.06533	0.10486	0.1282	0.26219	0.2844	0.0624	0.06533	6.25E-01	2.78E-03	2.51E-07	3.11E-03	5.65E-02	1.84E-02	1.02E-02	1.02E-02	7.05E-01
2300	495611.06	3859951.99	0.12984	0.06417	0.10195	0.12802	0.25773	0.2663	0.0613	0.06417	6.23E-01	2.73E-03	2.45E-07	3.10E-03	5.56E-02	1.72E-02	1.00E-02	1.01E-02	7.02E-01
2301	495661.06	3859951.99	0.12962	0.06269	0.09887	0.12716	0.2584	0.24508	0.0597	0.06269	6.22E-01	2.67E-03	2.37E-07	3.08E-03	5.57E-02	1.59E-02	9.74E-03	9.82E-03	6.99E-01
2302	494311.06	3860001.99	0.14723	0.08894	0.15476	0.16722	0.25819	0.65247	0.0862	0.08894	7.07E-01	3.78E-03	3.71E-07	4.05E-03	5.57E-02	4.22E-02	1.41E-02	1.39E-02	8.12E-01
2303	494361.06	3860001.99	0.14526	0.08732	0.14853	0.16458	0.25559	0.75778	0.0855	0.08732	6.97E-01	3.72E-03	3.56E-07	3.99E-03	5.51E-02	4.90E-02	1.40E-02	1.37E-02	8.09E-01
2304	494411.06	3860001.99	0.14363	0.08492	0.14497	0.15858	0.26004	0.9919	0.0823	0.08492	6.89E-01	3.61E-03	3.48E-07	3.84E-03	5.61E-02	6.42E-02	1.34E-02	1.33E-02	8.17E-01
2305	494461.06	3860001.99	0.14144	0.08496	0.14361	0.15799	0.25998	1.07701	0.0822	0.08496	6.79E-01	3.61E-03	3.44E-07	3.83E-03	5.61E-02	6.97E-02	1.34E-02	1.33E-02	8.12E-01
2306	494511.06	3860001.99	0.14031	0.08272	0.14158	0.15436	0.26168	0.9731	0.0803	0.08272	6.73E-01	3.52E-03	3.40E-07	3.74E-03	5.64E-02	6.30E-02	1.31E-02	1.30E-02	8.00E-01
2307	494561.06	3860001.99	0.13763	0.0859	0.1415	0.16052	0.26553	0.80022	0.0834	0.0859	6.60E-01	3.65E-03	3.39E-07	3.89E-03	5.73E-02	5.18E-02	1.36E-02	1.35E-02	7.77E-01
2308	494611.06	3860001.99	0.13746	0.08348	0.13854	0.1581	0.27591	0.76619	0.0832	0.08348	6.60E-01	3.55E-03	3.32E-07	3.83E-03	5.95E-02	4.96E-02	1.36E-02	1.31E-02	7.77E-01
2309	494661.06	3860001.99	0.13664	0.08222	0.13345	0.15559	0.28648	0.68128	0.0824	0.08222	6.56E-01	3.50E-03	3.20E-07	3.77E-03	6.18E-02	4.41E-02	1.35E-02	1.29E-02	7.69E-01
2310	494711.06	3860001.99	0.13773	0.0766	0.12793	0.1467	0.29663	0.60352	0.076	0.0766	6.61E-01	3.26E-03	3.07E-07	3.55E-03	6.40E-02	3.90E-02	1.24E-02	1.20E-02	7.71E-01
2311	494761.06	3860001.99	0.13606	0.07807	0.12569	0.15051	0.30662	0.55606	0.0782	0.07807	6.53E-01	3.32E-03	3.01E-07	3.65E-03	6.61E-02	3.60E-02	1.28E-02	1.22E-02	7.63E-01
2312	494811.06	3860001.99	0.13518	0.07806	0.12619	0.14789	0.31616	0.50277	0.0783	0.07806	6.49E-01	3.32E-03	3.03E-07	3.58E-03	6.82E-02	3.25E-02	1.28E-02	1.22E-02	7.57E-01
2313	494861.06	3860001.99	0.13416	0.07848	0.12813	0.14723	0.32522	0.47319	0.0788	0.07848	6.44E-01	3.34E-03	3.07E-07	3.57E-03	7.01E-02	3.06E-02	1.29E-02	1.23E-02	7.52E-01
2314	494911.06	3860001.99	0.13501	0.07346	0.12324	0.14247	0.34662	0.42476	0.074	0.07346	6.48E-01	3.13E-03	2.96E-07	3.45E-03	7.48E-02	2.75E-02	1.21E-02	1.15E-02	7.57E-01
2315	494961.06	3860001.99	0.13415	0.07378	0.12218	0.14125	0.34165	0.40287	0.0742	0.07378	6.44E-01	3.14E-03	2.93E-07	3.42E-03	7.37E-02	2.61E-02	1.21E-02	1.16E-02	7.51E-01
2316	495011.06	3860001.99	0.13385	0.07245	0.11933	0.13797	0.36951	0.38186	0.0732	0.07245	6.42E-01	3.08E-03	2.86E-07	3.34E-03	7.97E-02	2.47E-02	1.19E-02	1.13E-02	7.54E-01
2317	495061.06	3860001.99	0.13297	0.07218	0.11748	0.13823	0.37889	0.38323	0.0735	0.07218	6.38E-01	3.07E-03	2.82E-07	3.35E-03	8.17E-02	2.48E-02	1.20E-02	1.13E-02	7.52E-01
2318	495111.06	3860001.99	0.13274	0.07132	0.11576	0.13471	0.38222	0.36944	0.0721	0.07132	6.37E-01	3.03E-03	2.78E-07	3.26E-03	8.24E-02	2.39E-02	1.18E-02	1.12E-02	7.50E-01
2319	495161.06	3860001.99	0.13251	0.06989	0.11397	0.13127	0.35945	0.35397	0.0706	0.06989	6.36E-01	2.97E-03	2.73E-07	3.18E-03	7.75E-02	2.29E-02	1.15E-02	1.09E-02	7.43E-01
2320	495211.06	3860001.99	0.13173	0.07007	0.11254	0.13122	0.33759	0.34083	0.0708	0.07007	6.32E-01	2.98E-03	2.70E-07	3.18E-03	7.28E-02	2.21E-02	1.16E-02	1.10E-02	7.34E-01
2321	495261.06	3860001.99	0.13143	0.06886	0.11069	0.13119	0.31475	0.3255	0.0696	0.06886	6.31E-01	2.93E-03	2.65E-07	3.18E-03	6.79E-02	2.11E-02	1.14E-02	1.08E-02	7.26E-01
2322	495311.06	3860001.99	0.13092	0.06833	0.10897	0.13259	0.29306	0.31951	0.0691	0.06833	6.28E-01	2.91E-03	2.61E-07	3.21E-03	6.32E-02	2.07E-02	1.13E-02	1.07E-02	7.19E-01
2323	495361.06	3860001.99	0.13101	0.06731	0.10696	0.13168	0.26823	0.31139	0.0667	0.06731	6.29E-01	2.86E-03	2.57E-07	3.19E-03	5.79E-02	2.01E-02	1.09E-02	1.05E-02	7.13E-01
2324	495411.06	3860001.99	0.13016	0.06738	0.10543	0.13343	0.25175	0.31166	0.0672	0.06738	6.25E-01	2.87E-03	2.53E-07	3.23E-03	5.43E-02	2.02E-02	1.10E-02	1.06E-02	7.06E-01
2325	495461.06	3860001.99	0.12977	0.068	0.10664	0.13152	0.25027	0.30351	0.0663	0.068	6.23E-01	2.89E-03	2.56E-07	3.19E-03	5.40E-02	1.96E-02	1.08E-02	1.07E-02	7.03E-01
2326	495511.06	3860001.99	0.12937	0.06851	0.10781	0.13003	0.2513	0.28357	0.0656	0.06851	6.21E-01	2.91E-03	2.59E-07	3.15E-03	5.42E-02	1.83E-02	1.07E-02	1.07E-02	6.99E-01
2327	495561.06	3860001.99	0.12872	0.06793	0.10923	0.12817	0.25199	0.28178	0.0655	0.06793	6.18E-01	2.89E-03	2.62E-07	3.11E-03	5.43E-02	1.82E-02	1.07E-02	1.06E-02	6.96E-01
2328	495611.06	3860001.99	0.12852	0.06769	0.10968	0.12607	0.25421	0.27256	0.0641	0.06769	6.17E-01	2.88E-03	2.63E-07	3.05E-03	5.48E-02	1.76E-02	1.05E-02	1.06E-02	6.95E-01
2329	495661.06	3860001.99	0.12828	0.06643	0.10898	0.12558	0.255	0.26392	0.0628	0.06643	6.16E-01	2.83E-03	2.61E-07	3.04E-03	5.50E-02	1.71E-02	1.02E-02	1.04E-02	6.93E-01
2330	494411.06	3860051.99	0.14484	0.08866	0.15627	0.16961	0.25187	1.7804	0.0852	0.08866	6.95E-01	3.77E-03	3.75E-07	4.11E-03	5.43E-02	1.15E-01	1.39E-02	1.39E-02	8.72E-01
2331	494461.06	3860051.99	0.1429	0.08702	0.15437	0.16685	0.25128	1.86792	0.0849	0.08702	6.86E-01	3.70E-03	3.70E-07	4.04E-03	5.42E-02	1.21E-01	1.39E-02	1.36E-02	8.69E-01
2332	494511.06	3860051.99	0.14087	0.08558	0.15168	0.16465	0.24939	1.25797	0.0845	0.08558	6.76E-01	3.64E-03	3.64E-07	3.99E-03	5.38E-02	8.14E-02	1.38E-02	1.34E-02	8.19E-01
2333	494561.06	3860051.99	0.13816	0.08746	0.14952	0.16774	0.25457	0.88334	0.0838	0.08746	6.63E-01	3.72E-03	3.59E-07	4.06E-03	5.49E-02	5.72E-02	1.37E-02	1.37E-02	7.83E-01

2334	494611.06	3860051.99	0.13588	0.0878	0.14692	0.16704	0.25414	0.73365	0.0841	0.0878	6.52E-01	3.74E-03	3.52E-07	4.05E-03	5.48E-02	4.75E-02	1.37E-02	1.38E-02	7.62E-01
2335	494661.06	3860051.99	0.13432	0.08746	0.14419	0.16536	0.25791	0.65098	0.0837	0.08746	6.45E-01	3.72E-03	3.46E-07	4.01E-03	5.56E-02	4.21E-02	1.37E-02	1.37E-02	7.50E-01
2336	494711.06	3860051.99	0.13466	0.08571	0.14094	0.15868	0.26257	0.57264	0.082	0.08571	6.46E-01	3.65E-03	3.38E-07	3.84E-03	5.66E-02	3.71E-02	1.34E-02	1.34E-02	7.47E-01
2337	494761.06	3860051.99	0.13379	0.08503	0.13821	0.15758	0.27305	0.52956	0.0813	0.08503	6.42E-01	3.62E-03	3.31E-07	3.82E-03	5.89E-02	3.43E-02	1.33E-02	1.33E-02	7.43E-01
2338	494811.06	3860051.99	0.1325	0.08511	0.13567	0.15835	0.28323	0.51579	0.0811	0.08511	6.36E-01	3.62E-03	3.25E-07	3.84E-03	6.11E-02	3.34E-02	1.32E-02	1.33E-02	7.38E-01
2339	494861.06	3860051.99	0.13136	0.08547	0.13576	0.15833	0.29306	0.49146	0.0819	0.08547	6.30E-01	3.64E-03	3.26E-07	3.84E-03	6.32E-02	3.18E-02	1.34E-02	1.34E-02	7.33E-01
2340	494911.06	3860051.99	0.13141	0.0827	0.13308	0.15369	0.30259	0.46174	0.0796	0.0827	6.31E-01	3.52E-03	3.19E-07	3.72E-03	6.53E-02	2.99E-02	1.30E-02	1.30E-02	7.33E-01
2341	494961.06	3860051.99	0.13154	0.08019	0.1302	0.14866	0.31167	0.43317	0.079	0.08019	6.31E-01	3.41E-03	3.12E-07	3.60E-03	6.72E-02	2.80E-02	1.29E-02	1.26E-02	7.34E-01
2342	495011.06	3860051.99	0.13143	0.07803	0.12703	0.1446	0.32027	0.40999	0.0766	0.07803	6.31E-01	3.32E-03	3.05E-07	3.50E-03	6.91E-02	2.65E-02	1.25E-02	1.22E-02	7.33E-01
2343	495061.06	3860051.99	0.13105	0.07672	0.12291	0.1443	0.32844	0.39256	0.0749	0.07672	6.29E-01	3.26E-03	2.95E-07	3.50E-03	7.08E-02	2.54E-02	1.22E-02	1.20E-02	7.32E-01
2344	495111.06	3860051.99	0.13105	0.07425	0.11997	0.14307	0.33601	0.37612	0.0734	0.07425	6.29E-01	3.16E-03	2.88E-07	3.47E-03	7.25E-02	2.43E-02	1.20E-02	1.16E-02	7.33E-01
2345	495161.06	3860051.99	0.13065	0.07308	0.11728	0.14081	0.34312	0.36913	0.0733	0.07308	6.27E-01	3.11E-03	2.81E-07	3.41E-03	7.40E-02	2.39E-02	1.20E-02	1.14E-02	7.32E-01
2346	495211.06	3860051.99	0.13041	0.07142	0.11565	0.13767	0.37286	0.35974	0.0725	0.07142	6.26E-01	3.04E-03	2.77E-07	3.34E-03	8.04E-02	2.33E-02	1.18E-02	1.12E-02	7.37E-01
2347	495261.06	3860051.99	0.12984	0.0709	0.11419	0.13653	0.36439	0.35466	0.0719	0.0709	6.23E-01	3.02E-03	2.74E-07	3.31E-03	7.86E-02	2.29E-02	1.17E-02	1.11E-02	7.32E-01
2348	495311.06	3860051.99	0.12917	0.07049	0.11273	0.13604	0.34353	0.34366	0.0718	0.07049	6.20E-01	3.00E-03	2.70E-07	3.30E-03	7.41E-02	2.22E-02	1.17E-02	1.10E-02	7.23E-01
2349	495361.06	3860051.99	0.12868	0.06962	0.11112	0.13455	0.32278	0.33316	0.071	0.06962	6.18E-01	2.96E-03	2.67E-07	3.26E-03	6.96E-02	2.16E-02	1.16E-02	1.09E-02	7.16E-01
2350	495411.06	3860051.99	0.12829	0.06891	0.10939	0.13259	0.30203	0.32056	0.07	0.06891	6.16E-01	2.93E-03	2.62E-07	3.21E-03	6.51E-02	2.07E-02	1.14E-02	1.08E-02	7.08E-01
2351	495461.06	3860051.99	0.12801	0.06789	0.10754	0.13142	0.28089	0.30707	0.0687	0.06789	6.14E-01	2.89E-03	2.58E-07	3.18E-03	6.06E-02	1.99E-02	1.12E-02	1.06E-02	7.01E-01
2352	495511.06	3860051.99	0.12747	0.06762	0.10582	0.13308	0.26135	0.29679	0.0683	0.06762	6.12E-01	2.88E-03	2.54E-07	3.22E-03	5.64E-02	1.92E-02	1.11E-02	1.06E-02	6.94E-01
2353	495561.06	3860051.99	0.12709	0.06689	0.10395	0.13171	0.24155	0.28527	0.0674	0.06689	6.10E-01	2.85E-03	2.49E-07	3.19E-03	5.21E-02	1.85E-02	1.10E-02	1.05E-02	6.87E-01
2354	495611.06	3860051.99	0.12683	0.06662	0.10403	0.12901	0.24087	0.27312	0.0664	0.06662	6.09E-01	2.83E-03	2.49E-07	3.13E-03	5.19E-02	1.77E-02	1.08E-02	1.04E-02	6.85E-01
2355	495661.06	3860051.99	0.12678	0.0665	0.10307	0.12658	0.24467	0.25759	0.0647	0.0665	6.08E-01	2.83E-03	2.47E-07	3.07E-03	5.28E-02	1.67E-02	1.06E-02	1.04E-02	6.84E-01
2356	494411.06	3860101.99	0.14628	0.09094	0.15892	0.16458	0.23043	1.0035	0.0852	0.09094	7.02E-01	3.87E-03	3.81E-07	3.99E-03	4.97E-02	6.49E-02	1.39E-02	1.42E-02	8.24E-01
2357	494461.06	3860101.99	0.14364	0.09107	0.15962	0.16859	0.24312	0.80578	0.0868	0.09107	6.89E-01	3.87E-03	3.83E-07	4.08E-03	5.24E-02	5.21E-02	1.42E-02	1.43E-02	8.02E-01
2358	494511.06	3860101.99	0.14206	0.08867	0.15538	0.1626	0.24565	0.76924	0.0842	0.08867	6.82E-01	3.77E-03	3.73E-07	3.94E-03	5.30E-02	4.98E-02	1.37E-02	1.39E-02	7.92E-01
2359	494561.06	3860101.99	0.13972	0.08813	0.15436	0.16324	0.24699	0.7086	0.0843	0.08813	6.71E-01	3.75E-03	3.70E-07	3.95E-03	5.33E-02	4.58E-02	1.38E-02	1.38E-02	7.77E-01
2360	494611.06	3860101.99	0.13699	0.08936	0.15475	0.1668	0.24378	0.65204	0.0854	0.08936	6.57E-01	3.80E-03	3.71E-07	4.04E-03	5.26E-02	4.22E-02	1.39E-02	1.40E-02	7.60E-01
2361	494661.06	3860101.99	0.13475	0.08889	0.1529	0.16617	0.24767	0.62332	0.0846	0.08889	6.47E-01	3.78E-03	3.67E-07	4.03E-03	5.34E-02	4.03E-02	1.38E-02	1.39E-02	7.48E-01
2362	494711.06	3860101.99	0.13318	0.08789	0.14814	0.16028	0.24896	0.56861	0.0842	0.08789	6.39E-01	3.74E-03	3.55E-07	3.88E-03	5.37E-02	3.68E-02	1.37E-02	1.38E-02	7.37E-01
2363	494761.06	3860101.99	0.13141	0.08752	0.14543	0.15912	0.25043	0.539	0.0837	0.08752	6.31E-01	3.72E-03	3.49E-07	3.85E-03	5.40E-02	3.49E-02	1.37E-02	1.37E-02	7.27E-01
2364	494811.06	3860101.99	0.13053	0.08707	0.14303	0.15903	0.25399	0.52092	0.0831	0.08707	6.26E-01	3.70E-03	3.43E-07	3.85E-03	5.48E-02	3.37E-02	1.36E-02	1.36E-02	7.22E-01
2365	494861.06	3860101.99	0.12804	0.08743	0.14442	0.16309	0.25942	0.53059	0.0835	0.08743	6.14E-01	3.72E-03	3.46E-07	3.95E-03	5.60E-02	3.43E-02	1.36E-02	1.37E-02	7.12E-01
2366	494911.06	3860101.99	0.12996	0.08585	0.13811	0.15756	0.27015	0.48439	0.0809	0.08585	6.24E-01	3.65E-03	3.31E-07	3.82E-03	5.83E-02	3.13E-02	1.32E-02	1.34E-02	7.21E-01
2367	494961.06	3860101.99	0.12935	0.08539	0.1374	0.15661	0.27993	0.47491	0.0804	0.08539	6.21E-01	3.63E-03	3.30E-07	3.79E-03	6.04E-02	3.07E-02	1.31E-02	1.34E-02	7.19E-01
2368	495011.06	3860101.99	0.12926	0.08348	0.13465	0.15309	0.2894	0.4593	0.0783	0.08348	6.20E-01	3.55E-03	3.23E-07	3.71E-03	6.24E-02	2.97E-02	1.28E-02	1.31E-02	7.19E-01
2369	495061.06	3860101.99	0.12906	0.08149	0.13262	0.15005	0.29849	0.43322	0.078	0.08149	6.19E-01	3.47E-03	3.18E-07	3.64E-03	6.44E-02	2.80E-02	1.27E-02	1.28E-02	7.19E-01
2370	495111.06	3860101.99	0.12918	0.07822	0.12923	0.14545	0.30715	0.39392	0.078	0.07822	6.20E-01	3.33E-03	3.10E-07	3.52E-03	6.62E-02	2.55E-02	1.27E-02	1.23E-02	7.19E-01
2371	495161.06	3860101.99	0.12853	0.07753	0.12793	0.14486	0.31543	0.3739	0.0772	0.07753	6.17E-01	3.30E-03	3.07E-07	3.51E-03	6.80E-02	2.42E-02	1.26E-02	1.21E-02	7.16E-01
2372	495211.06	3860101.99	0.12816	0.07649	0.12382	0.14287	0.32323	0.35787	0.0759	0.07649	6.15E-01	3.25E-03	2.97E-07	3.46E-03	6.97E-02	2.32E-02	1.24E-02	1.20E-02	7.15E-01
2373	495261.06	3860101.99	0.12782	0.07539	0.11985	0.14103	0.33049	0.34043	0.0741	0.07539	6.13E-01	3.21E-03	2.87E-07	3.42E-03	7.13E-02	2.20E-02	1.21E-02	1.18E-02	7.14E-01
2374	495311.06	3860101.99	0.12734	0.07474	0.1172	0.14046	0.33729	0.33922	0.0728	0.07474	6.11E-01	3.18E-03	2.81E-07	3.40E-03	7.27E-02	2.19E-02	1.19E-02	1.17E-02	7.13E-01
2375	495361.06	3860101.99	0.12666	0.07419	0.11789	0.13951	0.34352	0.32674	0.0723	0.07419	6.08E-01	3.16E-03	2.83E-07	3.38E-03	7.41E-02	2.11E-02	1.18E-02	1.16E-02	7.10E-01
2376	495411.06	3860101.99	0.12635	0.07284	0.11644	0.13789	0.34531	0.3188	0.0723	0.07284	6.06E-01	3.10E-03	2.79E-07	3.34E-03	7.45E-02	2.06E-02	1.18E-02	1.14E-02	7.08E-01
2377	495461.06	3860101.99	0.12641	0.07086	0.11106	0.13343	0.3293	0.3078	0.0724	0.07086	6.07E-01	3.01E-03	2.66E-07	3.23E-03	7.10E-02	1.99E-02	1.18E-02	1.11E-02	7.05E-01
2378	495511.06	3860101.99	0.12575	0.07019	0.10954	0.13292	0.31368	0.29432	0.0721	0.07019	6.03E-01	2.99E-03	2.63E-07	3.22E-03	6.77E-02	1.90E-02	1.18E-02	1.10E-02	6.97E-01
2379	495561.06	3860101.99	0.12513	0.06947	0.10794	0.13268	0.29829	0.28073	0.0711	0.06947	6.00E-01	2.96E-03	2.59E-07	3.21E-03	6.43E-02	1.82E-02	1.16E-02	1.09E-02	6.90E-01
2380	495611.06	3860101.99	0.12519	0.06754	0.10598	0.12988	0.26913	0.2601	0.0703	0.06754	6.01E-01	2.87E-03	2.54E-07	3.15E-03	5.80E-02	1.68E-02	1.15E-02	1.06E-02	6.83E-01
2381	495661.06	3860101.99	0.12484	0.06638	0.10418	0.13074	0.24999	0.24897	0.0695	0.06638	5.99E-01	2.82E-03	2.50E-07	3.17E-03	5.39E-02	1.61E-02	1.13E-02	1.04E-02	6.76E-01
2382	494861.06	3860151.99	0.12569	0.09038	0.15749	0.16059	0.24235	0.5385	0.0854	0.09038	6.03E-01	3.85E-03	3.78E-07	3.89E-03	5.23E-02	3.48E-02	1.39E-02	1.42E-02	6.98E-01
2383	494911.06	3860151.99	0.12706	0.0868	0.15072	0.15286	0.24675	0.49163	0.082	0.0868	6.10E-01	3.69E-03	3.61E-07	3.70E-03	5.32E-02	3.18E-02	1.34E-02	1.36E-02	7.02E-01
2384	494961.06	3860151.99	0.12687	0.08604	0.1464	0.1505	0.25004	0.46867	0.0813	0.08604	6.09E-01	3.66E-03	3.51E-07	3.65E-03	5.39E-02	3.03E-02	1.33E-02	1.35E-02	7.00E-01
2385	495011.06	3860151.99	0.1268	0.0853	0.14186	0.14757	0.25742	0.44694	0.0811	0.0853	6.09E-01	3.63E-03	3.40E-07	3.58E-03	5.55E-02	2.89E-02	1.32E-02	1.34E-02	7.00E-01
2386	495061.06	3860151.99	0.12673	0.08467	0.14066	0.14576	0.26719	0.41933	0.0794	0.08467	6.08E-01	3.60E-03	3.37E-07	3.53E-03	5.76E-02	2.71E-02	1.30E-02	1.33E-02	7.00E-01
2387	495111.06	3860151.99	0.1264	0.08414	0.13928	0.14569	0.27664	0.40075	0.0783	0.08414	6.07E-01	3.58E-03	3.34E-07	3.53E-03	5.97E-02	2.59E-02	1.28E-02	1.32E-02	6.99E-01
2388	495161.06	3860151.99	0.12598	0.08366	0.1378	0.14599	0.28575	0.38204	0.0775	0.08366	6.05E-01	3.56E-03	3.30E-07	3.54E-03	6.16E-02	2.47E-02	1.27E-02	1.31E-02	6.98E-01
2389	495211.06	3860151.99	0.12573	0.08249	0.13627	0.14596	0.29448	0.35353	0.0762	0.08249	6.03E-01	3.51E-03	3.27E-07	3.54E-03	6.35E-02	2.29E-02	1.24E-02	1.29E-02	6.96E-01
2390	495261.06	3860151.99	0.12527	0.08135	0.13463	0.14408	0.3028	0.33938	0.0756	0.08135	6.01E-01	3.46E-03	3.23E-07	3.49E-03	6.53E-02	2.20E-02	1.23E-02	1.27E-02	6.95E-01

2391	495311.06	3860151.99	0.12485	0.08016	0.13294	0.14205	0.31072	0.32844	0.0749	0.08016	5.99E-01	3.41E-03	3.19E-07	3.44E-03	6.70E-02	2.13E-02	1.22E-02	1.26E-02	6.94E-01
2392	495361.06	3860151.99	0.12438	0.07893	0.13117	0.14035	0.31817	0.318	0.0744	0.07893	5.97E-01	3.36E-03	3.15E-07	3.40E-03	6.86E-02	2.06E-02	1.21E-02	1.24E-02	6.93E-01
2393	495411.06	3860151.99	0.12408	0.07774	0.12936	0.13789	0.32513	0.30689	0.0734	0.07774	5.95E-01	3.31E-03	3.10E-07	3.34E-03	7.01E-02	1.99E-02	1.20E-02	1.22E-02	6.92E-01
2394	495461.06	3860151.99	0.12374	0.07647	0.1275	0.13627	0.3316	0.29627	0.0727	0.07647	5.94E-01	3.25E-03	3.06E-07	3.30E-03	7.15E-02	1.92E-02	1.19E-02	1.20E-02	6.91E-01
2395	495511.06	3860151.99	0.1236	0.07488	0.12391	0.13574	0.33749	0.28483	0.0722	0.07488	5.93E-01	3.19E-03	2.97E-07	3.29E-03	7.28E-02	1.84E-02	1.18E-02	1.17E-02	6.91E-01
2396	495561.06	3860151.99	0.12316	0.07383	0.12077	0.13469	0.33127	0.27346	0.0714	0.07383	5.91E-01	3.14E-03	2.90E-07	3.26E-03	7.14E-02	1.77E-02	1.16E-02	1.16E-02	6.87E-01
2397	495611.06	3860151.99	0.12298	0.07231	0.11697	0.13423	0.31591	0.26345	0.0711	0.07231	5.90E-01	3.08E-03	2.81E-07	3.25E-03	6.81E-02	1.70E-02	1.16E-02	1.13E-02	6.82E-01
2398	495661.06	3860151.99	0.12289	0.07065	0.1131	0.13334	0.30076	0.25441	0.0701	0.07065	5.90E-01	3.01E-03	2.71E-07	3.23E-03	6.49E-02	1.65E-02	1.14E-02	1.11E-02	6.78E-01
2399	495718.25	3859442.96	0.13007	0.03881	0.07991	0.10895	0.31028	0.24716	0.049	0.03881	6.24E-01	1.65E-03	1.92E-07	2.64E-03	6.69E-02	1.60E-02	8.00E-03	6.08E-03	7.13E-01
2400	495818.25	3859442.96	0.12849	0.03796	0.0775	0.1091	0.30863	0.23392	0.0483	0.03796	6.17E-01	1.62E-03	1.86E-07	2.64E-03	6.66E-02	1.51E-02	7.88E-03	5.95E-03	7.05E-01
2401	495918.25	3859442.96	0.12548	0.03745	0.07551	0.10748	0.30672	0.21513	0.0472	0.03745	6.02E-01	1.59E-03	1.81E-07	2.60E-03	6.62E-02	1.39E-02	7.70E-03	5.87E-03	6.88E-01
2402	496018.25	3859442.96	0.12173	0.03692	0.07365	0.10221	0.30341	0.22296	0.0448	0.03692	5.84E-01	1.57E-03	1.77E-07	2.48E-03	6.54E-02	1.44E-02	7.31E-03	5.78E-03	6.70E-01
2403	496118.25	3859442.96	0.11865	0.03642	0.07512	0.09913	0.30897	0.23052	0.0432	0.03642	5.69E-01	1.55E-03	1.80E-07	2.40E-03	6.66E-02	1.49E-02	7.06E-03	5.71E-03	6.56E-01
2404	496218.25	3859442.96	0.11808	0.0359	0.07649	0.09829	0.31399	0.23374	0.0424	0.0359	5.67E-01	1.53E-03	1.83E-07	2.38E-03	6.77E-02	1.51E-02	6.91E-03	5.62E-03	6.55E-01
2405	496318.25	3859442.96	0.11856	0.03536	0.07524	0.0954	0.29301	0.21921	0.0409	0.03536	5.69E-01	1.50E-03	1.80E-07	2.31E-03	6.32E-02	1.42E-02	6.68E-03	5.54E-03	6.51E-01
2406	496418.25	3859442.96	0.11899	0.0342	0.0738	0.09249	0.28221	0.20767	0.0406	0.0342	5.71E-01	1.46E-03	1.77E-07	2.24E-03	6.09E-02	1.34E-02	6.63E-03	5.36E-03	6.50E-01
2407	495718.25	3859542.96	0.12985	0.0437	0.08245	0.11083	0.28677	0.22315	0.0517	0.0437	6.23E-01	1.86E-03	1.98E-07	2.69E-03	6.18E-02	1.44E-02	8.44E-03	6.85E-03	7.06E-01
2408	495818.25	3859542.96	0.12782	0.04295	0.08186	0.1088	0.29446	0.22375	0.0516	0.04295	6.13E-01	1.83E-03	1.96E-07	2.64E-03	6.35E-02	1.45E-02	8.42E-03	6.73E-03	6.98E-01
2409	495918.25	3859542.96	0.12574	0.03928	0.08022	0.10656	0.29931	0.20135	0.05	0.03928	6.03E-01	1.67E-03	1.92E-07	2.58E-03	6.46E-02	1.30E-02	8.17E-03	6.15E-03	6.87E-01
2410	496018.25	3859542.96	0.12321	0.03874	0.0788	0.10464	0.30291	0.18356	0.0487	0.03874	5.91E-01	1.65E-03	1.89E-07	2.54E-03	6.53E-02	1.19E-02	7.94E-03	6.07E-03	6.75E-01
2411	496118.25	3859542.96	0.12118	0.03823	0.08087	0.10613	0.30988	0.17928	0.0482	0.03823	5.82E-01	1.63E-03	1.94E-07	2.57E-03	6.68E-02	1.16E-02	7.86E-03	5.99E-03	6.66E-01
2412	496218.25	3859542.96	0.12008	0.03882	0.08068	0.1066	0.31301	0.18224	0.0467	0.03882	5.76E-01	1.65E-03	1.93E-07	2.58E-03	6.75E-02	1.18E-02	7.62E-03	6.08E-03	6.61E-01
2413	496318.25	3859542.96	0.1182	0.03906	0.07946	0.10234	0.31304	0.18565	0.0456	0.03906	5.67E-01	1.66E-03	1.91E-07	2.48E-03	6.75E-02	1.20E-02	7.44E-03	6.12E-03	6.52E-01
2414	496418.25	3859542.96	0.11691	0.03821	0.07714	0.0957	0.30847	0.17677	0.0429	0.03821	5.61E-01	1.63E-03	1.85E-07	2.32E-03	6.65E-02	1.14E-02	7.01E-03	5.99E-03	6.44E-01
2415	495718.25	3859642.96	0.13106	0.04874	0.08601	0.11954	0.33564	0.21393	0.0526	0.04874	6.29E-01	2.07E-03	2.06E-07	2.90E-03	7.24E-02	1.38E-02	8.58E-03	7.64E-03	7.21E-01
2416	495818.25	3859642.96	0.12907	0.0454	0.08479	0.11375	0.2889	0.2031	0.0512	0.0454	6.19E-01	1.93E-03	2.03E-07	2.76E-03	6.23E-02	1.31E-02	8.36E-03	7.11E-03	7.01E-01
2417	495918.25	3859642.96	0.1267	0.04495	0.08353	0.11034	0.26393	0.1961	0.0508	0.04495	6.08E-01	1.91E-03	2.00E-07	2.67E-03	5.69E-02	1.27E-02	8.30E-03	7.04E-03	6.83E-01
2418	496018.25	3859642.96	0.12475	0.04223	0.08089	0.10546	0.27372	0.19075	0.0507	0.04223	5.99E-01	1.80E-03	1.94E-07	2.55E-03	5.90E-02	1.23E-02	8.28E-03	6.62E-03	6.76E-01
2419	496118.25	3859642.96	0.12298	0.04299	0.08385	0.10844	0.28628	0.18438	0.0504	0.04299	5.90E-01	1.83E-03	2.01E-07	2.63E-03	6.17E-02	1.19E-02	8.22E-03	6.73E-03	6.70E-01
2420	496218.25	3859642.96	0.121	0.04381	0.08484	0.10893	0.2955	0.18227	0.0498	0.04381	5.81E-01	1.86E-03	2.03E-07	2.64E-03	6.37E-02	1.18E-02	8.14E-03	6.86E-03	6.62E-01
2421	496318.25	3859642.96	0.11897	0.04318	0.08184	0.10517	0.30083	0.17122	0.0485	0.04318	5.71E-01	1.84E-03	1.96E-07	2.55E-03	6.49E-02	1.11E-02	7.92E-03	6.76E-03	6.52E-01
2422	496418.25	3859642.96	0.11902	0.03939	0.07634	0.10257	0.29874	0.16433	0.046	0.03939	5.71E-01	1.68E-03	1.83E-07	2.48E-03	6.44E-02	1.06E-02	7.51E-03	6.17E-03	6.52E-01
2423	495718.25	3859742.96	0.13149	0.05191	0.10003	0.124	0.37729	0.2236	0.0548	0.05191	6.31E-01	2.21E-03	2.40E-07	3.00E-03	8.14E-02	1.45E-02	8.94E-03	8.13E-03	7.33E-01
2424	495818.25	3859742.96	0.12986	0.05189	0.09259	0.12379	0.37827	0.2056	0.0524	0.05189	6.23E-01	2.21E-03	2.22E-07	3.00E-03	8.16E-02	1.33E-02	8.56E-03	8.13E-03	7.24E-01
2425	495918.25	3859742.96	0.12761	0.04827	0.09318	0.12573	0.38454	0.19508	0.0522	0.04827	6.12E-01	2.05E-03	2.23E-07	3.05E-03	8.29E-02	1.26E-02	8.51E-03	7.56E-03	7.14E-01
2426	496018.25	3859742.96	0.12558	0.04668	0.09018	0.12558	0.33848	0.17978	0.0504	0.04668	6.03E-01	1.99E-03	2.16E-07	3.04E-03	7.30E-02	1.16E-02	8.23E-03	7.31E-03	6.93E-01
2427	496118.25	3859742.96	0.12356	0.04653	0.09261	0.12217	0.30498	0.17404	0.051	0.04653	5.93E-01	1.98E-03	2.22E-07	2.96E-03	6.58E-02	1.13E-02	8.33E-03	7.29E-03	6.76E-01
2428	496218.25	3859742.96	0.12139	0.04689	0.0946	0.1172	0.27478	0.17955	0.0507	0.04689	5.83E-01	2.00E-03	2.27E-07	2.84E-03	5.93E-02	1.16E-02	8.27E-03	7.35E-03	6.59E-01
2429	496318.25	3859742.96	0.11946	0.04461	0.08661	0.11554	0.26245	0.16287	0.0495	0.04461	5.73E-01	1.90E-03	2.08E-07	2.80E-03	5.66E-02	1.05E-02	8.07E-03	6.99E-03	6.46E-01
2430	496418.25	3859742.96	0.11734	0.0412	0.07691	0.10585	0.26846	0.15174	0.0488	0.0412	5.63E-01	1.75E-03	1.84E-07	2.56E-03	5.79E-02	9.82E-03	7.97E-03	6.45E-03	6.37E-01
2431	495718.25	3859842.96	0.13058	0.0549	0.11185	0.12627	0.31102	0.24395	0.0552	0.0549	6.27E-01	2.34E-03	2.68E-07	3.06E-03	6.71E-02	1.58E-02	9.00E-03	8.60E-03	7.15E-01
2432	495818.25	3859842.96	0.12839	0.05345	0.11079	0.12389	0.33898	0.22765	0.0542	0.05345	6.16E-01	2.27E-03	2.66E-07	3.00E-03	7.31E-02	1.47E-02	8.85E-03	8.37E-03	7.10E-01
2433	495918.25	3859842.96	0.12561	0.05195	0.10532	0.12143	0.36692	0.21294	0.0533	0.05195	6.03E-01	2.21E-03	2.53E-07	2.94E-03	7.91E-02	1.38E-02	8.69E-03	8.14E-03	7.01E-01
2434	496018.25	3859842.96	0.1237	0.05189	0.10266	0.12069	0.36215	0.20206	0.0521	0.05189	5.94E-01	2.21E-03	2.46E-07	2.92E-03	7.81E-02	1.31E-02	8.50E-03	8.13E-03	6.90E-01
2435	496118.25	3859842.96	0.12138	0.05134	0.10664	0.12008	0.36707	0.19999	0.052	0.05134	5.82E-01	2.18E-03	2.56E-07	2.91E-03	7.92E-02	1.29E-02	8.48E-03	8.04E-03	6.80E-01
2436	496218.25	3859842.96	0.11992	0.04854	0.09371	0.11345	0.37647	0.18746	0.0502	0.04854	5.75E-01	2.07E-03	2.25E-07	2.75E-03	8.12E-02	1.21E-02	8.19E-03	7.60E-03	6.74E-01
2437	496318.25	3859842.96	0.11813	0.04413	0.08445	0.10812	0.31763	0.15844	0.0495	0.04413	5.67E-01	1.88E-03	2.03E-07	2.62E-03	6.85E-02	1.03E-02	8.08E-03	6.91E-03	6.51E-01
2438	496418.25	3859842.96	0.11871	0.04157	0.07569	0.09871	0.25756	0.14992	0.049	0.04157	5.70E-01	1.77E-03	1.82E-07	2.39E-03	5.55E-02	9.70E-03	8.00E-03	6.51E-03	6.41E-01
2439	495718.25	3859942.96	0.12917	0.06152	0.09564	0.12759	0.26007	0.23458	0.0587	0.06152	6.20E-01	2.62E-03	2.29E-07	3.09E-03	5.61E-02	1.52E-02	9.59E-03	9.64E-03	6.97E-01
2440	495818.25	3859942.96	0.1272	0.05966	0.09194	0.12611	0.25471	0.22856	0.0569	0.05966	6.10E-01	2.54E-03	2.21E-07	3.06E-03	5.49E-02	1.48E-02	9.29E-03	9.35E-03	6.86E-01
2441	495918.25	3859942.96	0.12393	0.05868	0.09268	0.12523	0.26953	0.22529	0.0561	0.05868	5.95E-01	2.50E-03	2.22E-07	3.03E-03	5.81E-02	1.46E-02	9.16E-03	9.19E-03	6.73E-01
2442	496018.25	3859942.96	0.12035	0.05771	0.09725	0.12165	0.30408	0.22799	0.0578	0.05771	5.78E-01	2.46E-03	2.33E-07	2.95E-03	6.56E-02	1.48E-02	9.44E-03	9.04E-03	6.64E-01
2443	496118.25	3859942.96	0.11793	0.05544	0.0928	0.12061	0.32303	0.20885	0.0539	0.05544	5.66E-01	2.36E-03	2.23E-07	2.92E-03	6.97E-02	1.35E-02	8.80E-03	8.68E-03	6.55E-01
2444	496218.25	3859942.96	0.11718	0.05059	0.08809	0.10999	0.33298	0.18797	0.0503	0.05059	5.62E-01	2.15E-03	2.11E-07	2.66E-03	7.18E-02	1.22E-02	8.20E-03	7.92E-03	6.51E-01
2445	496318.25	3859942.96	0.11609	0.04768	0.08166	0.1072	0.33995	0.16287	0.0493	0.04768	5.57E-01	2.03E-03	1.96E-07	2.60E-03	7.33E-02	1.05E-02	8.05E-03	7.47E-03	6.46E-01
2446	496418.25	3859942.96	0.11676	0.0454	0.0705	0.09804	0.3234	0.14772	0.0483	0.0454	5.60E-01	1.93E-03	1.69E-07	2.38E-03	6.97E-02	9.56E-03	7.88E-03	7.11E-03	6.45E-01
2447	496856.82	3858864.83	0.09529	0.02439	0.05523	0.05908	0.16609	0.26698	0.0267	0.02439	4.57E-01	1.04E-03	1.32E-07	1.43E-03	3.58E-02	1.73E-02	4.35E-03	3.82E-03	5.13E-01

2448	496956.82	3858864.83	0.09272	0.02453	0.05419	0.05833	0.16673	0.255	0.0265	0.02453	4.45E-01	1.04E-03	1.30E-07	1.41E-03	3.60E-02	1.65E-02	4.32E-03	3.84E-03	5.00E-01
2449	497056.82	3858864.83	0.09225	0.0246	0.05343	0.05776	0.16729	0.22351	0.0262	0.0246	4.43E-01	1.05E-03	1.28E-07	1.40E-03	3.61E-02	1.45E-02	4.27E-03	3.85E-03	4.96E-01
2450	497156.82	3858864.83	0.0917	0.02457	0.05265	0.05669	0.1654	0.20199	0.026	0.02457	4.40E-01	1.05E-03	1.26E-07	1.37E-03	3.57E-02	1.31E-02	4.24E-03	3.85E-03	4.92E-01
2451	497256.82	3858864.83	0.0918	0.02455	0.0524	0.05714	0.16954	0.18855	0.0265	0.02455	4.41E-01	1.04E-03	1.26E-07	1.38E-03	3.66E-02	1.22E-02	4.32E-03	3.85E-03	4.92E-01
2452	496856.82	3858964.83	0.10421	0.02508	0.05544	0.06118	0.18816	0.23508	0.0279	0.02508	5.00E-01	1.07E-03	1.33E-07	1.48E-03	4.06E-02	1.52E-02	4.55E-03	3.93E-03	5.59E-01
2453	496956.82	3858964.83	0.10034	0.02451	0.05426	0.05754	0.17749	0.22564	0.0281	0.02451	4.82E-01	1.04E-03	1.30E-07	1.39E-03	3.83E-02	1.46E-02	4.59E-03	3.84E-03	5.38E-01
2454	497056.82	3858964.83	0.09817	0.02398	0.05348	0.05691	0.18004	0.20651	0.0273	0.02398	4.71E-01	1.02E-03	1.28E-07	1.38E-03	3.88E-02	1.34E-02	4.46E-03	3.76E-03	5.26E-01
2455	497156.82	3858964.83	0.09537	0.02402	0.0526	0.05626	0.17833	0.18511	0.0272	0.02402	4.58E-01	1.02E-03	1.26E-07	1.36E-03	3.85E-02	1.20E-02	4.44E-03	3.76E-03	5.11E-01
2456	497256.82	3858964.83	0.096	0.02481	0.05366	0.05876	0.17943	0.17493	0.0284	0.02481	4.61E-01	1.06E-03	1.29E-07	1.42E-03	3.87E-02	1.13E-02	4.64E-03	3.89E-03	5.14E-01
2457	496856.82	3859064.83	0.11106	0.02531	0.0534	0.06372	0.21508	0.21493	0.0289	0.02531	5.33E-01	1.08E-03	1.28E-07	1.54E-03	4.64E-02	1.39E-02	4.72E-03	3.96E-03	5.97E-01
2458	496956.82	3859064.83	0.10781	0.02544	0.05269	0.06191	0.21181	0.19646	0.0285	0.02544	5.17E-01	1.08E-03	1.26E-07	1.50E-03	4.57E-02	1.27E-02	4.66E-03	3.99E-03	5.79E-01
2459	497056.82	3859064.83	0.105	0.02499	0.05266	0.06062	0.2096	0.18099	0.0285	0.02499	5.04E-01	1.06E-03	1.26E-07	1.47E-03	4.52E-02	1.17E-02	4.65E-03	3.91E-03	5.64E-01
2460	497156.82	3859064.83	0.10246	0.02447	0.05304	0.06045	0.20138	0.16736	0.0284	0.02447	4.92E-01	1.04E-03	1.27E-07	1.46E-03	4.34E-02	1.08E-02	4.63E-03	3.83E-03	5.49E-01
2461	497256.82	3859064.83	0.10349	0.02408	0.05417	0.0645	0.19908	0.15905	0.0301	0.02408	4.97E-01	1.02E-03	1.30E-07	1.56E-03	4.29E-02	1.03E-02	4.91E-03	3.77E-03	5.54E-01
2462	496856.82	3859164.83	0.11151	0.02554	0.05611	0.06501	0.23871	0.20334	0.0298	0.02554	5.35E-01	1.09E-03	1.35E-07	1.57E-03	5.15E-02	1.32E-02	4.86E-03	4.00E-03	6.03E-01
2463	496956.82	3859164.83	0.11092	0.02526	0.05425	0.06404	0.22984	0.18701	0.0292	0.02526	5.32E-01	1.07E-03	1.30E-07	1.55E-03	4.96E-02	1.21E-02	4.76E-03	3.96E-03	5.97E-01
2464	497056.82	3859164.83	0.11069	0.02505	0.053	0.06392	0.22851	0.17328	0.0293	0.02505	5.31E-01	1.07E-03	1.27E-07	1.55E-03	4.93E-02	1.12E-02	4.78E-03	3.92E-03	5.95E-01
2465	497156.82	3859164.83	0.11025	0.02521	0.05236	0.06567	0.23231	0.16188	0.0302	0.02521	5.29E-01	1.07E-03	1.26E-07	1.59E-03	5.01E-02	1.05E-02	4.93E-03	3.95E-03	5.93E-01
2466	497256.82	3859164.83	0.11126	0.02542	0.05439	0.07096	0.24101	0.14715	0.0321	0.02542	5.34E-01	1.08E-03	1.30E-07	1.72E-03	5.20E-02	9.52E-03	5.24E-03	3.98E-03	5.99E-01
2467	496856.82	3859264.83	0.11027	0.0257	0.05969	0.06483	0.23614	0.18873	0.0306	0.0257	5.29E-01	1.09E-03	1.43E-07	1.57E-03	5.09E-02	1.22E-02	4.99E-03	4.03E-03	5.96E-01
2468	496956.82	3859264.83	0.1102	0.02614	0.05968	0.06603	0.24209	0.17843	0.0309	0.02614	5.29E-01	1.11E-03	1.43E-07	1.60E-03	5.22E-02	1.15E-02	5.04E-03	4.09E-03	5.96E-01
2469	497056.82	3859264.83	0.11041	0.02705	0.06157	0.06891	0.2516	0.16632	0.0317	0.02705	5.30E-01	1.15E-03	1.48E-07	1.67E-03	5.43E-02	1.08E-02	5.18E-03	4.24E-03	5.99E-01
2470	497156.82	3859264.83	0.11052	0.02661	0.06222	0.07149	0.25111	0.16037	0.0325	0.02661	5.30E-01	1.13E-03	1.49E-07	1.73E-03	5.42E-02	1.04E-02	5.31E-03	4.17E-03	5.99E-01
2471	497256.82	3859264.83	0.1109	0.0274	0.06158	0.07631	0.25113	0.15461	0.0341	0.0274	5.32E-01	1.17E-03	1.48E-07	1.85E-03	5.42E-02	1.00E-02	5.57E-03	4.29E-03	6.01E-01
2472	497088.92	3858620.93	0.07899	0.02443	0.04497	0.05518	0.14794	0.17436	0.0259	0.02443	3.79E-01	1.04E-03	1.08E-07	1.34E-03	3.19E-02	1.13E-02	4.22E-03	3.83E-03	4.25E-01
2473	497138.92	3858620.93	0.07869	0.02442	0.04488	0.05552	0.14775	0.16936	0.0257	0.02442	3.78E-01	1.04E-03	1.08E-07	1.35E-03	3.19E-02	1.10E-02	4.20E-03	3.83E-03	4.23E-01
2474	497188.92	3858620.93	0.07824	0.02437	0.04555	0.05461	0.14644	0.16444	0.0255	0.02437	3.75E-01	1.04E-03	1.09E-07	1.32E-03	3.16E-02	1.06E-02	4.16E-03	3.82E-03	4.20E-01
2475	497238.92	3858620.93	0.0779	0.02431	0.04541	0.05379	0.14594	0.16097	0.0253	0.02431	3.74E-01	1.03E-03	1.09E-07	1.30E-03	3.15E-02	1.04E-02	4.13E-03	3.81E-03	4.18E-01
2476	497088.92	3858670.93	0.07934	0.02478	0.04555	0.05418	0.14458	0.17464	0.0258	0.02478	3.81E-01	1.05E-03	1.09E-07	1.31E-03	3.12E-02	1.13E-02	4.21E-03	3.88E-03	4.26E-01
2477	497138.92	3858670.93	0.0791	0.02482	0.04561	0.05548	0.14666	0.17412	0.0258	0.02482	3.80E-01	1.06E-03	1.09E-07	1.34E-03	3.16E-02	1.13E-02	4.20E-03	3.89E-03	4.25E-01
2478	497188.92	3858670.93	0.07864	0.02471	0.04533	0.0552	0.14665	0.17013	0.0256	0.02471	3.77E-01	1.05E-03	1.09E-07	1.34E-03	3.16E-02	1.10E-02	4.18E-03	3.87E-03	4.23E-01
2479	497238.92	3858670.93	0.07831	0.02456	0.04524	0.05579	0.14807	0.16938	0.0257	0.02456	3.76E-01	1.04E-03	1.09E-07	1.35E-03	3.19E-02	1.10E-02	4.20E-03	3.85E-03	4.21E-01
2480	497088.92	3858720.93	0.0862	0.02501	0.04614	0.05556	0.15428	0.18966	0.0259	0.02501	4.14E-01	1.06E-03	1.11E-07	1.35E-03	3.33E-02	1.23E-02	4.22E-03	3.92E-03	4.62E-01
2481	497138.92	3858720.93	0.0794	0.02482	0.04533	0.05341	0.14587	0.17056	0.0257	0.02482	3.81E-01	1.06E-03	1.09E-07	1.29E-03	3.15E-02	1.10E-02	4.19E-03	3.89E-03	4.26E-01
2482	497188.92	3858720.93	0.07896	0.02472	0.04518	0.05354	0.14529	0.16677	0.0256	0.02472	3.79E-01	1.05E-03	1.08E-07	1.30E-03	3.13E-02	1.08E-02	4.17E-03	3.87E-03	4.24E-01
2483	497238.92	3858720.93	0.08522	0.02468	0.04568	0.05587	0.15211	0.17495	0.0261	0.02468	4.09E-01	1.05E-03	1.10E-07	1.35E-03	3.28E-02	1.13E-02	4.27E-03	3.87E-03	4.56E-01
2484	497088.92	3858770.93	0.08819	0.02489	0.04579	0.05507	0.15815	0.20102	0.0257	0.02489	4.23E-01	1.06E-03	1.10E-07	1.33E-03	3.41E-02	1.30E-02	4.20E-03	3.90E-03	4.73E-01
2485	497138.92	3858770.93	0.08741	0.02482	0.04508	0.05458	0.156	0.19582	0.0256	0.02482	4.19E-01	1.06E-03	1.08E-07	1.32E-03	3.36E-02	1.27E-02	4.19E-03	3.89E-03	4.68E-01
2486	497188.92	3858770.93	0.08728	0.02477	0.04452	0.05421	0.15099	0.19224	0.0256	0.02477	4.19E-01	1.05E-03	1.07E-07	1.31E-03	3.26E-02	1.24E-02	4.18E-03	3.88E-03	4.67E-01
2487	497238.92	3858770.93	0.09078	0.02471	0.0449	0.05603	0.16008	0.18845	0.0264	0.02471	4.36E-01	1.05E-03	1.08E-07	1.36E-03	3.45E-02	1.22E-02	4.32E-03	3.87E-03	4.85E-01
2488	497396.65	3858622.63	0.0849	0.02478	0.04677	0.05344	0.16648	0.16354	0.0275	0.02478	4.07E-01	1.05E-03	1.12E-07	1.29E-03	3.59E-02	1.06E-02	4.49E-03	3.88E-03	4.57E-01
2489	497496.65	3858622.63	0.0871	0.02504	0.0476	0.05411	0.17393	0.16873	0.0294	0.02504	4.18E-01	1.07E-03	1.14E-07	1.31E-03	3.75E-02	1.09E-02	4.80E-03	3.92E-03	4.70E-01
2490	497596.65	3858622.63	0.09077	0.02867	0.05281	0.06148	0.18558	0.16863	0.0309	0.02867	4.36E-01	1.22E-03	1.27E-07	1.49E-03	4.00E-02	1.09E-02	5.04E-03	4.49E-03	4.90E-01
2491	497696.65	3858622.63	0.09147	0.02935	0.05184	0.06561	0.19002	0.17488	0.032	0.02935	4.39E-01	1.25E-03	1.24E-07	1.59E-03	4.10E-02	1.13E-02	5.23E-03	4.60E-03	4.95E-01
2492	497796.65	3858622.63	0.09316	0.02899	0.05315	0.06705	0.20554	0.17991	0.0343	0.02899	4.47E-01	1.23E-03	1.27E-07	1.62E-03	4.43E-02	1.16E-02	5.60E-03	4.54E-03	5.07E-01
2493	497896.65	3858622.63	0.09615	0.02869	0.05368	0.06801	0.20338	0.16309	0.0355	0.02869	4.61E-01	1.22E-03	1.29E-07	1.65E-03	4.39E-02	1.06E-02	5.79E-03	4.49E-03	5.20E-01
2494	497396.65	3858722.63	0.09001	0.02443	0.04876	0.05822	0.1584	0.20014	0.0294	0.02443	4.32E-01	1.04E-03	1.17E-07	1.41E-03	3.42E-02	1.29E-02	4.79E-03	3.83E-03	4.82E-01
2495	497496.65	3858722.63	0.09199	0.02586	0.05162	0.05823	0.16566	0.20642	0.0299	0.02586	4.41E-01	1.10E-03	1.24E-07	1.41E-03	3.57E-02	1.34E-02	4.88E-03	4.05E-03	4.94E-01
2496	497596.65	3858722.63	0.09485	0.02664	0.05434	0.06399	0.17745	0.20732	0.0336	0.02664	4.55E-01	1.13E-03	1.30E-07	1.55E-03	3.83E-02	1.34E-02	5.48E-03	4.17E-03	5.11E-01
2497	497696.65	3858722.63	0.0962	0.02973	0.05496	0.06728	0.18523	0.18628	0.0337	0.02973	4.62E-01	1.26E-03	1.32E-07	1.63E-03	3.99E-02	1.21E-02	5.51E-03	4.66E-03	5.17E-01
2498	497796.65	3858722.63	0.09675	0.03176	0.05434	0.0675	0.19053	0.18316	0.0337	0.03176	4.64E-01	1.35E-03	1.30E-07	1.64E-03	4.11E-02	1.19E-02	5.50E-03	4.98E-03	5.21E-01
2499	497896.65	3858722.63	0.0976	0.03128	0.05587	0.06762	0.20085	0.17506	0.0365	0.03128	4.68E-01	1.33E-03	1.34E-07	1.64E-03	4.33E-02	1.13E-02	5.96E-03	4.90E-03	5.27E-01
2500	497396.65	3858822.63	0.09346	0.02459	0.05293	0.0577	0.17375	0.19216	0.0292	0.02459	4.49E-01	1.05E-03	1.27E-07	1.40E-03	3.75E-02	1.24E-02	4.77E-03	3.85E-03	5.02E-01
2501	497496.65	3858822.63	0.09438	0.02689	0.05447	0.06116	0.17098	0.18734	0.0298	0.02689	4.53E-01	1.14E-03	1.31E-07	1.48E-03	3.69E-02	1.21E-02	4.87E-03	4.21E-03	5.05E-01
2502	497596.65	3858822.63	0.09869	0.02749	0.05617	0.0646	0.18943	0.17804	0.0328	0.02749	4.74E-01	1.17E-03	1.35E-07	1.57E-03	4.09E-02	1.15E-02	5.35E-03	4.31E-03	5.30E-01
2503	497696.65	3858822.63	0.09926	0.02768	0.05796	0.0662	0.20086	0.1685	0.0349	0.02768	4.76E-01	1.18E-03	1.39E-07	1.60E-03	4.33E-02	1.09E-02	5.70E-03	4.34E-03	5.35E-01
2504	497796.65	3858822.63	0.09988	0.02998	0.05745	0.06747	0.20791	0.16359	0.0356	0.02998	4.79E-01	1.28E-03	1.38E-07	1.63E-03	4.48E-02	1.06E-02	5.81E-03	4.70E-03	5.39E-01

2505	497896.65	3858822.63	0.1019	0.03366	0.05945	0.06761	0.22265	0.16146	0.0371	0.03366	4.89E-01	1.43E-03	1.43E-07	1.64E-03	4.80E-02	1.04E-02	6.05E-03	5.27E-03	5.51E-01
2506	497396.65	3858922.63	0.0943	0.02505	0.05466	0.06088	0.17985	0.17973	0.0288	0.02505	4.53E-01	1.07E-03	1.31E-07	1.47E-03	3.88E-02	1.16E-02	4.71E-03	3.92E-03	5.06E-01
2507	497496.65	3858922.63	0.09833	0.02831	0.05453	0.06282	0.18167	0.16842	0.0308	0.02831	4.72E-01	1.20E-03	1.31E-07	1.52E-03	3.92E-02	1.09E-02	5.03E-03	4.43E-03	5.25E-01
2508	497596.65	3858922.63	0.09745	0.02826	0.05437	0.06279	0.17944	0.15662	0.0311	0.02826	4.68E-01	1.20E-03	1.30E-07	1.52E-03	3.87E-02	1.01E-02	5.07E-03	4.43E-03	5.20E-01
2509	497696.65	3858922.63	0.10068	0.02891	0.05693	0.06775	0.20137	0.15264	0.0334	0.02891	4.83E-01	1.23E-03	1.37E-07	1.64E-03	4.34E-02	9.88E-03	5.45E-03	4.53E-03	5.40E-01
2510	497796.65	3858922.63	0.10185	0.02919	0.0597	0.06775	0.21681	0.15222	0.0353	0.02919	4.89E-01	1.24E-03	1.43E-07	1.64E-03	4.68E-02	9.85E-03	5.77E-03	4.57E-03	5.49E-01
2511	497896.65	3858922.63	0.10417	0.03256	0.05966	0.06821	0.2353	0.15063	0.0382	0.03256	5.00E-01	1.39E-03	1.43E-07	1.65E-03	5.07E-02	9.75E-03	6.24E-03	5.10E-03	5.65E-01
2512	497364.44	3858201.52	0.06603	0.02541	0.03889	0.0493	0.13271	0.19346	0.0252	0.02541	3.17E-01	1.08E-03	9.33E-08	1.19E-03	2.86E-02	1.25E-02	4.11E-03	3.98E-03	3.60E-01
2513	497414.44	3858201.52	0.06777	0.02634	0.04072	0.05051	0.13293	0.18541	0.0253	0.02634	3.25E-01	1.12E-03	9.77E-08	1.22E-03	2.87E-02	1.20E-02	4.13E-03	4.13E-03	3.68E-01
2514	497464.44	3858201.52	0.06945	0.02714	0.04067	0.05191	0.1334	0.18008	0.0255	0.02714	3.33E-01	1.15E-03	9.75E-08	1.26E-03	2.88E-02	1.17E-02	4.16E-03	4.25E-03	3.76E-01
2515	497514.44	3858201.52	0.07038	0.02771	0.04044	0.053	0.13336	0.17825	0.0259	0.02771	3.38E-01	1.18E-03	9.70E-08	1.28E-03	2.88E-02	1.15E-02	4.23E-03	4.34E-03	3.80E-01
2516	497564.44	3858201.52	0.07012	0.02813	0.04061	0.05326	0.13193	0.17507	0.0263	0.02813	3.36E-01	1.20E-03	9.74E-08	1.29E-03	2.85E-02	1.13E-02	4.29E-03	4.41E-03	3.79E-01
2517	497614.44	3858201.52	0.07071	0.02865	0.04096	0.05332	0.13132	0.17108	0.0268	0.02865	3.39E-01	1.22E-03	9.82E-08	1.29E-03	2.83E-02	1.11E-02	4.38E-03	4.49E-03	3.81E-01
2518	497364.44	3858251.52	0.07074	0.02456	0.04089	0.05167	0.14248	0.18243	0.0255	0.02456	3.39E-01	1.04E-03	9.81E-08	1.25E-03	3.07E-02	1.18E-02	4.17E-03	3.85E-03	3.85E-01
2519	497414.44	3858251.52	0.07272	0.02553	0.04115	0.05349	0.14388	0.17495	0.0259	0.02553	3.49E-01	1.09E-03	9.87E-08	1.30E-03	3.10E-02	1.13E-02	4.22E-03	4.00E-03	3.94E-01
2520	497464.44	3858251.52	0.0722	0.02599	0.04122	0.05319	0.14178	0.17276	0.0258	0.02599	3.46E-01	1.11E-03	9.89E-08	1.29E-03	3.06E-02	1.12E-02	4.22E-03	4.07E-03	3.91E-01
2521	497514.44	3858251.52	0.07115	0.02637	0.04126	0.05175	0.13936	0.16416	0.0258	0.02637	3.41E-01	1.12E-03	9.90E-08	1.25E-03	3.01E-02	1.06E-02	4.21E-03	4.13E-03	3.85E-01
2522	497564.44	3858251.52	0.07102	0.02688	0.04136	0.05167	0.13804	0.15632	0.0258	0.02688	3.41E-01	1.14E-03	9.92E-08	1.25E-03	2.98E-02	1.01E-02	4.21E-03	4.21E-03	3.83E-01
2523	497614.44	3858251.52	0.0709	0.02737	0.04145	0.05178	0.13676	0.15614	0.0259	0.02737	3.40E-01	1.16E-03	9.94E-08	1.25E-03	2.95E-02	1.01E-02	4.22E-03	4.29E-03	3.82E-01
2524	497364.44	3858301.52	0.07305	0.02336	0.04242	0.0552	0.13517	0.174	0.0256	0.02336	3.51E-01	9.94E-04	1.02E-07	1.34E-03	2.92E-02	1.13E-02	4.19E-03	3.66E-03	3.94E-01
2525	497414.44	3858301.52	0.07393	0.02419	0.04213	0.05533	0.13601	0.16924	0.0261	0.02419	3.55E-01	1.03E-03	1.01E-07	1.34E-03	2.93E-02	1.10E-02	4.27E-03	3.79E-03	3.98E-01
2526	497464.44	3858301.52	0.07317	0.02462	0.04172	0.05499	0.13678	0.1612	0.026	0.02462	3.51E-01	1.05E-03	1.00E-07	1.33E-03	2.95E-02	1.04E-02	4.24E-03	3.86E-03	3.94E-01
2527	497514.44	3858301.52	0.07275	0.02511	0.04134	0.05476	0.13755	0.15728	0.026	0.02511	3.49E-01	1.07E-03	9.91E-08	1.33E-03	2.97E-02	1.02E-02	4.25E-03	3.93E-03	3.92E-01
2528	497564.44	3858301.52	0.07196	0.0255	0.04123	0.05305	0.1383	0.15308	0.0259	0.0255	3.45E-01	1.08E-03	9.89E-08	1.29E-03	2.98E-02	9.90E-03	4.23E-03	3.99E-03	3.88E-01
2529	497614.44	3858301.52	0.07175	0.02603	0.04158	0.05295	0.13907	0.15357	0.026	0.02603	3.44E-01	1.11E-03	9.97E-08	1.28E-03	3.00E-02	9.94E-03	4.24E-03	4.08E-03	3.87E-01
2530	497364.44	3858351.52	0.07486	0.02438	0.04233	0.05454	0.13577	0.16824	0.0264	0.02438	3.59E-01	1.04E-03	1.02E-07	1.32E-03	2.93E-02	1.09E-02	4.30E-03	3.82E-03	4.02E-01
2531	497414.44	3858351.52	0.07446	0.02391	0.04262	0.0544	0.13433	0.16211	0.0263	0.02391	3.57E-01	1.02E-03	1.02E-07	1.32E-03	2.90E-02	1.05E-02	4.30E-03	3.75E-03	4.00E-01
2532	497464.44	3858351.52	0.07445	0.02349	0.04309	0.05427	0.13323	0.15679	0.0264	0.02349	3.57E-01	9.99E-04	1.03E-07	1.31E-03	2.87E-02	1.01E-02	4.30E-03	3.68E-03	3.99E-01
2533	497514.44	3858351.52	0.07416	0.02383	0.04339	0.05414	0.13189	0.15241	0.0263	0.02383	3.56E-01	1.01E-03	1.04E-07	1.31E-03	2.84E-02	9.86E-03	4.30E-03	3.73E-03	3.97E-01
2534	497564.44	3858351.52	0.07309	0.02418	0.04326	0.05399	0.12989	0.14928	0.0258	0.02418	3.51E-01	1.03E-03	1.04E-07	1.31E-03	2.80E-02	9.66E-03	4.22E-03	3.79E-03	3.91E-01
2535	497614.44	3858351.52	0.07303	0.02476	0.04365	0.05386	0.12877	0.14603	0.0259	0.02476	3.50E-01	1.05E-03	1.05E-07	1.30E-03	2.78E-02	9.45E-03	4.22E-03	3.88E-03	3.90E-01
2536	497364.44	3858401.52	0.07543	0.02518	0.04318	0.05142	0.14006	0.16164	0.026	0.02518	3.62E-01	1.07E-03	1.04E-07	1.25E-03	3.02E-02	1.05E-02	4.24E-03	3.94E-03	4.05E-01
2537	497414.44	3858401.52	0.07543	0.02495	0.04429	0.0513	0.13852	0.1593	0.0264	0.02495	3.62E-01	1.06E-03	1.06E-07	1.24E-03	2.99E-02	1.03E-02	4.31E-03	3.91E-03	4.05E-01
2538	497464.44	3858401.52	0.07496	0.02445	0.0445	0.0512	0.1371	0.15313	0.0263	0.02445	3.60E-01	1.04E-03	1.07E-07	1.24E-03	2.96E-02	9.91E-03	4.29E-03	3.83E-03	4.02E-01
2539	497514.44	3858401.52	0.07482	0.024	0.04485	0.0511	0.13596	0.15119	0.0264	0.024	3.59E-01	1.02E-03	1.08E-07	1.24E-03	2.93E-02	9.78E-03	4.30E-03	3.76E-03	4.01E-01
2540	497564.44	3858401.52	0.07601	0.02377	0.045	0.05409	0.13751	0.14846	0.0268	0.02377	3.65E-01	1.01E-03	1.08E-07	1.31E-03	2.97E-02	9.61E-03	4.37E-03	3.72E-03	4.07E-01
2541	497614.44	3858401.52	0.07643	0.02419	0.04542	0.05435	0.13807	0.14562	0.0269	0.02419	3.67E-01	1.03E-03	1.09E-07	1.32E-03	2.98E-02	9.42E-03	4.39E-03	3.79E-03	4.09E-01
2542	493478.11	3860497.94	0.15157	0.15077	0.22744	0.24928	0.25295	0.54878	0.1417	0.15077	7.27E-01	6.42E-03	5.45E-07	6.04E-03	5.46E-02	3.55E-02	2.31E-02	2.36E-02	8.29E-01
2543	493528.11	3860497.94	0.14788	0.14721	0.21797	0.23695	0.23661	0.54951	0.1392	0.14721	7.10E-01	6.26E-03	5.23E-07	5.74E-03	5.10E-02	3.56E-02	2.27E-02	2.31E-02	8.08E-01
2544	493478.11	3860547.94	0.14907	0.15931	0.24546	0.26392	0.27501	0.46794	0.1515	0.15931	7.15E-01	6.78E-03	5.89E-07	6.39E-03	5.93E-02	3.03E-02	2.47E-02	2.50E-02	8.18E-01
2545	493528.11	3860547.94	0.14819	0.1559	0.23417	0.26531	0.25601	0.4625	0.1466	0.1559	7.11E-01	6.63E-03	5.62E-07	6.43E-03	5.52E-02	2.99E-02	2.39E-02	2.44E-02	8.09E-01
2546	493478.11	3860597.94	0.14851	0.16608	0.23266	0.27666	0.30013	0.45233	0.1618	0.16608	7.13E-01	7.07E-03	5.58E-07	6.70E-03	6.47E-02	2.93E-02	2.64E-02	2.60E-02	8.21E-01
2547	493528.11	3860597.94	0.14688	0.1632	0.23553	0.26548	0.27925	0.438	0.1584	0.1632	7.05E-01	6.94E-03	5.65E-07	6.43E-03	6.02E-02	2.83E-02	2.59E-02	2.56E-02	8.07E-01
2548	493561.88	3860524.64	0.14714	0.14938	0.22059	0.24504	0.23562	0.49173	0.1414	0.14938	7.06E-01	6.36E-03	5.29E-07	5.94E-03	5.08E-02	3.18E-02	2.31E-02	2.34E-02	8.01E-01
2549	493591.88	3860524.64	0.14471	0.14692	0.21625	0.23797	0.2269	0.48267	0.1391	0.14692	6.94E-01	6.25E-03	5.19E-07	5.77E-03	4.89E-02	3.12E-02	2.27E-02	2.30E-02	7.86E-01
2550	493561.88	3860554.64	0.14712	0.15449	0.22987	0.26308	0.24703	0.45103	0.1457	0.15449	7.06E-01	6.57E-03	5.51E-07	6.37E-03	5.33E-02	2.92E-02	2.38E-02	2.42E-02	8.01E-01
2551	493591.88	3860554.64	0.14697	0.15158	0.22625	0.25638	0.23771	0.45432	0.1425	0.15158	7.05E-01	6.45E-03	5.43E-07	6.21E-03	5.13E-02	2.94E-02	2.33E-02	2.37E-02	7.98E-01
2552	492880.5	3860293.11	0.17586	0.16838	0.25308	0.34509	0.37714	1.67864	0.1688	0.16838	8.44E-01	7.16E-03	6.07E-07	8.36E-03	8.13E-02	1.09E-01	2.75E-02	2.64E-02	1.05E+00
2553	492930.5	3860293.11	0.17453	0.16301	0.24489	0.33388	0.37617	1.64225	0.1621	0.16301	8.38E-01	6.94E-03	5.87E-07	8.09E-03	8.11E-02	1.06E-01	2.65E-02	2.55E-02	1.04E+00
2554	492980.5	3860293.11	0.17077	0.15848	0.2399	0.30833	0.35319	1.58522	0.1551	0.15848	8.20E-01	6.74E-03	5.75E-07	7.47E-03	7.62E-02	1.03E-01	2.53E-02	2.48E-02	1.01E+00
2555	493030.5	3860293.11	0.17028	0.15842	0.24779	0.30637	0.33456	1.54431	0.1464	0.15842	8.17E-01	6.74E-03	5.94E-07	7.42E-03	7.22E-02	9.99E-02	2.39E-02	2.48E-02	1.00E+00
2556	493080.5	3860293.11	0.17168	0.14986	0.24874	0.29441	0.31699	1.64128	0.1399	0.14986	8.24E-01	6.38E-03	5.97E-07	7.13E-03	6.84E-02	1.06E-01	2.28E-02	2.35E-02	1.01E+00
2557	493130.5	3860293.11	0.16776	0.15378	0.24033	0.29784	0.29458	1.65146	0.137	0.15378	8.05E-01	6.54E-03	5.76E-07	7.22E-03	6.35E-02	1.07E-01	2.24E-02	2.41E-02	9.87E-01
2558	493180.5	3860293.11	0.16453	0.152	0.24889	0.27812	0.26971	1.55581	0.1389	0.152	7.90E-01	6.47E-03	5.97E-07	6.74E-03	5.82E-02	1.01E-01	2.27E-02	2.38E-02	9.60E-01
2559	493230.5	3860293.11	0.16271	0.14965	0.25052	0.26203	0.24659	1.50162	0.1359	0.14965	7.81E-01	6.37E-03	6.01E-07	6.35E-03	5.32E-02	9.72E-02	2.22E-02	2.34E-02	9.43E-01
2560	493280.5	3860293.11	0.16256	0.1469	0.23712	0.25261	0.22603	1.56623	0.1294	0.1469	7.80E-01	6.25E-03	5.69E-07	6.12E-03	4.87E-02	1.01E-01	2.11E-02	2.30E-02	9.41E-01
2561	493330.5	3860293.11	0.16181	0.14398	0.22835	0.24699	0.20626	1.58153	0.1243	0.14398	7.77E-01	6.13E-03	5.48E-07	5.98E-03	4.45E-02	1.02E-01	2.03E-02	2.26E-02	9.33E-01

2562	493380.5	3860293.11	0.16081	0.14053	0.22171	0.23674	0.20001	1.56538	0.1212	0.14053	7.72E-01	5.98E-03	5.32E-07	5.74E-03	4.31E-02	1.01E-01	1.98E-02	2.20E-02	9.26E-01
2563	492880.5	3860343.11	0.17516	0.17633	0.27413	0.33991	0.35988	1.18868	0.1749	0.17633	8.41E-01	7.50E-03	6.57E-07	8.23E-03	7.76E-02	7.69E-02	2.85E-02	2.76E-02	1.01E+00
2564	492930.5	3860343.11	0.17312	0.17129	0.2645	0.33064	0.36626	1.03372	0.1697	0.17129	8.31E-01	7.29E-03	6.34E-07	8.01E-03	7.90E-02	6.69E-02	2.77E-02	2.68E-02	9.93E-01
2565	492980.5	3860343.11	0.17344	0.1678	0.25839	0.32733	0.37439	0.95519	0.1527	0.1678	8.32E-01	7.14E-03	6.20E-07	7.93E-03	8.07E-02	6.18E-02	2.49E-02	2.63E-02	9.89E-01
2566	493030.5	3860343.11	0.17201	0.1636	0.24638	0.32552	0.36151	0.89887	0.1495	0.1636	8.25E-01	6.96E-03	5.91E-07	7.89E-03	7.80E-02	5.82E-02	2.44E-02	2.56E-02	9.75E-01
2567	493080.5	3860343.11	0.17173	0.1606	0.24269	0.32932	0.34203	0.96882	0.1459	0.1606	8.24E-01	6.83E-03	5.82E-07	7.98E-03	7.38E-02	6.27E-02	2.38E-02	2.52E-02	9.74E-01
2568	493130.5	3860343.11	0.1691	0.15762	0.23885	0.30439	0.31858	0.9224	0.1447	0.15762	8.11E-01	6.71E-03	5.73E-07	7.37E-03	6.87E-02	5.97E-02	2.36E-02	2.47E-02	9.53E-01
2569	493180.5	3860343.11	0.16557	0.1545	0.2296	0.27901	0.2952	0.87659	0.1438	0.1545	7.95E-01	6.57E-03	5.51E-07	6.76E-03	6.37E-02	5.67E-02	2.35E-02	2.42E-02	9.28E-01
2570	493230.5	3860343.11	0.16376	0.15216	0.22581	0.27065	0.2763	0.86844	0.1419	0.15216	7.86E-01	6.47E-03	5.42E-07	6.56E-03	5.96E-02	5.62E-02	2.32E-02	2.38E-02	9.14E-01
2571	493280.5	3860343.11	0.16336	0.15182	0.22638	0.26837	0.25745	0.90497	0.1382	0.15182	7.84E-01	6.46E-03	5.43E-07	6.50E-03	5.55E-02	5.86E-02	2.26E-02	2.38E-02	9.10E-01
2572	493330.5	3860343.11	0.16267	0.14943	0.22426	0.25821	0.2363	0.92336	0.1327	0.14943	7.81E-01	6.36E-03	5.38E-07	6.26E-03	5.10E-02	5.97E-02	2.17E-02	2.34E-02	9.02E-01
2573	493380.5	3860343.11	0.16142	0.14707	0.23095	0.26024	0.21541	0.93086	0.1294	0.14707	7.75E-01	6.26E-03	5.54E-07	6.30E-03	4.65E-02	6.02E-02	2.11E-02	2.30E-02	8.92E-01
2574	492880.5	3860393.11	0.17541	0.1901	0.29115	0.3661	0.36314	1.28964	0.189	0.1901	8.42E-01	8.09E-03	6.98E-07	8.87E-03	7.83E-02	8.34E-02	3.09E-02	2.98E-02	1.02E+00
2575	492930.5	3860393.11	0.17471	0.18397	0.28884	0.35963	0.34765	1.03309	0.1808	0.18397	8.38E-01	7.83E-03	6.93E-07	8.71E-03	7.50E-02	6.68E-02	2.95E-02	2.88E-02	9.97E-01
2576	492980.5	3860393.11	0.17376	0.17656	0.28274	0.33404	0.35708	0.86547	0.1689	0.17656	8.34E-01	7.51E-03	6.78E-07	8.09E-03	7.70E-02	5.60E-02	2.76E-02	2.77E-02	9.82E-01
2577	493030.5	3860393.11	0.17236	0.16912	0.27359	0.30921	0.36355	0.80663	0.1584	0.16912	8.27E-01	7.20E-03	6.56E-07	7.49E-03	7.84E-02	5.22E-02	2.59E-02	2.65E-02	9.72E-01
2578	493080.5	3860393.11	0.1725	0.16636	0.25076	0.31998	0.37013	0.74469	0.1528	0.16636	8.28E-01	7.08E-03	6.01E-07	7.75E-03	7.98E-02	4.82E-02	2.49E-02	2.61E-02	9.70E-01
2579	493130.5	3860393.11	0.16969	0.16307	0.24481	0.29723	0.34475	0.72962	0.1479	0.16307	8.14E-01	6.94E-03	5.87E-07	7.20E-03	7.44E-02	4.72E-02	2.41E-02	2.55E-02	9.49E-01
2580	493180.5	3860393.11	0.1657	0.15991	0.24308	0.28023	0.31924	0.71505	0.1489	0.15991	7.95E-01	6.80E-03	5.83E-07	6.79E-03	6.89E-02	4.63E-02	2.43E-02	2.51E-02	9.23E-01
2581	493230.5	3860393.11	0.16418	0.15682	0.23305	0.27892	0.29844	0.70756	0.1452	0.15682	7.88E-01	6.67E-03	5.59E-07	6.76E-03	6.44E-02	4.58E-02	2.37E-02	2.46E-02	9.11E-01
2582	493280.5	3860393.11	0.16407	0.1518	0.22041	0.28668	0.28105	0.69751	0.1424	0.1518	7.87E-01	6.46E-03	5.29E-07	6.95E-03	6.06E-02	4.51E-02	2.33E-02	2.38E-02	9.06E-01
2583	493330.5	3860393.11	0.16355	0.14807	0.22138	0.27938	0.26434	0.71052	0.1394	0.14807	7.85E-01	6.30E-03	5.31E-07	6.77E-03	5.70E-02	4.60E-02	2.28E-02	2.32E-02	9.00E-01
2584	493380.5	3860393.11	0.16232	0.14517	0.21965	0.26444	0.24587	0.72022	0.1362	0.14517	7.79E-01	6.18E-03	5.27E-07	6.41E-03	5.30E-02	4.66E-02	2.22E-02	2.27E-02	8.91E-01
2585	492880.5	3860443.11	0.1743	0.20497	0.25671	0.37241	0.3905	1.22349	0.193	0.20497	8.36E-01	8.72E-03	6.16E-07	9.02E-03	8.42E-02	7.92E-02	3.15E-02	3.21E-02	1.02E+00
2586	492930.5	3860443.11	0.17261	0.19863	0.26405	0.38387	0.36847	0.99455	0.1899	0.19863	8.28E-01	8.45E-03	6.33E-07	9.30E-03	7.95E-02	6.43E-02	3.10E-02	3.11E-02	9.90E-01
2587	492980.5	3860443.11	0.17201	0.19062	0.27333	0.36514	0.34783	0.83882	0.1866	0.19062	8.25E-01	8.11E-03	6.56E-07	8.85E-03	7.50E-02	5.43E-02	3.05E-02	2.99E-02	9.72E-01
2588	493030.5	3860443.11	0.16965	0.18266	0.28139	0.34592	0.34491	0.76529	0.1782	0.18266	8.14E-01	7.77E-03	6.75E-07	8.38E-03	7.44E-02	4.95E-02	2.91E-02	2.86E-02	9.55E-01
2589	493080.5	3860443.11	0.16601	0.17632	0.28533	0.32487	0.3517	0.72445	0.1713	0.17632	7.97E-01	7.50E-03	6.84E-07	7.87E-03	7.59E-02	4.69E-02	2.80E-02	2.76E-02	9.35E-01
2590	493130.5	3860443.11	0.16399	0.16991	0.275	0.32111	0.35649	0.71062	0.1626	0.16991	7.87E-01	7.23E-03	6.60E-07	7.78E-03	7.69E-02	4.60E-02	2.65E-02	2.66E-02	9.25E-01
2591	493180.5	3860443.11	0.16193	0.168	0.25997	0.30003	0.34495	0.68621	0.1605	0.168	7.77E-01	7.15E-03	6.23E-07	7.27E-03	7.44E-02	4.44E-02	2.62E-02	2.63E-02	9.10E-01
2592	493230.5	3860443.11	0.16177	0.15954	0.25353	0.28162	0.32482	0.66635	0.1492	0.15954	7.76E-01	6.79E-03	6.08E-07	6.82E-03	7.01E-02	4.31E-02	2.44E-02	2.50E-02	9.02E-01
2593	493280.5	3860443.11	0.16126	0.157	0.24376	0.2682	0.30439	0.64791	0.1444	0.157	7.74E-01	6.68E-03	5.85E-07	6.50E-03	6.56E-02	4.19E-02	2.36E-02	2.46E-02	8.94E-01
2594	493330.5	3860443.11	0.16117	0.15558	0.22947	0.2708	0.28598	0.6569	0.1399	0.15558	7.73E-01	6.62E-03	5.50E-07	6.56E-03	6.17E-02	4.25E-02	2.28E-02	2.44E-02	8.89E-01
2595	493380.5	3860443.11	0.15985	0.15084	0.22295	0.25498	0.26697	0.65321	0.1384	0.15084	7.67E-01	6.42E-03	5.35E-07	6.18E-03	5.76E-02	4.23E-02	2.26E-02	2.36E-02	8.78E-01
2596	493180.5	3860493.11	0.16261	0.17744	0.26346	0.31692	0.34467	0.60658	0.1729	0.17744	7.80E-01	7.55E-03	6.32E-07	7.68E-03	7.43E-02	3.92E-02	2.82E-02	2.78E-02	9.10E-01
2597	493230.5	3860493.11	0.15948	0.17118	0.2689	0.30673	0.34947	0.59511	0.1662	0.17118	7.65E-01	7.28E-03	6.45E-07	7.43E-03	7.54E-02	3.85E-02	2.71E-02	2.68E-02	8.94E-01
2598	493280.5	3860493.11	0.15755	0.16427	0.26724	0.29053	0.331	0.57728	0.1573	0.16427	7.56E-01	6.99E-03	6.41E-07	7.04E-03	7.14E-02	3.74E-02	2.57E-02	2.57E-02	8.79E-01
2599	493330.5	3860493.11	0.15704	0.15995	0.25767	0.28983	0.30985	0.5914	0.1494	0.15995	7.54E-01	6.81E-03	6.18E-07	7.02E-03	6.68E-02	3.83E-02	2.44E-02	2.51E-02	8.72E-01
2600	493380.5	3860493.11	0.15593	0.15494	0.24659	0.27358	0.2887	0.57493	0.1444	0.15494	7.48E-01	6.59E-03	5.91E-07	6.63E-03	6.23E-02	3.72E-02	2.36E-02	2.43E-02	8.60E-01
2601	493330.5	3860543.11	0.15664	0.16808	0.25311	0.29776	0.33706	0.52855	0.1636	0.16808	7.52E-01	7.15E-03	6.07E-07	7.21E-03	7.27E-02	3.42E-02	2.67E-02	2.63E-02	8.73E-01
2602	493380.5	3860543.11	0.15372	0.16482	0.25525	0.2881	0.3141	0.48823	0.1599	0.16482	7.38E-01	7.01E-03	6.12E-07	6.98E-03	6.77E-02	3.16E-02	2.61E-02	2.58E-02	8.51E-01
2603	494135.94	3860876.85	0.12279	0.16056	0.15616	0.19198	0.1947	0.26883	0.1543	0.16056	5.89E-01	6.83E-03	3.75E-07	4.65E-03	4.20E-02	1.74E-02	2.52E-02	2.52E-02	6.60E-01
2604	494185.94	3860876.85	0.122	0.15934	0.15785	0.19368	0.1823	0.27757	0.1504	0.15934	5.85E-01	6.78E-03	3.79E-07	4.69E-03	3.93E-02	1.80E-02	2.45E-02	2.50E-02	6.54E-01
2605	494135.94	3860926.85	0.12249	0.16959	0.15299	0.19504	0.21332	0.2662	0.1631	0.16959	5.88E-01	7.22E-03	3.67E-07	4.73E-03	4.60E-02	1.72E-02	2.66E-02	2.66E-02	6.63E-01
2606	494185.94	3860926.85	0.1218	0.16523	0.15879	0.19296	0.19857	0.25195	0.1593	0.16523	5.85E-01	7.03E-03	3.81E-07	4.67E-03	4.28E-02	1.63E-02	2.60E-02	2.59E-02	6.55E-01
2607	494135.94	3860976.85	0.12172	0.17371	0.15747	0.17935	0.23411	0.25527	0.1723	0.17371	5.84E-01	7.39E-03	3.78E-07	4.35E-03	5.05E-02	1.65E-02	2.81E-02	2.72E-02	6.64E-01
2608	494185.94	3860976.85	0.1212	0.17201	0.15128	0.18247	0.21807	0.26195	0.1684	0.17201	5.82E-01	7.32E-03	3.63E-07	4.42E-03	4.70E-02	1.69E-02	2.75E-02	2.69E-02	6.58E-01
2609	494135.94	3861026.85	0.12017	0.18447	0.16722	0.16429	0.25598	0.21654	0.1811	0.18447	5.77E-01	7.85E-03	4.01E-07	3.98E-03	5.52E-02	1.40E-02	2.96E-02	2.89E-02	6.58E-01
2610	494185.94	3861026.85	0.11996	0.17975	0.16067	0.16206	0.23912	0.22691	0.1763	0.17975	5.76E-01	7.65E-03	3.85E-07	3.93E-03	5.16E-02	1.47E-02	2.88E-02	2.82E-02	6.54E-01
2611	494135.94	3861076.85	0.12089	0.19808	0.16516	0.16572	0.26699	0.19006	0.1951	0.19808	5.80E-01	8.43E-03	3.96E-07	4.01E-03	5.76E-02	1.23E-02	3.18E-02	3.10E-02	6.63E-01
2612	494185.94	3861076.85	0.11796	0.19374	0.16447	0.16209	0.26108	0.1889	0.1882	0.19374	5.66E-01	8.24E-03	3.94E-07	3.93E-03	5.63E-02	1.22E-02	3.07E-02	3.03E-02	6.47E-01
2613	490360.04	3858710.04	0.25522	0.15509	0.37951	0.54991	0.80948	0.3111	0.1507	0.15509	1.22E+00	6.60E-03	9.10E-07	1.33E-02	1.75E-01	2.01E-02	2.46E-02	2.43E-02	1.44E+00
2614	490410.04	3858710.04	0.25301	0.15008	0.35444	0.58832	0.76553	0.30473	0.1444	0.15008	1.21E+00	6.39E-03	8.50E-07	1.43E-02	1.65E-01	1.97E-02	2.36E-02	2.35E-02	1.42E+00
2615	490460.04	3858710.04	0.25166	0.14295	0.33997	0.56565	0.74691	0.29422	0.1422	0.14295	1.21E+00	6.08E-03	8.15E-07	1.37E-02	1.61E-01	1.90E-02	2.32E-02	2.24E-02	1.41E+00
2616	490510.04	3858710.04	0.2499	0.13816	0.42454	0.53789	0.70597	0.28604	0.1387	0.13816	1.20E+00	5.88E-03	1.02E-06	1.30E-02	1.52E-01	1.85E-02	2.26E-02	2.16E-02	1.39E+00
2617	490560.04	3858710.04	0.24805	0.13419	0.31047	0.48211	0.66054	0.27885	0.1339	0.13419	1.19E+00	5.71E-03	7.45E-07	1.17E-02	1.42E-01	1.80E-02	2.19E-02	2.10E-02	1.37E+00
2618	490610.04	3858710.04	0.24645	0.12989	0.28351	0.47271	0.68161	0.27046	0.1285	0.12989	1.18E+00	5.53E-03	6.80E-07	1.15E-02	1.47E-01	1.75E-02	2.10E-02	2.03E-02	1.36E+00

2619	490660.04	3858710.04	0.24424	0.12885	0.27451	0.49303	0.72959	0.26517	0.1263	0.12885	1.17E+00	5.48E-03	6.58E-07	1.19E-02	1.57E-01	1.72E-02	2.06E-02	2.02E-02	1.36E+00
2620	490710.04	3858710.04	0.24336	0.12493	0.29917	0.5088	0.77875	0.25493	0.1187	0.12493	1.17E+00	5.32E-03	7.18E-07	1.23E-02	1.68E-01	1.65E-02	1.94E-02	1.96E-02	1.37E+00
2621	490760.04	3858710.04	0.24305	0.12169	0.36939	0.49146	0.82409	0.24581	0.1124	0.12169	1.17E+00	5.18E-03	8.86E-07	1.19E-02	1.78E-01	1.59E-02	1.83E-02	1.91E-02	1.38E+00
2622	490810.04	3858710.04	0.24335	0.11836	0.35266	0.44973	0.76532	0.23691	0.1098	0.11836	1.17E+00	5.04E-03	8.46E-07	1.09E-02	1.65E-01	1.53E-02	1.79E-02	1.85E-02	1.36E+00
2623	490860.04	3858710.04	0.2443	0.11312	0.325	0.42763	0.6895	0.22851	0.1083	0.11312	1.17E+00	4.81E-03	7.79E-07	1.04E-02	1.49E-01	1.48E-02	1.77E-02	1.77E-02	1.35E+00
2624	490360.04	3858760.04	0.25761	0.16005	0.36857	0.5516	0.82422	0.31045	0.1546	0.16005	1.24E+00	6.81E-03	8.84E-07	1.34E-02	1.78E-01	2.01E-02	2.52E-02	2.51E-02	1.45E+00
2625	490410.04	3858760.04	0.2555	0.15415	0.34465	0.52173	0.80837	0.29867	0.1464	0.15415	1.23E+00	6.56E-03	8.27E-07	1.26E-02	1.74E-01	1.93E-02	2.39E-02	2.41E-02	1.44E+00
2626	490460.04	3858760.04	0.25374	0.14761	0.46454	0.51502	0.78565	0.28564	0.1436	0.14761	1.22E+00	6.28E-03	1.11E-06	1.25E-02	1.69E-01	1.85E-02	2.34E-02	2.31E-02	1.42E+00
2627	490510.04	3858760.04	0.25225	0.1408	0.32665	0.4608	0.72585	0.27222	0.1404	0.1408	1.21E+00	5.99E-03	7.83E-07	1.12E-02	1.57E-01	1.76E-02	2.29E-02	2.21E-02	1.40E+00
2628	490560.04	3858760.04	0.25049	0.13443	0.28899	0.45267	0.72	0.26216	0.1339	0.13443	1.20E+00	5.72E-03	6.93E-07	1.10E-02	1.55E-01	1.70E-02	2.19E-02	2.11E-02	1.39E+00
2629	490610.04	3858760.04	0.24906	0.13005	0.29186	0.4565	0.67943	0.25154	0.1268	0.13005	1.20E+00	5.53E-03	7.00E-07	1.11E-02	1.47E-01	1.63E-02	2.07E-02	2.04E-02	1.37E+00
2630	490660.04	3858760.04	0.2476	0.12661	0.35102	0.47573	0.63495	0.24648	0.1206	0.12661	1.19E+00	5.39E-03	8.42E-07	1.15E-02	1.37E-01	1.59E-02	1.97E-02	1.98E-02	1.36E+00
2631	490710.04	3858760.04	0.24636	0.1234	0.42569	0.49575	0.6492	0.24338	0.1143	0.1234	1.18E+00	5.25E-03	1.02E-06	1.20E-02	1.40E-01	1.57E-02	1.87E-02	1.93E-02	1.35E+00
2632	490760.04	3858760.04	0.2457	0.11922	0.4065	0.42974	0.69803	0.24018	0.111	0.11922	1.18E+00	5.07E-03	9.75E-07	1.04E-02	1.51E-01	1.55E-02	1.81E-02	1.87E-02	1.36E+00
2633	490810.04	3858760.04	0.24506	0.11532	0.38614	0.40828	0.74436	0.23317	0.1096	0.11532	1.18E+00	4.91E-03	9.26E-07	9.89E-03	1.61E-01	1.51E-02	1.79E-02	1.81E-02	1.37E+00
2634	490860.04	3858760.04	0.24421	0.11202	0.36596	0.39953	0.7876	0.22537	0.1083	0.11202	1.17E+00	4.77E-03	8.78E-07	9.68E-03	1.70E-01	1.46E-02	1.77E-02	1.75E-02	1.37E+00
2635	490360.04	3858810.04	0.26052	0.1638	0.38343	0.50085	0.85354	0.31453	0.1559	0.1638	1.25E+00	6.97E-03	9.20E-07	1.21E-02	1.84E-01	2.04E-02	2.55E-02	2.57E-02	1.47E+00
2636	490410.04	3858810.04	0.25826	0.15695	0.45762	0.48612	0.81473	0.30161	0.1474	0.15695	1.24E+00	6.68E-03	1.10E-06	1.18E-02	1.76E-01	1.95E-02	2.41E-02	2.46E-02	1.45E+00
2637	490460.04	3858810.04	0.25627	0.14987	0.32036	0.45815	0.80479	0.28832	0.1447	0.14987	1.23E+00	6.38E-03	7.68E-07	1.11E-02	1.74E-01	1.87E-02	2.36E-02	2.35E-02	1.44E+00
2638	490510.04	3858810.04	0.25406	0.14453	0.27071	0.44433	0.78576	0.27851	0.1428	0.14453	1.22E+00	6.15E-03	6.49E-07	1.08E-02	1.69E-01	1.80E-02	2.33E-02	2.26E-02	1.42E+00
2639	490560.04	3858810.04	0.25221	0.13645	0.31235	0.43337	0.75334	0.26812	0.1373	0.13645	1.21E+00	5.81E-03	7.49E-07	1.05E-02	1.62E-01	1.73E-02	2.24E-02	2.14E-02	1.41E+00
2640	490610.04	3858810.04	0.2512	0.13151	0.43796	0.47453	0.68482	0.25561	0.1274	0.13151	1.21E+00	5.60E-03	1.05E-06	1.15E-02	1.48E-01	1.65E-02	2.08E-02	2.06E-02	1.39E+00
2641	490660.04	3858810.04	0.24999	0.12685	0.43807	0.46559	0.69373	0.25204	0.12	0.12685	1.20E+00	5.40E-03	1.05E-06	1.13E-02	1.50E-01	1.63E-02	1.96E-02	1.99E-02	1.38E+00
2642	490710.04	3858810.04	0.24921	0.12235	0.43336	0.43436	0.65344	0.24831	0.1148	0.12235	1.20E+00	5.21E-03	1.04E-06	1.05E-02	1.41E-01	1.61E-02	1.87E-02	1.92E-02	1.37E+00
2643	490760.04	3858810.04	0.24928	0.11669	0.41486	0.40155	0.61035	0.23246	0.1132	0.11669	1.20E+00	4.96E-03	9.95E-07	9.73E-03	1.32E-01	1.50E-02	1.85E-02	1.83E-02	1.36E+00
2644	490810.04	3858810.04	0.24763	0.1145	0.4027	0.38767	0.61713	0.22604	0.1123	0.1145	1.19E+00	4.87E-03	9.66E-07	9.39E-03	1.33E-01	1.46E-02	1.83E-02	1.79E-02	1.35E+00
2645	490860.04	3858810.04	0.2473	0.10986	0.38307	0.36363	0.66342	0.21153	0.1114	0.10986	1.19E+00	4.67E-03	9.19E-07	8.81E-03	1.43E-01	1.37E-02	1.82E-02	1.72E-02	1.36E+00
2646	490360.04	3858860.04	0.26591	0.16559	0.41978	0.4832	0.9362	0.32512	0.1568	0.16559	1.28E+00	7.05E-03	1.01E-06	1.17E-02	2.02E-01	2.10E-02	2.56E-02	2.59E-02	1.52E+00
2647	490410.04	3858860.04	0.26049	0.16123	0.34707	0.47027	0.8729	0.31699	0.1509	0.16123	1.25E+00	6.86E-03	8.32E-07	1.14E-02	1.88E-01	2.05E-02	2.46E-02	2.53E-02	1.48E+00
2648	490460.04	3858860.04	0.25862	0.15266	0.27402	0.45143	0.80994	0.30118	0.1459	0.15266	1.24E+00	6.50E-03	6.57E-07	1.09E-02	1.75E-01	1.95E-02	2.38E-02	2.39E-02	1.45E+00
2649	490510.04	3858860.04	0.256	0.1485	0.40824	0.44015	0.79299	0.29387	0.1441	0.1485	1.23E+00	6.32E-03	9.79E-07	1.07E-02	1.71E-01	1.90E-02	2.35E-02	2.33E-02	1.44E+00
2650	490560.04	3858860.04	0.25456	0.14151	0.42451	0.43097	0.7808	0.28021	0.1401	0.14151	1.22E+00	6.02E-03	1.02E-06	1.04E-02	1.68E-01	1.81E-02	2.29E-02	2.22E-02	1.43E+00
2651	490610.04	3858860.04	0.25416	0.13398	0.42044	0.46425	0.76258	0.26196	0.1267	0.13398	1.22E+00	5.70E-03	1.01E-06	1.12E-02	1.64E-01	1.69E-02	2.07E-02	2.10E-02	1.42E+00
2652	490660.04	3858860.04	0.2529	0.12927	0.44918	0.44899	0.71299	0.25132	0.1192	0.12927	1.21E+00	5.50E-03	1.08E-06	1.09E-02	1.54E-01	1.63E-02	1.95E-02	2.03E-02	1.40E+00
2653	490710.04	3858860.04	0.25127	0.125	0.41266	0.42504	0.65283	0.24256	0.1177	0.125	1.21E+00	5.32E-03	9.90E-07	1.03E-02	1.41E-01	1.57E-02	1.92E-02	1.96E-02	1.38E+00
2654	490760.04	3858860.04	0.25111	0.11863	0.40026	0.39064	0.66772	0.22779	0.1161	0.11863	1.21E+00	5.05E-03	9.60E-07	9.46E-03	1.44E-01	1.47E-02	1.89E-02	1.86E-02	1.38E+00
2655	490810.04	3858860.04	0.25085	0.11303	0.35403	0.37138	0.62765	0.21795	0.1148	0.11303	1.20E+00	4.81E-03	8.49E-07	9.00E-03	1.35E-01	1.41E-02	1.87E-02	1.77E-02	1.37E+00
2656	490860.04	3858860.04	0.25081	0.10746	0.30137	0.32865	0.58439	0.20786	0.1115	0.10746	1.20E+00	4.57E-03	7.23E-07	7.96E-03	1.26E-01	1.34E-02	1.82E-02	1.68E-02	1.36E+00
2657	490360.04	3858910.04	0.27229	0.17584	0.35847	0.49694	0.99188	0.33134	0.16	0.17584	1.31E+00	7.48E-03	8.60E-07	1.20E-02	2.14E-01	2.14E-02	2.61E-02	2.75E-02	1.56E+00
2658	490410.04	3858910.04	0.26657	0.16914	0.34357	0.45834	0.94288	0.31875	0.156	0.16914	1.28E+00	7.20E-03	8.24E-07	1.11E-02	2.03E-01	2.06E-02	2.55E-02	2.65E-02	1.52E+00
2659	490460.04	3858910.04	0.26142	0.159	0.35111	0.45748	0.88764	0.30495	0.1476	0.159	1.25E+00	6.77E-03	8.42E-07	1.11E-02	1.91E-01	1.97E-02	2.41E-02	2.49E-02	1.48E+00
2660	490510.04	3858910.04	0.25949	0.15068	0.5405	0.43315	0.82752	0.2896	0.1449	0.15068	1.25E+00	6.41E-03	1.30E-06	1.05E-02	1.78E-01	1.87E-02	2.36E-02	2.36E-02	1.46E+00
2661	490560.04	3858910.04	0.25826	0.14165	0.45023	0.43604	0.78018	0.27117	0.1402	0.14165	1.24E+00	6.03E-03	1.08E-06	1.06E-02	1.68E-01	1.75E-02	2.29E-02	2.22E-02	1.44E+00
2662	490610.04	3858910.04	0.25727	0.13398	0.41075	0.42936	0.77344	0.25776	0.1282	0.13398	1.23E+00	5.70E-03	9.85E-07	1.04E-02	1.67E-01	1.67E-02	2.09E-02	2.10E-02	1.43E+00
2663	490660.04	3858910.04	0.25587	0.13312	0.36123	0.40527	0.75852	0.24773	0.1217	0.13312	1.23E+00	5.66E-03	8.66E-07	9.82E-03	1.64E-01	1.60E-02	1.99E-02	2.09E-02	1.42E+00
2664	490710.04	3858910.04	0.255	0.12321	0.36897	0.38897	0.73748	0.23752	0.1198	0.12321	1.22E+00	5.24E-03	8.85E-07	9.42E-03	1.59E-01	1.54E-02	1.96E-02	1.93E-02	1.41E+00
2665	490760.04	3858910.04	0.25489	0.11995	0.35329	0.35964	0.67282	0.22538	0.1177	0.11995	1.22E+00	5.10E-03	8.47E-07	8.71E-03	1.45E-01	1.46E-02	1.92E-02	1.88E-02	1.40E+00
2666	490810.04	3858910.04	0.25389	0.11618	0.36113	0.33599	0.6275	0.21735	0.1137	0.11618	1.22E+00	4.94E-03	8.66E-07	8.14E-03	1.35E-01	1.41E-02	1.86E-02	1.82E-02	1.38E+00
2667	490860.04	3858910.04	0.25422	0.10938	0.36706	0.30917	0.64038	0.20153	0.1108	0.10938	1.22E+00	4.65E-03	8.80E-07	7.49E-03	1.38E-01	1.30E-02	1.81E-02	1.71E-02	1.38E+00
2668	490360.04	3858960.04	0.28109	0.17859	0.37067	0.46247	1.02958	0.32711	0.1627	0.17859	1.35E+00	7.60E-03	8.89E-07	1.12E-02	2.22E-01	2.12E-02	2.66E-02	2.80E-02	1.61E+00
2669	490410.04	3858960.04	0.27519	0.1694	0.48749	0.4704	0.99625	0.31083	0.1556	0.1694	1.32E+00	7.21E-03	1.17E-06	1.14E-02	2.15E-01	2.01E-02	2.54E-02	2.65E-02	1.57E+00
2670	490460.04	3858960.04	0.26995	0.15943	0.46838	0.44627	0.95404	0.29398	0.1482	0.15943	1.30E+00	6.78E-03	1.12E-06	1.08E-02	2.06E-01	1.90E-02	2.42E-02	2.50E-02	1.54E+00
2671	490510.04	3858960.04	0.26495	0.15071	0.58027	0.42511	0.90267	0.28119	0.1452	0.15071	1.27E+00	6.41E-03	1.39E-06	1.03E-02	1.95E-01	1.82E-02	2.37E-02	2.36E-02	1.50E+00
2672	490560.04	3858960.04	0.26232	0.1422	0.36889	0.41623	0.84541	0.2708	0.1407	0.1422	1.26E+00	6.05E-03	8.85E-07	1.01E-02	1.82E-01	1.75E-02	2.30E-02	2.23E-02	1.48E+00
2673	490610.04	3858960.04	0.26133	0.1337	0.42656	0.38569	0.78483	0.26461	0.126	0.1337	1.25E+00	5.69E-03	1.02E-06	9.34E-03	1.69E-01	1.71E-02	2.06E-02	2.09E-02	1.46E+00
2674	490660.04	3858960.04	0.25882	0.13305	0.43098	0.39115	0.75987	0.25876	0.1235	0.13305	1.24E+00	5.66E-03	1.03E-06	9.48E-03	1.64E-01	1.67E-02	2.02E-02	2.08E-02	1.44E+00
2675	490710.04	3858960.04	0.25833	0.1258	0.41958	0.36193	0.75084	0.23964	0.1208	0.1258	1.24E+00	5.35E-03	1.01E-06	8.77E-03	1.62E-01	1.55E-02	1.97E-02	1.97E-02	1.43E+00

2676	490760.04	3858960.04	0.25771	0.1226	0.43364	0.33876	0.7345	0.22394	0.118	0.1226	1.24E+00	5.22E-03	1.04E-06	8.21E-03	1.58E-01	1.45E-02	1.93E-02	1.92E-02	1.42E+00
2677	490810.04	3858960.04	0.25742	0.1174	0.44086	0.3053	0.6957	0.21231	0.1156	0.1174	1.24E+00	5.00E-03	1.06E-06	7.40E-03	1.50E-01	1.37E-02	1.89E-02	1.84E-02	1.41E+00
2678	490860.04	3858960.04	0.25804	0.1098	0.47387	0.30679	0.63062	0.19749	0.1128	0.1098	1.24E+00	4.67E-03	1.14E-06	7.43E-03	1.36E-01	1.28E-02	1.84E-02	1.72E-02	1.40E+00
2679	490360.04	3859010.04	0.2878	0.18288	0.64699	0.46797	0.98511	0.33833	0.1678	0.18288	1.38E+00	7.78E-03	1.55E-06	1.13E-02	2.12E-01	2.19E-02	2.74E-02	2.86E-02	1.63E+00
2680	490410.04	3859010.04	0.28563	0.17223	0.60404	0.48128	1.02549	0.32394	0.1572	0.17223	1.37E+00	7.33E-03	1.45E-06	1.17E-02	2.21E-01	2.10E-02	2.57E-02	2.70E-02	1.63E+00
2681	490460.04	3859010.04	0.28041	0.15902	0.47612	0.44074	0.99958	0.30207	0.1484	0.15902	1.35E+00	6.77E-03	1.14E-06	1.07E-02	2.16E-01	1.95E-02	2.42E-02	2.49E-02	1.60E+00
2682	490510.04	3859010.04	0.27567	0.14697	0.49928	0.40833	0.96228	0.28184	0.1442	0.14697	1.32E+00	6.25E-03	1.20E-06	9.89E-03	2.08E-01	1.82E-02	2.35E-02	2.30E-02	1.57E+00
2683	490560.04	3859010.04	0.27003	0.14277	0.51321	0.40004	0.91335	0.2711	0.1373	0.14277	1.30E+00	6.07E-03	1.23E-06	9.69E-03	1.97E-01	1.75E-02	2.24E-02	2.24E-02	1.53E+00
2684	490610.04	3859010.04	0.26627	0.1347	0.48877	0.3787	0.86034	0.25674	0.127	0.1347	1.28E+00	5.73E-03	1.17E-06	9.17E-03	1.86E-01	1.66E-02	2.07E-02	2.11E-02	1.49E+00
2685	490660.04	3859010.04	0.26281	0.1325	0.52839	0.36276	0.80025	0.24788	0.1249	0.1325	1.26E+00	5.64E-03	1.27E-06	8.79E-03	1.73E-01	1.60E-02	2.04E-02	2.08E-02	1.46E+00
2686	490710.04	3859010.04	0.26245	0.12604	0.58004	0.32376	0.74341	0.22965	0.121	0.12604	1.26E+00	5.36E-03	1.39E-06	7.84E-03	1.60E-01	1.49E-02	1.98E-02	1.97E-02	1.45E+00
2687	490760.04	3859010.04	0.26209	0.11833	0.57161	0.30863	0.73782	0.2164	0.118	0.11833	1.26E+00	5.03E-03	1.37E-06	7.48E-03	1.59E-01	1.40E-02	1.93E-02	1.85E-02	1.44E+00
2688	490810.04	3859010.04	0.26214	0.11094	0.57732	0.29399	0.72504	0.20352	0.1153	0.11094	1.26E+00	4.72E-03	1.38E-06	7.12E-03	1.56E-01	1.32E-02	1.88E-02	1.74E-02	1.44E+00
2689	490860.04	3859010.04	0.26209	0.10507	0.56098	0.30211	0.7063	0.19252	0.113	0.10507	1.26E+00	4.47E-03	1.35E-06	7.32E-03	1.52E-01	1.25E-02	1.84E-02	1.65E-02	1.44E+00
2690	490360.04	3859060.04	0.28937	0.18812	0.7007	0.49522	0.8256	0.35032	0.1705	0.18812	1.39E+00	8.00E-03	1.68E-06	1.20E-02	1.78E-01	2.27E-02	2.78E-02	2.95E-02	1.61E+00
2691	490410.04	3859060.04	0.29038	0.17125	0.60226	0.47525	0.92513	0.32608	0.157	0.17125	1.39E+00	7.29E-03	1.44E-06	1.15E-02	2.00E-01	2.11E-02	2.56E-02	2.68E-02	1.63E+00
2692	490460.04	3859060.04	0.29034	0.16123	0.62202	0.43526	1.00738	0.30393	0.1486	0.16123	1.39E+00	6.86E-03	1.49E-06	1.05E-02	2.17E-01	1.97E-02	2.43E-02	2.53E-02	1.65E+00
2693	490510.04	3859060.04	0.28704	0.15366	0.59992	0.40762	0.99686	0.28541	0.1441	0.15366	1.38E+00	6.54E-03	1.44E-06	9.88E-03	2.15E-01	1.85E-02	2.35E-02	2.41E-02	1.63E+00
2694	490560.04	3859060.04	0.28235	0.14023	0.64055	0.36684	0.96363	0.26555	0.131	0.14023	1.35E+00	5.97E-03	1.54E-06	8.89E-03	2.08E-01	1.72E-02	2.14E-02	2.20E-02	1.59E+00
2695	490610.04	3859060.04	0.27703	0.1342	0.68915	0.36656	0.91971	0.25415	0.1286	0.1342	1.33E+00	5.71E-03	1.65E-06	8.88E-03	1.98E-01	1.64E-02	2.10E-02	2.10E-02	1.56E+00
2696	490660.04	3859060.04	0.27202	0.12928	0.69321	0.33387	0.86906	0.24368	0.1262	0.12928	1.31E+00	5.50E-03	1.66E-06	8.09E-03	1.87E-01	1.58E-02	2.06E-02	2.03E-02	1.52E+00
2697	490710.04	3859060.04	0.26914	0.11946	0.72005	0.30544	0.81337	0.22585	0.1195	0.11946	1.29E+00	5.08E-03	1.73E-06	7.40E-03	1.75E-01	1.46E-02	1.95E-02	1.87E-02	1.49E+00
2698	490760.04	3859060.04	0.26781	0.11146	0.71681	0.29456	0.75304	0.21143	0.1165	0.11146	1.29E+00	4.74E-03	1.72E-06	7.14E-03	1.62E-01	1.37E-02	1.90E-02	1.75E-02	1.47E+00
2699	490810.04	3859060.04	0.26808	0.10578	0.60509	0.28682	0.7192	0.19682	0.1135	0.10578	1.29E+00	4.50E-03	1.45E-06	6.95E-03	1.55E-01	1.27E-02	1.85E-02	1.66E-02	1.47E+00
2700	490860.04	3859060.04	0.26819	0.102	0.5488	0.28545	0.75403	0.18611	0.111	0.102	1.29E+00	4.34E-03	1.32E-06	6.92E-03	1.63E-01	1.20E-02	1.81E-02	1.60E-02	1.48E+00
2701	490360.04	3859110.04	0.29324	0.19638	0.81363	0.52885	0.68533	0.35329	0.1772	0.19638	1.41E+00	8.36E-03	1.95E-06	1.28E-02	1.48E-01	2.29E-02	2.89E-02	3.08E-02	1.60E+00
2702	490410.04	3859110.04	0.28848	0.17904	0.78394	0.48955	0.75611	0.32759	0.1634	0.17904	1.38E+00	7.62E-03	1.88E-06	1.19E-02	1.63E-01	2.12E-02	2.67E-02	2.80E-02	1.59E+00
2703	490460.04	3859110.04	0.28783	0.17205	0.79626	0.42637	0.84684	0.31064	0.153	0.17205	1.38E+00	7.32E-03	1.91E-06	1.03E-02	1.83E-01	2.01E-02	2.50E-02	2.70E-02	1.60E+00
2704	490510.04	3859110.04	0.29047	0.15071	0.82139	0.39312	0.94071	0.27972	0.1391	0.15071	1.39E+00	6.41E-03	1.97E-06	9.52E-03	2.03E-01	1.81E-02	2.27E-02	2.36E-02	1.63E+00
2705	490560.04	3859110.04	0.29049	0.13825	0.84556	0.35993	0.98953	0.26547	0.1323	0.13825	1.39E+00	5.88E-03	2.03E-06	8.72E-03	2.13E-01	1.72E-02	2.16E-02	2.17E-02	1.64E+00
2706	490610.04	3859110.04	0.29063	0.13358	0.87848	0.33669	0.96022	0.24785	0.1268	0.13358	1.39E+00	5.68E-03	2.11E-06	8.16E-03	2.07E-01	1.60E-02	2.07E-02	2.09E-02	1.63E+00
2707	490660.04	3859110.04	0.28708	0.1234	0.75939	0.30415	0.92042	0.22909	0.1195	0.1234	1.38E+00	5.25E-03	1.82E-06	7.37E-03	1.99E-01	1.48E-02	1.95E-02	1.93E-02	1.60E+00
2708	490710.04	3859110.04	0.28226	0.11628	0.6997	0.2951	0.87304	0.2185	0.1172	0.11628	1.35E+00	4.95E-03	1.68E-06	7.15E-03	1.88E-01	1.41E-02	1.91E-02	1.82E-02	1.57E+00
2709	490760.04	3859110.04	0.2788	0.11037	0.62286	0.28514	0.82016	0.20681	0.1143	0.11037	1.34E+00	4.70E-03	1.49E-06	6.91E-03	1.77E-01	1.34E-02	1.87E-02	1.73E-02	1.54E+00
2710	490810.04	3859110.04	0.27661	0.10544	0.53278	0.28342	0.79813	0.18944	0.1109	0.10544	1.33E+00	4.49E-03	1.28E-06	6.87E-03	1.72E-01	1.23E-02	1.81E-02	1.65E-02	1.52E+00
2711	490860.04	3859110.04	0.27646	0.09892	0.4689	0.26301	0.74557	0.17847	0.1078	0.09892	1.33E+00	4.21E-03	1.12E-06	6.37E-03	1.61E-01	1.15E-02	1.76E-02	1.55E-02	1.51E+00
2712	490360.04	3859160.04	0.30194	0.20784	1.02379	0.50164	0.63802	0.36341	0.1874	0.20784	1.45E+00	8.84E-03	2.46E-06	1.22E-02	1.38E-01	2.35E-02	3.06E-02	3.26E-02	1.63E+00
2713	490410.04	3859160.04	0.29718	0.19113	1.09426	0.45873	0.62746	0.33637	0.1699	0.19113	1.43E+00	8.13E-03	2.62E-06	1.11E-02	1.35E-01	2.18E-02	2.77E-02	2.99E-02	1.60E+00
2714	490460.04	3859160.04	0.29237	0.18252	1.18267	0.43683	0.71056	0.31302	0.1608	0.18252	1.40E+00	7.77E-03	2.84E-06	1.06E-02	1.53E-01	2.03E-02	2.63E-02	2.86E-02	1.59E+00
2715	490510.04	3859160.04	0.28765	0.1616	1.11675	0.41939	0.77395	0.29036	0.1497	0.1616	1.38E+00	6.88E-03	2.68E-06	1.02E-02	1.67E-01	1.88E-02	2.44E-02	2.53E-02	1.58E+00
2716	490560.04	3859160.04	0.2886	0.14336	0.96347	0.36514	0.86203	0.26464	0.1338	0.14336	1.38E+00	6.10E-03	2.31E-06	8.85E-03	1.86E-01	1.71E-02	2.18E-02	2.25E-02	1.60E+00
2717	490610.04	3859160.04	0.28956	0.13787	0.84516	0.33107	0.94476	0.24882	0.1301	0.13787	1.39E+00	5.87E-03	2.03E-06	8.02E-03	2.04E-01	1.61E-02	2.12E-02	2.16E-02	1.62E+00
2718	490660.04	3859160.04	0.2949	0.12367	0.66864	0.29631	0.9501	0.21845	0.1211	0.12367	1.42E+00	5.26E-03	1.60E-06	7.18E-03	2.05E-01	1.41E-02	1.98E-02	1.94E-02	1.65E+00
2719	490710.04	3859160.04	0.2959	0.11572	0.6412	0.28702	0.91489	0.21159	0.1178	0.11572	1.42E+00	4.92E-03	1.54E-06	6.95E-03	1.97E-01	1.37E-02	1.92E-02	1.81E-02	1.64E+00
2720	490760.04	3859160.04	0.29475	0.10887	0.55961	0.27129	0.94377	0.19897	0.1126	0.10887	1.41E+00	4.63E-03	1.34E-06	6.57E-03	2.04E-01	1.29E-02	1.84E-02	1.71E-02	1.64E+00
2721	490810.04	3859160.04	0.29071	0.10255	0.52232	0.26483	0.88732	0.18859	0.1098	0.10255	1.40E+00	4.36E-03	1.25E-06	6.42E-03	1.91E-01	1.22E-02	1.79E-02	1.61E-02	1.61E+00
2722	490860.04	3859160.04	0.28739	0.09542	0.51169	0.26019	0.82042	0.18013	0.107	0.09542	1.38E+00	4.06E-03	1.23E-06	6.30E-03	1.77E-01	1.17E-02	1.75E-02	1.49E-02	1.58E+00
2723	490360.04	3859210.04	0.30213	0.22107	1.41719	0.52669	0.65592	0.3911	0.2006	0.22107	1.45E+00	9.41E-03	3.40E-06	1.28E-02	1.41E-01	2.53E-02	3.27E-02	3.46E-02	1.64E+00
2724	490410.04	3859210.04	0.30046	0.20766	1.32685	0.49246	0.60347	0.37001	0.1893	0.20766	1.44E+00	8.84E-03	3.18E-06	1.19E-02	1.30E-01	2.39E-02	3.09E-02	3.25E-02	1.62E+00
2725	490460.04	3859210.04	0.30143	0.1873	1.14681	0.45374	0.60837	0.33128	0.1665	0.1873	1.45E+00	7.97E-03	2.75E-06	1.10E-02	1.31E-01	2.14E-02	2.72E-02	2.93E-02	1.62E+00
2726	490510.04	3859210.04	0.29732	0.16452	1.07527	0.41121	0.65313	0.30217	0.1537	0.16452	1.43E+00	7.00E-03	2.58E-06	9.96E-03	1.41E-01	1.96E-02	2.51E-02	2.58E-02	1.60E+00
2727	490560.04	3859210.04	0.29185	0.15371	1.07063	0.36056	0.70623	0.28765	0.1431	0.15371	1.40E+00	6.54E-03	2.57E-06	8.74E-03	1.52E-01	1.86E-02	2.34E-02	2.41E-02	1.59E+00
2728	490610.04	3859210.04	0.28739	0.1452	0.96238	0.33722	0.78581	0.26454	0.1344	0.1452	1.38E+00	6.18E-03	2.31E-06	8.17E-03	1.69E-01	1.71E-02	2.19E-02	2.27E-02	1.58E+00
2729	490660.04	3859210.04	0.29193	0.13184	0.80448	0.3027	0.86488	0.23411	0.1262	0.13184	1.40E+00	5.61E-03	1.93E-06	7.33E-03	1.87E-01	1.51E-02	2.06E-02	2.07E-02	1.62E+00
2730	490710.04	3859210.04	0.29568	0.11949	0.73265	0.28946	0.9373	0.21504	0.1214	0.11949	1.42E+00	5.08E-03	1.76E-06	7.01E-03	2.02E-01	1.39E-02	1.98E-02	1.87E-02	1.65E+00
2731	490760.04	3859210.04	0.29572	0.1118	0.67869	0.27244	0.99555	0.20479	0.1156	0.1118	1.42E+00	4.76E-03	1.63E-06	6.60E-03	2.15E-01	1.33E-02	1.89E-02	1.75E-02	1.66E+00
2732	490810.04	3859210.04	0.29463	0.10964	0.62379	0.27117	0.95026	0.19876	0.1142	0.10964	1.41E+00	4.67E-03	1.50E-06	6.57E-03	2.05E-01	1.29E-02	1.86E-02	1.72E-02	1.64E+00

2733	490860.04	3859210.04	0.29333	0.10687	0.62152	0.26585	0.89639	0.19591	0.1127	0.10687	1.41E+00	4.55E-03	1.49E-06	6.44E-03	1.93E-01	1.27E-02	1.84E-02	1.67E-02	1.63E+00
2734	490360.04	3859260.04	0.30613	0.23285	1.38883	0.56823	0.65719	0.41024	0.2147	0.23285	1.47E+00	9.91E-03	3.33E-06	1.38E-02	1.42E-01	2.65E-02	3.50E-02	3.65E-02	1.66E+00
2735	490410.04	3859260.04	0.30109	0.21651	1.37389	0.52102	0.64051	0.38355	0.2	0.21651	1.44E+00	9.21E-03	3.30E-06	1.26E-02	1.38E-01	2.48E-02	3.27E-02	3.39E-02	1.63E+00
2736	490460.04	3859260.04	0.29714	0.20816	1.31226	0.48314	0.59743	0.36057	0.1885	0.20816	1.43E+00	8.86E-03	3.15E-06	1.17E-02	1.29E-01	2.33E-02	3.08E-02	3.26E-02	1.60E+00
2737	490510.04	3859260.04	0.29673	0.19388	1.31047	0.44937	0.60288	0.33442	0.1756	0.19388	1.42E+00	8.25E-03	3.14E-06	1.09E-02	1.30E-01	2.16E-02	2.87E-02	3.04E-02	1.59E+00
2738	490560.04	3859260.04	0.29732	0.17348	1.23111	0.40584	0.59143	0.31457	0.1615	0.17348	1.43E+00	7.38E-03	2.95E-06	9.83E-03	1.28E-01	2.04E-02	2.64E-02	2.72E-02	1.59E+00
2739	490610.04	3859260.04	0.2956	0.15733	1.07677	0.35126	0.67073	0.2862	0.142	0.15733	1.42E+00	6.69E-03	2.58E-06	8.51E-03	1.45E-01	1.85E-02	2.32E-02	2.46E-02	1.60E+00
2740	490660.04	3859260.04	0.2888	0.15173	0.97954	0.34075	0.71202	0.27563	0.1389	0.15173	1.39E+00	6.46E-03	2.35E-06	8.26E-03	1.54E-01	1.78E-02	2.27E-02	2.38E-02	1.57E+00
2741	490710.04	3859260.04	0.2871	0.14413	0.9732	0.31794	0.78952	0.25535	0.1306	0.14413	1.38E+00	6.13E-03	2.33E-06	7.70E-03	1.70E-01	1.65E-02	2.13E-02	2.26E-02	1.58E+00
2742	490760.04	3859260.04	0.29344	0.12993	0.81758	0.29765	0.8632	0.22987	0.1259	0.12993	1.41E+00	5.53E-03	1.96E-06	7.21E-03	1.86E-01	1.49E-02	2.06E-02	2.04E-02	1.62E+00
2743	490810.04	3859260.04	0.29079	0.12418	0.74857	0.29089	0.899	0.21993	0.1232	0.12418	1.40E+00	5.28E-03	1.80E-06	7.05E-03	1.94E-01	1.42E-02	2.01E-02	1.95E-02	1.62E+00
2744	490860.04	3859260.04	0.28364	0.11855	0.7025	0.28446	0.8671	0.2103	0.1207	0.11855	1.36E+00	5.04E-03	1.68E-06	6.89E-03	1.87E-01	1.36E-02	1.97E-02	1.86E-02	1.57E+00
2745	490360.04	3859310.04	0.31071	0.25793	1.6556	0.63964	0.65864	0.44769	0.2408	0.25793	1.49E+00	1.10E-02	3.97E-06	1.55E-02	1.42E-01	2.90E-02	3.93E-02	4.04E-02	1.69E+00
2746	490410.04	3859310.04	0.30557	0.23659	1.50286	0.58834	0.65573	0.4181	0.2237	0.23659	1.47E+00	1.01E-02	3.60E-06	1.43E-02	1.41E-01	2.71E-02	3.65E-02	3.71E-02	1.66E+00
2747	490460.04	3859310.04	0.30095	0.2227	1.40188	0.52853	0.64017	0.3843	0.209	0.2227	1.44E+00	9.48E-03	3.36E-06	1.28E-02	1.38E-01	2.49E-02	3.41E-02	3.49E-02	1.63E+00
2748	490510.04	3859310.04	0.29632	0.2145	1.38459	0.48975	0.59571	0.36458	0.1979	0.2145	1.42E+00	9.13E-03	3.32E-06	1.19E-02	1.28E-01	2.36E-02	3.23E-02	3.36E-02	1.59E+00
2749	490560.04	3859310.04	0.29519	0.20496	1.30248	0.46514	0.57703	0.34747	0.1862	0.20496	1.42E+00	8.72E-03	3.12E-06	1.13E-02	1.24E-01	2.25E-02	3.04E-02	3.21E-02	1.58E+00
2750	490610.04	3859310.04	0.29425	0.19213	1.19746	0.43989	0.56434	0.33327	0.1766	0.19213	1.41E+00	8.17E-03	2.87E-06	1.07E-02	1.22E-01	2.16E-02	2.88E-02	3.01E-02	1.57E+00
2751	490660.04	3859310.04	0.29295	0.17325	1.10869	0.40563	0.60558	0.31841	0.1641	0.17325	1.41E+00	7.37E-03	2.66E-06	9.83E-03	1.31E-01	2.06E-02	2.68E-02	2.71E-02	1.57E+00
2752	490710.04	3859310.04	0.29032	0.15894	0.98659	0.35131	0.6678	0.28502	0.144	0.15894	1.39E+00	6.76E-03	2.37E-06	8.51E-03	1.44E-01	1.84E-02	2.35E-02	2.49E-02	1.57E+00
2753	490760.04	3859310.04	0.2873	0.15026	0.90149	0.3249	0.71882	0.26495	0.1375	0.15026	1.38E+00	6.39E-03	2.16E-06	7.87E-03	1.55E-01	1.71E-02	2.24E-02	2.35E-02	1.56E+00
2754	490810.04	3859310.04	0.28886	0.14448	0.83334	0.31083	0.79132	0.25249	0.1309	0.14448	1.39E+00	6.15E-03	2.00E-06	7.53E-03	1.71E-01	1.63E-02	2.14E-02	2.26E-02	1.59E+00
2755	490860.04	3859310.04	0.29085	0.13515	0.75906	0.2998	0.86134	0.23587	0.1258	0.13515	1.40E+00	5.75E-03	1.82E-06	7.26E-03	1.86E-01	1.53E-02	2.05E-02	2.12E-02	1.61E+00
2756	490360.04	3859360.04	0.3174	0.28875	1.90959	0.72235	0.65096	0.49315	0.2746	0.28875	1.52E+00	1.23E-02	4.58E-06	1.75E-02	1.40E-01	3.19E-02	4.48E-02	4.52E-02	1.72E+00
2757	490410.04	3859360.04	0.31099	0.26991	1.74491	0.66148	0.64825	0.46767	0.2578	0.26991	1.49E+00	1.15E-02	4.18E-06	1.60E-02	1.40E-01	3.03E-02	4.21E-02	4.23E-02	1.69E+00
2758	490460.04	3859360.04	0.30465	0.25385	1.57248	0.61779	0.63959	0.43893	0.2434	0.25385	1.46E+00	1.08E-02	3.77E-06	1.50E-02	1.38E-01	2.84E-02	3.97E-02	3.98E-02	1.65E+00
2759	490510.04	3859360.04	0.29865	0.23878	1.40458	0.58187	0.60547	0.41307	0.2297	0.23878	1.43E+00	1.02E-02	3.37E-06	1.41E-02	1.31E-01	2.67E-02	3.75E-02	3.74E-02	1.61E+00
2760	490560.04	3859360.04	0.29476	0.22301	1.24651	0.51755	0.59244	0.38932	0.2132	0.22301	1.41E+00	9.49E-03	2.99E-06	1.25E-02	1.28E-01	2.52E-02	3.48E-02	3.49E-02	1.59E+00
2761	490610.04	3859360.04	0.29315	0.21322	1.1889	0.47402	0.54329	0.36446	0.1981	0.21322	1.41E+00	9.07E-03	2.85E-06	1.15E-02	1.17E-01	2.36E-02	3.23E-02	3.34E-02	1.57E+00
2762	490660.04	3859360.04	0.29155	0.19662	1.08139	0.45137	0.56087	0.34667	0.1857	0.19662	1.40E+00	8.37E-03	2.59E-06	1.09E-02	1.21E-01	2.24E-02	3.03E-02	3.08E-02	1.56E+00
2763	490710.04	3859360.04	0.29153	0.17894	0.97081	0.41586	0.55168	0.32465	0.1679	0.17894	1.40E+00	7.61E-03	2.33E-06	1.01E-02	1.19E-01	2.10E-02	2.74E-02	2.80E-02	1.56E+00
2764	490760.04	3859360.04	0.29067	0.16762	0.86671	0.36837	0.62305	0.29804	0.1494	0.16762	1.39E+00	7.13E-03	2.08E-06	8.92E-03	1.34E-01	1.93E-02	2.44E-02	2.63E-02	1.56E+00
2765	490810.04	3859360.04	0.28537	0.16134	0.80223	0.35476	0.65715	0.28856	0.1458	0.16134	1.37E+00	6.86E-03	1.92E-06	8.59E-03	1.42E-01	1.87E-02	2.38E-02	2.53E-02	1.54E+00
2766	490860.04	3859360.04	0.28703	0.15341	0.73776	0.33207	0.72211	0.27185	0.1404	0.15341	1.38E+00	6.53E-03	1.77E-06	8.05E-03	1.56E-01	1.76E-02	2.29E-02	2.40E-02	1.56E+00
2767	490360.04	3859410.04	0.33026	0.32666	1.6425	0.84994	0.61866	0.5485	0.3107	0.32666	1.58E+00	1.39E-02	3.94E-06	2.06E-02	1.33E-01	3.55E-02	5.07E-02	5.12E-02	1.79E+00
2768	490410.04	3859410.04	0.318	0.30849	1.45638	0.7865	0.6065	0.52116	0.2956	0.30849	1.53E+00	1.31E-02	3.49E-06	1.91E-02	1.31E-01	3.37E-02	4.82E-02	4.83E-02	1.72E+00
2769	490460.04	3859410.04	0.30915	0.29074	1.30474	0.72855	0.63365	0.49101	0.2757	0.29074	1.48E+00	1.24E-02	3.13E-06	1.77E-02	1.37E-01	3.18E-02	4.50E-02	4.55E-02	1.68E+00
2770	490510.04	3859410.04	0.30332	0.27312	1.19601	0.66817	0.60454	0.46161	0.2623	0.27312	1.46E+00	1.16E-02	2.87E-06	1.62E-02	1.30E-01	2.99E-02	4.28E-02	4.28E-02	1.64E+00
2771	490560.04	3859410.04	0.29927	0.25617	1.11589	0.61183	0.58642	0.4355	0.2471	0.25617	1.44E+00	1.09E-02	2.68E-06	1.48E-02	1.26E-01	2.82E-02	4.03E-02	4.01E-02	1.62E+00
2772	490610.04	3859410.04	0.2962	0.23946	1.04219	0.5676	0.57116	0.41399	0.2326	0.23946	1.42E+00	1.02E-02	2.50E-06	1.38E-02	1.23E-01	2.68E-02	3.80E-02	3.75E-02	1.60E+00
2773	490660.04	3859410.04	0.29422	0.22153	0.97657	0.49377	0.53914	0.38491	0.2124	0.22153	1.41E+00	9.43E-03	2.34E-06	1.20E-02	1.16E-01	2.49E-02	3.47E-02	3.47E-02	1.57E+00
2774	490710.04	3859410.04	0.29201	0.20272	0.9466	0.45983	0.54798	0.35339	0.1941	0.20272	1.40E+00	8.63E-03	2.27E-06	1.11E-02	1.18E-01	2.29E-02	3.17E-02	3.18E-02	1.56E+00
2775	490760.04	3859410.04	0.29069	0.18791	0.9121	0.42568	0.5259	0.33029	0.1689	0.18791	1.39E+00	8.00E-03	2.19E-06	1.03E-02	1.13E-01	2.14E-02	2.76E-02	2.94E-02	1.55E+00
2776	490810.04	3859410.04	0.28711	0.17987	0.87328	0.40702	0.56607	0.31842	0.1664	0.17987	1.38E+00	7.65E-03	2.09E-06	9.86E-03	1.22E-01	2.06E-02	2.72E-02	2.82E-02	1.54E+00
2777	490860.04	3859410.04	0.2824	0.1732	0.838	0.39564	0.6292	0.30949	0.1632	0.1732	1.36E+00	7.37E-03	2.01E-06	9.59E-03	1.36E-01	2.00E-02	2.66E-02	2.71E-02	1.53E+00
2778	490360.04	3859460.04	0.34137	0.37228	1.57581	1.05462	0.5777	0.69431	0.3658	0.37228	1.64E+00	1.58E-02	3.78E-06	2.56E-02	1.25E-01	4.49E-02	5.97E-02	5.83E-02	1.85E+00
2779	490410.04	3859460.04	0.33405	0.34703	1.41223	0.93333	0.59771	0.61807	0.3291	0.34703	1.60E+00	1.48E-02	3.39E-06	2.26E-02	1.29E-01	4.00E-02	5.37E-02	5.44E-02	1.81E+00
2780	490460.04	3859460.04	0.32232	0.32785	1.28883	0.84655	0.58433	0.56914	0.3111	0.32785	1.55E+00	1.39E-02	3.09E-06	2.05E-02	1.26E-01	3.68E-02	5.08E-02	5.14E-02	1.74E+00
2781	490510.04	3859460.04	0.31719	0.30856	1.1837	0.76997	0.6162	0.52704	0.2897	0.30856	1.52E+00	1.31E-02	2.84E-06	1.87E-02	1.33E-01	3.41E-02	4.73E-02	4.83E-02	1.72E+00
2782	490560.04	3859460.04	0.31203	0.28925	1.0989	0.70533	0.5964	0.48776	0.273	0.28925	1.50E+00	1.23E-02	2.64E-06	1.71E-02	1.29E-01	3.16E-02	4.46E-02	4.53E-02	1.69E+00
2783	490610.04	3859460.04	0.30699	0.26814	1.01891	0.66504	0.58466	0.46121	0.26	0.26814	1.47E+00	1.14E-02	2.44E-06	1.61E-02	1.26E-01	2.98E-02	4.24E-02	4.20E-02	1.66E+00
2784	490660.04	3859460.04	0.30211	0.24802	0.96826	0.59834	0.57151	0.41926	0.2462	0.24802	1.45E+00	1.06E-02	2.32E-06	1.45E-02	1.23E-01	2.71E-02	4.02E-02	3.89E-02	1.63E+00
2785	490710.04	3859460.04	0.29686	0.23305	0.90322	0.54033	0.53657	0.39523	0.2303	0.23305	1.42E+00	9.92E-03	2.17E-06	1.31E-02	1.16E-01	2.56E-02	3.76E-02	3.65E-02	1.59E+00
2786	490760.04	3859460.04	0.29248	0.22184	0.8502	0.4795	0.51594	0.37402	0.2137	0.22184	1.40E+00	9.44E-03	2.04E-06	1.16E-02	1.11E-01	2.42E-02	3.49E-02	3.48E-02	1.56E+00
2787	490810.04	3859460.04	0.28818	0.20474	0.8275	0.45034	0.5215	0.35209	0.197	0.20474	1.38E+00	8.71E-03	1.98E-06	1.09E-02	1.12E-01	2.28E-02	3.22E-02	3.21E-02	1.54E+00
2788	490860.04	3859460.04	0.28391	0.19522	0.78189	0.43175	0.51183	0.33357	0.1901	0.19522	1.36E+00	8.31E-03	1.88E-06	1.05E-02	1.10E-01	2.16E-02	3.10E-02	3.06E-02	1.51E+00
2789	490360.04	3859510.04	0.35977	0.43592	1.43536	1.41366	0.53055	0.85507	0.4237	0.43592	1.73E+00	1.85E-02	3.44E-06	3.42E-02	1.14E-01	5.53E-02	6.92E-02	6.83E-02	1.95E+00

2790	490410.04	3859510.04	0.34861	0.40164	1.3198	1.20973	0.55594	0.75692	0.3961	0.40164	1.67E+00	1.71E-02	3.17E-06	2.93E-02	1.20E-01	4.90E-02	6.46E-02	6.29E-02	1.89E+00
2791	490460.04	3859510.04	0.34064	0.36958	1.15078	1.04474	0.57659	0.67649	0.3616	0.36958	1.63E+00	1.57E-02	2.76E-06	2.53E-02	1.24E-01	4.38E-02	5.90E-02	5.79E-02	1.84E+00
2792	490510.04	3859510.04	0.32919	0.34311	1.04348	0.92722	0.57676	0.61459	0.3324	0.34311	1.58E+00	1.46E-02	2.50E-06	2.25E-02	1.24E-01	3.98E-02	5.43E-02	5.37E-02	1.78E+00
2793	490560.04	3859510.04	0.32181	0.32697	1.00705	0.8323	0.59221	0.56432	0.3102	0.32697	1.54E+00	1.39E-02	2.42E-06	2.02E-02	1.28E-01	3.65E-02	5.06E-02	5.12E-02	1.74E+00
2794	490610.04	3859510.04	0.31547	0.30369	0.98242	0.75069	0.58872	0.51635	0.2862	0.30369	1.51E+00	1.29E-02	2.36E-06	1.82E-02	1.27E-01	3.34E-02	4.67E-02	4.76E-02	1.70E+00
2795	490660.04	3859510.04	0.30791	0.28184	0.91634	0.69085	0.57764	0.47916	0.2694	0.28184	1.48E+00	1.20E-02	2.20E-06	1.67E-02	1.25E-01	3.10E-02	4.40E-02	4.42E-02	1.66E+00
2796	490710.04	3859510.04	0.30107	0.26386	0.8575	0.64414	0.54023	0.45503	0.2565	0.26386	1.44E+00	1.12E-02	2.06E-06	1.56E-02	1.17E-01	2.94E-02	4.19E-02	4.13E-02	1.62E+00
2797	490760.04	3859510.04	0.29512	0.24764	0.81793	0.59447	0.51372	0.42002	0.2445	0.24764	1.42E+00	1.05E-02	1.96E-06	1.44E-02	1.11E-01	2.72E-02	3.99E-02	3.88E-02	1.58E+00
2798	490810.04	3859510.04	0.29327	0.23392	0.78164	0.53622	0.48993	0.39003	0.2307	0.23392	1.41E+00	9.95E-03	1.87E-06	1.30E-02	1.06E-01	2.52E-02	3.77E-02	3.66E-02	1.56E+00
2799	490860.04	3859510.04	0.29084	0.22039	0.74438	0.48171	0.5169	0.36601	0.2156	0.22039	1.40E+00	9.38E-03	1.79E-06	1.17E-02	1.11E-01	2.37E-02	3.52E-02	3.45E-02	1.55E+00
2800	490360.04	3859560.04	0.39556	0.53831	1.38719	2.25298	0.47929	1.11349	0.5211	0.53831	1.90E+00	2.29E-02	3.33E-06	5.46E-02	1.03E-01	7.20E-02	8.51E-02	8.43E-02	2.15E+00
2801	490410.04	3859560.04	0.37896	0.48558	1.328	1.72581	0.50895	0.96116	0.4831	0.48558	1.82E+00	2.07E-02	3.18E-06	4.18E-02	1.10E-01	6.22E-02	7.89E-02	7.61E-02	2.06E+00
2802	490460.04	3859560.04	0.36175	0.44616	1.24603	1.41216	0.5349	0.85131	0.4384	0.44616	1.74E+00	1.90E-02	2.99E-06	3.42E-02	1.15E-01	5.51E-02	7.16E-02	6.99E-02	1.96E+00
2803	490510.04	3859560.04	0.34676	0.40343	1.13068	1.20286	0.5568	0.74566	0.3942	0.40343	1.66E+00	1.72E-02	2.71E-06	2.91E-02	1.20E-01	4.82E-02	6.43E-02	6.32E-02	1.88E+00
2804	490560.04	3859560.04	0.33527	0.37443	1.07945	1.03647	0.56916	0.6677	0.3611	0.37443	1.61E+00	1.59E-02	2.59E-06	2.51E-02	1.23E-01	4.32E-02	5.89E-02	5.87E-02	1.82E+00
2805	490610.04	3859560.04	0.32412	0.34516	1.03446	0.91894	0.55185	0.60414	0.338	0.34516	1.56E+00	1.47E-02	2.48E-06	2.23E-02	1.19E-01	3.91E-02	5.52E-02	5.41E-02	1.75E+00
2806	490660.04	3859560.04	0.31721	0.32779	0.98588	0.8252	0.58027	0.54853	0.3175	0.32779	1.52E+00	1.39E-02	2.36E-06	2.00E-02	1.25E-01	3.55E-02	5.18E-02	5.13E-02	1.72E+00
2807	490710.04	3859560.04	0.31138	0.30261	0.92595	0.74595	0.55092	0.5053	0.2901	0.30261	1.49E+00	1.29E-02	2.22E-06	1.81E-02	1.19E-01	3.27E-02	4.73E-02	4.74E-02	1.68E+00
2808	490760.04	3859560.04	0.30637	0.27896	0.85533	0.67441	0.5277	0.47268	0.2657	0.27896	1.47E+00	1.19E-02	2.05E-06	1.63E-02	1.14E-01	3.06E-02	4.34E-02	4.37E-02	1.64E+00
2809	490810.04	3859560.04	0.30281	0.2619	0.78791	0.62495	0.5146	0.4403	0.2531	0.2619	1.45E+00	1.11E-02	1.89E-06	1.51E-02	1.11E-01	2.85E-02	4.13E-02	4.10E-02	1.62E+00
2810	490860.04	3859560.04	0.29836	0.24413	0.72037	0.57415	0.48985	0.40077	0.2391	0.24413	1.43E+00	1.04E-02	1.73E-06	1.39E-02	1.06E-01	2.59E-02	3.90E-02	3.82E-02	1.59E+00
2811	490187.25	3859422.08	0.37638	0.4351	2.33887	1.35502	0.51632	0.87263	0.4328	0.4351	1.81E+00	1.85E-02	5.61E-06	3.28E-02	1.11E-01	5.65E-02	7.07E-02	6.82E-02	2.03E+00
2812	490237.25	3859422.08	0.36171	0.40157	2.08847	1.17393	0.54956	0.75337	0.4005	0.40157	1.74E+00	1.71E-02	5.01E-06	2.84E-02	1.19E-01	4.87E-02	6.54E-02	6.29E-02	1.95E+00
2813	490287.25	3859422.08	0.34862	0.37335	1.8352	1.04661	0.57807	0.67662	0.3669	0.37335	1.67E+00	1.59E-02	4.40E-06	2.54E-02	1.25E-01	4.38E-02	5.99E-02	5.85E-02	1.88E+00
2814	490337.25	3859422.08	0.33951	0.34503	1.68026	0.92746	0.60162	0.59953	0.3283	0.34503	1.63E+00	1.47E-02	4.03E-06	2.25E-02	1.30E-01	3.88E-02	5.36E-02	5.40E-02	1.83E+00
2815	490187.25	3859472.08	0.42076	0.51003	2.19625	2.10253	0.4586	1.17012	0.4937	0.51003	2.02E+00	2.17E-02	5.27E-06	5.09E-02	9.89E-02	7.57E-02	8.06E-02	7.99E-02	2.27E+00
2816	490237.25	3859472.08	0.39437	0.47006	1.96541	1.66705	0.49403	0.99288	0.4624	0.47006	1.89E+00	2.00E-02	4.71E-06	4.04E-02	1.07E-01	6.42E-02	7.55E-02	7.36E-02	2.13E+00
2817	490287.25	3859472.08	0.36622	0.43229	1.77342	1.36904	0.5276	0.86574	0.4257	0.43229	1.76E+00	1.84E-02	4.25E-06	3.32E-02	1.14E-01	5.60E-02	6.95E-02	6.77E-02	1.98E+00
2818	490337.25	3859472.08	0.34754	0.39924	1.60778	1.18262	0.55568	0.76468	0.3955	0.39924	1.67E+00	1.70E-02	3.86E-06	2.87E-02	1.20E-01	4.95E-02	6.46E-02	6.25E-02	1.88E+00
2819	490297.07	3859500.42	0.37471	0.46996	1.57839	1.6385	0.50313	0.97437	0.4584	0.46996	1.80E+00	2.00E-02	3.79E-06	3.97E-02	1.09E-01	6.30E-02	7.48E-02	7.36E-02	2.03E+00
2820	490327.07	3859500.42	0.36519	0.446	1.49605	1.48616	0.52081	0.89218	0.4433	0.446	1.75E+00	1.90E-02	3.59E-06	3.60E-02	1.12E-01	5.77E-02	7.24E-02	6.99E-02	1.98E+00
2821	490297.07	3859530.42	0.39141	0.52803	1.5023	2.27076	0.46959	1.15631	0.5053	0.52803	1.88E+00	2.25E-02	3.60E-06	5.50E-02	1.01E-01	7.48E-02	8.25E-02	8.27E-02	2.13E+00
2822	490327.07	3859530.42	0.37802	0.50397	1.46847	1.90727	0.48939	1.03921	0.4834	0.50397	1.81E+00	2.14E-02	3.52E-06	4.62E-02	1.06E-01	6.72E-02	7.89E-02	7.89E-02	2.05E+00
2823	490319.73	3859055.34	0.28911	0.20218	0.5846	0.50688	0.75982	0.36327	0.1849	0.20218	1.39E+00	8.60E-03	1.40E-06	1.23E-02	1.64E-01	2.35E-02	3.02E-02	3.17E-02	1.59E+00
2824	490319.73	3859105.34	0.29711	0.2089	0.74755	0.51755	0.63482	0.37567	0.1938	0.2089	1.43E+00	8.89E-03	1.79E-06	1.25E-02	1.37E-01	2.43E-02	3.16E-02	3.27E-02	1.61E+00
2825	490069.73	3859155.34	0.33505	0.28946	0.85467	0.74275	0.71608	0.50518	0.2662	0.28946	1.61E+00	1.23E-02	2.05E-06	1.80E-02	1.54E-01	3.27E-02	4.35E-02	4.53E-02	1.82E+00
2826	490119.73	3859155.34	0.32565	0.27821	0.73	0.6836	0.7252	0.47733	0.2558	0.27821	1.56E+00	1.18E-02	1.75E-06	1.66E-02	1.56E-01	3.09E-02	4.17E-02	4.36E-02	1.78E+00
2827	490269.73	3859155.34	0.30956	0.23956	1.05337	0.58212	0.68812	0.41137	0.2241	0.23956	1.49E+00	1.02E-02	2.53E-06	1.41E-02	1.48E-01	2.66E-02	3.66E-02	3.75E-02	1.68E+00
2828	490319.73	3859155.34	0.3044	0.22152	0.92682	0.53889	0.63698	0.38718	0.2074	0.22152	1.46E+00	9.43E-03	2.22E-06	1.31E-02	1.37E-01	2.51E-02	3.39E-02	3.47E-02	1.64E+00
2829	490069.73	3859205.34	0.34082	0.31342	1.06768	0.81742	0.67947	0.54947	0.299	0.31342	1.64E+00	1.33E-02	2.56E-06	1.98E-02	1.47E-01	3.56E-02	4.88E-02	4.91E-02	1.85E+00
2830	490119.73	3859205.34	0.3301	0.30025	1.18311	0.76769	0.69274	0.5326	0.2857	0.30025	1.58E+00	1.28E-02	2.84E-06	1.86E-02	1.49E-01	3.45E-02	4.66E-02	4.70E-02	1.80E+00
2831	490169.73	3859205.34	0.32163	0.28796	1.22901	0.71848	0.70049	0.50056	0.2678	0.28796	1.54E+00	1.23E-02	2.95E-06	1.74E-02	1.51E-01	3.24E-02	4.37E-02	4.51E-02	1.76E+00
2832	490219.73	3859205.34	0.31487	0.27063	1.25509	0.65443	0.69373	0.46413	0.2571	0.27063	1.51E+00	1.15E-02	3.01E-06	1.59E-02	1.50E-01	3.00E-02	4.20E-02	4.24E-02	1.72E+00
2833	490269.73	3859205.34	0.30927	0.24779	1.39075	0.59962	0.6978	0.42754	0.2373	0.24779	1.48E+00	1.05E-02	3.34E-06	1.45E-02	1.50E-01	2.77E-02	3.87E-02	3.88E-02	1.69E+00
2834	490319.73	3859205.34	0.30394	0.23381	1.42396	0.5613	0.6817	0.40811	0.2189	0.23381	1.46E+00	9.95E-03	3.42E-06	1.36E-02	1.47E-01	2.64E-02	3.57E-02	3.66E-02	1.65E+00
2835	490069.73	3859255.34	0.3484	0.33885	1.66039	0.918	0.6304	0.59851	0.3242	0.33885	1.67E+00	1.44E-02	3.98E-06	2.22E-02	1.36E-01	3.87E-02	5.29E-02	5.31E-02	1.88E+00
2836	490119.73	3859255.34	0.33937	0.32197	1.72166	0.84903	0.65373	0.56752	0.3107	0.32197	1.63E+00	1.37E-02	4.13E-06	2.06E-02	1.41E-01	3.67E-02	5.07E-02	5.04E-02	1.84E+00
2837	490169.73	3859255.34	0.33107	0.30898	1.84255	0.79122	0.67129	0.53648	0.2961	0.30898	1.59E+00	1.31E-02	4.42E-06	1.92E-02	1.45E-01	3.47E-02	4.83E-02	4.84E-02	1.80E+00
2838	490219.73	3859255.34	0.32339	0.28802	1.84208	0.71348	0.68378	0.49892	0.2772	0.28802	1.55E+00	1.23E-02	4.42E-06	1.73E-02	1.47E-01	3.23E-02	4.52E-02	4.51E-02	1.76E+00
2839	490269.73	3859255.34	0.31631	0.26923	1.72869	0.66417	0.68857	0.46947	0.2606	0.26923	1.52E+00	1.15E-02	4.15E-06	1.61E-02	1.49E-01	3.04E-02	4.25E-02	4.22E-02	1.72E+00
2840	490319.73	3859255.34	0.30962	0.25286	1.4662	0.61536	0.68233	0.4337	0.2391	0.25286	1.49E+00	1.08E-02	3.52E-06	1.49E-02	1.47E-01	2.81E-02	3.90E-02	3.96E-02	1.69E+00
2841	490069.73	3859305.34	0.36037	0.37557	2.7176	1.0738	0.57386	0.66314	0.3681	0.37557	1.73E+00	1.60E-02	6.52E-06	2.60E-02	1.24E-01	4.29E-02	6.01E-02	5.88E-02	1.94E+00
2842	490119.73	3859305.34	0.35032	0.35685	2.48573	0.972	0.604	0.62833	0.3347	0.35685	1.68E+00	1.52E-02	5.96E-06	2.35E-02	1.30E-01	4.07E-02	5.46E-02	5.59E-02	1.89E+00
2843	490169.73	3859305.34	0.34032	0.33583	2.09499	0.88528	0.62999	0.58918	0.3169	0.33583	1.63E+00	1.43E-02	5.02E-06	2.14E-02	1.36E-01	3.81E-02	5.17E-02	5.26E-02	1.84E+00
2844	490219.73	3859305.34	0.33	0.31743	1.82638	0.80869	0.65106	0.53932	0.3004	0.31743	1.58E+00	1.35E-02	4.38E-06	1.96E-02	1.40E-01	3.49E-02	4.90E-02	4.97E-02	1.79E+00
2845	490269.73	3859305.34	0.32178	0.29471	1.77779	0.73852	0.64504	0.50662	0.2826	0.29471	1.54E+00	1.25E-02	4.26E-06	1.79E-02	1.39E-01	3.28E-02	4.61E-02	4.62E-02	1.75E+00
2846	490319.73	3859305.34	0.3149	0.27439	1.71267	0.67481	0.67204	0.47151	0.2606	0.27439	1.51E+00	1.17E-02	4.11E-06	1.63E-02	1.45E-01	3.05E-02	4.25E-02	4.30E-02	1.71E+00

2847	490069.73	3859355.34	0.37471	0.42953	3.17301	1.31848	0.51173	0.78039	0.4279	0.42953	1.80E+00	1.83E-02	7.61E-06	3.19E-02	1.10E-01	5.05E-02	6.98E-02	6.73E-02	2.01E+00
2848	490119.73	3859355.34	0.36059	0.40172	2.80126	1.15833	0.54656	0.71918	0.4006	0.40172	1.73E+00	1.71E-02	6.72E-06	2.81E-02	1.18E-01	4.65E-02	6.54E-02	6.29E-02	1.94E+00
2849	490169.73	3859355.34	0.35179	0.37614	2.52474	1.04047	0.57885	0.67348	0.3685	0.37614	1.69E+00	1.60E-02	6.06E-06	2.52E-02	1.25E-01	4.36E-02	6.02E-02	5.89E-02	1.90E+00
2850	490219.73	3859355.34	0.34488	0.35073	2.32754	0.94834	0.60765	0.60434	0.3279	0.35073	1.66E+00	1.49E-02	5.58E-06	2.30E-02	1.31E-01	3.91E-02	5.35E-02	5.49E-02	1.86E+00
2851	490269.73	3859355.34	0.33578	0.32566	2.07536	0.85611	0.62946	0.54895	0.3105	0.32566	1.61E+00	1.39E-02	4.98E-06	2.07E-02	1.36E-01	3.55E-02	5.07E-02	5.10E-02	1.82E+00
2852	490319.73	3859355.34	0.32328	0.30455	1.89659	0.77192	0.63406	0.51111	0.2884	0.30455	1.55E+00	1.30E-02	4.55E-06	1.87E-02	1.37E-01	3.31E-02	4.71E-02	4.77E-02	1.75E+00
2853	490069.73	3859405.34	0.41825	0.5014	3.72356	1.84512	0.57269	1.04397	0.4828	0.5014	2.01E+00	2.13E-02	8.93E-06	4.47E-02	1.24E-01	6.75E-02	7.88E-02	7.85E-02	2.26E+00
2854	490119.73	3859405.34	0.39008	0.46254	3.0904	1.53471	0.48692	0.90508	0.4518	0.46254	1.87E+00	1.97E-02	7.41E-06	3.72E-02	1.05E-01	5.86E-02	7.38E-02	7.25E-02	2.09E+00
2855	490169.73	3859405.34	0.37069	0.42564	2.62889	1.30746	0.52333	0.82409	0.425	0.42564	1.78E+00	1.81E-02	6.30E-06	3.17E-02	1.13E-01	5.33E-02	6.94E-02	6.67E-02	2.00E+00
2856	490219.73	3859405.34	0.35676	0.39525	2.27799	1.13222	0.55635	0.72736	0.3972	0.39525	1.71E+00	1.68E-02	5.46E-06	2.74E-02	1.20E-01	4.71E-02	6.48E-02	6.19E-02	1.93E+00
2857	490269.73	3859405.34	0.34637	0.36647	2.06664	1.01281	0.5856	0.64527	0.3549	0.36647	1.66E+00	1.56E-02	4.96E-06	2.45E-02	1.26E-01	4.18E-02	5.79E-02	5.74E-02	1.87E+00
2858	490319.73	3859405.34	0.33966	0.33771	1.8219	0.90149	0.60909	0.57708	0.323	0.33771	1.63E+00	1.44E-02	4.37E-06	2.18E-02	1.31E-01	3.73E-02	5.27E-02	5.29E-02	1.83E+00
2859	490161.89	3859541.83	0.50467	0.71411	1.63425	2.73004	0.52516	1.48807	0.7148	0.71411	2.42E+00	3.04E-02	3.92E-06	6.61E-02	1.13E-01	9.63E-02	1.17E-01	1.12E-01	2.73E+00
2860	490171.89	3859541.83	0.49448	0.70058	1.61109	2.92269	0.53306	1.58615	0.6972	0.70058	2.37E+00	2.98E-02	3.86E-06	7.08E-02	1.15E-01	1.03E-01	1.14E-01	1.10E-01	2.70E+00
2861	490161.89	3859551.83	0.501	0.75605	1.61759	2.42588	0.52287	1.41818	0.7501	0.75605	2.40E+00	3.22E-02	3.88E-06	5.88E-02	1.13E-01	9.18E-02	1.22E-01	1.18E-01	2.70E+00
2862	490171.89	3859551.83	0.49514	0.73813	1.58481	2.56567	0.52137	1.50648	0.7437	0.73813	2.38E+00	3.14E-02	3.80E-06	6.22E-02	1.12E-01	9.75E-02	1.21E-01	1.16E-01	2.69E+00
2863	489799.72	3859348.21	0.5056	0.71412	4.12355	2.58498	0.62571	1.55253	0.6863	0.71412	2.43E+00	3.04E-02	9.89E-06	6.26E-02	1.35E-01	1.00E-01	1.12E-01	1.12E-01	2.75E+00
2864	489819.72	3859348.21	0.49164	0.67672	4.73144	3.02133	0.65419	1.98288	0.6455	0.67672	2.36E+00	2.88E-02	1.13E-05	7.32E-02	1.41E-01	1.28E-01	1.05E-01	1.06E-01	2.73E+00
2865	489799.72	3859368.21	0.51462	0.79553	6.23968	2.18298	0.58383	1.26075	0.7828	0.79553	2.47E+00	3.38E-02	1.50E-05	5.29E-02	1.26E-01	8.16E-02	1.28E-01	1.25E-01	2.77E+00
2866	489819.72	3859368.21	0.501	0.74843	8.1027	2.45602	0.61635	1.51519	0.7287	0.74843	2.40E+00	3.18E-02	1.94E-05	5.95E-02	1.33E-01	9.80E-02	1.19E-01	1.17E-01	2.73E+00
2867	489775.41	3859329.72	0.50935	0.69662	4.15809	2.62279	0.62422	1.61273	0.6633	0.69662	2.44E+00	2.96E-02	9.97E-06	6.35E-02	1.35E-01	1.04E-01	1.08E-01	1.09E-01	2.78E+00
2868	489795.41	3859329.72	0.5003	0.66023	2.94361	3.05779	0.6549	1.87169	0.6249	0.66023	2.40E+00	2.81E-02	7.06E-06	7.41E-02	1.41E-01	1.21E-01	1.02E-01	1.03E-01	2.76E+00
2869	489775.41	3859349.72	0.52285	0.77285	5.03958	2.18298	0.58252	1.28657	0.7527	0.77285	2.51E+00	3.29E-02	1.21E-05	5.29E-02	1.26E-01	8.32E-02	1.23E-01	1.21E-01	2.81E+00
2870	489795.41	3859349.72	0.50906	0.72841	4.24537	2.47107	0.61564	1.50788	0.7025	0.72841	2.44E+00	3.10E-02	1.02E-05	5.99E-02	1.33E-01	9.76E-02	1.15E-01	1.14E-01	2.76E+00
2871	489595.05	3859219.43	0.51461	0.65812	1.44637	2.34026	0.57737	1.34093	0.6158	0.65812	2.47E+00	2.80E-02	3.47E-06	5.67E-02	1.25E-01	8.68E-02	1.01E-01	1.03E-01	2.76E+00
2872	489615.05	3859219.43	0.5027	0.62458	1.55995	2.77608	0.6086	1.63699	0.5896	0.62458	2.41E+00	2.66E-02	3.74E-06	6.73E-02	1.31E-01	1.06E-01	9.62E-02	9.78E-02	2.74E+00
2873	489595.05	3859239.43	0.51452	0.72894	1.4668	1.96329	0.59136	1.08036	0.6815	0.72894	2.47E+00	3.10E-02	3.52E-06	4.76E-02	1.28E-01	6.99E-02	1.11E-01	1.14E-01	2.74E+00
2874	489615.05	3859239.43	0.50476	0.6876	1.80071	2.19083	0.57014	1.26295	0.6374	0.6876	2.42E+00	2.93E-02	4.32E-06	5.31E-02	1.23E-01	8.17E-02	1.04E-01	1.08E-01	2.71E+00
2875	489372.4	3859092.58	0.48686	0.64376	0.55922	2.10658	0.78969	1.05589	0.6096	0.64376	2.34E+00	2.74E-02	1.34E-06	5.10E-02	1.70E-01	6.83E-02	9.95E-02	1.01E-01	2.65E+00
2876	489422.4	3859092.58	0.47919	0.5712	0.55236	2.89777	0.7542	1.56055	0.5487	0.5712	2.30E+00	2.43E-02	1.32E-06	7.02E-02	1.63E-01	1.01E-01	8.96E-02	8.95E-02	2.66E+00
2877	489372.4	3859142.58	0.50495	0.83711	0.63713	1.59402	0.82357	0.76153	0.8202	0.83711	2.42E+00	3.56E-02	1.53E-06	3.86E-02	1.78E-01	4.93E-02	1.34E-01	1.31E-01	2.73E+00
2878	489422.4	3859142.58	0.48399	0.72103	0.62928	1.84697	0.75672	0.94835	0.6781	0.72103	2.32E+00	3.07E-02	1.51E-06	4.47E-02	1.63E-01	6.14E-02	1.11E-01	1.13E-01	2.62E+00
2879	488870.84	3858666.64	0.58912	0.39874	0.49723	2.59897	1.19317	1.19953	0.4701	0.39874	2.83E+00	1.70E-02	1.19E-06	6.30E-02	2.57E-01	7.76E-02	7.67E-02	6.25E-02	3.26E+00
2880	488900.84	3858666.64	0.56986	0.3859	0.46912	3.46018	1.17191	1.616	0.4372	0.3859	2.73E+00	1.64E-02	1.13E-06	8.38E-02	2.53E-01	1.05E-01	7.14E-02	6.05E-02	3.20E+00
2881	488870.84	3858696.64	0.5858	0.42533	0.5242	2.04732	1.17963	0.88942	0.517	0.42533	2.81E+00	1.81E-02	1.26E-06	4.96E-02	2.54E-01	5.75E-02	8.44E-02	6.66E-02	3.21E+00
2882	488900.84	3858696.64	0.56226	0.40969	0.5164	2.54114	1.16897	1.16506	0.4801	0.40969	2.70E+00	1.74E-02	1.24E-06	6.16E-02	2.52E-01	7.54E-02	7.84E-02	6.42E-02	3.12E+00
2883	488889.67	3858683.97	0.57496	0.40415	0.51846	2.58706	1.17883	1.19579	0.4755	0.40415	2.76E+00	1.72E-02	1.24E-06	6.27E-02	2.54E-01	7.74E-02	7.76E-02	6.33E-02	3.18E+00
2884	488919.67	3858683.97	0.55191	0.39075	0.48722	3.45183	1.1553	1.59785	0.4431	0.39075	2.65E+00	1.66E-02	1.17E-06	8.36E-02	2.49E-01	1.03E-01	7.23E-02	6.12E-02	3.11E+00
2885	488889.67	3858713.97	0.56511	0.43239	0.51094	2.07387	1.16704	0.8882	0.5197	0.43239	2.71E+00	1.84E-02	1.23E-06	5.02E-02	2.52E-01	5.75E-02	8.48E-02	6.77E-02	3.11E+00
2886	488919.67	3858713.97	0.54075	0.41557	0.50706	2.54403	1.15447	1.16088	0.4825	0.41557	2.60E+00	1.77E-02	1.22E-06	6.16E-02	2.49E-01	7.51E-02	7.88E-02	6.51E-02	3.01E+00
2887	488906.61	3858703.33	0.55474	0.41274	0.51352	2.50819	1.16397	1.1487	0.4828	0.41274	2.66E+00	1.76E-02	1.23E-06	6.08E-02	2.51E-01	7.43E-02	7.88E-02	6.47E-02	3.08E+00
2888	488936.61	3858703.33	0.53182	0.3987	0.5035	3.37036	1.14208	1.52638	0.4509	0.3987	2.55E+00	1.70E-02	1.21E-06	8.17E-02	2.46E-01	9.88E-02	7.36E-02	6.25E-02	3.01E+00
2889	488906.61	3858733.33	0.54563	0.44295	0.49311	2.04834	1.15594	0.86403	0.5282	0.44295	2.62E+00	1.88E-02	1.18E-06	4.96E-02	2.49E-01	5.59E-02	8.62E-02	6.94E-02	3.01E+00
2890	488936.61	3858733.33	0.52438	0.42421	0.49383	2.54548	1.14224	1.1266	0.4898	0.42421	2.52E+00	1.80E-02	1.18E-06	6.17E-02	2.46E-01	7.29E-02	7.99E-02	6.65E-02	2.93E+00
2891	488637.63	3858467.85	0.62541	0.33933	0.60159	2.13882	1.38903	1.06946	0.457	0.33933	3.00E+00	1.44E-02	1.44E-06	5.18E-02	3.00E-01	6.92E-02	7.46E-02	5.32E-02	3.46E+00
2892	488662.63	3858467.85	0.6079	0.3309	0.56948	2.6086	1.45558	1.30035	0.4317	0.3309	2.92E+00	1.41E-02	1.37E-06	6.32E-02	3.14E-01	8.41E-02	7.05E-02	5.18E-02	3.41E+00
2893	488637.63	3858492.85	0.61052	0.35931	0.61542	1.82914	1.3114	0.8813	0.4893	0.35931	2.93E+00	1.53E-02	1.48E-06	4.43E-02	2.83E-01	5.70E-02	7.99E-02	5.63E-02	3.35E+00
2894	488662.63	3858492.85	0.59318	0.3491	0.62468	2.10802	1.37223	1.03822	0.4595	0.3491	2.85E+00	1.49E-02	1.50E-06	5.11E-02	2.96E-01	6.72E-02	7.50E-02	5.47E-02	3.30E+00
2895	488687.63	3858492.85	0.57842	0.33843	0.62173	2.57513	1.43766	1.28179	0.4332	0.33843	2.78E+00	1.44E-02	1.49E-06	6.24E-02	3.10E-01	8.29E-02	7.07E-02	5.30E-02	3.26E+00
2896	488637.63	3858517.85	0.61139	0.38153	0.53578	1.65802	1.27998	0.80201	0.5277	0.38153	2.93E+00	1.62E-02	1.28E-06	4.02E-02	2.76E-01	5.19E-02	8.61E-02	5.98E-02	3.34E+00
2897	488662.63	3858517.85	0.59529	0.3696	0.55244	1.88896	1.29219	0.87615	0.4922	0.3696	2.86E+00	1.57E-02	1.32E-06	4.58E-02	2.79E-01	5.67E-02	8.03E-02	5.79E-02	3.28E+00
2898	488687.63	3858517.85	0.58069	0.35886	0.56682	2.15011	1.35582	1.00784	0.4619	0.35886	2.79E+00	1.53E-02	1.36E-06	5.21E-02	2.92E-01	6.52E-02	7.54E-02	5.62E-02	3.23E+00
2899	488194.42	3857168.98	0.34131	0.10929	0.32452	0.37251	7.51335	0.28116	0.1802	0.10929	1.64E+00	4.65E-03	7.78E-07	9.02E-03	1.62E+00	1.82E-02	2.94E-02	1.71E-02	3.30E+00
2900	488244.42	3857168.98	0.33364	0.11062	0.29715	0.35754	6.79155	0.27878	0.1765	0.11062	1.60E+00	4.71E-03	7.13E-07	8.66E-03	1.46E+00	1.80E-02	2.88E-02	1.73E-02	3.11E+00
2901	488294.42	3857168.98	0.3278	0.11105	0.2898	0.34761	6.22585	0.27579	0.1718	0.11105	1.57E+00	4.73E-03	6.95E-07	8.42E-03	1.34E+00	1.78E-02	2.80E-02	1.74E-02	2.96E+00
2902	488244.42	3857218.98	0.34209	0.11291	0.28039	0.37769	7.30804	0.2926	0.1821	0.11291	1.64E+00	4.80E-03	6.72E-07	9.15E-03	1.58E+00	1.89E-02	2.97E-02	1.77E-02	3.26E+00
2903	488294.42	3857218.98	0.33438	0.11354	0.25986	0.3586	6.39423	0.27558	0.1774	0.11354	1.60E+00	4.83E-03	6.23E-07	8.69E-03	1.38E+00	1.78E-02	2.90E-02	1.78E-02	3.03E+00

2904	488294.42	3857268.98	0.34111	0.11607	0.26789	0.37076	6.75598	0.28233	0.1835	0.11607	1.64E+00	4.94E-03	6.42E-07	8.98E-03	1.46E+00	1.83E-02	2.99E-02	1.82E-02	3.14E+00
2905	488139.13	3857111.68	0.33924	0.10708	0.32737	0.36942	7.4538	0.26248	0.1776	0.10708	1.63E+00	4.56E-03	7.85E-07	8.95E-03	1.61E+00	1.70E-02	2.90E-02	1.68E-02	3.28E+00
2906	488189.13	3857111.68	0.3325	0.10734	0.32264	0.35547	6.6382	0.26397	0.175	0.10734	1.60E+00	4.57E-03	7.74E-07	8.61E-03	1.43E+00	1.71E-02	2.86E-02	1.68E-02	3.07E+00
2907	488189.13	3857161.68	0.3407	0.10892	0.32553	0.37187	7.47879	0.27894	0.1798	0.10892	1.63E+00	4.63E-03	7.81E-07	9.01E-03	1.61E+00	1.80E-02	2.94E-02	1.71E-02	3.29E+00
2908	487951.04	3856961.26	0.35534	0.10453	0.25221	0.3802	8.42904	0.26389	0.1799	0.10453	1.71E+00	4.45E-03	6.05E-07	9.21E-03	1.82E+00	1.71E-02	2.94E-02	1.64E-02	3.57E+00
2909	488001.04	3856961.26	0.34863	0.10377	0.25282	0.36368	7.5496	0.26137	0.1749	0.10377	1.67E+00	4.42E-03	6.06E-07	8.81E-03	1.63E+00	1.69E-02	2.86E-02	1.63E-02	3.34E+00
2910	488051.04	3856961.26	0.34299	0.10234	0.24839	0.35185	6.9282	0.25526	0.1697	0.10234	1.65E+00	4.35E-03	5.96E-07	8.52E-03	1.49E+00	1.65E-02	2.77E-02	1.60E-02	3.18E+00
2911	488101.04	3856961.26	0.32785	0.10236	0.23399	0.3352	5.95634	0.24736	0.1663	0.10236	1.57E+00	4.36E-03	5.61E-07	8.12E-03	1.28E+00	1.60E-02	2.71E-02	1.60E-02	2.90E+00
2912	487951.04	3857011.26	0.36077	0.10734	0.26342	0.39739	9.39813	0.27896	0.1861	0.10734	1.73E+00	4.57E-03	6.32E-07	9.63E-03	2.03E+00	1.80E-02	3.04E-02	1.68E-02	3.80E+00
2913	488001.04	3857011.26	0.35473	0.10625	0.25881	0.38225	8.10116	0.27842	0.1797	0.10625	1.70E+00	4.52E-03	6.21E-07	9.26E-03	1.75E+00	1.80E-02	2.93E-02	1.66E-02	3.49E+00
2914	488051.04	3857011.26	0.34874	0.10491	0.25689	0.36654	7.26713	0.26529	0.1741	0.10491	1.67E+00	4.46E-03	6.16E-07	8.88E-03	1.57E+00	1.72E-02	2.84E-02	1.64E-02	3.28E+00
2915	488101.04	3857011.26	0.33476	0.10503	0.24717	0.34832	6.65238	0.25588	0.17	0.10503	1.61E+00	4.47E-03	5.93E-07	8.44E-03	1.43E+00	1.66E-02	2.78E-02	1.65E-02	3.08E+00
2916	488001.04	3857061.26	0.36021	0.10789	0.23965	0.39778	9.35898	0.28552	0.1849	0.10789	1.73E+00	4.59E-03	5.75E-07	9.64E-03	2.02E+00	1.85E-02	3.02E-02	1.69E-02	3.79E+00
2917	488051.04	3857061.26	0.35329	0.10707	0.23754	0.38274	8.28428	0.274	0.1791	0.10707	1.70E+00	4.56E-03	5.70E-07	9.27E-03	1.79E+00	1.77E-02	2.92E-02	1.68E-02	3.53E+00
2918	488101.04	3857061.26	0.34183	0.10639	0.25351	0.36315	7.07163	0.26175	0.175	0.10639	1.64E+00	4.53E-03	6.08E-07	8.80E-03	1.53E+00	1.69E-02	2.86E-02	1.67E-02	3.21E+00
2919	487638.98	3856673.79	0.37344	0.09241	0.2753	0.36531	3.80249	0.25242	0.1835	0.09241	1.79E+00	3.93E-03	6.60E-07	8.85E-03	8.20E-01	1.63E-02	3.00E-02	1.45E-02	2.66E+00
2920	487688.98	3856673.79	0.36446	0.09175	0.27564	0.34626	3.90369	0.23829	0.1788	0.09175	1.75E+00	3.90E-03	6.61E-07	8.39E-03	8.42E-01	1.54E-02	2.92E-02	1.44E-02	2.63E+00
2921	487638.98	3856723.79	0.37788	0.09554	0.27976	0.37868	4.34107	0.26756	0.1888	0.09554	1.81E+00	4.07E-03	6.71E-07	9.17E-03	9.36E-01	1.73E-02	3.08E-02	1.50E-02	2.80E+00
2922	487688.98	3856723.79	0.36889	0.09478	0.27133	0.36963	4.33556	0.25379	0.1832	0.09478	1.77E+00	4.03E-03	6.51E-07	8.95E-03	9.35E-01	1.64E-02	2.99E-02	1.48E-02	2.75E+00
2923	486324.61	3855740.57	0.45796	0.0827	0.37723	0.38498	0.32024	0.24891	0.1985	0.0827	2.20E+00	3.52E-03	9.05E-07	9.33E-03	6.91E-02	1.61E-02	3.24E-02	1.30E-02	2.32E+00
2924	486374.61	3855740.57	0.45903	0.0819	0.35385	0.35432	0.33269	0.23287	0.1953	0.0819	2.20E+00	3.48E-03	8.49E-07	8.58E-03	7.18E-02	1.51E-02	3.19E-02	1.28E-02	2.32E+00
2925	486424.61	3855740.57	0.45375	0.08223	0.32273	0.34337	0.39534	0.22884	0.1838	0.08223	2.18E+00	3.50E-03	7.74E-07	8.32E-03	8.53E-02	1.48E-02	3.00E-02	1.29E-02	2.31E+00
2926	486324.61	3855790.57	0.46639	0.0819	0.37802	0.41989	0.28864	0.25966	0.2173	0.0819	2.24E+00	3.48E-03	9.07E-07	1.02E-02	6.23E-02	1.68E-02	3.55E-02	1.28E-02	2.35E+00
2927	486374.61	3855790.57	0.46596	0.08094	0.35101	0.37384	0.3397	0.2428	0.1951	0.08094	2.24E+00	3.44E-03	8.42E-07	9.06E-03	7.33E-02	1.57E-02	3.18E-02	1.27E-02	2.36E+00
2928	486424.61	3855790.57	0.45788	0.0818	0.33573	0.36819	0.36109	0.23483	0.189	0.0818	2.20E+00	3.48E-03	8.05E-07	8.92E-03	7.79E-02	1.52E-02	3.08E-02	1.28E-02	2.32E+00
2929	486324.61	3855840.57	0.47564	0.08112	0.38189	0.45432	0.31578	0.2666	0.2387	0.08112	2.28E+00	3.45E-03	9.16E-07	1.10E-02	6.81E-02	1.72E-02	3.90E-02	1.27E-02	2.41E+00
2930	486374.61	3855840.57	0.46746	0.08142	0.3761	0.43945	0.30977	0.25862	0.2267	0.08142	2.24E+00	3.46E-03	9.02E-07	1.06E-02	6.68E-02	1.67E-02	3.70E-02	1.28E-02	2.37E+00
2931	486424.61	3855840.57	0.46224	0.08147	0.36251	0.3981	0.36251	0.24971	0.207	0.08147	2.22E+00	3.47E-03	8.69E-07	9.64E-03	7.82E-02	1.62E-02	3.38E-02	1.28E-02	2.35E+00
2932	486324.61	3855890.57	0.47917	0.08159	0.41602	0.5229	0.46001	0.287	0.253	0.08159	2.30E+00	3.47E-03	9.98E-07	1.27E-02	9.92E-02	1.86E-02	4.13E-02	1.28E-02	2.46E+00
2933	486374.61	3855890.57	0.47144	0.08158	0.40192	0.48587	0.36937	0.27426	0.243	0.08158	2.26E+00	3.47E-03	9.64E-07	1.18E-02	7.97E-02	1.77E-02	3.97E-02	1.28E-02	2.40E+00
2934	486424.61	3855890.57	0.46659	0.08135	0.38574	0.45494	0.333	0.26417	0.2287	0.08135	2.24E+00	3.46E-03	9.25E-07	1.10E-02	7.18E-02	1.71E-02	3.73E-02	1.27E-02	2.37E+00
2935	488735.69	3858285.64	0.58494	0.24108	0.57696	1.05116	1.52197	0.80049	0.2815	0.24108	2.81E+00	1.03E-02	1.38E-06	2.55E-02	3.28E-01	5.18E-02	4.59E-02	3.78E-02	3.23E+00
2936	488765.69	3858285.64	0.55905	0.23728	0.56565	0.97673	1.49086	0.76505	0.2716	0.23728	2.68E+00	1.01E-02	1.36E-06	2.37E-02	3.22E-01	4.95E-02	4.43E-02	3.72E-02	3.09E+00
2937	488735.69	3858315.64	0.57609	0.24794	0.65108	1.16007	1.47122	0.85667	0.2942	0.24794	2.76E+00	1.05E-02	1.56E-06	2.81E-02	3.17E-01	5.54E-02	4.80E-02	3.88E-02	3.19E+00
2938	488765.69	3858315.64	0.55795	0.24338	0.62335	1.06524	1.47214	0.79472	0.2831	0.24338	2.68E+00	1.04E-02	1.50E-06	2.58E-02	3.18E-01	5.14E-02	4.62E-02	3.81E-02	3.09E+00
2939	478676.63	3849871.93	0.07235	0.28589	0.01798	0.0231	0.04272	0.02563	0.2878	0.28589	3.47E-01	1.22E-02	4.31E-08	5.60E-04	9.21E-03	1.66E-03	4.70E-02	4.48E-02	3.73E-01
2940	479326.63	3849871.93	0.06305	0.17314	0.02074	0.02175	0.04303	0.02501	0.1742	0.17314	3.03E-01	7.37E-03	4.97E-08	5.27E-04	9.28E-03	1.62E-03	2.84E-02	2.71E-02	3.23E-01
2941	479376.63	3849871.93	0.06026	0.16883	0.02047	0.0216	0.04359	0.0241	0.1699	0.16883	2.89E-01	7.18E-03	4.91E-08	5.23E-04	9.40E-03	1.56E-03	2.77E-02	2.64E-02	3.09E-01
2942	479426.63	3849871.93	0.05744	0.16697	0.02023	0.02143	0.04416	0.02408	0.168	0.16697	2.76E-01	7.10E-03	4.85E-08	5.19E-04	9.52E-03	1.56E-03	2.74E-02	2.62E-02	2.96E-01
2943	478726.63	3849921.93	0.07332	0.29376	0.01816	0.02362	0.04295	0.02571	0.2955	0.29376	3.52E-01	1.25E-02	4.36E-08	5.72E-04	9.26E-03	1.66E-03	4.82E-02	4.60E-02	3.78E-01
2944	478776.63	3849921.93	0.07182	0.2847	0.01883	0.02237	0.04296	0.02551	0.2866	0.2847	3.45E-01	1.21E-02	4.52E-08	5.42E-04	9.27E-03	1.65E-03	4.68E-02	4.46E-02	3.70E-01
2945	478826.63	3849921.93	0.07207	0.27533	0.01947	0.02202	0.04274	0.02531	0.2768	0.27533	3.46E-01	1.17E-02	4.67E-08	5.33E-04	9.22E-03	1.64E-03	4.52E-02	4.31E-02	3.71E-01
2946	478976.63	3849921.93	0.07704	0.24828	0.02208	0.02225	0.0404	0.02477	0.25	0.24828	3.70E-01	1.06E-02	5.30E-08	5.39E-04	8.71E-03	1.60E-03	4.08E-02	3.89E-02	3.93E-01
2947	479026.63	3849921.93	0.07448	0.24293	0.02174	0.02228	0.03914	0.02465	0.2446	0.24293	3.57E-01	1.03E-02	5.21E-08	5.40E-04	8.44E-03	1.59E-03	3.99E-02	3.81E-02	3.80E-01
2948	479076.63	3849921.93	0.07245	0.23506	0.02201	0.02229	0.03979	0.02453	0.2367	0.23506	3.48E-01	1.00E-02	5.28E-08	5.40E-04	8.58E-03	1.59E-03	3.86E-02	3.68E-02	3.70E-01
2949	479126.63	3849921.93	0.07082	0.22642	0.02235	0.02228	0.04039	0.02444	0.2281	0.22642	3.40E-01	9.63E-03	5.36E-08	5.40E-04	8.71E-03	1.58E-03	3.72E-02	3.55E-02	3.62E-01
2950	479176.63	3849921.93	0.06889	0.21963	0.02249	0.02224	0.04097	0.02437	0.2215	0.21963	3.31E-01	9.34E-03	5.39E-08	5.39E-04	8.84E-03	1.58E-03	3.62E-02	3.44E-02	3.53E-01
2951	479226.63	3849921.93	0.06816	0.20531	0.02157	0.02219	0.04152	0.02431	0.2065	0.20531	3.27E-01	8.74E-03	5.17E-08	5.38E-04	8.95E-03	1.57E-03	3.37E-02	3.22E-02	3.48E-01
2952	479276.63	3849921.93	0.06936	0.18609	0.02135	0.02183	0.04208	0.02424	0.1872	0.18609	3.33E-01	7.92E-03	5.12E-08	5.29E-04	9.08E-03	1.57E-03	3.06E-02	2.92E-02	3.53E-01
2953	479326.63	3849921.93	0.06581	0.19154	0.02108	0.02141	0.0427	0.02482	0.1927	0.19154	3.16E-01	8.15E-03	5.06E-08	5.19E-04	9.21E-03	1.61E-03	3.15E-02	3.00E-02	3.37E-01
2954	479376.63	3849921.93	0.06336	0.17811	0.02083	0.02189	0.04321	0.02537	0.1792	0.17811	3.04E-01	7.58E-03	5.00E-08	5.30E-04	9.32E-03	1.64E-03	2.93E-02	2.79E-02	3.24E-01
2955	479426.63	3849921.93	0.06022	0.18021	0.02054	0.02172	0.0438	0.02583	0.1813	0.18021	2.89E-01	7.67E-03	4.93E-08	5.26E-04	9.45E-03	1.67E-03	2.96E-02	2.82E-02	3.10E-01
2956	478726.63	3849971.93	0.07604	0.31309	0.01765	0.02579	0.04283	0.02597	0.3141	0.31309	3.65E-01	1.33E-02	4.23E-08	6.25E-04	9.24E-03	1.68E-03	5.13E-02	4.90E-02	3.92E-01
2957	478776.63	3849971.93	0.07442	0.30107	0.01834	0.02417	0.04319	0.02578	0.3021	0.30107	3.57E-01	1.28E-02	4.40E-08	5.86E-04	9.31E-03	1.67E-03	4.93E-02	4.72E-02	3.84E-01
2958	478826.63	3849971.93	0.07548	0.29036	0.01901	0.02266	0.04331	0.02557	0.292	0.29036	3.62E-01	1.24E-02	4.56E-08	5.49E-04	9.34E-03	1.65E-03	4.77E-02	4.55E-02	3.88E-01
2959	478976.63	3849971.93	0.08183	0.26573	0.02252	0.02231	0.04177	0.025	0.2675	0.26573	3.93E-01	1.13E-02	5.40E-08	5.41E-04	9.01E-03	1.62E-03	4.37E-02	4.16E-02	4.17E-01
2960	479026.63	3849971.93	0.08024	0.25739	0.02218	0.02237	0.0408	0.02484	0.2592	0.25739	3.85E-01	1.10E-02	5.32E-08	5.42E-04	8.80E-03	1.61E-03	4.23E-02	4.03E-02	4.09E-01

2961	479076.63	3849971.93	0.07689	0.24947	0.02182	0.02241	0.03956	0.0247	0.2513	0.24947	3.69E-01	1.06E-02	5.23E-08	5.43E-04	8.53E-03	1.60E-03	4.10E-02	3.91E-02	3.92E-01
2962	479126.63	3849971.93	0.07385	0.24239	0.02218	0.02242	0.03993	0.02459	0.2439	0.24239	3.54E-01	1.03E-02	5.32E-08	5.43E-04	8.61E-03	1.59E-03	3.98E-02	3.80E-02	3.77E-01
2963	479176.63	3849971.93	0.07368	0.23545	0.02252	0.02241	0.04055	0.02451	0.2372	0.23545	3.54E-01	1.00E-02	5.40E-08	5.43E-04	8.75E-03	1.59E-03	3.87E-02	3.69E-02	3.76E-01
2964	479226.63	3849971.93	0.07595	0.20765	0.02202	0.0224	0.04107	0.0244	0.209	0.20765	3.64E-01	8.84E-03	5.28E-08	5.43E-04	8.86E-03	1.58E-03	3.41E-02	3.25E-02	3.86E-01
2965	479276.63	3849971.93	0.07188	0.21279	0.02167	0.02233	0.04168	0.02438	0.2139	0.21279	3.45E-01	9.05E-03	5.20E-08	5.41E-04	8.99E-03	1.58E-03	3.49E-02	3.33E-02	3.67E-01
2966	479326.63	3849971.93	0.06813	0.21449	0.02142	0.02223	0.04233	0.02443	0.2166	0.21449	3.27E-01	9.13E-03	5.14E-08	5.39E-04	9.13E-03	1.58E-03	3.53E-02	3.36E-02	3.49E-01
2967	479376.63	3849971.93	0.06762	0.19283	0.02118	0.02157	0.04286	0.02515	0.194	0.19283	3.25E-01	8.20E-03	5.08E-08	5.23E-04	9.24E-03	1.63E-03	3.17E-02	3.02E-02	3.46E-01
2968	479426.63	3849971.93	0.0638	0.19034	0.0209	0.02201	0.04342	0.0258	0.1915	0.19034	3.06E-01	8.10E-03	5.01E-08	5.33E-04	9.36E-03	1.67E-03	3.13E-02	2.98E-02	3.27E-01
2969	478726.63	3850021.93	0.08146	0.34445	0.0171	0.02782	0.04036	0.02624	0.3463	0.34445	3.91E-01	1.47E-02	4.10E-08	6.74E-04	8.70E-03	1.70E-03	5.65E-02	5.40E-02	4.19E-01
2970	478776.63	3850021.93	0.07927	0.3275	0.01782	0.02635	0.043	0.02605	0.3284	0.3275	3.80E-01	1.39E-02	4.27E-08	6.38E-04	9.27E-03	1.69E-03	5.36E-02	5.13E-02	4.08E-01
2971	478826.63	3850021.93	0.07905	0.31364	0.01853	0.02474	0.04343	0.02585	0.3145	0.31364	3.79E-01	1.33E-02	4.44E-08	5.99E-04	9.37E-03	1.67E-03	5.13E-02	4.91E-02	4.07E-01
2972	478976.63	3850021.93	0.08763	0.27883	0.02293	0.02234	0.04293	0.02524	0.2797	0.27883	4.21E-01	1.19E-02	5.50E-08	5.41E-04	9.26E-03	1.63E-03	4.57E-02	4.37E-02	4.46E-01
2973	478726.63	3850071.93	0.08911	0.37918	0.01769	0.02816	0.03818	0.0265	0.3812	0.37918	4.28E-01	1.61E-02	4.24E-08	6.82E-04	8.23E-03	1.71E-03	6.22E-02	5.94E-02	4.57E-01
2974	478776.63	3850071.93	0.08566	0.36227	0.01728	0.02804	0.04024	0.02633	0.3643	0.36227	4.11E-01	1.54E-02	4.14E-08	6.79E-04	8.68E-03	1.70E-03	5.95E-02	5.68E-02	4.40E-01
2975	478826.63	3850071.93	0.0837	0.34658	0.01801	0.0269	0.0431	0.02613	0.3486	0.34658	4.02E-01	1.47E-02	4.32E-08	6.52E-04	9.30E-03	1.69E-03	5.69E-02	5.43E-02	4.31E-01
2976	478876.63	3850071.93	0.08478	0.32958	0.01872	0.02529	0.04359	0.02592	0.3313	0.32958	4.07E-01	1.40E-02	4.49E-08	6.13E-04	9.40E-03	1.68E-03	5.41E-02	5.16E-02	4.35E-01
2977	478976.63	3850071.93	0.09311	0.30103	0.02155	0.02257	0.04364	0.0255	0.3019	0.30103	4.47E-01	1.28E-02	5.17E-08	5.47E-04	9.41E-03	1.65E-03	4.93E-02	4.72E-02	4.73E-01
2978	478726.63	3850121.93	0.11338	0.42166	0.01842	0.02844	0.03814	0.02673	0.422	0.42166	5.44E-01	1.79E-02	4.42E-08	6.89E-04	8.23E-03	1.73E-03	6.89E-02	6.61E-02	5.76E-01
2979	478776.63	3850121.93	0.09863	0.39717	0.0178	0.02838	0.03833	0.02659	0.3976	0.39717	4.73E-01	1.69E-02	4.27E-08	6.88E-04	8.27E-03	1.72E-03	6.49E-02	6.22E-02	5.04E-01
2980	478826.63	3850121.93	0.09056	0.37768	0.01746	0.02827	0.04019	0.02642	0.3794	0.37768	4.35E-01	1.61E-02	4.19E-08	6.85E-04	8.67E-03	1.71E-03	6.19E-02	5.92E-02	4.64E-01
2981	478876.63	3850121.93	0.08933	0.36065	0.0182	0.02745	0.0432	0.02621	0.3625	0.36065	4.29E-01	1.53E-02	4.36E-08	6.65E-04	9.32E-03	1.70E-03	5.92E-02	5.65E-02	4.58E-01
2982	478976.63	3850121.93	0.09822	0.32682	0.01961	0.02411	0.04391	0.02578	0.3275	0.32682	4.71E-01	1.39E-02	4.70E-08	5.84E-04	9.47E-03	1.67E-03	5.35E-02	5.12E-02	4.99E-01
2983	479026.63	3850121.93	0.09991	0.31331	0.02233	0.02289	0.04388	0.02557	0.314	0.31331	4.79E-01	1.33E-02	5.36E-08	5.55E-04	9.46E-03	1.65E-03	5.13E-02	4.91E-02	5.07E-01
2984	479076.63	3850121.93	0.0968	0.29884	0.02314	0.02257	0.04365	0.02536	0.3	0.29884	4.65E-01	1.27E-02	5.55E-08	5.47E-04	9.41E-03	1.64E-03	4.90E-02	4.68E-02	4.91E-01
2985	479126.63	3850121.93	0.0917	0.28901	0.02282	0.02266	0.04311	0.02518	0.2898	0.28901	4.40E-01	1.23E-02	5.47E-08	5.49E-04	9.30E-03	1.63E-03	4.73E-02	4.53E-02	4.66E-01
2986	478776.63	3850171.93	0.12115	0.44802	0.01854	0.02865	0.03828	0.02684	0.4478	0.44802	5.81E-01	1.91E-02	4.45E-08	6.94E-04	8.26E-03	1.74E-03	7.31E-02	7.02E-02	6.14E-01
2987	478826.63	3850171.93	0.11165	0.42125	0.0179	0.0286	0.03849	0.02669	0.4212	0.42125	5.36E-01	1.79E-02	4.29E-08	6.93E-04	8.30E-03	1.73E-03	6.88E-02	6.60E-02	5.67E-01
2988	478876.63	3850171.93	0.09668	0.39796	0.01765	0.0285	0.04004	0.0265	0.3981	0.39796	4.64E-01	1.69E-02	4.23E-08	6.90E-04	8.64E-03	1.71E-03	6.50E-02	6.23E-02	4.95E-01
2989	478976.63	3850171.93	0.10245	0.36009	0.01912	0.02636	0.04373	0.02607	0.3617	0.36009	4.92E-01	1.53E-02	4.59E-08	6.39E-04	9.43E-03	1.69E-03	5.90E-02	5.64E-02	5.21E-01
2990	479026.63	3850171.93	0.10614	0.34054	0.02022	0.02464	0.04397	0.02585	0.3411	0.34054	5.09E-01	1.45E-02	4.85E-08	5.97E-04	9.48E-03	1.67E-03	5.57E-02	5.33E-02	5.38E-01
2991	479076.63	3850171.93	0.10242	0.32648	0.02313	0.0232	0.04411	0.02563	0.3271	0.32648	4.92E-01	1.39E-02	5.55E-08	5.62E-04	9.51E-03	1.66E-03	5.34E-02	5.11E-02	5.19E-01
2992	479126.63	3850171.93	0.0986	0.31315	0.02325	0.02269	0.04391	0.02543	0.3137	0.31315	4.73E-01	1.33E-02	5.58E-08	5.50E-04	9.47E-03	1.65E-03	5.12E-02	4.91E-02	5.00E-01
2993	479176.63	3850171.93	0.09351	0.30076	0.02292	0.02278	0.04337	0.02525	0.3014	0.30076	4.49E-01	1.28E-02	5.50E-08	5.52E-04	9.35E-03	1.63E-03	4.92E-02	4.71E-02	4.75E-01
2994	479226.63	3850171.93	0.08779	0.28628	0.02256	0.02284	0.04234	0.0251	0.2877	0.28628	4.21E-01	1.22E-02	5.41E-08	5.53E-04	9.13E-03	1.62E-03	4.70E-02	4.48E-02	4.47E-01
2995	479276.63	3850171.93	0.08245	0.27801	0.02261	0.02287	0.04103	0.02498	0.2777	0.27801	3.96E-01	1.18E-02	5.42E-08	5.54E-04	8.85E-03	1.62E-03	4.53E-02	4.36E-02	4.20E-01
2996	479326.63	3850171.93	0.07906	0.26975	0.02297	0.0229	0.04063	0.02487	0.2704	0.26975	3.79E-01	1.15E-02	5.51E-08	5.55E-04	8.76E-03	1.61E-03	4.41E-02	4.23E-02	4.04E-01
2997	479376.63	3850171.93	0.07693	0.26307	0.02327	0.02291	0.04125	0.02479	0.2612	0.26307	3.69E-01	1.12E-02	5.58E-08	5.55E-04	8.90E-03	1.60E-03	4.26E-02	4.12E-02	3.93E-01
2998	478676.63	3850221.93	0.1327	0.64145	0.0205	0.02863	0.03436	0.02485	0.6382	0.64145	6.37E-01	2.73E-02	4.92E-08	6.94E-04	7.41E-03	1.61E-03	1.04E-01	1.00E-01	6.78E-01
2999	478726.63	3850221.93	0.12673	0.57311	0.01991	0.02876	0.03656	0.02712	0.571	0.57311	6.08E-01	2.44E-02	4.78E-08	6.97E-04	7.89E-03	1.75E-03	9.32E-02	8.98E-02	6.46E-01
3000	478976.63	3850221.93	0.10605	0.39556	0.0186	0.02853	0.04304	0.02638	0.3961	0.39556	5.09E-01	1.68E-02	4.46E-08	6.91E-04	9.28E-03	1.71E-03	6.47E-02	6.20E-02	5.40E-01
3001	479026.63	3850221.93	0.1111	0.37616	0.01933	0.02696	0.04361	0.02615	0.3776	0.37616	5.33E-01	1.60E-02	4.64E-08	6.53E-04	9.41E-03	1.69E-03	6.16E-02	5.89E-02	5.64E-01
3002	479076.63	3850221.93	0.10731	0.35676	0.02096	0.02526	0.04406	0.02592	0.3572	0.35676	5.15E-01	1.52E-02	5.03E-08	6.12E-04	9.50E-03	1.68E-03	5.83E-02	5.59E-02	5.44E-01
3003	479126.63	3850221.93	0.10336	0.34084	0.02367	0.02352	0.04421	0.0257	0.3414	0.34084	4.96E-01	1.45E-02	5.68E-08	5.70E-04	9.53E-03	1.66E-03	5.57E-02	5.34E-02	5.25E-01
3004	479176.63	3850221.93	0.09926	0.32528	0.02336	0.02279	0.0439	0.02549	0.3258	0.32528	4.76E-01	1.38E-02	5.60E-08	5.52E-04	9.47E-03	1.65E-03	5.32E-02	5.10E-02	5.04E-01
3005	479226.63	3850221.93	0.09518	0.31111	0.02303	0.02288	0.0433	0.02532	0.3118	0.31111	4.57E-01	1.32E-02	5.52E-08	5.54E-04	9.34E-03	1.64E-03	5.09E-02	4.87E-02	4.84E-01
3006	479276.63	3850221.93	0.08926	0.29821	0.02267	0.02294	0.04242	0.02516	0.2989	0.29821	4.28E-01	1.27E-02	5.44E-08	5.56E-04	9.15E-03	1.63E-03	4.88E-02	4.67E-02	4.54E-01
3007	479326.63	3850221.93	0.0844	0.29174	0.02279	0.023	0.04166	0.02503	0.2895	0.29174	4.05E-01	1.24E-02	5.47E-08	5.57E-04	8.99E-03	1.62E-03	4.72E-02	4.57E-02	4.30E-01
3008	479376.63	3850221.93	0.08157	0.27896	0.02316	0.02303	0.04078	0.02493	0.2788	0.27896	3.91E-01	1.19E-02	5.55E-08	5.58E-04	8.80E-03	1.61E-03	4.55E-02	4.37E-02	4.16E-01
3009	478676.63	3850271.93	0.15777	0.86728	0.02121	0.02898	0.03246	0.02342	0.8566	0.86728	7.57E-01	3.69E-02	5.09E-08	7.02E-04	7.00E-03	1.52E-03	1.40E-01	1.36E-01	8.07E-01
3010	478726.63	3850271.93	0.14298	0.7301	0.02065	0.02881	0.03414	0.02646	0.7242	0.7301	6.86E-01	3.11E-02	4.95E-08	6.98E-04	7.36E-03	1.71E-03	1.18E-01	1.14E-01	7.31E-01
3011	478976.63	3850271.93	0.11978	0.44859	0.01804	0.02895	0.04072	0.02669	0.448	0.44859	5.75E-01	1.91E-02	4.33E-08	7.01E-04	8.78E-03	1.73E-03	7.31E-02	7.03E-02	6.08E-01
3012	479026.63	3850271.93	0.11661	0.41841	0.01881	0.02882	0.04289	0.02646	0.4181	0.41841	5.60E-01	1.78E-02	4.51E-08	6.98E-04	9.25E-03	1.71E-03	6.83E-02	6.55E-02	5.92E-01
3013	479076.63	3850271.93	0.11273	0.39483	0.01954	0.02758	0.04357	0.02623	0.3956	0.39483	5.41E-01	1.68E-02	4.69E-08	6.68E-04	9.40E-03	1.70E-03	6.46E-02	6.19E-02	5.72E-01
3014	479126.63	3850271.93	0.11199	0.37429	0.02176	0.02588	0.044	0.02599	0.3745	0.37429	5.37E-01	1.59E-02	5.22E-08	6.27E-04	9.49E-03	1.68E-03	6.11E-02	5.86E-02	5.68E-01
3015	479176.63	3850271.93	0.10685	0.3553	0.02379	0.02409	0.04409	0.02577	0.3556	0.3553	5.13E-01	1.51E-02	5.71E-08	5.84E-04	9.51E-03	1.67E-03	5.80E-02	5.57E-02	5.42E-01
3016	479226.63	3850271.93	0.10137	0.33788	0.02348	0.0231	0.04384	0.02556	0.3384	0.33788	4.86E-01	1.44E-02	5.63E-08	5.60E-04	9.46E-03	1.65E-03	5.52E-02	5.29E-02	5.15E-01
3017	479276.63	3850271.93	0.09632	0.32354	0.02313	0.02299	0.04345	0.02538	0.3241	0.32354	4.62E-01	1.38E-02	5.55E-08	5.57E-04	9.37E-03	1.64E-03	5.29E-02	5.07E-02	4.90E-01

3018	479326.63	3850271.93	0.09209	0.31198	0.02276	0.02308	0.04298	0.02522	0.3126	0.31198	4.42E-01	1.33E-02	5.46E-08	5.59E-04	9.27E-03	1.63E-03	5.10E-02	4.89E-02	4.69E-01
3019	479376.63	3850271.93	0.08837	0.30164	0.02299	0.02315	0.04232	0.02509	0.3015	0.30164	4.24E-01	1.28E-02	5.51E-08	5.61E-04	9.13E-03	1.62E-03	4.92E-02	4.73E-02	4.50E-01
3020	479053.24	3850293.52	0.11727	0.42644	0.01898	0.02891	0.04287	0.02648	0.426	0.42644	5.63E-01	1.81E-02	4.55E-08	7.00E-04	9.25E-03	1.71E-03	6.95E-02	6.68E-02	5.95E-01
3021	479103.24	3850293.52	0.11882	0.4014	0.01971	0.02768	0.04352	0.02624	0.4016	0.4014	5.70E-01	1.71E-02	4.73E-08	6.71E-04	9.39E-03	1.70E-03	6.56E-02	6.29E-02	6.02E-01
3022	479153.24	3850293.52	0.11681	0.38079	0.02242	0.02598	0.044	0.026	0.3809	0.38079	5.61E-01	1.62E-02	5.38E-08	6.29E-04	9.49E-03	1.68E-03	6.22E-02	5.97E-02	5.91E-01
3023	479203.24	3850293.52	0.11023	0.3602	0.02381	0.02417	0.04403	0.02578	0.3605	0.3602	5.29E-01	1.53E-02	5.71E-08	5.86E-04	9.50E-03	1.67E-03	5.88E-02	5.64E-02	5.58E-01
3024	479253.24	3850293.52	0.10426	0.34309	0.02349	0.02316	0.04387	0.02557	0.3435	0.34309	5.00E-01	1.46E-02	5.63E-08	5.61E-04	9.46E-03	1.65E-03	5.61E-02	5.37E-02	5.29E-01
3025	479303.24	3850293.52	0.0985	0.32965	0.02314	0.02306	0.04364	0.02538	0.3301	0.32965	4.73E-01	1.40E-02	5.55E-08	5.59E-04	9.41E-03	1.64E-03	5.39E-02	5.16E-02	5.01E-01
3026	479353.24	3850293.52	0.09365	0.3175	0.02276	0.02315	0.04323	0.02523	0.3179	0.3175	4.49E-01	1.35E-02	5.46E-08	5.61E-04	9.32E-03	1.63E-03	5.19E-02	4.97E-02	4.77E-01
3027	479153.24	3850343.52	0.13281	0.42657	0.02024	0.02831	0.04027	0.02632	0.4262	0.42657	6.37E-01	1.81E-02	4.85E-08	6.86E-04	8.69E-03	1.70E-03	6.96E-02	6.68E-02	6.69E-01
3028	479203.24	3850343.52	0.1247	0.40067	0.02328	0.02661	0.0407	0.02607	0.4018	0.40067	5.98E-01	1.70E-02	5.58E-08	6.45E-04	8.78E-03	1.69E-03	6.56E-02	6.28E-02	6.29E-01
3029	479253.24	3850343.52	0.11727	0.38098	0.02393	0.0248	0.04093	0.02584	0.381	0.38098	5.63E-01	1.62E-02	5.74E-08	6.01E-04	8.83E-03	1.67E-03	6.22E-02	5.97E-02	5.93E-01
3030	479303.24	3850343.52	0.11003	0.36409	0.0236	0.02348	0.04431	0.02563	0.3642	0.36409	5.28E-01	1.55E-02	5.66E-08	5.69E-04	9.56E-03	1.66E-03	5.94E-02	5.70E-02	5.58E-01
3031	479353.24	3850343.52	0.10293	0.34836	0.02324	0.0232	0.04421	0.02544	0.3485	0.34836	4.94E-01	1.48E-02	5.57E-08	5.62E-04	9.53E-03	1.65E-03	5.69E-02	5.46E-02	5.23E-01
3032	479203.24	3850393.52	0.15296	0.45853	0.02102	0.02895	0.04053	0.02639	0.4577	0.45853	7.34E-01	1.95E-02	5.04E-08	7.01E-04	8.74E-03	1.71E-03	7.47E-02	7.18E-02	7.68E-01
3033	479253.24	3850393.52	0.1397	0.43116	0.0241	0.02726	0.04103	0.02614	0.4307	0.43116	6.70E-01	1.83E-02	5.78E-08	6.60E-04	8.85E-03	1.69E-03	7.03E-02	6.75E-02	7.03E-01
3034	479303.24	3850393.52	0.12831	0.40539	0.02404	0.02544	0.04132	0.0259	0.4066	0.40539	6.16E-01	1.72E-02	5.77E-08	6.16E-04	8.91E-03	1.68E-03	6.64E-02	6.35E-02	6.47E-01
3035	479353.24	3850393.52	0.11898	0.388	0.02371	0.0238	0.04138	0.02568	0.3877	0.388	5.71E-01	1.65E-02	5.69E-08	5.77E-04	8.92E-03	1.66E-03	6.33E-02	6.08E-02	6.01E-01
3036	479403.24	3850393.52	0.11122	0.36915	0.02334	0.02333	0.04469	0.02549	0.3689	0.36915	5.34E-01	1.57E-02	5.60E-08	5.65E-04	9.64E-03	1.65E-03	6.02E-02	5.78E-02	5.64E-01
3037	479453.24	3850393.52	0.10408	0.35148	0.02307	0.02344	0.04447	0.02534	0.351	0.35148	4.99E-01	1.50E-02	5.53E-08	5.68E-04	9.59E-03	1.64E-03	5.73E-02	5.51E-02	5.28E-01
3038	479503.24	3850393.52	0.09949	0.33266	0.02348	0.02352	0.04399	0.02521	0.3326	0.33266	4.77E-01	1.42E-02	5.63E-08	5.70E-04	9.49E-03	1.63E-03	5.43E-02	5.21E-02	5.05E-01
3039	479303.24	3850443.52	0.16316	0.47019	0.02441	0.02794	0.04135	0.0262	0.469	0.47019	7.83E-01	2.00E-02	5.85E-08	6.77E-04	8.92E-03	1.70E-03	7.66E-02	7.37E-02	8.17E-01
3040	479353.24	3850443.52	0.14673	0.4426	0.02416	0.02611	0.0417	0.02596	0.4415	0.4426	7.04E-01	1.88E-02	5.79E-08	6.33E-04	8.99E-03	1.68E-03	7.21E-02	6.93E-02	7.37E-01
3041	479403.24	3850443.52	0.13836	0.41228	0.02381	0.02418	0.0454	0.02573	0.4131	0.41228	6.64E-01	1.75E-02	5.71E-08	5.86E-04	9.79E-03	1.66E-03	6.74E-02	6.46E-02	6.96E-01
3042	479453.24	3850443.52	0.12383	0.39235	0.02344	0.02349	0.04555	0.02554	0.392	0.39235	5.94E-01	1.67E-02	5.62E-08	5.69E-04	9.82E-03	1.65E-03	6.40E-02	6.15E-02	6.26E-01
3043	479503.24	3850443.52	0.11513	0.3704	0.0233	0.0236	0.04541	0.02539	0.3698	0.3704	5.52E-01	1.58E-02	5.59E-08	5.72E-04	9.79E-03	1.64E-03	6.04E-02	5.80E-02	5.83E-01
3044	480327.18	3850987.04	0.13835	0.50808	0.02782	0.02785	0.04617	0.03131	0.5067	0.50808	6.64E-01	2.16E-02	6.67E-08	6.75E-04	9.96E-03	2.03E-03	8.27E-02	7.96E-02	7.01E-01
3045	480377.18	3850987.04	0.13267	0.47253	0.02878	0.0272	0.04693	0.03376	0.4765	0.47253	6.37E-01	2.01E-02	6.90E-08	6.59E-04	1.01E-02	2.18E-03	7.78E-02	7.40E-02	6.74E-01
3046	480427.18	3850987.04	0.12732	0.44456	0.02767	0.02652	0.04768	0.04153	0.4485	0.44456	6.11E-01	1.89E-02	6.64E-08	6.42E-04	1.03E-02	2.69E-03	7.32E-02	6.96E-02	6.47E-01
3047	480477.18	3850987.04	0.12096	0.42641	0.02625	0.0274	0.04829	0.04473	0.4185	0.42641	5.80E-01	1.81E-02	6.30E-08	6.64E-04	1.04E-02	2.89E-03	6.83E-02	6.68E-02	6.14E-01
3048	480327.18	3851037.04	0.15458	0.65632	0.02745	0.02736	0.04562	0.03138	0.6595	0.65632	7.42E-01	2.79E-02	6.58E-08	6.63E-04	9.84E-03	2.03E-03	1.08E-01	1.03E-01	7.87E-01
3049	480377.18	3851037.04	0.14064	0.58188	0.02838	0.02814	0.04636	0.03158	0.5845	0.58188	6.75E-01	2.48E-02	6.81E-08	6.82E-04	1.00E-02	2.04E-03	9.54E-02	9.12E-02	7.17E-01
3050	480427.18	3851037.04	0.12944	0.51094	0.02935	0.02748	0.04713	0.03716	0.5155	0.51094	6.21E-01	2.17E-02	7.04E-08	6.66E-04	1.02E-02	2.40E-03	8.42E-02	8.00E-02	6.60E-01
3051	480477.18	3851037.04	0.12391	0.47424	0.02829	0.02679	0.04791	0.04609	0.4788	0.47424	5.95E-01	2.02E-02	6.78E-08	6.49E-04	1.03E-02	2.98E-03	7.81E-02	7.43E-02	6.33E-01
3052	480622.06	3851087.39	0.11979	0.46969	0.02621	0.02864	0.0494	0.04396	0.4735	0.46969	5.75E-01	2.00E-02	6.29E-08	6.94E-04	1.07E-02	2.84E-03	7.73E-02	7.36E-02	6.13E-01
3053	480672.06	3851087.39	0.11406	0.43587	0.026	0.02963	0.05012	0.04223	0.4398	0.43587	5.47E-01	1.85E-02	6.24E-08	7.18E-04	1.08E-02	2.73E-03	7.18E-02	6.83E-02	5.84E-01
3054	480622.06	3851137.39	0.12805	0.52637	0.02724	0.02917	0.04895	0.04614	0.5245	0.52637	6.15E-01	2.24E-02	6.53E-08	7.07E-04	1.06E-02	2.99E-03	8.56E-02	8.25E-02	6.54E-01
3055	480672.06	3851137.39	0.12172	0.51094	0.02633	0.02879	0.04964	0.04435	0.5157	0.51094	5.84E-01	2.17E-02	6.31E-08	6.97E-04	1.07E-02	2.87E-03	8.42E-02	8.00E-02	6.24E-01
3056	480722.06	3851137.39	0.11604	0.47197	0.02613	0.02978	0.0504	0.04259	0.4768	0.47197	5.57E-01	2.01E-02	6.27E-08	7.21E-04	1.09E-02	2.76E-03	7.78E-02	7.39E-02	5.95E-01
3057	480622.06	3851187.39	0.14556	0.67867	0.0308	0.02774	0.04836	0.04841	0.6875	0.67867	6.99E-01	2.89E-02	7.39E-08	6.72E-04	1.04E-02	3.13E-03	1.12E-01	1.06E-01	7.48E-01
3058	480672.06	3851187.39	0.13347	0.58663	0.02801	0.02979	0.04911	0.04655	0.5744	0.58663	6.41E-01	2.50E-02	6.72E-08	7.22E-04	1.06E-02	3.01E-03	9.38E-02	9.19E-02	6.82E-01
3059	480722.06	3851187.39	0.12507	0.56271	0.02646	0.02894	0.04979	0.04473	0.5686	0.56271	6.00E-01	2.39E-02	6.35E-08	7.01E-04	1.07E-02	2.89E-03	9.28E-02	8.81E-02	6.43E-01
3060	471363.09	3845877.25	0.02122	0.04766	0.00898	0.01115	0.01551	0.01281	0.0477	0.04766	1.02E-01	2.03E-03	2.15E-08	2.70E-04	3.35E-03	8.29E-04	7.78E-03	7.47E-03	1.09E-01
3061	471863.09	3845877.25	0.02313	0.03506	0.00983	0.01072	0.01542	0.01436	0.0354	0.03506	1.11E-01	1.49E-03	2.36E-08	2.60E-04	3.33E-03	9.29E-04	5.78E-03	5.49E-03	1.17E-01
3062	472363.09	3845877.25	0.02533	0.04518	0.01113	0.01106	0.01565	0.01516	0.0392	0.04518	1.22E-01	1.92E-03	2.67E-08	2.68E-04	3.38E-03	9.81E-04	6.40E-03	7.08E-03	1.27E-01
3063	472863.09	3845877.25	0.02372	0.03478	0.01252	0.01189	0.01755	0.01481	0.032	0.03478	1.14E-01	1.48E-03	3.00E-08	2.88E-04	3.79E-03	9.58E-04	5.22E-03	5.45E-03	1.20E-01
3064	473363.09	3845877.25	0.02144	0.03657	0.01385	0.01792	0.02265	0.01395	0.037	0.03657	1.03E-01	1.56E-03	3.32E-08	4.34E-04	4.89E-03	9.03E-04	6.04E-03	5.73E-03	1.11E-01
3065	473863.09	3845877.25	0.02311	0.03937	0.01495	0.01532	0.02606	0.01437	0.0399	0.03937	1.11E-01	1.68E-03	3.59E-08	3.71E-04	5.62E-03	9.30E-04	6.52E-03	6.17E-03	1.20E-01
3066	474363.09	3845877.25	0.02757	0.04118	0.01091	0.01543	0.02643	0.01371	0.0446	0.04118	1.32E-01	1.75E-03	2.62E-08	3.74E-04	5.70E-03	8.87E-04	7.27E-03	6.45E-03	1.42E-01
3067	474863.09	3845877.25	0.02879	0.04819	0.00958	0.01394	0.02548	0.01395	0.0486	0.04819	1.38E-01	2.05E-03	2.30E-08	3.38E-04	5.50E-03	9.03E-04	7.93E-03	7.55E-03	1.47E-01
3068	475363.09	3845877.25	0.02372	0.04984	0.01104	0.01462	0.02315	0.01371	0.0504	0.04984	1.14E-01	2.12E-03	2.65E-08	3.54E-04	4.99E-03	8.87E-04	8.22E-03	7.81E-03	1.23E-01
3069	475863.09	3845877.25	0.02483	0.05268	0.01266	0.01336	0.02487	0.01342	0.0472	0.05268	1.19E-01	2.24E-03	3.04E-08	3.24E-04	5.36E-03	8.68E-04	7.70E-03	8.25E-03	1.27E-01
3070	476363.09	3845877.25	0.02516	0.04629	0.01253	0.01398	0.01157	0.01577	0.0473	0.04629	1.21E-01	1.97E-03	3.01E-08	3.39E-04	2.50E-03	1.02E-03	7.72E-03	7.25E-03	1.27E-01
3071	476863.09	3845877.25	0.02398	0.04032	0.01378	0.01377	0.02329	0.01413	0.0416	0.04032	1.15E-01	1.72E-03	3.30E-08	3.34E-04	5.02E-03	9.14E-04	6.80E-03	6.32E-03	1.24E-01
3072	477363.09	3845877.25	0.02629	0.03746	0.01353	0.01506	0.0241	0.01304	0.038	0.03746	1.26E-01	1.59E-03	3.24E-08	3.65E-04	5.20E-03	8.44E-04	6.20E-03	5.87E-03	1.34E-01
3073	477863.09	3845877.25	0.02443	0.0342	0.0122	0.01517	0.02382	0.01358	0.0342	0.0342	1.17E-01	1.46E-03	2.93E-08	3.68E-04	5.14E-03	8.79E-04	5.58E-03	5.36E-03	1.25E-01
3074	478363.09	3845877.25	0.02041	0.03374	0.01121	0.0139	0.02555	0.0131	0.0334	0.03374	9.79E-02	1.44E-03	2.69E-08	3.37E-04	5.51E-03	8.48E-04	5.45E-03	5.29E-03	1.06E-01

3075	478863.09	3845877.25	0.02108	0.03255	0.01016	0.01498	0.02231	0.01183	0.0337	0.03255	1.01E-01	1.38E-03	2.44E-08	3.63E-04	4.81E-03	7.65E-04	5.50E-03	5.10E-03	1.09E-01
3076	479363.09	3845877.25	0.0306	0.03071	0.01046	0.01501	0.02162	0.01297	0.031	0.03071	1.47E-01	1.31E-03	2.51E-08	3.64E-04	4.66E-03	8.39E-04	5.06E-03	4.81E-03	1.54E-01
3077	479863.09	3845877.25	0.03547	0.02933	0.01289	0.01345	0.01841	0.01489	0.0297	0.02933	1.70E-01	1.25E-03	3.09E-08	3.26E-04	3.97E-03	9.63E-04	4.84E-03	4.59E-03	1.77E-01
3078	480363.09	3845877.25	0.03372	0.02473	0.01438	0.01297	0.01875	0.01369	0.0248	0.02473	1.62E-01	1.05E-03	3.45E-08	3.14E-04	4.04E-03	8.86E-04	4.05E-03	3.87E-03	1.68E-01
3079	480863.09	3845877.25	0.02898	0.02193	0.01264	0.01442	0.02083	0.01476	0.0221	0.02193	1.39E-01	9.33E-04	3.03E-08	3.49E-04	4.49E-03	9.55E-04	3.61E-03	3.44E-03	1.46E-01
3080	481363.09	3845877.25	0.03037	0.01931	0.01362	0.01425	0.02994	0.01348	0.0195	0.01931	1.46E-01	8.22E-04	3.27E-08	3.45E-04	6.46E-03	8.72E-04	3.19E-03	3.02E-03	1.54E-01
3081	481863.09	3845877.25	0.02328	0.01774	0.01394	0.0126	0.02974	0.01112	0.018	0.01774	1.12E-01	7.55E-04	3.34E-08	3.05E-04	6.41E-03	7.19E-04	2.94E-03	2.78E-03	1.20E-01
3082	482363.09	3845877.25	0.01702	0.01618	0.01092	0.01188	0.02137	0.01254	0.0173	0.01618	8.17E-02	6.88E-04	2.62E-08	2.88E-04	4.61E-03	8.11E-04	2.82E-03	2.53E-03	8.84E-02
3083	482863.09	3845877.25	0.01711	0.014	0.00996	0.00981	0.02289	0.01277	0.0148	0.014	8.21E-02	5.96E-04	2.39E-08	2.38E-04	4.94E-03	8.26E-04	2.42E-03	2.19E-03	8.89E-02
3084	483363.09	3845877.25	0.01653	0.01325	0.0103	0.00904	0.02325	0.01346	0.0142	0.01325	7.93E-02	5.64E-04	2.47E-08	2.19E-04	5.01E-03	8.71E-04	2.31E-03	2.08E-03	8.62E-02
3085	483863.09	3845877.25	0.02411	0.01323	0.01046	0.01294	0.03269	0.0135	0.0134	0.01323	1.16E-01	5.63E-04	2.51E-08	3.13E-04	7.05E-03	8.73E-04	2.19E-03	2.07E-03	1.25E-01
3086	484363.09	3845877.25	0.01996	0.01295	0.0141	0.01126	0.0325	0.01345	0.0131	0.01295	9.58E-02	5.51E-04	3.38E-08	2.73E-04	7.01E-03	8.70E-04	2.13E-03	2.03E-03	1.05E-01
3087	484863.09	3845877.25	0.01585	0.01269	0.01313	0.01288	0.03122	0.01156	0.0128	0.01269	7.61E-02	5.40E-04	3.15E-08	3.12E-04	6.73E-03	7.48E-04	2.08E-03	1.99E-03	8.45E-02
3088	485363.09	3845877.25	0.01527	0.01245	0.01165	0.01183	0.02343	0.00886	0.0125	0.01245	7.33E-02	5.30E-04	2.79E-08	2.87E-04	5.05E-03	5.73E-04	2.05E-03	1.95E-03	7.98E-02
3089	485863.09	3845877.25	0.01512	0.01236	0.01036	0.01197	0.01443	0.00931	0.0124	0.01236	7.26E-02	5.26E-04	2.48E-08	2.90E-04	3.11E-03	6.02E-04	2.03E-03	1.94E-03	7.72E-02
3090	486363.09	3845877.25	0.01819	0.01224	0.01195	0.01125	0.02063	0.00935	0.0123	0.01224	8.73E-02	5.21E-04	2.87E-08	2.73E-04	4.45E-03	6.05E-04	2.01E-03	1.92E-03	9.32E-02
3091	486863.09	3845877.25	0.01505	0.01205	0.00838	0.00871	0.01849	0.00912	0.0122	0.01205	7.22E-02	5.13E-04	2.01E-08	2.11E-04	3.99E-03	5.90E-04	1.98E-03	1.89E-03	7.76E-02
3092	487363.09	3845877.25	0.01678	0.0119	0.01081	0.00975	0.01875	0.00912	0.012	0.0119	8.05E-02	5.06E-04	2.59E-08	2.36E-04	4.04E-03	5.90E-04	1.96E-03	1.86E-03	8.60E-02
3093	487863.09	3845877.25	0.01479	0.01176	0.01033	0.01004	0.01726	0.00859	0.0119	0.01176	7.10E-02	5.00E-04	2.48E-08	2.43E-04	3.72E-03	5.56E-04	1.93E-03	1.84E-03	7.61E-02
3094	488363.09	3845877.25	0.0138	0.01137	0.00742	0.0089	0.01661	0.00806	0.0115	0.01137	6.62E-02	4.84E-04	1.78E-08	2.16E-04	3.58E-03	5.22E-04	1.88E-03	1.78E-03	7.11E-02
3095	488863.09	3845877.25	0.01669	0.01143	0.00899	0.00861	0.02547	0.00961	0.0116	0.01143	8.01E-02	4.86E-04	2.16E-08	2.09E-04	5.49E-03	6.22E-04	1.89E-03	1.79E-03	8.70E-02
3096	489363.09	3845877.25	0.01555	0.01131	0.00947	0.00859	0.02168	0.00902	0.0114	0.01131	7.46E-02	4.81E-04	2.27E-08	2.08E-04	4.68E-03	5.84E-04	1.87E-03	1.77E-03	8.07E-02
3097	489863.09	3845877.25	0.0136	0.01111	0.01115	0.00903	0.01409	0.00851	0.0112	0.01111	6.53E-02	4.73E-04	2.67E-08	2.19E-04	3.04E-03	5.51E-04	1.83E-03	1.74E-03	6.96E-02
3098	490363.09	3845877.25	0.01235	0.0108	0.0104	0.00895	0.02139	0.00829	0.011	0.0108	5.93E-02	4.60E-04	2.49E-08	2.17E-04	4.61E-03	5.36E-04	1.80E-03	1.69E-03	6.52E-02
3099	490863.09	3845877.25	0.01084	0.01026	0.0097	0.0078	0.01197	0.00824	0.0104	0.01026	5.20E-02	4.37E-04	2.33E-08	1.89E-04	2.58E-03	5.33E-04	1.69E-03	1.61E-03	5.58E-02
3100	491363.09	3845877.25	0.01135	0.01047	0.00854	0.0089	0.01876	0.00841	0.0106	0.01047	5.45E-02	4.45E-04	2.05E-08	2.16E-04	4.05E-03	5.44E-04	1.73E-03	1.64E-03	5.98E-02
3101	491863.09	3845877.25	0.0119	0.01063	0.00979	0.00965	0.02289	0.00772	0.0107	0.01063	5.71E-02	4.52E-04	2.35E-08	2.34E-04	4.94E-03	5.00E-04	1.75E-03	1.67E-03	6.33E-02
3102	492363.09	3845877.25	0.01197	0.01051	0.00979	0.00838	0.01635	0.00751	0.0106	0.01051	5.74E-02	4.47E-04	2.35E-08	2.03E-04	3.53E-03	4.86E-04	1.72E-03	1.65E-03	6.22E-02
3103	492863.09	3845877.25	0.0128	0.0102	0.00967	0.00784	0.01812	0.0076	0.0103	0.0102	6.14E-02	4.34E-04	2.32E-08	1.90E-04	3.91E-03	4.92E-04	1.68E-03	1.60E-03	6.65E-02
3104	493363.09	3845877.25	0.01353	0.00994	0.00898	0.00745	0.01759	0.00869	0.0101	0.00994	6.49E-02	4.23E-04	2.15E-08	1.80E-04	3.79E-03	5.62E-04	1.65E-03	1.56E-03	7.00E-02
3105	493863.09	3845877.25	0.01395	0.00981	0.00865	0.00761	0.01836	0.00832	0.01	0.00981	6.69E-02	4.17E-04	2.07E-08	1.84E-04	3.96E-03	5.38E-04	1.63E-03	1.54E-03	7.21E-02
3106	494363.09	3845877.25	0.015	0.00974	0.00846	0.0094	0.01759	0.00763	0.0099	0.00974	7.20E-02	4.14E-04	2.03E-08	2.28E-04	3.79E-03	4.94E-04	1.62E-03	1.53E-03	7.70E-02
3107	494863.09	3845877.25	0.01496	0.0097	0.00817	0.00814	0.01488	0.00776	0.0098	0.0097	7.18E-02	4.13E-04	1.96E-08	1.97E-04	3.21E-03	5.02E-04	1.60E-03	1.52E-03	7.62E-02
3108	495363.09	3845877.25	0.01418	0.00966	0.00798	0.00977	0.01656	0.00781	0.0098	0.00966	6.80E-02	4.11E-04	1.91E-08	2.37E-04	3.57E-03	5.05E-04	1.59E-03	1.51E-03	7.29E-02
3109	495863.09	3845877.25	0.01441	0.00963	0.00786	0.00893	0.01708	0.00817	0.0097	0.00963	6.92E-02	4.10E-04	1.89E-08	2.16E-04	3.68E-03	5.29E-04	1.58E-03	1.51E-03	7.41E-02
3110	496363.09	3845877.25	0.0138	0.00982	0.00782	0.00771	0.0251	0.00918	0.0098	0.00982	6.62E-02	4.18E-04	1.88E-08	1.87E-04	5.41E-03	5.94E-04	1.60E-03	1.54E-03	7.29E-02
3111	496863.09	3845877.25	0.01409	0.00987	0.00784	0.00851	0.03766	0.00818	0.01	0.00987	6.76E-02	4.20E-04	1.88E-08	2.06E-04	8.12E-03	5.29E-04	1.62E-03	1.55E-03	7.70E-02
3112	497363.09	3845877.25	0.01347	0.00991	0.00892	0.0075	0.0385	0.00879	0.01	0.00991	6.46E-02	4.22E-04	2.14E-08	1.82E-04	8.30E-03	5.69E-04	1.63E-03	1.55E-03	7.42E-02
3113	497863.09	3845877.25	0.01386	0.01002	0.00949	0.00792	0.02779	0.00983	0.0101	0.01002	6.65E-02	4.26E-04	2.28E-08	1.92E-04	5.99E-03	6.36E-04	1.65E-03	1.57E-03	7.38E-02
3114	498363.09	3845877.25	0.01415	0.01	0.00866	0.00849	0.03107	0.00964	0.0101	0.01	6.79E-02	4.25E-04	2.08E-08	2.06E-04	6.70E-03	6.24E-04	1.65E-03	1.57E-03	7.59E-02
3115	471363.09	3846377.25	0.02897	0.7102	0.00966	0.01083	0.01622	0.01608	0.7162	0.7102	1.39E-01	3.02E-02	2.32E-08	2.62E-04	3.50E-03	1.04E-03	1.17E-01	1.11E-01	1.80E-01
3116	471863.09	3846377.25	0.02474	0.26373	0.00962	0.01194	0.01535	0.01712	0.2657	0.26373	1.19E-01	1.12E-02	2.31E-08	2.89E-04	3.31E-03	1.11E-03	4.34E-02	4.13E-02	1.37E-01
3117	472363.09	3846377.25	0.02364	0.06199	0.01011	0.01168	0.01641	0.01473	0.0618	0.06199	1.13E-01	2.64E-03	2.42E-08	2.83E-04	3.54E-03	9.53E-04	1.01E-02	9.71E-03	1.21E-01
3118	472863.09	3846377.25	0.02619	0.05355	0.01114	0.01142	0.01505	0.01552	0.0546	0.05355	1.26E-01	2.28E-03	2.67E-08	2.77E-04	3.25E-03	1.00E-03	8.91E-03	8.39E-03	1.33E-01
3119	473363.09	3846377.25	0.02496	0.05305	0.01335	0.01159	0.0176	0.01601	0.0528	0.05305	1.20E-01	2.26E-03	3.20E-08	2.81E-04	3.80E-03	1.04E-03	8.62E-03	8.31E-03	1.27E-01
3120	473863.09	3846377.25	0.02433	0.06055	0.0145	0.01689	0.02161	0.01428	0.0612	0.06055	1.17E-01	2.58E-03	3.48E-08	4.09E-04	4.66E-03	9.24E-04	9.98E-03	9.49E-03	1.26E-01
3121	474363.09	3846377.25	0.02375	0.05818	0.01538	0.01591	0.02777	0.01529	0.0593	0.05818	1.14E-01	2.48E-03	3.69E-08	3.85E-04	5.99E-03	9.89E-04	9.68E-03	9.11E-03	1.24E-01
3122	474863.09	3846377.25	0.03458	0.06302	0.01345	0.01594	0.02732	0.0142	0.0648	0.06302	1.66E-01	2.68E-03	3.23E-08	3.86E-04	5.89E-03	9.19E-04	1.06E-02	9.87E-03	1.77E-01
3123	475363.09	3846377.25	0.03155	0.06141	0.01006	0.01479	0.0292	0.01444	0.0619	0.06141	1.51E-01	2.61E-03	2.41E-08	3.58E-04	6.30E-03	9.34E-04	1.01E-02	9.62E-03	1.62E-01
3124	475863.09	3846377.25	0.02461	0.06182	0.01287	0.01529	0.02372	0.01416	0.0601	0.06182	1.18E-01	2.63E-03	3.09E-08	3.70E-04	5.12E-03	9.16E-04	9.81E-03	9.68E-03	1.27E-01
3125	476363.09	3846377.25	0.02513	0.05526	0.01311	0.01473	0.02564	0.01401	0.0554	0.05526	1.21E-01	2.35E-03	3.14E-08	3.57E-04	5.53E-03	9.06E-04	9.04E-03	8.66E-03	1.30E-01
3126	476863.09	3846377.25	0.0266	0.05069	0.01278	0.01434	0.01349	0.01618	0.0521	0.05069	1.28E-01	2.16E-03	3.07E-08	3.47E-04	2.91E-03	1.05E-03	8.50E-03	7.94E-03	1.35E-01
3127	477363.09	3846377.25	0.02835	0.04702	0.01456	0.01413	0.02402	0.01442	0.0486	0.04702	1.36E-01	2.00E-03	3.49E-08	3.42E-04	5.18E-03	9.33E-04	7.93E-03	7.37E-03	1.45E-01
3128	477863.09	3846377.25	0.02719	0.04273	0.01386	0.01578	0.02585	0.01362	0.0432	0.04273	1.30E-01	1.82E-03	3.32E-08	3.82E-04	5.58E-03	8.81E-04	7.04E-03	6.69E-03	1.39E-01
3129	478363.09	3846377.25	0.03154	0.03912	0.01259	0.01527	0.02496	0.01418	0.0395	0.03912	1.51E-01	1.66E-03	3.02E-08	3.70E-04	5.38E-03	9.17E-04	6.45E-03	6.13E-03	1.60E-01
3130	478863.09	3846377.25	0.01993	0.04001	0.01106	0.01454	0.02571	0.01335	0.0391	0.04001	9.56E-02	1.70E-03	2.65E-08	3.52E-04	5.54E-03	8.64E-04	6.37E-03	6.27E-03	1.04E-01
3131	479363.09	3846377.25	0.03136	0.03667	0.01205	0.0157	0.02354	0.01256	0.0384	0.03667	1.50E-01	1.56E-03	2.89E-08	3.80E-04	5.08E-03	8.13E-04	6.27E-03	5.74E-03	1.59E-01

3132	479863.09	3846377.25	0.0373	0.03183	0.01121	0.01541	0.02185	0.01529	0.0331	0.03183	1.79E-01	1.35E-03	2.69E-08	3.73E-04	4.71E-03	9.89E-04	5.40E-03	4.99E-03	1.87E-01
3133	480363.09	3846377.25	0.03711	0.03209	0.01525	0.01327	0.01886	0.01831	0.0325	0.03209	1.78E-01	1.37E-03	3.66E-08	3.21E-04	4.07E-03	1.18E-03	5.31E-03	5.03E-03	1.85E-01
3134	480863.09	3846377.25	0.03534	0.02551	0.01387	0.0162	0.02122	0.01385	0.0257	0.02551	1.70E-01	1.09E-03	3.33E-08	3.92E-04	4.58E-03	8.96E-04	4.20E-03	4.00E-03	1.77E-01
3135	481363.09	3846377.25	0.03476	0.02392	0.01526	0.01465	0.02767	0.01463	0.0244	0.02392	1.67E-01	1.02E-03	3.66E-08	3.55E-04	5.97E-03	9.47E-04	3.98E-03	3.75E-03	1.75E-01
3136	481863.09	3846377.25	0.0271	0.02044	0.01382	0.01393	0.03199	0.01344	0.0215	0.02044	1.30E-01	8.70E-04	3.31E-08	3.37E-04	6.90E-03	8.70E-04	3.52E-03	3.20E-03	1.39E-01
3137	482363.09	3846377.25	0.0199	0.01807	0.01333	0.01281	0.02678	0.01226	0.0186	0.01807	9.55E-02	7.69E-04	3.20E-08	3.10E-04	5.78E-03	7.93E-04	3.03E-03	2.83E-03	1.03E-01
3138	482863.09	3846377.25	0.01761	0.01587	0.01016	0.01139	0.02377	0.0131	0.0158	0.01587	8.45E-02	6.75E-04	2.44E-08	2.76E-04	5.13E-03	8.48E-04	2.58E-03	2.49E-03	9.15E-02
3139	483363.09	3846377.25	0.01903	0.01506	0.01093	0.01183	0.02301	0.0153	0.0157	0.01506	9.13E-02	6.41E-04	2.62E-08	2.87E-04	4.96E-03	9.90E-04	2.56E-03	2.36E-03	9.84E-02
3140	483863.09	3846377.25	0.02487	0.01471	0.01096	0.01381	0.03198	0.0144	0.015	0.01471	1.19E-01	6.26E-04	2.63E-08	3.35E-04	6.90E-03	9.32E-04	2.45E-03	2.30E-03	1.28E-01
3141	484363.09	3846377.25	0.02356	0.01371	0.01488	0.0121	0.02578	0.01381	0.0138	0.01371	1.13E-01	5.83E-04	3.57E-08	2.93E-04	5.56E-03	8.94E-04	2.26E-03	2.15E-03	1.21E-01
3142	484863.09	3846377.25	0.01732	0.01463	0.01404	0.01184	0.04455	0.01257	0.0151	0.01463	8.31E-02	6.22E-04	3.37E-08	2.87E-04	9.61E-03	8.13E-04	2.47E-03	2.29E-03	9.46E-02
3143	485363.09	3846377.25	0.02054	0.0147	0.01435	0.01243	0.03251	0.01032	0.0148	0.0147	9.86E-02	6.25E-04	3.44E-08	3.01E-04	7.01E-03	6.68E-04	2.42E-03	2.30E-03	1.07E-01
3144	485863.09	3846377.25	0.01641	0.01345	0.01216	0.01211	0.01513	0.00969	0.0136	0.01345	7.88E-02	5.72E-04	2.92E-08	2.93E-04	3.26E-03	6.27E-04	2.21E-03	2.11E-03	8.36E-02
3145	486363.09	3846377.25	0.01706	0.01239	0.01288	0.01221	0.02048	0.00941	0.0125	0.01239	8.19E-02	5.27E-04	3.09E-08	2.96E-04	4.42E-03	6.09E-04	2.04E-03	1.94E-03	8.78E-02
3146	486863.09	3846377.25	0.01584	0.01217	0.01066	0.00897	0.01892	0.00925	0.0123	0.01217	7.60E-02	5.18E-04	2.56E-08	2.17E-04	4.08E-03	5.98E-04	2.00E-03	1.91E-03	8.15E-02
3147	487363.09	3846377.25	0.01747	0.01201	0.012	0.01005	0.01938	0.00936	0.0121	0.01201	8.38E-02	5.11E-04	2.88E-08	2.43E-04	4.18E-03	6.06E-04	1.98E-03	1.88E-03	8.95E-02
3148	487863.09	3846377.25	0.01872	0.01259	0.01292	0.01238	0.02417	0.00962	0.0128	0.01259	8.98E-02	5.36E-04	3.10E-08	3.00E-04	5.21E-03	6.22E-04	2.09E-03	1.97E-03	9.66E-02
3149	488363.09	3846377.25	0.01787	0.01194	0.00896	0.0099	0.01706	0.00951	0.0121	0.01194	8.58E-02	5.08E-04	2.15E-08	2.40E-04	3.68E-03	6.15E-04	1.98E-03	1.87E-03	9.09E-02
3150	488863.09	3846377.25	0.01709	0.01174	0.00971	0.00878	0.02971	0.01019	0.0118	0.01174	8.20E-02	5.00E-04	2.33E-08	2.13E-04	6.41E-03	6.59E-04	1.93E-03	1.84E-03	8.99E-02
3151	489363.09	3846377.25	0.0163	0.01173	0.01008	0.00887	0.02047	0.00896	0.0117	0.01173	7.82E-02	4.99E-04	2.42E-08	2.15E-04	4.41E-03	5.80E-04	1.92E-03	1.84E-03	8.40E-02
3152	489863.09	3846377.25	0.01575	0.01159	0.0115	0.00941	0.01592	0.00869	0.0117	0.01159	7.56E-02	4.93E-04	2.76E-08	2.28E-04	3.43E-03	5.62E-04	1.90E-03	1.82E-03	8.04E-02
3153	490363.09	3846377.25	0.01272	0.01133	0.00977	0.00919	0.01213	0.00864	0.0115	0.01133	6.10E-02	4.82E-04	2.34E-08	2.23E-04	2.62E-03	5.59E-04	1.88E-03	1.77E-03	6.50E-02
3154	490863.09	3846377.25	0.01265	0.011	0.00867	0.00792	0.01365	0.00857	0.0111	0.011	6.07E-02	4.68E-04	2.08E-08	1.92E-04	2.94E-03	5.54E-04	1.82E-03	1.72E-03	6.50E-02
3155	491363.09	3846377.25	0.0121	0.01086	0.00984	0.00937	0.02052	0.00848	0.0109	0.01086	5.81E-02	4.62E-04	2.36E-08	2.27E-04	4.43E-03	5.49E-04	1.78E-03	1.70E-03	6.38E-02
3156	491863.09	3846377.25	0.01318	0.01048	0.0097	0.01015	0.02439	0.00805	0.0105	0.01048	6.32E-02	4.46E-04	2.33E-08	2.46E-04	5.26E-03	5.21E-04	1.72E-03	1.64E-03	6.98E-02
3157	492363.09	3846377.25	0.01266	0.01017	0.00987	0.00871	0.01826	0.00771	0.0103	0.01017	6.08E-02	4.33E-04	2.37E-08	2.11E-04	3.94E-03	4.99E-04	1.68E-03	1.59E-03	6.59E-02
3158	492863.09	3846377.25	0.01348	0.01	0.00935	0.00766	0.01932	0.00867	0.0102	0.01	6.47E-02	4.25E-04	2.24E-08	1.86E-04	4.17E-03	5.61E-04	1.66E-03	1.57E-03	7.01E-02
3159	493363.09	3846377.25	0.01431	0.00991	0.00834	0.00782	0.0172	0.00905	0.0101	0.00991	6.87E-02	4.22E-04	2.00E-08	1.89E-04	3.71E-03	5.86E-04	1.65E-03	1.55E-03	7.37E-02
3160	493863.09	3846377.25	0.01501	0.00985	0.00834	0.00859	0.01864	0.00789	0.01	0.00985	7.20E-02	4.19E-04	2.00E-08	2.08E-04	4.02E-03	5.11E-04	1.63E-03	1.54E-03	7.73E-02
3161	494363.09	3846377.25	0.01526	0.0098	0.00831	0.00882	0.01629	0.00794	0.0099	0.0098	7.32E-02	4.17E-04	1.99E-08	2.14E-04	3.51E-03	5.14E-04	1.61E-03	1.54E-03	7.80E-02
3162	494863.09	3846377.25	0.01449	0.00974	0.00915	0.00811	0.01471	0.00891	0.0098	0.00974	6.95E-02	4.14E-04	2.19E-08	1.96E-04	3.17E-03	5.76E-04	1.60E-03	1.53E-03	7.40E-02
3163	495363.09	3846377.25	0.01452	0.00968	0.00791	0.00832	0.01957	0.00811	0.0098	0.00968	6.97E-02	4.12E-04	1.90E-08	2.02E-04	4.22E-03	5.25E-04	1.59E-03	1.52E-03	7.51E-02
3164	495863.09	3846377.25	0.01434	0.00983	0.00783	0.00859	0.02238	0.00921	0.0099	0.00983	6.88E-02	4.18E-04	1.88E-08	2.08E-04	4.83E-03	5.96E-04	1.62E-03	1.54E-03	7.49E-02
3165	496363.09	3846377.25	0.01407	0.01013	0.00844	0.00823	0.03791	0.00866	0.0102	0.01013	6.75E-02	4.31E-04	2.02E-08	1.99E-04	8.18E-03	5.60E-04	1.67E-03	1.59E-03	7.70E-02
3166	496863.09	3846377.25	0.01368	0.01035	0.00999	0.00831	0.03832	0.0103	0.0104	0.01035	6.56E-02	4.40E-04	2.40E-08	2.01E-04	8.26E-03	6.66E-04	1.70E-03	1.62E-03	7.53E-02
3167	497363.09	3846377.25	0.01445	0.01053	0.00948	0.00843	0.03118	0.01016	0.0106	0.01053	6.93E-02	4.48E-04	2.27E-08	2.04E-04	6.72E-03	6.57E-04	1.74E-03	1.65E-03	7.75E-02
3168	497863.09	3846377.25	0.0149	0.01061	0.00964	0.01036	0.03167	0.01038	0.0107	0.01061	7.15E-02	4.51E-04	2.31E-08	2.51E-04	6.83E-03	6.72E-04	1.75E-03	1.66E-03	7.98E-02
3169	498363.09	3846377.25	0.01492	0.01054	0.00927	0.01166	0.03558	0.01025	0.0106	0.01054	7.16E-02	4.48E-04	2.22E-08	2.82E-04	7.67E-03	6.63E-04	1.73E-03	1.65E-03	8.07E-02
3170	471363.09	3846877.25	0.0248	0.16938	0.00923	0.02085	0.02525	0.01485	0.1702	0.16938	1.19E-01	7.21E-03	2.21E-08	5.05E-04	5.45E-03	9.61E-04	2.78E-02	2.65E-02	1.34E-01
3171	471863.09	3846877.25	0.0291	0.29737	0.01052	0.01451	0.02007	0.01608	0.3003	0.29737	1.40E-01	1.27E-02	2.52E-08	3.52E-04	4.33E-03	1.04E-03	4.90E-02	4.66E-02	1.60E-01
3172	472363.09	3846877.25	0.0326	1.54286	0.01004	0.01171	0.01618	0.01747	1.546	1.54286	1.56E-01	6.56E-02	2.41E-08	2.84E-04	3.49E-03	1.13E-03	2.52E-01	2.42E-01	2.38E-01
3173	472863.09	3846877.25	0.02424	0.10576	0.01034	0.01135	0.01685	0.01497	0.1044	0.10576	1.16E-01	4.50E-03	2.48E-08	2.75E-04	3.63E-03	9.69E-04	1.70E-02	1.66E-02	1.26E-01
3174	473363.09	3846877.25	0.0271	0.07691	0.01152	0.01184	0.01629	0.0163	0.0746	0.07691	1.30E-01	3.27E-03	2.76E-08	2.87E-04	3.51E-03	1.05E-03	1.22E-02	1.20E-02	1.38E-01
3175	473863.09	3846877.25	0.02705	0.08728	0.0141	0.01267	0.01814	0.01688	0.088	0.08728	1.30E-01	3.71E-03	3.38E-08	3.07E-04	3.91E-03	1.09E-03	1.44E-02	1.37E-02	1.40E-01
3176	474363.09	3846877.25	0.02709	0.08096	0.01545	0.01582	0.02087	0.01524	0.0824	0.08096	1.30E-01	3.44E-03	3.71E-08	3.83E-04	4.50E-03	9.86E-04	1.35E-02	1.27E-02	1.40E-01
3177	474863.09	3846877.25	0.02669	0.07935	0.01579	0.01802	0.02898	0.01618	0.0819	0.07935	1.28E-01	3.38E-03	3.79E-08	4.37E-04	6.25E-03	1.05E-03	1.34E-02	1.24E-02	1.40E-01
3178	475363.09	3846877.25	0.03613	0.07511	0.014	0.01649	0.02865	0.01476	0.0759	0.07511	1.73E-01	3.20E-03	3.36E-08	4.00E-04	6.18E-03	9.55E-04	1.24E-02	1.18E-02	1.85E-01
3179	475863.09	3846877.25	0.03244	0.08008	0.01088	0.01514	0.03153	0.01527	0.0807	0.08008	1.56E-01	3.41E-03	2.61E-08	3.67E-04	6.80E-03	9.88E-04	1.32E-02	1.25E-02	1.68E-01
3180	476363.09	3846877.25	0.02547	0.07732	0.01439	0.01591	0.02432	0.01466	0.0781	0.07732	1.22E-01	3.29E-03	3.45E-08	3.85E-04	5.25E-03	9.49E-04	1.28E-02	1.21E-02	1.33E-01
3181	476863.09	3846877.25	0.02578	0.0695	0.01404	0.01622	0.02646	0.01553	0.0684	0.0695	1.24E-01	2.96E-03	3.37E-08	3.93E-04	5.71E-03	1.00E-03	1.12E-02	1.09E-02	1.34E-01
3182	477363.09	3846877.25	0.02681	0.06136	0.01374	0.01471	0.01653	0.01661	0.0632	0.06136	1.29E-01	2.61E-03	3.30E-08	3.56E-04	3.57E-03	1.07E-03	1.03E-02	9.61E-03	1.37E-01
3183	477863.09	3846877.25	0.02906	0.05348	0.0154	0.01452	0.0248	0.01471	0.0554	0.05348	1.39E-01	2.28E-03	3.69E-08	3.52E-04	5.35E-03	9.52E-04	9.04E-03	8.38E-03	1.49E-01
3184	478363.09	3846877.25	0.02933	0.05098	0.01419	0.01605	0.02775	0.01579	0.0519	0.05098	1.41E-01	2.17E-03	3.40E-08	3.89E-04	5.98E-03	1.02E-03	8.47E-03	7.99E-03	1.51E-01
3185	478863.09	3846877.25	0.0292	0.04571	0.01269	0.01531	0.02615	0.01588	0.0479	0.04571	1.40E-01	1.94E-03	3.04E-08	3.71E-04	5.64E-03	1.03E-03	7.81E-03	7.16E-03	1.50E-01
3186	479363.09	3846877.25	0.02382	0.04127	0.01121	0.01667	0.02601	0.01294	0.0418	0.04127	1.14E-01	1.76E-03	2.69E-08	4.04E-04	5.61E-03	8.37E-04	6.81E-03	6.46E-03	1.23E-01
3187	479863.09	3846877.25	0.03888	0.03152	0.01164	0.01585	0.02515	0.01343	0.0322	0.03152	1.87E-01	1.34E-03	2.79E-08	3.84E-04	5.42E-03	8.69E-04	5.25E-03	4.94E-03	1.95E-01
3188	480363.09	3846877.25	0.03505	0.0286	0.01483	0.01353	0.02192	0.0142	0.0272	0.0286	1.68E-01	1.22E-03	3.56E-08	3.28E-04	4.73E-03	9.19E-04	4.43E-03	4.48E-03	1.75E-01

3189	480863.09	3846877.25	0.03451	0.0237	0.01469	0.01402	0.01833	0.01419	0.0234	0.0237	1.66E-01	1.01E-03	3.52E-08	3.40E-04	3.95E-03	9.18E-04	3.82E-03	3.71E-03	1.72E-01
3190	481363.09	3846877.25	0.03304	0.0235	0.01683	0.0148	0.02184	0.01473	0.0233	0.0235	1.59E-01	1.00E-03	4.04E-08	3.59E-04	4.71E-03	9.53E-04	3.81E-03	3.68E-03	1.66E-01
3191	481863.09	3846877.25	0.02827	0.02151	0.01405	0.01469	0.03146	0.01407	0.0232	0.02151	1.36E-01	9.15E-04	3.37E-08	3.56E-04	6.79E-03	9.10E-04	3.79E-03	3.37E-03	1.45E-01
3192	482363.09	3846877.25	0.02369	0.02004	0.01412	0.01334	0.03118	0.0119	0.0195	0.02004	1.14E-01	8.53E-04	3.39E-08	3.23E-04	6.72E-03	7.70E-04	3.19E-03	3.14E-03	1.22E-01
3193	482863.09	3846877.25	0.02074	0.02019	0.01106	0.01268	0.0259	0.01345	0.0193	0.02019	9.95E-02	8.59E-04	2.65E-08	3.07E-04	5.59E-03	8.70E-04	3.14E-03	3.16E-03	1.07E-01
3194	483363.09	3846877.25	0.0202	0.018	0.01137	0.01276	0.02447	0.01565	0.0175	0.018	9.69E-02	7.66E-04	2.73E-08	3.09E-04	5.28E-03	1.01E-03	2.85E-03	2.82E-03	1.04E-01
3195	483863.09	3846877.25	0.02567	0.01692	0.01277	0.01461	0.02981	0.01575	0.0172	0.01692	1.23E-01	7.20E-04	3.06E-08	3.54E-04	6.43E-03	1.02E-03	2.80E-03	2.65E-03	1.32E-01
3196	484363.09	3846877.25	0.02431	0.01726	0.0144	0.01333	0.03581	0.01417	0.017	0.01726	1.17E-01	7.34E-04	3.45E-08	3.23E-04	7.72E-03	9.17E-04	2.77E-03	2.70E-03	1.26E-01
3197	484863.09	3846877.25	0.01979	0.01706	0.01385	0.01161	0.04367	0.01353	0.0168	0.01706	9.50E-02	7.26E-04	3.32E-08	2.81E-04	9.42E-03	8.75E-04	2.74E-03	2.67E-03	1.06E-01
3198	485363.09	3846877.25	0.02184	0.01669	0.01843	0.01392	0.03582	0.01122	0.0168	0.01669	1.05E-01	7.10E-04	4.42E-08	3.37E-04	7.73E-03	7.26E-04	2.74E-03	2.61E-03	1.14E-01
3199	485863.09	3846877.25	0.01799	0.01592	0.01319	0.01228	0.01971	0.01036	0.0163	0.01592	8.63E-02	6.77E-04	3.16E-08	2.98E-04	4.25E-03	6.70E-04	2.65E-03	2.49E-03	9.24E-02
3200	486363.09	3846877.25	0.02191	0.01566	0.01291	0.01308	0.02045	0.01007	0.016	0.01566	1.05E-01	6.66E-04	3.10E-08	3.17E-04	4.41E-03	6.52E-04	2.60E-03	2.45E-03	1.11E-01
3201	486863.09	3846877.25	0.01998	0.0145	0.0128	0.01151	0.02001	0.00948	0.0146	0.0145	9.59E-02	6.17E-04	3.07E-08	2.79E-04	4.32E-03	6.13E-04	2.38E-03	2.27E-03	1.02E-01
3202	487363.09	3846877.25	0.0198	0.01429	0.01256	0.01254	0.02008	0.01011	0.0144	0.01429	9.50E-02	6.08E-04	3.01E-08	3.04E-04	4.33E-03	6.54E-04	2.35E-03	2.24E-03	1.01E-01
3203	487863.09	3846877.25	0.01838	0.0138	0.01364	0.01308	0.02502	0.00996	0.014	0.0138	8.82E-02	5.87E-04	3.27E-08	3.17E-04	5.40E-03	6.44E-04	2.29E-03	2.16E-03	9.53E-02
3204	488363.09	3846877.25	0.01772	0.01289	0.00829	0.01089	0.01746	0.00983	0.013	0.01289	8.50E-02	5.48E-04	1.99E-08	2.64E-04	3.77E-03	6.36E-04	2.12E-03	2.02E-03	9.04E-02
3205	488863.09	3846877.25	0.01969	0.01302	0.01107	0.00895	0.03436	0.0106	0.0131	0.01302	9.45E-02	5.54E-04	2.65E-08	2.17E-04	7.41E-03	6.86E-04	2.14E-03	2.04E-03	1.03E-01
3206	489363.09	3846877.25	0.01715	0.01263	0.01272	0.00918	0.01931	0.01049	0.0127	0.01263	8.23E-02	5.37E-04	3.05E-08	2.22E-04	4.16E-03	6.79E-04	2.07E-03	1.98E-03	8.80E-02
3207	489863.09	3846877.25	0.01595	0.01202	0.01187	0.00974	0.02266	0.00906	0.0121	0.01202	7.65E-02	5.11E-04	2.85E-08	2.36E-04	4.89E-03	5.86E-04	1.97E-03	1.88E-03	8.29E-02
3208	490363.09	3846877.25	0.01388	0.01136	0.01201	0.00954	0.01766	0.00891	0.0115	0.01136	6.66E-02	4.83E-04	2.88E-08	2.31E-04	3.81E-03	5.76E-04	1.87E-03	1.78E-03	7.18E-02
3209	490863.09	3846877.25	0.01429	0.01117	0.00987	0.00909	0.01629	0.0086	0.0113	0.01117	6.86E-02	4.75E-04	2.37E-08	2.20E-04	3.51E-03	5.56E-04	1.84E-03	1.75E-03	7.34E-02
3210	491363.09	3846877.25	0.01365	0.01089	0.00984	0.01148	0.02682	0.0084	0.011	0.01089	6.55E-02	4.63E-04	2.36E-08	2.78E-04	5.78E-03	5.44E-04	1.79E-03	1.71E-03	7.27E-02
3211	491863.09	3846877.25	0.01294	0.01033	0.00994	0.00956	0.01904	0.00812	0.0104	0.01033	6.21E-02	4.40E-04	2.38E-08	2.32E-04	4.11E-03	5.25E-04	1.70E-03	1.62E-03	6.75E-02
3212	492363.09	3846877.25	0.01519	0.01015	0.00957	0.00907	0.01942	0.00865	0.0103	0.01015	7.29E-02	4.32E-04	2.30E-08	2.20E-04	4.19E-03	5.60E-04	1.68E-03	1.59E-03	7.84E-02
3213	492863.09	3846877.25	0.01565	0.01004	0.00846	0.00948	0.02011	0.00907	0.0102	0.01004	7.51E-02	4.27E-04	2.03E-08	2.30E-04	4.34E-03	5.87E-04	1.67E-03	1.57E-03	8.08E-02
3214	493363.09	3846877.25	0.01511	0.00997	0.00812	0.00904	0.01997	0.0087	0.0101	0.00997	7.25E-02	4.24E-04	1.95E-08	2.19E-04	4.31E-03	5.63E-04	1.66E-03	1.56E-03	7.81E-02
3215	493863.09	3846877.25	0.01549	0.00991	0.00955	0.01	0.01842	0.00801	0.01	0.00991	7.43E-02	4.22E-04	2.29E-08	2.42E-04	3.97E-03	5.18E-04	1.64E-03	1.55E-03	7.96E-02
3216	494363.09	3846877.25	0.01481	0.00984	0.01027	0.00833	0.01515	0.00806	0.0099	0.00984	7.11E-02	4.19E-04	2.46E-08	2.02E-04	3.27E-03	5.22E-04	1.62E-03	1.54E-03	7.56E-02
3217	494863.09	3846877.25	0.01404	0.00978	0.0085	0.00942	0.01922	0.00896	0.0099	0.00978	6.74E-02	4.16E-04	2.04E-08	2.28E-04	4.15E-03	5.80E-04	1.61E-03	1.53E-03	7.28E-02
3218	495363.09	3846877.25	0.01454	0.00988	0.00794	0.00949	0.01964	0.00923	0.01	0.00988	6.98E-02	4.20E-04	1.90E-08	2.30E-04	4.24E-03	5.97E-04	1.63E-03	1.55E-03	7.53E-02
3219	495863.09	3846877.25	0.01399	0.01	0.00853	0.00835	0.03547	0.00969	0.0101	0.01	6.71E-02	4.25E-04	2.05E-08	2.02E-04	7.65E-03	6.27E-04	1.65E-03	1.57E-03	7.61E-02
3220	496363.09	3846877.25	0.01395	0.01012	0.01027	0.00883	0.03795	0.01054	0.0102	0.01012	6.69E-02	4.31E-04	2.46E-08	2.14E-04	8.18E-03	6.82E-04	1.66E-03	1.59E-03	7.65E-02
3221	496863.09	3846877.25	0.01484	0.01006	0.00953	0.00908	0.03507	0.01047	0.0102	0.01006	7.12E-02	4.28E-04	2.29E-08	2.20E-04	7.56E-03	6.77E-04	1.66E-03	1.58E-03	8.02E-02
3222	497363.09	3846877.25	0.01743	0.01073	0.00957	0.01129	0.03226	0.01056	0.0109	0.01073	8.36E-02	4.57E-04	2.30E-08	2.74E-04	6.96E-03	6.83E-04	1.77E-03	1.68E-03	9.21E-02
3223	497863.09	3846877.25	0.01758	0.01074	0.01003	0.01212	0.03721	0.01107	0.0109	0.01074	8.44E-02	4.57E-04	2.41E-08	2.94E-04	8.03E-03	7.16E-04	1.78E-03	1.68E-03	9.40E-02
3224	498363.09	3846877.25	0.01737	0.01053	0.01015	0.01205	0.02778	0.01096	0.0107	0.01053	8.34E-02	4.48E-04	2.43E-08	2.92E-04	5.99E-03	7.09E-04	1.74E-03	1.65E-03	9.09E-02
3225	471363.09	3847377.25	0.02815	0.1441	0.01051	0.02377	0.03491	0.02163	0.1449	0.1441	1.35E-01	6.13E-03	2.52E-08	5.76E-04	7.53E-03	1.40E-03	2.37E-02	2.26E-02	1.52E-01
3226	471863.09	3847377.25	0.0252	0.17452	0.00978	0.02407	0.02993	0.01935	0.1756	0.17452	1.21E-01	7.43E-03	2.35E-08	5.83E-04	6.46E-03	1.25E-03	2.87E-02	2.73E-02	1.38E-01
3227	472363.09	3847377.25	0.02899	0.23899	0.01119	0.01898	0.02218	0.01655	0.241	0.23899	1.39E-01	1.02E-02	2.68E-08	4.60E-04	4.78E-03	1.07E-03	3.93E-02	3.74E-02	1.58E-01
3228	472863.09	3847377.25	0.03329	0.65971	0.01043	0.01195	0.01837	0.0178	0.6658	0.65971	1.60E-01	2.81E-02	2.50E-08	2.90E-04	3.96E-03	1.15E-03	1.09E-01	1.03E-01	1.99E-01
3229	473363.09	3847377.25	0.02994	0.21247	0.01063	0.01267	0.01673	0.01857	0.2127	0.21247	1.44E-01	9.04E-03	2.55E-08	3.07E-04	3.61E-03	1.20E-03	3.47E-02	3.33E-02	1.59E-01
3230	473863.09	3847377.25	0.02894	0.14477	0.01185	0.0139	0.01746	0.01754	0.1458	0.14477	1.39E-01	6.16E-03	2.84E-08	3.37E-04	3.77E-03	1.13E-03	2.38E-02	2.27E-02	1.51E-01
3231	474363.09	3847377.25	0.03242	0.14022	0.01405	0.01437	0.01771	0.01738	0.1414	0.14022	1.56E-01	5.97E-03	3.37E-08	3.48E-04	3.82E-03	1.12E-03	2.31E-02	2.20E-02	1.68E-01
3232	474863.09	3847377.25	0.02872	0.10556	0.01584	0.01657	0.02107	0.01634	0.1066	0.10556	1.38E-01	4.49E-03	3.80E-08	4.01E-04	4.54E-03	1.06E-03	1.74E-02	1.65E-02	1.49E-01
3233	475363.09	3847377.25	0.03142	0.08499	0.0162	0.01943	0.02833	0.01707	0.0881	0.08499	1.51E-01	3.62E-03	3.89E-08	4.71E-04	6.11E-03	1.10E-03	1.44E-02	1.33E-02	1.63E-01
3234	475863.09	3847377.25	0.03984	0.08822	0.01467	0.01706	0.03008	0.01533	0.0908	0.08822	1.91E-01	3.75E-03	3.52E-08	4.13E-04	6.49E-03	9.92E-04	1.48E-02	1.38E-02	2.04E-01
3235	476363.09	3847377.25	0.03353	0.08576	0.01187	0.01569	0.03241	0.02225	0.0867	0.08576	1.61E-01	3.65E-03	2.85E-08	3.80E-04	6.99E-03	1.44E-03	1.41E-02	1.34E-02	1.74E-01
3236	476863.09	3847377.25	0.02639	0.07938	0.01616	0.01663	0.02493	0.01518	0.08	0.07938	1.27E-01	3.38E-03	3.88E-08	4.03E-04	5.38E-03	9.82E-04	1.31E-02	1.24E-02	1.37E-01
3237	477363.09	3847377.25	0.02735	0.0717	0.01488	0.01681	0.02735	0.01731	0.0723	0.0717	1.31E-01	3.05E-03	3.57E-08	4.07E-04	5.90E-03	1.12E-03	1.18E-02	1.12E-02	1.42E-01
3238	477863.09	3847377.25	0.02918	0.06182	0.01571	0.0151	0.0201	0.01707	0.0651	0.06182	1.40E-01	2.63E-03	3.77E-08	3.66E-04	4.34E-03	1.10E-03	1.06E-02	9.68E-03	1.49E-01
3239	478363.09	3847377.25	0.02966	0.05591	0.01551	0.0156	0.02565	0.01503	0.058	0.05591	1.42E-01	2.38E-03	3.72E-08	3.78E-04	5.53E-03	9.72E-04	9.47E-03	8.76E-03	1.52E-01
3240	478863.09	3847377.25	0.03542	0.0526	0.01428	0.01655	0.02986	0.01656	0.0534	0.0526	1.70E-01	2.24E-03	3.42E-08	4.01E-04	6.44E-03	1.07E-03	8.72E-03	8.24E-03	1.81E-01
3241	479363.09	3847377.25	0.02376	0.04165	0.0125	0.01535	0.02799	0.01567	0.0421	0.04165	1.14E-01	1.77E-03	3.00E-08	3.72E-04	6.04E-03	1.01E-03	6.88E-03	6.52E-03	1.24E-01
3242	479863.09	3847377.25	0.03299	0.03264	0.01133	0.01577	0.02634	0.01289	0.033	0.03264	1.58E-01	1.39E-03	2.72E-08	3.82E-04	5.68E-03	8.34E-04	5.38E-03	5.11E-03	1.67E-01
3243	480363.09	3847377.25	0.02971	0.02591	0.01417	0.01298	0.02434	0.01401	0.0217	0.02591	1.43E-01	1.10E-03	3.40E-08	3.14E-04	5.25E-03	9.06E-04	3.55E-03	4.06E-03	1.50E-01
3244	480863.09	3847377.25	0.02515	0.01998	0.01418	0.01301	0.02021	0.01444	0.0201	0.01998	1.21E-01	8.50E-04	3.40E-08	3.15E-04	4.36E-03	9.34E-04	3.28E-03	3.13E-03	1.27E-01
3245	481363.09	3847377.25	0.02918	0.01921	0.0138	0.01467	0.02117	0.01411	0.0211	0.01921	1.40E-01	8.17E-04	3.31E-08	3.55E-04	4.57E-03	9.13E-04	3.44E-03	3.01E-03	1.47E-01

3246	481863.09	3847377.25	0.03222	0.02499	0.0162	0.01508	0.02807	0.01462	0.0252	0.02499	1.55E-01	1.06E-03	3.89E-08	3.65E-04	6.05E-03	9.46E-04	4.11E-03	3.91E-03	1.63E-01
3247	482363.09	3847377.25	0.02736	0.02345	0.01525	0.01454	0.03464	0.01437	0.0234	0.02345	1.31E-01	9.98E-04	3.66E-08	3.52E-04	7.47E-03	9.30E-04	3.82E-03	3.67E-03	1.41E-01
3248	482863.09	3847377.25	0.02317	0.02256	0.01343	0.01375	0.02936	0.01333	0.022	0.02256	1.11E-01	9.60E-04	3.22E-08	3.33E-04	6.33E-03	8.62E-04	3.59E-03	3.53E-03	1.20E-01
3249	483363.09	3847377.25	0.02267	0.02115	0.01213	0.01378	0.02766	0.01558	0.0209	0.02115	1.09E-01	9.00E-04	2.91E-08	3.34E-04	5.97E-03	1.01E-03	3.41E-03	3.31E-03	1.17E-01
3250	483863.09	3847377.25	0.02652	0.01922	0.01309	0.01529	0.02805	0.01597	0.0194	0.01922	1.27E-01	8.18E-04	3.14E-08	3.70E-04	6.05E-03	1.03E-03	3.17E-03	3.01E-03	1.36E-01
3251	484363.09	3847377.25	0.02805	0.01982	0.0162	0.01407	0.0378	0.01568	0.02	0.01982	1.35E-01	8.43E-04	3.89E-08	3.41E-04	8.15E-03	1.01E-03	3.26E-03	3.10E-03	1.45E-01
3252	484863.09	3847377.25	0.02398	0.0189	0.01552	0.01289	0.05278	0.01429	0.019	0.0189	1.15E-01	8.04E-04	3.72E-08	3.12E-04	1.14E-02	9.25E-04	3.10E-03	2.96E-03	1.29E-01
3253	485363.09	3847377.25	0.02246	0.01835	0.01825	0.01499	0.0417	0.01183	0.0187	0.01835	1.08E-01	7.81E-04	4.38E-08	3.63E-04	8.99E-03	7.65E-04	3.05E-03	2.87E-03	1.19E-01
3254	485863.09	3847377.25	0.02151	0.01812	0.01629	0.01612	0.02873	0.01159	0.0184	0.01812	1.03E-01	7.71E-04	3.91E-08	3.91E-04	6.20E-03	7.50E-04	3.00E-03	2.84E-03	1.11E-01
3255	486363.09	3847377.25	0.02221	0.01786	0.01325	0.01537	0.02056	0.01134	0.018	0.01786	1.07E-01	7.60E-04	3.18E-08	3.72E-04	4.43E-03	7.34E-04	2.94E-03	2.80E-03	1.13E-01
3256	486863.09	3847377.25	0.02162	0.01575	0.01411	0.01259	0.02349	0.01058	0.0161	0.01575	1.04E-01	6.70E-04	3.38E-08	3.05E-04	5.07E-03	6.85E-04	2.63E-03	2.47E-03	1.11E-01
3257	487363.09	3847377.25	0.0232	0.01554	0.01444	0.01271	0.02251	0.01051	0.0159	0.01554	1.11E-01	6.61E-04	3.46E-08	3.08E-04	4.85E-03	6.80E-04	2.60E-03	2.43E-03	1.18E-01
3258	487863.09	3847377.25	0.0213	0.01437	0.01344	0.01364	0.02594	0.01033	0.0154	0.01437	1.02E-01	6.11E-04	3.22E-08	3.30E-04	5.59E-03	6.68E-04	2.52E-03	2.25E-03	1.10E-01
3259	488363.09	3847377.25	0.02226	0.01404	0.01113	0.01146	0.01788	0.0101	0.0149	0.01404	1.07E-01	5.97E-04	2.67E-08	2.78E-04	3.86E-03	6.53E-04	2.43E-03	2.20E-03	1.12E-01
3260	488863.09	3847377.25	0.01967	0.01377	0.01214	0.00981	0.03938	0.01131	0.0144	0.01377	9.44E-02	5.86E-04	2.91E-08	2.38E-04	8.49E-03	7.32E-04	2.36E-03	2.16E-03	1.05E-01
3261	489363.09	3847377.25	0.01739	0.01348	0.01429	0.01193	0.02041	0.01087	0.014	0.01348	8.35E-02	5.74E-04	3.43E-08	2.89E-04	4.40E-03	7.03E-04	2.28E-03	2.11E-03	8.96E-02
3262	489863.09	3847377.25	0.01661	0.01273	0.0135	0.01076	0.03152	0.00988	0.0129	0.01273	7.97E-02	5.42E-04	3.24E-08	2.61E-04	6.80E-03	6.39E-04	2.10E-03	1.99E-03	8.81E-02
3263	490363.09	3847377.25	0.01565	0.01196	0.01189	0.00979	0.02518	0.0092	0.0121	0.01196	7.51E-02	5.09E-04	2.85E-08	2.37E-04	5.43E-03	5.95E-04	1.97E-03	1.87E-03	8.20E-02
3264	490863.09	3847377.25	0.01572	0.01175	0.01025	0.00986	0.02338	0.00943	0.0118	0.01175	7.54E-02	5.00E-04	2.46E-08	2.39E-04	5.04E-03	6.10E-04	1.93E-03	1.84E-03	8.19E-02
3265	491363.09	3847377.25	0.01559	0.01138	0.01152	0.0121	0.03293	0.00929	0.0115	0.01138	7.48E-02	4.84E-04	2.76E-08	2.93E-04	7.10E-03	6.01E-04	1.87E-03	1.78E-03	8.34E-02
3266	491863.09	3847377.25	0.01654	0.01128	0.01006	0.01167	0.02169	0.00946	0.0114	0.01128	7.94E-02	4.80E-04	2.41E-08	2.83E-04	4.68E-03	6.12E-04	1.86E-03	1.77E-03	8.55E-02
3267	492363.09	3847377.25	0.01626	0.01073	0.00834	0.01027	0.02085	0.00905	0.0109	0.01073	7.80E-02	4.57E-04	2.00E-08	2.49E-04	4.50E-03	5.86E-04	1.78E-03	1.68E-03	8.39E-02
3268	492863.09	3847377.25	0.0162	0.01059	0.00975	0.01073	0.02115	0.00975	0.0108	0.01059	7.77E-02	4.51E-04	2.34E-08	2.60E-04	4.56E-03	6.31E-04	1.75E-03	1.66E-03	8.37E-02
3269	493363.09	3847377.25	0.01589	0.01045	0.01048	0.01037	0.01985	0.00896	0.0106	0.01045	7.63E-02	4.45E-04	2.51E-08	2.51E-04	4.28E-03	5.80E-04	1.73E-03	1.64E-03	8.19E-02
3270	493863.09	3847377.25	0.01515	0.01024	0.0107	0.01148	0.01685	0.0083	0.0104	0.01024	7.27E-02	4.36E-04	2.57E-08	2.78E-04	3.63E-03	5.37E-04	1.69E-03	1.60E-03	7.77E-02
3271	494363.09	3847377.25	0.01425	0.01008	0.00862	0.00834	0.01859	0.00822	0.0102	0.01008	6.84E-02	4.29E-04	2.07E-08	2.02E-04	4.01E-03	5.32E-04	1.66E-03	1.58E-03	7.36E-02
3272	494863.09	3847377.25	0.01397	0.00997	0.00847	0.01044	0.01897	0.00927	0.0101	0.00997	6.70E-02	4.24E-04	2.03E-08	2.53E-04	4.09E-03	6.00E-04	1.65E-03	1.56E-03	7.25E-02
3273	495363.09	3847377.25	0.0141	0.00989	0.00831	0.00867	0.02595	0.01033	0.01	0.00989	6.77E-02	4.21E-04	1.99E-08	2.10E-04	5.60E-03	6.68E-04	1.63E-03	1.55E-03	7.46E-02
3274	495863.09	3847377.25	0.01431	0.00985	0.00862	0.00892	0.03235	0.01078	0.01	0.00985	6.87E-02	4.19E-04	2.07E-08	2.16E-04	6.98E-03	6.97E-04	1.63E-03	1.54E-03	7.71E-02
3275	496363.09	3847377.25	0.01494	0.00988	0.0086	0.00867	0.02933	0.01078	0.0102	0.00988	7.17E-02	4.20E-04	2.06E-08	2.10E-04	6.33E-03	6.97E-04	1.66E-03	1.55E-03	7.95E-02
3276	496863.09	3847377.25	0.01529	0.0101	0.01017	0.01066	0.0328	0.01216	0.0103	0.0101	7.34E-02	4.30E-04	2.44E-08	2.58E-04	7.07E-03	7.87E-04	1.67E-03	1.58E-03	8.20E-02
3277	497363.09	3847377.25	0.01536	0.01042	0.01032	0.01144	0.03896	0.01131	0.0106	0.01042	7.37E-02	4.43E-04	2.48E-08	2.77E-04	8.40E-03	7.32E-04	1.73E-03	1.63E-03	8.37E-02
3278	497863.09	3847377.25	0.01844	0.01111	0.01083	0.01294	0.03224	0.01125	0.0112	0.01111	8.85E-02	4.73E-04	2.60E-08	3.13E-04	6.95E-03	7.28E-04	1.82E-03	1.74E-03	9.70E-02
3279	498363.09	3847377.25	0.01974	0.01102	0.01203	0.01305	0.03875	0.01067	0.0111	0.01102	9.47E-02	4.69E-04	2.89E-08	3.16E-04	8.36E-03	6.90E-04	1.81E-03	1.73E-03	1.05E-01
3280	471363.09	3847877.25	0.0358	0.12707	0.01447	0.02403	0.0341	0.02615	0.1282	0.12707	1.72E-01	5.41E-03	3.47E-08	5.82E-04	7.35E-03	1.69E-03	2.09E-02	1.99E-02	1.88E-01
3281	471863.09	3847877.25	0.03306	0.1454	0.01294	0.02387	0.04004	0.02328	0.1465	0.1454	1.59E-01	6.19E-03	3.10E-08	5.78E-04	8.64E-03	1.51E-03	2.39E-02	2.28E-02	1.77E-01
3282	472363.09	3847877.25	0.02965	0.16101	0.01196	0.0255	0.0364	0.02462	0.1625	0.16101	1.42E-01	6.85E-03	2.87E-08	6.18E-04	7.85E-03	1.59E-03	2.65E-02	2.52E-02	1.61E-01
3283	472863.09	3847877.25	0.03451	0.20628	0.01029	0.02356	0.02945	0.01831	0.2075	0.20628	1.66E-01	8.78E-03	2.47E-08	5.71E-04	6.35E-03	1.18E-03	3.39E-02	3.23E-02	1.84E-01
3284	473363.09	3847877.25	0.03326	0.31017	0.01147	0.0171	0.02335	0.01806	0.3111	0.31017	1.60E-01	1.32E-02	2.75E-08	4.14E-04	5.04E-03	1.17E-03	5.08E-02	4.86E-02	1.82E-01
3285	473863.09	3847877.25	0.03741	1.6679	0.01107	0.01308	0.01779	0.01916	1.7681	1.6679	1.80E-01	7.10E-02	2.65E-08	3.17E-04	3.84E-03	1.24E-03	2.89E-01	2.61E-01	2.83E-01
3286	474363.09	3847877.25	0.04022	0.20366	0.01253	0.0138	0.01819	0.0194	0.2059	0.20366	1.93E-01	8.67E-03	3.01E-08	3.34E-04	3.92E-03	1.26E-03	3.36E-02	3.19E-02	2.09E-01
3287	474863.09	3847877.25	0.03362	0.16655	0.01431	0.01544	0.02051	0.01789	0.1684	0.16655	1.61E-01	7.09E-03	3.43E-08	3.74E-04	4.42E-03	1.16E-03	2.75E-02	2.61E-02	1.76E-01
3288	475363.09	3847877.25	0.03118	0.11694	0.01625	0.01496	0.02094	0.01747	0.1186	0.11694	1.50E-01	4.98E-03	3.90E-08	3.62E-04	4.52E-03	1.13E-03	1.94E-02	1.83E-02	1.62E-01
3289	475863.09	3847877.25	0.03852	0.09232	0.01667	0.02093	0.02623	0.01809	0.0964	0.09232	1.85E-01	3.93E-03	4.00E-08	5.07E-04	5.66E-03	1.17E-03	1.57E-02	1.45E-02	1.97E-01
3290	476363.09	3847877.25	0.04154	0.09955	0.01543	0.01765	0.0315	0.01632	0.1174	0.09955	1.99E-01	4.24E-03	3.70E-08	4.28E-04	6.79E-03	1.06E-03	1.92E-02	1.56E-02	2.15E-01
3291	476863.09	3847877.25	0.03465	0.09251	0.01388	0.01816	0.03332	0.02278	0.0961	0.09251	1.66E-01	3.94E-03	3.33E-08	4.40E-04	7.19E-03	1.47E-03	1.57E-02	1.45E-02	1.81E-01
3292	477363.09	3847877.25	0.02776	0.08776	0.01717	0.01743	0.02567	0.01576	0.0823	0.08776	1.33E-01	3.73E-03	4.12E-08	4.22E-04	5.54E-03	1.02E-03	1.34E-02	1.37E-02	1.44E-01
3293	477863.09	3847877.25	0.02924	0.07858	0.01576	0.01739	0.02813	0.01782	0.0787	0.07858	1.40E-01	3.34E-03	3.78E-08	4.21E-04	6.07E-03	1.15E-03	1.28E-02	1.23E-02	1.52E-01
3294	478363.09	3847877.25	0.03089	0.06691	0.01653	0.01552	0.02503	0.01756	0.069	0.06691	1.48E-01	2.85E-03	3.96E-08	3.76E-04	5.40E-03	1.14E-03	1.13E-02	1.05E-02	1.59E-01
3295	478863.09	3847877.25	0.03234	0.05962	0.01669	0.01701	0.02656	0.01704	0.0609	0.05962	1.55E-01	2.54E-03	4.00E-08	4.12E-04	5.73E-03	1.10E-03	9.93E-03	9.34E-03	1.66E-01
3296	479363.09	3847877.25	0.03862	0.04293	0.01376	0.01695	0.03201	0.0161	0.0419	0.04293	1.85E-01	1.83E-03	3.30E-08	4.11E-04	6.90E-03	1.04E-03	6.84E-03	6.73E-03	1.96E-01
3297	479863.09	3847877.25	0.02434	0.02728	0.01204	0.01528	0.03104	0.01256	0.0274	0.02728	1.17E-01	1.16E-03	2.89E-08	3.70E-04	6.69E-03	8.13E-04	4.48E-03	4.27E-03	1.26E-01
3298	480363.09	3847877.25	0.03246	0.02754	0.01283	0.01449	0.02641	0.01368	0.0272	0.02754	1.56E-01	1.17E-03	3.08E-08	3.51E-04	5.70E-03	8.85E-04	4.44E-03	4.31E-03	1.64E-01
3299	480863.09	3847877.25	0.03014	0.02636	0.01543	0.01294	0.0248	0.01538	0.024	0.02636	1.45E-01	1.12E-03	3.70E-08	3.13E-04	5.35E-03	9.95E-04	3.91E-03	4.13E-03	1.52E-01
3300	481363.09	3847877.25	0.03078	0.0229	0.01408	0.01429	0.02128	0.01469	0.0231	0.0229	1.48E-01	9.74E-04	3.38E-08	3.46E-04	4.59E-03	9.50E-04	3.77E-03	3.59E-03	1.55E-01
3301	481863.09	3847877.25	0.04503	0.02831	0.01519	0.0165	0.02325	0.01466	0.0286	0.02831	2.16E-01	1.20E-03	3.64E-08	4.00E-04	5.01E-03	9.49E-04	4.66E-03	4.43E-03	2.24E-01
3302	482363.09	3847877.25	0.03253	0.02636	0.016	0.01517	0.03313	0.01476	0.0264	0.02636	1.56E-01	1.12E-03	3.84E-08	3.68E-04	7.15E-03	9.55E-04	4.30E-03	4.13E-03	1.66E-01

3303	482863.09	3847877.25	0.02475	0.02419	0.01447	0.01419	0.03502	0.01426	0.0242	0.02419	1.19E-01	1.03E-03	3.47E-08	3.44E-04	7.55E-03	9.23E-04	3.95E-03	3.79E-03	1.29E-01
3304	483363.09	3847877.25	0.03117	0.0247	0.01313	0.01441	0.02772	0.01523	0.023	0.0247	1.50E-01	1.05E-03	3.15E-08	3.49E-04	5.98E-03	9.85E-04	3.76E-03	3.87E-03	1.58E-01
3305	483863.09	3847877.25	0.02949	0.02134	0.01908	0.0158	0.02703	0.01619	0.0217	0.02134	1.42E-01	9.08E-04	4.58E-08	3.83E-04	5.83E-03	1.05E-03	3.55E-03	3.34E-03	1.50E-01
3306	484363.09	3847877.25	0.03295	0.02205	0.01913	0.015	0.03512	0.01582	0.0222	0.02205	1.58E-01	9.38E-04	4.59E-08	3.63E-04	7.57E-03	1.02E-03	3.63E-03	3.45E-03	1.68E-01
3307	484863.09	3847877.25	0.0317	0.02136	0.01603	0.01435	0.0605	0.0163	0.0216	0.02136	1.52E-01	9.09E-04	3.84E-08	3.48E-04	1.30E-02	1.05E-03	3.52E-03	3.35E-03	1.68E-01
3308	485363.09	3847877.25	0.02887	0.02155	0.01524	0.01607	0.05093	0.01332	0.0218	0.02155	1.39E-01	9.17E-04	3.66E-08	3.89E-04	1.10E-02	8.62E-04	3.55E-03	3.38E-03	1.52E-01
3309	485863.09	3847877.25	0.02348	0.02142	0.0181	0.01737	0.0423	0.0125	0.0216	0.02142	1.13E-01	9.11E-04	4.34E-08	4.21E-04	9.12E-03	8.09E-04	3.52E-03	3.36E-03	1.24E-01
3310	486363.09	3847877.25	0.02312	0.01875	0.01529	0.01682	0.02217	0.01204	0.019	0.01875	1.11E-01	7.98E-04	3.67E-08	4.07E-04	4.78E-03	7.79E-04	3.10E-03	2.94E-03	1.18E-01
3311	486863.09	3847877.25	0.02412	0.01824	0.01585	0.0143	0.02684	0.01302	0.0184	0.01824	1.16E-01	7.76E-04	3.80E-08	3.46E-04	5.79E-03	8.42E-04	3.01E-03	2.86E-03	1.24E-01
3312	487363.09	3847877.25	0.02601	0.01744	0.01955	0.01307	0.02464	0.01115	0.0175	0.01744	1.25E-01	7.42E-04	4.69E-08	3.17E-04	5.31E-03	7.21E-04	2.86E-03	2.73E-03	1.32E-01
3313	487863.09	3847877.25	0.02689	0.01618	0.01362	0.01389	0.02694	0.01073	0.0165	0.01618	1.29E-01	6.88E-04	3.27E-08	3.37E-04	5.81E-03	6.94E-04	2.69E-03	2.53E-03	1.37E-01
3314	488363.09	3847877.25	0.02262	0.01552	0.01318	0.01157	0.0206	0.01125	0.0161	0.01552	1.09E-01	6.60E-04	3.16E-08	2.80E-04	4.44E-03	7.28E-04	2.63E-03	2.43E-03	1.15E-01
3315	488863.09	3847877.25	0.0218	0.01529	0.01421	0.01053	0.04335	0.0129	0.0157	0.01529	1.05E-01	6.51E-04	3.41E-08	2.55E-04	9.35E-03	8.35E-04	2.57E-03	2.40E-03	1.16E-01
3316	489363.09	3847877.25	0.01997	0.01505	0.01565	0.0129	0.02222	0.01123	0.0153	0.01505	9.58E-02	6.40E-04	3.75E-08	3.13E-04	4.79E-03	7.27E-04	2.50E-03	2.36E-03	1.02E-01
3317	489863.09	3847877.25	0.02233	0.0155	0.01564	0.01301	0.02994	0.01092	0.0157	0.0155	1.07E-01	6.60E-04	3.75E-08	3.15E-04	6.46E-03	7.07E-04	2.57E-03	2.43E-03	1.15E-01
3318	490363.09	3847877.25	0.02102	0.01497	0.01532	0.01091	0.03099	0.01075	0.0151	0.01497	1.01E-01	6.37E-04	3.67E-08	2.64E-04	6.68E-03	6.96E-04	2.47E-03	2.35E-03	1.09E-01
3319	490863.09	3847877.25	0.02263	0.01333	0.01472	0.01597	0.03409	0.0111	0.0135	0.01333	1.09E-01	5.67E-04	3.53E-08	3.87E-04	7.35E-03	7.18E-04	2.20E-03	2.09E-03	1.18E-01
3320	491363.09	3847877.25	0.01803	0.01212	0.01069	0.01515	0.02635	0.01024	0.0124	0.01212	8.65E-02	5.16E-04	2.56E-08	3.67E-04	5.68E-03	6.63E-04	2.02E-03	1.90E-03	9.39E-02
3321	491863.09	3847877.25	0.01852	0.01174	0.0095	0.01323	0.02094	0.01031	0.012	0.01174	8.89E-02	5.00E-04	2.28E-08	3.21E-04	4.52E-03	6.67E-04	1.96E-03	1.84E-03	9.50E-02
3322	492363.09	3847877.25	0.01665	0.01144	0.00973	0.01215	0.02264	0.00999	0.0115	0.01144	7.99E-02	4.87E-04	2.33E-08	2.94E-04	4.88E-03	6.46E-04	1.88E-03	1.79E-03	8.63E-02
3323	492863.09	3847877.25	0.01653	0.01114	0.00975	0.01174	0.02178	0.01062	0.0113	0.01114	7.93E-02	4.74E-04	2.34E-08	2.84E-04	4.70E-03	6.87E-04	1.85E-03	1.75E-03	8.56E-02
3324	493363.09	3847877.25	0.01554	0.01069	0.01099	0.00986	0.01916	0.00894	0.0108	0.01069	7.46E-02	4.55E-04	2.64E-08	2.39E-04	4.13E-03	5.78E-04	1.77E-03	1.67E-03	8.01E-02
3325	493863.09	3847877.25	0.01442	0.01039	0.00971	0.01076	0.01673	0.00912	0.0105	0.01039	6.92E-02	4.42E-04	2.33E-08	2.61E-04	3.61E-03	5.90E-04	1.72E-03	1.63E-03	7.42E-02
3326	494363.09	3847877.25	0.01332	0.0102	0.00852	0.00829	0.022	0.01195	0.0103	0.0102	6.39E-02	4.34E-04	2.04E-08	2.01E-04	4.74E-03	7.73E-04	1.69E-03	1.60E-03	7.02E-02
3327	494863.09	3847877.25	0.01361	0.01008	0.00852	0.00996	0.02539	0.01109	0.0102	0.01008	6.53E-02	4.29E-04	2.04E-08	2.41E-04	5.48E-03	7.18E-04	1.67E-03	1.58E-03	7.23E-02
3328	495363.09	3847877.25	0.01426	0.00987	0.00823	0.0103	0.03484	0.00968	0.0102	0.00987	6.84E-02	4.20E-04	1.97E-08	2.50E-04	7.51E-03	6.26E-04	1.67E-03	1.55E-03	7.74E-02
3329	495863.09	3847877.25	0.01393	0.00976	0.00872	0.00891	0.02981	0.01281	0.0102	0.00976	6.68E-02	4.15E-04	2.09E-08	2.16E-04	6.43E-03	8.29E-04	1.66E-03	1.53E-03	7.49E-02
3330	496363.09	3847877.25	0.01485	0.00992	0.00974	0.01028	0.02682	0.01079	0.0103	0.00992	7.13E-02	4.22E-04	2.34E-08	2.49E-04	5.78E-03	6.98E-04	1.68E-03	1.55E-03	7.85E-02
3331	496863.09	3847877.25	0.01698	0.01007	0.01063	0.01261	0.03788	0.01162	0.0105	0.01007	8.15E-02	4.28E-04	2.55E-08	3.06E-04	8.17E-03	7.52E-04	1.71E-03	1.58E-03	9.13E-02
3332	497363.09	3847877.25	0.01579	0.00991	0.01078	0.01302	0.02969	0.01106	0.0106	0.00991	7.58E-02	4.22E-04	2.59E-08	3.15E-04	6.40E-03	7.16E-04	1.73E-03	1.55E-03	8.38E-02
3333	497863.09	3847877.25	0.0218	0.01173	0.01229	0.01594	0.03752	0.01127	0.0119	0.01173	1.05E-01	4.99E-04	2.95E-08	3.86E-04	8.09E-03	7.29E-04	1.94E-03	1.84E-03	1.14E-01
3334	498363.09	3847877.25	0.02184	0.01213	0.01173	0.01636	0.02721	0.01112	0.0122	0.01213	1.05E-01	5.16E-04	2.81E-08	3.96E-04	5.87E-03	7.19E-04	1.99E-03	1.90E-03	1.12E-01
3335	471363.09	3848377.25	0.03904	0.12166	0.02201	0.01929	0.02966	0.02222	0.1224	0.12166	1.87E-01	5.18E-03	5.28E-08	4.67E-04	6.40E-03	1.44E-03	2.00E-02	1.91E-02	2.02E-01
3336	471863.09	3848377.25	0.03851	0.13254	0.01921	0.02036	0.02988	0.02738	0.1335	0.13254	1.85E-01	5.64E-03	4.61E-08	4.93E-04	6.44E-03	1.77E-03	2.18E-02	2.08E-02	2.00E-01
3337	472363.09	3848377.25	0.03796	0.14506	0.01436	0.02494	0.0364	0.02669	0.1463	0.14506	1.82E-01	6.17E-03	3.44E-08	6.04E-04	7.85E-03	1.73E-03	2.39E-02	2.27E-02	2.00E-01
3338	472863.09	3848377.25	0.03443	0.16171	0.01328	0.02508	0.04076	0.02571	0.1631	0.16171	1.65E-01	6.88E-03	3.18E-08	6.08E-04	8.79E-03	1.66E-03	2.66E-02	2.53E-02	1.84E-01
3339	473363.09	3848377.25	0.03299	0.19672	0.01087	0.02599	0.045	0.02469	0.1983	0.19672	1.58E-01	8.37E-03	2.61E-08	6.30E-04	9.71E-03	1.60E-03	3.24E-02	3.08E-02	1.80E-01
3340	473863.09	3848377.25	0.04325	0.25854	0.01255	0.02238	0.02867	0.02028	0.2606	0.25854	2.08E-01	1.10E-02	3.01E-08	5.42E-04	6.18E-03	1.31E-03	4.25E-02	4.05E-02	2.29E-01
3341	474363.09	3848377.25	0.06128	0.63749	0.01529	0.01447	0.02112	0.01972	0.6426	0.63749	2.94E-01	2.71E-02	3.67E-08	3.51E-04	4.56E-03	1.28E-03	1.05E-01	9.99E-02	3.32E-01
3342	474863.09	3848377.25	0.04326	0.33131	0.01224	0.01373	0.01835	0.02011	0.3334	0.33131	2.08E-01	1.41E-02	2.94E-08	3.33E-04	3.96E-03	1.30E-03	5.44E-02	5.19E-02	2.30E-01
3343	475363.09	3848377.25	0.04431	0.22319	0.01485	0.01642	0.01958	0.01984	0.2254	0.22319	2.13E-01	9.50E-03	3.56E-08	3.98E-04	4.22E-03	1.28E-03	3.68E-02	3.50E-02	2.30E-01
3344	475863.09	3848377.25	0.03887	0.14327	0.01682	0.01705	0.02123	0.01863	0.1443	0.14327	1.87E-01	6.10E-03	4.03E-08	4.13E-04	4.58E-03	1.21E-03	2.35E-02	2.24E-02	2.00E-01
3345	476363.09	3848377.25	0.04171	0.10458	0.01761	0.0225	0.02683	0.01921	0.1168	0.10458	2.00E-01	4.45E-03	4.22E-08	5.45E-04	5.79E-03	1.24E-03	1.91E-02	1.64E-02	2.15E-01
3346	476863.09	3848377.25	0.04353	0.11529	0.01625	0.01914	0.03293	0.01884	0.1196	0.11529	2.09E-01	4.91E-03	3.90E-08	4.64E-04	7.10E-03	1.22E-03	1.95E-02	1.81E-02	2.24E-01
3347	477363.09	3848377.25	0.03907	0.10749	0.0156	0.01901	0.03419	0.02329	0.1077	0.10749	1.87E-01	4.57E-03	3.74E-08	4.61E-04	7.37E-03	1.51E-03	1.76E-02	1.68E-02	2.02E-01
3348	477863.09	3848377.25	0.03023	0.10315	0.01827	0.01817	0.03057	0.01664	0.1026	0.10315	1.45E-01	4.39E-03	4.38E-08	4.40E-04	6.59E-03	1.08E-03	1.67E-02	1.62E-02	1.58E-01
3349	478363.09	3848377.25	0.0325	0.08536	0.01619	0.0183	0.02893	0.01822	0.0856	0.08536	1.56E-01	3.63E-03	3.88E-08	4.43E-04	6.24E-03	1.18E-03	1.40E-02	1.34E-02	1.68E-01
3350	478863.09	3848377.25	0.03194	0.07379	0.01738	0.01595	0.02871	0.01807	0.0747	0.07379	1.53E-01	3.14E-03	4.17E-08	3.86E-04	6.19E-03	1.17E-03	1.22E-02	1.16E-02	1.65E-01
3351	479363.09	3848377.25	0.03867	0.05089	0.01557	0.01784	0.02749	0.01561	0.0514	0.05089	1.86E-01	2.17E-03	3.73E-08	4.32E-04	5.93E-03	1.01E-03	8.40E-03	7.97E-03	1.96E-01
3352	479863.09	3848377.25	0.02149	0.02301	0.0123	0.01533	0.02663	0.01367	0.0239	0.02301	1.03E-01	9.79E-04	2.95E-08	3.71E-04	5.74E-03	8.84E-04	3.90E-03	3.60E-03	1.11E-01
3353	480363.09	3848377.25	0.02848	0.03001	0.01455	0.01555	0.03305	0.01327	0.0305	0.03001	1.37E-01	1.28E-03	3.49E-08	3.77E-04	7.13E-03	8.59E-04	4.98E-03	4.70E-03	1.47E-01
3354	480863.09	3848377.25	0.04116	0.03821	0.01693	0.01761	0.02854	0.0151	0.0386	0.03821	1.98E-01	1.63E-03	4.06E-08	4.27E-04	6.16E-03	9.77E-04	6.31E-03	5.99E-03	2.07E-01
3355	481363.09	3848377.25	0.04745	0.03584	0.01713	0.01837	0.02518	0.01585	0.0362	0.03584	2.28E-01	1.52E-03	4.11E-08	4.45E-04	5.43E-03	1.03E-03	5.91E-03	5.61E-03	2.36E-01
3356	481863.09	3848377.25	0.05886	0.03423	0.02112	0.01883	0.0216	0.01495	0.0346	0.03423	2.82E-01	1.46E-03	5.07E-08	4.56E-04	4.66E-03	9.67E-04	5.64E-03	5.36E-03	2.90E-01
3357	482363.09	3848377.25	0.05021	0.0334	0.01951	0.01751	0.02996	0.01492	0.0352	0.0334	2.41E-01	1.42E-03	4.68E-08	4.24E-04	6.46E-03	9.65E-04	5.74E-03	5.23E-03	2.51E-01
3358	482863.09	3848377.25	0.03119	0.0286	0.01592	0.01506	0.037	0.01505	0.0289	0.0286	1.50E-01	1.22E-03	3.82E-08	3.65E-04	7.98E-03	9.74E-04	4.71E-03	4.48E-03	1.60E-01
3359	483363.09	3848377.25	0.03216	0.02732	0.01395	0.01508	0.03246	0.01684	0.0272	0.02732	1.54E-01	1.16E-03	3.35E-08	3.65E-04	7.00E-03	1.09E-03	4.44E-03	4.28E-03	1.64E-01

3360	483863.09	3848377.25	0.03425	0.02356	0.02061	0.01607	0.0306	0.01641	0.0238	0.02356	1.64E-01	1.00E-03	4.94E-08	3.89E-04	6.60E-03	1.06E-03	3.88E-03	3.69E-03	1.74E-01
3361	484363.09	3848377.25	0.03265	0.02319	0.01968	0.01579	0.03704	0.01595	0.0234	0.02319	1.57E-01	9.87E-04	4.72E-08	3.83E-04	7.99E-03	1.03E-03	3.82E-03	3.63E-03	1.67E-01
3362	484863.09	3848377.25	0.03408	0.02543	0.02312	0.01508	0.04628	0.01738	0.0257	0.02543	1.64E-01	1.08E-03	5.54E-08	3.65E-04	9.98E-03	1.12E-03	4.19E-03	3.98E-03	1.76E-01
3363	485363.09	3848377.25	0.03087	0.02445	0.01709	0.0191	0.05879	0.01456	0.0247	0.02445	1.48E-01	1.04E-03	4.10E-08	4.63E-04	1.27E-02	9.42E-04	4.03E-03	3.83E-03	1.63E-01
3364	485863.09	3848377.25	0.02511	0.02408	0.01587	0.01826	0.04722	0.01345	0.0243	0.02408	1.21E-01	1.02E-03	3.81E-08	4.42E-04	1.02E-02	8.70E-04	3.97E-03	3.77E-03	1.33E-01
3365	486363.09	3848377.25	0.0265	0.02269	0.02042	0.01805	0.0219	0.01359	0.0227	0.02269	1.27E-01	9.65E-04	4.90E-08	4.37E-04	4.72E-03	8.79E-04	3.71E-03	3.55E-03	1.34E-01
3366	486863.09	3848377.25	0.0268	0.02057	0.01481	0.01514	0.03021	0.01338	0.0208	0.02057	1.29E-01	8.75E-04	3.55E-08	3.67E-04	6.52E-03	8.66E-04	3.39E-03	3.22E-03	1.37E-01
3367	487363.09	3848377.25	0.02619	0.01888	0.01824	0.01383	0.02572	0.0124	0.019	0.01888	1.26E-01	8.03E-04	4.37E-08	3.35E-04	5.55E-03	8.02E-04	3.10E-03	2.96E-03	1.33E-01
3368	487863.09	3848377.25	0.02711	0.01833	0.01449	0.01406	0.02804	0.0112	0.0185	0.01833	1.30E-01	7.80E-04	3.48E-08	3.41E-04	6.05E-03	7.25E-04	3.02E-03	2.87E-03	1.38E-01
3369	488363.09	3848377.25	0.02679	0.01761	0.01491	0.01209	0.02379	0.01242	0.0178	0.01761	1.29E-01	7.49E-04	3.58E-08	2.93E-04	5.13E-03	8.04E-04	2.90E-03	2.76E-03	1.36E-01
3370	488863.09	3848377.25	0.02305	0.01708	0.01495	0.01291	0.04296	0.01396	0.0173	0.01708	1.11E-01	7.27E-04	3.59E-08	3.13E-04	9.27E-03	9.03E-04	2.82E-03	2.68E-03	1.22E-01
3371	489363.09	3848377.25	0.02451	0.01699	0.01651	0.01429	0.02404	0.01157	0.0171	0.01699	1.18E-01	7.23E-04	3.96E-08	3.46E-04	5.18E-03	7.49E-04	2.80E-03	2.66E-03	1.25E-01
3372	489863.09	3848377.25	0.02529	0.01735	0.01619	0.01322	0.02765	0.01202	0.0175	0.01735	1.21E-01	7.38E-04	3.88E-08	3.20E-04	5.96E-03	7.78E-04	2.86E-03	2.72E-03	1.29E-01
3373	490363.09	3848377.25	0.02493	0.01678	0.01585	0.01156	0.04372	0.01187	0.0171	0.01678	1.20E-01	7.14E-04	3.80E-08	2.80E-04	9.43E-03	7.68E-04	2.79E-03	2.63E-03	1.31E-01
3374	490863.09	3848377.25	0.02457	0.0152	0.0128	0.01713	0.04367	0.012	0.0157	0.0152	1.18E-01	6.47E-04	3.07E-08	4.15E-04	9.42E-03	7.76E-04	2.56E-03	2.38E-03	1.29E-01
3375	491363.09	3848377.25	0.02137	0.01359	0.01084	0.01869	0.03464	0.01237	0.0137	0.01359	1.03E-01	5.78E-04	2.60E-08	4.53E-04	7.47E-03	8.00E-04	2.24E-03	2.13E-03	1.12E-01
3376	491863.09	3848377.25	0.01973	0.01283	0.01222	0.01466	0.02681	0.0108	0.013	0.01283	9.47E-02	5.46E-04	2.93E-08	3.55E-04	5.78E-03	6.99E-04	2.11E-03	2.01E-03	1.02E-01
3377	492363.09	3848377.25	0.01724	0.01146	0.01164	0.0123	0.02291	0.01092	0.0117	0.01146	8.27E-02	4.88E-04	2.79E-08	2.98E-04	4.94E-03	7.07E-04	1.91E-03	1.80E-03	8.93E-02
3378	492863.09	3848377.25	0.01587	0.0112	0.0111	0.01057	0.02119	0.00915	0.0113	0.0112	7.62E-02	4.77E-04	2.66E-08	2.56E-04	4.57E-03	5.92E-04	1.85E-03	1.75E-03	8.22E-02
3379	493363.09	3848377.25	0.01472	0.01099	0.00985	0.01001	0.01729	0.00996	0.0111	0.01099	7.06E-02	4.68E-04	2.36E-08	2.43E-04	3.73E-03	6.44E-04	1.82E-03	1.72E-03	7.58E-02
3380	493863.09	3848377.25	0.01355	0.01081	0.00868	0.01017	0.02177	0.01218	0.011	0.01081	6.50E-02	4.60E-04	2.08E-08	2.46E-04	4.70E-03	7.88E-04	1.79E-03	1.69E-03	7.13E-02
3381	494363.09	3848377.25	0.01405	0.01062	0.00759	0.01065	0.02457	0.01172	0.0107	0.01062	6.74E-02	4.52E-04	1.82E-08	2.58E-04	5.30E-03	7.58E-04	1.75E-03	1.66E-03	7.43E-02
3382	494863.09	3848377.25	0.0145	0.01053	0.008	0.01035	0.03546	0.01298	0.0107	0.01053	6.96E-02	4.48E-04	1.92E-08	2.51E-04	7.65E-03	8.40E-04	1.74E-03	1.65E-03	7.89E-02
3383	495363.09	3848377.25	0.0147	0.00985	0.00916	0.00936	0.03047	0.01395	0.0106	0.00985	7.05E-02	4.19E-04	2.20E-08	2.27E-04	6.57E-03	9.03E-04	1.73E-03	1.54E-03	7.88E-02
3384	495863.09	3848377.25	0.01709	0.00985	0.00894	0.00922	0.02946	0.01243	0.0106	0.00985	8.20E-02	4.19E-04	2.14E-08	2.23E-04	6.35E-03	8.04E-04	1.73E-03	1.54E-03	9.00E-02
3385	496363.09	3848377.25	0.01762	0.00994	0.01004	0.01205	0.02376	0.01081	0.0107	0.00994	8.46E-02	4.23E-04	2.41E-08	2.92E-04	5.12E-03	6.99E-04	1.74E-03	1.56E-03	9.13E-02
3386	496863.09	3848377.25	0.01655	0.00988	0.0096	0.01253	0.02589	0.01125	0.0104	0.00988	7.94E-02	4.20E-04	2.30E-08	3.04E-04	5.58E-03	7.28E-04	1.69E-03	1.55E-03	8.66E-02
3387	497363.09	3848377.25	0.01344	0.00994	0.01044	0.01459	0.02581	0.01137	0.0104	0.00994	6.45E-02	4.23E-04	2.50E-08	3.53E-04	5.57E-03	7.36E-04	1.69E-03	1.56E-03	7.17E-02
3388	497863.09	3848377.25	0.02228	0.01184	0.01217	0.01628	0.02715	0.01178	0.012	0.01184	1.07E-01	5.04E-04	2.92E-08	3.94E-04	5.86E-03	7.62E-04	1.96E-03	1.85E-03	1.15E-01
3389	498363.09	3848377.25	0.02294	0.01232	0.01197	0.01554	0.02101	0.0108	0.0126	0.01232	1.10E-01	5.24E-04	2.87E-08	3.76E-04	4.53E-03	6.99E-04	2.05E-03	1.93E-03	1.16E-01
3390	471363.09	3848877.25	0.03715	0.10119	0.01848	0.02571	0.02778	0.02505	0.1026	0.10119	1.78E-01	4.31E-03	4.43E-08	6.23E-04	5.99E-03	1.62E-03	1.68E-02	1.59E-02	1.92E-01
3391	471863.09	3848877.25	0.03995	0.11067	0.02378	0.02678	0.02991	0.02315	0.1115	0.11067	1.92E-01	4.71E-03	5.70E-08	6.49E-04	6.45E-03	1.50E-03	1.82E-02	1.73E-02	2.06E-01
3392	472363.09	3848877.25	0.04393	0.11911	0.02259	0.02224	0.03113	0.02545	0.1203	0.11911	2.11E-01	5.07E-03	5.42E-08	5.39E-04	6.71E-03	1.65E-03	1.96E-02	1.87E-02	2.26E-01
3393	472863.09	3848877.25	0.04314	0.13201	0.0184	0.02813	0.03116	0.02959	0.1332	0.13201	2.07E-01	5.62E-03	4.41E-08	6.82E-04	6.72E-03	1.91E-03	2.17E-02	2.07E-02	2.23E-01
3394	473363.09	3848877.25	0.04728	0.14889	0.0143	0.02566	0.04337	0.02726	0.1496	0.14889	2.27E-01	6.34E-03	3.43E-08	6.22E-04	9.35E-03	1.76E-03	2.44E-02	2.33E-02	2.46E-01
3395	473863.09	3848877.25	0.04928	0.18204	0.01414	0.02883	0.04138	0.02742	0.1836	0.18204	2.36E-01	7.75E-03	3.39E-08	6.98E-04	8.92E-03	1.77E-03	3.00E-02	2.85E-02	2.57E-01
3396	474363.09	3848877.25	0.05866	0.24708	0.01218	0.02621	0.04372	0.02455	0.2484	0.24708	2.82E-01	1.05E-02	2.92E-08	6.35E-04	9.43E-03	1.59E-03	4.05E-02	3.87E-02	3.06E-01
3397	474863.09	3848877.25	0.08945	0.58244	0.01479	0.02018	0.02735	0.02017	0.5875	0.58244	4.29E-01	2.48E-02	3.55E-08	4.89E-04	5.90E-03	1.31E-03	9.59E-02	9.12E-02	4.66E-01
3398	475363.09	3848877.25	0.06547	0.52494	0.01243	0.01531	0.01992	0.02087	0.5305	0.52494	3.14E-01	2.23E-02	2.98E-08	3.71E-04	4.30E-03	1.35E-03	8.66E-02	8.22E-02	3.47E-01
3399	475863.09	3848877.25	0.04867	0.26762	0.01544	0.01671	0.01973	0.02259	0.2702	0.26762	2.34E-01	1.14E-02	3.70E-08	4.05E-04	4.26E-03	1.46E-03	4.41E-02	4.19E-02	2.53E-01
3400	476363.09	3848877.25	0.04637	0.20084	0.01759	0.02005	0.02386	0.0198	0.2032	0.20084	2.23E-01	8.55E-03	4.22E-08	4.86E-04	5.15E-03	1.28E-03	3.32E-02	3.15E-02	2.40E-01
3401	476863.09	3848877.25	0.04881	0.1633	0.01864	0.0221	0.02545	0.02026	0.1652	0.1633	2.34E-01	6.95E-03	4.47E-08	5.35E-04	5.49E-03	1.31E-03	2.70E-02	2.56E-02	2.50E-01
3402	477363.09	3848877.25	0.0457	0.16789	0.01718	0.02266	0.03436	0.01973	0.1734	0.16789	2.19E-01	7.14E-03	4.12E-08	5.49E-04	7.41E-03	1.28E-03	2.83E-02	2.63E-02	2.38E-01
3403	477863.09	3848877.25	0.04494	0.14995	0.01695	0.01993	0.03519	0.02383	0.1512	0.14995	2.16E-01	6.38E-03	4.07E-08	4.83E-04	7.59E-03	1.54E-03	2.47E-02	2.35E-02	2.33E-01
3404	478363.09	3848877.25	0.0351	0.13335	0.01899	0.01886	0.03619	0.01863	0.1344	0.13335	1.68E-01	5.67E-03	4.55E-08	4.57E-04	7.81E-03	1.21E-03	2.19E-02	2.09E-02	1.85E-01
3405	478863.09	3848877.25	0.03457	0.10848	0.01766	0.01913	0.03048	0.01853	0.1093	0.10848	1.66E-01	4.62E-03	4.24E-08	4.63E-04	6.57E-03	1.20E-03	1.78E-02	1.70E-02	1.80E-01
3406	479363.09	3848877.25	0.03815	0.08285	0.01843	0.01639	0.0312	0.0186	0.0836	0.08285	1.83E-01	3.53E-03	4.42E-08	3.97E-04	6.73E-03	1.20E-03	1.36E-02	1.30E-02	1.96E-01
3407	479863.09	3848877.25	0.04775	0.06114	0.01587	0.01905	0.02856	0.01902	0.0623	0.06114	2.29E-01	2.60E-03	3.81E-08	4.62E-04	6.16E-03	1.23E-03	1.02E-02	9.58E-03	2.40E-01
3408	480363.09	3848877.25	0.041	0.05796	0.01472	0.01789	0.03454	0.01821	0.0586	0.05796	1.97E-01	2.47E-03	3.53E-08	4.33E-04	7.45E-03	1.18E-03	9.56E-03	9.08E-03	2.09E-01
3409	480863.09	3848877.25	0.04962	0.05376	0.01753	0.02249	0.03377	0.01985	0.0555	0.05376	2.38E-01	2.29E-03	4.20E-08	5.45E-04	7.28E-03	1.28E-03	9.06E-03	8.42E-03	2.50E-01
3410	481363.09	3848877.25	0.057	0.04801	0.01772	0.02106	0.03216	0.02441	0.0509	0.04801	2.74E-01	2.04E-03	4.25E-08	5.10E-04	6.94E-03	1.58E-03	8.30E-03	7.52E-03	2.85E-01
3411	481863.09	3848877.25	0.07424	0.04165	0.02266	0.02053	0.02532	0.01957	0.042	0.04165	3.56E-01	1.77E-03	5.43E-08	4.97E-04	5.46E-03	1.27E-03	6.86E-03	6.52E-03	3.66E-01
3412	482363.09	3848877.25	0.0432	0.03408	0.01872	0.01667	0.02557	0.01476	0.0354	0.03408	2.07E-01	1.45E-03	4.49E-08	4.04E-04	5.51E-03	9.55E-04	5.78E-03	5.34E-03	2.16E-01
3413	482863.09	3848877.25	0.03415	0.0293	0.01864	0.01568	0.03492	0.01546	0.03	0.0293	1.64E-01	1.25E-03	4.47E-08	3.80E-04	7.53E-03	1.00E-03	4.89E-03	4.59E-03	1.74E-01
3414	483363.09	3848877.25	0.02484	0.02647	0.01425	0.01472	0.02769	0.01725	0.0262	0.02647	1.19E-01	1.13E-03	3.42E-08	3.57E-04	5.97E-03	1.12E-03	4.27E-03	4.15E-03	1.28E-01
3415	483863.09	3848877.25	0.02702	0.02447	0.01678	0.01512	0.02978	0.01611	0.0244	0.02447	1.30E-01	1.04E-03	4.02E-08	3.66E-04	6.42E-03	1.04E-03	3.99E-03	3.83E-03	1.39E-01
3416	484363.09	3848877.25	0.0357	0.02714	0.01989	0.01641	0.03251	0.0161	0.0278	0.02714	1.71E-01	1.15E-03	4.77E-08	3.98E-04	7.01E-03	1.04E-03	4.53E-03	4.25E-03	1.81E-01

3417	484863.09	3848877.25	0.03969	0.02919	0.02779	0.01798	0.05391	0.01883	0.0294	0.02919	1.90E-01	1.24E-03	6.66E-08	4.36E-04	1.16E-02	1.22E-03	4.80E-03	4.57E-03	2.05E-01
3418	485363.09	3848877.25	0.03376	0.02789	0.01621	0.01811	0.06235	0.01684	0.0283	0.02789	1.62E-01	1.19E-03	3.89E-08	4.39E-04	1.34E-02	1.09E-03	4.62E-03	4.37E-03	1.78E-01
3419	485863.09	3848877.25	0.02816	0.02718	0.01635	0.02035	0.05719	0.01491	0.0277	0.02718	1.35E-01	1.16E-03	3.92E-08	4.93E-04	1.23E-02	9.65E-04	4.52E-03	4.26E-03	1.50E-01
3420	486363.09	3848877.25	0.02889	0.02309	0.02059	0.01886	0.02669	0.01404	0.0233	0.02309	1.39E-01	9.82E-04	4.94E-08	4.57E-04	5.76E-03	9.08E-04	3.81E-03	3.62E-03	1.47E-01
3421	486863.09	3848877.25	0.0285	0.02135	0.01828	0.01655	0.03084	0.01374	0.0218	0.02135	1.37E-01	9.08E-04	4.38E-08	4.01E-04	6.65E-03	8.89E-04	3.56E-03	3.34E-03	1.46E-01
3422	487363.09	3848877.25	0.02771	0.02072	0.01552	0.01595	0.0269	0.01445	0.0213	0.02072	1.33E-01	8.82E-04	3.72E-08	3.86E-04	5.80E-03	9.35E-04	3.47E-03	3.25E-03	1.41E-01
3423	487863.09	3848877.25	0.02733	0.01984	0.01822	0.01555	0.02922	0.01362	0.02	0.01984	1.31E-01	8.44E-04	4.37E-08	3.77E-04	6.30E-03	8.81E-04	3.27E-03	3.11E-03	1.40E-01
3424	488363.09	3848877.25	0.02702	0.01936	0.01466	0.01511	0.02749	0.01407	0.0196	0.01936	1.30E-01	8.24E-04	3.52E-08	3.66E-04	5.93E-03	9.10E-04	3.20E-03	3.03E-03	1.38E-01
3425	488863.09	3848877.25	0.02377	0.01788	0.01659	0.01434	0.04236	0.01489	0.0181	0.01788	1.14E-01	7.61E-04	3.98E-08	3.47E-04	9.14E-03	9.63E-04	2.96E-03	2.80E-03	1.25E-01
3426	489363.09	3848877.25	0.02498	0.01788	0.01567	0.01485	0.03018	0.01437	0.018	0.01788	1.20E-01	7.61E-04	3.76E-08	3.60E-04	6.51E-03	9.30E-04	2.94E-03	2.80E-03	1.29E-01
3427	489863.09	3848877.25	0.02599	0.01787	0.01847	0.01386	0.02859	0.01482	0.0182	0.01787	1.25E-01	7.60E-04	4.43E-08	3.36E-04	6.17E-03	9.59E-04	2.97E-03	2.80E-03	1.33E-01
3428	490363.09	3848877.25	0.02668	0.01646	0.01493	0.01242	0.03482	0.01242	0.0171	0.01646	1.28E-01	7.00E-04	3.58E-08	3.01E-04	7.51E-03	8.04E-04	2.79E-03	2.58E-03	1.38E-01
3429	490863.09	3848877.25	0.02579	0.01504	0.01204	0.01825	0.05196	0.01247	0.0159	0.01504	1.24E-01	6.40E-04	2.89E-08	4.42E-04	1.12E-02	8.07E-04	2.60E-03	2.36E-03	1.37E-01
3430	491363.09	3848877.25	0.02452	0.01407	0.01328	0.01923	0.02525	0.01291	0.0143	0.01407	1.18E-01	5.99E-04	3.18E-08	4.66E-04	5.45E-03	8.35E-04	2.33E-03	2.20E-03	1.25E-01
3431	491863.09	3848877.25	0.01897	0.01259	0.00996	0.01419	0.02605	0.01194	0.013	0.01259	9.10E-02	5.36E-04	2.39E-08	3.44E-04	5.62E-03	7.73E-04	2.12E-03	1.97E-03	9.84E-02
3432	492363.09	3848877.25	0.01778	0.0114	0.0126	0.01202	0.02378	0.0114	0.0115	0.0114	8.53E-02	4.85E-04	3.02E-08	2.91E-04	5.13E-03	7.38E-04	1.88E-03	1.79E-03	9.21E-02
3433	492863.09	3848877.25	0.01504	0.01112	0.00969	0.01065	0.01882	0.00963	0.0112	0.01112	7.22E-02	4.73E-04	2.32E-08	2.58E-04	4.06E-03	6.23E-04	1.83E-03	1.74E-03	7.77E-02
3434	493363.09	3848877.25	0.01391	0.01053	0.00898	0.01254	0.01596	0.01188	0.0106	0.01053	6.68E-02	4.48E-04	2.15E-08	3.04E-04	3.44E-03	7.69E-04	1.73E-03	1.65E-03	7.18E-02
3435	493863.09	3848877.25	0.01455	0.01078	0.0089	0.01047	0.02347	0.01245	0.0109	0.01078	6.98E-02	4.59E-04	2.13E-08	2.54E-04	5.06E-03	8.06E-04	1.78E-03	1.69E-03	7.65E-02
3436	494363.09	3848877.25	0.01518	0.01007	0.00881	0.01122	0.03126	0.01143	0.0107	0.01007	7.28E-02	4.28E-04	2.11E-08	2.72E-04	6.74E-03	7.40E-04	1.74E-03	1.58E-03	8.12E-02
3437	494863.09	3848877.25	0.01694	0.01035	0.00972	0.01298	0.03324	0.013	0.0109	0.01035	8.13E-02	4.40E-04	2.33E-08	3.14E-04	7.17E-03	8.41E-04	1.77E-03	1.62E-03	9.02E-02
3438	495363.09	3848877.25	0.01781	0.01012	0.00997	0.01086	0.03174	0.01418	0.0111	0.01012	8.55E-02	4.31E-04	2.39E-08	2.63E-04	6.85E-03	9.17E-04	1.81E-03	1.59E-03	9.41E-02
3439	495863.09	3848877.25	0.01456	0.00986	0.00971	0.00871	0.02409	0.01215	0.0108	0.00986	6.99E-02	4.20E-04	2.33E-08	2.11E-04	5.20E-03	7.86E-04	1.76E-03	1.54E-03	7.67E-02
3440	496363.09	3848877.25	0.01445	0.00973	0.01001	0.01057	0.02385	0.0114	0.0106	0.00973	6.93E-02	4.14E-04	2.40E-08	2.56E-04	5.14E-03	7.38E-04	1.74E-03	1.52E-03	7.61E-02
3441	496863.09	3848877.25	0.01474	0.00998	0.01095	0.01379	0.02431	0.01181	0.0111	0.00998	7.07E-02	4.25E-04	2.63E-08	3.34E-04	5.24E-03	7.64E-04	1.81E-03	1.56E-03	7.77E-02
3442	497363.09	3848877.25	0.01834	0.01039	0.0122	0.01495	0.02558	0.01107	0.0112	0.01039	8.80E-02	4.42E-04	2.93E-08	3.62E-04	5.52E-03	7.16E-04	1.82E-03	1.63E-03	9.52E-02
3443	497863.09	3848877.25	0.02342	0.01152	0.01385	0.01575	0.02177	0.01216	0.0117	0.01152	1.12E-01	4.90E-04	3.32E-08	3.82E-04	4.70E-03	7.87E-04	1.91E-03	1.80E-03	1.19E-01
3444	498363.09	3848877.25	0.02284	0.01247	0.01426	0.01695	0.02292	0.01068	0.0128	0.01247	1.10E-01	5.31E-04	3.42E-08	4.11E-04	4.94E-03	6.91E-04	2.09E-03	1.95E-03	1.16E-01
3445	471363.09	3849377.25	0.03589	0.07413	0.0277	0.03028	0.02675	0.0285	0.0745	0.07413	1.72E-01	3.15E-03	6.64E-08	7.34E-04	5.77E-03	1.84E-03	1.22E-02	1.16E-02	1.84E-01
3446	471863.09	3849377.25	0.03449	0.08609	0.02412	0.02787	0.03396	0.02896	0.0863	0.08609	1.66E-01	3.66E-03	5.78E-08	6.75E-04	7.32E-03	1.87E-03	1.41E-02	1.35E-02	1.80E-01
3447	472363.09	3849377.25	0.03441	0.09723	0.01958	0.02709	0.02934	0.02721	0.0986	0.09723	1.65E-01	4.14E-03	4.70E-08	6.56E-04	6.33E-03	1.76E-03	1.61E-02	1.52E-02	1.79E-01
3448	472863.09	3849377.25	0.03637	0.10801	0.02477	0.02799	0.03157	0.02412	0.1091	0.10801	1.75E-01	4.60E-03	5.94E-08	6.78E-04	6.81E-03	1.56E-03	1.78E-02	1.69E-02	1.89E-01
3449	473363.09	3849377.25	0.04207	0.12509	0.02314	0.02529	0.03274	0.02907	0.1263	0.12509	2.02E-01	5.32E-03	5.55E-08	6.13E-04	7.06E-03	1.88E-03	2.06E-02	1.96E-02	2.18E-01
3450	473863.09	3849377.25	0.04729	0.15172	0.01839	0.02937	0.03607	0.02967	0.1532	0.15172	2.27E-01	6.46E-03	4.41E-08	7.12E-04	7.78E-03	1.92E-03	2.50E-02	2.38E-02	2.45E-01
3451	474363.09	3849377.25	0.04946	0.17741	0.01499	0.02695	0.04805	0.02866	0.1823	0.17741	2.37E-01	7.55E-03	3.60E-08	6.53E-04	1.04E-02	1.85E-03	2.98E-02	2.78E-02	2.60E-01
3452	474863.09	3849377.25	0.0505	0.22626	0.0149	0.02973	0.04765	0.02723	0.2282	0.22626	2.42E-01	9.63E-03	3.57E-08	7.20E-04	1.03E-02	1.76E-03	3.72E-02	3.54E-02	2.67E-01
3453	475363.09	3849377.25	0.05352	0.31693	0.01398	0.02579	0.04024	0.02379	0.3167	0.31693	2.57E-01	1.35E-02	3.35E-08	6.25E-04	8.68E-03	1.54E-03	5.17E-02	4.96E-02	2.83E-01
3454	475863.09	3849377.25	0.08261	0.41763	0.01535	0.01988	0.02475	0.02188	0.4198	0.41763	3.96E-01	1.78E-02	3.68E-08	4.82E-04	5.34E-03	1.42E-03	6.85E-02	6.54E-02	4.25E-01
3455	476363.09	3849377.25	0.09998	0.60019	0.01637	0.01681	0.02025	0.02383	0.6033	0.60019	4.80E-01	2.55E-02	3.93E-08	4.07E-04	4.37E-03	1.54E-03	9.85E-02	9.40E-02	5.16E-01
3456	476863.09	3849377.25	0.07495	0.86053	0.01851	0.02085	0.02317	0.02103	0.872	0.86053	3.60E-01	3.66E-02	4.44E-08	5.05E-04	5.00E-03	1.36E-03	1.42E-01	1.35E-01	4.11E-01
3457	477363.09	3849377.25	0.05411	0.36277	0.0198	0.02044	0.02794	0.02132	0.3658	0.36277	2.60E-01	1.54E-02	4.75E-08	4.95E-04	6.03E-03	1.38E-03	5.97E-02	5.68E-02	2.86E-01
3458	477863.09	3849377.25	0.04977	0.23328	0.01802	0.02559	0.03566	0.02171	0.2351	0.23328	2.39E-01	9.93E-03	4.32E-08	6.20E-04	7.69E-03	1.40E-03	3.84E-02	3.65E-02	2.60E-01
3459	478363.09	3849377.25	0.04721	0.18121	0.01847	0.02096	0.0364	0.02437	0.1826	0.18121	2.27E-01	7.71E-03	4.43E-08	5.08E-04	7.85E-03	1.58E-03	2.98E-02	2.84E-02	2.46E-01
3460	478863.09	3849377.25	0.03836	0.15036	0.01979	0.01965	0.04167	0.02197	0.1517	0.15036	1.84E-01	6.40E-03	4.75E-08	4.76E-04	8.99E-03	1.42E-03	2.48E-02	2.36E-02	2.03E-01
3461	479363.09	3849377.25	0.04658	0.12026	0.01863	0.02037	0.0317	0.01931	0.1334	0.12026	2.24E-01	5.12E-03	4.47E-08	4.94E-04	6.84E-03	1.25E-03	2.18E-02	1.88E-02	2.40E-01
3462	479863.09	3849377.25	0.05073	0.09395	0.01956	0.01869	0.03261	0.02016	0.0948	0.09395	2.43E-01	4.00E-03	4.69E-08	4.53E-04	7.03E-03	1.30E-03	1.55E-02	1.47E-02	2.57E-01
3463	480363.09	3849377.25	0.06295	0.09245	0.01656	0.02043	0.03483	0.02513	0.0932	0.09245	3.02E-01	3.93E-03	3.97E-08	4.95E-04	7.51E-03	1.63E-03	1.52E-02	1.45E-02	3.16E-01
3464	480863.09	3849377.25	0.05514	0.07809	0.01623	0.02146	0.03468	0.02582	0.079	0.07809	2.65E-01	3.32E-03	3.89E-08	5.20E-04	7.48E-03	1.67E-03	1.29E-02	1.22E-02	2.78E-01
3465	481363.09	3849377.25	0.06126	0.06447	0.0194	0.02343	0.03421	0.02459	0.0617	0.06447	2.94E-01	2.74E-03	4.65E-08	5.68E-04	7.38E-03	1.59E-03	1.01E-02	1.01E-02	3.06E-01
3466	481863.09	3849377.25	0.05758	0.04001	0.02292	0.01978	0.03101	0.01637	0.0419	0.04001	2.76E-01	1.70E-03	5.50E-08	4.79E-04	6.69E-03	1.06E-03	6.83E-03	6.27E-03	2.87E-01
3467	482363.09	3849377.25	0.04763	0.03703	0.01686	0.01545	0.0241	0.01485	0.0376	0.03703	2.29E-01	1.58E-03	4.04E-08	3.74E-04	5.20E-03	9.61E-04	6.13E-03	5.80E-03	2.37E-01
3468	482863.09	3849377.25	0.02839	0.02831	0.01746	0.01604	0.02603	0.01612	0.0296	0.02831	1.36E-01	1.20E-03	4.19E-08	3.89E-04	5.61E-03	1.04E-03	4.84E-03	4.43E-03	1.45E-01
3469	483363.09	3849377.25	0.02967	0.02675	0.01485	0.01561	0.02236	0.01736	0.027	0.02675	1.42E-01	1.14E-03	3.56E-08	3.78E-04	4.82E-03	1.12E-03	4.41E-03	4.19E-03	1.50E-01
3470	483863.09	3849377.25	0.02569	0.02286	0.01671	0.01527	0.0349	0.01577	0.0231	0.02286	1.23E-01	9.73E-04	4.01E-08	3.70E-04	7.53E-03	1.02E-03	3.77E-03	3.58E-03	1.33E-01
3471	484363.09	3849377.25	0.0381	0.03126	0.02026	0.0168	0.03283	0.02127	0.0323	0.03126	1.83E-01	1.33E-03	4.86E-08	4.07E-04	7.08E-03	1.38E-03	5.27E-03	4.90E-03	1.93E-01
3472	484863.09	3849377.25	0.04834	0.03441	0.02455	0.02045	0.04495	0.01898	0.0347	0.03441	2.32E-01	1.46E-03	5.89E-08	4.95E-04	9.69E-03	1.23E-03	5.66E-03	5.39E-03	2.45E-01
3473	485363.09	3849377.25	0.03679	0.03301	0.01997	0.02338	0.06734	0.01834	0.0333	0.03301	1.77E-01	1.40E-03	4.79E-08	5.66E-04	1.45E-02	1.19E-03	5.43E-03	5.17E-03	1.94E-01

3474	485863.09	3849377.25	0.03049	0.02605	0.01519	0.02109	0.05924	0.01525	0.0272	0.02605	1.46E-01	1.11E-03	3.64E-08	5.11E-04	1.28E-02	9.87E-04	4.45E-03	4.08E-03	1.62E-01
3475	486363.09	3849377.25	0.02703	0.0222	0.0238	0.01908	0.03092	0.01313	0.0229	0.0222	1.30E-01	9.45E-04	5.71E-08	4.62E-04	6.67E-03	8.50E-04	3.73E-03	3.48E-03	1.39E-01
3476	486863.09	3849377.25	0.03023	0.02381	0.01916	0.01773	0.03225	0.01502	0.0242	0.02381	1.45E-01	1.01E-03	4.60E-08	4.30E-04	6.96E-03	9.72E-04	3.95E-03	3.73E-03	1.55E-01
3477	487363.09	3849377.25	0.02912	0.02362	0.02187	0.01688	0.02818	0.01526	0.0239	0.02362	1.40E-01	1.00E-03	5.25E-08	4.09E-04	6.08E-03	9.87E-04	3.91E-03	3.70E-03	1.48E-01
3478	487863.09	3849377.25	0.02757	0.02279	0.01857	0.01663	0.03949	0.01553	0.0235	0.02279	1.32E-01	9.70E-04	4.45E-08	4.03E-04	8.52E-03	1.00E-03	3.84E-03	3.57E-03	1.43E-01
3479	488363.09	3849377.25	0.02915	0.02215	0.01905	0.01561	0.03168	0.01686	0.0227	0.02215	1.40E-01	9.42E-04	4.57E-08	3.78E-04	6.83E-03	1.09E-03	3.71E-03	3.47E-03	1.49E-01
3480	488863.09	3849377.25	0.02476	0.02094	0.01639	0.0159	0.04062	0.01602	0.0218	0.02094	1.19E-01	8.91E-04	3.93E-08	3.85E-04	8.76E-03	1.04E-03	3.55E-03	3.28E-03	1.30E-01
3481	489363.09	3849377.25	0.02609	0.02012	0.01814	0.01546	0.04681	0.01529	0.0205	0.02012	1.25E-01	8.56E-04	4.35E-08	3.75E-04	1.01E-02	9.89E-04	3.34E-03	3.15E-03	1.38E-01
3482	489863.09	3849377.25	0.02765	0.01906	0.01944	0.01407	0.04353	0.01629	0.0192	0.01906	1.33E-01	8.11E-04	4.66E-08	3.41E-04	9.39E-03	1.05E-03	3.14E-03	2.99E-03	1.44E-01
3483	490363.09	3849377.25	0.02587	0.01732	0.0153	0.01269	0.04766	0.01298	0.0175	0.01732	1.24E-01	7.37E-04	3.67E-08	3.07E-04	1.03E-02	8.40E-04	2.86E-03	2.71E-03	1.36E-01
3484	490863.09	3849377.25	0.02583	0.01628	0.01453	0.01876	0.05031	0.01345	0.0165	0.01628	1.24E-01	6.93E-04	3.48E-08	4.54E-04	1.09E-02	8.70E-04	2.69E-03	2.55E-03	1.37E-01
3485	491363.09	3849377.25	0.02556	0.01466	0.01183	0.01959	0.03003	0.0133	0.0151	0.01466	1.23E-01	6.24E-04	2.84E-08	4.75E-04	6.48E-03	8.61E-04	2.46E-03	2.30E-03	1.31E-01
3486	491863.09	3849377.25	0.02016	0.01311	0.0127	0.01523	0.0301	0.01289	0.0134	0.01311	9.67E-02	5.58E-04	3.05E-08	3.69E-04	6.49E-03	8.34E-04	2.19E-03	2.05E-03	1.05E-01
3487	492363.09	3849377.25	0.01733	0.01216	0.01243	0.01274	0.02331	0.01163	0.0123	0.01216	8.32E-02	5.17E-04	2.98E-08	3.09E-04	5.03E-03	7.52E-04	2.01E-03	1.90E-03	8.99E-02
3488	492863.09	3849377.25	0.01496	0.01049	0.00919	0.01103	0.02012	0.0138	0.011	0.01049	7.18E-02	4.46E-04	2.20E-08	2.67E-04	4.34E-03	8.93E-04	1.79E-03	1.64E-03	7.79E-02
3489	493363.09	3849377.25	0.01569	0.01021	0.0091	0.01302	0.02506	0.01321	0.011	0.01021	7.53E-02	4.34E-04	2.18E-08	3.15E-04	5.40E-03	8.55E-04	1.80E-03	1.60E-03	8.25E-02
3490	493863.09	3849377.25	0.01644	0.01017	0.01013	0.01337	0.03126	0.01217	0.0111	0.01017	7.89E-02	4.33E-04	2.43E-08	3.24E-04	6.74E-03	7.87E-04	1.80E-03	1.59E-03	8.74E-02
3491	494363.09	3849377.25	0.0176	0.01018	0.01043	0.01351	0.03631	0.01121	0.0113	0.01018	8.45E-02	4.33E-04	2.50E-08	3.27E-04	7.83E-03	7.25E-04	1.84E-03	1.59E-03	9.40E-02
3492	494863.09	3849377.25	0.01859	0.01018	0.01133	0.0122	0.03756	0.01319	0.0114	0.01018	8.92E-02	4.33E-04	2.72E-08	2.96E-04	8.10E-03	8.53E-04	1.86E-03	1.59E-03	9.92E-02
3493	495363.09	3849377.25	0.01922	0.01017	0.0122	0.0132	0.042	0.0133	0.0115	0.01017	9.22E-02	4.33E-04	2.93E-08	3.20E-04	9.06E-03	8.61E-04	1.88E-03	1.59E-03	1.03E-01
3494	495863.09	3849377.25	0.01516	0.00993	0.01016	0.00955	0.02489	0.01203	0.0105	0.00993	7.28E-02	4.23E-04	2.44E-08	2.31E-04	5.37E-03	7.78E-04	1.72E-03	1.56E-03	7.97E-02
3495	496363.09	3849377.25	0.01494	0.00988	0.00946	0.01402	0.02388	0.01137	0.01	0.00988	7.17E-02	4.20E-04	2.27E-08	3.40E-04	5.15E-03	7.36E-04	1.63E-03	1.55E-03	7.84E-02
3496	496863.09	3849377.25	0.01784	0.01009	0.01213	0.01517	0.02531	0.01076	0.0109	0.01009	8.56E-02	4.29E-04	2.91E-08	3.68E-04	5.46E-03	6.96E-04	1.77E-03	1.58E-03	9.28E-02
3497	497363.09	3849377.25	0.01905	0.0101	0.01397	0.01486	0.02262	0.01121	0.0104	0.0101	9.14E-02	4.30E-04	3.35E-08	3.60E-04	4.88E-03	7.25E-04	1.70E-03	1.58E-03	9.79E-02
3498	497863.09	3849377.25	0.02696	0.01347	0.01705	0.01662	0.02689	0.01255	0.0145	0.01347	1.29E-01	5.73E-04	4.09E-08	4.03E-04	5.80E-03	8.12E-04	2.37E-03	2.11E-03	1.37E-01
3499	498363.09	3849377.25	0.0256	0.01264	0.0146	0.0192	0.02858	0.01085	0.0128	0.01264	1.23E-01	5.38E-04	3.50E-08	4.65E-04	6.16E-03	7.02E-04	2.08E-03	1.98E-03	1.31E-01
3500	471363.09	3849877.25	0.03362	0.06609	0.0259	0.03585	0.05527	0.03025	0.0665	0.06609	1.61E-01	2.81E-03	6.21E-08	8.69E-04	1.19E-02	1.96E-03	1.09E-02	1.04E-02	1.79E-01
3501	471863.09	3849877.25	0.03714	0.08866	0.03337	0.0351	0.05093	0.03017	0.09	0.08866	1.78E-01	3.77E-03	8.00E-08	8.50E-04	1.10E-02	1.95E-03	1.47E-02	1.39E-02	1.97E-01
3502	472363.09	3849877.25	0.04091	0.09369	0.03343	0.03593	0.03356	0.03019	0.0959	0.09369	1.96E-01	3.99E-03	8.02E-08	8.70E-04	7.24E-03	1.95E-03	1.57E-02	1.47E-02	2.11E-01
3503	472863.09	3849877.25	0.0367	0.10023	0.02635	0.03083	0.03556	0.03166	0.0973	0.10023	1.76E-01	4.26E-03	6.32E-08	7.47E-04	7.67E-03	2.05E-03	1.59E-02	1.57E-02	1.91E-01
3504	473363.09	3849877.25	0.03556	0.10846	0.02682	0.03082	0.03107	0.03014	0.1093	0.10846	1.71E-01	4.61E-03	6.43E-08	7.47E-04	6.70E-03	1.95E-03	1.78E-02	1.70E-02	1.86E-01
3505	473863.09	3849877.25	0.03951	0.11418	0.02885	0.03057	0.03343	0.02689	0.1157	0.11418	1.90E-01	4.86E-03	6.92E-08	7.41E-04	7.21E-03	1.74E-03	1.89E-02	1.79E-02	2.05E-01
3506	474363.09	3849877.25	0.04665	0.1276	0.02368	0.02844	0.03513	0.03036	0.129	0.1276	2.24E-01	5.43E-03	5.68E-08	6.89E-04	7.58E-03	1.96E-03	2.11E-02	2.00E-02	2.41E-01
3507	474863.09	3849877.25	0.04571	0.15793	0.01835	0.03116	0.05309	0.02969	0.1599	0.15793	2.19E-01	6.72E-03	4.40E-08	7.55E-04	1.15E-02	1.92E-03	2.61E-02	2.47E-02	2.42E-01
3508	475363.09	3849877.25	0.04547	0.18368	0.01711	0.03005	0.04939	0.02849	0.1854	0.18368	2.18E-01	7.82E-03	4.10E-08	7.28E-04	1.07E-02	1.84E-03	3.03E-02	2.88E-02	2.41E-01
3509	475863.09	3849877.25	0.04905	0.18834	0.01532	0.03046	0.05024	0.0319	0.1911	0.18834	2.35E-01	8.01E-03	3.67E-08	7.38E-04	1.08E-02	2.06E-03	3.12E-02	2.95E-02	2.59E-01
3510	476363.09	3849877.25	0.05195	0.22619	0.01837	0.02498	0.03591	0.02353	0.2283	0.22619	2.49E-01	9.62E-03	4.41E-08	6.05E-04	7.74E-03	1.52E-03	3.73E-02	3.54E-02	2.71E-01
3511	476863.09	3849877.25	0.06223	0.31549	0.01679	0.01924	0.02397	0.02508	0.3185	0.31549	2.99E-01	1.34E-02	4.03E-08	4.66E-04	5.17E-03	1.62E-03	5.20E-02	4.94E-02	3.22E-01
3512	477363.09	3849877.25	0.09142	0.5393	0.01979	0.02088	0.02281	0.02514	0.5456	0.5393	4.39E-01	2.29E-02	4.75E-08	5.06E-04	4.92E-03	1.63E-03	8.91E-02	8.45E-02	4.73E-01
3513	477863.09	3849877.25	0.13916	0.88992	0.02114	0.02499	0.03297	0.02233	0.889	0.88992	6.68E-01	3.79E-02	5.07E-08	6.05E-04	7.11E-03	1.44E-03	1.45E-01	1.39E-01	7.21E-01
3514	478363.09	3849877.25	0.09484	0.36198	0.01919	0.02739	0.03692	0.02288	0.3641	0.36198	4.55E-01	1.54E-02	4.60E-08	6.64E-04	7.96E-03	1.48E-03	5.94E-02	5.67E-02	4.83E-01
3515	478863.09	3849877.25	0.07063	0.25449	0.02245	0.02206	0.04125	0.02496	0.2556	0.25449	3.39E-01	1.08E-02	5.38E-08	5.34E-04	8.90E-03	1.61E-03	4.17E-02	3.99E-02	3.63E-01
3516	479363.09	3849877.25	0.06135	0.17039	0.02058	0.02168	0.04339	0.025	0.1715	0.17039	2.94E-01	7.25E-03	4.94E-08	5.25E-04	9.36E-03	1.62E-03	2.80E-02	2.67E-02	3.14E-01
3517	479863.09	3849877.25	0.05704	0.14789	0.02014	0.02444	0.03309	0.02333	0.149	0.14789	2.74E-01	6.29E-03	4.83E-08	5.92E-04	7.14E-03	1.51E-03	2.43E-02	2.32E-02	2.90E-01
3518	480363.09	3849877.25	0.06363	0.1071	0.01867	0.0197	0.03422	0.02416	0.1065	0.1071	3.05E-01	4.56E-03	4.48E-08	4.77E-04	7.38E-03	1.56E-03	1.74E-02	1.68E-02	3.20E-01
3519	480863.09	3849877.25	0.06413	0.08584	0.01873	0.02188	0.03649	0.02479	0.0842	0.08584	3.08E-01	3.65E-03	4.49E-08	5.30E-04	7.87E-03	1.60E-03	1.38E-02	1.34E-02	3.22E-01
3520	481363.09	3849877.25	0.06092	0.07704	0.01988	0.02399	0.03585	0.02745	0.0779	0.07704	2.92E-01	3.28E-03	4.77E-08	5.81E-04	7.73E-03	1.78E-03	1.27E-02	1.21E-02	3.06E-01
3521	481863.09	3849877.25	0.05541	0.04497	0.02099	0.02062	0.03781	0.01674	0.0467	0.04497	2.66E-01	1.91E-03	5.03E-08	5.00E-04	8.15E-03	1.08E-03	7.63E-03	7.04E-03	2.78E-01
3522	482363.09	3849877.25	0.04728	0.03571	0.01826	0.01794	0.03008	0.01624	0.036	0.03571	2.27E-01	1.52E-03	4.38E-08	4.35E-04	6.49E-03	1.05E-03	5.88E-03	5.59E-03	2.37E-01
3523	482863.09	3849877.25	0.03007	0.03029	0.02117	0.01612	0.02589	0.01546	0.0306	0.03029	1.44E-01	1.29E-03	5.08E-08	3.91E-04	5.58E-03	1.00E-03	4.99E-03	4.74E-03	1.53E-01
3524	483363.09	3849877.25	0.03007	0.02523	0.01552	0.01625	0.02261	0.01649	0.0257	0.02523	1.44E-01	1.07E-03	3.72E-08	3.94E-04	4.88E-03	1.07E-03	4.19E-03	3.95E-03	1.52E-01
3525	483863.09	3849877.25	0.02613	0.02464	0.0175	0.01607	0.02821	0.0172	0.0249	0.02464	1.25E-01	1.05E-03	4.20E-08	3.89E-04	6.08E-03	1.11E-03	4.06E-03	3.86E-03	1.34E-01
3526	484363.09	3849877.25	0.03954	0.03222	0.02444	0.01724	0.04064	0.02425	0.033	0.03222	1.90E-01	1.37E-03	5.86E-08	4.18E-04	8.77E-03	1.57E-03	5.39E-03	5.05E-03	2.02E-01
3527	484863.09	3849877.25	0.05814	0.03879	0.0255	0.02694	0.04533	0.02432	0.0391	0.03879	2.79E-01	1.65E-03	6.12E-08	6.53E-04	9.78E-03	1.57E-03	6.39E-03	6.08E-03	2.93E-01
3528	485363.09	3849877.25	0.04345	0.03572	0.01794	0.02655	0.05956	0.02006	0.0364	0.03572	2.09E-01	1.52E-03	4.30E-08	6.43E-04	1.28E-02	1.30E-03	5.93E-03	5.60E-03	2.25E-01
3529	485863.09	3849877.25	0.03451	0.0307	0.01827	0.02247	0.07338	0.01615	0.0305	0.0307	1.66E-01	1.31E-03	4.38E-08	5.44E-04	1.58E-02	1.04E-03	4.98E-03	4.81E-03	1.85E-01
3530	486363.09	3849877.25	0.03328	0.02891	0.02731	0.02083	0.05327	0.01553	0.0292	0.02891	1.60E-01	1.23E-03	6.55E-08	5.05E-04	1.15E-02	1.00E-03	4.76E-03	4.53E-03	1.74E-01

3531	486863.09	3849877.25	0.03508	0.03058	0.02293	0.01964	0.03252	0.01564	0.0309	0.03058	1.68E-01	1.30E-03	5.50E-08	4.76E-04	7.01E-03	1.01E-03	5.04E-03	4.79E-03	1.78E-01
3532	487363.09	3849877.25	0.0357	0.02897	0.02378	0.01741	0.03076	0.01575	0.0293	0.02897	1.71E-01	1.23E-03	5.70E-08	4.22E-04	6.63E-03	1.02E-03	4.78E-03	4.54E-03	1.81E-01
3533	487863.09	3849877.25	0.03223	0.02845	0.02528	0.01715	0.04916	0.01608	0.0286	0.02845	1.55E-01	1.21E-03	6.06E-08	4.15E-04	1.06E-02	1.04E-03	4.67E-03	4.46E-03	1.68E-01
3534	488363.09	3849877.25	0.03044	0.02604	0.0185	0.01682	0.03599	0.01795	0.0267	0.02604	1.46E-01	1.11E-03	4.44E-08	4.07E-04	7.76E-03	1.16E-03	4.36E-03	4.08E-03	1.57E-01
3535	488863.09	3849877.25	0.02967	0.0248	0.01493	0.01771	0.03858	0.01622	0.026	0.0248	1.42E-01	1.06E-03	3.58E-08	4.29E-04	8.32E-03	1.05E-03	4.24E-03	3.88E-03	1.54E-01
3536	489363.09	3849877.25	0.03184	0.02296	0.01933	0.01692	0.04352	0.01554	0.0238	0.02296	1.53E-01	9.77E-04	4.64E-08	4.10E-04	9.39E-03	1.01E-03	3.89E-03	3.60E-03	1.65E-01
3537	489863.09	3849877.25	0.03094	0.02091	0.01992	0.01426	0.05326	0.01665	0.0213	0.02091	1.48E-01	8.90E-04	4.78E-08	3.45E-04	1.15E-02	1.08E-03	3.48E-03	3.28E-03	1.62E-01
3538	490363.09	3849877.25	0.02701	0.01968	0.01688	0.01409	0.06317	0.01638	0.02	0.01968	1.30E-01	8.37E-04	4.05E-08	3.41E-04	1.36E-02	1.06E-03	3.27E-03	3.08E-03	1.46E-01
3539	490863.09	3849877.25	0.02683	0.01822	0.01619	0.01889	0.04168	0.01538	0.0194	0.01822	1.29E-01	7.75E-04	3.88E-08	4.58E-04	8.99E-03	9.95E-04	3.17E-03	2.85E-03	1.40E-01
3540	491363.09	3849877.25	0.02799	0.01631	0.01281	0.01953	0.03603	0.0145	0.0172	0.01631	1.34E-01	6.94E-04	3.07E-08	4.73E-04	7.77E-03	9.38E-04	2.80E-03	2.55E-03	1.44E-01
3541	491863.09	3849877.25	0.02031	0.01436	0.01456	0.01679	0.0313	0.01375	0.0145	0.01436	9.75E-02	6.11E-04	3.49E-08	4.07E-04	6.75E-03	8.90E-04	2.37E-03	2.25E-03	1.06E-01
3542	492363.09	3849877.25	0.01882	0.01283	0.01123	0.01463	0.02143	0.01409	0.013	0.01283	9.03E-02	5.46E-04	2.69E-08	3.54E-04	4.62E-03	9.12E-04	2.11E-03	2.01E-03	9.69E-02
3543	492863.09	3849877.25	0.01627	0.01123	0.01195	0.01443	0.02513	0.01357	0.0117	0.01123	7.81E-02	4.78E-04	2.87E-08	3.50E-04	5.42E-03	8.78E-04	1.91E-03	1.76E-03	8.54E-02
3544	493363.09	3849877.25	0.01714	0.01064	0.01416	0.01378	0.03095	0.01362	0.0114	0.01064	8.23E-02	4.53E-04	3.40E-08	3.34E-04	6.68E-03	8.81E-04	1.86E-03	1.67E-03	9.08E-02
3545	493863.09	3849877.25	0.01827	0.01047	0.01137	0.01334	0.03975	0.01192	0.0115	0.01047	8.77E-02	4.45E-04	2.73E-08	3.23E-04	8.57E-03	7.71E-04	1.87E-03	1.64E-03	9.80E-02
3546	494363.09	3849877.25	0.01929	0.01066	0.0125	0.01618	0.03825	0.01274	0.0117	0.01066	9.26E-02	4.54E-04	3.00E-08	3.92E-04	8.25E-03	8.24E-04	1.91E-03	1.67E-03	1.03E-01
3547	494863.09	3849877.25	0.02269	0.0119	0.01366	0.01464	0.05026	0.01376	0.012	0.0119	1.09E-01	5.06E-04	3.28E-08	3.55E-04	1.08E-02	8.90E-04	1.95E-03	1.86E-03	1.22E-01
3548	495363.09	3849877.25	0.01948	0.01026	0.01375	0.01318	0.03492	0.01266	0.0114	0.01026	9.35E-02	4.37E-04	3.30E-08	3.19E-04	7.53E-03	8.19E-04	1.86E-03	1.61E-03	1.03E-01
3549	495863.09	3849877.25	0.02037	0.01153	0.01391	0.01454	0.03459	0.01259	0.0117	0.01153	9.78E-02	4.91E-04	3.34E-08	3.52E-04	7.46E-03	8.15E-04	1.90E-03	1.81E-03	1.07E-01
3550	496363.09	3849877.25	0.02431	0.01137	0.01506	0.01598	0.02499	0.01223	0.0116	0.01137	1.17E-01	4.84E-04	3.61E-08	3.87E-04	5.39E-03	7.91E-04	1.90E-03	1.78E-03	1.24E-01
3551	496863.09	3849877.25	0.02431	0.01168	0.01557	0.01649	0.02335	0.01215	0.0118	0.01168	1.17E-01	4.97E-04	3.73E-08	4.00E-04	5.04E-03	7.86E-04	1.92E-03	1.83E-03	1.23E-01
3552	497363.09	3849877.25	0.02717	0.01328	0.0173	0.01661	0.02856	0.01256	0.0133	0.01328	1.30E-01	5.65E-04	4.15E-08	4.02E-04	6.16E-03	8.13E-04	2.18E-03	2.08E-03	1.38E-01
3553	497863.09	3849877.25	0.02868	0.01489	0.01658	0.02206	0.03182	0.01341	0.0153	0.01489	1.38E-01	6.34E-04	3.98E-08	5.34E-04	6.86E-03	8.68E-04	2.50E-03	2.33E-03	1.47E-01
3554	498363.09	3849877.25	0.02756	0.01305	0.01559	0.01837	0.03097	0.01217	0.0132	0.01305	1.32E-01	5.55E-04	3.74E-08	4.45E-04	6.68E-03	7.87E-04	2.15E-03	2.04E-03	1.41E-01
3555	471363.09	3850377.25	0.0433	0.03441	0.01911	0.02752	0.05448	0.02431	0.0384	0.03441	2.08E-01	1.46E-03	4.58E-08	6.67E-04	1.17E-02	1.57E-03	6.26E-03	5.39E-03	2.24E-01
3556	471863.09	3850377.25	0.04469	0.05309	0.02029	0.03734	0.05728	0.03055	0.0548	0.05309	2.14E-01	2.26E-03	4.87E-08	9.05E-04	1.24E-02	1.98E-03	8.94E-03	8.32E-03	2.33E-01
3557	472363.09	3850377.25	0.04129	0.06289	0.03226	0.03886	0.05839	0.03302	0.0654	0.06289	1.98E-01	2.68E-03	7.74E-08	9.41E-04	1.26E-02	2.14E-03	1.07E-02	9.85E-03	2.17E-01
3558	472863.09	3850377.25	0.04246	0.08083	0.0361	0.03827	0.0583	0.03348	0.0813	0.08083	2.04E-01	3.44E-03	8.66E-08	9.27E-04	1.26E-02	2.17E-03	1.33E-02	1.27E-02	2.23E-01
3559	473363.09	3850377.25	0.04676	0.0854	0.04331	0.03797	0.03636	0.03208	0.0858	0.0854	2.24E-01	3.63E-03	1.04E-07	9.20E-04	7.84E-03	2.08E-03	1.40E-02	1.34E-02	2.39E-01
3560	473863.09	3850377.25	0.04071	0.0915	0.028	0.03548	0.03732	0.03454	0.0907	0.0915	1.95E-01	3.89E-03	6.72E-08	8.60E-04	8.05E-03	2.23E-03	1.48E-02	1.43E-02	2.11E-01
3561	474363.09	3850377.25	0.03776	0.09705	0.02833	0.03542	0.03334	0.03337	0.0976	0.09705	1.81E-01	4.13E-03	6.79E-08	8.58E-04	7.19E-03	2.16E-03	1.59E-02	1.52E-02	1.96E-01
3562	474863.09	3850377.25	0.04625	0.10282	0.03006	0.03264	0.03552	0.03075	0.1037	0.10282	2.22E-01	4.37E-03	7.21E-08	7.91E-04	7.66E-03	1.99E-03	1.69E-02	1.61E-02	2.38E-01
3563	475363.09	3850377.25	0.05132	0.11117	0.02417	0.03176	0.03666	0.03056	0.1123	0.11117	2.46E-01	4.73E-03	5.80E-08	7.69E-04	7.91E-03	1.98E-03	1.83E-02	1.74E-02	2.63E-01
3564	475863.09	3850377.25	0.04822	0.13297	0.01812	0.03401	0.0543	0.0332	0.1247	0.13297	2.31E-01	5.66E-03	4.35E-08	8.24E-04	1.17E-02	2.15E-03	2.03E-02	2.08E-02	2.51E-01
3565	476363.09	3850377.25	0.0548	0.14588	0.01695	0.03651	0.05049	0.03497	0.1479	0.14588	2.63E-01	6.21E-03	4.07E-08	8.85E-04	1.09E-02	2.26E-03	2.41E-02	2.29E-02	2.85E-01
3566	476863.09	3850377.25	0.0505	0.1776	0.02131	0.03113	0.04805	0.03329	0.1803	0.1776	2.42E-01	7.56E-03	5.11E-08	7.54E-04	1.04E-02	2.15E-03	2.94E-02	2.78E-02	2.65E-01
3567	477363.09	3850377.25	0.06008	0.21174	0.02715	0.02456	0.04037	0.03156	0.2155	0.21174	2.88E-01	9.01E-03	6.51E-08	5.95E-04	8.71E-03	2.04E-03	3.52E-02	3.32E-02	3.11E-01
3568	477863.09	3850377.25	0.07062	0.29028	0.02045	0.02139	0.02328	0.02653	0.2936	0.29028	3.39E-01	1.24E-02	4.90E-08	5.18E-04	5.02E-03	1.72E-03	4.79E-02	4.55E-02	3.61E-01
3569	478363.09	3850377.25	0.11601	0.55515	0.02306	0.02569	0.03282	0.02421	0.5641	0.55515	5.57E-01	2.36E-02	5.53E-08	6.22E-04	7.08E-03	1.57E-03	9.21E-02	8.70E-02	5.95E-01
3570	478863.09	3850377.25	0.18428	0.95899	0.0206	0.02927	0.03551	0.02755	0.9461	0.95899	8.84E-01	4.08E-02	4.94E-08	7.09E-04	7.66E-03	1.78E-03	1.54E-01	1.50E-01	9.40E-01
3571	479363.09	3850377.25	0.11166	0.37043	0.02348	0.02329	0.0446	0.02556	0.3703	0.37043	5.36E-01	1.58E-02	5.63E-08	5.64E-04	9.62E-03	1.65E-03	6.04E-02	5.80E-02	5.66E-01
3572	479863.09	3850377.25	0.07811	0.23632	0.02359	0.02308	0.04532	0.02837	0.2371	0.23632	3.75E-01	1.01E-02	5.66E-08	5.59E-04	9.77E-03	1.84E-03	3.87E-02	3.70E-02	3.99E-01
3573	480363.09	3850377.25	0.08598	0.16533	0.02303	0.02742	0.03457	0.0243	0.1664	0.16533	4.13E-01	7.03E-03	5.52E-08	6.64E-04	7.46E-03	1.57E-03	2.72E-02	2.59E-02	4.31E-01
3574	480863.09	3850377.25	0.0835	0.14379	0.0208	0.0207	0.04845	0.02792	0.1427	0.14379	4.01E-01	6.12E-03	4.99E-08	5.01E-04	1.04E-02	1.81E-03	2.33E-02	2.25E-02	4.20E-01
3575	481363.09	3850377.25	0.07929	0.08672	0.02054	0.02268	0.03836	0.02972	0.0862	0.08672	3.81E-01	3.69E-03	4.93E-08	5.49E-04	8.27E-03	1.92E-03	1.41E-02	1.36E-02	3.95E-01
3576	481863.09	3850377.25	0.09953	0.07899	0.02718	0.02676	0.03985	0.03077	0.0767	0.07899	4.78E-01	3.36E-03	6.52E-08	6.48E-04	8.59E-03	1.99E-03	1.25E-02	1.24E-02	4.92E-01
3577	482363.09	3850377.25	0.08817	0.06812	0.02518	0.02921	0.04224	0.03085	0.069	0.06812	4.23E-01	2.90E-03	6.04E-08	7.08E-04	9.11E-03	2.00E-03	1.13E-02	1.07E-02	4.38E-01
3578	482863.09	3850377.25	0.05924	0.0495	0.02211	0.0194	0.03006	0.01659	0.0516	0.0495	2.84E-01	2.11E-03	5.30E-08	4.70E-04	6.48E-03	1.07E-03	8.41E-03	7.75E-03	2.95E-01
3579	483363.09	3850377.25	0.03607	0.03704	0.02126	0.01709	0.03164	0.01931	0.0382	0.03704	1.73E-01	1.58E-03	5.10E-08	4.14E-04	6.82E-03	1.25E-03	6.23E-03	5.80E-03	1.84E-01
3580	483863.09	3850377.25	0.0383	0.04064	0.02052	0.01758	0.04292	0.02097	0.0411	0.04064	1.84E-01	1.73E-03	4.92E-08	4.26E-04	9.26E-03	1.36E-03	6.71E-03	6.37E-03	1.97E-01
3581	484363.09	3850377.25	0.05394	0.04527	0.02832	0.02106	0.04092	0.02589	0.0458	0.04527	2.59E-01	1.93E-03	6.79E-08	5.10E-04	8.83E-03	1.68E-03	7.48E-03	7.09E-03	2.72E-01
3582	484863.09	3850377.25	0.06532	0.04533	0.03109	0.02533	0.04021	0.0279	0.0475	0.04533	3.13E-01	1.93E-03	7.46E-08	6.14E-04	8.67E-03	1.81E-03	7.75E-03	7.10E-03	3.27E-01
3583	485363.09	3850377.25	0.06609	0.04307	0.02151	0.0298	0.06127	0.02363	0.0455	0.04307	3.17E-01	1.83E-03	5.16E-08	7.22E-04	1.32E-02	1.53E-03	7.43E-03	6.75E-03	3.35E-01
3584	485863.09	3850377.25	0.04555	0.03726	0.02767	0.02595	0.10316	0.02097	0.0376	0.03726	2.19E-01	1.59E-03	6.64E-08	6.29E-04	2.22E-02	1.36E-03	6.13E-03	5.84E-03	2.45E-01
3585	486363.09	3850377.25	0.04421	0.0358	0.02627	0.02425	0.08341	0.01732	0.0361	0.0358	2.12E-01	1.52E-03	6.30E-08	5.88E-04	1.80E-02	1.12E-03	5.90E-03	5.61E-03	2.34E-01
3586	486863.09	3850377.25	0.04099	0.03291	0.02715	0.02166	0.03272	0.01643	0.0332	0.03291	1.97E-01	1.40E-03	6.51E-08	5.25E-04	7.06E-03	1.06E-03	5.42E-03	5.16E-03	2.07E-01
3587	487363.09	3850377.25	0.04071	0.03082	0.02941	0.01794	0.0343	0.01787	0.0313	0.03082	1.95E-01	1.31E-03	7.05E-08	4.35E-04	7.40E-03	1.16E-03	5.10E-03	4.83E-03	2.06E-01

3588	487863.09	3850377.25	0.03618	0.02952	0.02533	0.0179	0.05142	0.01928	0.0298	0.02952	1.74E-01	1.26E-03	6.07E-08	4.34E-04	1.11E-02	1.25E-03	4.86E-03	4.62E-03	1.88E-01
3589	488363.09	3850377.25	0.03351	0.02745	0.01649	0.01719	0.03876	0.01926	0.0277	0.02745	1.61E-01	1.17E-03	3.95E-08	4.16E-04	8.36E-03	1.25E-03	4.52E-03	4.30E-03	1.72E-01
3590	488863.09	3850377.25	0.0347	0.02651	0.01871	0.01795	0.03731	0.01837	0.0267	0.02651	1.67E-01	1.13E-03	4.49E-08	4.35E-04	8.05E-03	1.19E-03	4.36E-03	4.15E-03	1.78E-01
3591	489363.09	3850377.25	0.03256	0.02538	0.02212	0.01855	0.03909	0.01863	0.0256	0.02538	1.56E-01	1.08E-03	5.31E-08	4.49E-04	8.43E-03	1.21E-03	4.18E-03	3.98E-03	1.68E-01
3592	489863.09	3850377.25	0.03077	0.02427	0.02437	0.01757	0.05856	0.01848	0.0248	0.02427	1.48E-01	1.03E-03	5.84E-08	4.26E-04	1.26E-02	1.20E-03	4.05E-03	3.80E-03	1.63E-01
3593	490363.09	3850377.25	0.02873	0.02335	0.01679	0.01596	0.07581	0.01904	0.024	0.02335	1.38E-01	9.94E-04	4.03E-08	3.87E-04	1.64E-02	1.23E-03	3.92E-03	3.66E-03	1.57E-01
3594	490863.09	3850377.25	0.02815	0.02083	0.01734	0.02167	0.0374	0.01634	0.0212	0.02083	1.35E-01	8.86E-04	4.16E-08	5.25E-04	8.07E-03	1.06E-03	3.45E-03	3.26E-03	1.46E-01
3595	491363.09	3850377.25	0.02901	0.01864	0.01475	0.02039	0.03751	0.01638	0.0191	0.01864	1.39E-01	7.93E-04	3.54E-08	4.94E-04	8.09E-03	1.06E-03	3.11E-03	2.92E-03	1.50E-01
3596	491863.09	3850377.25	0.02842	0.01615	0.01558	0.01816	0.03041	0.01479	0.0163	0.01615	1.36E-01	6.87E-04	3.74E-08	4.40E-04	6.56E-03	9.57E-04	2.66E-03	2.53E-03	1.45E-01
3597	492363.09	3850377.25	0.02075	0.0137	0.01403	0.01651	0.03234	0.01422	0.014	0.0137	9.96E-02	5.83E-04	3.36E-08	4.00E-04	6.97E-03	9.20E-04	2.29E-03	2.15E-03	1.09E-01
3598	492863.09	3850377.25	0.02025	0.01271	0.01563	0.01528	0.03722	0.01483	0.013	0.01271	9.72E-02	5.41E-04	3.75E-08	3.70E-04	8.03E-03	9.60E-04	2.12E-03	1.99E-03	1.07E-01
3599	493363.09	3850377.25	0.01903	0.01157	0.01309	0.01484	0.04373	0.01457	0.0119	0.01157	9.13E-02	4.92E-04	3.14E-08	3.60E-04	9.43E-03	9.43E-04	1.94E-03	1.81E-03	1.03E-01
3600	493863.09	3850377.25	0.01996	0.01196	0.01314	0.01491	0.04858	0.01378	0.0121	0.01196	9.58E-02	5.09E-04	3.15E-08	3.61E-04	1.05E-02	8.92E-04	1.97E-03	1.87E-03	1.08E-01
3601	494363.09	3850377.25	0.02221	0.01202	0.01365	0.0151	0.05061	0.0134	0.0123	0.01202	1.07E-01	5.11E-04	3.27E-08	3.66E-04	1.09E-02	8.67E-04	2.00E-03	1.88E-03	1.19E-01
3602	494863.09	3850377.25	0.02607	0.01277	0.01622	0.01502	0.04363	0.01391	0.0133	0.01277	1.25E-01	5.43E-04	3.89E-08	3.64E-04	9.41E-03	9.00E-04	2.17E-03	2.00E-03	1.36E-01
3603	495363.09	3850377.25	0.02868	0.01407	0.01665	0.01675	0.04289	0.01683	0.0142	0.01407	1.38E-01	5.99E-04	3.99E-08	4.06E-04	9.25E-03	1.09E-03	2.32E-03	2.20E-03	1.49E-01
3604	495863.09	3850377.25	0.02685	0.0129	0.01717	0.01691	0.02579	0.01287	0.0132	0.0129	1.29E-01	5.49E-04	4.12E-08	4.10E-04	5.56E-03	8.33E-04	2.16E-03	2.02E-03	1.36E-01
3605	496363.09	3850377.25	0.02847	0.01408	0.01815	0.01771	0.02593	0.01407	0.0142	0.01408	1.37E-01	5.99E-04	4.35E-08	4.29E-04	5.59E-03	9.10E-04	2.32E-03	2.21E-03	1.44E-01
3606	496863.09	3850377.25	0.03015	0.01583	0.01852	0.01785	0.03366	0.01383	0.0161	0.01583	1.45E-01	6.74E-04	4.44E-08	4.32E-04	7.26E-03	8.95E-04	2.63E-03	2.48E-03	1.54E-01
3607	497363.09	3850377.25	0.03111	0.01637	0.01772	0.02398	0.0344	0.01403	0.0165	0.01637	1.49E-01	6.97E-04	4.25E-08	5.81E-04	7.42E-03	9.08E-04	2.69E-03	2.56E-03	1.59E-01
3608	497863.09	3850377.25	0.03109	0.01558	0.01912	0.02248	0.03968	0.01441	0.0158	0.01558	1.49E-01	6.63E-04	4.59E-08	5.45E-04	8.56E-03	9.32E-04	2.57E-03	2.44E-03	1.60E-01
3609	498363.09	3850377.25	0.03109	0.01496	0.01873	0.01795	0.03954	0.01472	0.0151	0.01496	1.49E-01	6.37E-04	4.49E-08	4.35E-04	8.53E-03	9.52E-04	2.47E-03	2.34E-03	1.60E-01
3610	471363.09	3850877.25	0.04897	0.04255	0.03391	0.03397	0.04728	0.03062	0.0408	0.04255	2.35E-01	1.81E-03	8.13E-08	8.23E-04	1.02E-02	1.98E-03	6.66E-03	6.67E-03	2.50E-01
3611	471863.09	3850877.25	0.04946	0.0484	0.03199	0.03536	0.05155	0.03126	0.0484	0.0484	2.37E-01	2.06E-03	7.67E-08	8.57E-04	1.11E-02	2.02E-03	7.90E-03	7.58E-03	2.54E-01
3612	472363.09	3850877.25	0.05329	0.05687	0.02728	0.03801	0.073	0.03447	0.0574	0.05687	2.56E-01	2.42E-03	6.54E-08	9.21E-04	1.57E-02	2.23E-03	9.38E-03	8.91E-03	2.78E-01
3613	472863.09	3850877.25	0.04849	0.06335	0.02496	0.04126	0.06191	0.03736	0.0674	0.06335	2.33E-01	2.70E-03	5.99E-08	1.00E-03	1.34E-02	2.42E-03	1.10E-02	9.92E-03	2.53E-01
3614	473363.09	3850877.25	0.0455	0.06612	0.04104	0.04176	0.06185	0.03661	0.0666	0.06612	2.18E-01	2.81E-03	9.84E-08	1.01E-03	1.33E-02	2.37E-03	1.09E-02	1.04E-02	2.38E-01
3615	473863.09	3850877.25	0.04739	0.07626	0.03917	0.0437	0.0621	0.03624	0.0773	0.07626	2.27E-01	3.24E-03	9.39E-08	1.06E-03	1.34E-02	2.34E-03	1.26E-02	1.19E-02	2.48E-01
3616	474363.09	3850877.25	0.05265	0.08701	0.04736	0.04279	0.04777	0.03611	0.0851	0.08701	2.53E-01	3.70E-03	1.14E-07	1.04E-03	1.03E-02	2.34E-03	1.39E-02	1.36E-02	2.70E-01
3617	474863.09	3850877.25	0.04589	0.09233	0.03017	0.03946	0.03937	0.03727	0.0873	0.09233	2.20E-01	3.93E-03	7.24E-08	9.56E-04	8.49E-03	2.41E-03	1.42E-02	1.45E-02	2.36E-01
3618	475363.09	3850877.25	0.04228	0.09551	0.03	0.0378	0.04132	0.03716	0.0963	0.09551	2.03E-01	4.06E-03	7.20E-08	9.16E-04	8.91E-03	2.40E-03	1.57E-02	1.50E-02	2.20E-01
3619	475863.09	3850877.25	0.05027	0.09882	0.03138	0.03499	0.03791	0.03582	0.0998	0.09882	2.41E-01	4.20E-03	7.53E-08	8.48E-04	8.18E-03	2.32E-03	1.63E-02	1.55E-02	2.58E-01
3620	476363.09	3850877.25	0.05602	0.11606	0.02452	0.03524	0.0584	0.03438	0.1061	0.11606	2.69E-01	4.94E-03	5.88E-08	8.54E-04	1.26E-02	2.22E-03	1.73E-02	1.82E-02	2.89E-01
3621	476863.09	3850877.25	0.05674	0.12811	0.02037	0.03752	0.0545	0.03434	0.1181	0.12811	2.72E-01	5.45E-03	4.89E-08	9.09E-04	1.18E-02	2.22E-03	1.93E-02	2.01E-02	2.92E-01
3622	477363.09	3850877.25	0.0545	0.14596	0.01985	0.03831	0.05776	0.04047	0.1479	0.14596	2.62E-01	6.21E-03	4.76E-08	9.28E-04	1.25E-02	2.62E-03	2.41E-02	2.29E-02	2.85E-01
3623	477863.09	3850877.25	0.05634	0.16504	0.02373	0.03164	0.04876	0.04118	0.1572	0.16504	2.70E-01	7.02E-03	5.69E-08	7.67E-04	1.05E-02	2.66E-03	2.57E-02	2.59E-02	2.91E-01
3624	478363.09	3850877.25	0.06686	0.20243	0.02188	0.02429	0.03352	0.02832	0.2041	0.20243	3.21E-01	8.61E-03	5.25E-08	5.88E-04	7.23E-03	1.83E-03	3.33E-02	3.17E-02	3.41E-01
3625	478863.09	3850877.25	0.09351	0.2907	0.02462	0.02587	0.03237	0.0277	0.2959	0.2907	4.49E-01	1.24E-02	5.90E-08	6.27E-04	6.98E-03	1.79E-03	4.83E-02	4.55E-02	4.73E-01
3626	479363.09	3850877.25	0.15281	0.48146	0.02221	0.03374	0.03892	0.02906	0.4932	0.48146	7.33E-01	2.05E-02	5.33E-08	8.17E-04	8.39E-03	1.88E-03	8.05E-02	7.54E-02	7.70E-01
3627	479863.09	3850877.25	0.24449	1.13658	0.02482	0.02936	0.04555	0.02617	1.0863	1.13658	1.17E+00	4.84E-02	5.95E-08	7.11E-04	9.82E-03	1.69E-03	1.77E-01	1.78E-01	1.23E+00
3628	480363.09	3850877.25	0.11875	0.38113	0.02611	0.02609	0.04774	0.04028	0.3774	0.38113	5.70E-01	1.62E-02	6.26E-08	6.32E-04	1.03E-02	2.61E-03	6.16E-02	5.97E-02	6.02E-01
3629	480863.09	3850877.25	0.08343	0.23407	0.02428	0.03486	0.03753	0.02978	0.235	0.23407	4.00E-01	9.96E-03	5.82E-08	8.45E-04	8.09E-03	1.93E-03	3.84E-02	3.67E-02	4.23E-01
3630	481363.09	3850877.25	0.08715	0.17831	0.02157	0.02439	0.05172	0.03266	0.1769	0.17831	4.18E-01	7.59E-03	5.17E-08	5.91E-04	1.12E-02	2.11E-03	2.89E-02	2.79E-02	4.41E-01
3631	481863.09	3850877.25	0.1085	0.12549	0.03755	0.02835	0.04068	0.0425	0.1273	0.12549	5.21E-01	5.34E-03	9.01E-08	6.87E-04	8.77E-03	2.75E-03	2.08E-02	1.97E-02	5.39E-01
3632	482363.09	3850877.25	0.11241	0.09154	0.03078	0.0317	0.04327	0.03333	0.0925	0.09154	5.39E-01	3.89E-03	7.38E-08	7.68E-04	9.33E-03	2.16E-03	1.51E-02	1.43E-02	5.56E-01
3633	482863.09	3850877.25	0.09437	0.07286	0.02461	0.0299	0.04528	0.03153	0.0732	0.07286	4.53E-01	3.10E-03	5.90E-08	7.24E-04	9.77E-03	2.04E-03	1.19E-02	1.14E-02	4.69E-01
3634	483363.09	3850877.25	0.08619	0.06037	0.02681	0.0314	0.03021	0.02038	0.0638	0.06037	4.14E-01	2.57E-03	6.43E-08	7.61E-04	6.52E-03	1.32E-03	1.04E-02	9.46E-03	4.26E-01
3635	483863.09	3850877.25	0.07422	0.0543	0.0237	0.02024	0.03902	0.02433	0.0555	0.0543	3.56E-01	2.31E-03	5.68E-08	4.90E-04	8.42E-03	1.57E-03	9.06E-03	8.51E-03	3.70E-01
3636	484363.09	3850877.25	0.0674	0.05864	0.03827	0.02822	0.04815	0.02908	0.0594	0.05864	3.23E-01	2.50E-03	9.18E-08	6.84E-04	1.04E-02	1.88E-03	9.70E-03	9.19E-03	3.39E-01
3637	484863.09	3850877.25	0.07895	0.05547	0.02873	0.0281	0.04971	0.02835	0.0563	0.05547	3.79E-01	2.36E-03	6.89E-08	6.81E-04	1.07E-02	1.83E-03	9.19E-03	8.69E-03	3.95E-01
3638	485363.09	3850877.25	0.08781	0.05466	0.02245	0.03089	0.0521	0.02668	0.0552	0.05466	4.21E-01	2.33E-03	5.38E-08	7.48E-04	1.12E-02	1.73E-03	9.02E-03	8.56E-03	4.38E-01
3639	485863.09	3850877.25	0.05811	0.04978	0.04075	0.02916	0.07859	0.02245	0.0503	0.04978	2.79E-01	2.12E-03	9.77E-08	7.06E-04	1.69E-02	1.45E-03	8.21E-03	7.80E-03	3.01E-01
3640	486363.09	3850877.25	0.0529	0.04672	0.02846	0.02671	0.12565	0.02158	0.0473	0.04672	2.54E-01	1.99E-03	6.83E-08	6.47E-04	2.71E-02	1.40E-03	7.72E-03	7.32E-03	2.85E-01
3641	486863.09	3850877.25	0.04861	0.043	0.03154	0.02366	0.03281	0.01993	0.0435	0.043	2.33E-01	1.83E-03	7.56E-08	5.73E-04	7.08E-03	1.29E-03	7.11E-03	6.74E-03	2.44E-01
3642	487363.09	3850877.25	0.04287	0.04025	0.0275	0.02101	0.04089	0.02023	0.0408	0.04025	2.06E-01	1.71E-03	6.60E-08	5.09E-04	8.82E-03	1.31E-03	6.65E-03	6.31E-03	2.18E-01
3643	487863.09	3850877.25	0.04062	0.03506	0.02758	0.01938	0.05394	0.02128	0.0354	0.03506	1.95E-01	1.49E-03	6.61E-08	4.70E-04	1.16E-02	1.38E-03	5.78E-03	5.49E-03	2.10E-01
3644	488363.09	3850877.25	0.03996	0.02978	0.01911	0.01847	0.04577	0.02277	0.0309	0.02978	1.92E-01	1.27E-03	4.58E-08	4.47E-04	9.87E-03	1.47E-03	5.05E-03	4.67E-03	2.05E-01

3645	488863.09	3850877.25	0.03994	0.02868	0.02309	0.02326	0.05866	0.02096	0.0292	0.02868	1.92E-01	1.22E-03	5.54E-08	5.64E-04	1.27E-02	1.36E-03	4.77E-03	4.49E-03	2.08E-01
3646	489363.09	3850877.25	0.03646	0.02701	0.02731	0.02458	0.04779	0.0204	0.0284	0.02701	1.75E-01	1.15E-03	6.55E-08	5.95E-04	1.03E-02	1.32E-03	4.63E-03	4.23E-03	1.89E-01
3647	489863.09	3850877.25	0.03125	0.02621	0.02443	0.02515	0.07448	0.02014	0.0279	0.02621	1.50E-01	1.12E-03	5.86E-08	6.09E-04	1.61E-02	1.30E-03	4.56E-03	4.11E-03	1.70E-01
3648	490363.09	3850877.25	0.03219	0.02596	0.024	0.02012	0.07727	0.01998	0.0275	0.02596	1.54E-01	1.10E-03	5.76E-08	4.87E-04	1.67E-02	1.29E-03	4.49E-03	4.07E-03	1.74E-01
3649	490863.09	3850877.25	0.03076	0.02562	0.01475	0.02179	0.05483	0.01806	0.0265	0.02562	1.48E-01	1.09E-03	3.54E-08	5.28E-04	1.18E-02	1.17E-03	4.32E-03	4.01E-03	1.63E-01
3650	491363.09	3850877.25	0.03166	0.02399	0.01903	0.0201	0.04696	0.01734	0.0243	0.02399	1.52E-01	1.02E-03	4.56E-08	4.87E-04	1.01E-02	1.12E-03	3.96E-03	3.76E-03	1.65E-01
3651	491863.09	3850877.25	0.02837	0.01822	0.01682	0.02092	0.03221	0.01561	0.0188	0.01822	1.36E-01	7.75E-04	4.03E-08	5.07E-04	6.95E-03	1.01E-03	3.06E-03	2.85E-03	1.46E-01
3652	492363.09	3850877.25	0.03265	0.01673	0.0159	0.01945	0.04817	0.01527	0.017	0.01673	1.57E-01	7.12E-04	3.81E-08	4.71E-04	1.04E-02	9.88E-04	2.78E-03	2.62E-03	1.69E-01
3653	492863.09	3850877.25	0.02438	0.01511	0.01711	0.01709	0.05253	0.01601	0.0157	0.01511	1.17E-01	6.43E-04	4.10E-08	4.14E-04	1.13E-02	1.04E-03	2.57E-03	2.37E-03	1.31E-01
3654	493363.09	3850877.25	0.02499	0.01474	0.01668	0.01684	0.05382	0.01648	0.0153	0.01474	1.20E-01	6.27E-04	4.00E-08	4.08E-04	1.16E-02	1.07E-03	2.50E-03	2.31E-03	1.34E-01
3655	493863.09	3850877.25	0.02701	0.0146	0.01799	0.01792	0.0563	0.01506	0.0154	0.0146	1.30E-01	6.21E-04	4.31E-08	4.34E-04	1.21E-02	9.74E-04	2.51E-03	2.29E-03	1.44E-01
3656	494363.09	3850877.25	0.02835	0.01462	0.01791	0.01556	0.05055	0.01454	0.0152	0.01462	1.36E-01	6.22E-04	4.30E-08	3.77E-04	1.09E-02	9.41E-04	2.48E-03	2.29E-03	1.49E-01
3657	494863.09	3850877.25	0.03104	0.01528	0.01792	0.01709	0.04866	0.01528	0.0154	0.01528	1.49E-01	6.50E-04	4.30E-08	4.14E-04	1.05E-02	9.89E-04	2.52E-03	2.39E-03	1.62E-01
3658	495363.09	3850877.25	0.03201	0.01691	0.02138	0.01888	0.03162	0.01852	0.0174	0.01691	1.54E-01	7.19E-04	5.13E-08	4.57E-04	6.82E-03	1.20E-03	2.84E-03	2.65E-03	1.63E-01
3659	495863.09	3850877.25	0.03169	0.01644	0.01938	0.01815	0.03157	0.01635	0.0172	0.01644	1.52E-01	6.99E-04	4.65E-08	4.40E-04	6.81E-03	1.06E-03	2.80E-03	2.58E-03	1.61E-01
3660	496363.09	3850877.25	0.03231	0.0163	0.02155	0.01893	0.03534	0.01562	0.0173	0.0163	1.55E-01	6.94E-04	5.17E-08	4.59E-04	7.62E-03	1.01E-03	2.83E-03	2.55E-03	1.65E-01
3661	496863.09	3850877.25	0.03388	0.01616	0.02134	0.02768	0.044	0.01588	0.0173	0.01616	1.63E-01	6.88E-04	5.12E-08	6.71E-04	9.49E-03	1.03E-03	2.83E-03	2.53E-03	1.75E-01
3662	497363.09	3850877.25	0.03394	0.01587	0.02159	0.02634	0.0426	0.01678	0.017	0.01587	1.63E-01	6.75E-04	5.18E-08	6.38E-04	9.19E-03	1.09E-03	2.78E-03	2.49E-03	1.75E-01
3663	497863.09	3850877.25	0.03335	0.01539	0.02177	0.02068	0.04224	0.0157	0.0161	0.01539	1.60E-01	6.55E-04	5.22E-08	5.01E-04	9.11E-03	1.02E-03	2.63E-03	2.41E-03	1.72E-01
3664	498363.09	3850877.25	0.03303	0.0149	0.01989	0.01867	0.04347	0.01541	0.0151	0.0149	1.59E-01	6.34E-04	4.77E-08	4.52E-04	9.38E-03	9.97E-04	2.47E-03	2.33E-03	1.70E-01
3665	471363.09	3851377.25	0.06451	0.04156	0.03497	0.03933	0.04189	0.03979	0.0412	0.04156	3.10E-01	1.77E-03	8.39E-08	9.53E-04	9.03E-03	2.57E-03	6.73E-03	6.51E-03	3.24E-01
3666	471863.09	3851377.25	0.0651	0.05046	0.03984	0.0412	0.04529	0.04371	0.0498	0.05046	3.12E-01	2.15E-03	9.55E-08	9.98E-04	9.77E-03	2.83E-03	8.12E-03	7.90E-03	3.28E-01
3667	472363.09	3851377.25	0.05491	0.05027	0.03985	0.04177	0.04827	0.04208	0.0507	0.05027	2.64E-01	2.14E-03	9.56E-08	1.01E-03	1.04E-02	2.72E-03	8.28E-03	7.87E-03	2.80E-01
3668	472863.09	3851377.25	0.05226	0.05488	0.03949	0.04094	0.05364	0.04063	0.0565	0.05488	2.51E-01	2.34E-03	9.47E-08	9.92E-04	1.16E-02	2.63E-03	9.21E-03	8.60E-03	2.69E-01
3669	473363.09	3851377.25	0.05683	0.04913	0.03558	0.03804	0.06934	0.03343	0.0501	0.04913	2.73E-01	2.09E-03	8.53E-08	9.22E-04	1.50E-02	2.16E-03	8.17E-03	7.70E-03	2.93E-01
3670	473863.09	3851377.25	0.05258	0.05182	0.02891	0.0421	0.06874	0.03509	0.0525	0.05182	2.52E-01	2.20E-03	6.93E-08	1.02E-03	1.48E-02	2.27E-03	8.56E-03	8.12E-03	2.73E-01
3671	474363.09	3851377.25	0.04939	0.06153	0.04581	0.04489	0.066	0.03976	0.068	0.06153	2.37E-01	2.62E-03	1.10E-07	1.09E-03	1.42E-02	2.57E-03	1.11E-02	9.64E-03	2.59E-01
3672	474863.09	3851377.25	0.0532	0.07755	0.04294	0.04787	0.06657	0.03982	0.0769	0.07755	2.55E-01	3.30E-03	1.03E-07	1.16E-03	1.44E-02	2.58E-03	1.25E-02	1.21E-02	2.77E-01
3673	475363.09	3851377.25	0.05941	0.08186	0.05215	0.04885	0.06031	0.04173	0.0827	0.08186	2.85E-01	3.48E-03	1.25E-07	1.18E-03	1.30E-02	2.70E-03	1.35E-02	1.28E-02	3.06E-01
3674	475863.09	3851377.25	0.05184	0.08712	0.04144	0.04254	0.04811	0.04106	0.088	0.08712	2.49E-01	3.71E-03	9.94E-08	1.03E-03	1.04E-02	2.66E-03	1.44E-02	1.36E-02	2.67E-01
3675	476363.09	3851377.25	0.04872	0.0935	0.03871	0.04584	0.04904	0.0413	0.0934	0.0935	2.34E-01	3.98E-03	9.28E-08	1.11E-03	1.06E-02	2.67E-03	1.52E-02	1.46E-02	2.53E-01
3676	476863.09	3851377.25	0.05647	0.09995	0.03256	0.04021	0.04053	0.04204	0.0999	0.09995	2.71E-01	4.25E-03	7.81E-08	9.74E-04	8.74E-03	2.72E-03	1.63E-02	1.57E-02	2.88E-01
3677	477363.09	3851377.25	0.06042	0.11313	0.02466	0.04024	0.06958	0.04046	0.1082	0.11313	2.90E-01	4.81E-03	5.91E-08	9.75E-04	1.50E-02	2.62E-03	1.77E-02	1.77E-02	3.13E-01
3678	477863.09	3851377.25	0.05152	0.13133	0.02458	0.03871	0.06068	0.04202	0.1322	0.13133	2.47E-01	5.59E-03	5.90E-08	9.38E-04	1.31E-02	2.72E-03	2.16E-02	2.06E-02	2.71E-01
3679	478363.09	3851377.25	0.05584	0.14657	0.02297	0.04025	0.05707	0.04264	0.1347	0.14657	2.68E-01	6.24E-03	5.51E-08	9.75E-04	1.23E-02	2.76E-03	2.20E-02	2.30E-02	2.89E-01
3680	478863.09	3851377.25	0.05346	0.16583	0.03046	0.03179	0.05492	0.04474	0.1612	0.16583	2.57E-01	7.06E-03	7.31E-08	7.70E-04	1.18E-02	2.89E-03	2.63E-02	2.60E-02	2.79E-01
3681	479363.09	3851377.25	0.07288	0.20583	0.02611	0.02907	0.03138	0.03265	0.2087	0.20583	3.50E-01	8.76E-03	6.26E-08	7.04E-04	6.77E-03	2.11E-03	3.41E-02	3.22E-02	3.70E-01
3682	479863.09	3851377.25	0.09039	0.2702	0.02411	0.03364	0.03904	0.03748	0.2747	0.2702	4.34E-01	1.15E-02	5.78E-08	8.15E-04	8.42E-03	2.43E-03	4.48E-02	4.23E-02	4.59E-01
3683	480363.09	3851377.25	0.11452	0.481	0.02705	0.03372	0.05424	0.03084	0.4881	0.481	5.50E-01	2.05E-02	6.49E-08	8.17E-04	1.17E-02	2.00E-03	7.97E-02	7.53E-02	5.89E-01
3684	480863.09	3851377.25	0.23369	1.18434	0.03083	0.03225	0.04982	0.04815	1.2052	1.18434	1.12E+00	5.04E-02	7.39E-08	7.81E-04	1.07E-02	3.12E-03	1.97E-01	1.86E-01	1.20E+00
3685	481363.09	3851377.25	0.09563	0.36197	0.02525	0.03694	0.04614	0.03335	0.3457	0.36197	4.59E-01	1.54E-02	6.06E-08	8.95E-04	9.95E-03	2.16E-03	5.64E-02	5.67E-02	4.87E-01
3686	481863.09	3851377.25	0.12164	0.20169	0.03593	0.03244	0.05539	0.057	0.2036	0.20169	5.84E-01	8.58E-03	8.62E-08	7.86E-04	1.19E-02	3.69E-03	3.32E-02	3.16E-02	6.10E-01
3687	482363.09	3851377.25	0.1214	0.16237	0.05513	0.03376	0.04309	0.05653	0.1532	0.16237	5.83E-01	6.91E-03	1.32E-07	8.18E-04	9.29E-03	3.66E-03	2.50E-02	2.54E-02	6.03E-01
3688	482863.09	3851377.25	0.10666	0.11353	0.0326	0.0451	0.04792	0.03951	0.1143	0.11353	5.12E-01	4.83E-03	7.82E-08	1.09E-03	1.03E-02	2.56E-03	1.87E-02	1.78E-02	5.32E-01
3689	483363.09	3851377.25	0.09916	0.0807	0.03245	0.03957	0.04886	0.03406	0.0822	0.0807	4.76E-01	3.43E-03	7.78E-08	9.59E-04	1.05E-02	2.20E-03	1.34E-02	1.26E-02	4.94E-01
3690	483863.09	3851377.25	0.09909	0.06691	0.02967	0.03398	0.03433	0.02776	0.0675	0.06691	4.76E-01	2.85E-03	7.12E-08	8.23E-04	7.40E-03	1.80E-03	1.10E-02	1.05E-02	4.89E-01
3691	484363.09	3851377.25	0.10809	0.06897	0.03371	0.04091	0.04733	0.03394	0.0693	0.06897	5.19E-01	2.93E-03	8.08E-08	9.91E-04	1.02E-02	2.20E-03	1.13E-02	1.08E-02	5.36E-01
3692	484863.09	3851377.25	0.06863	0.06026	0.03008	0.0306	0.05664	0.02878	0.0606	0.06026	3.29E-01	2.56E-03	7.21E-08	7.41E-04	1.22E-02	1.86E-03	9.89E-03	9.44E-03	3.47E-01
3693	485363.09	3851377.25	0.09421	0.06439	0.03471	0.03521	0.05445	0.02978	0.0648	0.06439	4.52E-01	2.74E-03	8.32E-08	8.53E-04	1.17E-02	1.93E-03	1.06E-02	1.01E-02	4.70E-01
3694	485863.09	3851377.25	0.06646	0.05072	0.03463	0.03219	0.07935	0.02309	0.0513	0.05072	3.19E-01	2.16E-03	8.31E-08	7.80E-04	1.71E-02	1.49E-03	8.37E-03	7.95E-03	3.41E-01
3695	486363.09	3851377.25	0.06612	0.05008	0.03674	0.03374	0.18781	0.02685	0.0507	0.05008	3.17E-01	2.13E-03	8.81E-08	8.17E-04	4.05E-02	1.74E-03	8.27E-03	7.85E-03	3.63E-01
3696	486863.09	3851377.25	0.06089	0.0467	0.03319	0.0257	0.06766	0.02239	0.0472	0.0467	2.92E-01	1.99E-03	7.96E-08	6.23E-04	1.46E-02	1.45E-03	7.71E-03	7.32E-03	3.11E-01
3697	487363.09	3851377.25	0.0456	0.04109	0.02809	0.02197	0.04299	0.02104	0.0416	0.04109	2.19E-01	1.75E-03	6.74E-08	5.32E-04	9.27E-03	1.36E-03	6.78E-03	6.44E-03	2.32E-01
3698	487863.09	3851377.25	0.05354	0.04091	0.02749	0.02311	0.05677	0.02351	0.0413	0.04091	2.57E-01	1.74E-03	6.59E-08	5.60E-04	1.22E-02	1.52E-03	6.74E-03	6.41E-03	2.73E-01
3699	488363.09	3851377.25	0.0508	0.04136	0.02495	0.02511	0.05385	0.02351	0.0418	0.04136	2.44E-01	1.76E-03	5.98E-08	6.08E-04	1.16E-02	1.52E-03	6.82E-03	6.48E-03	2.60E-01
3700	488863.09	3851377.25	0.04467	0.03876	0.03305	0.02881	0.06202	0.02293	0.0394	0.03876	2.14E-01	1.65E-03	7.93E-08	6.98E-04	1.34E-02	1.48E-03	6.44E-03	6.07E-03	2.32E-01
3701	489363.09	3851377.25	0.04129	0.03679	0.02923	0.02854	0.06816	0.02114	0.0371	0.03679	1.98E-01	1.57E-03	7.01E-08	6.91E-04	1.47E-02	1.37E-03	6.05E-03	5.76E-03	2.17E-01

3702	489863.09	3851377.25	0.03795	0.0324	0.02724	0.0292	0.09898	0.02173	0.0327	0.0324	1.82E-01	1.38E-03	6.53E-08	7.07E-04	2.13E-02	1.41E-03	5.33E-03	5.08E-03	2.07E-01
3703	490363.09	3851377.25	0.03714	0.02894	0.02222	0.02189	0.06957	0.02146	0.0292	0.02894	1.78E-01	1.23E-03	5.33E-08	5.30E-04	1.50E-02	1.39E-03	4.76E-03	4.53E-03	1.97E-01
3704	490863.09	3851377.25	0.03616	0.02496	0.02074	0.02191	0.05654	0.01862	0.0263	0.02496	1.74E-01	1.06E-03	4.97E-08	5.31E-04	1.22E-02	1.20E-03	4.30E-03	3.91E-03	1.89E-01
3705	491363.09	3851377.25	0.03334	0.02351	0.02104	0.02175	0.05058	0.01856	0.0246	0.02351	1.60E-01	1.00E-03	5.05E-08	5.27E-04	1.09E-02	1.20E-03	4.01E-03	3.68E-03	1.74E-01
3706	491863.09	3851377.25	0.03419	0.02166	0.02203	0.02111	0.0547	0.01721	0.0218	0.02166	1.64E-01	9.22E-04	5.28E-08	5.11E-04	1.18E-02	1.11E-03	3.56E-03	3.39E-03	1.79E-01
3707	492363.09	3851377.25	0.03433	0.01878	0.02469	0.02032	0.06048	0.01748	0.019	0.01878	1.65E-01	7.99E-04	5.92E-08	4.92E-04	1.30E-02	1.13E-03	3.10E-03	2.94E-03	1.80E-01
3708	492863.09	3851377.25	0.03257	0.01801	0.0208	0.02072	0.06921	0.01721	0.0182	0.01801	1.56E-01	7.66E-04	4.99E-08	5.02E-04	1.49E-02	1.11E-03	2.97E-03	2.82E-03	1.74E-01
3709	493363.09	3851377.25	0.02793	0.01523	0.01773	0.01683	0.05867	0.01597	0.0154	0.01523	1.34E-01	6.48E-04	4.25E-08	4.08E-04	1.27E-02	1.03E-03	2.51E-03	2.39E-03	1.49E-01
3710	493863.09	3851377.25	0.02867	0.01524	0.02022	0.01696	0.05165	0.01622	0.0155	0.01524	1.38E-01	6.48E-04	4.85E-08	4.11E-04	1.11E-02	1.05E-03	2.53E-03	2.39E-03	1.51E-01
3711	494363.09	3851377.25	0.03348	0.01676	0.02342	0.0172	0.05427	0.01691	0.0177	0.01676	1.61E-01	7.13E-04	5.62E-08	4.17E-04	1.17E-02	1.09E-03	2.89E-03	2.63E-03	1.75E-01
3712	494863.09	3851377.25	0.03311	0.0173	0.02233	0.01794	0.03294	0.01851	0.0177	0.0173	1.59E-01	7.36E-04	5.36E-08	4.35E-04	7.10E-03	1.20E-03	2.89E-03	2.71E-03	1.69E-01
3713	495363.09	3851377.25	0.03755	0.02141	0.02415	0.0231	0.03883	0.01914	0.0216	0.02141	1.80E-01	9.11E-04	5.79E-08	5.60E-04	8.37E-03	1.24E-03	3.52E-03	3.35E-03	1.91E-01
3714	495863.09	3851377.25	0.03857	0.01991	0.02432	0.02425	0.03698	0.01875	0.0208	0.01991	1.85E-01	8.47E-04	5.83E-08	5.88E-04	7.98E-03	1.21E-03	3.39E-03	3.12E-03	1.96E-01
3715	496363.09	3851377.25	0.0386	0.01931	0.02295	0.03156	0.0444	0.01794	0.0209	0.01931	1.85E-01	8.22E-04	5.50E-08	7.65E-04	9.58E-03	1.16E-03	3.41E-03	3.02E-03	1.98E-01
3716	496863.09	3851377.25	0.03779	0.01886	0.02295	0.03103	0.04867	0.01856	0.0201	0.01886	1.81E-01	8.02E-04	5.50E-08	7.52E-04	1.05E-02	1.20E-03	3.28E-03	2.95E-03	1.95E-01
3717	497363.09	3851377.25	0.03698	0.01853	0.02605	0.02634	0.05311	0.01849	0.0192	0.01853	1.77E-01	7.88E-04	6.25E-08	6.38E-04	1.15E-02	1.20E-03	3.13E-03	2.90E-03	1.92E-01
3718	497863.09	3851377.25	0.0358	0.01788	0.02269	0.02191	0.04982	0.01729	0.0184	0.01788	1.72E-01	7.61E-04	5.44E-08	5.31E-04	1.07E-02	1.12E-03	3.00E-03	2.80E-03	1.85E-01
3719	498363.09	3851377.25	0.03345	0.01581	0.02118	0.01905	0.04966	0.01619	0.0164	0.01581	1.61E-01	6.73E-04	5.08E-08	4.62E-04	1.07E-02	1.05E-03	2.68E-03	2.48E-03	1.74E-01
3720	471363.09	3851877.25	0.06564	0.04233	0.03143	0.04028	0.0583	0.03685	0.0441	0.04233	3.15E-01	1.80E-03	7.54E-08	9.76E-04	1.26E-02	2.38E-03	7.19E-03	6.63E-03	3.33E-01
3721	471863.09	3851877.25	0.06717	0.04111	0.03185	0.04181	0.05527	0.03896	0.0433	0.04111	3.22E-01	1.75E-03	7.64E-08	1.01E-03	1.19E-02	2.52E-03	7.06E-03	6.44E-03	3.40E-01
3722	472363.09	3851877.25	0.07109	0.04577	0.04061	0.04604	0.05897	0.04546	0.0473	0.04577	3.41E-01	1.95E-03	9.74E-08	1.12E-03	1.27E-02	2.94E-03	7.72E-03	7.17E-03	3.60E-01
3723	472863.09	3851877.25	0.07436	0.04973	0.04362	0.04597	0.04711	0.04551	0.0538	0.04973	3.57E-01	2.12E-03	1.05E-07	1.11E-03	1.02E-02	2.94E-03	8.78E-03	7.79E-03	3.74E-01
3724	473363.09	3851877.25	0.07143	0.04413	0.04005	0.04523	0.05094	0.04377	0.0477	0.04413	3.43E-01	1.88E-03	9.61E-08	1.10E-03	1.10E-02	2.83E-03	7.79E-03	6.91E-03	3.60E-01
3725	473863.09	3851877.25	0.064	0.04599	0.04187	0.04378	0.0581	0.04232	0.0479	0.04599	3.07E-01	1.96E-03	1.00E-07	1.06E-03	1.25E-02	2.74E-03	7.81E-03	7.20E-03	3.26E-01
3726	474363.09	3851877.25	0.06746	0.05317	0.04536	0.04325	0.06718	0.04395	0.0547	0.05317	3.24E-01	2.26E-03	1.09E-07	1.05E-03	1.45E-02	2.84E-03	8.93E-03	8.33E-03	3.45E-01
3727	474863.09	3851877.25	0.06564	0.05983	0.04121	0.04603	0.08518	0.04383	0.0663	0.05983	3.15E-01	2.55E-03	9.88E-08	1.12E-03	1.84E-02	2.84E-03	1.08E-02	9.37E-03	3.41E-01
3728	475363.09	3851877.25	0.06118	0.06336	0.05038	0.04877	0.07407	0.04321	0.0719	0.06336	2.94E-01	2.70E-03	1.21E-07	1.18E-03	1.60E-02	2.80E-03	1.17E-02	9.93E-03	3.18E-01
3729	475863.09	3851877.25	0.06022	0.0744	0.06022	0.05128	0.0716	0.04479	0.077	0.0744	2.89E-01	3.17E-03	1.44E-07	1.24E-03	1.54E-02	2.90E-03	1.26E-02	1.17E-02	3.13E-01
3730	476363.09	3851877.25	0.06753	0.07434	0.0581	0.0546	0.0692	0.04615	0.0762	0.07434	3.24E-01	3.16E-03	1.39E-07	1.32E-03	1.49E-02	2.99E-03	1.24E-02	1.16E-02	3.47E-01
3731	476863.09	3851877.25	0.06002	0.07984	0.05025	0.05626	0.0523	0.04942	0.0815	0.07984	2.88E-01	3.40E-03	1.21E-07	1.36E-03	1.13E-02	3.20E-03	1.33E-02	1.25E-02	3.08E-01
3732	477363.09	3851877.25	0.05576	0.08478	0.04257	0.05136	0.05009	0.04771	0.0871	0.08478	2.68E-01	3.61E-03	1.02E-07	1.24E-03	1.08E-02	3.09E-03	1.42E-02	1.33E-02	2.87E-01
3733	477863.09	3851877.25	0.06263	0.09195	0.03375	0.05366	0.04506	0.04884	0.0906	0.09195	3.01E-01	3.91E-03	8.09E-08	1.30E-03	9.72E-03	3.16E-03	1.48E-02	1.44E-02	3.19E-01
3734	478363.09	3851877.25	0.06539	0.10631	0.02392	0.05442	0.07315	0.04344	0.108	0.10631	3.14E-01	4.52E-03	5.74E-08	1.32E-03	1.58E-02	2.81E-03	1.76E-02	1.67E-02	3.39E-01
3735	478863.09	3851877.25	0.06303	0.11864	0.02667	0.04773	0.06485	0.04389	0.1193	0.11864	3.02E-01	5.05E-03	6.40E-08	1.16E-03	1.40E-02	2.84E-03	1.95E-02	1.86E-02	3.26E-01
3736	479363.09	3851877.25	0.0599	0.13324	0.03394	0.04243	0.05866	0.05324	0.1358	0.13324	2.87E-01	5.67E-03	8.14E-08	1.03E-03	1.27E-02	3.44E-03	2.22E-02	2.09E-02	3.12E-01
3737	479863.09	3851877.25	0.08866	0.15376	0.02809	0.03257	0.04248	0.04703	0.1614	0.15376	4.25E-01	6.54E-03	6.74E-08	7.89E-04	9.16E-03	3.04E-03	2.63E-02	2.41E-02	4.47E-01
3738	480363.09	3851877.25	0.07139	0.19701	0.02624	0.03354	0.03895	0.04757	0.2013	0.19701	3.43E-01	8.38E-03	6.29E-08	8.13E-04	8.40E-03	3.08E-03	3.29E-02	3.09E-02	3.65E-01
3739	480863.09	3851877.25	0.09795	0.27729	0.03179	0.03722	0.05508	0.03776	0.2796	0.27729	4.70E-01	1.18E-02	7.62E-08	9.02E-04	1.19E-02	2.44E-03	4.56E-02	4.34E-02	4.99E-01
3740	481363.09	3851877.25	0.13424	0.67463	0.03389	0.04038	0.0549	0.07059	0.6831	0.67463	6.44E-01	2.87E-02	8.13E-08	9.78E-04	1.18E-02	4.57E-03	1.12E-01	1.06E-01	6.96E-01
3741	481863.09	3851877.25	0.10636	0.37887	0.02807	0.04941	0.05622	0.05668	0.3783	0.37887	5.10E-01	1.61E-02	6.73E-08	1.20E-03	1.21E-02	3.67E-03	6.18E-02	5.94E-02	5.46E-01
3742	482363.09	3851877.25	0.14355	0.18727	0.05078	0.03516	0.05946	0.06023	0.1914	0.18727	6.89E-01	7.97E-03	1.22E-07	8.52E-04	1.28E-02	3.90E-03	3.12E-02	2.93E-02	7.16E-01
3743	482863.09	3851877.25	0.1127	0.13558	0.0295	0.04085	0.04561	0.05083	0.1301	0.13558	5.41E-01	5.77E-03	7.08E-08	9.90E-04	9.84E-03	3.29E-03	2.12E-02	2.12E-02	5.61E-01
3744	483363.09	3851877.25	0.12171	0.10682	0.04271	0.05537	0.05271	0.04393	0.1153	0.10682	5.84E-01	4.55E-03	1.02E-07	1.34E-03	1.14E-02	2.84E-03	1.88E-02	1.67E-02	6.06E-01
3745	483863.09	3851877.25	0.11918	0.09297	0.03339	0.04783	0.04786	0.04697	0.0955	0.09297	5.72E-01	3.96E-03	8.01E-08	1.16E-03	1.03E-02	3.04E-03	1.56E-02	1.46E-02	5.91E-01
3746	484363.09	3851877.25	0.13946	0.09512	0.02573	0.04941	0.04212	0.04957	0.0954	0.09512	6.69E-01	4.05E-03	6.17E-08	1.20E-03	9.08E-03	3.21E-03	1.56E-02	1.49E-02	6.87E-01
3747	484863.09	3851877.25	0.10857	0.08309	0.03288	0.04083	0.05384	0.03655	0.0837	0.08309	5.21E-01	3.54E-03	7.89E-08	9.89E-04	1.16E-02	2.36E-03	1.37E-02	1.30E-02	5.40E-01
3748	485363.09	3851877.25	0.09918	0.07697	0.04562	0.04535	0.05683	0.03647	0.0787	0.07697	4.76E-01	3.27E-03	1.09E-07	1.10E-03	1.23E-02	2.36E-03	1.28E-02	1.21E-02	4.96E-01
3749	485863.09	3851877.25	0.0792	0.06406	0.04478	0.03848	0.07057	0.0344	0.0647	0.06406	3.80E-01	2.73E-03	1.07E-07	9.32E-04	1.52E-02	2.23E-03	1.06E-02	1.00E-02	4.02E-01
3750	486363.09	3851877.25	0.07414	0.0595	0.03767	0.03202	0.20332	0.03139	0.0602	0.0595	3.56E-01	2.53E-03	9.03E-08	7.76E-04	4.39E-02	2.03E-03	9.83E-03	9.32E-03	4.05E-01
3751	486863.09	3851877.25	0.0675	0.05113	0.02833	0.02937	0.1025	0.03032	0.0517	0.05113	3.24E-01	2.18E-03	6.79E-08	7.12E-04	2.21E-02	1.96E-03	8.44E-03	8.01E-03	3.51E-01
3752	487363.09	3851877.25	0.0682	0.04532	0.0343	0.03264	0.05522	0.02462	0.0458	0.04532	3.27E-01	1.93E-03	8.23E-08	7.91E-04	1.19E-02	1.59E-03	7.48E-03	7.10E-03	3.44E-01
3753	487863.09	3851877.25	0.05356	0.04017	0.02662	0.02568	0.05995	0.02513	0.0407	0.04017	2.57E-01	1.71E-03	6.38E-08	6.22E-04	1.29E-02	1.63E-03	6.65E-03	6.29E-03	2.74E-01
3754	488363.09	3851877.25	0.04918	0.03817	0.03458	0.02557	0.06071	0.02375	0.0386	0.03817	2.36E-01	1.62E-03	8.29E-08	6.19E-04	1.31E-02	1.54E-03	6.30E-03	5.98E-03	2.53E-01
3755	488863.09	3851877.25	0.04145	0.03449	0.0322	0.02874	0.06337	0.02232	0.0349	0.03449	1.99E-01	1.47E-03	7.72E-08	6.96E-04	1.37E-02	1.44E-03	5.69E-03	5.40E-03	2.16E-01
3756	489363.09	3851877.25	0.03959	0.03124	0.02817	0.02752	0.07637	0.02177	0.0315	0.03124	1.90E-01	1.33E-03	6.76E-08	6.67E-04	1.65E-02	1.41E-03	5.14E-03	4.89E-03	2.10E-01
3757	489863.09	3851877.25	0.03826	0.03015	0.02848	0.02645	0.08725	0.02056	0.0304	0.03015	1.84E-01	1.28E-03	6.83E-08	6.41E-04	1.88E-02	1.33E-03	4.96E-03	4.72E-03	2.06E-01
3758	490363.09	3851877.25	0.03803	0.02977	0.02415	0.02158	0.06387	0.01939	0.03	0.02977	1.83E-01	1.27E-03	5.79E-08	5.23E-04	1.38E-02	1.25E-03	4.90E-03	4.66E-03	2.00E-01

3759	490863.09	3851877.25	0.0389	0.02849	0.02659	0.02199	0.05552	0.01917	0.0288	0.02849	1.87E-01	1.21E-03	6.38E-08	5.33E-04	1.20E-02	1.24E-03	4.70E-03	4.46E-03	2.02E-01
3760	491363.09	3851877.25	0.04049	0.02688	0.02912	0.02214	0.05063	0.01937	0.0273	0.02688	1.94E-01	1.14E-03	6.98E-08	5.36E-04	1.09E-02	1.25E-03	4.46E-03	4.21E-03	2.08E-01
3761	491863.09	3851877.25	0.04162	0.02371	0.02701	0.02309	0.05863	0.0194	0.0251	0.02371	2.00E-01	1.01E-03	6.48E-08	5.59E-04	1.26E-02	1.26E-03	4.10E-03	3.71E-03	2.16E-01
3762	492363.09	3851877.25	0.03835	0.02282	0.02408	0.02369	0.0843	0.01905	0.0231	0.02282	1.84E-01	9.71E-04	5.78E-08	5.74E-04	1.82E-02	1.23E-03	3.76E-03	3.57E-03	2.05E-01
3763	492863.09	3851877.25	0.03146	0.01818	0.02607	0.01802	0.06399	0.01731	0.0188	0.01818	1.51E-01	7.74E-04	6.25E-08	4.37E-04	1.38E-02	1.12E-03	3.07E-03	2.85E-03	1.67E-01
3764	493363.09	3851877.25	0.0357	0.02092	0.02777	0.02317	0.06922	0.01899	0.0219	0.02092	1.71E-01	8.90E-04	6.66E-08	5.61E-04	1.49E-02	1.23E-03	3.58E-03	3.28E-03	1.89E-01
3765	493863.09	3851877.25	0.04301	0.02314	0.03102	0.01997	0.07093	0.02338	0.0252	0.02314	2.06E-01	9.85E-04	7.44E-08	4.84E-04	1.53E-02	1.51E-03	4.11E-03	3.62E-03	2.25E-01
3766	494363.09	3851877.25	0.03995	0.02106	0.02493	0.01945	0.04172	0.02193	0.0233	0.02106	1.92E-01	8.96E-04	5.98E-08	4.71E-04	9.00E-03	1.42E-03	3.80E-03	3.30E-03	2.04E-01
3767	494863.09	3851877.25	0.04338	0.02312	0.02638	0.02564	0.04375	0.02242	0.0246	0.02312	2.08E-01	9.84E-04	6.33E-08	6.21E-04	9.44E-03	1.45E-03	4.01E-03	3.62E-03	2.21E-01
3768	495363.09	3851877.25	0.04457	0.02344	0.02889	0.02899	0.04831	0.02302	0.0249	0.02344	2.14E-01	9.97E-04	6.93E-08	7.02E-04	1.04E-02	1.49E-03	4.07E-03	3.67E-03	2.28E-01
3769	495863.09	3851877.25	0.0443	0.02346	0.02878	0.03459	0.05963	0.02057	0.0247	0.02346	2.13E-01	9.98E-04	6.90E-08	8.38E-04	1.29E-02	1.33E-03	4.04E-03	3.68E-03	2.29E-01
3770	496363.09	3851877.25	0.04208	0.02316	0.02802	0.03633	0.06751	0.02009	0.0241	0.02316	2.02E-01	9.85E-04	6.72E-08	8.80E-04	1.46E-02	1.30E-03	3.94E-03	3.63E-03	2.20E-01
3771	496863.09	3851877.25	0.03977	0.02211	0.02758	0.0321	0.06796	0.02009	0.0226	0.02211	1.91E-01	9.41E-04	6.61E-08	7.78E-04	1.47E-02	1.30E-03	3.69E-03	3.46E-03	2.09E-01
3772	497363.09	3851877.25	0.03896	0.0212	0.02748	0.02535	0.06422	0.01981	0.0216	0.0212	1.87E-01	9.02E-04	6.59E-08	6.14E-04	1.39E-02	1.28E-03	3.53E-03	3.32E-03	2.04E-01
3773	497863.09	3851877.25	0.03652	0.017	0.02249	0.02107	0.063	0.0186	0.0182	0.017	1.75E-01	7.23E-04	5.39E-08	5.10E-04	1.36E-02	1.20E-03	2.97E-03	2.66E-03	1.92E-01
3774	498363.09	3851877.25	0.03392	0.01516	0.02184	0.01778	0.06351	0.01799	0.0163	0.01516	1.63E-01	6.45E-04	5.24E-08	4.31E-04	1.37E-02	1.16E-03	2.66E-03	2.37E-03	1.79E-01
3775	471363.09	3852377.25	0.06375	0.03684	0.02802	0.03463	0.0386	0.03275	0.0407	0.03684	3.06E-01	1.57E-03	6.72E-08	8.39E-04	8.33E-03	2.12E-03	6.64E-03	5.77E-03	3.20E-01
3776	471863.09	3852377.25	0.06747	0.04001	0.02757	0.04035	0.04789	0.03914	0.0437	0.04001	3.24E-01	1.70E-03	6.61E-08	9.78E-04	1.03E-02	2.53E-03	7.13E-03	6.27E-03	3.40E-01
3777	472363.09	3852377.25	0.07053	0.04124	0.03522	0.04472	0.05239	0.03757	0.0435	0.04124	3.38E-01	1.75E-03	8.45E-08	1.08E-03	1.13E-02	2.43E-03	7.09E-03	6.46E-03	3.56E-01
3778	472863.09	3852377.25	0.07245	0.04246	0.04158	0.04592	0.06427	0.04132	0.0437	0.04246	3.48E-01	1.81E-03	9.97E-08	1.11E-03	1.39E-02	2.67E-03	7.13E-03	6.65E-03	3.68E-01
3779	473363.09	3852377.25	0.07653	0.04327	0.04349	0.04657	0.06606	0.04826	0.0483	0.04327	3.67E-01	1.84E-03	1.04E-07	1.13E-03	1.42E-02	3.12E-03	7.88E-03	6.78E-03	3.89E-01
3780	473863.09	3852377.25	0.07866	0.04439	0.04906	0.04672	0.06586	0.04517	0.049	0.04439	3.77E-01	1.89E-03	1.18E-07	1.13E-03	1.42E-02	2.92E-03	7.99E-03	6.95E-03	3.99E-01
3781	474363.09	3852377.25	0.07921	0.04353	0.04602	0.04639	0.05323	0.04536	0.0554	0.04353	3.80E-01	1.85E-03	1.10E-07	1.12E-03	1.15E-02	2.93E-03	9.04E-03	6.82E-03	4.00E-01
3782	474863.09	3852377.25	0.08099	0.05468	0.05447	0.0501	0.06557	0.04811	0.0703	0.05468	3.89E-01	2.33E-03	1.31E-07	1.21E-03	1.41E-02	3.11E-03	1.15E-02	8.57E-03	4.12E-01
3783	475363.09	3852377.25	0.0783	0.05553	0.05295	0.0496	0.07123	0.04878	0.073	0.05553	3.76E-01	2.36E-03	1.27E-07	1.20E-03	1.54E-02	3.16E-03	1.19E-02	8.70E-03	4.01E-01
3784	475863.09	3852377.25	0.06847	0.05552	0.05413	0.05236	0.10433	0.04839	0.0686	0.05552	3.29E-01	2.36E-03	1.30E-07	1.27E-03	2.25E-02	3.13E-03	1.12E-02	8.70E-03	3.60E-01
3785	476363.09	3852377.25	0.06696	0.05207	0.05551	0.05344	0.09604	0.04685	0.0572	0.05207	3.21E-01	2.22E-03	1.33E-07	1.29E-03	2.07E-02	3.03E-03	9.34E-03	8.16E-03	3.50E-01
3786	476863.09	3852377.25	0.07001	0.06308	0.06164	0.05341	0.0777	0.04683	0.0633	0.06308	3.36E-01	2.68E-03	1.48E-07	1.29E-03	1.68E-02	3.03E-03	1.03E-02	9.88E-03	3.60E-01
3787	477363.09	3852377.25	0.07619	0.06255	0.06645	0.05543	0.07527	0.04764	0.0708	0.06255	3.66E-01	2.66E-03	1.59E-07	1.34E-03	1.62E-02	3.08E-03	1.16E-02	9.80E-03	3.91E-01
3788	477863.09	3852377.25	0.06818	0.05829	0.04097	0.05767	0.06192	0.04539	0.0588	0.05829	3.27E-01	2.48E-03	9.83E-08	1.40E-03	1.34E-02	2.94E-03	9.59E-03	9.13E-03	3.48E-01
3789	478363.09	3852377.25	0.06443	0.05239	0.04521	0.05582	0.04873	0.04419	0.052	0.05239	3.09E-01	2.23E-03	1.08E-07	1.35E-03	1.05E-02	2.86E-03	8.48E-03	8.21E-03	3.26E-01
3790	478863.09	3852377.25	0.07	0.06831	0.0343	0.06414	0.05058	0.05329	0.0658	0.06831	3.36E-01	2.91E-03	8.23E-08	1.55E-03	1.09E-02	3.45E-03	1.07E-02	1.07E-02	3.55E-01
3791	479363.09	3852377.25	0.07037	0.08377	0.02434	0.05986	0.07714	0.05658	0.0845	0.08377	3.38E-01	3.56E-03	5.84E-08	1.45E-03	1.66E-02	3.66E-03	1.38E-02	1.31E-02	3.64E-01
3792	479863.09	3852377.25	0.0795	0.09988	0.03707	0.0544	0.06677	0.06203	0.1134	0.09988	3.82E-01	4.25E-03	8.89E-08	1.32E-03	1.44E-02	4.01E-03	1.85E-02	1.56E-02	4.08E-01
3793	480363.09	3852377.25	0.09536	0.14972	0.03064	0.04506	0.0674	0.06057	0.1496	0.14972	4.58E-01	6.37E-03	7.35E-08	1.09E-03	1.45E-02	3.92E-03	2.44E-02	2.35E-02	4.85E-01
3794	480863.09	3852377.25	0.084	0.17688	0.03413	0.03729	0.03821	0.05088	0.1822	0.17688	4.03E-01	7.53E-03	8.19E-08	9.03E-04	8.24E-03	3.29E-03	2.97E-02	2.77E-02	4.25E-01
3795	481363.09	3852377.25	0.11188	0.26427	0.03765	0.05367	0.05414	0.0814	0.2665	0.26427	5.37E-01	1.12E-02	9.03E-08	1.30E-03	1.17E-02	5.27E-03	4.35E-02	4.14E-02	5.68E-01
3796	481863.09	3852377.25	0.1591	0.76197	0.03391	0.05194	0.06581	0.08134	0.7665	0.76197	7.64E-01	3.24E-02	8.13E-08	1.26E-03	1.42E-02	5.26E-03	1.25E-01	1.19E-01	8.22E-01
3797	482363.09	3852377.25	0.19843	0.36362	0.05409	0.05942	0.06466	0.11311	0.36	0.36362	9.52E-01	1.55E-02	1.30E-07	1.44E-03	1.39E-02	7.32E-03	5.88E-02	5.70E-02	9.92E-01
3798	482863.09	3852377.25	0.1331	0.1574	0.03983	0.08408	0.06709	0.08531	0.161	0.1574	6.39E-01	6.70E-03	9.55E-08	2.04E-03	1.45E-02	5.52E-03	2.63E-02	2.47E-02	6.69E-01
3799	483363.09	3852377.25	0.14138	0.12786	0.05697	0.08516	0.05117	0.06774	0.1307	0.12786	6.78E-01	5.44E-03	1.37E-07	2.06E-03	1.10E-02	4.38E-03	2.13E-02	2.00E-02	7.03E-01
3800	483863.09	3852377.25	0.12757	0.10929	0.05072	0.05465	0.0562	0.05139	0.1152	0.10929	6.12E-01	4.65E-03	1.22E-07	1.32E-03	1.21E-02	3.33E-03	1.88E-02	1.71E-02	6.35E-01
3801	484363.09	3852377.25	0.16192	0.1083	0.0282	0.05321	0.05639	0.06342	0.1178	0.1083	7.77E-01	4.61E-03	6.76E-08	1.29E-03	1.22E-02	4.10E-03	1.92E-02	1.70E-02	8.01E-01
3802	484863.09	3852377.25	0.1511	0.09462	0.03661	0.06732	0.05229	0.05466	0.1029	0.09462	7.25E-01	4.03E-03	8.78E-08	1.63E-03	1.13E-02	3.54E-03	1.68E-02	1.48E-02	7.48E-01
3803	485363.09	3852377.25	0.10871	0.09306	0.05865	0.06436	0.09096	0.05578	0.0963	0.09306	5.22E-01	3.96E-03	1.41E-07	1.56E-03	1.96E-02	3.61E-03	1.57E-02	1.46E-02	5.52E-01
3804	485863.09	3852377.25	0.09707	0.08275	0.06094	0.04945	0.07764	0.04639	0.0837	0.08275	4.66E-01	3.52E-03	1.46E-07	1.20E-03	1.67E-02	3.00E-03	1.37E-02	1.30E-02	4.91E-01
3805	486363.09	3852377.25	0.09247	0.06524	0.02968	0.03791	0.16998	0.03598	0.0669	0.06524	4.44E-01	2.78E-03	7.12E-08	9.18E-04	3.67E-02	2.33E-03	1.09E-02	1.02E-02	4.87E-01
3806	486863.09	3852377.25	0.09567	0.05557	0.03769	0.03705	0.135	0.02957	0.057	0.05557	4.59E-01	2.36E-03	9.04E-08	8.98E-04	2.91E-02	1.91E-03	9.30E-03	8.71E-03	4.94E-01
3807	487363.09	3852377.25	0.06677	0.05221	0.05184	0.03594	0.06071	0.02551	0.0528	0.05221	3.20E-01	2.22E-03	1.24E-07	8.71E-04	1.31E-02	1.65E-03	8.63E-03	8.18E-03	3.39E-01
3808	487863.09	3852377.25	0.05511	0.04427	0.03682	0.02449	0.06366	0.02622	0.0466	0.04427	2.64E-01	1.88E-03	8.83E-08	5.93E-04	1.37E-02	1.70E-03	7.60E-03	6.93E-03	2.83E-01
3809	488363.09	3852377.25	0.04419	0.03854	0.03911	0.0262	0.068	0.02413	0.0388	0.03854	2.12E-01	1.64E-03	9.38E-08	6.35E-04	1.47E-02	1.56E-03	6.33E-03	6.04E-03	2.31E-01
3810	488863.09	3852377.25	0.04319	0.03513	0.03279	0.02182	0.06629	0.02064	0.0355	0.03513	2.07E-01	1.49E-03	7.86E-08	5.29E-04	1.43E-02	1.34E-03	5.80E-03	5.50E-03	2.25E-01
3811	489363.09	3852377.25	0.04017	0.02953	0.03087	0.021	0.08746	0.02062	0.03	0.02953	1.93E-01	1.26E-03	7.40E-08	5.09E-04	1.89E-02	1.33E-03	4.90E-03	4.63E-03	2.15E-01
3812	489863.09	3852377.25	0.03845	0.0242	0.03189	0.02081	0.08262	0.0204	0.0253	0.0242	1.85E-01	1.03E-03	7.65E-08	5.04E-04	1.78E-02	1.32E-03	4.13E-03	3.79E-03	2.06E-01
3813	490363.09	3852377.25	0.04137	0.02677	0.03112	0.02441	0.05545	0.02002	0.0276	0.02677	1.99E-01	1.14E-03	7.46E-08	5.91E-04	1.20E-02	1.30E-03	4.51E-03	4.19E-03	2.14E-01
3814	490863.09	3852377.25	0.04182	0.02641	0.02725	0.02208	0.04947	0.02092	0.0277	0.02641	2.01E-01	1.12E-03	6.54E-08	5.35E-04	1.07E-02	1.35E-03	4.53E-03	4.14E-03	2.15E-01
3815	491363.09	3852377.25	0.04865	0.02876	0.03588	0.02646	0.07814	0.02309	0.029	0.02876	2.33E-01	1.22E-03	8.61E-08	6.41E-04	1.69E-02	1.49E-03	4.74E-03	4.51E-03	2.54E-01

3816	491863.09	3852377.25	0.04878	0.02889	0.03553	0.02715	0.08911	0.02558	0.0291	0.02889	2.34E-01	1.23E-03	8.52E-08	6.58E-04	1.92E-02	1.66E-03	4.75E-03	4.53E-03	2.57E-01
3817	492363.09	3852377.25	0.04607	0.02878	0.03452	0.02766	0.08866	0.02661	0.029	0.02878	2.21E-01	1.22E-03	8.28E-08	6.70E-04	1.91E-02	1.72E-03	4.73E-03	4.51E-03	2.44E-01
3818	492863.09	3852377.25	0.0486	0.02964	0.03533	0.02702	0.08759	0.02555	0.0302	0.02964	2.33E-01	1.26E-03	8.47E-08	6.55E-04	1.89E-02	1.65E-03	4.92E-03	4.64E-03	2.56E-01
3819	493363.09	3852377.25	0.05135	0.03118	0.03506	0.03448	0.08954	0.02663	0.0315	0.03118	2.46E-01	1.33E-03	8.41E-08	8.35E-04	1.93E-02	1.72E-03	5.14E-03	4.88E-03	2.70E-01
3820	493863.09	3852377.25	0.05081	0.03081	0.03481	0.02671	0.07049	0.02743	0.031	0.03081	2.44E-01	1.31E-03	8.35E-08	6.47E-04	1.52E-02	1.77E-03	5.06E-03	4.83E-03	2.63E-01
3821	494363.09	3852377.25	0.04943	0.02975	0.03514	0.03088	0.04927	0.02629	0.0306	0.02975	2.37E-01	1.27E-03	8.43E-08	7.48E-04	1.06E-02	1.70E-03	5.00E-03	4.66E-03	2.52E-01
3822	494863.09	3852377.25	0.05244	0.03095	0.03701	0.03201	0.06927	0.02602	0.0313	0.03095	2.52E-01	1.32E-03	8.88E-08	7.76E-04	1.49E-02	1.68E-03	5.11E-03	4.85E-03	2.71E-01
3823	495363.09	3852377.25	0.05606	0.03081	0.03684	0.03845	0.09235	0.02577	0.031	0.03081	2.69E-01	1.31E-03	8.84E-08	9.32E-04	1.99E-02	1.67E-03	5.07E-03	4.83E-03	2.93E-01
3824	495863.09	3852377.25	0.05227	0.02825	0.03144	0.04106	0.08952	0.02305	0.0285	0.02825	2.51E-01	1.20E-03	7.54E-08	9.95E-04	1.93E-02	1.49E-03	4.65E-03	4.43E-03	2.74E-01
3825	496363.09	3852377.25	0.04519	0.02597	0.03082	0.03832	0.07802	0.02184	0.0262	0.02597	2.17E-01	1.10E-03	7.39E-08	9.28E-04	1.68E-02	1.41E-03	4.27E-03	4.07E-03	2.37E-01
3826	496863.09	3852377.25	0.04356	0.02388	0.03078	0.03162	0.09674	0.02135	0.0245	0.02388	2.09E-01	1.02E-03	7.38E-08	7.66E-04	2.09E-02	1.38E-03	4.01E-03	3.74E-03	2.33E-01
3827	497363.09	3852377.25	0.03948	0.02049	0.02789	0.02476	0.07733	0.02086	0.0223	0.02049	1.89E-01	8.72E-04	6.69E-08	6.00E-04	1.67E-02	1.35E-03	3.64E-03	3.21E-03	2.09E-01
3828	497863.09	3852377.25	0.03563	0.01725	0.02443	0.01967	0.07676	0.01802	0.0175	0.01725	1.71E-01	7.34E-04	5.86E-08	4.77E-04	1.66E-02	1.17E-03	2.86E-03	2.70E-03	1.90E-01
3829	498363.09	3852377.25	0.02971	0.0154	0.02214	0.01896	0.06992	0.01776	0.0161	0.0154	1.43E-01	6.55E-04	5.31E-08	4.59E-04	1.51E-02	1.15E-03	2.63E-03	2.41E-03	1.60E-01
3830	471363.09	3852877.25	0.07699	0.03615	0.02671	0.02982	0.04994	0.03735	0.0409	0.03615	3.69E-01	1.54E-03	6.41E-08	7.22E-04	1.08E-02	2.42E-03	6.67E-03	5.66E-03	3.86E-01
3831	471863.09	3852877.25	0.08033	0.03741	0.02919	0.03224	0.05243	0.03729	0.0434	0.03741	3.85E-01	1.59E-03	7.00E-08	7.81E-04	1.13E-02	2.41E-03	7.08E-03	5.86E-03	4.03E-01
3832	472363.09	3852877.25	0.08257	0.03889	0.03343	0.03762	0.05429	0.03739	0.0428	0.03889	3.96E-01	1.65E-03	8.02E-08	9.11E-04	1.17E-02	2.42E-03	6.98E-03	6.09E-03	4.14E-01
3833	472863.09	3852877.25	0.08272	0.04007	0.03525	0.04168	0.05258	0.04767	0.0438	0.04007	3.97E-01	1.70E-03	8.45E-08	1.01E-03	1.13E-02	3.08E-03	7.14E-03	6.28E-03	4.15E-01
3834	473363.09	3852877.25	0.08168	0.04172	0.03882	0.04431	0.0555	0.04853	0.0465	0.04172	3.92E-01	1.78E-03	9.31E-08	1.07E-03	1.20E-02	3.14E-03	7.59E-03	6.54E-03	4.11E-01
3835	473863.09	3852877.25	0.08273	0.04355	0.04299	0.04593	0.0596	0.04759	0.0467	0.04355	3.97E-01	1.85E-03	1.03E-07	1.11E-03	1.29E-02	3.08E-03	7.63E-03	6.82E-03	4.17E-01
3836	474363.09	3852877.25	0.08321	0.04667	0.04674	0.04908	0.07161	0.05169	0.0534	0.04667	3.99E-01	1.99E-03	1.12E-07	1.19E-03	1.54E-02	3.34E-03	8.72E-03	7.31E-03	4.23E-01
3837	474863.09	3852877.25	0.08528	0.0456	0.05355	0.04872	0.07939	0.05099	0.0509	0.0456	4.09E-01	1.94E-03	1.28E-07	1.18E-03	1.71E-02	3.30E-03	8.31E-03	7.14E-03	4.34E-01
3838	475363.09	3852877.25	0.08611	0.0463	0.0597	0.05542	0.07483	0.04868	0.0576	0.0463	4.13E-01	1.97E-03	1.43E-07	1.34E-03	1.61E-02	3.15E-03	9.41E-03	7.25E-03	4.38E-01
3839	475863.09	3852877.25	0.08994	0.04734	0.05497	0.0592	0.06126	0.05059	0.059	0.04734	4.32E-01	2.01E-03	1.32E-07	1.43E-03	1.32E-02	3.27E-03	9.62E-03	7.42E-03	4.54E-01
3840	476363.09	3852877.25	0.08628	0.0463	0.05269	0.05494	0.0824	0.04817	0.0586	0.0463	4.14E-01	1.97E-03	1.26E-07	1.33E-03	1.78E-02	3.12E-03	9.57E-03	7.25E-03	4.41E-01
3841	476863.09	3852877.25	0.08623	0.04294	0.0389	0.0531	0.08384	0.04234	0.0543	0.04294	4.14E-01	1.83E-03	9.33E-08	1.29E-03	1.81E-02	2.74E-03	8.87E-03	6.73E-03	4.40E-01
3842	477363.09	3852877.25	0.07207	0.03976	0.04026	0.05013	0.09784	0.04386	0.0506	0.03976	3.46E-01	1.69E-03	9.66E-08	1.21E-03	2.11E-02	2.84E-03	8.26E-03	6.23E-03	3.75E-01
3843	477863.09	3852877.25	0.07199	0.03842	0.04197	0.0461	0.0934	0.04479	0.0408	0.03842	3.45E-01	1.63E-03	1.01E-07	1.12E-03	2.01E-02	2.90E-03	6.66E-03	6.02E-03	3.72E-01
3844	478363.09	3852877.25	0.05206	0.03324	0.03067	0.03912	0.0709	0.03523	0.0335	0.03324	2.50E-01	1.41E-03	7.36E-08	9.48E-04	1.53E-02	2.28E-03	5.46E-03	5.21E-03	2.70E-01
3845	478863.09	3852877.25	0.06207	0.04175	0.0408	0.04515	0.05037	0.03889	0.0359	0.04175	2.98E-01	1.78E-03	9.79E-08	1.09E-03	1.09E-02	2.52E-03	5.86E-03	6.54E-03	3.13E-01
3846	479363.09	3852877.25	0.07194	0.04986	0.04475	0.05665	0.0525	0.04972	0.0493	0.04986	3.45E-01	2.12E-03	1.07E-07	1.37E-03	1.13E-02	3.22E-03	8.05E-03	7.81E-03	3.64E-01
3847	479863.09	3852877.25	0.07642	0.07638	0.0402	0.07851	0.06144	0.06669	0.0797	0.07638	3.67E-01	3.25E-03	9.64E-08	1.90E-03	1.33E-02	4.32E-03	1.30E-02	1.20E-02	3.90E-01
3848	480363.09	3852877.25	0.09001	0.10623	0.0381	0.0718	0.08241	0.08202	0.1092	0.10623	4.32E-01	4.52E-03	9.14E-08	1.74E-03	1.78E-02	5.31E-03	1.78E-02	1.66E-02	4.62E-01
3849	480863.09	3852877.25	0.11701	0.13524	0.03827	0.06197	0.07228	0.07821	0.138	0.13524	5.62E-01	5.75E-03	9.18E-08	1.50E-03	1.56E-02	5.06E-03	2.25E-02	2.12E-02	5.91E-01
3850	481363.09	3852877.25	0.13106	0.17441	0.03801	0.05126	0.05276	0.07782	0.1759	0.17441	6.29E-01	7.42E-03	9.12E-08	1.24E-03	1.14E-02	5.04E-03	2.87E-02	2.73E-02	6.55E-01
3851	481863.09	3852877.25	0.13153	0.26392	0.04288	0.07944	0.05161	0.09242	0.267	0.26392	6.31E-01	1.12E-02	1.03E-07	1.92E-03	1.11E-02	5.98E-03	4.36E-02	4.13E-02	6.64E-01
3852	482363.09	3852877.25	0.21126	0.87941	0.05658	0.06945	0.07706	0.13303	0.8922	0.87941	1.01E+00	3.74E-02	1.36E-07	1.68E-03	1.66E-02	8.61E-03	1.46E-01	1.38E-01	1.09E+00
3853	482863.09	3852877.25	0.20055	0.31459	0.08261	0.08269	0.06944	0.12915	0.3171	0.31459	9.62E-01	1.34E-02	1.98E-07	2.00E-03	1.50E-02	8.36E-03	5.18E-02	4.93E-02	1.00E+00
3854	483363.09	3852877.25	0.15053	0.14653	0.06799	0.09124	0.07463	0.11601	0.1519	0.14653	7.22E-01	6.23E-03	1.63E-07	2.21E-03	1.61E-02	7.51E-03	2.48E-02	2.30E-02	7.56E-01
3855	483863.09	3852877.25	0.19751	0.08057	0.06592	0.09024	0.06564	0.06685	0.0921	0.08057	9.48E-01	3.43E-03	1.58E-07	2.19E-03	1.42E-02	4.33E-03	1.50E-02	1.26E-02	9.74E-01
3856	484363.09	3852877.25	0.19353	0.09721	0.0476	0.08612	0.06494	0.0703	0.1077	0.09721	9.29E-01	4.14E-03	1.14E-07	2.09E-03	1.40E-02	4.55E-03	1.76E-02	1.52E-02	9.56E-01
3857	484863.09	3852877.25	0.16914	0.09952	0.04247	0.09222	0.05982	0.08054	0.1213	0.09952	8.12E-01	4.23E-03	1.02E-07	2.23E-03	1.29E-02	5.21E-03	1.98E-02	1.56E-02	8.40E-01
3858	485363.09	3852877.25	0.11695	0.09279	0.07104	0.05326	0.066	0.05044	0.1001	0.09279	5.61E-01	3.95E-03	1.70E-07	1.29E-03	1.42E-02	3.26E-03	1.63E-02	1.45E-02	5.86E-01
3859	485863.09	3852877.25	0.10924	0.07831	0.04158	0.0404	0.08002	0.03703	0.0792	0.07831	5.24E-01	3.33E-03	9.97E-08	9.79E-04	1.73E-02	2.40E-03	1.29E-02	1.23E-02	5.49E-01
3860	486363.09	3852877.25	0.10136	0.05392	0.04212	0.03586	0.11452	0.03012	0.0551	0.05392	4.86E-01	2.29E-03	1.01E-07	8.69E-04	2.47E-02	1.95E-03	9.00E-03	8.45E-03	5.17E-01
3861	486863.09	3852877.25	0.09647	0.05442	0.05082	0.04007	0.17879	0.03145	0.0562	0.05442	4.63E-01	2.32E-03	1.22E-07	9.71E-04	3.86E-02	2.03E-03	9.17E-03	8.52E-03	5.07E-01
3862	487363.09	3852877.25	0.06007	0.04516	0.04403	0.03778	0.06428	0.02886	0.0457	0.04516	2.88E-01	1.92E-03	1.06E-07	9.15E-04	1.39E-02	1.87E-03	7.46E-03	7.07E-03	3.07E-01
3863	487863.09	3852877.25	0.05128	0.03908	0.0476	0.03005	0.06798	0.02699	0.0413	0.03908	2.46E-01	1.66E-03	1.14E-07	7.28E-04	1.47E-02	1.75E-03	6.73E-03	6.12E-03	2.65E-01
3864	488363.09	3852877.25	0.03945	0.02491	0.03932	0.02289	0.07766	0.02284	0.0253	0.02491	1.89E-01	1.06E-03	9.43E-08	5.55E-04	1.67E-02	1.48E-03	4.13E-03	3.90E-03	2.09E-01
3865	488863.09	3852877.25	0.04415	0.02779	0.03842	0.02219	0.06924	0.02117	0.0285	0.02779	2.12E-01	1.18E-03	9.21E-08	5.38E-04	1.49E-02	1.37E-03	4.65E-03	4.35E-03	2.30E-01
3866	489363.09	3852877.25	0.04437	0.02661	0.03253	0.0231	0.0979	0.02301	0.0275	0.02661	2.13E-01	1.13E-03	7.80E-08	5.60E-04	2.11E-02	1.49E-03	4.49E-03	4.17E-03	2.38E-01
3867	489863.09	3852877.25	0.04206	0.025	0.0382	0.02372	0.0782	0.02173	0.0257	0.025	2.02E-01	1.06E-03	9.16E-08	5.75E-04	1.69E-02	1.41E-03	4.20E-03	3.92E-03	2.22E-01
3868	490363.09	3852877.25	0.05019	0.03302	0.03859	0.028	0.07115	0.02349	0.0349	0.03302	2.41E-01	1.40E-03	9.26E-08	6.78E-04	1.53E-02	1.52E-03	5.70E-03	5.17E-03	2.60E-01
3869	490863.09	3852877.25	0.05481	0.03484	0.04161	0.03053	0.0765	0.0261	0.0369	0.03484	2.63E-01	1.48E-03	9.98E-08	7.40E-04	1.65E-02	1.69E-03	6.02E-03	5.46E-03	2.84E-01
3870	491363.09	3852877.25	0.05641	0.03387	0.04119	0.03633	0.09555	0.0295	0.0353	0.03387	2.71E-01	1.44E-03	9.88E-08	8.80E-04	2.06E-02	1.91E-03	5.76E-03	5.31E-03	2.96E-01
3871	491863.09	3852877.25	0.05915	0.0325	0.04448	0.03332	0.10702	0.0316	0.0341	0.0325	2.84E-01	1.38E-03	1.07E-07	8.07E-04	2.31E-02	2.04E-03	5.57E-03	5.09E-03	3.12E-01
3872	492363.09	3852877.25	0.06403	0.03187	0.04517	0.03576	0.10382	0.03229	0.0327	0.03187	3.07E-01	1.36E-03	1.08E-07	8.66E-04	2.24E-02	2.09E-03	5.34E-03	4.99E-03	3.34E-01

3873	492863.09	3852877.25	0.06651	0.03233	0.04284	0.03618	0.09527	0.03254	0.0352	0.03233	3.19E-01	1.38E-03	1.03E-07	8.77E-04	2.05E-02	2.11E-03	5.75E-03	5.06E-03	3.45E-01
3874	493363.09	3852877.25	0.06948	0.03169	0.04356	0.03854	0.06972	0.03159	0.0342	0.03169	3.33E-01	1.35E-03	1.04E-07	9.34E-04	1.50E-02	2.04E-03	5.59E-03	4.96E-03	3.53E-01
3875	493863.09	3852877.25	0.06991	0.03129	0.04027	0.04222	0.08643	0.03217	0.0343	0.03129	3.35E-01	1.33E-03	9.66E-08	1.02E-03	1.86E-02	2.08E-03	5.59E-03	4.90E-03	3.59E-01
3876	494363.09	3852877.25	0.07143	0.03117	0.0376	0.0394	0.10608	0.03083	0.0325	0.03117	3.43E-01	1.33E-03	9.02E-08	9.55E-04	2.29E-02	1.99E-03	5.30E-03	4.88E-03	3.70E-01
3877	494863.09	3852877.25	0.06631	0.03004	0.03735	0.04153	0.13493	0.03098	0.0312	0.03004	3.18E-01	1.28E-03	8.96E-08	1.01E-03	2.91E-02	2.00E-03	5.09E-03	4.71E-03	3.52E-01
3878	495363.09	3852877.25	0.0614	0.0292	0.03745	0.04437	0.1028	0.02732	0.0294	0.0292	2.95E-01	1.24E-03	8.98E-08	1.07E-03	2.22E-02	1.77E-03	4.81E-03	4.57E-03	3.21E-01
3879	495863.09	3852877.25	0.05116	0.02835	0.03503	0.04146	0.1038	0.02391	0.0286	0.02835	2.46E-01	1.21E-03	8.40E-08	1.00E-03	2.24E-02	1.55E-03	4.66E-03	4.44E-03	2.72E-01
3880	496363.09	3852877.25	0.05029	0.02756	0.03541	0.03688	0.11873	0.02384	0.0284	0.02756	2.41E-01	1.17E-03	8.49E-08	8.93E-04	2.56E-02	1.54E-03	4.63E-03	4.32E-03	2.71E-01
3881	496863.09	3852877.25	0.04735	0.02471	0.03055	0.0279	0.12011	0.02333	0.0278	0.02471	2.27E-01	1.05E-03	7.33E-08	6.76E-04	2.59E-02	1.51E-03	4.54E-03	3.87E-03	2.57E-01
3882	497363.09	3852877.25	0.04021	0.02203	0.02503	0.0221	0.08068	0.02211	0.0239	0.02203	1.93E-01	9.37E-04	6.00E-08	5.35E-04	1.74E-02	1.43E-03	3.89E-03	3.45E-03	2.14E-01
3883	497863.09	3852877.25	0.03022	0.01468	0.02467	0.02076	0.06799	0.01657	0.0148	0.01468	1.45E-01	6.25E-04	5.92E-08	5.03E-04	1.47E-02	1.07E-03	2.41E-03	2.30E-03	1.62E-01
3884	498363.09	3852877.25	0.02955	0.01387	0.02173	0.0214	0.06033	0.0165	0.0141	0.01387	1.42E-01	5.90E-04	5.21E-08	5.18E-04	1.30E-02	1.07E-03	2.31E-03	2.17E-03	1.57E-01
3885	471363.09	3853377.25	0.08357	0.03511	0.02174	0.03688	0.06913	0.02851	0.0375	0.03511	4.01E-01	1.49E-03	5.21E-08	8.93E-04	1.49E-02	1.84E-03	6.13E-03	5.50E-03	4.21E-01
3886	471863.09	3853377.25	0.08652	0.03645	0.02595	0.03851	0.0634	0.03327	0.041	0.03645	4.15E-01	1.55E-03	6.22E-08	9.33E-04	1.37E-02	2.15E-03	6.70E-03	5.71E-03	4.34E-01
3887	472363.09	3853377.25	0.08829	0.0365	0.02707	0.03992	0.05705	0.0359	0.0418	0.0365	4.24E-01	1.55E-03	6.49E-08	9.67E-04	1.23E-02	2.32E-03	6.83E-03	5.72E-03	4.42E-01
3888	472863.09	3853377.25	0.09017	0.03771	0.03052	0.04185	0.05194	0.04106	0.042	0.03771	4.33E-01	1.60E-03	7.32E-08	1.01E-03	1.12E-02	2.66E-03	6.86E-03	5.91E-03	4.50E-01
3889	473363.09	3853377.25	0.09136	0.03877	0.03368	0.04361	0.05525	0.04347	0.0448	0.03877	4.38E-01	1.65E-03	8.08E-08	1.06E-03	1.19E-02	2.81E-03	7.31E-03	6.07E-03	4.57E-01
3890	473863.09	3853377.25	0.09253	0.04017	0.03946	0.04616	0.05794	0.04956	0.047	0.04017	4.44E-01	1.71E-03	9.46E-08	1.12E-03	1.25E-02	3.21E-03	7.67E-03	6.29E-03	4.64E-01
3891	474363.09	3853377.25	0.09448	0.04126	0.04067	0.04885	0.05975	0.05213	0.0458	0.04126	4.53E-01	1.76E-03	9.75E-08	1.18E-03	1.29E-02	3.37E-03	7.47E-03	6.46E-03	4.74E-01
3892	474863.09	3853377.25	0.09137	0.0401	0.04193	0.0487	0.05978	0.05092	0.0419	0.0401	4.38E-01	1.71E-03	1.01E-07	1.18E-03	1.29E-02	3.29E-03	6.84E-03	6.28E-03	4.58E-01
3893	475363.09	3853377.25	0.08838	0.0398	0.04096	0.04657	0.0695	0.04846	0.0397	0.0398	4.24E-01	1.69E-03	9.82E-08	1.13E-03	1.50E-02	3.14E-03	6.48E-03	6.23E-03	4.45E-01
3894	475863.09	3853377.25	0.09199	0.04041	0.05109	0.04743	0.07961	0.05058	0.0397	0.04041	4.41E-01	1.72E-03	1.23E-07	1.15E-03	1.72E-02	3.27E-03	6.48E-03	6.33E-03	4.65E-01
3895	476363.09	3853377.25	0.09035	0.04071	0.04356	0.04678	0.09498	0.04771	0.0389	0.04071	4.34E-01	1.73E-03	1.04E-07	1.13E-03	2.05E-02	3.09E-03	6.34E-03	6.38E-03	4.60E-01
3896	476863.09	3853377.25	0.0796	0.03353	0.04586	0.04592	0.08195	0.04451	0.0338	0.03353	3.82E-01	1.43E-03	1.10E-07	1.11E-03	1.77E-02	2.88E-03	5.52E-03	5.25E-03	4.05E-01
3897	477363.09	3853377.25	0.07276	0.03197	0.04265	0.04679	0.07073	0.04264	0.0365	0.03197	3.49E-01	1.36E-03	1.02E-07	1.13E-03	1.53E-02	2.76E-03	5.95E-03	5.01E-03	3.71E-01
3898	477863.09	3853377.25	0.07137	0.03034	0.04025	0.04589	0.07956	0.04194	0.038	0.03034	3.42E-01	1.29E-03	9.65E-08	1.11E-03	1.72E-02	2.71E-03	6.21E-03	4.75E-03	3.66E-01
3899	478363.09	3853377.25	0.06389	0.02771	0.03863	0.04486	0.08826	0.03923	0.0343	0.02771	3.07E-01	1.18E-03	9.26E-08	1.09E-03	1.90E-02	2.54E-03	5.59E-03	4.34E-03	3.32E-01
3900	478863.09	3853377.25	0.05123	0.02367	0.03143	0.03525	0.08265	0.03294	0.0259	0.02367	2.46E-01	1.01E-03	7.54E-08	8.54E-04	1.78E-02	2.13E-03	4.23E-03	3.71E-03	2.68E-01
3901	479363.09	3853377.25	0.06518	0.04018	0.04313	0.04738	0.09122	0.04723	0.043	0.04018	3.13E-01	1.71E-03	1.03E-07	1.15E-03	1.97E-02	3.06E-03	7.03E-03	6.29E-03	3.39E-01
3902	479863.09	3853377.25	0.09116	0.052	0.06417	0.06456	0.0834	0.05408	0.0551	0.052	4.37E-01	2.21E-03	1.54E-07	1.56E-03	1.80E-02	3.50E-03	8.99E-03	8.15E-03	4.64E-01
3903	480363.09	3853377.25	0.10374	0.06985	0.05646	0.09623	0.06834	0.07419	0.0861	0.06985	4.98E-01	2.97E-03	1.35E-07	2.33E-03	1.47E-02	4.80E-03	1.40E-02	1.09E-02	5.26E-01
3904	480863.09	3853377.25	0.11306	0.07555	0.04625	0.10519	0.09121	0.08552	0.0819	0.07555	5.43E-01	3.21E-03	1.11E-07	2.55E-03	1.97E-02	5.53E-03	1.34E-02	1.18E-02	5.75E-01
3905	481363.09	3853377.25	0.15191	0.09826	0.05322	0.11882	0.09587	0.12343	0.1169	0.09826	7.29E-01	4.18E-03	1.28E-07	2.88E-03	2.07E-02	7.99E-03	1.91E-02	1.54E-02	7.68E-01
3906	481863.09	3853377.25	0.19164	0.18	0.04706	0.09968	0.08493	0.10398	0.1724	0.18	9.20E-01	7.66E-03	1.13E-07	2.41E-03	1.83E-02	6.73E-03	2.81E-02	2.82E-02	9.55E-01
3907	482363.09	3853377.25	0.19512	0.27952	0.06053	0.08562	0.05591	0.1978	0.283	0.27952	9.36E-01	1.19E-02	1.45E-07	2.07E-03	1.21E-02	1.28E-02	4.62E-02	4.38E-02	9.78E-01
3908	482863.09	3853377.25	0.27831	0.57862	0.13923	0.13801	0.08717	0.19719	0.636	0.57862	1.34E+00	2.46E-02	3.34E-07	3.34E-03	1.88E-02	1.28E-02	1.04E-01	9.06E-02	1.41E+00
3909	483363.09	3853377.25	0.21528	0.25623	0.07675	0.14588	0.07604	0.19168	0.2627	0.25623	1.03E+00	1.09E-02	1.84E-07	3.53E-03	1.64E-02	1.24E-02	4.29E-02	4.01E-02	1.08E+00
3910	483863.09	3853377.25	0.22079	0.16389	0.08045	0.13598	0.08185	0.1424	0.1667	0.16389	1.06E+00	6.97E-03	1.93E-07	3.29E-03	1.77E-02	9.21E-03	2.72E-02	2.57E-02	1.10E+00
3911	484363.09	3853377.25	0.21171	0.09421	0.09026	0.14223	0.06901	0.10568	0.1181	0.09421	1.02E+00	4.01E-03	2.16E-07	3.45E-03	1.49E-02	6.84E-03	1.93E-02	1.48E-02	1.05E+00
3912	484863.09	3853377.25	0.2091	0.06782	0.09041	0.10496	0.07082	0.09435	0.0892	0.06782	1.00E+00	2.89E-03	2.17E-07	2.54E-03	1.53E-02	6.10E-03	1.46E-02	1.06E-02	1.03E+00
3913	485363.09	3853377.25	0.14913	0.06263	0.05669	0.05076	0.05796	0.05134	0.0672	0.06263	7.16E-01	2.66E-03	1.36E-07	1.23E-03	1.25E-02	3.32E-03	1.10E-02	9.81E-03	7.37E-01
3914	485863.09	3853377.25	0.08813	0.06166	0.05145	0.03981	0.06686	0.04192	0.0627	0.06166	4.23E-01	2.62E-03	1.23E-07	9.64E-04	1.44E-02	2.71E-03	1.02E-02	9.66E-03	4.44E-01
3915	486363.09	3853377.25	0.09516	0.05835	0.05747	0.04134	0.08418	0.03944	0.0591	0.05835	4.57E-01	2.48E-03	1.38E-07	1.00E-03	1.82E-02	2.55E-03	9.65E-03	9.14E-03	4.81E-01
3916	486863.09	3853377.25	0.09337	0.05399	0.06164	0.04082	0.15232	0.03211	0.0601	0.05399	4.48E-01	2.30E-03	1.48E-07	9.89E-04	3.29E-02	2.08E-03	9.81E-03	8.46E-03	4.88E-01
3917	487363.09	3853377.25	0.07778	0.05658	0.06754	0.04383	0.07343	0.03309	0.0593	0.05658	3.73E-01	2.41E-03	1.62E-07	1.06E-03	1.58E-02	2.14E-03	9.67E-03	8.86E-03	3.96E-01
3918	487863.09	3853377.25	0.07272	0.04596	0.0601	0.04033	0.07334	0.03547	0.0502	0.04596	3.49E-01	1.96E-03	1.44E-07	9.77E-04	1.58E-02	2.29E-03	8.19E-03	7.20E-03	3.71E-01
3919	488363.09	3853377.25	0.07181	0.04726	0.06131	0.04193	0.0911	0.03585	0.0496	0.04726	3.45E-01	2.01E-03	1.47E-07	1.02E-03	1.96E-02	2.32E-03	8.09E-03	7.40E-03	3.70E-01
3920	488863.09	3853377.25	0.07271	0.04419	0.06327	0.04176	0.13165	0.03633	0.047	0.04419	3.49E-01	1.88E-03	1.52E-07	1.01E-03	2.84E-02	2.35E-03	7.66E-03	6.92E-03	3.83E-01
3921	489363.09	3853377.25	0.07198	0.04629	0.04806	0.04244	0.12182	0.0358	0.0468	0.04629	3.45E-01	1.97E-03	1.15E-07	1.03E-03	2.63E-02	2.32E-03	7.64E-03	7.25E-03	3.77E-01
3922	489863.09	3853377.25	0.06565	0.04411	0.05032	0.03743	0.09155	0.03356	0.0459	0.04411	3.15E-01	1.88E-03	1.21E-07	9.07E-04	1.97E-02	2.17E-03	7.48E-03	6.91E-03	3.40E-01
3923	490363.09	3853377.25	0.07266	0.04529	0.05261	0.03841	0.0768	0.03431	0.0457	0.04529	3.49E-01	1.93E-03	1.26E-07	9.31E-04	1.66E-02	2.22E-03	7.46E-03	7.09E-03	3.71E-01
3924	490863.09	3853377.25	0.07654	0.04212	0.0551	0.04217	0.10076	0.03644	0.0425	0.04212	3.67E-01	1.79E-03	1.32E-07	1.02E-03	2.17E-02	2.36E-03	6.93E-03	6.60E-03	3.95E-01
3925	491363.09	3853377.25	0.08384	0.03913	0.056	0.04494	0.13882	0.03634	0.0408	0.03913	4.02E-01	1.66E-03	1.34E-07	1.09E-03	2.99E-02	2.35E-03	6.66E-03	6.13E-03	4.38E-01
3926	491863.09	3853377.25	0.08878	0.03985	0.05109	0.04449	0.13256	0.03647	0.0416	0.03985	4.26E-01	1.70E-03	1.23E-07	1.08E-03	2.86E-02	2.36E-03	6.80E-03	6.24E-03	4.60E-01
3927	492363.09	3853377.25	0.0887	0.03711	0.04366	0.04259	0.11481	0.03734	0.0402	0.03711	4.26E-01	1.58E-03	1.05E-07	1.03E-03	2.48E-02	2.42E-03	6.56E-03	5.81E-03	4.56E-01
3928	492863.09	3853377.25	0.08563	0.0365	0.04435	0.04981	0.09174	0.03746	0.0411	0.0365	4.11E-01	1.55E-03	1.06E-07	1.21E-03	1.98E-02	2.42E-03	6.71E-03	5.72E-03	4.37E-01
3929	493363.09	3853377.25	0.08477	0.03405	0.04929	0.04582	0.1528	0.03933	0.0409	0.03405	4.07E-01	1.45E-03	1.18E-07	1.11E-03	3.30E-02	2.54E-03	6.67E-03	5.33E-03	4.46E-01

3930	493863.09	3853377.25	0.08552	0.03243	0.05171	0.05133	0.17432	0.03695	0.0399	0.03243	4.10E-01	1.38E-03	1.24E-07	1.24E-03	3.76E-02	2.39E-03	6.51E-03	5.08E-03	4.54E-01
3931	494363.09	3853377.25	0.07932	0.03154	0.04579	0.04046	0.15305	0.03343	0.0388	0.03154	3.81E-01	1.34E-03	1.10E-07	9.80E-04	3.30E-02	2.16E-03	6.33E-03	4.94E-03	4.20E-01
3932	494863.09	3853377.25	0.07451	0.03032	0.04334	0.04496	0.12172	0.03051	0.0344	0.03032	3.58E-01	1.29E-03	1.04E-07	1.09E-03	2.63E-02	1.97E-03	5.61E-03	4.75E-03	3.89E-01
3933	495363.09	3853377.25	0.07216	0.02951	0.04263	0.05311	0.12733	0.02817	0.0323	0.02951	3.46E-01	1.26E-03	1.02E-07	1.29E-03	2.75E-02	1.82E-03	5.27E-03	4.62E-03	3.79E-01
3934	495863.09	3853377.25	0.06704	0.02813	0.03907	0.04247	0.12797	0.02755	0.0295	0.02813	3.22E-01	1.20E-03	9.37E-08	1.03E-03	2.76E-02	1.78E-03	4.81E-03	4.41E-03	3.54E-01
3935	496363.09	3853377.25	0.05666	0.0249	0.0375	0.03188	0.11332	0.0262	0.0263	0.0249	2.72E-01	1.06E-03	8.99E-08	7.72E-04	2.44E-02	1.70E-03	4.30E-03	3.90E-03	3.00E-01
3936	496863.09	3853377.25	0.05001	0.02397	0.03312	0.02452	0.1071	0.02516	0.0242	0.02397	2.40E-01	1.02E-03	7.94E-08	5.94E-04	2.31E-02	1.63E-03	3.94E-03	3.75E-03	2.67E-01
3937	497363.09	3853377.25	0.03836	0.01984	0.02738	0.02247	0.08832	0.02233	0.0203	0.01984	1.84E-01	8.44E-04	6.57E-08	5.44E-04	1.90E-02	1.44E-03	3.31E-03	3.11E-03	2.06E-01
3938	497863.09	3853377.25	0.03077	0.0121	0.02225	0.02135	0.0659	0.0169	0.0129	0.0121	1.48E-01	5.15E-04	5.34E-08	5.17E-04	1.42E-02	1.09E-03	2.10E-03	1.90E-03	1.64E-01
3939	498363.09	3853377.25	0.02879	0.0114	0.01895	0.01557	0.05391	0.01639	0.011	0.0114	1.38E-01	4.85E-04	4.54E-08	3.77E-04	1.16E-02	1.06E-03	1.80E-03	1.79E-03	1.52E-01
3940	471363.09	3853877.25	0.08179	0.03459	0.02684	0.0331	0.05616	0.02878	0.0349	0.03459	3.93E-01	1.47E-03	6.44E-08	8.02E-04	1.21E-02	1.86E-03	5.70E-03	5.42E-03	4.09E-01
3941	471863.09	3853877.25	0.08648	0.03642	0.02617	0.03806	0.06372	0.03121	0.0368	0.03642	4.15E-01	1.55E-03	6.28E-08	9.22E-04	1.37E-02	2.02E-03	6.00E-03	5.71E-03	4.34E-01
3942	472363.09	3853877.25	0.09156	0.03668	0.02691	0.04052	0.08843	0.03163	0.0374	0.03668	4.39E-01	1.56E-03	6.45E-08	9.82E-04	1.91E-02	2.05E-03	6.11E-03	5.75E-03	4.63E-01
3943	472863.09	3853877.25	0.0977	0.03727	0.03161	0.04384	0.08483	0.03429	0.0402	0.03727	4.69E-01	1.59E-03	7.58E-08	1.06E-03	1.83E-02	2.22E-03	6.56E-03	5.84E-03	4.93E-01
3944	473363.09	3853877.25	0.10417	0.03773	0.03228	0.04533	0.08997	0.03956	0.0429	0.03773	5.00E-01	1.61E-03	7.74E-08	1.10E-03	1.94E-02	2.56E-03	7.01E-03	5.91E-03	5.26E-01
3945	473863.09	3853877.25	0.10591	0.03818	0.03362	0.04457	0.07331	0.04661	0.0444	0.03818	5.08E-01	1.62E-03	8.06E-08	1.08E-03	1.58E-02	3.02E-03	7.25E-03	5.98E-03	5.31E-01
3946	474363.09	3853877.25	0.10671	0.03837	0.03724	0.04504	0.06581	0.04975	0.0447	0.03837	5.12E-01	1.63E-03	8.93E-08	1.09E-03	1.42E-02	3.22E-03	7.30E-03	6.01E-03	5.34E-01
3947	474863.09	3853877.25	0.10619	0.03945	0.03623	0.04568	0.06031	0.05158	0.0446	0.03945	5.10E-01	1.68E-03	8.69E-08	1.11E-03	1.30E-02	3.34E-03	7.28E-03	6.18E-03	5.30E-01
3948	475363.09	3853877.25	0.09891	0.03731	0.03629	0.04917	0.06177	0.05408	0.0407	0.03731	4.75E-01	1.59E-03	8.70E-08	1.19E-03	1.33E-02	3.50E-03	6.64E-03	5.84E-03	4.95E-01
3949	475863.09	3853877.25	0.08576	0.03335	0.04047	0.04475	0.06456	0.05123	0.0331	0.03335	4.12E-01	1.42E-03	9.71E-08	1.08E-03	1.39E-02	3.31E-03	5.40E-03	5.22E-03	4.31E-01
3950	476363.09	3853877.25	0.07432	0.03509	0.03668	0.03452	0.05329	0.04607	0.0324	0.03509	3.57E-01	1.49E-03	8.80E-08	8.36E-04	1.15E-02	2.98E-03	5.30E-03	5.50E-03	3.73E-01
3951	476863.09	3853877.25	0.05752	0.0301	0.03592	0.02835	0.06589	0.04124	0.0294	0.0301	2.76E-01	1.28E-03	8.61E-08	6.87E-04	1.42E-02	2.67E-03	4.80E-03	4.72E-03	2.95E-01
3952	477363.09	3853877.25	0.06607	0.0309	0.04012	0.03514	0.08163	0.04073	0.0272	0.0309	3.17E-01	1.31E-03	9.62E-08	8.51E-04	1.76E-02	2.64E-03	4.44E-03	4.84E-03	3.39E-01
3953	477863.09	3853877.25	0.0764	0.03254	0.04696	0.04314	0.06722	0.04213	0.0301	0.03254	3.67E-01	1.38E-03	1.13E-07	1.05E-03	1.45E-02	2.73E-03	4.92E-03	5.10E-03	3.86E-01
3954	478363.09	3853877.25	0.07505	0.02871	0.04569	0.04618	0.0749	0.03923	0.0299	0.02871	3.60E-01	1.22E-03	1.10E-07	1.12E-03	1.62E-02	2.54E-03	4.87E-03	4.50E-03	3.82E-01
3955	478863.09	3853877.25	0.05998	0.02287	0.03409	0.02992	0.07338	0.03106	0.0245	0.02287	2.88E-01	9.73E-04	8.18E-08	7.25E-04	1.58E-02	2.01E-03	4.00E-03	3.58E-03	3.08E-01
3956	479363.09	3853877.25	0.07051	0.02738	0.0415	0.03877	0.09181	0.03746	0.0281	0.02738	3.38E-01	1.16E-03	9.95E-08	9.39E-04	1.98E-02	2.42E-03	4.59E-03	4.29E-03	3.63E-01
3957	479863.09	3853877.25	0.10946	0.0398	0.07238	0.06441	0.13519	0.04956	0.0486	0.0398	5.25E-01	1.69E-03	1.74E-07	1.56E-03	2.92E-02	3.21E-03	7.92E-03	6.23E-03	5.63E-01
3958	480363.09	3853877.25	0.12297	0.05559	0.0845	0.0911	0.11494	0.07226	0.0659	0.05559	5.90E-01	2.37E-03	2.03E-07	2.21E-03	2.48E-02	4.68E-03	1.08E-02	8.71E-03	6.26E-01
3959	480863.09	3853877.25	0.13819	0.07839	0.13906	0.12641	0.12187	0.10159	0.0986	0.07839	6.63E-01	3.34E-03	3.34E-07	3.06E-03	2.63E-02	6.57E-03	1.61E-02	1.23E-02	7.06E-01
3960	481363.09	3853877.25	0.13848	0.09995	0.08093	0.15078	0.08313	0.13307	0.1208	0.09995	6.65E-01	4.25E-03	1.94E-07	3.65E-03	1.79E-02	8.61E-03	1.97E-02	1.57E-02	7.03E-01
3961	481863.09	3853877.25	0.18813	0.14904	0.10106	0.16372	0.10872	0.1906	0.1604	0.14904	9.03E-01	6.34E-03	2.42E-07	3.97E-03	2.34E-02	1.23E-02	2.62E-02	2.33E-02	9.52E-01
3962	482363.09	3853877.25	0.25608	0.22348	0.0749	0.20651	0.09783	0.34565	0.2066	0.22348	1.23E+00	9.51E-03	1.80E-07	5.00E-03	2.11E-02	2.24E-02	3.37E-02	3.50E-02	1.29E+00
3963	482863.09	3853877.25	0.43061	0.9261	0.16666	0.32357	0.10358	0.85614	0.6206	0.9261	2.07E+00	3.94E-02	4.00E-07	7.84E-03	2.23E-02	5.54E-02	1.01E-01	1.45E-01	2.15E+00
3964	483363.09	3853877.25	0.38503	0.22599	0.11828	0.45565	0.10178	0.52111	0.2804	0.22599	1.85E+00	9.62E-03	2.84E-07	1.10E-02	2.20E-02	3.37E-02	4.58E-02	3.54E-02	1.93E+00
3965	483863.09	3853877.25	0.27067	0.16221	0.10169	0.26347	0.09552	0.24335	0.2063	0.16221	1.30E+00	6.90E-03	2.44E-07	6.38E-03	2.06E-02	1.57E-02	3.37E-02	2.54E-02	1.36E+00
3966	484363.09	3853877.25	0.27297	0.16725	0.16505	0.20325	0.09102	0.15717	0.176	0.16725	1.31E+00	7.12E-03	3.96E-07	4.92E-03	1.96E-02	1.02E-02	2.87E-02	2.62E-02	1.35E+00
3967	484863.09	3853877.25	0.25611	0.08445	0.08542	0.1168	0.07777	0.08831	0.0934	0.08445	1.23E+00	3.59E-03	2.05E-07	2.83E-03	1.68E-02	5.71E-03	1.52E-02	1.32E-02	1.26E+00
3968	485363.09	3853877.25	0.14786	0.06015	0.07263	0.06124	0.07516	0.05443	0.0629	0.06015	7.10E-01	2.56E-03	1.74E-07	1.48E-03	1.62E-02	3.52E-03	1.03E-02	9.42E-03	7.34E-01
3969	485863.09	3853877.25	0.15751	0.04512	0.10409	0.06233	0.0877	0.05585	0.0484	0.04512	7.56E-01	1.92E-03	2.50E-07	1.51E-03	1.89E-02	3.61E-03	7.90E-03	7.07E-03	7.83E-01
3970	486363.09	3853877.25	0.13582	0.04963	0.10092	0.05449	0.12788	0.04943	0.0529	0.04963	6.52E-01	2.11E-03	2.42E-07	1.32E-03	2.76E-02	3.20E-03	8.64E-03	7.77E-03	6.87E-01
3971	486863.09	3853877.25	0.11397	0.05231	0.08206	0.0495	0.187	0.04372	0.0545	0.05231	5.47E-01	2.23E-03	1.97E-07	1.20E-03	4.03E-02	2.83E-03	8.89E-03	8.19E-03	5.94E-01
3972	487363.09	3853877.25	0.10019	0.06019	0.07931	0.05455	0.10366	0.04248	0.0658	0.06019	4.81E-01	2.56E-03	1.90E-07	1.32E-03	2.24E-02	2.75E-03	1.07E-02	9.43E-03	5.11E-01
3973	487863.09	3853877.25	0.1108	0.05539	0.08175	0.07037	0.08003	0.04717	0.0666	0.05539	5.32E-01	2.36E-03	1.96E-07	1.70E-03	1.73E-02	3.05E-03	1.09E-02	8.68E-03	5.58E-01
3974	488363.09	3853877.25	0.11046	0.06546	0.08278	0.06907	0.12471	0.04774	0.0662	0.06546	5.30E-01	2.79E-03	1.99E-07	1.67E-03	2.69E-02	3.09E-03	1.08E-02	1.03E-02	5.65E-01
3975	488863.09	3853877.25	0.11969	0.05191	0.0889	0.06871	0.15696	0.05233	0.0529	0.05191	5.74E-01	2.21E-03	2.13E-07	1.66E-03	3.39E-02	3.39E-03	8.63E-03	8.13E-03	6.16E-01
3976	489363.09	3853877.25	0.10868	0.04473	0.07455	0.05811	0.18633	0.0464	0.0486	0.04473	5.22E-01	1.90E-03	1.79E-07	1.41E-03	4.02E-02	3.00E-03	7.93E-03	7.01E-03	5.69E-01
3977	489863.09	3853877.25	0.10862	0.04874	0.07915	0.05651	0.14127	0.04422	0.0529	0.04874	5.21E-01	2.07E-03	1.90E-07	1.37E-03	3.05E-02	2.86E-03	8.64E-03	7.64E-03	5.59E-01
3978	490363.09	3853877.25	0.10263	0.05125	0.08209	0.05536	0.13257	0.04675	0.0536	0.05125	4.93E-01	2.18E-03	1.97E-07	1.34E-03	2.86E-02	3.02E-03	8.74E-03	8.03E-03	5.28E-01
3979	490863.09	3853877.25	0.10596	0.05068	0.06471	0.05613	0.18126	0.04687	0.0545	0.05068	5.08E-01	2.16E-03	1.55E-07	1.36E-03	3.91E-02	3.03E-03	8.89E-03	7.94E-03	5.55E-01
3980	491363.09	3853877.25	0.10565	0.04992	0.06229	0.05485	0.17747	0.04479	0.0539	0.04992	5.07E-01	2.12E-03	1.49E-07	1.33E-03	3.83E-02	2.90E-03	8.79E-03	7.82E-03	5.53E-01
3981	491863.09	3853877.25	0.10715	0.04769	0.06467	0.05541	0.13623	0.04611	0.0522	0.04769	5.14E-01	2.03E-03	1.55E-07	1.34E-03	2.94E-02	2.98E-03	8.52E-03	7.47E-03	5.51E-01
3982	492363.09	3853877.25	0.10707	0.04374	0.0653	0.05301	0.1784	0.04502	0.0485	0.04374	5.14E-01	1.86E-03	1.57E-07	1.28E-03	3.85E-02	2.91E-03	7.92E-03	6.85E-03	5.59E-01
3983	492863.09	3853877.25	0.10752	0.04226	0.06257	0.05701	0.21394	0.04411	0.0473	0.04226	5.16E-01	1.80E-03	1.50E-07	1.38E-03	4.61E-02	2.85E-03	7.72E-03	6.62E-03	5.69E-01
3984	493363.09	3853877.25	0.10371	0.04039	0.06016	0.06862	0.22516	0.04494	0.044	0.04039	4.98E-01	1.72E-03	1.44E-07	1.66E-03	4.86E-02	2.91E-03	7.18E-03	6.33E-03	5.53E-01
3985	493863.09	3853877.25	0.09665	0.03869	0.05951	0.05234	0.18391	0.04266	0.0425	0.03869	4.64E-01	1.65E-03	1.43E-07	1.27E-03	3.97E-02	2.76E-03	6.94E-03	6.06E-03	5.10E-01
3986	494363.09	3853877.25	0.09377	0.03581	0.05628	0.04981	0.19444	0.0364	0.0401	0.03581	4.50E-01	1.52E-03	1.35E-07	1.21E-03	4.19E-02	2.36E-03	6.55E-03	5.61E-03	4.98E-01

3987	494863.09	3853877.25	0.08863	0.03375	0.05176	0.07372	0.19044	0.03807	0.0372	0.03375	4.25E-01	1.44E-03	1.24E-07	1.79E-03	4.11E-02	2.46E-03	6.07E-03	5.29E-03	4.73E-01
3988	495363.09	3853877.25	0.07923	0.03213	0.04569	0.04451	0.14111	0.03357	0.0332	0.03213	3.80E-01	1.37E-03	1.10E-07	1.08E-03	3.04E-02	2.17E-03	5.41E-03	5.03E-03	4.16E-01
3989	495863.09	3853877.25	0.0605	0.03084	0.03976	0.03287	0.13508	0.03221	0.0311	0.03084	2.90E-01	1.31E-03	9.54E-08	7.96E-04	2.91E-02	2.08E-03	5.07E-03	4.83E-03	3.24E-01
3990	496363.09	3853877.25	0.05422	0.02916	0.0357	0.02896	0.11552	0.02866	0.0294	0.02916	2.60E-01	1.24E-03	8.56E-08	7.02E-04	2.49E-02	1.85E-03	4.79E-03	4.57E-03	2.89E-01
3991	496863.09	3853877.25	0.04445	0.02209	0.02916	0.02725	0.08924	0.0243	0.0223	0.02209	2.13E-01	9.40E-04	6.99E-08	6.60E-04	1.92E-02	1.57E-03	3.65E-03	3.46E-03	2.36E-01
3992	497363.09	3853877.25	0.03996	0.01719	0.02662	0.02382	0.07736	0.021	0.0187	0.01719	1.92E-01	7.31E-04	6.38E-08	5.77E-04	1.67E-02	1.36E-03	3.04E-03	2.69E-03	2.11E-01
3993	497863.09	3853877.25	0.03166	0.01381	0.02311	0.01905	0.06823	0.01782	0.0147	0.01381	1.52E-01	5.88E-04	5.54E-08	4.62E-04	1.47E-02	1.15E-03	2.40E-03	2.16E-03	1.69E-01
3994	498363.09	3853877.25	0.03014	0.01169	0.021	0.02043	0.06852	0.01689	0.0118	0.01169	1.45E-01	4.97E-04	5.04E-08	4.95E-04	1.48E-02	1.09E-03	1.92E-03	1.83E-03	1.62E-01
3995	471363.09	3854377.25	0.06846	0.03682	0.02978	0.02897	0.04265	0.03963	0.035	0.03682	3.29E-01	1.57E-03	7.14E-08	7.02E-04	9.20E-03	2.56E-03	5.70E-03	5.77E-03	3.43E-01
3996	471863.09	3854377.25	0.07449	0.0374	0.03059	0.03064	0.0528	0.04042	0.0365	0.0374	3.57E-01	1.59E-03	7.34E-08	7.42E-04	1.14E-02	2.62E-03	5.96E-03	5.86E-03	3.74E-01
3997	472363.09	3854377.25	0.08026	0.03716	0.03075	0.03254	0.059	0.03855	0.0364	0.03716	3.85E-01	1.58E-03	7.37E-08	7.88E-04	1.27E-02	2.49E-03	5.95E-03	5.82E-03	4.03E-01
3998	472863.09	3854377.25	0.08499	0.03636	0.03039	0.03539	0.06317	0.03605	0.0374	0.03636	4.08E-01	1.55E-03	7.29E-08	8.57E-04	1.36E-02	2.33E-03	6.11E-03	5.70E-03	4.27E-01
3999	473363.09	3854377.25	0.08979	0.03911	0.03115	0.04057	0.06651	0.03521	0.0392	0.03911	4.31E-01	1.66E-03	7.47E-08	9.83E-04	1.43E-02	2.28E-03	6.40E-03	6.13E-03	4.50E-01
4000	473863.09	3854377.25	0.09582	0.03888	0.032	0.04388	0.0704	0.03597	0.0416	0.03888	4.60E-01	1.65E-03	7.67E-08	1.06E-03	1.52E-02	2.33E-03	6.79E-03	6.09E-03	4.81E-01
4001	474363.09	3854377.25	0.10352	0.03987	0.03293	0.04694	0.10116	0.03668	0.0439	0.03987	4.97E-01	1.70E-03	7.90E-08	1.14E-03	2.18E-02	2.37E-03	7.16E-03	6.25E-03	5.25E-01
4002	474863.09	3854377.25	0.10697	0.03528	0.0339	0.04567	0.09805	0.04215	0.0399	0.03528	5.13E-01	1.50E-03	8.13E-08	1.11E-03	2.11E-02	2.73E-03	6.51E-03	5.53E-03	5.41E-01
4003	475363.09	3854377.25	0.10676	0.03396	0.03677	0.0376	0.10033	0.04212	0.0364	0.03396	5.12E-01	1.44E-03	8.82E-08	9.11E-04	2.16E-02	2.73E-03	5.95E-03	5.32E-03	5.40E-01
4004	475863.09	3854377.25	0.05828	0.02938	0.03814	0.02759	0.07502	0.03584	0.0276	0.02938	2.80E-01	1.25E-03	9.15E-08	6.68E-04	1.62E-02	2.32E-03	4.51E-03	4.60E-03	3.00E-01
4005	476363.09	3854377.25	0.05489	0.02709	0.03716	0.02837	0.06826	0.03828	0.0262	0.02709	2.63E-01	1.15E-03	8.91E-08	6.87E-04	1.47E-02	2.48E-03	4.28E-03	4.24E-03	2.82E-01
4006	476863.09	3854377.25	0.05418	0.02519	0.03843	0.03065	0.0632	0.03899	0.0244	0.02519	2.60E-01	1.07E-03	9.22E-08	7.43E-04	1.36E-02	2.52E-03	3.99E-03	3.95E-03	2.78E-01
4007	477363.09	3854377.25	0.05312	0.02667	0.04084	0.03104	0.0632	0.03905	0.0248	0.02667	2.55E-01	1.13E-03	9.79E-08	7.52E-04	1.36E-02	2.53E-03	4.04E-03	4.18E-03	2.73E-01
4008	477863.09	3854377.25	0.0576	0.02839	0.04147	0.02795	0.06205	0.04203	0.026	0.02839	2.76E-01	1.21E-03	9.95E-08	6.77E-04	1.34E-02	2.72E-03	4.25E-03	4.45E-03	2.94E-01
4009	478363.09	3854377.25	0.06438	0.03142	0.04337	0.03487	0.07377	0.04423	0.0262	0.03142	3.09E-01	1.34E-03	1.04E-07	8.45E-04	1.59E-02	2.86E-03	4.27E-03	4.92E-03	3.29E-01
4010	478863.09	3854377.25	0.07308	0.02976	0.04595	0.03504	0.10215	0.04339	0.0256	0.02976	3.51E-01	1.27E-03	1.10E-07	8.49E-04	2.20E-02	2.81E-03	4.18E-03	4.66E-03	3.77E-01
4011	479363.09	3854377.25	0.1003	0.03373	0.05171	0.04852	0.08263	0.04808	0.0372	0.03373	4.81E-01	1.44E-03	1.24E-07	1.18E-03	1.78E-02	3.11E-03	6.08E-03	5.28E-03	5.06E-01
4012	479863.09	3854377.25	0.12123	0.04032	0.06725	0.05834	0.10975	0.04666	0.0406	0.04032	5.82E-01	1.72E-03	1.61E-07	1.41E-03	2.37E-02	3.02E-03	6.62E-03	6.32E-03	6.12E-01
4013	480363.09	3854377.25	0.16077	0.04647	0.0785	0.07271	0.17201	0.06011	0.0534	0.04647	7.72E-01	1.98E-03	1.88E-07	1.76E-03	3.71E-02	3.89E-03	8.72E-03	7.28E-03	8.18E-01
4014	480863.09	3854377.25	0.19926	0.06446	0.12851	0.10302	0.16664	0.09368	0.0733	0.06446	9.56E-01	2.74E-03	3.08E-07	2.50E-03	3.59E-02	6.06E-03	1.20E-02	1.01E-02	1.01E+00
4015	481363.09	3854377.25	0.20467	0.08546	0.21854	0.13089	0.15379	0.14261	0.0976	0.08546	9.82E-01	3.64E-03	5.24E-07	3.17E-03	3.32E-02	9.23E-03	1.59E-02	1.34E-02	1.03E+00
4016	481863.09	3854377.25	0.21118	0.14429	0.34887	0.15054	0.14504	0.22663	0.127	0.14429	1.01E+00	6.14E-03	8.37E-07	3.65E-03	3.13E-02	1.47E-02	2.07E-02	2.26E-02	1.07E+00
4017	482363.09	3854377.25	0.29503	0.21412	0.36684	0.19029	0.14063	0.38496	0.1754	0.21412	1.42E+00	9.11E-03	8.80E-07	4.61E-03	3.03E-02	2.49E-02	2.86E-02	3.35E-02	1.48E+00
4018	482863.09	3854377.25	0.49222	1.24246	0.2602	0.30135	0.12607	0.41731	0.2706	1.24246	2.36E+00	5.29E-02	6.24E-07	7.30E-03	2.72E-02	2.70E-02	4.42E-02	1.95E-01	2.33E+00
4019	483363.09	3854377.25	0.53057	0.2526	0.22527	0.60813	0.11561	0.36193	0.6353	0.2526	2.55E+00	1.07E-02	5.40E-07	1.47E-02	2.49E-02	2.34E-02	1.04E-01	3.96E-02	2.68E+00
4020	483863.09	3854377.25	0.44916	0.11928	0.32236	1.11818	0.09616	0.52164	0.4001	0.11928	2.16E+00	5.08E-03	7.73E-07	2.71E-02	2.07E-02	3.38E-02	6.53E-02	1.87E-02	2.29E+00
4021	484363.09	3854377.25	0.37819	0.10035	0.19476	0.30935	0.10655	0.18089	0.1533	0.10035	1.81E+00	4.27E-03	4.67E-07	7.49E-03	2.30E-02	1.17E-02	2.50E-02	1.57E-02	1.87E+00
4022	484863.09	3854377.25	0.25559	0.09396	0.21699	0.11639	0.10294	0.08786	0.1175	0.09396	1.23E+00	4.00E-03	5.20E-07	2.82E-03	2.22E-02	5.68E-03	1.92E-02	1.47E-02	1.27E+00
4023	485363.09	3854377.25	0.2815	0.10004	0.17954	0.15153	0.08949	0.09906	0.1203	0.10004	1.35E+00	4.26E-03	4.31E-07	3.67E-03	1.93E-02	6.41E-03	1.96E-02	1.57E-02	1.39E+00
4024	485863.09	3854377.25	0.19363	0.07076	0.14586	0.10382	0.08704	0.07102	0.0768	0.07076	9.29E-01	3.01E-03	3.50E-07	2.52E-03	1.88E-02	4.60E-03	1.25E-02	1.11E-02	9.60E-01
4025	486363.09	3854377.25	0.18029	0.05081	0.12437	0.09909	0.17077	0.07326	0.0739	0.05081	8.65E-01	2.16E-03	2.98E-07	2.40E-03	3.68E-02	4.74E-03	1.21E-02	7.96E-03	9.15E-01
4026	486863.09	3854377.25	0.16734	0.03957	0.10334	0.09017	0.20265	0.06741	0.0563	0.03957	8.03E-01	1.68E-03	2.48E-07	2.18E-03	4.37E-02	4.36E-03	9.19E-03	6.20E-03	8.58E-01
4027	487363.09	3854377.25	0.16044	0.04708	0.10663	0.09122	0.21925	0.06746	0.061	0.04708	7.70E-01	2.00E-03	2.56E-07	2.21E-03	4.73E-02	4.36E-03	9.95E-03	7.38E-03	8.28E-01
4028	487863.09	3854377.25	0.15919	0.04995	0.10244	0.09274	0.08867	0.06919	0.068	0.04995	7.64E-01	2.13E-03	2.46E-07	2.25E-03	1.91E-02	4.48E-03	1.11E-02	7.82E-03	7.95E-01
4029	488363.09	3854377.25	0.15832	0.05956	0.09512	0.09348	0.17742	0.06854	0.066	0.05956	7.60E-01	2.53E-03	2.28E-07	2.26E-03	3.83E-02	4.43E-03	1.08E-02	9.33E-03	8.09E-01
4030	488863.09	3854377.25	0.15876	0.05582	0.10659	0.08942	0.25958	0.06713	0.0628	0.05582	7.62E-01	2.38E-03	2.56E-07	2.17E-03	5.60E-02	4.34E-03	1.02E-02	8.74E-03	8.28E-01
4031	489363.09	3854377.25	0.14916	0.05737	0.10562	0.08363	0.25063	0.06261	0.0614	0.05737	7.16E-01	2.44E-03	2.53E-07	2.03E-03	5.41E-02	4.05E-03	1.00E-02	8.99E-03	7.79E-01
4032	489863.09	3854377.25	0.13864	0.05804	0.1067	0.07763	0.22236	0.06069	0.0587	0.05804	6.65E-01	2.47E-03	2.56E-07	1.88E-03	4.80E-02	3.93E-03	9.57E-03	9.09E-03	7.22E-01
4033	490363.09	3854377.25	0.13227	0.04361	0.09037	0.07131	0.27679	0.05991	0.05	0.04361	6.35E-01	1.86E-03	2.17E-07	1.73E-03	5.97E-02	3.88E-03	8.17E-03	6.83E-03	7.03E-01
4034	490863.09	3854377.25	0.11519	0.04072	0.07403	0.05771	0.16937	0.04544	0.0451	0.04072	5.53E-01	1.73E-03	1.78E-07	1.40E-03	3.65E-02	2.94E-03	7.37E-03	6.38E-03	5.96E-01
4035	491363.09	3854377.25	0.12005	0.0475	0.08171	0.05949	0.18982	0.0514	0.049	0.0475	5.76E-01	2.02E-03	1.96E-07	1.44E-03	4.09E-02	3.33E-03	7.99E-03	7.44E-03	6.24E-01
4036	491863.09	3854377.25	0.12058	0.05208	0.08346	0.05999	0.26894	0.05627	0.0532	0.05208	5.79E-01	2.22E-03	2.00E-07	1.45E-03	5.80E-02	3.64E-03	8.69E-03	8.16E-03	6.44E-01
4037	492363.09	3854377.25	0.12031	0.05105	0.08223	0.06005	0.27214	0.05558	0.0546	0.05105	5.77E-01	2.17E-03	1.97E-07	1.45E-03	5.87E-02	3.60E-03	8.91E-03	8.00E-03	6.44E-01
4038	492863.09	3854377.25	0.11838	0.04934	0.07616	0.06095	0.29	0.04839	0.0534	0.04934	5.68E-01	2.10E-03	1.83E-07	1.48E-03	6.25E-02	3.13E-03	8.72E-03	7.73E-03	6.38E-01
4039	493363.09	3854377.25	0.11567	0.04657	0.06895	0.07627	0.2951	0.04798	0.0519	0.04657	5.55E-01	1.98E-03	1.65E-07	1.85E-03	6.36E-02	3.10E-03	8.47E-03	7.30E-03	6.27E-01
4040	493863.09	3854377.25	0.11652	0.04275	0.07105	0.05604	0.28621	0.04792	0.0473	0.04275	5.59E-01	1.82E-03	1.70E-07	1.36E-03	6.17E-02	3.10E-03	7.72E-03	6.70E-03	6.28E-01
4041	494363.09	3854377.25	0.11606	0.03848	0.06156	0.07996	0.25005	0.04359	0.0416	0.03848	5.57E-01	1.64E-03	1.48E-07	1.94E-03	5.39E-02	2.82E-03	6.79E-03	6.03E-03	6.18E-01
4042	494863.09	3854377.25	0.09374	0.03244	0.04688	0.05206	0.16591	0.04117	0.0342	0.03244	4.50E-01	1.38E-03	1.12E-07	1.26E-03	3.58E-02	2.66E-03	5.59E-03	5.08E-03	4.91E-01
4043	495363.09	3854377.25	0.05946	0.02566	0.03926	0.03203	0.11597	0.0333	0.0279	0.02566	2.85E-01	1.09E-03	9.42E-08	7.76E-04	2.50E-02	2.15E-03	4.56E-03	4.02E-03	3.15E-01

4044	495863.09	3854377.25	0.04847	0.02118	0.03176	0.0286	0.0995	0.02784	0.021	0.02118	2.33E-01	9.01E-04	7.62E-08	6.93E-04	2.15E-02	1.80E-03	3.42E-03	3.32E-03	2.58E-01
4045	496363.09	3854377.25	0.0443	0.01834	0.02979	0.02794	0.09138	0.02552	0.0204	0.01834	2.13E-01	7.80E-04	7.14E-08	6.77E-04	1.97E-02	1.65E-03	3.33E-03	2.87E-03	2.36E-01
4046	496863.09	3854377.25	0.04012	0.01691	0.02517	0.02677	0.0928	0.02312	0.0173	0.01691	1.93E-01	7.19E-04	6.04E-08	6.49E-04	2.00E-02	1.50E-03	2.82E-03	2.65E-03	2.16E-01
4047	497363.09	3854377.25	0.03377	0.01539	0.02206	0.02235	0.08276	0.0208	0.0158	0.01539	1.62E-01	6.55E-04	5.29E-08	5.41E-04	1.78E-02	1.35E-03	2.58E-03	2.41E-03	1.83E-01
4048	497863.09	3854377.25	0.03342	0.01524	0.02216	0.02625	0.08258	0.02008	0.0154	0.01524	1.60E-01	6.48E-04	5.31E-08	6.36E-04	1.78E-02	1.30E-03	2.51E-03	2.39E-03	1.81E-01
4049	498363.09	3854377.25	0.02957	0.01396	0.02133	0.02505	0.07744	0.01888	0.0138	0.01396	1.42E-01	5.94E-04	5.12E-08	6.07E-04	1.67E-02	1.22E-03	2.26E-03	2.19E-03	1.61E-01
4050	471363.09	3854877.25	0.06544	0.03976	0.03188	0.03061	0.04582	0.03659	0.0407	0.03976	3.14E-01	1.69E-03	7.65E-08	7.42E-04	9.88E-03	2.37E-03	6.65E-03	6.23E-03	3.29E-01
4051	471863.09	3854877.25	0.06898	0.04025	0.03368	0.03112	0.04412	0.03619	0.0414	0.04025	3.31E-01	1.71E-03	8.08E-08	7.54E-04	9.52E-03	2.34E-03	6.76E-03	6.31E-03	3.46E-01
4052	472363.09	3854877.25	0.07192	0.04022	0.03553	0.03148	0.04589	0.04322	0.0403	0.04022	3.45E-01	1.71E-03	8.52E-08	7.63E-04	9.90E-03	2.80E-03	6.58E-03	6.30E-03	3.61E-01
4053	472863.09	3854877.25	0.07527	0.03922	0.03473	0.03375	0.04574	0.04235	0.0378	0.03922	3.61E-01	1.67E-03	8.33E-08	8.18E-04	9.86E-03	2.74E-03	6.17E-03	6.14E-03	3.76E-01
4054	473363.09	3854877.25	0.07914	0.03961	0.03759	0.03427	0.05055	0.04548	0.0365	0.03961	3.80E-01	1.69E-03	9.02E-08	8.30E-04	1.09E-02	2.94E-03	5.96E-03	6.20E-03	3.96E-01
4055	473863.09	3854877.25	0.08247	0.04324	0.03902	0.03493	0.05586	0.04791	0.0388	0.04324	3.96E-01	1.84E-03	9.36E-08	8.46E-04	1.20E-02	3.10E-03	6.34E-03	6.77E-03	4.13E-01
4056	474363.09	3854877.25	0.08651	0.04474	0.04083	0.03856	0.063	0.04785	0.0402	0.04474	4.15E-01	1.90E-03	9.79E-08	9.34E-04	1.36E-02	3.10E-03	6.56E-03	7.01E-03	4.34E-01
4057	474863.09	3854877.25	0.08897	0.0342	0.02984	0.03287	0.067	0.03272	0.0321	0.0342	4.27E-01	1.46E-03	7.16E-08	7.96E-04	1.45E-02	2.12E-03	5.24E-03	5.36E-03	4.46E-01
4058	475363.09	3854877.25	0.08364	0.02797	0.03059	0.02807	0.07252	0.02995	0.0275	0.02797	4.01E-01	1.19E-03	7.34E-08	6.80E-04	1.56E-02	1.94E-03	4.50E-03	4.38E-03	4.21E-01
4059	475863.09	3854877.25	0.05163	0.02583	0.03046	0.02612	0.06464	0.0292	0.0259	0.02583	2.48E-01	1.10E-03	7.31E-08	6.33E-04	1.39E-02	1.89E-03	4.23E-03	4.05E-03	2.66E-01
4060	476363.09	3854877.25	0.04504	0.02373	0.0309	0.02414	0.05138	0.02804	0.0231	0.02373	2.16E-01	1.01E-03	7.41E-08	5.85E-04	1.11E-02	1.81E-03	3.76E-03	3.72E-03	2.31E-01
4061	476863.09	3854877.25	0.04498	0.02494	0.03183	0.02536	0.04797	0.03253	0.0223	0.02494	2.16E-01	1.06E-03	7.63E-08	6.14E-04	1.03E-02	2.10E-03	3.63E-03	3.91E-03	2.30E-01
4062	477363.09	3854877.25	0.04749	0.02705	0.0332	0.02747	0.05797	0.03814	0.0233	0.02705	2.28E-01	1.15E-03	7.96E-08	6.66E-04	1.25E-02	2.47E-03	3.80E-03	4.24E-03	2.44E-01
4063	477863.09	3854877.25	0.05268	0.02661	0.03613	0.02784	0.06162	0.04003	0.0235	0.02661	2.53E-01	1.13E-03	8.67E-08	6.74E-04	1.33E-02	2.59E-03	3.84E-03	4.17E-03	2.70E-01
4064	478363.09	3854877.25	0.06942	0.02996	0.04224	0.03406	0.07559	0.04081	0.0279	0.02996	3.33E-01	1.27E-03	1.01E-07	8.25E-04	1.63E-02	2.64E-03	4.56E-03	4.69E-03	3.54E-01
4065	478863.09	3854877.25	0.09358	0.0382	0.0483	0.03835	0.0899	0.0504	0.0333	0.0382	4.49E-01	1.63E-03	1.16E-07	9.29E-04	1.94E-02	3.26E-03	5.44E-03	5.98E-03	4.74E-01
4066	479363.09	3854877.25	0.13511	0.0416	0.06295	0.05108	0.09864	0.05765	0.0412	0.0416	6.48E-01	1.77E-03	1.51E-07	1.24E-03	2.13E-02	3.73E-03	6.72E-03	6.52E-03	6.77E-01
4067	479863.09	3854877.25	0.18353	0.0476	0.06742	0.07299	0.15829	0.06861	0.0508	0.0476	8.81E-01	2.03E-03	1.62E-07	1.77E-03	3.41E-02	4.44E-03	8.29E-03	7.46E-03	9.24E-01
4068	480363.09	3854877.25	0.21085	0.05415	0.08354	0.08904	0.15427	0.07728	0.059	0.05415	1.01E+00	2.30E-03	2.00E-07	2.16E-03	3.33E-02	5.00E-03	9.63E-03	8.48E-03	1.06E+00
4069	480863.09	3854877.25	0.22135	0.06122	0.10104	0.12734	0.19461	0.10833	0.0742	0.06122	1.06E+00	2.60E-03	2.42E-07	3.09E-03	4.20E-02	7.01E-03	1.21E-02	9.59E-03	1.12E+00
4070	481363.09	3854877.25	0.25519	0.07992	0.12719	0.14398	0.19087	0.13339	0.0972	0.07992	1.22E+00	3.40E-03	3.05E-07	3.49E-03	4.12E-02	8.63E-03	1.59E-02	1.25E-02	1.28E+00
4071	481863.09	3854877.25	0.29636	0.07862	0.17273	0.15435	0.24946	0.14651	0.104	0.07862	1.42E+00	3.35E-03	4.14E-07	3.74E-03	5.38E-02	9.48E-03	1.70E-02	1.23E-02	1.50E+00
4072	482363.09	3854877.25	0.34925	0.2016	0.32225	0.1671	0.18709	0.36336	0.1235	0.2016	1.68E+00	8.58E-03	7.73E-07	4.05E-03	4.04E-02	2.35E-02	2.02E-02	3.16E-02	1.74E+00
4073	482863.09	3854877.25	0.54209	0.34854	1.13358	0.20197	0.18405	0.57476	0.1389	0.34854	2.60E+00	1.48E-02	2.72E-06	4.89E-03	3.97E-02	3.72E-02	2.27E-02	5.46E-02	2.67E+00
4074	483363.09	3854877.25	0.57865	0.48527	7.3223	0.27214	0.19996	0.42289	0.1801	0.48527	2.78E+00	2.06E-02	1.76E-05	6.59E-03	4.31E-02	2.74E-02	2.94E-02	7.60E-02	2.83E+00
4075	483863.09	3854877.25	0.62059	0.16745	1.72021	0.42488	0.15852	0.27424	0.3335	0.16745	2.98E+00	7.12E-03	4.13E-06	1.03E-02	3.42E-02	1.77E-02	5.44E-02	2.62E-02	3.08E+00
4076	484363.09	3854877.25	0.62872	0.09939	0.5834	1.184	0.17904	0.93985	1.0199	0.09939	3.02E+00	4.23E-03	1.40E-06	2.87E-02	3.86E-02	6.08E-02	1.66E-01	1.56E-02	3.30E+00
4077	484863.09	3854877.25	0.5044	0.09875	0.36249	0.9843	0.19157	0.4391	0.4262	0.09875	2.42E+00	4.20E-03	8.69E-07	2.38E-02	4.13E-02	2.84E-02	6.96E-02	1.55E-02	2.57E+00
4078	485363.09	3854877.25	0.42766	0.09576	0.25992	0.38313	0.12141	0.22035	0.2097	0.09576	2.05E+00	4.07E-03	6.23E-07	9.28E-03	2.62E-02	1.43E-02	3.42E-02	1.50E-02	2.13E+00
4079	485863.09	3854877.25	0.35505	0.11218	0.1844	0.24295	0.12028	0.14114	0.1606	0.11218	1.70E+00	4.77E-03	4.42E-07	5.89E-03	2.59E-02	9.13E-03	2.62E-02	1.76E-02	1.76E+00
4080	486363.09	3854877.25	0.30201	0.06642	0.15094	0.16672	0.11281	0.10828	0.1201	0.06642	1.45E+00	2.83E-03	3.62E-07	4.04E-03	2.43E-02	7.01E-03	1.96E-02	1.04E-02	1.50E+00
4081	486863.09	3854877.25	0.26438	0.06305	0.12439	0.13411	0.25245	0.09153	0.0894	0.06305	1.27E+00	2.68E-03	2.98E-07	3.25E-03	5.44E-02	5.92E-03	1.46E-02	9.88E-03	1.34E+00
4082	487363.09	3854877.25	0.22869	0.0513	0.14051	0.1256	0.33153	0.08814	0.0857	0.0513	1.10E+00	2.18E-03	3.37E-07	3.04E-03	7.15E-02	5.70E-03	1.40E-02	8.04E-03	1.19E+00
4083	487863.09	3854877.25	0.20946	0.04495	0.14397	0.11774	0.15282	0.08671	0.0715	0.04495	1.01E+00	1.91E-03	3.45E-07	2.85E-03	3.30E-02	5.61E-03	1.17E-02	7.04E-03	1.05E+00
4084	488363.09	3854877.25	0.1953	0.05381	0.16578	0.11877	0.28022	0.08512	0.0727	0.05381	9.37E-01	2.29E-03	3.98E-07	2.88E-03	6.04E-02	5.51E-03	1.19E-02	8.43E-03	1.01E+00
4085	488863.09	3854877.25	0.17945	0.05219	0.14907	0.10578	0.38729	0.08336	0.0734	0.05219	8.61E-01	2.22E-03	3.58E-07	2.56E-03	8.35E-02	5.39E-03	1.20E-02	8.18E-03	9.59E-01
4086	489363.09	3854877.25	0.16731	0.05369	0.14496	0.09951	0.34857	0.07843	0.069	0.05369	8.03E-01	2.28E-03	3.48E-07	2.41E-03	7.52E-02	5.07E-03	1.13E-02	8.41E-03	8.91E-01
4087	489863.09	3854877.25	0.15778	0.05173	0.12469	0.08884	0.38681	0.06907	0.0621	0.05173	7.57E-01	2.20E-03	2.99E-07	2.15E-03	8.34E-02	4.47E-03	1.01E-02	8.10E-03	8.51E-01
4088	490363.09	3854877.25	0.13509	0.04528	0.07116	0.06892	0.20032	0.05272	0.0508	0.04528	6.48E-01	1.93E-03	1.71E-07	1.67E-03	4.32E-02	3.41E-03	8.29E-03	7.09E-03	7.00E-01
4089	490863.09	3854877.25	0.08328	0.03712	0.05246	0.04336	0.10316	0.03706	0.038	0.03712	4.00E-01	1.58E-03	1.26E-07	1.05E-03	2.22E-02	2.40E-03	6.20E-03	5.81E-03	4.27E-01
4090	491363.09	3854877.25	0.10295	0.0455	0.05481	0.05388	0.16427	0.03723	0.0458	0.0455	4.94E-01	1.94E-03	1.31E-07	1.31E-03	3.54E-02	2.41E-03	7.47E-03	7.13E-03	5.35E-01
4091	491863.09	3854877.25	0.13729	0.03937	0.0922	0.07737	0.40805	0.06335	0.0554	0.03937	6.59E-01	1.68E-03	2.21E-07	1.87E-03	8.80E-02	4.10E-03	9.04E-03	6.17E-03	7.57E-01
4092	492363.09	3854877.25	0.13295	0.04587	0.08999	0.07726	0.49194	0.06372	0.0508	0.04587	6.38E-01	1.95E-03	2.16E-07	1.87E-03	1.06E-01	4.12E-03	8.29E-03	7.19E-03	7.53E-01
4093	492863.09	3854877.25	0.12874	0.04971	0.0902	0.07926	0.44096	0.0586	0.0507	0.04971	6.18E-01	2.12E-03	2.16E-07	1.92E-03	9.51E-02	3.79E-03	8.27E-03	7.79E-03	7.21E-01
4094	493363.09	3854877.25	0.12752	0.04749	0.0707	0.06663	0.39216	0.05864	0.0487	0.04749	6.12E-01	2.02E-03	1.70E-07	1.61E-03	8.46E-02	3.79E-03	7.95E-03	7.44E-03	7.04E-01
4095	493863.09	3854877.25	0.12102	0.04885	0.06275	0.08453	0.31336	0.05703	0.0494	0.04885	5.81E-01	2.08E-03	1.50E-07	2.05E-03	6.76E-02	3.69E-03	8.07E-03	7.65E-03	6.57E-01
4096	494363.09	3854877.25	0.1078	0.03982	0.04892	0.06009	0.18531	0.04405	0.0424	0.03982	5.17E-01	1.69E-03	1.17E-07	1.46E-03	4.00E-02	2.85E-03	6.91E-03	6.24E-03	5.64E-01
4097	494863.09	3854877.25	0.06194	0.02712	0.03523	0.0348	0.13873	0.03228	0.0286	0.02712	2.97E-01	1.15E-03	8.45E-08	8.43E-04	2.99E-02	2.09E-03	4.66E-03	4.25E-03	3.32E-01
4098	495363.09	3854877.25	0.04786	0.01911	0.02979	0.03005	0.11448	0.02921	0.0199	0.01911	2.30E-01	8.13E-04	7.14E-08	7.28E-04	2.47E-02	1.89E-03	3.25E-03	2.99E-03	2.58E-01
4099	495863.09	3854877.25	0.0425	0.01607	0.02747	0.02646	0.10511	0.02443	0.0164	0.01607	2.04E-01	6.84E-04	6.59E-08	6.41E-04	2.27E-02	1.58E-03	2.68E-03	2.52E-03	2.30E-01
4100	496363.09	3854877.25	0.03268	0.01367	0.02507	0.02364	0.09152	0.02033	0.0141	0.01367	1.57E-01	5.82E-04	6.01E-08	5.73E-04	1.97E-02	1.32E-03	2.29E-03	2.14E-03	1.79E-01

4101	496863.09	3854877.25	0.0303	0.01327	0.02387	0.02579	0.08066	0.01982	0.0134	0.01327	1.45E-01	5.65E-04	5.72E-08	6.25E-04	1.74E-02	1.28E-03	2.19E-03	2.08E-03	1.65E-01
4102	497363.09	3854877.25	0.0283	0.01304	0.02362	0.02655	0.07049	0.01998	0.0132	0.01304	1.36E-01	5.55E-04	5.66E-08	6.43E-04	1.52E-02	1.29E-03	2.16E-03	2.04E-03	1.54E-01
4103	497863.09	3854877.25	0.0309	0.01424	0.02357	0.02511	0.08616	0.02031	0.0143	0.01424	1.48E-01	6.06E-04	5.65E-08	6.08E-04	1.86E-02	1.31E-03	2.33E-03	2.23E-03	1.70E-01
4104	498363.09	3854877.25	0.03066	0.01441	0.02277	0.02605	0.08004	0.02129	0.0145	0.01441	1.47E-01	6.13E-04	5.46E-08	6.31E-04	1.73E-02	1.38E-03	2.36E-03	2.26E-03	1.67E-01
4105	471363.09	3855377.25	0.05661	0.03856	0.0301	0.02849	0.05922	0.03042	0.04	0.03856	2.72E-01	1.64E-03	7.22E-08	6.90E-04	1.28E-02	1.97E-03	6.53E-03	6.04E-03	2.89E-01
4106	471863.09	3855377.25	0.06158	0.03916	0.03125	0.02933	0.06038	0.03488	0.0407	0.03916	2.96E-01	1.67E-03	7.49E-08	7.11E-04	1.30E-02	2.26E-03	6.64E-03	6.13E-03	3.14E-01
4107	472363.09	3855377.25	0.06694	0.04003	0.03351	0.03095	0.06416	0.03926	0.0406	0.04003	3.21E-01	1.70E-03	8.04E-08	7.50E-04	1.38E-02	2.54E-03	6.63E-03	6.27E-03	3.40E-01
4108	472863.09	3855377.25	0.07207	0.04022	0.03403	0.03417	0.06796	0.04108	0.0408	0.04022	3.46E-01	1.71E-03	8.16E-08	8.28E-04	1.47E-02	2.66E-03	6.66E-03	6.30E-03	3.66E-01
4109	473363.09	3855377.25	0.07886	0.04209	0.0393	0.03904	0.07112	0.04737	0.0428	0.04209	3.78E-01	1.79E-03	9.43E-08	9.46E-04	1.53E-02	3.06E-03	6.98E-03	6.59E-03	4.00E-01
4110	473863.09	3855377.25	0.08391	0.0437	0.04187	0.04282	0.06604	0.04994	0.044	0.0437	4.03E-01	1.86E-03	1.00E-07	1.04E-03	1.42E-02	3.23E-03	7.18E-03	6.85E-03	4.23E-01
4111	474363.09	3855377.25	0.08568	0.04972	0.04067	0.04362	0.06368	0.05106	0.0428	0.04972	4.11E-01	2.12E-03	9.75E-08	1.06E-03	1.37E-02	3.30E-03	6.99E-03	7.79E-03	4.31E-01
4112	474863.09	3855377.25	0.08164	0.03824	0.04085	0.03819	0.05617	0.03801	0.0378	0.03824	3.92E-01	1.63E-03	9.80E-08	9.25E-04	1.21E-02	2.46E-03	6.18E-03	5.99E-03	4.09E-01
4113	475363.09	3855377.25	0.04853	0.02324	0.03	0.02576	0.05461	0.02957	0.0232	0.02324	2.33E-01	9.89E-04	7.20E-08	6.24E-04	1.18E-02	1.91E-03	3.78E-03	3.64E-03	2.48E-01
4114	475863.09	3855377.25	0.04659	0.02117	0.02933	0.02546	0.04775	0.02662	0.0199	0.02117	2.24E-01	9.01E-04	7.03E-08	6.17E-04	1.03E-02	1.72E-03	3.25E-03	3.32E-03	2.37E-01
4115	476363.09	3855377.25	0.04857	0.02285	0.03037	0.02579	0.05536	0.02787	0.022	0.02285	2.33E-01	9.72E-04	7.28E-08	6.25E-04	1.19E-02	1.80E-03	3.59E-03	3.58E-03	2.48E-01
4116	476863.09	3855377.25	0.05001	0.02359	0.03177	0.02544	0.05501	0.02979	0.0224	0.02359	2.40E-01	1.00E-03	7.62E-08	6.16E-04	1.19E-02	1.93E-03	3.66E-03	3.70E-03	2.55E-01
4117	477363.09	3855377.25	0.05058	0.02427	0.03314	0.02707	0.05448	0.03155	0.0237	0.02427	2.43E-01	1.03E-03	7.95E-08	6.56E-04	1.17E-02	2.04E-03	3.88E-03	3.80E-03	2.58E-01
4118	477863.09	3855377.25	0.05707	0.02808	0.03566	0.03008	0.0625	0.03797	0.0258	0.02808	2.74E-01	1.19E-03	8.55E-08	7.29E-04	1.35E-02	2.46E-03	4.22E-03	4.40E-03	2.92E-01
4119	478363.09	3855377.25	0.07025	0.03118	0.04789	0.03191	0.0881	0.04277	0.0286	0.03118	3.37E-01	1.33E-03	1.15E-07	7.73E-04	1.90E-02	2.77E-03	4.66E-03	4.88E-03	3.61E-01
4120	478863.09	3855377.25	0.09639	0.03448	0.04861	0.04233	0.08978	0.0495	0.033	0.03448	4.63E-01	1.47E-03	1.17E-07	1.03E-03	1.94E-02	3.20E-03	5.39E-03	5.40E-03	4.88E-01
4121	479363.09	3855377.25	0.13242	0.03822	0.0534	0.06069	0.1334	0.06177	0.0414	0.03822	6.35E-01	1.63E-03	1.28E-07	1.47E-03	2.88E-02	4.00E-03	6.76E-03	5.99E-03	6.72E-01
4122	479863.09	3855377.25	0.17151	0.04627	0.07234	0.08072	0.21073	0.06973	0.0447	0.04627	8.23E-01	1.97E-03	1.73E-07	1.96E-03	4.54E-02	4.51E-03	7.29E-03	7.25E-03	8.77E-01
4123	480363.09	3855377.25	0.22544	0.05838	0.09321	0.10657	0.24329	0.08603	0.0623	0.05838	1.08E+00	2.48E-03	2.24E-07	2.58E-03	5.25E-02	5.57E-03	1.02E-02	9.15E-03	1.15E+00
4124	480863.09	3855377.25	0.25107	0.07053	0.20645	0.1241	0.22359	0.1231	0.0787	0.07053	1.20E+00	3.00E-03	4.95E-07	3.01E-03	4.82E-02	7.96E-03	1.28E-02	1.10E-02	1.27E+00
4125	481363.09	3855377.25	0.25905	0.09694	0.28668	0.1404	0.2732	0.14588	0.0883	0.09694	1.24E+00	4.12E-03	6.88E-07	3.40E-03	5.89E-02	9.44E-03	1.44E-02	1.52E-02	1.32E+00
4126	481863.09	3855377.25	0.29355	0.12446	0.33832	0.14647	0.35052	0.19775	0.0932	0.12446	1.41E+00	5.30E-03	8.11E-07	3.55E-03	7.56E-02	1.28E-02	1.52E-02	1.95E-02	1.50E+00
4127	482363.09	3855377.25	0.38818	0.15989	0.42845	0.15571	0.27089	0.22473	0.1007	0.15989	1.86E+00	6.80E-03	1.03E-06	3.77E-03	5.84E-02	1.45E-02	1.64E-02	2.50E-02	1.94E+00
4128	482863.09	3855377.25	0.60529	0.19743	0.64426	0.16634	0.29923	0.30804	0.1115	0.19743	2.90E+00	8.40E-03	1.55E-06	4.03E-03	6.45E-02	1.99E-02	1.82E-02	3.09E-02	2.99E+00
4129	483363.09	3855377.25	0.59745	0.36832	0.41585	0.18813	0.27584	1.01824	0.1277	0.36832	2.87E+00	1.57E-02	9.97E-07	4.56E-03	5.95E-02	6.59E-02	2.08E-02	5.77E-02	2.98E+00
4130	483863.09	3855377.25	0.61049	0.66334	0.73892	0.24394	0.30476	0.318	0.1683	0.66334	2.93E+00	2.82E-02	1.77E-06	5.91E-03	6.57E-02	2.06E-02	2.75E-02	1.04E-01	2.97E+00
4131	484363.09	3855377.25	0.66302	0.15845	0.74666	0.34366	0.30618	0.21535	0.2234	0.15845	3.18E+00	6.74E-03	1.79E-06	8.33E-03	6.60E-02	1.39E-02	3.65E-02	2.48E-02	3.29E+00
4132	484863.09	3855377.25	0.66153	0.10997	0.50989	0.59354	0.2328	0.37934	0.4471	0.10997	3.17E+00	4.68E-03	1.22E-06	1.44E-02	5.02E-02	2.45E-02	7.30E-02	1.72E-02	3.32E+00
4133	485363.09	3855377.25	0.52463	0.10868	0.40744	1.50859	0.26217	0.59469	0.4952	0.10868	2.52E+00	4.62E-03	9.77E-07	3.65E-02	5.65E-02	3.85E-02	8.08E-02	1.70E-02	2.72E+00
4134	485863.09	3855377.25	0.44316	0.08705	0.34769	0.43888	0.19086	0.27259	0.235	0.08705	2.13E+00	3.70E-03	8.34E-07	1.06E-02	4.12E-02	1.76E-02	3.84E-02	1.36E-02	2.22E+00
4135	486363.09	3855377.25	0.39503	0.10915	0.24445	0.28231	0.19472	0.1932	0.1685	0.10915	1.90E+00	4.64E-03	5.86E-07	6.84E-03	4.20E-02	1.25E-02	2.75E-02	1.71E-02	1.97E+00
4136	486863.09	3855377.25	0.33998	0.0954	0.20557	0.19374	0.39116	0.14374	0.1386	0.0954	1.63E+00	4.06E-03	4.93E-07	4.69E-03	8.44E-02	9.30E-03	2.26E-02	1.49E-02	1.74E+00
4137	487363.09	3855377.25	0.30998	0.06208	0.18495	0.17138	0.566	0.12157	0.1201	0.06208	1.49E+00	2.64E-03	4.44E-07	4.15E-03	1.22E-01	7.87E-03	1.96E-02	9.72E-03	1.63E+00
4138	487863.09	3855377.25	0.26665	0.06207	0.18048	0.15608	0.26526	0.11129	0.0925	0.06207	1.28E+00	2.64E-03	4.33E-07	3.78E-03	5.72E-02	7.20E-03	1.51E-02	9.72E-03	1.36E+00
4139	488363.09	3855377.25	0.21487	0.0543	0.18583	0.14482	0.45529	0.10681	0.0854	0.0543	1.03E+00	2.31E-03	4.46E-07	3.51E-03	9.82E-02	6.91E-03	1.39E-02	8.51E-03	1.15E+00
4140	488863.09	3855377.25	0.19836	0.05035	0.17956	0.12431	0.4433	0.10589	0.0717	0.05035	9.52E-01	2.14E-03	4.31E-07	3.01E-03	9.56E-02	6.85E-03	1.17E-02	7.89E-03	1.06E+00
4141	489363.09	3855377.25	0.18892	0.05228	0.16605	0.11438	0.58996	0.09917	0.0672	0.05228	9.07E-01	2.22E-03	3.98E-07	2.77E-03	1.27E-01	6.42E-03	1.10E-02	8.19E-03	1.05E+00
4142	489863.09	3855377.25	0.1833	0.0529	0.13692	0.10441	0.6119	0.08729	0.0676	0.0529	8.80E-01	2.25E-03	3.28E-07	2.53E-03	1.32E-01	5.65E-03	1.10E-02	8.29E-03	1.02E+00
4143	490363.09	3855377.25	0.1729	0.05135	0.12981	0.10196	0.62804	0.08962	0.0619	0.05135	8.30E-01	2.18E-03	3.11E-07	2.47E-03	1.35E-01	5.80E-03	1.01E-02	8.04E-03	9.78E-01
4144	490863.09	3855377.25	0.14253	0.04772	0.06605	0.06919	0.26863	0.05382	0.0543	0.04772	6.84E-01	2.03E-03	1.58E-07	1.68E-03	5.79E-02	3.48E-03	8.87E-03	7.48E-03	7.51E-01
4145	491363.09	3855377.25	0.11449	0.04298	0.06116	0.05533	0.23209	0.04261	0.0447	0.04298	5.49E-01	1.83E-03	1.47E-07	1.34E-03	5.01E-02	2.76E-03	7.30E-03	6.73E-03	6.06E-01
4146	491863.09	3855377.25	0.14703	0.04813	0.09855	0.09232	0.58442	0.07379	0.0572	0.04813	7.06E-01	2.05E-03	2.36E-07	2.24E-03	1.26E-01	4.77E-03	9.34E-03	7.54E-03	8.42E-01
4147	492363.09	3855377.25	0.14149	0.05089	0.11005	0.09879	0.58391	0.07541	0.0522	0.05089	6.79E-01	2.17E-03	2.64E-07	2.39E-03	1.26E-01	4.88E-03	8.52E-03	7.97E-03	8.15E-01
4148	492863.09	3855377.25	0.14172	0.0406	0.0969	0.08566	0.41447	0.07029	0.0501	0.0406	6.80E-01	1.73E-03	2.32E-07	2.08E-03	8.94E-02	4.55E-03	8.18E-03	6.36E-03	7.80E-01
4149	493363.09	3855377.25	0.13309	0.03732	0.07108	0.09693	0.31088	0.06064	0.0449	0.03732	6.39E-01	1.59E-03	1.70E-07	2.35E-03	6.70E-02	3.92E-03	7.33E-03	5.85E-03	7.15E-01
4150	493863.09	3855377.25	0.11058	0.03683	0.0515	0.06648	0.22253	0.04532	0.0371	0.03683	5.31E-01	1.57E-03	1.24E-07	1.61E-03	4.80E-02	2.93E-03	6.05E-03	5.77E-03	5.85E-01
4151	494363.09	3855377.25	0.06981	0.03207	0.03916	0.04374	0.17312	0.034	0.0322	0.03207	3.35E-01	1.36E-03	9.39E-08	1.06E-03	3.73E-02	2.20E-03	5.26E-03	5.02E-03	3.77E-01
4152	494863.09	3855377.25	0.05026	0.01956	0.03117	0.03335	0.13279	0.03007	0.0201	0.01956	2.41E-01	8.32E-04	7.48E-08	8.08E-04	2.86E-02	1.95E-03	3.27E-03	3.06E-03	2.74E-01
4153	495363.09	3855377.25	0.03498	0.01495	0.02681	0.02604	0.11084	0.02395	0.0149	0.01495	1.68E-01	6.36E-04	6.43E-08	6.31E-04	2.39E-02	1.55E-03	2.44E-03	2.34E-03	1.95E-01
4154	495863.09	3855377.25	0.02983	0.01283	0.02479	0.02721	0.09245	0.02192	0.0131	0.01283	1.43E-01	5.46E-04	5.95E-08	6.59E-04	1.99E-02	1.42E-03	2.14E-03	2.01E-03	1.66E-01
4155	496363.09	3855377.25	0.02934	0.01299	0.02434	0.02817	0.0845	0.02172	0.0128	0.01299	1.41E-01	5.53E-04	5.84E-08	6.82E-04	1.82E-02	1.41E-03	2.09E-03	2.03E-03	1.62E-01
4156	496863.09	3855377.25	0.02894	0.01237	0.02274	0.02874	0.07361	0.02123	0.0127	0.01237	1.39E-01	5.26E-04	5.45E-08	6.96E-04	1.59E-02	1.37E-03	2.07E-03	1.94E-03	1.57E-01
4157	497363.09	3855377.25	0.03015	0.01293	0.02185	0.02681	0.081	0.02189	0.0128	0.01293	1.45E-01	5.50E-04	5.24E-08	6.50E-04	1.75E-02	1.42E-03	2.09E-03	2.03E-03	1.65E-01

4158	497863.09	3855377.25	0.03109	0.01327	0.02501	0.02768	0.08372	0.02329	0.0134	0.01327	1.49E-01	5.65E-04	6.00E-08	6.71E-04	1.81E-02	1.51E-03	2.19E-03	2.08E-03	1.70E-01
4159	498363.09	3855377.25	0.03175	0.01377	0.02468	0.02781	0.09067	0.02492	0.0137	0.01377	1.52E-01	5.86E-04	5.92E-08	6.74E-04	1.96E-02	1.61E-03	2.24E-03	2.16E-03	1.75E-01
4160	471363.09	3855877.25	0.05176	0.03374	0.02926	0.03218	0.06745	0.03002	0.0341	0.03374	2.48E-01	1.44E-03	7.02E-08	7.80E-04	1.45E-02	1.94E-03	5.57E-03	5.29E-03	2.67E-01
4161	471863.09	3855877.25	0.05463	0.03629	0.03008	0.03269	0.07234	0.03021	0.0361	0.03629	2.62E-01	1.54E-03	7.21E-08	7.92E-04	1.56E-02	1.95E-03	5.90E-03	5.68E-03	2.82E-01
4162	472363.09	3855877.25	0.06136	0.03993	0.03401	0.03479	0.07324	0.03117	0.0403	0.03993	2.94E-01	1.70E-03	8.16E-08	8.43E-04	1.58E-02	2.02E-03	6.58E-03	6.26E-03	3.15E-01
4163	472863.09	3855877.25	0.06624	0.0402	0.0324	0.03423	0.07407	0.03178	0.0408	0.0402	3.18E-01	1.71E-03	7.77E-08	8.29E-04	1.60E-02	2.06E-03	6.66E-03	6.30E-03	3.39E-01
4164	473363.09	3855877.25	0.07119	0.04221	0.03808	0.03651	0.09539	0.03869	0.0429	0.04221	3.42E-01	1.80E-03	9.13E-08	8.85E-04	2.06E-02	2.50E-03	7.00E-03	6.61E-03	3.68E-01
4165	473863.09	3855877.25	0.07435	0.04317	0.03916	0.03936	0.0948	0.04472	0.0439	0.04317	3.57E-01	1.84E-03	9.39E-08	9.54E-04	2.04E-02	2.89E-03	7.16E-03	6.76E-03	3.83E-01
4166	474363.09	3855877.25	0.07755	0.04651	0.03781	0.04171	0.09152	0.04848	0.047	0.04651	3.72E-01	1.98E-03	9.07E-08	1.01E-03	1.97E-02	3.14E-03	7.68E-03	7.29E-03	3.98E-01
4167	474863.09	3855877.25	0.07554	0.03773	0.03636	0.03558	0.08708	0.03629	0.0382	0.03773	3.63E-01	1.61E-03	8.72E-08	8.62E-04	1.88E-02	2.35E-03	6.23E-03	5.91E-03	3.86E-01
4168	475363.09	3855877.25	0.05417	0.02695	0.03638	0.02736	0.07694	0.03177	0.0256	0.02695	2.60E-01	1.15E-03	8.73E-08	6.63E-04	1.66E-02	2.06E-03	4.17E-03	4.22E-03	2.80E-01
4169	475863.09	3855877.25	0.04011	0.01779	0.01987	0.01898	0.04533	0.02583	0.0168	0.01779	1.92E-01	7.57E-04	4.77E-08	4.60E-04	9.78E-03	1.67E-03	2.74E-03	2.79E-03	2.05E-01
4170	476363.09	3855877.25	0.04089	0.01797	0.02094	0.02282	0.04628	0.02675	0.0178	0.01797	1.96E-01	7.65E-04	5.02E-08	5.53E-04	9.98E-03	1.73E-03	2.90E-03	2.82E-03	2.09E-01
4171	476863.09	3855877.25	0.05173	0.02205	0.02647	0.0276	0.05893	0.03136	0.0227	0.02205	2.48E-01	9.38E-04	6.35E-08	6.69E-04	1.27E-02	2.03E-03	3.70E-03	3.45E-03	2.65E-01
4172	477363.09	3855877.25	0.05315	0.02303	0.02778	0.03168	0.06812	0.03175	0.023	0.02303	2.55E-01	9.80E-04	6.66E-08	7.68E-04	1.47E-02	2.05E-03	3.75E-03	3.61E-03	2.74E-01
4173	477863.09	3855877.25	0.0549	0.02464	0.03762	0.03212	0.06945	0.03572	0.0259	0.02464	2.63E-01	1.05E-03	9.02E-08	7.78E-04	1.50E-02	2.31E-03	4.22E-03	3.86E-03	2.83E-01
4174	478363.09	3855877.25	0.07536	0.02791	0.04308	0.03419	0.07624	0.03964	0.0292	0.02791	3.62E-01	1.19E-03	1.03E-07	8.28E-04	1.64E-02	2.56E-03	4.77E-03	4.37E-03	3.83E-01
4175	478863.09	3855877.25	0.09998	0.03373	0.05993	0.0434	0.08313	0.05014	0.0326	0.03373	4.80E-01	1.44E-03	1.44E-07	1.05E-03	1.79E-02	3.24E-03	5.32E-03	5.28E-03	5.03E-01
4176	479363.09	3855877.25	0.14268	0.03971	0.05242	0.06831	0.09785	0.06556	0.0451	0.03971	6.85E-01	1.69E-03	1.26E-07	1.65E-03	2.11E-02	4.24E-03	7.37E-03	6.22E-03	7.15E-01
4177	479863.09	3855877.25	0.19189	0.04765	0.07168	0.08793	0.11622	0.07946	0.0538	0.04765	9.21E-01	2.03E-03	1.72E-07	2.13E-03	2.51E-02	5.14E-03	8.78E-03	7.46E-03	9.57E-01
4178	480363.09	3855877.25	0.23454	0.0561	0.07693	0.10543	0.15293	0.09545	0.0635	0.0561	1.13E+00	2.39E-03	1.85E-07	2.55E-03	3.30E-02	6.18E-03	1.04E-02	8.79E-03	1.17E+00
4179	480863.09	3855877.25	0.27511	0.06939	0.17346	0.13128	0.2783	0.11971	0.0733	0.06939	1.32E+00	2.95E-03	4.16E-07	3.18E-03	6.00E-02	7.75E-03	1.20E-02	1.09E-02	1.40E+00
4180	481363.09	3855877.25	0.3214	0.07113	0.14184	0.14379	0.18908	0.11902	0.0766	0.07113	1.54E+00	3.03E-03	3.40E-07	3.48E-03	4.08E-02	7.70E-03	1.25E-02	1.11E-02	1.60E+00
4181	481863.09	3855877.25	0.30815	0.11503	0.23963	0.14124	0.28278	0.16442	0.0845	0.11503	1.48E+00	4.89E-03	5.75E-07	3.42E-03	6.10E-02	1.06E-02	1.38E-02	1.80E-02	1.55E+00
4182	482363.09	3855877.25	0.35773	0.11865	0.33074	0.1395	0.36477	0.20097	0.0862	0.11865	1.72E+00	5.05E-03	7.93E-07	3.38E-03	7.87E-02	1.30E-02	1.41E-02	1.86E-02	1.81E+00
4183	482863.09	3855877.25	0.47164	0.14789	0.54244	0.15205	0.44806	0.26302	0.094	0.14789	2.26E+00	6.29E-03	1.30E-06	3.68E-03	9.66E-02	1.70E-02	1.53E-02	2.32E-02	2.38E+00
4184	483363.09	3855877.25	0.65738	0.21775	0.44591	0.16007	0.45773	0.41893	0.104	0.21775	3.15E+00	9.26E-03	1.07E-06	3.88E-03	9.87E-02	2.71E-02	1.70E-02	3.41E-02	3.28E+00
4185	483863.09	3855877.25	0.62954	0.34269	0.68473	0.19126	0.40669	1.10434	0.1141	0.34269	3.02E+00	1.46E-02	1.64E-06	4.63E-03	8.77E-02	7.15E-02	1.86E-02	5.37E-02	3.16E+00
4186	484363.09	3855877.25	0.65342	0.90209	0.94173	0.2275	0.3711	0.29973	0.1488	0.90209	3.14E+00	3.84E-02	2.26E-06	5.51E-03	8.00E-02	1.94E-02	2.43E-02	1.41E-01	3.16E+00
4187	484863.09	3855877.25	0.69158	0.23039	0.99443	0.32096	0.45477	0.2238	0.2067	0.23039	3.32E+00	9.80E-03	2.38E-06	7.78E-03	9.81E-02	1.45E-02	3.37E-02	3.61E-02	3.45E+00
4188	485363.09	3855877.25	0.69519	0.13918	1.00549	0.49278	0.48605	0.33709	0.4254	0.13918	3.34E+00	5.92E-03	2.41E-06	1.19E-02	1.05E-01	2.18E-02	6.94E-02	2.18E-02	3.53E+00
4189	485863.09	3855877.25	0.57198	0.10749	0.64736	3.29437	0.47688	0.75409	0.5286	0.10749	2.74E+00	4.57E-03	1.55E-06	7.98E-02	1.03E-01	4.88E-02	8.63E-02	1.68E-02	3.05E+00
4190	486363.09	3855877.25	0.47192	0.0815	0.4017	0.47718	0.35205	0.2731	0.2418	0.0815	2.26E+00	3.47E-03	9.63E-07	1.16E-02	7.59E-02	1.77E-02	3.95E-02	1.28E-02	2.40E+00
4191	486863.09	3855877.25	0.43219	0.09083	0.28577	0.29114	0.36863	0.20316	0.1506	0.09083	2.07E+00	3.86E-03	6.85E-07	7.05E-03	7.95E-02	1.31E-02	2.46E-02	1.42E-02	2.19E+00
4192	487363.09	3855877.25	0.3505	0.09824	0.26861	0.24513	0.8105	0.17377	0.1457	0.09824	1.68E+00	4.18E-03	6.44E-07	5.94E-03	1.75E-01	1.12E-02	2.38E-02	1.54E-02	1.89E+00
4193	487863.09	3855877.25	0.30893	0.07806	0.27941	0.21099	0.5845	0.15593	0.1251	0.07806	1.48E+00	3.32E-03	6.70E-07	5.11E-03	1.26E-01	1.01E-02	2.04E-02	1.22E-02	1.64E+00
4194	488363.09	3855877.25	0.25296	0.06637	0.26868	0.18138	0.69317	0.13766	0.1109	0.06637	1.21E+00	2.82E-03	6.44E-07	4.39E-03	1.49E-01	8.91E-03	1.81E-02	1.04E-02	1.39E+00
4195	488863.09	3855877.25	0.22967	0.06505	0.21182	0.16868	1.03898	0.12278	0.0968	0.06505	1.10E+00	2.77E-03	5.08E-07	4.09E-03	2.24E-01	7.94E-03	1.58E-02	1.02E-02	1.35E+00
4196	489363.09	3855877.25	0.21066	0.06103	0.20414	0.15136	0.95622	0.11164	0.0817	0.06103	1.01E+00	2.60E-03	4.90E-07	3.67E-03	2.06E-01	7.22E-03	1.33E-02	9.56E-03	1.23E+00
4197	489863.09	3855877.25	0.1996	0.05032	0.16298	0.12372	0.94601	0.11002	0.0695	0.05032	9.58E-01	2.14E-03	3.91E-07	3.00E-03	2.04E-01	7.12E-03	1.13E-02	7.88E-03	1.18E+00
4198	490363.09	3855877.25	0.18812	0.05714	0.14791	0.1174	1.08528	0.10127	0.0642	0.05714	9.03E-01	2.43E-03	3.55E-07	2.84E-03	2.34E-01	6.55E-03	1.05E-02	8.95E-03	1.15E+00
4199	490863.09	3855877.25	0.19172	0.05265	0.13756	0.12799	0.94084	0.09187	0.0658	0.05265	9.20E-01	2.24E-03	3.30E-07	3.10E-03	2.03E-01	5.94E-03	1.07E-02	8.25E-03	1.14E+00
4200	491363.09	3855877.25	0.18341	0.04273	0.09883	0.10009	0.61405	0.07449	0.056	0.04273	8.80E-01	1.82E-03	2.37E-07	2.42E-03	1.32E-01	4.82E-03	9.13E-03	6.69E-03	1.02E+00
4201	491863.09	3855877.25	0.16755	0.04812	0.09379	0.12137	0.67251	0.08454	0.0545	0.04812	8.04E-01	2.05E-03	2.25E-07	2.94E-03	1.45E-01	5.47E-03	8.90E-03	7.54E-03	9.61E-01
4202	492363.09	3855877.25	0.15503	0.04806	0.08902	0.13239	0.60199	0.07788	0.0561	0.04806	7.44E-01	2.04E-03	2.14E-07	3.21E-03	1.30E-01	5.04E-03	9.15E-03	7.53E-03	8.86E-01
4203	492863.09	3855877.25	0.15236	0.04931	0.11331	0.14371	0.57325	0.06839	0.0522	0.04931	7.31E-01	2.10E-03	2.72E-07	3.48E-03	1.24E-01	4.42E-03	8.52E-03	7.72E-03	8.66E-01
4204	493363.09	3855877.25	0.13203	0.03899	0.06478	0.08005	0.33901	0.05109	0.0393	0.03899	6.34E-01	1.66E-03	1.55E-07	1.94E-03	7.31E-02	3.31E-03	6.41E-03	6.11E-03	7.14E-01
4205	493863.09	3855877.25	0.08932	0.03074	0.04359	0.06495	0.22845	0.03728	0.0308	0.03074	4.29E-01	1.31E-03	1.05E-07	1.57E-03	4.93E-02	2.41E-03	5.02E-03	4.82E-03	4.83E-01
4206	494363.09	3855877.25	0.05473	0.02421	0.03707	0.03903	0.15427	0.03135	0.0237	0.02421	2.63E-01	1.03E-03	8.89E-08	9.46E-04	3.33E-02	2.03E-03	3.88E-03	3.79E-03	3.00E-01
4207	494863.09	3855877.25	0.03949	0.01606	0.03051	0.03241	0.1158	0.02603	0.0162	0.01606	1.90E-01	6.83E-04	7.32E-08	7.85E-04	2.50E-02	1.68E-03	2.64E-03	2.52E-03	2.18E-01
4208	495363.09	3855877.25	0.03074	0.01268	0.02394	0.03207	0.08713	0.02377	0.0131	0.01268	1.48E-01	5.40E-04	5.74E-08	7.77E-04	1.88E-02	1.54E-03	2.14E-03	1.99E-03	1.69E-01
4209	495863.09	3855877.25	0.03049	0.01235	0.02422	0.03058	0.08373	0.02255	0.0128	0.01235	1.46E-01	5.25E-04	5.81E-08	7.41E-04	1.81E-02	1.46E-03	2.08E-03	1.93E-03	1.67E-01
4210	496363.09	3855877.25	0.03022	0.01224	0.02346	0.02894	0.07994	0.02315	0.0129	0.01224	1.45E-01	5.21E-04	5.63E-08	7.01E-04	1.72E-02	1.50E-03	2.11E-03	1.92E-03	1.65E-01
4211	496863.09	3855877.25	0.0309	0.01237	0.02451	0.02886	0.08265	0.02354	0.0128	0.01237	1.48E-01	5.26E-04	5.88E-08	6.99E-04	1.78E-02	1.52E-03	2.08E-03	1.94E-03	1.69E-01
4212	497363.09	3855877.25	0.03095	0.01276	0.02512	0.02976	0.08287	0.0251	0.013	0.01276	1.49E-01	5.43E-04	6.02E-08	7.21E-04	1.79E-02	1.62E-03	2.12E-03	2.00E-03	1.69E-01
4213	497863.09	3855877.25	0.03209	0.01351	0.0243	0.03081	0.0861	0.02494	0.0141	0.01351	1.54E-01	5.75E-04	5.83E-08	7.46E-04	1.86E-02	1.61E-03	2.30E-03	2.12E-03	1.76E-01
4214	498363.09	3855877.25	0.03807	0.01548	0.02648	0.03318	0.09253	0.02883	0.0151	0.01548	1.83E-01	6.59E-04	6.35E-08	8.04E-04	2.00E-02	1.87E-03	2.47E-03	2.42E-03	2.06E-01

4215	471363.09	3856377.25	0.05989	0.03315	0.02868	0.03335	0.05844	0.03023	0.0345	0.03315	2.87E-01	1.41E-03	6.88E-08	8.08E-04	1.26E-02	1.96E-03	5.63E-03	5.19E-03	3.05E-01
4216	471863.09	3856377.25	0.0617	0.03369	0.02952	0.03344	0.0628	0.03246	0.0364	0.03369	2.96E-01	1.43E-03	7.08E-08	8.10E-04	1.35E-02	2.10E-03	5.95E-03	5.28E-03	3.15E-01
4217	472363.09	3856377.25	0.06448	0.03425	0.0312	0.03536	0.06733	0.03443	0.0377	0.03425	3.09E-01	1.46E-03	7.48E-08	8.57E-04	1.45E-02	2.23E-03	6.15E-03	5.37E-03	3.29E-01
4218	472863.09	3856377.25	0.06815	0.03473	0.03819	0.03827	0.07196	0.03707	0.0387	0.03473	3.27E-01	1.48E-03	9.16E-08	9.27E-04	1.55E-02	2.40E-03	6.32E-03	5.44E-03	3.48E-01
4219	473363.09	3856377.25	0.07312	0.03546	0.03769	0.04081	0.07673	0.03915	0.0391	0.03546	3.51E-01	1.51E-03	9.04E-08	9.89E-04	1.65E-02	2.53E-03	6.38E-03	5.55E-03	3.73E-01
4220	473863.09	3856377.25	0.07897	0.04076	0.04502	0.04387	0.08131	0.04734	0.0405	0.04076	3.79E-01	1.73E-03	1.08E-07	1.06E-03	1.75E-02	3.06E-03	6.60E-03	6.39E-03	4.03E-01
4221	474363.09	3856377.25	0.08337	0.04268	0.04069	0.04452	0.08674	0.05108	0.0424	0.04268	4.00E-01	1.82E-03	9.76E-08	1.08E-03	1.87E-02	3.30E-03	6.92E-03	6.69E-03	4.25E-01
4222	474863.09	3856377.25	0.08594	0.04024	0.03665	0.04441	0.08888	0.04265	0.0401	0.04024	4.12E-01	1.71E-03	8.79E-08	1.08E-03	1.92E-02	2.76E-03	6.54E-03	6.30E-03	4.37E-01
4223	475363.09	3856377.25	0.07905	0.03294	0.03225	0.03707	0.09089	0.03445	0.0361	0.03294	3.79E-01	1.40E-03	7.73E-08	8.98E-04	1.96E-02	2.23E-03	5.89E-03	5.16E-03	4.04E-01
4224	475863.09	3856377.25	0.05872	0.02645	0.03526	0.03045	0.06368	0.03332	0.0258	0.02645	2.82E-01	1.13E-03	8.46E-08	7.38E-04	1.37E-02	2.16E-03	4.21E-03	4.14E-03	3.00E-01
4225	476363.09	3856377.25	0.05555	0.02576	0.03814	0.02911	0.06902	0.0335	0.0249	0.02576	2.67E-01	1.10E-03	9.15E-08	7.05E-04	1.49E-02	2.17E-03	4.06E-03	4.04E-03	2.85E-01
4226	476863.09	3856377.25	0.05509	0.02597	0.03191	0.02906	0.06801	0.03346	0.0249	0.02597	2.64E-01	1.10E-03	7.65E-08	7.04E-04	1.47E-02	2.16E-03	4.07E-03	4.07E-03	2.83E-01
4227	477363.09	3856377.25	0.05837	0.02523	0.03566	0.02929	0.07396	0.03508	0.0252	0.02523	2.80E-01	1.07E-03	8.55E-08	7.10E-04	1.60E-02	2.27E-03	4.11E-03	3.95E-03	3.00E-01
4228	477863.09	3856377.25	0.05235	0.0238	0.03283	0.02932	0.073	0.03503	0.0232	0.0238	2.51E-01	1.01E-03	7.87E-08	7.10E-04	1.57E-02	2.27E-03	3.79E-03	3.73E-03	2.71E-01
4229	478363.09	3856377.25	0.05322	0.023	0.03496	0.02761	0.07252	0.03684	0.0224	0.023	2.55E-01	9.79E-04	8.38E-08	6.69E-04	1.56E-02	2.38E-03	3.66E-03	3.60E-03	2.75E-01
4230	478863.09	3856377.25	0.08109	0.02926	0.04776	0.03469	0.10692	0.04313	0.0275	0.02926	3.89E-01	1.24E-03	1.15E-07	8.40E-04	2.31E-02	2.79E-03	4.48E-03	4.58E-03	4.17E-01
4231	479363.09	3856377.25	0.11133	0.03243	0.05911	0.04309	0.11737	0.047	0.036	0.03243	5.34E-01	1.38E-03	1.42E-07	1.04E-03	2.53E-02	3.04E-03	5.87E-03	5.08E-03	5.66E-01
4232	479863.09	3856377.25	0.19014	0.0478	0.07109	0.07168	0.13587	0.06937	0.0497	0.0478	9.12E-01	2.03E-03	1.70E-07	1.74E-03	2.93E-02	4.49E-03	8.12E-03	7.49E-03	9.51E-01
4233	480363.09	3856377.25	0.2291	0.0556	0.08623	0.09009	0.13083	0.09179	0.0612	0.0556	1.10E+00	2.37E-03	2.07E-07	2.18E-03	2.82E-02	5.94E-03	1.00E-02	8.71E-03	1.14E+00
4234	480863.09	3856377.25	0.25548	0.06978	0.12995	0.12499	0.1457	0.11858	0.0728	0.06978	1.23E+00	2.97E-03	3.12E-07	3.03E-03	3.14E-02	7.67E-03	1.19E-02	1.09E-02	1.27E+00
4235	481363.09	3856377.25	0.26994	0.08761	0.14588	0.13122	0.14589	0.15178	0.0778	0.08761	1.30E+00	3.73E-03	3.50E-07	3.18E-03	3.15E-02	9.82E-03	1.27E-02	1.37E-02	1.34E+00
4236	481863.09	3856377.25	0.27336	0.11042	0.26404	0.13804	0.21204	0.17172	0.0813	0.11042	1.31E+00	4.70E-03	6.33E-07	3.34E-03	4.57E-02	1.11E-02	1.33E-02	1.73E-02	1.37E+00
4237	482363.09	3856377.25	0.31117	0.11675	0.44829	0.14228	0.31968	0.19473	0.0826	0.11675	1.49E+00	4.97E-03	1.08E-06	3.45E-03	6.89E-02	1.26E-02	1.35E-02	1.83E-02	1.58E+00
4238	482863.09	3856377.25	0.39395	0.12534	0.44737	0.15191	0.37794	0.20316	0.0834	0.12534	1.89E+00	5.33E-03	1.07E-06	3.68E-03	8.15E-02	1.31E-02	1.36E-02	1.96E-02	1.99E+00
4239	483363.09	3856377.25	0.68501	0.1505	0.40835	0.16796	0.56437	0.27602	0.091	0.1505	3.29E+00	6.40E-03	9.79E-07	4.07E-03	1.22E-01	1.79E-02	1.48E-02	2.36E-02	3.43E+00
4240	483863.09	3856377.25	0.67844	0.19036	0.63862	0.16116	0.76869	0.39512	0.1016	0.19036	3.26E+00	8.10E-03	1.53E-06	3.90E-03	1.66E-01	2.56E-02	1.66E-02	2.98E-02	3.45E+00
4241	484363.09	3856377.25	0.66026	0.31674	0.87895	0.1831	0.61445	1.40837	0.1162	0.31674	3.17E+00	1.35E-02	2.11E-06	4.44E-03	1.33E-01	9.11E-02	1.90E-02	4.96E-02	3.38E+00
4242	484863.09	3856377.25	0.63675	1.21274	1.45456	0.22049	0.7223	0.35813	0.1428	1.21274	3.06E+00	5.16E-02	3.49E-06	5.34E-03	1.56E-01	2.32E-02	2.33E-02	1.90E-01	3.12E+00
4243	485363.09	3856377.25	0.698	0.29965	0.86068	0.29142	0.93654	0.24088	0.1976	0.29965	3.35E+00	1.27E-02	2.06E-06	7.06E-03	2.02E-01	1.56E-02	3.23E-02	4.69E-02	3.57E+00
4244	485863.09	3856377.25	0.72737	0.16269	0.69194	0.45467	1.06223	0.31005	0.3619	0.16269	3.49E+00	6.92E-03	1.66E-06	1.10E-02	2.29E-01	2.01E-02	5.91E-02	2.55E-02	3.79E+00
4245	486363.09	3856377.25	0.68569	0.10141	0.42005	2.01685	0.85869	1.17754	0.5177	0.10141	3.29E+00	4.31E-03	1.01E-06	4.89E-02	1.85E-01	7.62E-02	8.45E-02	1.59E-02	3.67E+00
4246	486863.09	3856377.25	0.48131	0.08328	0.29605	0.62885	1.37766	0.33016	0.2662	0.08328	2.31E+00	3.54E-03	7.10E-07	1.52E-02	2.97E-01	2.14E-02	4.34E-02	1.30E-02	2.68E+00
4247	487363.09	3856377.25	0.38786	0.08921	0.2614	0.32825	1.72118	0.24154	0.179	0.08921	1.86E+00	3.80E-03	6.27E-07	7.95E-03	3.71E-01	1.56E-02	2.92E-02	1.40E-02	2.28E+00
4248	487863.09	3856377.25	0.32264	0.10342	0.25393	0.24843	1.54416	0.19593	0.1433	0.10342	1.55E+00	4.40E-03	6.09E-07	6.02E-03	3.33E-01	1.27E-02	2.34E-02	1.62E-02	1.91E+00
4249	488363.09	3856377.25	0.27463	0.09404	0.22419	0.2192	1.72531	0.1677	0.1225	0.09404	1.32E+00	4.00E-03	5.38E-07	5.31E-03	3.72E-01	1.09E-02	2.00E-02	1.47E-02	1.72E+00
4250	488863.09	3856377.25	0.2387	0.0823	0.27004	0.1942	1.94627	0.15291	0.112	0.0823	1.15E+00	3.50E-03	6.48E-07	4.70E-03	4.20E-01	9.89E-03	1.83E-02	1.29E-02	1.59E+00
4251	489363.09	3856377.25	0.22138	0.07632	0.19645	0.17563	1.65699	0.14607	0.1	0.07632	1.06E+00	3.25E-03	4.71E-07	4.25E-03	3.57E-01	9.45E-03	1.63E-02	1.20E-02	1.44E+00
4252	489863.09	3856377.25	0.20175	0.07113	0.18147	0.16094	1.4906	0.13882	0.0857	0.07113	9.68E-01	3.03E-03	4.35E-07	3.90E-03	3.21E-01	8.98E-03	1.40E-02	1.11E-02	1.31E+00
4253	490363.09	3856377.25	0.19506	0.06113	0.18903	0.15587	1.30166	0.12831	0.0725	0.06113	9.36E-01	2.60E-03	4.53E-07	3.78E-03	2.81E-01	8.30E-03	1.18E-02	9.58E-03	1.23E+00
4254	490863.09	3856377.25	0.19105	0.05304	0.15159	0.15737	1.06319	0.11751	0.0677	0.05304	9.17E-01	2.26E-03	3.64E-07	3.81E-03	2.29E-01	7.60E-03	1.11E-02	8.31E-03	1.16E+00
4255	491363.09	3856377.25	0.17501	0.05104	0.13686	0.18199	1.05287	0.11175	0.0617	0.05104	8.40E-01	2.17E-03	3.28E-07	4.41E-03	2.27E-01	7.23E-03	1.01E-02	8.00E-03	1.08E+00
4256	491863.09	3856377.25	0.16799	0.05204	0.13885	0.19883	1.00074	0.0984	0.0586	0.05204	8.06E-01	2.21E-03	3.33E-07	4.82E-03	2.16E-01	6.37E-03	9.57E-03	8.15E-03	1.04E+00
4257	492363.09	3856377.25	0.16733	0.04525	0.11139	0.21206	0.86264	0.08238	0.0565	0.04525	8.03E-01	1.93E-03	2.67E-07	5.14E-03	1.86E-01	5.33E-03	9.22E-03	7.09E-03	1.00E+00
4258	492863.09	3856377.25	0.15824	0.04049	0.08462	0.24698	0.55486	0.0682	0.0513	0.04049	7.59E-01	1.72E-03	2.03E-07	5.98E-03	1.20E-01	4.41E-03	8.38E-03	6.34E-03	8.93E-01
4259	493363.09	3856377.25	0.09313	0.03696	0.04733	0.08059	0.24354	0.04364	0.038	0.03696	4.47E-01	1.57E-03	1.14E-07	1.95E-03	5.25E-02	2.82E-03	6.20E-03	5.79E-03	5.06E-01
4260	493863.09	3856377.25	0.065	0.03043	0.04118	0.05547	0.19211	0.03785	0.031	0.03043	3.12E-01	1.29E-03	9.88E-08	1.34E-03	4.14E-02	2.45E-03	5.05E-03	4.77E-03	3.59E-01
4261	494363.09	3856377.25	0.05025	0.019	0.03172	0.04541	0.14157	0.03426	0.0191	0.019	2.41E-01	8.08E-04	7.61E-08	1.10E-03	3.05E-02	2.22E-03	3.12E-03	2.98E-03	2.76E-01
4262	494863.09	3856377.25	0.03326	0.01474	0.02566	0.03611	0.11749	0.02754	0.0143	0.01474	1.60E-01	6.27E-04	6.15E-08	8.75E-04	2.53E-02	1.78E-03	2.33E-03	2.31E-03	1.88E-01
4263	495363.09	3856377.25	0.03065	0.01224	0.02452	0.03673	0.10212	0.02762	0.0124	0.01224	1.47E-01	5.21E-04	5.88E-08	8.90E-04	2.20E-02	1.79E-03	2.02E-03	1.92E-03	1.72E-01
4264	495863.09	3856377.25	0.03091	0.0123	0.02496	0.03242	0.0978	0.02652	0.0124	0.0123	1.48E-01	5.23E-04	5.99E-08	7.85E-04	2.11E-02	1.72E-03	2.02E-03	1.93E-03	1.73E-01
4265	496363.09	3856377.25	0.03009	0.01292	0.0247	0.03158	0.09657	0.02553	0.0126	0.01292	1.44E-01	5.50E-04	5.92E-08	7.65E-04	2.08E-02	1.65E-03	2.06E-03	2.02E-03	1.68E-01
4266	496863.09	3856377.25	0.03099	0.0143	0.02494	0.03357	0.09414	0.02671	0.0131	0.0143	1.49E-01	6.08E-04	5.98E-08	8.13E-04	2.03E-02	1.73E-03	2.14E-03	2.24E-03	1.72E-01
4267	497363.09	3856377.25	0.03407	0.01463	0.02576	0.03362	0.09177	0.02618	0.0139	0.01463	1.63E-01	6.22E-04	6.18E-08	8.15E-04	1.98E-02	1.69E-03	2.27E-03	2.29E-03	1.86E-01
4268	497863.09	3856377.25	0.03867	0.01543	0.02799	0.03528	0.09199	0.03336	0.0153	0.01543	1.86E-01	6.57E-04	6.71E-08	8.55E-04	1.98E-02	2.16E-03	2.50E-03	2.42E-03	2.09E-01
4269	498363.09	3856377.25	0.04701	0.01657	0.02896	0.03865	0.10495	0.06474	0.0169	0.01657	2.26E-01	7.05E-04	6.95E-08	9.36E-04	2.26E-02	4.19E-03	2.75E-03	2.60E-03	2.54E-01
4270	471363.09	3856877.25	0.06075	0.02917	0.03537	0.03669	0.0434	0.0365	0.0301	0.02917	2.92E-01	1.24E-03	8.48E-08	8.89E-04	9.36E-03	2.36E-03	4.91E-03	4.57E-03	3.06E-01
4271	471863.09	3856877.25	0.06581	0.02953	0.03513	0.03808	0.04557	0.03728	0.03	0.02953	3.16E-01	1.26E-03	8.43E-08	9.23E-04	9.83E-03	2.41E-03	4.89E-03	4.63E-03	3.30E-01

4272	472363.09	3856877.25	0.07275	0.03126	0.03499	0.03956	0.048	0.03907	0.032	0.03126	3.49E-01	1.33E-03	8.39E-08	9.58E-04	1.04E-02	2.53E-03	5.23E-03	4.90E-03	3.65E-01
4273	472863.09	3856877.25	0.07964	0.03387	0.03338	0.04148	0.05062	0.04072	0.0341	0.03387	3.82E-01	1.44E-03	8.01E-08	1.00E-03	1.09E-02	2.63E-03	5.56E-03	5.31E-03	3.98E-01
4274	473363.09	3856877.25	0.08464	0.03531	0.0352	0.04466	0.05357	0.04576	0.0392	0.03531	4.06E-01	1.50E-03	8.44E-08	1.08E-03	1.16E-02	2.96E-03	6.40E-03	5.53E-03	4.24E-01
4275	473863.09	3856877.25	0.08852	0.03654	0.03888	0.0459	0.05663	0.04715	0.0411	0.03654	4.25E-01	1.55E-03	9.32E-08	1.11E-03	1.22E-02	3.05E-03	6.71E-03	5.72E-03	4.44E-01
4276	474363.09	3856877.25	0.09295	0.04011	0.03261	0.0461	0.0597	0.04239	0.041	0.04011	4.46E-01	1.71E-03	7.82E-08	1.12E-03	1.29E-02	2.74E-03	6.69E-03	6.28E-03	4.65E-01
4277	474863.09	3856877.25	0.10069	0.03751	0.03246	0.04808	0.06304	0.03967	0.0383	0.03751	4.83E-01	1.60E-03	7.79E-08	1.16E-03	1.36E-02	2.57E-03	6.26E-03	5.88E-03	5.03E-01
4278	475363.09	3856877.25	0.09675	0.03324	0.03099	0.03842	0.06659	0.03478	0.0333	0.03324	4.64E-01	1.41E-03	7.43E-08	9.31E-04	1.44E-02	2.25E-03	5.44E-03	5.21E-03	4.83E-01
4279	475863.09	3856877.25	0.10484	0.0312	0.02973	0.0372	0.07075	0.03684	0.0317	0.0312	5.03E-01	1.33E-03	7.13E-08	9.01E-04	1.53E-02	2.38E-03	5.17E-03	4.89E-03	5.23E-01
4280	476363.09	3856877.25	0.0956	0.02848	0.03198	0.03478	0.07513	0.03455	0.0283	0.02848	4.59E-01	1.21E-03	7.67E-08	8.43E-04	1.62E-02	2.24E-03	4.62E-03	4.46E-03	4.79E-01
4281	476863.09	3856877.25	0.07354	0.02881	0.03209	0.03421	0.08004	0.03531	0.0258	0.02881	3.53E-01	1.23E-03	7.70E-08	8.29E-04	1.73E-02	2.28E-03	4.20E-03	4.51E-03	3.74E-01
4282	477363.09	3856877.25	0.06754	0.02701	0.03434	0.02989	0.08531	0.03598	0.0256	0.02701	3.24E-01	1.15E-03	8.24E-08	7.24E-04	1.84E-02	2.33E-03	4.17E-03	4.23E-03	3.47E-01
4283	477863.09	3856877.25	0.0477	0.02356	0.03343	0.02631	0.06289	0.03418	0.0217	0.02356	2.29E-01	1.00E-03	8.02E-08	6.37E-04	1.36E-02	2.21E-03	3.54E-03	3.69E-03	2.46E-01
4284	478363.09	3856877.25	0.04566	0.0228	0.0322	0.02509	0.06617	0.03562	0.0211	0.0228	2.19E-01	9.70E-04	7.72E-08	6.08E-04	1.43E-02	2.30E-03	3.44E-03	3.57E-03	2.37E-01
4285	478863.09	3856877.25	0.05507	0.02414	0.04174	0.02881	0.08191	0.03738	0.0239	0.02414	2.64E-01	1.03E-03	1.00E-07	6.98E-04	1.77E-02	2.42E-03	3.89E-03	3.78E-03	2.86E-01
4286	479363.09	3856877.25	0.06911	0.02729	0.04692	0.03296	0.0993	0.04344	0.0262	0.02729	3.32E-01	1.16E-03	1.13E-07	7.99E-04	2.14E-02	2.81E-03	4.27E-03	4.28E-03	3.58E-01
4287	479863.09	3856877.25	0.18048	0.0444	0.09098	0.07254	0.12488	0.06606	0.0464	0.0444	8.66E-01	1.89E-03	2.18E-07	1.76E-03	2.69E-02	4.27E-03	7.57E-03	6.96E-03	9.02E-01
4288	480363.09	3856877.25	0.2275	0.05426	0.0954	0.09521	0.13301	0.08076	0.0608	0.05426	1.09E+00	2.31E-03	2.29E-07	2.31E-03	2.87E-02	5.23E-03	9.92E-03	8.50E-03	1.13E+00
4289	480863.09	3856877.25	0.23845	0.07828	0.16887	0.11324	0.16142	0.11247	0.0725	0.07828	1.14E+00	3.33E-03	4.05E-07	2.74E-03	3.48E-02	7.28E-03	1.18E-02	1.23E-02	1.19E+00
4290	481363.09	3856877.25	0.24894	0.08931	0.20648	0.12723	0.17102	0.14085	0.0736	0.08931	1.19E+00	3.80E-03	4.95E-07	3.08E-03	3.69E-02	9.11E-03	1.20E-02	1.40E-02	1.25E+00
4291	481863.09	3856877.25	0.27361	0.09833	0.23616	0.13215	0.19981	0.15636	0.0796	0.09833	1.31E+00	4.18E-03	5.66E-07	3.20E-03	4.31E-02	1.01E-02	1.30E-02	1.54E-02	1.37E+00
4292	482363.09	3856877.25	0.29119	0.10813	0.30127	0.13028	0.22645	0.1937	0.0802	0.10813	1.40E+00	4.60E-03	7.23E-07	3.16E-03	4.88E-02	1.25E-02	1.31E-02	1.69E-02	1.46E+00
4293	482863.09	3856877.25	0.34712	0.12209	0.27621	0.13524	0.23533	0.20779	0.081	0.12209	1.67E+00	5.19E-03	6.62E-07	3.28E-03	5.08E-02	1.34E-02	1.32E-02	1.91E-02	1.73E+00
4294	483363.09	3856877.25	0.50902	0.13759	0.27795	0.14601	0.2972	0.23413	0.0867	0.13759	2.44E+00	5.85E-03	6.67E-07	3.54E-03	6.41E-02	1.51E-02	1.41E-02	2.16E-02	2.52E+00
4295	483863.09	3856877.25	0.70988	0.15331	0.41998	0.15706	0.32448	0.27065	0.0926	0.15331	3.41E+00	6.52E-03	1.01E-06	3.81E-03	7.00E-02	1.75E-02	1.51E-02	2.40E-02	3.50E+00
4296	484363.09	3856877.25	0.701	0.17883	0.37119	0.17328	0.35875	0.37719	0.1015	0.17883	3.36E+00	7.61E-03	8.90E-07	4.20E-03	7.74E-02	2.44E-02	1.66E-02	2.80E-02	3.47E+00
4297	484863.09	3856877.25	0.66603	0.27929	0.31177	0.19114	0.54959	0.85642	0.1164	0.27929	3.20E+00	1.19E-02	7.48E-07	4.63E-03	1.19E-01	5.54E-02	1.90E-02	4.38E-02	3.36E+00
4298	485363.09	3856877.25	0.68441	0.64843	0.58653	0.21175	0.88373	0.40901	0.1424	0.64843	3.28E+00	2.76E-02	1.41E-06	5.13E-03	1.91E-01	2.65E-02	2.32E-02	1.02E-01	3.46E+00
4299	485863.09	3856877.25	0.73807	0.3995	0.34914	0.27274	1.40254	0.2702	0.1947	0.3995	3.54E+00	1.70E-02	8.37E-07	6.61E-03	3.02E-01	1.75E-02	3.18E-02	6.26E-02	3.85E+00
4300	486363.09	3856877.25	0.78287	0.12764	0.35587	0.48348	2.4251	0.29807	0.3931	0.12764	3.76E+00	5.43E-03	8.53E-07	1.17E-02	5.23E-01	1.93E-02	6.42E-02	2.00E-02	4.36E+00
4301	486863.09	3856877.25	0.68408	0.11059	0.31444	1.4627	3.76955	1.38732	0.5643	0.11059	3.28E+00	4.71E-03	7.54E-07	3.54E-02	8.13E-01	8.98E-02	9.21E-02	1.73E-02	4.30E+00
4302	487363.09	3856877.25	0.45729	0.1085	0.24613	0.63252	8.8454	0.40344	0.2677	0.1085	2.19E+00	4.62E-03	5.90E-07	1.53E-02	1.91E+00	2.61E-02	4.37E-02	1.70E-02	4.17E+00
4303	487863.09	3856877.25	0.35625	0.10133	0.24681	0.37107	7.60529	0.25711	0.1823	0.10133	1.71E+00	4.31E-03	5.92E-07	8.99E-03	1.64E+00	1.66E-02	2.98E-02	1.59E-02	3.39E+00
4304	488363.09	3856877.25	0.29443	0.09662	0.28839	0.25136	4.08457	0.20861	0.1383	0.09662	1.41E+00	4.11E-03	6.92E-07	6.09E-03	8.81E-01	1.35E-02	2.26E-02	1.51E-02	2.33E+00
4305	488863.09	3856877.25	0.2596	0.10108	0.25049	0.22002	2.99849	0.20628	0.1175	0.10108	1.25E+00	4.30E-03	6.01E-07	5.33E-03	6.47E-01	1.33E-02	1.92E-02	1.58E-02	1.92E+00
4306	489363.09	3856877.25	0.23464	0.09233	0.24571	0.20054	2.37857	0.18311	0.1021	0.09233	1.13E+00	3.93E-03	5.89E-07	4.86E-03	5.13E-01	1.18E-02	1.67E-02	1.45E-02	1.66E+00
4307	489863.09	3856877.25	0.216	0.0873	0.18829	0.18625	1.9534	0.17278	0.0991	0.0873	1.04E+00	3.71E-03	4.52E-07	4.51E-03	4.21E-01	1.12E-02	1.62E-02	1.37E-02	1.48E+00
4308	490363.09	3856877.25	0.20948	0.07658	0.18813	0.19817	1.65843	0.16057	0.089	0.07658	1.01E+00	3.26E-03	4.51E-07	4.80E-03	3.58E-01	1.04E-02	1.45E-02	1.20E-02	1.38E+00
4309	490863.09	3856877.25	0.19935	0.06523	0.1706	0.22643	1.35567	0.1369	0.0754	0.06523	9.57E-01	2.78E-03	4.09E-07	5.49E-03	2.92E-01	8.86E-03	1.23E-02	1.02E-02	1.27E+00
4310	491363.09	3856877.25	0.19381	0.05688	0.14886	0.33441	1.15483	0.12068	0.0683	0.05688	9.30E-01	2.42E-03	3.57E-07	8.10E-03	2.49E-01	7.81E-03	1.11E-02	8.91E-03	1.20E+00
4311	491863.09	3856877.25	0.18691	0.04708	0.13933	1.56174	0.91036	0.11331	0.0595	0.04708	8.97E-01	2.00E-03	3.34E-07	3.78E-02	1.96E-01	7.33E-03	9.71E-03	7.38E-03	1.14E+00
4312	492363.09	3856877.25	0.18223	0.03742	0.09841	0.64876	0.64479	0.08356	0.053	0.03742	8.75E-01	1.59E-03	2.36E-07	1.57E-02	1.39E-01	5.41E-03	8.66E-03	5.86E-03	1.04E+00
4313	492863.09	3856877.25	0.14765	0.03323	0.0724	0.16363	0.36063	0.07129	0.0422	0.03323	7.09E-01	1.41E-03	1.74E-07	3.96E-03	7.78E-02	4.61E-03	6.89E-03	5.21E-03	7.98E-01
4314	493363.09	3856877.25	0.09923	0.02847	0.04776	0.09658	0.25166	0.0507	0.0328	0.02847	4.76E-01	1.21E-03	1.15E-07	2.34E-03	5.43E-02	3.28E-03	5.35E-03	4.46E-03	5.38E-01
4315	493863.09	3856877.25	0.06367	0.02395	0.03988	0.0657	0.15913	0.03947	0.0238	0.02395	3.06E-01	1.02E-03	9.56E-08	1.59E-03	3.43E-02	2.55E-03	3.89E-03	3.75E-03	3.45E-01
4316	494363.09	3856877.25	0.04247	0.01611	0.03052	0.04867	0.11503	0.03172	0.0162	0.01611	2.04E-01	6.85E-04	7.32E-08	1.18E-03	2.48E-02	2.05E-03	2.65E-03	2.52E-03	2.33E-01
4317	494863.09	3856877.25	0.03517	0.01371	0.02687	0.042	0.10755	0.03129	0.0139	0.01371	1.69E-01	5.83E-04	6.44E-08	1.02E-03	2.32E-02	2.02E-03	2.27E-03	2.15E-03	1.96E-01
4318	495363.09	3856877.25	0.03197	0.0138	0.0257	0.03856	0.11442	0.02735	0.0134	0.0138	1.53E-01	5.87E-04	6.16E-08	9.34E-04	2.47E-02	1.77E-03	2.19E-03	2.16E-03	1.81E-01
4319	495863.09	3856877.25	0.03103	0.01362	0.02453	0.03724	0.09312	0.02817	0.0134	0.01362	1.49E-01	5.80E-04	5.88E-08	9.02E-04	2.01E-02	1.82E-03	2.19E-03	2.13E-03	1.72E-01
4320	496363.09	3856877.25	0.03316	0.01355	0.02617	0.03741	0.08736	0.02693	0.0136	0.01355	1.59E-01	5.77E-04	6.28E-08	9.06E-04	1.88E-02	1.74E-03	2.22E-03	2.12E-03	1.81E-01
4321	496863.09	3856877.25	0.03353	0.01461	0.02736	0.03822	0.08545	0.02822	0.0141	0.01461	1.61E-01	6.22E-04	6.56E-08	9.26E-04	1.84E-02	1.83E-03	2.30E-03	2.29E-03	1.83E-01
4322	497363.09	3856877.25	0.03477	0.01579	0.02777	0.0391	0.08833	0.03325	0.0148	0.01579	1.67E-01	6.72E-04	6.66E-08	9.47E-04	1.91E-02	2.15E-03	2.42E-03	2.47E-03	1.90E-01
4323	497863.09	3856877.25	0.04658	0.01703	0.0324	0.03907	0.08972	0.06977	0.0173	0.01703	2.24E-01	7.25E-04	7.77E-08	9.47E-04	1.94E-02	4.51E-03	2.83E-03	2.67E-03	2.49E-01
4324	498363.09	3856877.25	0.05345	0.02478	0.03557	0.04107	0.10311	0.05552	0.0249	0.02478	2.57E-01	1.05E-03	8.53E-08	9.95E-04	2.22E-02	3.59E-03	4.07E-03	3.88E-03	2.85E-01
4325	471363.09	3857377.25	0.07572	0.03005	0.03323	0.03699	0.05708	0.04052	0.0302	0.03005	3.63E-01	1.28E-03	7.97E-08	8.96E-04	1.23E-02	2.62E-03	4.93E-03	4.71E-03	3.81E-01
4326	471863.09	3857377.25	0.07699	0.02887	0.03491	0.03761	0.05859	0.04025	0.0308	0.02887	3.69E-01	1.23E-03	8.37E-08	9.11E-04	1.26E-02	2.60E-03	5.02E-03	4.52E-03	3.87E-01
4327	472363.09	3857377.25	0.07866	0.0288	0.03525	0.04193	0.06335	0.04175	0.0314	0.0288	3.77E-01	1.23E-03	8.45E-08	1.02E-03	1.37E-02	2.70E-03	5.13E-03	4.51E-03	3.97E-01
4328	472863.09	3857377.25	0.08212	0.03098	0.03565	0.0426	0.06706	0.04183	0.032	0.03098	3.94E-01	1.32E-03	8.55E-08	1.03E-03	1.45E-02	2.71E-03	5.22E-03	4.85E-03	4.14E-01

4329	473363.09	3857377.25	0.08843	0.03276	0.03852	0.04335	0.06911	0.04183	0.0335	0.03276
4330	473863.09	3857377.25	0.09629	0.03509	0.03821	0.04408	0.07132	0.04265	0.0364	0.03509
4331	474363.09	3857377.25	0.10292	0.03204	0.03591	0.04341	0.0733	0.04181	0.0364	0.03204
4332	474863.09	3857377.25	0.09456	0.02855	0.02581	0.03715	0.06973	0.03251	0.0312	0.02855
4333	475363.09	3857377.25	0.06729	0.0233	0.02281	0.02714	0.07189	0.02948	0.0243	0.0233
4334	475863.09	3857377.25	0.06083	0.02336	0.02473	0.0271	0.07439	0.02945	0.0238	0.02336
4335	476363.09	3857377.25	0.07517	0.0249	0.03138	0.03016	0.07729	0.03283	0.0255	0.0249
4336	476863.09	3857377.25	0.07958	0.02533	0.03827	0.03018	0.08024	0.03466	0.026	0.02533
4337	477363.09	3857377.25	0.06793	0.02652	0.03472	0.02902	0.08329	0.03368	0.0259	0.02652
4338	477863.09	3857377.25	0.05381	0.02413	0.02966	0.02703	0.08646	0.03441	0.0242	0.02413
4339	478363.09	3857377.25	0.04319	0.02301	0.02827	0.02664	0.08986	0.03011	0.0214	0.02301
4340	478863.09	3857377.25	0.04298	0.0195	0.03228	0.02764	0.08872	0.03008	0.0188	0.0195
4341	479363.09	3857377.25	0.06292	0.025	0.034	0.02876	0.09822	0.03554	0.0245	0.025
4342	479863.09	3857377.25	0.1663	0.03623	0.05459	0.05339	0.11021	0.06194	0.0427	0.03623
4343	480363.09	3857377.25	0.13787	0.03378	0.04509	0.04738	0.11185	0.04978	0.0323	0.03378
4344	480863.09	3857377.25	0.23814	0.07015	0.16623	0.11041	0.21717	0.11712	0.0688	0.07015
4345	481363.09	3857377.25	0.25647	0.0672	0.14179	0.12021	0.23935	0.1275	0.0703	0.0672
4346	481863.09	3857377.25	0.25341	0.08335	0.2457	0.12578	0.27929	0.1524	0.072	0.08335
4347	482363.09	3857377.25	0.25127	0.10755	0.20386	0.12551	0.34054	0.22684	0.0831	0.10755
4348	482863.09	3857377.25	0.27816	0.11152	0.24977	0.14032	0.36359	0.24045	0.0872	0.11152
4349	483363.09	3857377.25	0.29674	0.12261	0.30266	0.15114	0.3936	0.25558	0.0891	0.12261
4350	483863.09	3857377.25	0.35085	0.13548	0.41514	0.15171	0.53179	0.275	0.0908	0.13548
4351	484363.09	3857377.25	0.35558	0.15525	0.31307	0.15524	0.79676	0.28336	0.0965	0.15525
4352	484863.09	3857377.25	0.42238	0.19019	0.18929	0.16527	1.10014	0.3597	0.1033	0.19019
4353	485363.09	3857377.25	0.5885	0.24806	0.36712	0.18662	1.32867	0.69079	0.1145	0.24806
4354	485863.09	3857377.25	0.67757	0.4188	0.50436	0.21403	1.5776	0.52558	0.1398	0.4188
4355	486363.09	3857377.25	0.69678	0.53934	0.3504	0.28345	2.23176	0.33569	0.1953	0.53934
4356	486863.09	3857377.25	0.77641	0.16614	0.23307	0.47554	4.10715	0.2983	0.3919	0.16614
4357	487363.09	3857377.25	0.7444	0.14467	0.28718	1.23491	6.36111	0.79514	0.6407	0.14467
4358	487863.09	3857377.25	0.45772	0.136	0.3341	0.68279	9.25744	0.45885	0.2478	0.136
4359	488363.09	3857377.25	0.34708	0.12094	0.31454	0.39164	6.5057	0.31714	0.1897	0.12094
4360	488863.09	3857377.25	0.28419	0.11108	0.33579	0.29024	3.31433	0.29144	0.1476	0.11108
4361	489363.09	3857377.25	0.25739	0.10488	0.40972	0.25213	2.10298	0.27781	0.1246	0.10488
4362	489863.09	3857377.25	0.2361	0.09784	0.32283	0.30783	1.73386	0.22269	0.1066	0.09784
4363	490363.09	3857377.25	0.22778	0.08807	0.30775	0.29466	1.48819	0.19307	0.0956	0.08807
4364	490863.09	3857377.25	0.20981	0.07564	0.25628	0.3499	1.30166	0.17189	0.0821	0.07564
4365	491363.09	3857377.25	0.19969	0.06891	0.2192	0.8013	1.14312	0.15406	0.0768	0.06891
4366	491863.09	3857377.25	0.18964	0.05746	0.16587	0.60929	0.97977	0.13263	0.0655	0.05746
4367	492363.09	3857377.25	0.18276	0.03637	0.09665	0.19336	0.59119	0.08604	0.0509	0.03637
4368	492863.09	3857377.25	0.12465	0.02752	0.06714	0.09792	0.25249	0.06157	0.0337	0.02752
4369	493363.09	3857377.25	0.07612	0.02226	0.05015	0.0752	0.17456	0.04633	0.0255	0.02226
4370	493863.09	3857377.25	0.0643	0.02066	0.04355	0.0663	0.14505	0.04222	0.0237	0.02066
4371	494363.09	3857377.25	0.04587	0.01807	0.03991	0.05483	0.11491	0.039	0.0178	0.01807
4372	494863.09	3857377.25	0.04324	0.01714	0.04081	0.04728	0.10222	0.03527	0.0164	0.01714
4373	495363.09	3857377.25	0.04012	0.01586	0.03683	0.04326	0.09633	0.03281	0.0155	0.01586
4374	495863.09	3857377.25	0.03885	0.01607	0.03437	0.04038	0.09387	0.03336	0.0157	0.01607
4375	496363.09	3857377.25	0.03938	0.01614	0.03171	0.04022	0.09185	0.03963	0.0159	0.01614
4376	496863.09	3857377.25	0.04166	0.01641	0.03347	0.03976	0.08776	0.03695	0.0159	0.01641
4377	497363.09	3857377.25	0.04995	0.01756	0.0366	0.03891	0.08618	0.08129	0.0177	0.01756
4378	497863.09	3857377.25	0.05463	0.02075	0.03817	0.04156	0.10956	0.16521	0.0209	0.02075
4379	498363.09	3857377.25	0.06643	0.02646	0.04548	0.04809	0.12603	0.14247	0.0262	0.02646
4380	471363.09	3857877.25	0.07932	0.02878	0.02745	0.03538	0.06768	0.03879	0.0286	0.02878
4381	471863.09	3857877.25	0.08246	0.02859	0.03178	0.03575	0.06907	0.03855	0.0285	0.02859
4382	472363.09	3857877.25	0.08543	0.0287	0.02947	0.03615	0.07055	0.03884	0.0286	0.0287
4383	472863.09	3857877.25	0.09034	0.03051	0.03578	0.03663	0.07627	0.04006	0.0301	0.03051
4384	473363.09	3857877.25	0.09675	0.03079	0.04079	0.0372	0.07738	0.04062	0.0314	0.03079
4385	473863.09	3857877.25	0.10506	0.03248	0.03881	0.03951	0.0785	0.04589	0.0341	0.03248

4.24E-01	1.39E-03	9.24E-08	1.05E-03	1.49E-02	2.71E-03	5.47E-03	5.13E-03	4.45E-01
4.62E-01	1.49E-03	9.16E-08	1.07E-03	1.54E-02	2.76E-03	5.95E-03	5.50E-03	4.83E-01
4.94E-01	1.36E-03	8.61E-08	1.05E-03	1.58E-02	2.71E-03	5.94E-03	5.02E-03	5.16E-01
4.54E-01	1.21E-03	6.19E-08	9.00E-04	1.50E-02	2.10E-03	5.09E-03	4.47E-03	4.74E-01
3.23E-01	9.91E-04	5.47E-08	6.58E-04	1.55E-02	1.91E-03	3.97E-03	3.65E-03	3.42E-01
2.92E-01	9.94E-04	5.93E-08	6.57E-04	1.60E-02	1.91E-03	3.88E-03	3.66E-03	3.12E-01
3.61E-01	1.06E-03	7.53E-08	7.31E-04	1.67E-02	2.12E-03	4.16E-03	3.90E-03	3.82E-01
3.82E-01	1.08E-03	9.18E-08	7.31E-04	1.73E-02	2.24E-03	4.24E-03	3.97E-03	4.04E-01
3.26E-01	1.13E-03	8.33E-08	7.03E-04	1.80E-02	2.18E-03	4.23E-03	4.15E-03	3.48E-01
2.58E-01	1.03E-03	7.11E-08	6.55E-04	1.86E-02	2.23E-03	3.96E-03	3.78E-03	2.81E-01
2.07E-01	9.79E-04	6.78E-08	6.45E-04	1.94E-02	1.95E-03	3.48E-03	3.60E-03	2.30E-01
2.06E-01	8.30E-04	7.74E-08	6.70E-04	1.91E-02	1.95E-03	3.08E-03	3.05E-03	2.29E-01
3.02E-01	1.06E-03	8.15E-08	6.97E-04	2.12E-02	2.30E-03	3.99E-03	3.92E-03	3.27E-01
7.98E-01	1.54E-03	1.31E-07	1.29E-03	2.38E-02	4.01E-03	6.97E-03	5.68E-03	8.30E-01
6.62E-01	1.44E-03	1.08E-07	1.15E-03	2.41E-02	3.22E-03	5.27E-03	5.29E-03	6.92E-01
1.14E+00	2.98E-03	3.99E-07	2.67E-03	4.68E-02	7.58E-03	1.12E-02	1.10E-02	1.20E+00
1.23E+00	2.86E-03	3.40E-07	2.91E-03	5.16E-02	8.25E-03	1.15E-02	1.05E-02	1.30E+00
1.22E+00	3.55E-03	5.89E-07	3.05E-03	6.02E-02	9.86E-03	1.18E-02	1.31E-02	1.29E+00
1.21E+00	4.58E-03	4.89E-07	3.04E-03	7.34E-02	1.47E-02	1.36E-02	1.68E-02	1.30E+00
1.33E+00	4.75E-03	5.99E-07	3.40E-03	7.84E-02	1.56E-02	1.42E-02	1.75E-02	1.43E+00
1.42E+00	5.22E-03	7.26E-07	3.66E-03	8.49E-02	1.65E-02	1.45E-02	1.92E-02	1.53E+00
1.68E+00	5.76E-03	9.96E-07	3.68E-03	1.15E-01	1.78E-02	1.48E-02	2.12E-02	1.82E+00
1.71E+00	6.61E-03	7.51E-07	3.76E-03	1.72E-01	1.83E-02	1.58E-02	2.43E-02	1.90E+00
2.03E+00	8.09E-03	4.54E-07	4.00E-03	2.37E-01	2.33E-02	1.69E-02	2.98E-02	2.29E+00
2.82E+00	1.06E-02	8.80E-07	4.52E-03	2.87E-01	4.47E-02	1.87E-02	3.89E-02	3.15E+00
3.25E+00	1.78E-02	1.21E-06	5.19E-03	3.40E-01	3.40E-02	2.28E-02	6.56E-02	3.61E+00
3.34E+00	2.29E-02	8.40E-07	6.87E-03	4.81E-01	2.17E-02	3.19E-02	8.45E-02	3.82E+00
3.73E+00	7.07E-03	5.59E-07	1.15E-02	8.86E-01	1.93E-02	6.40E-02	2.60E-02	4.69E+00
3.57E+00	6.16E-03	6.89E-07	2.99E-02	1.37E+00	5.14E-02	1.05E-01	2.27E-02	5.11E+00
2.20E+00	5.79E-03	8.01E-07	1.65E-02	2.00E+00	2.97E-02	4.04E-02	2.13E-02	4.26E+00
1.67E+00	5.15E-03	7.54E-07	9.49E-03	1.40E+00	2.05E-02	3.10E-02	1.89E-02	3.12E+00
1.36E+00	4.73E-03	8.05E-07	7.03E-03	7.15E-01	1.89E-02	2.41E-02	1.74E-02	2.12E+00
1.24E+00	4.46E-03	9.83E-07	6.11E-03	4.54E-01	1.80E-02	2.03E-02	1.64E-02	1.72E+00
1.13E+00	4.16E-03	7.74E-07	7.46E-03	3.74E-01	1.44E-02	1.74E-02	1.53E-02	1.54E+00
1.09E+00	3.75E-03	7.38E-07	7.14E-03	3.21E-01	1.25E-02	1.56E-02	1.38E-02	1.44E+00
1.01E+00	3.22E-03	6.15E-07	8.48E-03	2.81E-01	1.11E-02	1.34E-02	1.18E-02	1.31E+00
9.58E-01	2.93E-03	5.26E-07	1.94E-02	2.47E-01	9.97E-03	1.25E-02	1.08E-02	1.24E+00
9.10E-01	2.44E-03	3.98E-07	1.48E-02	2.11E-01	8.58E-03	1.07E-02	9.00E-03	1.15E+00
8.77E-01	1.55E-03	2.32E-07	4.68E-03	1.28E-01	5.57E-03	8.31E-03	5.70E-03	1.02E+00
5.98E-01	1.17E-03	1.61E-07	2.37E-03	5.45E-02	3.98E-03	5.50E-03	4.31E-03	6.61E-01
3.65E-01	9.47E-04	1.20E-07	1.82E-03	3.76E-02	3.00E-03	4.17E-03	3.49E-03	4.09E-01
3.09E-01	8.79E-04	1.04E-07	1.61E-03	3.13E-02	2.73E-03	3.88E-03	3.24E-03	3.46E-01
2.20E-01	7.69E-04	9.57E-08	1.33E-03	2.48E-02	2.52E-03	2.90E-03	2.83E-03	2.50E-01
2.08E-01	7.29E-04	9.79E-08	1.15E-03	2.20E-02	2.28E-03	2.67E-03	2.69E-03	2.34E-01
1.93E-01	6.75E-04	8.83E-08	1.05E-03	2.08E-02	2.12E-03	2.53E-03	2.48E-03	2.17E-01
1.86E-01	6.84E-04	8.24E-08	9.78E-04	2.02E-02	2.16E-03	2.56E-03	2.52E-03	2.11E-01
1.89E-01	6.87E-04	7.61E-08	9.74E-04	1.98E-02	2.56E-03	2.59E-03	2.53E-03	2.13E-01
2.00E-01	6.98E-04	8.03E-08	9.63E-04	1.89E-02	2.39E-03	2.60E-03	2.57E-03	2.23E-01
2.40E-01	7.47E-04	8.78E-08	9.43E-04	1.86E-02	5.26E-03	2.88E-03	2.75E-03	2.65E-01
2.62E-01	8.83E-04	9.15E-08	1.01E-03	2.36E-02	1.07E-02	3.41E-03	3.25E-03	2.99E-01
3.19E-01	1.13E-03	1.09E-07	1.17E-03	2.72E-02	9.22E-03	4.27E-03	4.14E-03	3.58E-01
3.81E-01	1.22E-03	6.58E-08	8.57E-04	1.46E-02	2.51E-03	4.66E-03	4.51E-03	4.00E-01
3.96E-01	1.22E-03	7.62E-08	8.66E-04	1.49E-02	2.49E-03	4.65E-03	4.48E-03	4.15E-01
4.10E-01	1.22E-03	7.07E-08	8.76E-04	1.52E-02	2.51E-03	4.66E-03	4.50E-03	4.30E-01
4.34E-01	1.30E-03	8.58E-08	8.87E-04	1.64E-02	2.59E-03	4.91E-03	4.78E-03	4.55E-01
4.64E-01	1.31E-03	9.78E-08	9.01E-04	1.67E-02	2.63E-03	5.13E-03	4.82E-03	4.86E-01
5.04E-01	1.38E-03	9.31E-08	9.57E-04	1.69E-02	2.97E-03	5.56E-03	5.09E-03	5.27E-01

4386	474363.09	3857877.25	0.10711	0.02867	0.03749	0.03727	0.07928	0.04071	0.0273	0.02867	5.14E-01	1.22E-03	8.99E-08	9.03E-04	1.71E-02	2.63E-03	4.45E-03	4.49E-03	5.36E-01
4387	474863.09	3857877.25	0.09271	0.02248	0.03059	0.03308	0.08458	0.03167	0.0228	0.02248	4.45E-01	9.56E-04	7.34E-08	8.01E-04	1.82E-02	2.05E-03	3.72E-03	3.52E-03	4.67E-01
4388	475363.09	3857877.25	0.04766	0.0193	0.02513	0.02538	0.07909	0.0259	0.0193	0.0193	2.29E-01	8.21E-04	6.03E-08	6.15E-04	1.71E-02	1.68E-03	3.15E-03	3.02E-03	2.49E-01
4389	475863.09	3857877.25	0.03054	0.01218	0.02007	0.01932	0.05464	0.02065	0.0121	0.01218	1.47E-01	5.18E-04	4.81E-08	4.68E-04	1.18E-02	1.34E-03	1.97E-03	1.91E-03	1.61E-01
4390	476363.09	3857877.25	0.05378	0.02197	0.02747	0.0285	0.08152	0.02845	0.022	0.02197	2.58E-01	9.35E-04	6.59E-08	6.90E-04	1.76E-02	1.84E-03	3.58E-03	3.44E-03	2.79E-01
4391	476863.09	3857877.25	0.06656	0.02382	0.03362	0.02979	0.08363	0.03289	0.0239	0.02382	3.19E-01	1.01E-03	8.06E-08	7.22E-04	1.80E-02	2.13E-03	3.90E-03	3.73E-03	3.41E-01
4392	477363.09	3857877.25	0.06884	0.02398	0.03655	0.03013	0.08305	0.03381	0.0238	0.02398	3.30E-01	1.02E-03	8.77E-08	7.30E-04	1.79E-02	2.19E-03	3.88E-03	3.76E-03	3.52E-01
4393	477863.09	3857877.25	0.06536	0.02412	0.03517	0.03061	0.08617	0.03222	0.0238	0.02412	3.14E-01	1.03E-03	8.43E-08	7.42E-04	1.86E-02	2.08E-03	3.89E-03	3.78E-03	3.36E-01
4394	478363.09	3857877.25	0.03868	0.01718	0.02701	0.02372	0.07523	0.03034	0.0171	0.01718	1.86E-01	7.31E-04	6.48E-08	5.75E-04	1.62E-02	1.96E-03	2.79E-03	2.69E-03	2.05E-01
4395	478863.09	3857877.25	0.03888	0.0175	0.02542	0.02083	0.06191	0.02673	0.0171	0.0175	1.87E-01	7.45E-04	6.10E-08	5.05E-04	1.34E-02	1.73E-03	2.79E-03	2.74E-03	2.03E-01
4396	479363.09	3857877.25	0.16224	0.0329	0.04701	0.04724	0.12125	0.05051	0.0382	0.0329	7.79E-01	1.40E-03	1.13E-07	1.14E-03	2.62E-02	3.27E-03	6.24E-03	5.15E-03	8.12E-01
4397	479863.09	3857877.25	0.19407	0.05605	0.09685	0.06583	0.13445	0.07549	0.0591	0.05605	9.31E-01	2.38E-03	2.32E-07	1.59E-03	2.90E-02	4.88E-03	9.65E-03	8.78E-03	9.70E-01
4398	480363.09	3857877.25	0.20066	0.06316	0.11569	0.07243	0.20417	0.09248	0.06	0.06316	9.63E-01	2.69E-03	2.77E-07	1.75E-03	4.40E-02	5.98E-03	9.79E-03	9.89E-03	1.02E+00
4399	480863.09	3857877.25	0.21267	0.06487	0.1086	0.08388	0.21533	0.10129	0.0644	0.06487	1.02E+00	2.76E-03	2.60E-07	2.03E-03	4.64E-02	6.55E-03	1.05E-02	1.02E-02	1.08E+00
4400	481363.09	3857877.25	0.22457	0.06642	0.12634	0.09152	0.35009	0.12345	0.0637	0.06642	1.08E+00	2.83E-03	3.03E-07	2.22E-03	7.55E-02	7.99E-03	1.04E-02	1.04E-02	1.17E+00
4401	481863.09	3857877.25	0.23039	0.07656	0.15722	0.10779	0.55913	0.14205	0.0653	0.07656	1.11E+00	3.26E-03	3.77E-07	2.61E-03	1.21E-01	9.19E-03	1.07E-02	1.20E-02	1.24E+00
4402	482363.09	3857877.25	0.2319	0.09773	0.18171	0.12798	0.54506	0.18363	0.0763	0.09773	1.11E+00	4.16E-03	4.36E-07	3.10E-03	1.18E-01	1.19E-02	1.24E-02	1.53E-02	1.25E+00
4403	482863.09	3857877.25	0.2378	0.10446	0.24112	0.13608	0.6909	0.20303	0.0739	0.10446	1.14E+00	4.44E-03	5.78E-07	3.30E-03	1.49E-01	1.31E-02	1.21E-02	1.64E-02	1.31E+00
4404	483363.09	3857877.25	0.24798	0.11346	0.27581	0.14903	0.68637	0.23476	0.0809	0.11346	1.19E+00	4.83E-03	6.61E-07	3.61E-03	1.48E-01	1.52E-02	1.32E-02	1.78E-02	1.36E+00
4405	483863.09	3857877.25	0.26478	0.12418	0.25109	0.16441	0.75776	0.26669	0.1019	0.12418	1.27E+00	5.28E-03	6.02E-07	3.98E-03	1.63E-01	1.73E-02	1.66E-02	1.95E-02	1.46E+00
4406	484363.09	3857877.25	0.28102	0.13137	0.179	0.17951	0.80526	0.30696	0.1	0.13137	1.35E+00	5.59E-03	4.29E-07	4.35E-03	1.74E-01	1.99E-02	1.63E-02	2.06E-02	1.55E+00
4407	484863.09	3857877.25	0.30677	0.14436	0.16029	0.1804	0.83085	0.35984	0.1012	0.14436	1.47E+00	6.14E-03	3.84E-07	4.37E-03	1.79E-01	2.33E-02	1.65E-02	2.26E-02	1.68E+00
4408	485363.09	3857877.25	0.39035	0.17838	0.25404	0.17345	1.4002	0.45141	0.1108	0.17838	1.87E+00	7.59E-03	6.09E-07	4.20E-03	3.02E-01	2.92E-02	1.81E-02	2.79E-02	2.21E+00
4409	485863.09	3857877.25	0.64821	0.22592	0.25181	0.18439	1.50355	0.81299	0.1238	0.22592	3.11E+00	9.61E-03	6.04E-07	4.47E-03	3.24E-01	5.26E-02	2.02E-02	3.54E-02	3.49E+00
4410	486363.09	3857877.25	0.66442	0.35676	0.47823	0.21828	1.51725	1.21253	0.1443	0.35676	3.19E+00	1.52E-02	1.15E-06	5.29E-03	3.27E-01	7.85E-02	2.36E-02	5.59E-02	3.58E+00
4411	486863.09	3857877.25	0.68194	1.24583	1.36618	0.2833	1.89666	0.61963	0.1893	1.24583	3.27E+00	5.30E-02	3.28E-06	6.86E-03	4.09E-01	4.01E-02	3.09E-02	1.95E-01	3.62E+00
4412	487363.09	3857877.25	0.69154	0.3772	1.04521	0.44526	2.08481	0.45807	0.3463	0.3772	3.32E+00	1.60E-02	2.51E-06	1.08E-02	4.50E-01	2.96E-02	5.65E-02	5.91E-02	3.82E+00
4413	487863.09	3857877.25	0.72034	0.22353	1.52726	1.09032	2.26463	0.96208	0.7182	0.22353	3.46E+00	9.51E-03	3.66E-06	2.64E-02	4.88E-01	6.22E-02	1.17E-01	3.50E-02	4.13E+00
4414	488363.09	3857877.25	0.4742	0.17585	0.87731	0.82692	3.20777	0.70873	0.2537	0.17585	2.28E+00	7.48E-03	2.10E-06	2.00E-02	6.92E-01	4.59E-02	4.14E-02	2.75E-02	3.05E+00
4415	488863.09	3857877.25	0.35974	0.14905	0.66686	0.46887	2.17366	0.45111	0.1878	0.14905	1.73E+00	6.34E-03	1.60E-06	1.14E-02	4.69E-01	2.92E-02	3.07E-02	2.33E-02	2.25E+00
4416	489363.09	3857877.25	0.32996	0.1296	0.50825	0.38937	1.8867	0.34954	0.1558	0.1296	1.58E+00	5.51E-03	1.22E-06	9.43E-03	4.07E-01	2.26E-02	2.54E-02	2.03E-02	2.03E+00
4417	489863.09	3857877.25	0.32356	0.1113	0.36393	0.44973	1.59771	0.27194	0.1242	0.1113	1.55E+00	4.74E-03	8.73E-07	1.09E-02	3.45E-01	1.76E-02	2.03E-02	1.74E-02	1.93E+00
4418	490363.09	3857877.25	0.27683	0.10305	0.34921	0.48006	1.18384	0.24085	0.1085	0.10305	1.33E+00	4.38E-03	8.38E-07	1.16E-02	2.55E-01	1.56E-02	1.77E-02	1.61E-02	1.62E+00
4419	490863.09	3857877.25	0.24408	0.09476	0.27741	0.56077	1.11186	0.20719	0.094	0.09476	1.17E+00	4.03E-03	6.65E-07	1.36E-02	2.40E-01	1.34E-02	1.53E-02	1.48E-02	1.44E+00
4420	491363.09	3857877.25	0.23161	0.07612	0.22012	1.37868	0.94228	0.15942	0.0796	0.07612	1.11E+00	3.24E-03	5.28E-07	3.34E-02	2.03E-01	1.03E-02	1.30E-02	1.19E-02	1.36E+00
4421	491863.09	3857877.25	0.21963	0.05735	0.18538	0.41084	0.83704	0.11871	0.0652	0.05735	1.05E+00	2.44E-03	4.45E-07	9.95E-03	1.81E-01	7.68E-03	1.06E-02	8.98E-03	1.26E+00
4422	492363.09	3857877.25	0.18889	0.04175	0.0986	0.17622	0.44627	0.07932	0.0546	0.04175	9.06E-01	1.78E-03	2.36E-07	4.27E-03	9.62E-02	5.13E-03	8.91E-03	6.54E-03	1.02E+00
4423	492863.09	3857877.25	0.10638	0.03197	0.06438	0.10946	0.26316	0.05749	0.0326	0.03197	5.11E-01	1.36E-03	1.54E-07	2.65E-03	5.68E-02	3.72E-03	5.32E-03	5.01E-03	5.75E-01
4424	493363.09	3857877.25	0.08084	0.02489	0.058	0.08448	0.21958	0.05497	0.0286	0.02489	3.88E-01	1.06E-03	1.39E-07	2.05E-03	4.74E-02	3.56E-03	4.67E-03	3.90E-03	4.43E-01
4425	493863.09	3857877.25	0.07024	0.02125	0.05989	0.07269	0.18315	0.0519	0.0243	0.02125	3.37E-01	9.04E-04	1.44E-07	1.76E-03	3.95E-02	3.36E-03	3.97E-03	3.33E-03	3.83E-01
4426	494363.09	3857877.25	0.06327	0.02088	0.04869	0.06397	0.14986	0.05158	0.0235	0.02088	3.04E-01	8.88E-04	1.17E-07	1.55E-03	3.23E-02	3.34E-03	3.84E-03	3.27E-03	3.42E-01
4427	494863.09	3857877.25	0.05541	0.01949	0.04787	0.05172	0.12334	0.04616	0.0226	0.01949	2.66E-01	8.29E-04	1.15E-07	1.25E-03	2.66E-02	2.99E-03	3.68E-03	3.05E-03	2.98E-01
4428	495363.09	3857877.25	0.05472	0.01868	0.04907	0.04667	0.1022	0.05574	0.0198	0.01868	2.63E-01	7.95E-04	1.18E-07	1.13E-03	2.20E-02	3.61E-03	3.24E-03	2.93E-03	2.90E-01
4429	495863.09	3857877.25	0.05312	0.0185	0.04381	0.04331	0.09863	0.06503	0.0184	0.0185	2.55E-01	7.87E-04	1.05E-07	1.05E-03	2.13E-02	4.21E-03	3.00E-03	2.90E-03	2.82E-01
4430	496363.09	3857877.25	0.05359	0.01866	0.04302	0.04307	0.09909	0.11312	0.02	0.01866	2.57E-01	7.94E-04	1.03E-07	1.04E-03	2.14E-02	7.32E-03	3.26E-03	2.92E-03	2.88E-01
4431	496863.09	3857877.25	0.05515	0.02239	0.03683	0.04369	0.09643	0.69914	0.0225	0.02239	2.65E-01	9.53E-04	8.83E-08	1.06E-03	2.08E-02	4.52E-02	3.68E-03	3.51E-03	3.33E-01
4432	497363.09	3857877.25	0.05564	0.02419	0.03678	0.04342	0.09376	0.92078	0.0231	0.02419	2.67E-01	1.03E-03	8.82E-08	1.05E-03	2.02E-02	5.96E-02	3.77E-03	3.79E-03	3.49E-01
4433	497863.09	3857877.25	0.06421	0.02736	0.04034	0.05021	0.10598	0.20996	0.026	0.02736	3.08E-01	1.16E-03	9.67E-08	1.22E-03	2.29E-02	1.36E-02	4.25E-03	4.29E-03	3.47E-01
4434	498363.09	3857877.25	0.07417	0.02491	0.04139	0.06058	0.12878	0.1488	0.028	0.02491	3.56E-01	1.06E-03	9.93E-08	1.47E-03	2.78E-02	9.63E-03	4.58E-03	3.90E-03	3.97E-01
4435	471363.09	3858377.25	0.07918	0.03022	0.03689	0.03496	0.06206	0.03903	0.0314	0.03022	3.80E-01	1.29E-03	8.85E-08	8.47E-04	1.34E-02	2.53E-03	5.13E-03	4.73E-03	3.98E-01
4436	471863.09	3858377.25	0.08178	0.02935	0.03591	0.03542	0.06488	0.03892	0.0306	0.02935	3.92E-01	1.25E-03	8.61E-08	8.58E-04	1.40E-02	2.52E-03	4.99E-03	4.60E-03	4.11E-01
4437	472363.09	3858377.25	0.08608	0.02878	0.03277	0.03593	0.06778	0.03886	0.0293	0.02878	4.13E-01	1.22E-03	7.86E-08	8.70E-04	1.46E-02	2.51E-03	4.78E-03	4.51E-03	4.33E-01
4438	472863.09	3858377.25	0.09047	0.02984	0.03342	0.03672	0.07084	0.03973	0.0299	0.02984	4.34E-01	1.27E-03	8.02E-08	8.90E-04	1.53E-02	2.57E-03	4.89E-03	4.67E-03	4.54E-01
4439	473363.09	3858377.25	0.09461	0.032	0.03792	0.03937	0.07408	0.04391	0.0323	0.032	4.54E-01	1.36E-03	9.09E-08	9.54E-04	1.60E-02	2.84E-03	5.28E-03	5.01E-03	4.75E-01
4440	473863.09	3858377.25	0.09951	0.03149	0.0374	0.03839	0.0771	0.04435	0.0309	0.03149	4.78E-01	1.34E-03	8.97E-08	9.30E-04	1.66E-02	2.87E-03	5.05E-03	4.93E-03	4.99E-01
4441	474363.09	3858377.25	0.10378	0.02725	0.03916	0.03798	0.08002	0.03971	0.0279	0.02725	4.98E-01	1.16E-03	9.39E-08	9.20E-04	1.73E-02	2.57E-03	4.55E-03	4.27E-03	5.20E-01
4442	474863.09	3858377.25	0.09814	0.02234	0.03266	0.03727	0.08297	0.0365	0.024	0.02234	4.71E-01	9.51E-04	7.83E-08	9.03E-04	1.79E-02	2.36E-03	3.92E-03	3.50E-03	4.93E-01

4443	475363.09	3858377.25	0.05979	0.02149	0.02965	0.03282	0.05989	0.03155	0.0216	0.02149	2.87E-01	9.14E-04	7.11E-08	7.95E-04	1.29E-02	2.04E-03	3.52E-03	3.37E-03	3.04E-01
4444	475863.09	3858377.25	0.04523	0.01661	0.02446	0.02703	0.04243	0.02953	0.0167	0.01661	2.17E-01	7.07E-04	5.87E-08	6.55E-04	9.15E-03	1.91E-03	2.72E-03	2.60E-03	2.30E-01
4445	476363.09	3858377.25	0.04635	0.01663	0.0305	0.0281	0.04862	0.03016	0.0169	0.01663	2.22E-01	7.08E-04	7.31E-08	6.81E-04	1.05E-02	1.95E-03	2.76E-03	2.61E-03	2.36E-01
4446	476863.09	3858377.25	0.05109	0.01782	0.03238	0.0296	0.05139	0.03082	0.0179	0.01782	2.45E-01	7.58E-04	7.77E-08	7.17E-04	1.11E-02	1.99E-03	2.92E-03	2.79E-03	2.60E-01
4447	477363.09	3858377.25	0.04852	0.01638	0.02819	0.02809	0.04981	0.03151	0.0164	0.01638	2.33E-01	6.97E-04	6.76E-08	6.81E-04	1.07E-02	2.04E-03	2.67E-03	2.57E-03	2.47E-01
4448	477863.09	3858377.25	0.06486	0.02249	0.0318	0.03575	0.06556	0.033	0.0232	0.02249	3.11E-01	9.57E-04	7.63E-08	8.66E-04	1.41E-02	2.14E-03	3.78E-03	3.52E-03	3.30E-01
4449	478363.09	3858377.25	0.07274	0.02419	0.0369	0.03647	0.07254	0.03491	0.0237	0.02419	3.49E-01	1.03E-03	8.85E-08	8.84E-04	1.56E-02	2.26E-03	3.87E-03	3.79E-03	3.69E-01
4450	478863.09	3858377.25	0.04741	0.02019	0.0323	0.02939	0.06093	0.03174	0.0216	0.02019	2.28E-01	8.59E-04	7.75E-08	7.12E-04	1.31E-02	2.05E-03	3.52E-03	3.16E-03	2.45E-01
4451	479363.09	3858377.25	0.13155	0.0302	0.05038	0.05294	0.21019	0.05145	0.0346	0.0302	6.31E-01	1.28E-03	1.21E-07	1.28E-03	4.53E-02	3.33E-03	5.64E-03	4.73E-03	6.83E-01
4452	479863.09	3858377.25	0.15133	0.049	0.06999	0.07013	0.34037	0.0752	0.0539	0.049	7.26E-01	2.08E-03	1.68E-07	1.70E-03	7.34E-02	4.87E-03	8.80E-03	7.68E-03	8.09E-01
4453	480363.09	3858377.25	0.15496	0.05918	0.09264	0.07482	0.3777	0.08921	0.058	0.05918	7.44E-01	2.52E-03	2.22E-07	1.81E-03	8.15E-02	5.77E-03	9.47E-03	9.27E-03	8.35E-01
4454	480863.09	3858377.25	0.17454	0.06036	0.14257	0.08086	0.4387	0.09361	0.0598	0.06036	8.38E-01	2.57E-03	3.42E-07	1.96E-03	9.46E-02	6.06E-03	9.76E-03	9.46E-03	9.43E-01
4455	481363.09	3858377.25	0.18724	0.07339	0.13648	0.08285	0.46559	0.10521	0.0704	0.07339	8.99E-01	3.12E-03	3.27E-07	2.01E-03	1.00E-01	6.81E-03	1.15E-02	1.15E-02	1.01E+00
4456	481863.09	3858377.25	0.20494	0.08029	0.15145	0.09018	0.47623	0.10957	0.0716	0.08029	9.83E-01	3.42E-03	3.63E-07	2.18E-03	1.03E-01	7.09E-03	1.17E-02	1.26E-02	1.10E+00
4457	482363.09	3858377.25	0.21372	0.08757	0.17346	0.09913	0.51096	0.12008	0.0767	0.08757	1.03E+00	3.73E-03	4.16E-07	2.40E-03	1.10E-01	7.77E-03	1.25E-02	1.37E-02	1.15E+00
4458	482863.09	3858377.25	0.21729	0.0957	0.16791	0.10678	0.60307	0.15316	0.0876	0.0957	1.04E+00	4.07E-03	4.03E-07	2.59E-03	1.30E-01	9.91E-03	1.43E-02	1.50E-02	1.19E+00
4459	483363.09	3858377.25	0.20977	0.10437	0.24429	0.11107	0.63865	0.18378	0.0832	0.10437	1.01E+00	4.44E-03	5.86E-07	2.69E-03	1.38E-01	1.19E-02	1.36E-02	1.63E-02	1.16E+00
4460	483863.09	3858377.25	0.22845	0.10601	0.20533	0.11908	0.62421	0.21513	0.0901	0.10601	1.10E+00	4.51E-03	4.92E-07	2.88E-03	1.35E-01	1.39E-02	1.47E-02	1.66E-02	1.25E+00
4461	484363.09	3858377.25	0.24222	0.116	0.25615	0.14285	0.6296	0.26025	0.0943	0.116	1.16E+00	4.94E-03	6.14E-07	3.46E-03	1.36E-01	1.68E-02	1.54E-02	1.82E-02	1.32E+00
4462	484863.09	3858377.25	0.27085	0.13029	0.26853	0.16154	0.782	0.32218	0.1013	0.13029	1.30E+00	5.54E-03	6.44E-07	3.91E-03	1.69E-01	2.08E-02	1.65E-02	2.04E-02	1.49E+00
4463	485363.09	3858377.25	0.33575	0.14065	0.35096	0.17863	0.81696	0.39809	0.1098	0.14065	1.61E+00	5.98E-03	8.42E-07	4.33E-03	1.76E-01	2.58E-02	1.79E-02	2.20E-02	1.82E+00
4464	485863.09	3858377.25	0.40245	0.16897	0.39741	0.19793	0.95312	0.63612	0.1197	0.16897	1.93E+00	7.19E-03	9.53E-07	4.80E-03	2.06E-01	4.12E-02	1.95E-02	2.65E-02	2.18E+00
4465	486363.09	3858377.25	0.63989	0.20162	0.57	0.21984	1.33699	1.68244	0.1377	0.20162	3.07E+00	8.58E-03	1.37E-06	5.33E-03	2.88E-01	1.09E-01	2.25E-02	3.16E-02	3.47E+00
4466	486863.09	3858377.25	0.6603	0.27049	0.4954	0.24586	1.02277	1.56856	0.155	0.27049	3.17E+00	1.15E-02	1.19E-06	5.96E-03	2.21E-01	1.01E-01	2.53E-02	4.24E-02	3.49E+00
4467	487363.09	3858377.25	0.64154	0.42325	0.59727	0.31527	1.05278	1.14099	0.2049	0.42325	3.08E+00	1.80E-02	1.43E-06	7.64E-03	2.27E-01	7.38E-02	3.35E-02	6.63E-02	3.37E+00
4468	487863.09	3858377.25	0.70909	1.70869	0.79352	0.46376	1.02835	0.82048	0.3503	1.70869	3.40E+00	7.27E-02	1.90E-06	1.12E-02	2.22E-01	5.31E-02	5.72E-02	2.68E-01	3.55E+00
4469	488363.09	3858377.25	0.68171	0.38489	0.64423	0.98046	1.55344	0.59064	0.8884	0.38489	3.27E+00	1.64E-02	1.55E-06	2.38E-02	3.35E-01	3.82E-02	1.45E-01	6.03E-02	3.77E+00
4470	488863.09	3858377.25	0.50028	0.24388	0.6196	1.05719	1.36921	0.7482	0.2731	0.24388	2.40E+00	1.04E-02	1.49E-06	2.56E-02	2.95E-01	4.84E-02	4.46E-02	3.82E-02	2.79E+00
4471	489363.09	3858377.25	0.36694	0.18671	0.4673	2.84928	1.51854	0.42197	0.1843	0.18671	1.76E+00	7.94E-03	1.12E-06	6.90E-02	3.28E-01	2.73E-02	3.01E-02	2.92E-02	2.19E+00
4472	489863.09	3858377.25	0.29747	0.14377	0.29075	2.30368	0.94432	0.32974	0.1575	0.14377	1.43E+00	6.12E-03	6.97E-07	5.58E-02	2.04E-01	2.13E-02	2.57E-02	2.25E-02	1.72E+00
4473	490363.09	3858377.25	0.25671	0.12613	0.24291	2.06759	1.03697	0.27554	0.1357	0.12613	1.23E+00	5.37E-03	5.83E-07	5.01E-02	2.24E-01	1.78E-02	2.22E-02	1.98E-02	1.53E+00
4474	490863.09	3858377.25	0.24192	0.11076	0.27554	1.46342	1.06497	0.24285	0.1125	0.11076	1.16E+00	4.71E-03	6.61E-07	3.55E-02	2.30E-01	1.57E-02	1.84E-02	1.74E-02	1.45E+00
4475	491363.09	3858377.25	0.24268	0.08621	0.25841	0.69447	0.89249	0.16726	0.0886	0.08621	1.16E+00	3.67E-03	6.20E-07	1.68E-02	1.92E-01	1.08E-02	1.45E-02	1.35E-02	1.39E+00
4476	491863.09	3858377.25	0.24425	0.05267	0.11435	0.20982	0.75629	0.10509	0.0749	0.05267	1.17E+00	2.24E-03	2.74E-07	5.08E-03	1.63E-01	6.80E-03	1.22E-02	8.25E-03	1.35E+00
4477	492363.09	3858377.25	0.15888	0.0407	0.10238	0.10966	0.27217	0.07754	0.047	0.0407	7.62E-01	1.73E-03	2.46E-07	2.66E-03	5.87E-02	5.02E-03	7.68E-03	6.38E-03	8.32E-01
4478	492863.09	3858377.25	0.16847	0.04221	0.09841	0.11158	0.34211	0.08069	0.055	0.04221	8.08E-01	1.80E-03	2.36E-07	2.70E-03	7.38E-02	5.22E-03	8.97E-03	6.61E-03	8.94E-01
4479	493363.09	3858377.25	0.13051	0.03793	0.084	0.08693	0.28361	0.06783	0.0431	0.03793	6.26E-01	1.61E-03	2.01E-07	2.11E-03	6.12E-02	4.39E-03	7.03E-03	5.94E-03	6.97E-01
4480	493863.09	3858377.25	0.12139	0.03119	0.06685	0.07604	0.21907	0.06792	0.0362	0.03119	5.83E-01	1.33E-03	1.60E-07	1.84E-03	4.72E-02	4.39E-03	5.90E-03	4.89E-03	6.38E-01
4481	494363.09	3858377.25	0.09592	0.02661	0.05687	0.06657	0.18031	0.07682	0.0289	0.02661	4.60E-01	1.13E-03	1.36E-07	1.61E-03	3.89E-02	4.97E-03	4.71E-03	4.17E-03	5.07E-01
4482	494863.09	3858377.25	0.07981	0.02324	0.04922	0.06088	0.17625	0.09585	0.0251	0.02324	3.83E-01	9.89E-04	1.18E-07	1.47E-03	3.80E-02	6.20E-03	4.10E-03	3.64E-03	4.30E-01
4483	495363.09	3858377.25	0.06753	0.02051	0.04394	0.05576	0.16438	0.12224	0.0236	0.02051	3.24E-01	8.73E-04	1.05E-07	1.35E-03	3.55E-02	7.91E-03	3.86E-03	3.21E-03	3.70E-01
4484	495863.09	3858377.25	0.06577	0.02098	0.04338	0.05261	0.15213	0.19142	0.0239	0.02098	3.16E-01	8.93E-04	1.04E-07	1.27E-03	3.28E-02	1.24E-02	3.90E-03	3.29E-03	3.64E-01
4485	496363.09	3858377.25	0.06395	0.02128	0.04333	0.05012	0.15207	0.72799	0.0224	0.02128	3.07E-01	9.05E-04	1.04E-07	1.21E-03	3.28E-02	4.71E-02	3.66E-03	3.33E-03	3.89E-01
4486	496863.09	3858377.25	0.07299	0.02278	0.04415	0.0541	0.14656	0.27512	0.0258	0.02278	3.50E-01	9.69E-04	1.06E-07	1.31E-03	3.16E-02	1.78E-02	4.20E-03	3.57E-03	4.03E-01
4487	497363.09	3858377.25	0.07485	0.02469	0.04194	0.05292	0.13813	0.16437	0.0259	0.02469	3.59E-01	1.05E-03	1.01E-07	1.28E-03	2.98E-02	1.06E-02	4.23E-03	3.87E-03	4.02E-01
4488	497863.09	3858377.25	0.0838	0.02918	0.04705	0.06213	0.1689	0.13891	0.0303	0.02918	4.02E-01	1.24E-03	1.13E-07	1.51E-03	3.64E-02	8.99E-03	4.94E-03	4.57E-03	4.51E-01
4489	498363.09	3858377.25	0.09404	0.03304	0.05331	0.0694	0.22682	0.14204	0.034	0.03304	4.51E-01	1.41E-03	1.28E-07	1.68E-03	4.89E-02	9.19E-03	5.55E-03	5.18E-03	5.13E-01
4490	471363.09	3858877.25	0.07967	0.02976	0.03177	0.03667	0.07247	0.04014	0.0306	0.02976	3.82E-01	1.27E-03	7.62E-08	8.88E-04	1.56E-02	2.60E-03	4.99E-03	4.66E-03	4.03E-01
4491	471863.09	3858877.25	0.08355	0.02912	0.03346	0.03689	0.07397	0.04046	0.0303	0.02912	4.01E-01	1.24E-03	8.02E-08	8.94E-04	1.60E-02	2.62E-03	4.94E-03	4.56E-03	4.22E-01
4492	472363.09	3858877.25	0.08831	0.03036	0.03664	0.03795	0.07539	0.04218	0.0306	0.03036	4.24E-01	1.29E-03	8.79E-08	9.19E-04	1.63E-02	2.73E-03	5.00E-03	4.76E-03	4.45E-01
4493	472863.09	3858877.25	0.09302	0.03084	0.03752	0.03856	0.07655	0.04366	0.0311	0.03084	4.46E-01	1.31E-03	9.00E-08	9.34E-04	1.65E-02	2.82E-03	5.08E-03	4.83E-03	4.68E-01
4494	473363.09	3858877.25	0.09799	0.03222	0.0366	0.03781	0.09512	0.043	0.0325	0.03222	4.70E-01	1.37E-03	8.78E-08	9.16E-04	2.05E-02	2.78E-03	5.31E-03	5.05E-03	4.96E-01
4495	473863.09	3858877.25	0.10438	0.03177	0.03682	0.0404	0.11872	0.04309	0.0321	0.03177	5.01E-01	1.35E-03	8.83E-08	9.79E-04	2.56E-02	2.79E-03	5.24E-03	4.98E-03	5.32E-01
4496	474363.09	3858877.25	0.10422	0.02925	0.03794	0.04125	0.12709	0.04354	0.0308	0.02925	5.00E-01	1.24E-03	9.10E-08	9.99E-04	2.74E-02	2.82E-03	5.03E-03	4.58E-03	5.33E-01
4497	474863.09	3858877.25	0.05956	0.0187	0.02873	0.03141	0.06643	0.03079	0.0199	0.0187	2.86E-01	7.96E-04	6.89E-08	7.61E-04	1.43E-02	1.99E-03	3.24E-03	2.93E-03	3.04E-01
4498	475363.09	3858877.25	0.04799	0.01782	0.02899	0.02507	0.04675	0.02639	0.018	0.01782	2.30E-01	7.58E-04	6.95E-08	6.07E-04	1.01E-02	1.71E-03	2.93E-03	2.79E-03	2.44E-01
4499	475863.09	3858877.25	0.05237	0.01905	0.03014	0.02597	0.05457	0.02703	0.0192	0.01905	2.51E-01	8.11E-04	7.23E-08	6.29E-04	1.18E-02	1.75E-03	3.13E-03	2.98E-03	2.66E-01

4500	476363.09	3858877.25	0.03636	0.01277	0.02857	0.02433	0.05112	0.02631	0.0121	0.01277	1.74E-01	5.43E-04	6.85E-08	5.89E-04	1.10E-02	1.70E-03	1.97E-03	2.00E-03	1.88E-01
4501	476863.09	3858877.25	0.03965	0.01401	0.02956	0.02591	0.05209	0.0272	0.0141	0.01401	1.90E-01	5.96E-04	7.09E-08	6.28E-04	1.12E-02	1.76E-03	2.30E-03	2.19E-03	2.05E-01
4502	477363.09	3858877.25	0.04638	0.01431	0.02891	0.02622	0.05279	0.02782	0.0143	0.01431	2.23E-01	6.09E-04	6.93E-08	6.35E-04	1.14E-02	1.80E-03	2.33E-03	2.24E-03	2.37E-01
4503	477863.09	3858877.25	0.05287	0.01583	0.02743	0.02703	0.0772	0.02953	0.0158	0.01583	2.54E-01	6.74E-04	6.58E-08	6.55E-04	1.67E-02	1.91E-03	2.58E-03	2.48E-03	2.74E-01
4504	478363.09	3858877.25	0.0902	0.02223	0.0441	0.03996	0.17342	0.04419	0.0256	0.02223	4.33E-01	9.46E-04	1.06E-07	9.68E-04	3.74E-02	2.86E-03	4.17E-03	3.48E-03	4.76E-01
4505	478863.09	3858877.25	0.0856	0.02382	0.04301	0.03908	0.13308	0.04441	0.0239	0.02382	4.11E-01	1.01E-03	1.03E-07	9.47E-04	2.87E-02	2.87E-03	3.91E-03	3.73E-03	4.44E-01
4506	479363.09	3858877.25	0.06861	0.02272	0.03787	0.03587	0.11315	0.03349	0.0228	0.02272	3.29E-01	9.67E-04	9.08E-08	8.69E-04	2.44E-02	2.17E-03	3.73E-03	3.56E-03	3.58E-01
4507	479863.09	3858877.25	0.12636	0.04526	0.07503	0.06971	0.33526	0.08272	0.0451	0.04526	6.06E-01	1.93E-03	1.80E-07	1.69E-03	7.23E-02	5.35E-03	7.36E-03	7.09E-03	6.88E-01
4508	480363.09	3858877.25	0.139	0.05136	0.08598	0.07667	0.3671	0.09148	0.0492	0.05136	6.67E-01	2.19E-03	2.06E-07	1.86E-03	7.92E-02	5.92E-03	8.04E-03	8.05E-03	7.56E-01
4509	480863.09	3858877.25	0.14848	0.05357	0.16435	0.08353	0.4285	0.105	0.0512	0.05357	7.13E-01	2.28E-03	3.94E-07	2.02E-03	9.24E-02	6.79E-03	8.36E-03	8.39E-03	8.16E-01
4510	481363.09	3858877.25	0.15338	0.05916	0.15973	0.08911	0.48929	0.1249	0.0534	0.05916	7.36E-01	2.52E-03	3.83E-07	2.16E-03	1.06E-01	8.08E-03	8.72E-03	9.27E-03	8.54E-01
4511	481863.09	3858877.25	0.16582	0.06593	0.17295	0.09826	0.51186	0.13482	0.0609	0.06593	7.96E-01	2.81E-03	4.15E-07	2.38E-03	1.10E-01	8.72E-03	9.94E-03	1.03E-02	9.20E-01
4512	482363.09	3858877.25	0.17432	0.07623	0.13448	0.11136	0.49093	0.13952	0.0654	0.07623	8.37E-01	3.24E-03	3.23E-07	2.70E-03	1.06E-01	9.03E-03	1.07E-02	1.19E-02	9.56E-01
4513	482863.09	3858877.25	0.18467	0.07631	0.23806	0.12458	0.43296	0.15449	0.0705	0.07631	8.86E-01	3.25E-03	5.71E-07	3.02E-03	9.34E-02	1.00E-02	1.15E-02	1.20E-02	9.95E-01
4514	483363.09	3858877.25	0.16575	0.09216	0.16467	0.13032	0.45285	0.21838	0.0822	0.09216	7.95E-01	3.92E-03	3.95E-07	3.16E-03	9.77E-02	1.41E-02	1.34E-02	1.44E-02	9.13E-01
4515	483863.09	3858877.25	0.17945	0.10814	0.16843	0.1424	0.49504	0.22437	0.0922	0.10814	8.61E-01	4.60E-03	4.04E-07	3.45E-03	1.07E-01	1.45E-02	1.51E-02	1.69E-02	9.89E-01
4516	484363.09	3858877.25	0.19039	0.12732	0.20719	0.15661	0.53806	0.25501	0.1001	0.12732	9.14E-01	5.42E-03	4.97E-07	3.79E-03	1.16E-01	1.65E-02	1.63E-02	1.99E-02	1.05E+00
4517	484863.09	3858877.25	0.22146	0.1208	0.17123	0.1726	0.67265	0.31869	0.1059	0.1208	1.06E+00	5.14E-03	4.11E-07	4.18E-03	1.45E-01	2.06E-02	1.73E-02	1.89E-02	1.24E+00
4518	485363.09	3858877.25	0.27822	0.11792	0.26192	0.18954	0.68196	0.39622	0.1012	0.11792	1.34E+00	5.02E-03	6.28E-07	4.59E-03	1.47E-01	2.56E-02	1.65E-02	1.85E-02	1.52E+00
4519	485863.09	3858877.25	0.35524	0.13105	0.25839	0.22191	0.91132	0.45854	0.1035	0.13105	1.70E+00	5.58E-03	6.20E-07	5.38E-03	1.97E-01	2.97E-02	1.69E-02	2.05E-02	1.94E+00
4520	486363.09	3858877.25	0.50646	0.15025	0.29507	0.23726	0.67594	0.68478	0.1147	0.15025	2.43E+00	6.39E-03	7.08E-07	5.75E-03	1.46E-01	4.43E-02	1.87E-02	2.35E-02	2.63E+00
4521	486863.09	3858877.25	0.61648	0.17485	0.63637	0.28858	0.80637	0.54937	0.1355	0.17485	2.96E+00	7.44E-03	1.53E-06	6.99E-03	1.74E-01	3.55E-02	2.21E-02	2.74E-02	3.18E+00
4522	487363.09	3858877.25	0.6399	0.22607	0.34457	0.38334	0.8365	0.67211	0.1673	0.22607	3.07E+00	9.62E-03	8.26E-07	9.29E-03	1.80E-01	4.35E-02	2.73E-02	3.54E-02	3.31E+00
4523	487863.09	3858877.25	0.68661	0.29423	0.53386	0.51728	0.78632	1.4717	0.217	0.29423	3.29E+00	1.25E-02	1.28E-06	1.25E-02	1.70E-01	9.52E-02	3.54E-02	4.61E-02	3.57E+00
4524	488363.09	3858877.25	0.66475	0.49171	0.57335	0.66844	0.6264	0.63442	0.3639	0.49171	3.19E+00	2.09E-02	1.38E-06	1.62E-02	1.35E-01	4.10E-02	5.94E-02	7.70E-02	3.39E+00
4525	488863.09	3858877.25	0.60849	0.92583	0.49904	1.19055	1.03447	0.54535	1.6391	0.92583	2.92E+00	3.94E-02	1.20E-06	2.88E-02	2.23E-01	3.53E-02	2.68E-01	1.45E-01	3.37E+00
4526	489363.09	3858877.25	0.41793	0.35424	0.38585	1.61133	0.92397	0.77166	0.3365	0.35424	2.01E+00	1.51E-02	9.25E-07	3.90E-02	1.99E-01	4.99E-02	5.49E-02	5.55E-02	2.31E+00
4527	489863.09	3858877.25	0.32846	0.23654	0.40231	0.6688	0.85162	0.44538	0.2135	0.23654	1.58E+00	1.01E-02	9.65E-07	1.62E-02	1.84E-01	2.88E-02	3.48E-02	3.71E-02	1.81E+00
4528	490363.09	3858877.25	0.26762	0.16926	0.41053	0.48627	0.95438	0.33137	0.1579	0.16926	1.28E+00	7.20E-03	9.85E-07	1.18E-02	2.06E-01	2.14E-02	2.58E-02	2.65E-02	1.53E+00
4529	490863.09	3858877.25	0.252	0.10775	0.35631	0.31968	0.60244	0.2022	0.1091	0.10775	1.21E+00	4.58E-03	8.55E-07	7.74E-03	1.30E-01	1.31E-02	1.78E-02	1.69E-02	1.37E+00
4530	491363.09	3858877.25	0.25471	0.06775	0.27305	0.22869	0.4765	0.12724	0.0887	0.06775	1.22E+00	2.88E-03	6.55E-07	5.54E-03	1.03E-01	8.23E-03	1.45E-02	1.06E-02	1.35E+00
4531	491863.09	3858877.25	0.22314	0.05978	0.15393	0.11544	0.39221	0.09553	0.0763	0.05978	1.07E+00	2.54E-03	3.69E-07	2.80E-03	8.46E-02	6.18E-03	1.24E-02	9.36E-03	1.17E+00
4532	492363.09	3858877.25	0.22158	0.05708	0.1502	0.13156	0.43564	0.0987	0.0657	0.05708	1.06E+00	2.43E-03	3.60E-07	3.19E-03	9.40E-02	6.39E-03	1.07E-02	8.94E-03	1.17E+00
4533	492863.09	3858877.25	0.20131	0.05306	0.19263	0.17678	0.68309	0.11074	0.0688	0.05306	9.66E-01	2.26E-03	4.62E-07	4.28E-03	1.47E-01	7.17E-03	1.12E-02	8.31E-03	1.13E+00
4534	493363.09	3858877.25	0.1823	0.05581	0.14717	0.15215	0.44693	0.10637	0.0629	0.05581	8.75E-01	2.37E-03	3.53E-07	3.69E-03	9.64E-02	6.88E-03	1.03E-02	8.74E-03	9.86E-01
4535	493863.09	3858877.25	0.15627	0.04523	0.10716	0.11378	0.35658	0.11094	0.0567	0.04523	7.50E-01	1.92E-03	2.57E-07	2.76E-03	7.69E-02	7.18E-03	9.25E-03	7.09E-03	8.41E-01
4536	494363.09	3858877.25	0.13248	0.04209	0.08293	0.10291	0.29243	0.14802	0.0491	0.04209	6.36E-01	1.79E-03	1.99E-07	2.49E-03	6.31E-02	9.58E-03	8.01E-03	6.59E-03	7.14E-01
4537	494863.09	3858877.25	0.12367	0.03287	0.07208	0.08419	0.24947	0.1858	0.0378	0.03287	5.93E-01	1.40E-03	1.73E-07	2.04E-03	5.38E-02	1.20E-02	6.17E-03	5.15E-03	6.64E-01
4538	495363.09	3858877.25	0.11694	0.02912	0.06073	0.06722	0.2303	0.21343	0.0298	0.02912	5.61E-01	1.24E-03	1.46E-07	1.63E-03	4.97E-02	1.38E-02	4.87E-03	4.56E-03	6.28E-01
4539	495863.09	3858877.25	0.10972	0.02385	0.05724	0.05852	0.20293	0.79417	0.0274	0.02385	5.27E-01	1.01E-03	1.37E-07	1.42E-03	4.38E-02	5.14E-02	4.47E-03	3.74E-03	6.25E-01
4540	496363.09	3858877.25	0.10319	0.02433	0.05534	0.05906	0.18036	0.36853	0.0269	0.02433	4.95E-01	1.04E-03	1.33E-07	1.43E-03	3.89E-02	2.38E-02	4.39E-03	3.81E-03	5.61E-01
4541	496863.09	3858877.25	0.09663	0.02432	0.05477	0.05965	0.16997	0.27801	0.0269	0.02432	4.64E-01	1.03E-03	1.31E-07	1.45E-03	3.67E-02	1.80E-02	4.39E-03	3.81E-03	5.21E-01
4542	497363.09	3858877.25	0.09323	0.02455	0.05342	0.0588	0.17891	0.18445	0.0281	0.02455	4.47E-01	1.04E-03	1.28E-07	1.42E-03	3.86E-02	1.19E-02	4.59E-03	3.85E-03	5.01E-01
4543	497863.09	3858877.25	0.10056	0.03073	0.05789	0.06757	0.21912	0.14993	0.0367	0.03073	4.83E-01	1.31E-03	1.39E-07	1.64E-03	4.73E-02	9.70E-03	5.99E-03	4.81E-03	5.44E-01
4544	498363.09	3858877.25	0.10261	0.03409	0.06691	0.07804	0.26073	0.13915	0.0393	0.03409	4.92E-01	1.45E-03	1.60E-07	1.89E-03	5.62E-02	9.00E-03	6.42E-03	5.34E-03	5.62E-01
4545	471363.09	3859377.25	0.08543	0.02946	0.03135	0.03644	0.10925	0.04084	0.0297	0.02946	4.10E-01	1.25E-03	7.52E-08	8.83E-04	2.36E-02	2.64E-03	4.85E-03	4.61E-03	4.39E-01
4546	471863.09	3859377.25	0.08928	0.0296	0.03245	0.03703	0.10968	0.04108	0.0299	0.0296	4.28E-01	1.26E-03	7.78E-08	8.97E-04	2.37E-02	2.66E-03	4.87E-03	4.64E-03	4.57E-01
4547	472363.09	3859377.25	0.09291	0.0302	0.03272	0.03791	0.11613	0.04094	0.0305	0.0302	4.46E-01	1.28E-03	7.85E-08	9.18E-04	2.50E-02	2.65E-03	4.98E-03	4.73E-03	4.76E-01
4548	472863.09	3859377.25	0.09303	0.03058	0.03519	0.03949	0.12183	0.04259	0.0309	0.03058	4.46E-01	1.30E-03	8.44E-08	9.57E-04	2.63E-02	2.76E-03	5.04E-03	4.79E-03	4.78E-01
4549	473363.09	3859377.25	0.10005	0.03098	0.04203	0.04141	0.1245	0.04644	0.0312	0.03098	4.80E-01	1.32E-03	1.01E-07	1.00E-03	2.69E-02	3.00E-03	5.10E-03	4.85E-03	5.13E-01
4550	473863.09	3859377.25	0.10048	0.03146	0.04626	0.04293	0.12927	0.04772	0.0319	0.03146	4.82E-01	1.34E-03	1.11E-07	1.04E-03	2.79E-02	3.09E-03	5.21E-03	4.93E-03	5.16E-01
4551	474363.09	3859377.25	0.09856	0.03009	0.03463	0.04276	0.1435	0.04598	0.0318	0.03009	4.73E-01	1.28E-03	8.31E-08	1.04E-03	3.09E-02	2.98E-03	5.19E-03	4.71E-03	5.10E-01
4552	474863.09	3859377.25	0.08455	0.02213	0.03572	0.03539	0.13631	0.03841	0.0232	0.02213	4.06E-01	9.42E-04	8.57E-08	8.57E-04	2.94E-02	2.49E-03	3.79E-03	3.47E-03	4.40E-01
4553	475363.09	3859377.25	0.05714	0.02037	0.0346	0.03406	0.09116	0.02939	0.0205	0.02037	2.74E-01	8.67E-04	8.30E-08	8.25E-04	1.97E-02	1.90E-03	3.35E-03	3.19E-03	2.98E-01
4554	475863.09	3859377.25	0.04809	0.01636	0.02875	0.02309	0.05187	0.02654	0.0165	0.01636	2.31E-01	6.96E-04	6.90E-08	5.59E-04	1.12E-02	1.72E-03	2.69E-03	2.56E-03	2.45E-01
4555	476363.09	3859377.25	0.03907	0.01351	0.0247	0.02222	0.04418	0.02566	0.0136	0.01351	1.87E-01	5.75E-04	5.92E-08	5.38E-04	9.53E-03	1.66E-03	2.22E-03	2.12E-03	2.00E-01
4556	476863.09	3859377.25	0.03306	0.01187	0.02233	0.02095	0.03616	0.02292	0.0117	0.01187	1.59E-01	5.05E-04	5.36E-08	5.08E-04	7.80E-03	1.48E-03	1.91E-03	1.86E-03	1.69E-01

4557	477363.09	3859377.25	0.03397	0.01247	0.0219	0.02159	0.04817	0.02436	0.0121	0.01247	1.63E-01	5.31E-04	5.25E-08	5.23E-04	1.04E-02	1.58E-03	1.98E-03	1.95E-03	1.76E-01
4558	477863.09	3859377.25	0.05948	0.01788	0.02674	0.02723	0.09801	0.02845	0.018	0.01788	2.85E-01	7.61E-04	6.41E-08	6.60E-04	2.11E-02	1.84E-03	2.94E-03	2.80E-03	3.10E-01
4559	478363.09	3859377.25	0.08458	0.01961	0.03514	0.04176	0.15453	0.03946	0.0235	0.01961	4.06E-01	8.34E-04	8.43E-08	1.01E-03	3.33E-02	2.55E-03	3.84E-03	3.07E-03	4.44E-01
4560	478863.09	3859377.25	0.10458	0.02464	0.0417	0.05664	0.26572	0.0466	0.0328	0.02464	5.02E-01	1.05E-03	1.00E-07	1.37E-03	5.73E-02	3.02E-03	5.35E-03	3.86E-03	5.66E-01
4561	479363.09	3859377.25	0.11805	0.03268	0.05847	0.07124	0.31537	0.06204	0.0343	0.03268	5.67E-01	1.39E-03	1.40E-07	1.73E-03	6.80E-02	4.01E-03	5.60E-03	5.12E-03	6.42E-01
4562	479863.09	3859377.25	0.12494	0.04167	0.0519	0.08078	0.32278	0.08234	0.0419	0.04167	6.00E-01	1.77E-03	1.24E-07	1.96E-03	6.96E-02	5.33E-03	6.84E-03	6.53E-03	6.79E-01
4563	480363.09	3859377.25	0.12689	0.04825	0.14017	0.08575	0.30402	0.10243	0.0454	0.04825	6.09E-01	2.05E-03	3.36E-07	2.08E-03	6.56E-02	6.63E-03	7.41E-03	7.56E-03	6.85E-01
4564	480863.09	3859377.25	0.1324	0.04952	0.14591	0.09266	0.31412	0.12325	0.0485	0.04952	6.35E-01	2.11E-03	3.50E-07	2.24E-03	6.77E-02	7.97E-03	7.91E-03	7.76E-03	7.16E-01
4565	481363.09	3859377.25	0.14092	0.05117	0.11848	0.10229	0.26747	0.14179	0.0503	0.05117	6.76E-01	2.18E-03	2.84E-07	2.48E-03	5.77E-02	9.17E-03	8.20E-03	8.02E-03	7.48E-01
4566	481863.09	3859377.25	0.14658	0.05949	0.0983	0.10867	0.35342	0.14412	0.0558	0.05949	7.03E-01	2.53E-03	2.36E-07	2.63E-03	7.62E-02	9.32E-03	9.11E-03	9.32E-03	7.94E-01
4567	482363.09	3859377.25	0.15695	0.06101	0.15166	0.11611	0.30403	0.14572	0.0577	0.06101	7.53E-01	2.60E-03	3.64E-07	2.81E-03	6.56E-02	9.43E-03	9.42E-03	9.56E-03	8.33E-01
4568	482863.09	3859377.25	0.16076	0.05944	0.20322	0.12783	0.42302	0.14936	0.0537	0.05944	7.71E-01	2.53E-03	4.87E-07	3.10E-03	9.12E-02	9.66E-03	8.77E-03	9.31E-03	8.77E-01
4569	483363.09	3859377.25	0.16507	0.07359	0.14081	0.13785	0.42404	0.18055	0.0664	0.07359	7.92E-01	3.13E-03	3.38E-07	3.34E-03	9.15E-02	1.17E-02	1.08E-02	1.15E-02	9.01E-01
4570	483863.09	3859377.25	0.17196	0.0867	0.13229	0.14441	0.49816	0.21005	0.0813	0.0867	8.25E-01	3.69E-03	3.17E-07	3.50E-03	1.07E-01	1.36E-02	1.33E-02	1.36E-02	9.53E-01
4571	484363.09	3859377.25	0.18868	0.09318	0.19925	0.16218	0.4636	0.21102	0.0847	0.09318	9.05E-01	3.96E-03	4.78E-07	3.93E-03	1.00E-01	1.37E-02	1.38E-02	1.46E-02	1.03E+00
4572	484863.09	3859377.25	0.20722	0.1002	0.15119	0.1808	0.61972	0.22763	0.0794	0.1002	9.94E-01	4.26E-03	3.63E-07	4.38E-03	1.34E-01	1.47E-02	1.30E-02	1.57E-02	1.15E+00
4573	485363.09	3859377.25	0.24019	0.10938	0.15831	0.18529	0.61591	0.27646	0.1017	0.10938	1.15E+00	4.65E-03	3.80E-07	4.49E-03	1.33E-01	1.79E-02	1.66E-02	1.71E-02	1.31E+00
4574	485863.09	3859377.25	0.28828	0.12186	0.19035	0.20164	0.47988	0.34781	0.1186	0.12186	1.38E+00	5.18E-03	4.57E-07	4.89E-03	1.03E-01	2.25E-02	1.94E-02	1.91E-02	1.52E+00
4575	486363.09	3859377.25	0.35013	0.1377	0.27157	0.22939	0.59109	0.52588	0.134	0.1377	1.68E+00	5.86E-03	6.51E-07	5.56E-03	1.27E-01	3.40E-02	2.19E-02	2.16E-02	1.85E+00
4576	486863.09	3859377.25	0.63008	0.13808	0.25851	0.22996	0.61381	1.33093	0.1234	0.13808	3.02E+00	5.88E-03	6.20E-07	5.57E-03	1.32E-01	8.61E-02	2.01E-02	2.16E-02	3.25E+00
4577	487363.09	3859377.25	0.56351	0.14716	0.17649	0.29509	0.53885	0.66229	0.1303	0.14716	2.70E+00	6.26E-03	4.23E-07	7.15E-03	1.16E-01	4.29E-02	2.13E-02	2.31E-02	2.87E+00
4578	487863.09	3859377.25	0.64981	0.17462	0.21946	0.3551	0.57841	0.51842	0.1551	0.17462	3.12E+00	7.43E-03	5.26E-07	8.60E-03	1.25E-01	3.35E-02	2.53E-02	2.74E-02	3.29E+00
4579	488363.09	3859377.25	0.62325	0.23079	0.27628	0.43711	0.2887	1.36566	0.2077	0.23079	2.99E+00	9.82E-03	6.63E-07	1.06E-02	6.23E-02	8.84E-02	3.39E-02	3.62E-02	3.16E+00
4580	488863.09	3859377.25	0.52769	0.31074	0.33354	0.62243	0.64111	0.465	0.3063	0.31074	2.53E+00	1.32E-02	8.00E-07	1.51E-02	1.38E-01	3.01E-02	5.00E-02	4.87E-02	2.73E+00
4581	489363.09	3859377.25	0.36591	0.62152	0.91665	0.89518	0.78263	0.47055	0.6251	0.62152	1.76E+00	2.64E-02	2.20E-06	2.17E-02	1.69E-01	3.04E-02	1.02E-01	9.74E-02	2.01E+00
4582	489863.09	3859377.25	0.49059	0.69434	9.08962	3.01602	0.6574	2.02725	0.67	0.69434	2.35E+00	2.95E-02	2.18E-05	7.31E-02	1.42E-01	1.31E-01	1.09E-01	1.09E-01	2.73E+00
4583	490363.09	3859377.25	0.32022	0.29994	1.83032	0.7634	0.61566	0.50761	0.2862	0.29994	1.54E+00	1.28E-02	4.39E-06	1.85E-02	1.33E-01	3.28E-02	4.67E-02	4.70E-02	1.73E+00
4584	490863.09	3859377.25	0.28539	0.16002	0.75491	0.35111	0.67843	0.28646	0.1453	0.16002	1.37E+00	6.81E-03	1.81E-06	8.51E-03	1.46E-01	1.85E-02	2.37E-02	2.51E-02	1.55E+00
4585	491363.09	3859377.25	0.28391	0.07018	0.29585	0.21792	0.61462	0.1493	0.0971	0.07018	1.36E+00	2.99E-03	7.10E-07	5.28E-03	1.33E-01	9.66E-03	1.59E-02	1.10E-02	1.52E+00
4586	491863.09	3859377.25	0.22168	0.09105	0.33508	0.20203	0.40637	0.16654	0.1067	0.09105	1.06E+00	3.87E-03	8.04E-07	4.89E-03	8.76E-02	1.08E-02	1.74E-02	1.43E-02	1.17E+00
4587	492363.09	3859377.25	0.19662	0.08177	0.27148	0.2228	0.37399	0.14647	0.0951	0.08177	9.44E-01	3.48E-03	6.51E-07	5.40E-03	8.07E-02	9.48E-03	1.55E-02	1.28E-02	1.05E+00
4588	492863.09	3859377.25	0.17643	0.08002	0.24296	0.21487	0.39054	0.14653	0.0848	0.08002	8.47E-01	3.40E-03	5.83E-07	5.21E-03	8.42E-02	9.48E-03	1.38E-02	1.25E-02	9.50E-01
4589	493363.09	3859377.25	0.17085	0.06093	0.18501	0.18307	0.53205	0.16932	0.0739	0.06093	8.20E-01	2.59E-03	4.44E-07	4.44E-03	1.15E-01	1.10E-02	1.21E-02	9.54E-03	9.55E-01
4590	493863.09	3859377.25	0.16171	0.05639	0.14834	0.16527	0.37731	0.20862	0.0629	0.05639	7.76E-01	2.40E-03	3.56E-07	4.00E-03	8.14E-02	1.35E-02	1.03E-02	8.83E-03	8.79E-01
4591	494363.09	3859377.25	0.15409	0.05047	0.12503	0.14931	0.45553	0.42814	0.0618	0.05047	7.39E-01	2.15E-03	3.00E-07	3.62E-03	9.82E-02	2.77E-02	1.01E-02	7.91E-03	8.73E-01
4592	494863.09	3859377.25	0.1453	0.04672	0.09523	0.11557	0.32977	1.25548	0.06	0.04672	6.97E-01	1.99E-03	2.28E-07	2.80E-03	7.11E-02	8.12E-02	9.79E-03	7.32E-03	8.57E-01
4593	495363.09	3859377.25	0.13437	0.04174	0.08574	0.11078	0.31349	0.3873	0.051	0.04174	6.45E-01	1.78E-03	2.06E-07	2.68E-03	6.76E-02	2.51E-02	8.33E-03	6.54E-03	7.44E-01
4594	495863.09	3859377.25	0.12482	0.03657	0.07881	0.09885	0.30115	0.2515	0.0443	0.03657	5.99E-01	1.56E-03	1.89E-07	2.39E-03	6.50E-02	1.63E-02	7.23E-03	5.73E-03	6.86E-01
4595	496363.09	3859377.25	0.12005	0.03201	0.07459	0.09069	0.27709	0.2315	0.0385	0.03201	5.76E-01	1.36E-03	1.79E-07	2.20E-03	5.98E-02	1.50E-02	6.28E-03	5.01E-03	6.56E-01
4596	496863.09	3859377.25	0.1099	0.02899	0.05782	0.07543	0.27026	0.1703	0.0331	0.02899	5.27E-01	1.23E-03	1.39E-07	1.83E-03	5.83E-02	1.10E-02	5.40E-03	4.54E-03	6.01E-01
4597	497363.09	3859377.25	0.11019	0.02995	0.06174	0.08666	0.26118	0.14319	0.0371	0.02995	5.29E-01	1.27E-03	1.48E-07	2.10E-03	5.63E-02	9.26E-03	6.06E-03	4.69E-03	5.99E-01
4598	497863.09	3859377.25	0.11099	0.03598	0.07241	0.08931	0.2861	0.12936	0.0418	0.03598	5.33E-01	1.53E-03	1.74E-07	2.16E-03	6.17E-02	8.37E-03	6.82E-03	5.64E-03	6.08E-01
4599	498363.09	3859377.25	0.10975	0.03801	0.09219	0.10424	0.28804	0.13708	0.0421	0.03801	5.27E-01	1.62E-03	2.21E-07	2.53E-03	6.21E-02	8.87E-03	6.87E-03	5.95E-03	6.03E-01
4600	471363.09	3859877.25	0.08317	0.02892	0.03377	0.03742	0.11422	0.04265	0.0292	0.02892	3.99E-01	1.23E-03	8.10E-08	9.07E-04	2.46E-02	2.76E-03	4.76E-03	4.53E-03	4.29E-01
4601	471863.09	3859877.25	0.08834	0.02948	0.04014	0.03899	0.12862	0.04394	0.0298	0.02948	4.24E-01	1.25E-03	9.63E-08	9.45E-04	2.77E-02	2.84E-03	4.86E-03	4.62E-03	4.57E-01
4602	472363.09	3859877.25	0.08751	0.02992	0.03808	0.04074	0.15314	0.045	0.0302	0.02992	4.20E-01	1.27E-03	9.13E-08	9.87E-04	3.30E-02	2.91E-03	4.93E-03	4.69E-03	4.58E-01
4603	472863.09	3859877.25	0.08629	0.03028	0.04047	0.04288	0.16546	0.0476	0.0311	0.03028	4.14E-01	1.29E-03	9.71E-08	1.04E-03	3.57E-02	3.08E-03	5.07E-03	4.74E-03	4.56E-01
4604	473363.09	3859877.25	0.08523	0.03077	0.03869	0.04522	0.18413	0.05059	0.032	0.03077	4.09E-01	1.31E-03	9.28E-08	1.10E-03	3.97E-02	3.27E-03	5.22E-03	4.82E-03	4.55E-01
4605	473863.09	3859877.25	0.08576	0.03156	0.04329	0.04767	0.20113	0.05484	0.0325	0.03156	4.12E-01	1.34E-03	1.04E-07	1.15E-03	4.34E-02	3.55E-03	5.30E-03	4.94E-03	4.61E-01
4606	474363.09	3859877.25	0.08672	0.0313	0.04378	0.04824	0.2136	0.04905	0.0319	0.0313	4.16E-01	1.33E-03	1.05E-07	1.17E-03	4.61E-02	3.17E-03	5.21E-03	4.90E-03	4.68E-01
4607	474863.09	3859877.25	0.08177	0.02513	0.03994	0.04976	0.19082	0.04085	0.032	0.02513	3.92E-01	1.07E-03	9.58E-08	1.21E-03	4.12E-02	2.64E-03	5.23E-03	3.94E-03	4.40E-01
4608	475363.09	3859877.25	0.06714	0.02026	0.03058	0.03623	0.1079	0.03526	0.0214	0.02026	3.22E-01	8.62E-04	7.33E-08	8.78E-04	2.33E-02	2.28E-03	3.50E-03	3.17E-03	3.50E-01
4609	475863.09	3859877.25	0.04952	0.01645	0.02268	0.02061	0.0656	0.02533	0.0166	0.01645	2.38E-01	7.00E-04	5.44E-08	4.99E-04	1.41E-02	1.64E-03	2.71E-03	2.58E-03	2.55E-01
4610	476363.09	3859877.25	0.03311	0.01243	0.01648	0.01749	0.05973	0.02146	0.0126	0.01243	1.59E-01	5.29E-04	3.95E-08	4.24E-04	1.29E-02	1.39E-03	2.05E-03	1.95E-03	1.74E-01
4611	476863.09	3859877.25	0.0339	0.01381	0.01738	0.01868	0.07084	0.02225	0.0134	0.01381	1.63E-01	5.88E-04	4.17E-08	4.53E-04	1.53E-02	1.44E-03	2.18E-03	2.16E-03	1.80E-01
4612	477363.09	3859877.25	0.03585	0.01402	0.02225	0.02075	0.07355	0.02294	0.0136	0.01402	1.72E-01	5.97E-04	5.34E-08	5.03E-04	1.59E-02	1.48E-03	2.22E-03	2.20E-03	1.91E-01
4613	477863.09	3859877.25	0.05495	0.01758	0.02856	0.02409	0.07452	0.02898	0.0179	0.01758	2.64E-01	7.48E-04	6.85E-08	5.84E-04	1.61E-02	1.88E-03	2.92E-03	2.75E-03	2.83E-01

4614	478363.09	3859877.25	0.08775	0.01997	0.03377	0.0422	0.12811	0.03886	0.0243	0.01997	4.21E-01	8.50E-04	8.10E-08	1.02E-03	2.76E-02	2.51E-03	3.96E-03	3.13E-03	4.54E-01
4615	478863.09	3859877.25	0.10972	0.0237	0.03544	0.05495	0.19266	0.04957	0.0301	0.0237	5.27E-01	1.01E-03	8.50E-08	1.33E-03	4.16E-02	3.21E-03	4.92E-03	3.71E-03	5.75E-01
4616	479363.09	3859877.25	0.12303	0.03357	0.04794	0.06902	0.21494	0.07619	0.0371	0.03357	5.90E-01	1.43E-03	1.15E-07	1.67E-03	4.64E-02	4.93E-03	6.06E-03	5.26E-03	6.46E-01
4617	479863.09	3859877.25	0.12714	0.0418	0.07513	0.07995	0.20144	0.08685	0.0418	0.0418	6.10E-01	1.78E-03	1.80E-07	1.94E-03	4.34E-02	5.62E-03	6.82E-03	6.55E-03	6.63E-01
4618	480363.09	3859877.25	0.1296	0.04852	0.12584	0.08919	0.21544	0.09675	0.0456	0.04852	6.22E-01	2.06E-03	3.02E-07	2.16E-03	4.65E-02	6.26E-03	7.45E-03	7.60E-03	6.79E-01
4619	480863.09	3859877.25	0.13351	0.04943	0.11626	0.09823	0.25647	0.12143	0.0483	0.04943	6.41E-01	2.10E-03	2.79E-07	2.38E-03	5.53E-02	7.86E-03	7.88E-03	7.74E-03	7.08E-01
4620	481363.09	3859877.25	0.14141	0.05196	0.10245	0.11251	0.28825	0.11992	0.047	0.05196	6.79E-01	2.21E-03	2.46E-07	2.73E-03	6.22E-02	7.76E-03	7.67E-03	8.14E-03	7.53E-01
4621	481863.09	3859877.25	0.14829	0.05457	0.12269	0.12282	0.28211	0.12859	0.0475	0.05457	7.12E-01	2.32E-03	2.94E-07	2.98E-03	6.08E-02	8.32E-03	7.75E-03	8.55E-03	7.85E-01
4622	482363.09	3859877.25	0.15432	0.05618	0.15986	0.1312	0.35528	0.13229	0.0488	0.05618	7.41E-01	2.39E-03	3.83E-07	3.18E-03	7.66E-02	8.56E-03	7.96E-03	8.80E-03	8.30E-01
4623	482863.09	3859877.25	0.15431	0.05485	0.15366	0.13021	0.43367	0.13654	0.0487	0.05485	7.41E-01	2.33E-03	3.69E-07	3.15E-03	9.35E-02	8.83E-03	7.95E-03	8.59E-03	8.48E-01
4624	483363.09	3859877.25	0.14993	0.05945	0.15697	0.14168	0.40551	0.1439	0.0536	0.05945	7.20E-01	2.53E-03	3.76E-07	3.43E-03	8.75E-02	9.31E-03	8.75E-03	9.31E-03	8.22E-01
4625	483863.09	3859877.25	0.15535	0.06514	0.14402	0.13265	0.41119	0.16603	0.057	0.06514	7.46E-01	2.77E-03	3.45E-07	3.21E-03	8.87E-02	1.07E-02	9.31E-03	1.02E-02	8.50E-01
4626	484363.09	3859877.25	0.15394	0.06645	0.17629	0.14802	0.55142	0.18842	0.0582	0.06645	7.39E-01	2.83E-03	4.23E-07	3.59E-03	1.19E-01	1.22E-02	9.49E-03	1.04E-02	8.75E-01
4627	484863.09	3859877.25	0.16685	0.06901	0.13979	0.14727	0.45091	0.21841	0.0624	0.06901	8.01E-01	2.94E-03	3.35E-07	3.57E-03	9.72E-02	1.41E-02	1.02E-02	1.08E-02	9.18E-01
4628	485363.09	3859877.25	0.19302	0.08346	0.23788	0.13446	0.39357	0.25532	0.0747	0.08346	9.26E-01	3.55E-03	5.71E-07	3.26E-03	8.49E-02	1.65E-02	1.22E-02	1.31E-02	1.03E+00
4629	485863.09	3859877.25	0.22575	0.09934	0.16861	0.14621	0.43138	0.2739	0.0892	0.09934	1.08E+00	4.23E-03	4.04E-07	3.54E-03	9.30E-02	1.77E-02	1.46E-02	1.56E-02	1.20E+00
4630	486363.09	3859877.25	0.26779	0.10605	0.30589	0.18788	0.59638	0.28274	0.0969	0.10605	1.29E+00	4.51E-03	7.34E-07	4.55E-03	1.29E-01	1.83E-02	1.58E-02	1.66E-02	1.44E+00
4631	486863.09	3859877.25	0.32057	0.11651	0.2566	0.20443	0.37984	0.35132	0.1048	0.11651	1.54E+00	4.96E-03	6.15E-07	4.95E-03	8.19E-02	2.27E-02	1.71E-02	1.83E-02	1.65E+00
4632	487363.09	3859877.25	0.42266	0.13502	0.27033	0.23629	0.41843	0.53347	0.1198	0.13502	2.03E+00	5.74E-03	6.48E-07	5.72E-03	9.02E-02	3.45E-02	1.96E-02	2.12E-02	2.16E+00
4633	487863.09	3859877.25	0.54206	0.16896	0.24933	0.28478	0.45495	0.52975	0.1405	0.16896	2.60E+00	7.19E-03	5.98E-07	6.90E-03	9.81E-02	3.43E-02	2.29E-02	2.65E-02	2.74E+00
4634	488363.09	3859877.25	0.5555	0.16158	0.31948	0.34616	0.22199	1.25251	0.1611	0.16158	2.67E+00	6.87E-03	7.66E-07	8.39E-03	4.79E-02	8.10E-02	2.63E-02	2.53E-02	2.81E+00
4635	488863.09	3859877.25	0.44758	0.19097	0.3663	0.5411	0.41281	0.40918	0.1906	0.19097	2.15E+00	8.13E-03	8.79E-07	1.31E-02	8.90E-02	2.65E-02	3.11E-02	2.99E-02	2.29E+00
4636	489363.09	3859877.25	0.3774	0.22761	0.5975	0.65694	0.54119	0.3551	0.2325	0.22761	1.81E+00	9.68E-03	1.43E-06	1.59E-02	1.17E-01	2.30E-02	3.79E-02	3.57E-02	1.98E+00
4637	489863.09	3859877.25	0.28963	0.3134	0.36905	0.47378	0.58057	0.37628	0.347	0.3134	1.39E+00	1.33E-02	8.85E-07	1.15E-02	1.25E-01	2.43E-02	5.66E-02	4.91E-02	1.57E+00
4638	490363.09	3859877.25	0.28985	0.54322	0.73228	0.73457	0.4629	0.44772	0.5412	0.54322	1.39E+00	2.31E-02	1.76E-06	1.78E-02	9.98E-02	2.90E-02	8.83E-02	8.51E-02	1.56E+00
4639	490863.09	3859877.25	0.45965	1.14199	0.67748	2.65666	0.4628	2.38931	1.2615	1.14199	2.21E+00	4.86E-02	1.62E-06	6.44E-02	9.98E-02	1.55E-01	2.06E-01	1.79E-01	2.60E+00
4640	491363.09	3859877.25	0.29103	0.35459	0.50063	1.25433	0.39993	0.69735	0.3571	0.35459	1.40E+00	1.51E-02	1.20E-06	3.04E-02	8.63E-02	4.51E-02	5.83E-02	5.55E-02	1.58E+00
4641	491863.09	3859877.25	0.22961	0.23141	0.43819	0.58893	0.58854	0.41806	0.2287	0.23141	1.10E+00	9.85E-03	1.05E-06	1.43E-02	1.27E-01	2.70E-02	3.73E-02	3.63E-02	1.28E+00
4642	492363.09	3859877.25	0.19441	0.17342	0.35825	0.39396	0.39841	0.3119	0.1561	0.17342	9.33E-01	7.38E-03	8.59E-07	9.54E-03	8.59E-02	2.02E-02	2.55E-02	2.72E-02	1.05E+00
4643	492863.09	3859877.25	0.18276	0.12778	0.24849	0.26896	0.27495	0.2615	0.1207	0.12778	8.77E-01	5.44E-03	5.96E-07	6.52E-03	5.93E-02	1.69E-02	1.97E-02	2.00E-02	9.65E-01
4644	493363.09	3859877.25	0.17268	0.10692	0.20094	0.20661	0.24973	0.24224	0.1046	0.10692	8.29E-01	4.55E-03	4.82E-07	5.01E-03	5.39E-02	1.57E-02	1.71E-02	1.67E-02	9.08E-01
4645	493863.09	3859877.25	0.15825	0.093	0.15573	0.18522	0.26478	0.30564	0.0895	0.093	7.59E-01	3.96E-03	3.73E-07	4.49E-03	5.71E-02	1.98E-02	1.46E-02	1.46E-02	8.45E-01
4646	494363.09	3859877.25	0.14658	0.0739	0.12829	0.15243	0.31212	0.70483	0.0741	0.0739	7.03E-01	3.14E-03	3.08E-07	3.69E-03	6.73E-02	4.56E-02	1.21E-02	1.16E-02	8.24E-01
4647	494863.09	3859877.25	0.13898	0.06865	0.11662	0.14434	0.36694	0.36689	0.0696	0.06865	6.67E-01	2.92E-03	2.80E-07	3.50E-03	7.91E-02	2.37E-02	1.14E-02	1.08E-02	7.77E-01
4648	495363.09	3859877.25	0.13364	0.06336	0.10881	0.13038	0.27334	0.27248	0.0603	0.06336	6.41E-01	2.70E-03	2.61E-07	3.16E-03	5.90E-02	1.76E-02	9.84E-03	9.93E-03	7.24E-01
4649	495863.09	3859877.25	0.12647	0.05417	0.1061	0.12114	0.31321	0.22924	0.0536	0.05417	6.07E-01	2.30E-03	2.54E-07	2.93E-03	6.76E-02	1.48E-02	8.75E-03	8.49E-03	6.95E-01
4650	496363.09	3859877.25	0.11642	0.04455	0.08092	0.10076	0.334	0.15354	0.0494	0.04455	5.59E-01	1.90E-03	1.94E-07	2.44E-03	7.20E-02	9.93E-03	8.06E-03	6.98E-03	6.46E-01
4651	496863.09	3859877.25	0.10058	0.03257	0.04996	0.06698	0.24846	0.10605	0.0377	0.03257	4.83E-01	1.39E-03	1.20E-07	1.62E-03	5.36E-02	6.86E-03	6.15E-03	5.10E-03	5.47E-01
4652	497363.09	3859877.25	0.11057	0.0347	0.06496	0.08283	0.27119	0.1268	0.0398	0.0347	5.31E-01	1.48E-03	1.56E-07	2.01E-03	5.85E-02	8.20E-03	6.49E-03	5.44E-03	6.02E-01
4653	497863.09	3859877.25	0.11001	0.04359	0.09245	0.09468	0.28342	0.14284	0.0423	0.04359	5.28E-01	1.85E-03	2.22E-07	2.29E-03	6.11E-02	9.24E-03	6.90E-03	6.83E-03	6.03E-01
4654	498363.09	3859877.25	0.1033	0.04759	0.09781	0.09875	0.23452	0.14151	0.0454	0.04759	4.96E-01	2.02E-03	2.35E-07	2.39E-03	5.06E-02	9.16E-03	7.40E-03	7.46E-03	5.60E-01
4655	471363.09	3860377.25	0.07509	0.02584	0.03718	0.0415	0.1739	0.04464	0.0261	0.02584	3.60E-01	1.10E-03	8.92E-08	1.01E-03	3.75E-02	2.89E-03	4.26E-03	4.05E-03	4.03E-01
4656	471863.09	3860377.25	0.07724	0.02638	0.04543	0.04377	0.17672	0.04843	0.0271	0.02638	3.71E-01	1.12E-03	1.09E-07	1.06E-03	3.81E-02	3.13E-03	4.43E-03	4.13E-03	4.14E-01
4657	472363.09	3860377.25	0.0776	0.02696	0.04265	0.04631	0.17171	0.05377	0.0281	0.02696	3.72E-01	1.15E-03	1.02E-07	1.12E-03	3.70E-02	3.48E-03	4.59E-03	4.22E-03	4.16E-01
4658	472863.09	3860377.25	0.07834	0.02806	0.04053	0.04912	0.16004	0.05479	0.0288	0.02806	3.76E-01	1.19E-03	9.72E-08	1.19E-03	3.45E-02	3.55E-03	4.70E-03	4.40E-03	4.17E-01
4659	473363.09	3860377.25	0.07972	0.0305	0.043	0.05046	0.16481	0.05874	0.0307	0.0305	3.83E-01	1.30E-03	1.03E-07	1.22E-03	3.55E-02	3.80E-03	5.02E-03	4.78E-03	4.25E-01
4660	473863.09	3860377.25	0.08075	0.03154	0.04563	0.05138	0.1539	0.06127	0.0315	0.03154	3.88E-01	1.34E-03	1.09E-07	1.24E-03	3.32E-02	3.96E-03	5.15E-03	4.94E-03	4.27E-01
4661	474363.09	3860377.25	0.08421	0.03158	0.04718	0.05521	0.18725	0.06136	0.0324	0.03158	4.04E-01	1.34E-03	1.13E-07	1.34E-03	4.04E-02	3.97E-03	5.28E-03	4.95E-03	4.51E-01
4662	474863.09	3860377.25	0.0877	0.02929	0.04703	0.054	0.23072	0.05723	0.0305	0.02929	4.21E-01	1.25E-03	1.13E-07	1.31E-03	4.98E-02	3.70E-03	4.98E-03	4.59E-03	4.77E-01
4663	475363.09	3860377.25	0.08824	0.02606	0.03584	0.05105	0.16417	0.04993	0.0301	0.02606	4.23E-01	1.11E-03	8.60E-08	1.24E-03	3.54E-02	3.23E-03	4.91E-03	4.08E-03	4.65E-01
4664	475863.09	3860377.25	0.08658	0.02172	0.0316	0.04697	0.15472	0.04191	0.0288	0.02172	4.15E-01	9.24E-04	7.58E-08	1.14E-03	3.34E-02	2.71E-03	4.70E-03	3.40E-03	4.55E-01
4665	476363.09	3860377.25	0.08052	0.02188	0.03179	0.03541	0.1145	0.03584	0.0221	0.02188	3.86E-01	9.31E-04	7.62E-08	8.58E-04	2.47E-02	2.32E-03	3.60E-03	3.43E-03	4.15E-01
4666	476863.09	3860377.25	0.07591	0.02117	0.03866	0.03553	0.10704	0.03485	0.0213	0.02117	3.64E-01	9.01E-04	9.27E-08	8.61E-04	2.31E-02	2.25E-03	3.48E-03	3.32E-03	3.92E-01
4667	477363.09	3860377.25	0.04644	0.01667	0.02099	0.0238	0.06502	0.02367	0.0169	0.01667	2.23E-01	7.09E-04	5.03E-08	5.77E-04	1.40E-02	1.53E-03	2.75E-03	2.61E-03	2.40E-01
4668	477863.09	3860377.25	0.05985	0.01906	0.02174	0.03097	0.07519	0.02603	0.0192	0.01906	2.87E-01	8.11E-04	5.21E-08	7.50E-04	1.62E-02	1.68E-03	3.14E-03	2.99E-03	3.07E-01
4669	478363.09	3860377.25	0.09502	0.02097	0.02995	0.04671	0.10562	0.03796	0.0238	0.02097	4.56E-01	8.92E-04	7.18E-08	1.13E-03	2.28E-02	2.46E-03	3.88E-03	3.28E-03	4.84E-01
4670	478863.09	3860377.25	0.11415	0.02791	0.04285	0.07162	0.14234	0.05048	0.0282	0.02791	5.48E-01	1.19E-03	1.03E-07	1.74E-03	3.07E-02	3.27E-03	4.60E-03	4.37E-03	5.85E-01

4671	479363.09	3860377.25	0.12276	0.03451	0.05189	0.08943	0.18314	0.06441	0.0352	0.03451	5.89E-01	1.47E-03	1.24E-07	2.17E-03	3.95E-02	4.17E-03	5.75E-03	5.41E-03	6.37E-01
4672	479863.09	3860377.25	0.13019	0.04194	0.10817	0.09906	0.25151	0.08645	0.0416	0.04194	6.25E-01	1.78E-03	2.59E-07	2.40E-03	5.42E-02	5.59E-03	6.79E-03	6.57E-03	6.89E-01
4673	480363.09	3860377.25	0.12423	0.04763	0.11136	0.10541	0.26709	0.09667	0.0458	0.04763	5.96E-01	2.03E-03	2.67E-07	2.55E-03	5.76E-02	6.25E-03	7.47E-03	7.46E-03	6.65E-01
4674	480863.09	3860377.25	0.11676	0.04876	0.09884	0.10778	0.25345	0.11006	0.0476	0.04876	5.60E-01	2.07E-03	2.37E-07	2.61E-03	5.47E-02	7.12E-03	7.76E-03	7.64E-03	6.27E-01
4675	481363.09	3860377.25	0.12979	0.05286	0.10763	0.10689	0.29365	0.11351	0.0462	0.05286	6.23E-01	2.25E-03	2.58E-07	2.59E-03	6.33E-02	7.34E-03	7.55E-03	8.28E-03	6.98E-01
4676	481863.09	3860377.25	0.12854	0.05266	0.15485	0.10559	0.30337	0.12285	0.0519	0.05266	6.17E-01	2.24E-03	3.71E-07	2.56E-03	6.54E-02	7.95E-03	8.47E-03	8.25E-03	6.95E-01
4677	482363.09	3860377.25	0.13362	0.05743	0.15476	0.11009	0.33633	0.13113	0.0535	0.05743	6.41E-01	2.44E-03	3.71E-07	2.67E-03	7.25E-02	8.48E-03	8.74E-03	9.00E-03	7.27E-01
4678	482863.09	3860377.25	0.13243	0.05491	0.13023	0.11249	0.35562	0.14279	0.0501	0.05491	6.36E-01	2.34E-03	3.12E-07	2.73E-03	7.67E-02	9.24E-03	8.18E-03	8.60E-03	7.26E-01
4679	483363.09	3860377.25	0.12708	0.05682	0.12399	0.11169	0.40652	0.14994	0.0525	0.05682	6.10E-01	2.42E-03	2.97E-07	2.71E-03	8.77E-02	9.70E-03	8.57E-03	8.90E-03	7.12E-01
4680	483863.09	3860377.25	0.13014	0.06001	0.14942	0.11524	0.47315	0.15243	0.0559	0.06001	6.25E-01	2.55E-03	3.58E-07	2.79E-03	1.02E-01	9.86E-03	9.13E-03	9.40E-03	7.42E-01
4681	484363.09	3860377.25	0.13034	0.0625	0.16504	0.11306	0.36188	0.1615	0.0567	0.0625	6.25E-01	2.66E-03	3.96E-07	2.74E-03	7.80E-02	1.04E-02	9.25E-03	9.79E-03	7.19E-01
4682	484863.09	3860377.25	0.13075	0.06296	0.17405	0.12329	0.3202	0.17125	0.0598	0.06296	6.27E-01	2.68E-03	4.17E-07	2.99E-03	6.91E-02	1.11E-02	9.76E-03	9.86E-03	7.13E-01
4683	485363.09	3860377.25	0.14539	0.06549	0.14784	0.13391	0.37653	0.1888	0.0611	0.06549	6.98E-01	2.79E-03	3.55E-07	3.24E-03	8.12E-02	1.22E-02	9.97E-03	1.03E-02	7.97E-01
4684	485863.09	3860377.25	0.15569	0.06866	0.22679	0.15318	0.48618	0.21487	0.067	0.06866	7.47E-01	2.92E-03	5.44E-07	3.71E-03	1.05E-01	1.39E-02	1.09E-02	1.08E-02	8.73E-01
4685	486363.09	3860377.25	0.17011	0.07714	0.18349	0.18053	0.38405	0.24906	0.0771	0.07714	8.16E-01	3.28E-03	4.40E-07	4.37E-03	8.28E-02	1.61E-02	1.26E-02	1.21E-02	9.23E-01
4686	486863.09	3860377.25	0.22411	0.10055	0.19092	0.20052	0.30046	0.32523	0.0841	0.10055	1.08E+00	4.28E-03	4.58E-07	4.86E-03	6.48E-02	2.10E-02	1.37E-02	1.58E-02	1.17E+00
4687	487363.09	3860377.25	0.37052	0.10349	0.20888	0.22373	0.23861	0.50855	0.091	0.10349	1.78E+00	4.40E-03	5.01E-07	5.42E-03	5.15E-02	3.29E-02	1.49E-02	1.62E-02	1.87E+00
4688	487863.09	3860377.25	0.47615	0.11759	0.23765	0.24238	0.32934	0.46789	0.1168	0.11759	2.28E+00	5.00E-03	5.70E-07	5.87E-03	7.10E-02	3.03E-02	1.91E-02	1.84E-02	2.40E+00
4689	488363.09	3860377.25	0.52012	0.16241	0.2583	0.29545	0.21864	1.14223	0.1358	0.16241	2.50E+00	6.91E-03	6.19E-07	7.16E-03	4.72E-02	7.39E-02	2.22E-02	2.54E-02	2.63E+00
4690	488863.09	3860377.25	0.55146	0.15197	0.29245	0.48481	0.20162	0.38262	0.1519	0.15197	2.65E+00	6.47E-03	7.01E-07	1.17E-02	4.35E-02	2.48E-02	2.48E-02	2.38E-02	2.73E+00
4691	489363.09	3860377.25	0.4137	0.18365	0.45981	0.61787	0.42682	0.28296	0.1852	0.18365	1.99E+00	7.81E-03	1.10E-06	1.50E-02	9.21E-02	1.83E-02	3.02E-02	2.88E-02	2.12E+00
4692	489863.09	3860377.25	0.27473	0.21618	0.29796	0.32039	0.44983	0.2459	0.2279	0.21618	1.32E+00	9.20E-03	7.15E-07	7.76E-03	9.70E-02	1.59E-02	3.72E-02	3.39E-02	1.45E+00
4693	490363.09	3860377.25	0.25608	0.2209	0.35543	0.27484	0.40145	0.29077	0.2378	0.2209	1.23E+00	9.40E-03	8.52E-07	6.66E-03	8.66E-02	1.88E-02	3.88E-02	3.46E-02	1.35E+00
4694	490863.09	3860377.25	0.21019	0.28779	0.37882	0.35977	0.33943	0.29014	0.2987	0.28779	1.01E+00	1.22E-02	9.09E-07	8.72E-03	7.32E-02	1.88E-02	4.87E-02	4.51E-02	1.13E+00
4695	491363.09	3860377.25	0.22873	0.54499	0.20595	0.38915	0.31233	0.29735	0.5397	0.54499	1.10E+00	2.32E-02	4.94E-07	9.43E-03	6.74E-02	1.92E-02	8.81E-02	8.54E-02	1.22E+00
4696	491863.09	3860377.25	0.30819	0.48178	0.2575	0.44422	0.29918	0.41785	0.4663	0.48178	1.48E+00	2.05E-02	6.18E-07	1.08E-02	6.45E-02	2.70E-02	7.61E-02	7.55E-02	1.60E+00
4697	492363.09	3860377.25	0.20943	0.28368	0.30333	0.44429	0.36429	0.8479	0.2704	0.28368	1.01E+00	1.21E-02	7.27E-07	1.08E-02	7.86E-02	5.49E-02	4.41E-02	4.44E-02	1.16E+00
4698	492863.09	3860377.25	0.17642	0.18761	0.2927	0.37609	0.36182	1.35057	0.1869	0.18761	8.47E-01	7.98E-03	7.02E-07	9.11E-03	7.80E-02	8.74E-02	3.05E-02	2.94E-02	1.03E+00
4699	493363.09	3860377.25	0.16255	0.1462	0.22194	0.25854	0.24361	0.76428	0.1353	0.1462	7.80E-01	6.22E-03	5.32E-07	6.26E-03	5.25E-02	4.95E-02	2.21E-02	2.29E-02	8.94E-01
4700	493863.09	3860377.25	0.14883	0.12809	0.20517	0.19177	0.19428	0.73579	0.1165	0.12809	7.14E-01	5.45E-03	4.92E-07	4.65E-03	4.19E-02	4.76E-02	1.90E-02	2.01E-02	8.13E-01
4701	494363.09	3860377.25	0.14466	0.10689	0.18183	0.16011	0.18452	0.60222	0.0931	0.10689	6.94E-01	4.55E-03	4.36E-07	3.88E-03	3.98E-02	3.90E-02	1.52E-02	1.67E-02	7.80E-01
4702	494863.09	3860377.25	0.13269	0.09712	0.18079	0.15344	0.18144	0.41665	0.0894	0.09712	6.37E-01	4.13E-03	4.34E-07	3.72E-03	3.91E-02	2.70E-02	1.46E-02	1.52E-02	7.10E-01
4703	495363.09	3860377.25	0.12016	0.08726	0.14768	0.14379	0.21562	0.32914	0.0797	0.08726	5.77E-01	3.71E-03	3.54E-07	3.48E-03	4.65E-02	2.13E-02	1.30E-02	1.37E-02	6.51E-01
4704	495863.09	3860377.25	0.11634	0.06844	0.11964	0.1219	0.28136	0.23591	0.067	0.06844	5.58E-01	2.91E-03	2.87E-07	2.95E-03	6.07E-02	1.53E-02	1.09E-02	1.07E-02	6.40E-01
4705	496363.09	3860377.25	0.11684	0.05809	0.10066	0.10449	0.23653	0.15176	0.0535	0.05809	5.61E-01	2.47E-03	2.41E-07	2.53E-03	5.10E-02	9.82E-03	8.73E-03	9.10E-03	6.26E-01
4706	496863.09	3860377.25	0.11304	0.04774	0.07995	0.0906	0.17234	0.12037	0.0499	0.04774	5.42E-01	2.03E-03	1.92E-07	2.19E-03	3.72E-02	7.79E-03	8.15E-03	7.48E-03	5.92E-01
4707	497363.09	3860377.25	0.10896	0.04173	0.06339	0.07487	0.19092	0.09746	0.045	0.04173	5.23E-01	1.78E-03	1.52E-07	1.81E-03	4.12E-02	6.31E-03	7.34E-03	6.54E-03	5.75E-01
4708	497863.09	3860377.25	0.10397	0.04584	0.07646	0.08619	0.28857	0.121	0.0447	0.04584	4.99E-01	1.95E-03	1.83E-07	2.09E-03	6.22E-02	7.83E-03	7.30E-03	7.18E-03	5.73E-01
4709	498363.09	3860377.25	0.09554	0.05388	0.08752	0.09302	0.23005	0.14957	0.0471	0.05388	4.58E-01	2.29E-03	2.10E-07	2.25E-03	4.96E-02	9.68E-03	7.69E-03	8.44E-03	5.22E-01
4710	471363.09	3860877.25	0.07284	0.02704	0.034	0.0428	0.13379	0.05133	0.025	0.02704	3.50E-01	1.15E-03	8.15E-08	1.04E-03	2.89E-02	3.32E-03	4.08E-03	4.24E-03	3.84E-01
4711	471863.09	3860877.25	0.07459	0.02762	0.03664	0.04333	0.13873	0.05496	0.0255	0.02762	3.58E-01	1.18E-03	8.79E-08	1.05E-03	2.99E-02	3.56E-03	4.16E-03	4.33E-03	3.93E-01
4712	472363.09	3860877.25	0.0766	0.02819	0.03838	0.04404	0.17509	0.05834	0.0261	0.02819	3.68E-01	1.20E-03	9.20E-08	1.07E-03	3.78E-02	3.77E-03	4.26E-03	4.42E-03	4.11E-01
4713	472863.09	3860877.25	0.07846	0.02892	0.0449	0.04858	0.18663	0.06091	0.0268	0.02892	3.77E-01	1.23E-03	1.08E-07	1.18E-03	4.03E-02	3.94E-03	4.37E-03	4.53E-03	4.23E-01
4714	473363.09	3860877.25	0.07957	0.02947	0.0568	0.05254	0.15832	0.06658	0.0272	0.02947	3.82E-01	1.25E-03	1.36E-07	1.27E-03	3.41E-02	4.31E-03	4.44E-03	4.62E-03	4.23E-01
4715	473863.09	3860877.25	0.08233	0.02995	0.05986	0.05525	0.15361	0.06937	0.0277	0.02995	3.95E-01	1.27E-03	1.44E-07	1.34E-03	3.31E-02	4.49E-03	4.51E-03	4.69E-03	4.35E-01
4716	474363.09	3860877.25	0.08492	0.03022	0.05626	0.05736	0.18337	0.07107	0.0279	0.03022	4.08E-01	1.29E-03	1.35E-07	1.39E-03	3.95E-02	4.60E-03	4.55E-03	4.73E-03	4.54E-01
4717	474863.09	3860877.25	0.08865	0.03055	0.0412	0.05965	0.12953	0.07036	0.0283	0.03055	4.25E-01	1.30E-03	9.88E-08	1.45E-03	2.79E-02	4.55E-03	4.61E-03	4.79E-03	4.60E-01
4718	475363.09	3860877.25	0.09195	0.02975	0.04821	0.06474	0.12269	0.06732	0.0282	0.02975	4.41E-01	1.27E-03	1.16E-07	1.57E-03	2.65E-02	4.36E-03	4.60E-03	4.66E-03	4.75E-01
4719	475863.09	3860877.25	0.09466	0.0277	0.04539	0.06892	0.15699	0.06075	0.0274	0.0277	4.54E-01	1.18E-03	1.09E-07	1.67E-03	3.39E-02	3.93E-03	4.48E-03	4.34E-03	4.95E-01
4720	476363.09	3860877.25	0.09727	0.02459	0.04134	0.06936	0.10527	0.04992	0.0269	0.02459	4.67E-01	1.05E-03	9.91E-08	1.68E-03	2.27E-02	3.23E-03	4.40E-03	3.85E-03	4.96E-01
4721	476863.09	3860877.25	0.09679	0.02448	0.03647	0.06548	0.10297	0.04775	0.0266	0.02448	4.64E-01	1.04E-03	8.75E-08	1.59E-03	2.22E-02	3.09E-03	4.35E-03	3.83E-03	4.93E-01
4722	477363.09	3860877.25	0.09506	0.02508	0.03182	0.06909	0.11323	0.0496	0.0272	0.02508	4.56E-01	1.07E-03	7.63E-08	1.67E-03	2.44E-02	3.21E-03	4.44E-03	3.93E-03	4.87E-01
4723	477863.09	3860877.25	0.09088	0.02374	0.02454	0.05953	0.12831	0.03891	0.0251	0.02374	4.36E-01	1.01E-03	5.89E-08	1.44E-03	2.77E-02	2.52E-03	4.10E-03	3.72E-03	4.69E-01
4724	478363.09	3860877.25	0.07287	0.0187	0.0294	0.03259	0.09847	0.03179	0.0188	0.0187	3.50E-01	7.96E-04	7.05E-08	7.90E-04	2.12E-02	2.06E-03	3.07E-03	2.93E-03	3.75E-01
4725	478863.09	3860877.25	0.10834	0.02736	0.03745	0.05337	0.18417	0.04409	0.0259	0.02736	5.20E-01	1.16E-03	8.98E-08	1.29E-03	3.97E-02	2.85E-03	4.22E-03	4.29E-03	5.65E-01
4726	479363.09	3860877.25	0.11209	0.03114	0.07974	0.06134	0.19089	0.06285	0.0315	0.03114	5.38E-01	1.32E-03	1.91E-07	1.49E-03	4.12E-02	4.07E-03	5.15E-03	4.88E-03	5.86E-01
4727	479863.09	3860877.25	0.11341	0.03862	0.10951	0.08209	0.23195	0.08585	0.0378	0.03862	5.44E-01	1.64E-03	2.63E-07	1.99E-03	5.00E-02	5.55E-03	6.17E-03	6.05E-03	6.04E-01

4728	480363.09	3860877.25	0.1041	0.0461	0.09611	0.08888	0.2493	0.10188	0.0414	0.0461	5.00E-01	1.96E-03	2.31E-07	2.15E-03	5.38E-02	6.59E-03	6.76E-03	7.22E-03	5.64E-01
4729	480863.09	3860877.25	0.10438	0.04751	0.1042	0.09313	0.24117	0.11191	0.0424	0.04751	5.01E-01	2.02E-03	2.50E-07	2.26E-03	5.20E-02	7.24E-03	6.91E-03	7.44E-03	5.64E-01
4730	481363.09	3860877.25	0.10703	0.04811	0.13163	0.08537	0.26765	0.11311	0.0453	0.04811	5.14E-01	2.05E-03	3.16E-07	2.07E-03	5.77E-02	7.32E-03	7.40E-03	7.54E-03	5.83E-01
4731	481863.09	3860877.25	0.10562	0.04954	0.09185	0.08918	0.29856	0.11694	0.046	0.04954	5.07E-01	2.11E-03	2.20E-07	2.16E-03	6.44E-02	7.57E-03	7.51E-03	7.76E-03	5.83E-01
4732	482363.09	3860877.25	0.12054	0.05105	0.1216	0.09394	0.30821	0.12134	0.0485	0.05105	5.78E-01	2.17E-03	2.92E-07	2.28E-03	6.65E-02	7.85E-03	7.92E-03	8.00E-03	6.57E-01
4733	482863.09	3860877.25	0.11142	0.0511	0.14424	0.09863	0.37563	0.12739	0.0494	0.0511	5.35E-01	2.17E-03	3.46E-07	2.39E-03	8.10E-02	8.24E-03	8.06E-03	8.00E-03	6.29E-01
4734	483363.09	3860877.25	0.12433	0.05401	0.10363	0.10137	0.33138	0.13521	0.0519	0.05401	5.97E-01	2.30E-03	2.49E-07	2.46E-03	7.15E-02	8.75E-03	8.48E-03	8.46E-03	6.82E-01
4735	483863.09	3860877.25	0.13122	0.05677	0.12736	0.11362	0.28751	0.14709	0.0545	0.05677	6.30E-01	2.42E-03	3.05E-07	2.75E-03	6.20E-02	9.52E-03	8.89E-03	8.89E-03	7.06E-01
4736	484363.09	3860877.25	0.12212	0.05822	0.14786	0.11265	0.26744	0.16256	0.055	0.05822	5.86E-01	2.48E-03	3.55E-07	2.73E-03	5.77E-02	1.05E-02	8.98E-03	9.12E-03	6.59E-01
4737	484863.09	3860877.25	0.12576	0.05969	0.11616	0.12234	0.2627	0.16571	0.059	0.05969	6.04E-01	2.54E-03	2.79E-07	2.96E-03	5.67E-02	1.07E-02	9.63E-03	9.35E-03	6.77E-01
4738	485363.09	3860877.25	0.13293	0.06151	0.13522	0.13732	0.34387	0.19267	0.0611	0.06151	6.38E-01	2.62E-03	3.24E-07	3.33E-03	7.42E-02	1.25E-02	9.97E-03	9.64E-03	7.31E-01
4739	485863.09	3860877.25	0.1391	0.06307	0.18443	0.15361	0.4047	0.2174	0.0628	0.06307	6.68E-01	2.68E-03	4.42E-07	3.72E-03	8.73E-02	1.41E-02	1.03E-02	9.88E-03	7.76E-01
4740	486363.09	3860877.25	0.163	0.06444	0.14356	0.18116	0.28392	0.24532	0.0636	0.06444	7.82E-01	2.74E-03	3.44E-07	4.39E-03	6.12E-02	1.59E-02	1.04E-02	1.01E-02	8.67E-01
4741	486863.09	3860877.25	0.18167	0.07884	0.1814	0.1746	0.23539	0.29021	0.068	0.07884	8.72E-01	3.35E-03	4.35E-07	4.23E-03	5.08E-02	1.88E-02	1.11E-02	1.24E-02	9.48E-01
4742	487363.09	3860877.25	0.20323	0.09316	0.14255	0.18922	0.17637	0.35695	0.0756	0.09316	9.75E-01	3.96E-03	3.42E-07	4.58E-03	3.80E-02	2.31E-02	1.23E-02	1.46E-02	1.04E+00
4743	487863.09	3860877.25	0.24579	0.09548	0.15225	0.18806	0.27655	0.33305	0.0885	0.09548	1.18E+00	4.06E-03	3.65E-07	4.56E-03	5.96E-02	2.15E-02	1.44E-02	1.50E-02	1.27E+00
4744	488363.09	3860877.25	0.31381	0.10413	0.17244	0.2607	0.17213	0.41557	0.1043	0.10413	1.51E+00	4.43E-03	4.14E-07	6.32E-03	3.71E-02	2.69E-02	1.70E-02	1.63E-02	1.58E+00
4745	488863.09	3860877.25	0.29185	0.10819	0.28493	0.45137	0.11034	0.29099	0.1094	0.10819	1.40E+00	4.60E-03	6.83E-07	1.09E-02	2.38E-02	1.88E-02	1.79E-02	1.69E-02	1.46E+00
4746	489363.09	3860877.25	0.26006	0.12327	0.1615	0.53385	0.25771	0.25214	0.1245	0.12327	1.25E+00	5.24E-03	3.87E-07	1.29E-02	5.56E-02	1.63E-02	2.03E-02	1.93E-02	1.34E+00
4747	489863.09	3860877.25	0.2349	0.13556	0.17863	0.24974	0.32351	0.22483	0.1309	0.13556	1.13E+00	5.77E-03	4.28E-07	6.05E-03	6.98E-02	1.45E-02	2.14E-02	2.12E-02	1.22E+00
4748	490363.09	3860877.25	0.20437	0.1792	0.20298	0.20559	0.3907	0.23629	0.1941	0.1792	9.81E-01	7.62E-03	4.87E-07	4.98E-03	8.43E-02	1.53E-02	3.17E-02	2.81E-02	1.10E+00
4749	490863.09	3860877.25	0.18337	0.22917	0.18627	0.19793	0.33253	0.26195	0.2292	0.22917	8.80E-01	9.75E-03	4.47E-07	4.80E-03	7.17E-02	1.69E-02	3.74E-02	3.59E-02	9.85E-01
4750	491363.09	3860877.25	0.17843	0.27918	0.22548	0.2369	0.25827	0.248	0.2854	0.27918	8.56E-01	1.19E-02	5.41E-07	5.74E-03	5.57E-02	1.60E-02	4.66E-02	4.37E-02	9.48E-01
4751	491863.09	3860877.25	0.17604	0.4431	0.20696	0.21934	0.22624	0.24334	0.4435	0.4431	8.45E-01	1.89E-02	4.96E-07	5.31E-03	4.88E-02	1.57E-02	7.24E-02	6.94E-02	9.36E-01
4752	492363.09	3860877.25	0.1854	0.6861	0.12329	0.2353	0.2585	0.23829	0.7136	0.6861	8.90E-01	2.92E-02	2.96E-07	5.70E-03	5.58E-02	1.54E-02	1.16E-01	1.07E-01	1.00E+00
4753	492863.09	3860877.25	0.16314	0.28665	0.1624	0.25231	0.2192	0.27117	0.2726	0.28665	7.83E-01	1.22E-02	3.89E-07	6.11E-03	4.73E-02	1.75E-02	4.45E-02	4.49E-02	8.66E-01
4754	493363.09	3860877.25	0.13693	0.22223	0.18864	0.20238	0.32431	0.2789	0.2103	0.22223	6.57E-01	9.46E-03	4.52E-07	4.90E-03	6.99E-02	1.80E-02	3.43E-02	3.48E-02	7.59E-01
4755	493863.09	3860877.25	0.12704	0.18418	0.17439	0.20273	0.28559	0.28909	0.1767	0.18418	6.10E-01	7.84E-03	4.18E-07	4.91E-03	6.16E-02	1.87E-02	2.88E-02	2.89E-02	7.03E-01
4756	494363.09	3860877.25	0.11844	0.1554	0.17136	0.17709	0.16846	0.28261	0.1393	0.1554	5.68E-01	6.61E-03	4.11E-07	4.29E-03	3.63E-02	1.83E-02	2.27E-02	2.43E-02	6.32E-01
4757	494863.09	3860877.25	0.11417	0.12505	0.15288	0.16382	0.1451	0.24383	0.1242	0.12505	5.48E-01	5.32E-03	3.67E-07	3.97E-03	3.13E-02	1.58E-02	2.03E-02	1.96E-02	6.05E-01
4758	495363.09	3860877.25	0.11091	0.11326	0.14044	0.13141	0.15047	0.2135	0.1092	0.11326	5.32E-01	4.82E-03	3.37E-07	3.18E-03	3.25E-02	1.38E-02	1.78E-02	1.77E-02	5.87E-01
4759	495863.09	3860877.25	0.10839	0.10388	0.13554	0.12795	0.13521	0.18387	0.1035	0.10388	5.20E-01	4.42E-03	3.25E-07	3.10E-03	2.92E-02	1.19E-02	1.69E-02	1.63E-02	5.69E-01
4760	496363.09	3860877.25	0.10786	0.08783	0.11953	0.12248	0.16428	0.19271	0.0811	0.08783	5.18E-01	3.74E-03	2.87E-07	2.97E-03	3.54E-02	1.25E-02	1.32E-02	1.38E-02	5.72E-01
4761	496863.09	3860877.25	0.10589	0.07513	0.11123	0.11284	0.19862	0.16519	0.0665	0.07513	5.08E-01	3.20E-03	2.67E-07	2.73E-03	4.28E-02	1.07E-02	1.09E-02	1.18E-02	5.67E-01
4762	497363.09	3860877.25	0.10123	0.06443	0.10398	0.11001	0.25367	0.16254	0.0623	0.06443	4.86E-01	2.74E-03	2.49E-07	2.67E-03	5.47E-02	1.05E-02	1.02E-02	1.01E-02	5.57E-01
4763	497863.09	3860877.25	0.0989	0.05805	0.08534	0.10171	0.18373	0.1407	0.0578	0.05805	4.75E-01	2.47E-03	2.05E-07	2.46E-03	3.96E-02	9.10E-03	9.44E-03	9.09E-03	5.29E-01
4764	498363.09	3860877.25	0.08942	0.05975	0.09132	0.09886	0.16279	0.13887	0.0545	0.05975	4.29E-01	2.54E-03	2.19E-07	2.40E-03	3.51E-02	8.99E-03	8.90E-03	9.36E-03	4.78E-01
4765	471363.09	3861377.25	0.07269	0.02762	0.03904	0.04534	0.13498	0.05755	0.0259	0.02762	3.49E-01	1.18E-03	9.36E-08	1.10E-03	2.91E-02	3.72E-03	4.23E-03	4.33E-03	3.84E-01
4766	471863.09	3861377.25	0.07313	0.02815	0.04093	0.04854	0.12038	0.06047	0.0263	0.02815	3.51E-01	1.20E-03	9.82E-08	1.18E-03	2.60E-02	3.91E-03	4.29E-03	4.41E-03	3.83E-01
4767	472363.09	3861377.25	0.07671	0.02865	0.04891	0.05303	0.14663	0.06328	0.0268	0.02865	3.68E-01	1.22E-03	1.17E-07	1.28E-03	3.16E-02	4.09E-03	4.37E-03	4.49E-03	4.06E-01
4768	472863.09	3861377.25	0.07717	0.02918	0.05055	0.05735	0.14348	0.06494	0.027	0.02918	3.70E-01	1.24E-03	1.21E-07	1.39E-03	3.09E-02	4.20E-03	4.41E-03	4.57E-03	4.08E-01
4769	473363.09	3861377.25	0.07915	0.0298	0.05319	0.0618	0.11177	0.06401	0.0272	0.0298	3.80E-01	1.27E-03	1.28E-07	1.50E-03	2.41E-02	4.14E-03	4.45E-03	4.67E-03	4.11E-01
4770	473863.09	3861377.25	0.08069	0.02995	0.04903	0.06659	0.10758	0.06228	0.0273	0.02995	3.87E-01	1.27E-03	1.18E-07	1.61E-03	2.32E-02	4.03E-03	4.46E-03	4.69E-03	4.17E-01
4771	474363.09	3861377.25	0.08137	0.03069	0.05256	0.06913	0.11923	0.06366	0.0277	0.03069	3.90E-01	1.31E-03	1.26E-07	1.67E-03	2.57E-02	4.12E-03	4.51E-03	4.81E-03	4.23E-01
4772	474863.09	3861377.25	0.08278	0.03066	0.04701	0.07162	0.10523	0.06231	0.0278	0.03066	3.97E-01	1.30E-03	1.13E-07	1.74E-03	2.27E-02	4.03E-03	4.53E-03	4.80E-03	4.27E-01
4773	475363.09	3861377.25	0.08303	0.0315	0.05574	0.07048	0.10882	0.06504	0.0283	0.0315	3.98E-01	1.34E-03	1.34E-07	1.71E-03	2.35E-02	4.21E-03	4.61E-03	4.93E-03	4.29E-01
4774	475863.09	3861377.25	0.08708	0.03103	0.05988	0.06991	0.0952	0.06226	0.0282	0.03103	4.18E-01	1.32E-03	1.44E-07	1.69E-03	2.05E-02	4.03E-03	4.60E-03	4.86E-03	4.45E-01
4775	476363.09	3861377.25	0.09202	0.02954	0.05579	0.06453	0.11089	0.05842	0.0278	0.02954	4.42E-01	1.26E-03	1.34E-07	1.56E-03	2.39E-02	3.78E-03	4.54E-03	4.63E-03	4.72E-01
4776	476863.09	3861377.25	0.09247	0.02854	0.04854	0.05627	0.13844	0.05821	0.0271	0.02854	4.44E-01	1.21E-03	1.16E-07	1.36E-03	2.99E-02	3.77E-03	4.43E-03	4.47E-03	4.80E-01
4777	477363.09	3861377.25	0.09233	0.02733	0.05003	0.05816	0.17853	0.05616	0.0272	0.02733	4.43E-01	1.16E-03	1.20E-07	1.41E-03	3.85E-02	3.63E-03	4.44E-03	4.28E-03	4.88E-01
4778	477863.09	3861377.25	0.09778	0.02303	0.03989	0.05318	0.17623	0.04565	0.0253	0.02303	4.69E-01	9.80E-04	9.57E-08	1.29E-03	3.80E-02	2.95E-03	4.13E-03	3.61E-03	5.13E-01
4779	478363.09	3861377.25	0.07443	0.02047	0.02935	0.03522	0.13908	0.03778	0.0206	0.02047	3.57E-01	8.71E-04	7.04E-08	8.53E-04	3.00E-02	2.44E-03	3.37E-03	3.21E-03	3.92E-01
4780	478863.09	3861377.25	0.08599	0.02171	0.03563	0.04378	0.1564	0.0415	0.0214	0.02171	4.13E-01	9.24E-04	8.55E-08	1.06E-03	3.37E-02	2.69E-03	3.50E-03	3.40E-03	4.51E-01
4781	479363.09	3861377.25	0.10417	0.02878	0.06384	0.05043	0.21629	0.0637	0.0288	0.02878	5.00E-01	1.22E-03	1.53E-07	1.22E-03	4.66E-02	4.12E-03	4.70E-03	4.51E-03	5.53E-01
4782	479863.09	3861377.25	0.09817	0.03774	0.08766	0.06466	0.19557	0.08318	0.038	0.03774	4.71E-01	1.61E-03	2.10E-07	1.57E-03	4.22E-02	5.38E-03	6.20E-03	5.91E-03	5.22E-01
4783	480363.09	3861377.25	0.09293	0.04249	0.09012	0.06686	0.22451	0.09893	0.042	0.04249	4.46E-01	1.81E-03	2.16E-07	1.62E-03	4.84E-02	6.40E-03	6.85E-03	6.66E-03	5.04E-01
4784	480863.09	3861377.25	0.09197	0.04454	0.08378	0.07615	0.26189	0.1036	0.0432	0.04454	4.41E-01	1.90E-03	2.01E-07	1.84E-03	5.65E-02	6.70E-03	7.04E-03	6.98E-03	5.08E-01

4785	481363.09	3861377.25	0.09669	0.04621	0.1014	0.0837	0.25217	0.10941	0.0444	0.04621	4.64E-01	1.97E-03	2.43E-07	2.03E-03	5.44E-02	7.08E-03	7.25E-03	7.24E-03	5.29E-01
4786	481863.09	3861377.25	0.0962	0.04782	0.11134	0.08314	0.28222	0.11347	0.0456	0.04782	4.62E-01	2.03E-03	2.67E-07	2.01E-03	6.09E-02	7.34E-03	7.44E-03	7.49E-03	5.34E-01
4787	482363.09	3861377.25	0.10083	0.04896	0.0933	0.08881	0.31973	0.12048	0.0469	0.04896	4.84E-01	2.08E-03	2.24E-07	2.15E-03	6.90E-02	7.80E-03	7.65E-03	7.67E-03	5.65E-01
4788	482863.09	3861377.25	0.11504	0.04961	0.14129	0.09497	0.2723	0.12381	0.0482	0.04961	5.52E-01	2.11E-03	3.39E-07	2.30E-03	5.87E-02	8.01E-03	7.87E-03	7.77E-03	6.23E-01
4789	483363.09	3861377.25	0.11068	0.0508	0.10936	0.10219	0.21941	0.13453	0.0498	0.0508	5.31E-01	2.16E-03	2.62E-07	2.48E-03	4.73E-02	8.70E-03	8.13E-03	7.96E-03	5.92E-01
4790	483863.09	3861377.25	0.1151	0.04977	0.12965	0.10415	0.21751	0.151	0.0497	0.04977	5.52E-01	2.12E-03	3.11E-07	2.52E-03	4.69E-02	9.77E-03	8.11E-03	7.80E-03	6.14E-01
4791	484363.09	3861377.25	0.11649	0.05335	0.11839	0.10774	0.22638	0.14926	0.0521	0.05335	5.59E-01	2.27E-03	2.84E-07	2.61E-03	4.88E-02	9.66E-03	8.50E-03	8.36E-03	6.23E-01
4792	484863.09	3861377.25	0.11483	0.05535	0.12866	0.12416	0.26215	0.14521	0.0538	0.05535	5.51E-01	2.36E-03	3.09E-07	3.01E-03	5.65E-02	9.40E-03	8.79E-03	8.67E-03	6.22E-01
4793	485363.09	3861377.25	0.11211	0.05538	0.16725	0.13457	0.37095	0.16165	0.0533	0.05538	5.38E-01	2.36E-03	4.01E-07	3.26E-03	8.00E-02	1.05E-02	8.70E-03	8.68E-03	6.34E-01
4794	485863.09	3861377.25	0.11543	0.05672	0.13868	0.14659	0.25239	0.15726	0.055	0.05672	5.54E-01	2.41E-03	3.33E-07	3.55E-03	5.44E-02	1.02E-02	8.97E-03	8.89E-03	6.25E-01
4795	486363.09	3861377.25	0.12109	0.05859	0.09224	0.15346	0.20979	0.1616	0.0575	0.05859	5.81E-01	2.49E-03	2.21E-07	3.72E-03	4.52E-02	1.05E-02	9.39E-03	9.18E-03	6.43E-01
4796	486863.09	3861377.25	0.12772	0.0643	0.13979	0.13198	0.25967	0.15907	0.0608	0.0643	6.13E-01	2.74E-03	3.35E-07	3.20E-03	5.60E-02	1.03E-02	9.93E-03	1.01E-02	6.85E-01
4797	487363.09	3861377.25	0.12655	0.06895	0.16213	0.15845	0.16277	0.18126	0.0644	0.06895	6.07E-01	2.93E-03	3.89E-07	3.84E-03	3.51E-02	1.17E-02	1.05E-02	1.08E-02	6.61E-01
4798	487863.09	3861377.25	0.14953	0.08394	0.1126	0.19519	0.23391	0.15608	0.0674	0.08394	7.18E-01	3.57E-03	2.70E-07	4.73E-03	5.04E-02	1.01E-02	1.10E-02	1.31E-02	7.84E-01
4799	488363.09	3861377.25	0.22015	0.08847	0.15007	0.24326	0.13743	0.21287	0.0812	0.08847	1.06E+00	3.76E-03	3.60E-07	5.89E-03	2.96E-02	1.38E-02	1.33E-02	1.39E-02	1.11E+00
4800	488863.09	3861377.25	0.20341	0.09579	0.16595	0.4174	0.07245	0.21156	0.0955	0.09579	9.76E-01	4.08E-03	3.98E-07	1.01E-02	1.56E-02	1.37E-02	1.56E-02	1.50E-02	1.02E+00
4801	489363.09	3861377.25	0.21161	0.10102	0.12827	0.59104	0.17239	0.19715	0.1018	0.10102	1.02E+00	4.30E-03	3.08E-07	1.43E-02	3.72E-02	1.28E-02	1.66E-02	1.58E-02	1.08E+00
4802	489863.09	3861377.25	0.18188	0.10761	0.13262	0.24366	0.30693	0.18923	0.1101	0.10761	8.73E-01	4.58E-03	3.18E-07	5.90E-03	6.62E-02	1.22E-02	1.80E-02	1.69E-02	9.63E-01
4803	490363.09	3861377.25	0.1748	0.12149	0.11143	0.17059	0.2428	0.16775	0.1175	0.12149	8.39E-01	5.17E-03	2.67E-07	4.13E-03	5.24E-02	1.09E-02	1.92E-02	1.90E-02	9.12E-01
4804	490863.09	3861377.25	0.15232	0.14672	0.20268	0.15536	0.33406	0.13857	0.1282	0.14672	7.31E-01	6.24E-03	4.86E-07	3.76E-03	7.20E-02	8.97E-03	2.09E-02	2.30E-02	8.20E-01
4805	491363.09	3861377.25	0.1476	0.17352	0.17177	0.14931	0.1862	0.15155	0.1741	0.17352	7.08E-01	7.38E-03	4.12E-07	3.62E-03	4.02E-02	9.81E-03	2.84E-02	2.72E-02	7.71E-01
4806	491863.09	3861377.25	0.15436	0.20974	0.1613	0.17953	0.20325	0.16187	0.2316	0.20974	7.41E-01	8.92E-03	3.87E-07	4.35E-03	4.38E-02	1.05E-02	3.78E-02	3.29E-02	8.13E-01
4807	492363.09	3861377.25	0.155	0.33749	0.14656	0.18192	0.16656	0.16709	0.3405	0.33749	7.44E-01	1.44E-02	3.52E-07	4.41E-03	3.59E-02	1.08E-02	5.56E-02	5.29E-02	8.12E-01
4808	492863.09	3861377.25	0.1595	0.78967	0.10649	0.17223	0.20268	0.17323	0.7958	0.78967	7.65E-01	3.36E-02	2.55E-07	4.17E-03	4.37E-02	1.12E-02	1.30E-01	1.24E-01	8.64E-01
4809	493363.09	3861377.25	0.13301	1.05284	0.09219	0.23311	0.17328	0.19668	1.0062	1.05284	6.38E-01	4.48E-02	2.21E-07	5.65E-03	3.74E-02	1.27E-02	1.64E-01	1.65E-01	7.38E-01
4810	493863.09	3861377.25	0.10079	0.47013	0.10689	0.17105	0.22305	0.13998	0.4617	0.47013	4.84E-01	2.00E-02	2.56E-07	4.14E-03	4.81E-02	9.06E-03	7.54E-02	7.36E-02	5.67E-01
4811	494363.09	3861377.25	0.1089	0.32236	0.12087	0.15573	0.26164	0.16576	0.3199	0.32236	5.23E-01	1.37E-02	2.90E-07	3.77E-03	5.64E-02	1.07E-02	5.22E-02	5.05E-02	6.09E-01
4812	494863.09	3861377.25	0.10255	0.24431	0.13511	0.14469	0.17647	0.14128	0.2447	0.24431	4.92E-01	1.04E-02	3.24E-07	3.51E-03	3.81E-02	9.14E-03	3.99E-02	3.83E-02	5.55E-01
4813	495363.09	3861377.25	0.10176	0.2071	0.1048	0.13444	0.14487	0.17791	0.207	0.2071	4.88E-01	8.81E-03	2.51E-07	3.26E-03	3.12E-02	1.15E-02	3.38E-02	3.24E-02	5.45E-01
4814	495863.09	3861377.25	0.09189	0.17925	0.10763	0.11888	0.12737	0.16012	0.1796	0.17925	4.41E-01	7.63E-03	2.58E-07	2.88E-03	2.75E-02	1.04E-02	2.93E-02	2.81E-02	4.91E-01
4815	496363.09	3861377.25	0.0931	0.14739	0.12319	0.10918	0.13303	0.16058	0.1425	0.14739	4.47E-01	6.27E-03	2.95E-07	2.65E-03	2.87E-02	1.04E-02	2.33E-02	2.31E-02	4.95E-01
4816	496863.09	3861377.25	0.09653	0.10968	0.10994	0.10976	0.11899	0.15126	0.1048	0.10968	4.63E-01	4.67E-03	2.64E-07	2.66E-03	2.57E-02	9.79E-03	1.71E-02	1.72E-02	5.06E-01
4817	497363.09	3861377.25	0.09487	0.09498	0.11128	0.10804	0.13205	0.14557	0.0912	0.09498	4.55E-01	4.04E-03	2.67E-07	2.62E-03	2.85E-02	9.42E-03	1.49E-02	1.49E-02	5.00E-01
4818	497863.09	3861377.25	0.09182	0.08358	0.09967	0.09977	0.15064	0.13096	0.0795	0.08358	4.41E-01	3.56E-03	2.39E-07	2.42E-03	3.25E-02	8.47E-03	1.30E-02	1.31E-02	4.87E-01
4819	498363.09	3861377.25	0.0866	0.07572	0.09222	0.09639	0.16789	0.13024	0.073	0.07572	4.16E-01	3.22E-03	2.21E-07	2.34E-03	3.62E-02	8.43E-03	1.19E-02	1.19E-02	4.66E-01
4820	471363.09	3861877.25	0.07054	0.02739	0.04052	0.05612	0.0988	0.05768	0.0244	0.02739	3.39E-01	1.17E-03	9.72E-08	1.36E-03	2.13E-02	3.73E-03	3.99E-03	4.29E-03	3.66E-01
4821	471863.09	3861877.25	0.07299	0.02767	0.04482	0.05904	0.07564	0.05816	0.0249	0.02767	3.50E-01	1.18E-03	1.07E-07	1.43E-03	1.63E-02	3.76E-03	4.06E-03	4.33E-03	3.73E-01
4822	472363.09	3861877.25	0.07399	0.02804	0.04997	0.05922	0.09225	0.05909	0.0255	0.02804	3.55E-01	1.19E-03	1.20E-07	1.43E-03	1.99E-02	3.82E-03	4.16E-03	4.39E-03	3.81E-01
4823	472863.09	3861877.25	0.07469	0.02838	0.04569	0.05944	0.10616	0.06047	0.0262	0.02838	3.58E-01	1.21E-03	1.10E-07	1.44E-03	2.29E-02	3.91E-03	4.28E-03	4.45E-03	3.88E-01
4824	473363.09	3861877.25	0.0758	0.02893	0.04139	0.06137	0.09133	0.06177	0.027	0.02893	3.64E-01	1.23E-03	9.93E-08	1.49E-03	1.97E-02	4.00E-03	4.40E-03	4.53E-03	3.90E-01
4825	473863.09	3861877.25	0.07748	0.02995	0.04679	0.06033	0.08829	0.06256	0.0277	0.02995	3.72E-01	1.27E-03	1.12E-07	1.46E-03	1.90E-02	4.05E-03	4.52E-03	4.69E-03	3.97E-01
4826	474363.09	3861877.25	0.07741	0.03054	0.04514	0.05995	0.08875	0.06359	0.0286	0.03054	3.71E-01	1.30E-03	1.08E-07	1.45E-03	1.91E-02	4.11E-03	4.67E-03	4.78E-03	3.97E-01
4827	474863.09	3861877.25	0.07727	0.0311	0.04459	0.0564	0.09519	0.06403	0.0296	0.0311	3.71E-01	1.32E-03	1.07E-07	1.37E-03	2.05E-02	4.14E-03	4.82E-03	4.87E-03	3.98E-01
4828	475363.09	3861877.25	0.07674	0.03181	0.05617	0.0577	0.11951	0.06567	0.0306	0.03181	3.68E-01	1.35E-03	1.35E-07	1.40E-03	2.58E-02	4.25E-03	5.00E-03	4.98E-03	4.01E-01
4829	475863.09	3861877.25	0.07587	0.03268	0.05325	0.06001	0.14472	0.0709	0.0318	0.03268	3.64E-01	1.39E-03	1.28E-07	1.45E-03	3.12E-02	4.59E-03	5.20E-03	5.12E-03	4.03E-01
4830	476363.09	3861877.25	0.07607	0.03331	0.05668	0.06647	0.17287	0.07284	0.0328	0.03331	3.65E-01	1.42E-03	1.36E-07	1.61E-03	3.73E-02	4.71E-03	5.36E-03	5.22E-03	4.10E-01
4831	476863.09	3861877.25	0.07662	0.03325	0.06763	0.06721	0.16924	0.07418	0.0331	0.03325	3.68E-01	1.41E-03	1.62E-07	1.63E-03	3.65E-02	4.80E-03	5.40E-03	5.21E-03	4.12E-01
4832	477363.09	3861877.25	0.09041	0.03238	0.0589	0.06343	0.16307	0.06976	0.0324	0.03238	4.34E-01	1.38E-03	1.41E-07	1.54E-03	3.52E-02	4.51E-03	5.30E-03	5.07E-03	4.77E-01
4833	477863.09	3861877.25	0.08803	0.02313	0.03854	0.04368	0.18508	0.04994	0.0252	0.02313	4.22E-01	9.84E-04	9.24E-08	1.06E-03	3.99E-02	3.23E-03	4.12E-03	3.62E-03	4.68E-01
4834	478363.09	3861877.25	0.05583	0.0164	0.02999	0.03001	0.11062	0.02982	0.0182	0.0164	2.68E-01	6.98E-04	7.19E-08	7.27E-04	2.39E-02	1.93E-03	2.98E-03	2.57E-03	2.96E-01
4835	478863.09	3861877.25	0.09086	0.01935	0.03981	0.04018	0.10096	0.04338	0.0225	0.01935	4.36E-01	8.23E-04	9.55E-08	9.73E-04	2.18E-02	2.81E-03	3.67E-03	3.03E-03	4.63E-01
4836	479363.09	3861877.25	0.07874	0.01853	0.03336	0.04014	0.15441	0.04222	0.0214	0.01853	3.78E-01	7.88E-04	8.00E-08	9.72E-04	3.33E-02	2.73E-03	3.50E-03	2.90E-03	4.16E-01
4837	479863.09	3861877.25	0.08632	0.03683	0.06499	0.0616	0.22068	0.07858	0.0374	0.03683	4.14E-01	1.57E-03	1.56E-07	1.49E-03	4.76E-02	5.08E-03	6.10E-03	5.77E-03	4.70E-01
4838	480363.09	3861877.25	0.08596	0.04113	0.05948	0.06389	0.25624	0.09925	0.0416	0.04113	4.13E-01	1.75E-03	1.43E-07	1.55E-03	5.53E-02	6.42E-03	6.79E-03	6.44E-03	4.78E-01
4839	480863.09	3861877.25	0.08996	0.04152	0.09669	0.07593	0.20084	0.10754	0.0419	0.04152	4.32E-01	1.77E-03	2.32E-07	1.84E-03	4.33E-02	6.96E-03	6.84E-03	6.50E-03	4.86E-01
4840	481363.09	3861877.25	0.08776	0.04163	0.0909	0.07933	0.28561	0.10701	0.0419	0.04163	4.21E-01	1.77E-03	2.18E-07	1.92E-03	6.16E-02	6.92E-03	6.85E-03	6.52E-03	4.94E-01
4841	481863.09	3861877.25	0.08691	0.04168	0.08197	0.08383	0.26396	0.10774	0.042	0.04168	4.17E-01	1.77E-03	1.97E-07	2.03E-03	5.69E-02	6.97E-03	6.85E-03	6.53E-03	4.85E-01

4842	482363.09	3861877.25	0.10114	0.04198	0.09873	0.08858	0.2407	0.11436	0.0423	0.04198	4.85E-01	1.79E-03	2.37E-07	2.15E-03	5.19E-02	7.40E-03	6.90E-03	6.58E-03	5.49E-01
4843	482863.09	3861877.25	0.10352	0.0421	0.12002	0.08584	0.17304	0.11326	0.0406	0.0421	4.97E-01	1.79E-03	2.88E-07	2.08E-03	3.73E-02	7.33E-03	6.62E-03	6.60E-03	5.45E-01
4844	483363.09	3861877.25	0.10093	0.04283	0.10382	0.08547	0.1742	0.11532	0.0413	0.04283	4.84E-01	1.82E-03	2.49E-07	2.07E-03	3.76E-02	7.46E-03	6.75E-03	6.71E-03	5.33E-01
4845	483863.09	3861877.25	0.10587	0.04454	0.1265	0.10256	0.20388	0.1148	0.0445	0.04454	5.08E-01	1.90E-03	3.03E-07	2.48E-03	4.40E-02	7.43E-03	7.26E-03	6.98E-03	5.64E-01
4846	484363.09	3861877.25	0.109	0.04778	0.09647	0.11353	0.21129	0.11209	0.0467	0.04778	5.23E-01	2.03E-03	2.31E-07	2.75E-03	4.56E-02	7.25E-03	7.63E-03	7.48E-03	5.81E-01
4847	484863.09	3861877.25	0.10223	0.05133	0.12399	0.12224	0.32218	0.11103	0.0506	0.05133	4.91E-01	2.18E-03	2.97E-07	2.96E-03	6.95E-02	7.18E-03	8.25E-03	8.04E-03	5.73E-01
4848	485363.09	3861877.25	0.10395	0.05131	0.11987	0.12641	0.28181	0.11656	0.0506	0.05131	4.99E-01	2.18E-03	2.87E-07	3.06E-03	6.08E-02	7.54E-03	8.26E-03	8.04E-03	5.73E-01
4849	485863.09	3861877.25	0.10188	0.05335	0.10555	0.11564	0.22709	0.12987	0.0529	0.05335	4.89E-01	2.27E-03	2.53E-07	2.80E-03	4.90E-02	8.40E-03	8.64E-03	8.36E-03	5.52E-01
4850	486363.09	3861877.25	0.10229	0.05625	0.11702	0.11467	0.12292	0.13383	0.0557	0.05625	4.91E-01	2.39E-03	2.81E-07	2.78E-03	2.65E-02	8.66E-03	9.10E-03	8.81E-03	5.32E-01
4851	486863.09	3861877.25	0.09806	0.05648	0.16118	0.13643	0.18532	0.11934	0.0563	0.05648	4.71E-01	2.40E-03	3.87E-07	3.31E-03	4.00E-02	7.72E-03	9.19E-03	8.85E-03	5.24E-01
4852	487363.09	3861877.25	0.1019	0.06078	0.11861	0.15265	0.15197	0.13372	0.0605	0.06078	4.89E-01	2.59E-03	2.84E-07	3.70E-03	3.28E-02	8.65E-03	9.87E-03	9.52E-03	5.37E-01
4853	487863.09	3861877.25	0.12644	0.06476	0.10759	0.16286	0.18994	0.11928	0.0647	0.06476	6.07E-01	2.76E-03	2.58E-07	3.95E-03	4.10E-02	7.72E-03	1.06E-02	1.01E-02	6.63E-01
4854	488363.09	3861877.25	0.13177	0.07187	0.17684	0.21857	0.13953	0.15039	0.0677	0.07187	6.32E-01	3.06E-03	4.24E-07	5.30E-03	3.01E-02	9.73E-03	1.11E-02	1.13E-02	6.80E-01
4855	488863.09	3861877.25	0.15193	0.0761	0.10912	0.37593	0.04436	0.17365	0.0745	0.0761	7.29E-01	3.24E-03	2.62E-07	9.11E-03	9.57E-03	1.12E-02	1.22E-02	1.19E-02	7.62E-01
4856	489363.09	3861877.25	0.15693	0.07905	0.09519	0.54746	0.06383	0.16625	0.0792	0.07905	7.53E-01	3.36E-03	2.28E-07	1.33E-02	1.38E-02	1.08E-02	1.29E-02	1.24E-02	7.95E-01
4857	489863.09	3861877.25	0.17669	0.08655	0.09248	0.2369	0.17284	0.13391	0.0866	0.08655	8.48E-01	3.68E-03	2.22E-07	5.74E-03	3.73E-02	8.66E-03	1.41E-02	1.36E-02	9.04E-01
4858	490363.09	3861877.25	0.15244	0.10041	0.07047	0.16034	0.27321	0.11135	0.1011	0.10041	7.32E-01	4.27E-03	1.69E-07	3.88E-03	5.89E-02	7.20E-03	1.65E-02	1.57E-02	8.07E-01
4859	490863.09	3861877.25	0.14024	0.11028	0.12397	0.13406	0.22643	0.12708	0.111	0.11028	6.73E-01	4.69E-03	2.97E-07	3.25E-03	4.88E-02	8.22E-03	1.81E-02	1.73E-02	7.39E-01
4860	491363.09	3861877.25	0.13423	0.13404	0.1088	0.12764	0.25748	0.13571	0.1329	0.13404	6.44E-01	5.70E-03	2.61E-07	3.09E-03	5.55E-02	8.78E-03	2.17E-02	2.10E-02	7.18E-01
4861	491863.09	3861877.25	0.12669	0.15731	0.13584	0.11678	0.13955	0.11659	0.1556	0.15731	6.08E-01	6.69E-03	3.26E-07	2.83E-03	3.01E-02	7.54E-03	2.54E-02	2.46E-02	6.56E-01
4862	492363.09	3861877.25	0.13291	0.18199	0.09808	0.14199	0.16322	0.12115	0.1896	0.18199	6.38E-01	7.74E-03	2.35E-07	3.44E-03	3.52E-02	7.84E-03	3.09E-02	2.85E-02	6.94E-01
4863	492863.09	3861877.25	0.13457	0.21286	0.13082	0.14658	0.14493	0.13663	0.215	0.21286	6.46E-01	9.06E-03	3.14E-07	3.55E-03	3.13E-02	8.84E-03	3.51E-02	3.33E-02	7.00E-01
4864	493363.09	3861877.25	0.13506	0.29767	0.09661	0.13453	0.20087	0.11774	0.3016	0.29767	6.48E-01	1.27E-02	2.32E-07	3.26E-03	4.33E-02	7.62E-03	4.92E-02	4.66E-02	7.18E-01
4865	493863.09	3861877.25	0.11995	0.39438	0.07798	0.1348	0.144	0.12917	0.3997	0.39438	5.76E-01	1.68E-02	1.87E-07	3.27E-03	3.11E-02	8.36E-03	6.52E-02	6.18E-02	6.39E-01
4866	494363.09	3861877.25	0.09566	0.54285	0.0756	0.1698	0.13755	0.12535	0.5187	0.54285	4.59E-01	2.31E-02	1.81E-07	4.11E-03	2.97E-02	8.11E-03	8.47E-02	8.50E-02	5.24E-01
4867	494863.09	3861877.25	0.09445	1.24478	0.08957	0.12413	0.22743	0.10207	1.288	1.24478	4.53E-01	5.30E-02	2.15E-07	3.01E-03	4.91E-02	6.60E-03	2.10E-01	1.95E-01	5.80E-01
4868	495363.09	3861877.25	0.08974	0.8223	0.08922	0.10201	0.193	0.11632	0.8176	0.8223	4.31E-01	3.50E-02	2.14E-07	2.47E-03	4.16E-02	7.53E-03	1.33E-01	1.29E-01	5.22E-01
4869	495863.09	3861877.25	0.08739	0.44413	0.09891	0.1233	0.13957	0.10328	0.4487	0.44413	4.19E-01	1.89E-02	2.37E-07	2.99E-03	3.01E-02	6.68E-03	7.32E-02	6.96E-02	4.82E-01
4870	496363.09	3861877.25	0.0883	0.29362	0.09006	0.10917	0.12582	0.11498	0.2978	0.29362	4.24E-01	1.25E-02	2.16E-07	2.64E-03	2.71E-02	7.44E-03	4.86E-02	4.60E-02	4.76E-01
4871	496863.09	3861877.25	0.08722	0.11952	0.09693	0.11471	0.11556	0.13859	0.1135	0.11952	4.19E-01	5.09E-03	2.32E-07	2.78E-03	2.49E-02	8.97E-03	1.85E-02	1.87E-02	4.60E-01
4872	497363.09	3861877.25	0.08147	0.1765	0.0855	0.0961	0.11489	0.11743	0.1765	0.1765	3.91E-01	7.51E-03	2.05E-07	2.33E-03	2.48E-02	7.60E-03	2.88E-02	2.76E-02	4.34E-01
4873	497863.09	3861877.25	0.08105	0.1697	0.09808	0.08922	0.107	0.1248	0.1713	0.1697	3.89E-01	7.22E-03	2.35E-07	2.16E-03	2.31E-02	8.07E-03	2.80E-02	2.66E-02	4.31E-01
4874	498363.09	3861877.25	0.0816	0.15534	0.09314	0.08601	0.10169	0.11243	0.1568	0.15534	3.92E-01	6.61E-03	2.23E-07	2.08E-03	2.19E-02	7.27E-03	2.56E-02	2.43E-02	4.31E-01
4875	471363.09	3862377.25	0.06858	0.02643	0.04342	0.05194	0.0921	0.0555	0.0245	0.02643	3.29E-01	1.12E-03	1.04E-07	1.26E-03	1.99E-02	3.59E-03	4.00E-03	4.14E-03	3.55E-01
4876	471863.09	3862377.25	0.06858	0.02689	0.03436	0.0521	0.0736	0.05623	0.0252	0.02689	3.29E-01	1.14E-03	8.24E-08	1.26E-03	1.59E-02	3.64E-03	4.12E-03	4.21E-03	3.51E-01
4877	472363.09	3862377.25	0.06809	0.02743	0.03658	0.05116	0.07594	0.05727	0.026	0.02743	3.27E-01	1.17E-03	8.77E-08	1.24E-03	1.64E-02	3.71E-03	4.25E-03	4.30E-03	3.49E-01
4878	472863.09	3862377.25	0.06757	0.02798	0.03905	0.05038	0.07184	0.05829	0.0269	0.02798	3.24E-01	1.19E-03	9.37E-08	1.22E-03	1.55E-02	3.77E-03	4.38E-03	4.38E-03	3.46E-01
4879	473363.09	3862377.25	0.06698	0.02839	0.04045	0.05499	0.08395	0.05853	0.0277	0.02839	3.21E-01	1.21E-03	9.70E-08	1.33E-03	1.81E-02	3.79E-03	4.52E-03	4.45E-03	3.46E-01
4880	473863.09	3862377.25	0.06629	0.02858	0.04287	0.0525	0.10148	0.05848	0.0285	0.02858	3.18E-01	1.22E-03	1.03E-07	1.27E-03	2.19E-02	3.78E-03	4.64E-03	4.48E-03	3.46E-01
4881	474363.09	3862377.25	0.06816	0.02948	0.05109	0.05524	0.11299	0.06266	0.0294	0.02948	3.27E-01	1.25E-03	1.23E-07	1.34E-03	2.44E-02	4.05E-03	4.80E-03	4.62E-03	3.58E-01
4882	474863.09	3862377.25	0.06864	0.03046	0.05183	0.05887	0.14501	0.06392	0.0304	0.03046	3.29E-01	1.30E-03	1.24E-07	1.43E-03	3.13E-02	4.14E-03	4.96E-03	4.77E-03	3.68E-01
4883	475363.09	3862377.25	0.06997	0.03127	0.06607	0.06039	0.15554	0.06929	0.0313	0.03127	3.36E-01	1.33E-03	1.58E-07	1.46E-03	3.35E-02	4.48E-03	5.11E-03	4.90E-03	3.77E-01
4884	475863.09	3862377.25	0.07	0.03199	0.07605	0.05836	0.15726	0.07264	0.0322	0.03199	3.36E-01	1.36E-03	1.82E-07	1.41E-03	3.39E-02	4.70E-03	5.25E-03	5.01E-03	3.78E-01
4885	476363.09	3862377.25	0.06986	0.03266	0.06876	0.05245	0.15007	0.07468	0.033	0.03266	3.35E-01	1.39E-03	1.65E-07	1.27E-03	3.24E-02	4.83E-03	5.38E-03	5.12E-03	3.75E-01
4886	476863.09	3862377.25	0.07796	0.03307	0.05141	0.0525	0.16773	0.07618	0.0335	0.03307	3.74E-01	1.41E-03	1.23E-07	1.27E-03	3.62E-02	4.93E-03	5.46E-03	5.18E-03	4.18E-01
4887	477363.09	3862377.25	0.07959	0.0324	0.06003	0.05346	0.16819	0.0743	0.0328	0.0324	3.82E-01	1.38E-03	1.44E-07	1.30E-03	3.63E-02	4.81E-03	5.36E-03	5.08E-03	4.26E-01
4888	477863.09	3862377.25	0.08816	0.02693	0.03595	0.04715	0.10488	0.06153	0.0265	0.02693	4.23E-01	1.15E-03	8.62E-08	1.14E-03	2.26E-02	3.98E-03	4.32E-03	4.22E-03	4.52E-01
4889	478363.09	3862377.25	0.08961	0.02156	0.03687	0.03995	0.15185	0.04964	0.0244	0.02156	4.30E-01	9.17E-04	8.84E-08	9.68E-04	3.28E-02	3.21E-03	3.99E-03	3.38E-03	4.68E-01
4890	478863.09	3862377.25	0.08425	0.02245	0.03579	0.04014	0.14975	0.05108	0.0251	0.02245	4.04E-01	9.55E-04	8.58E-08	9.72E-04	3.23E-02	3.30E-03	4.10E-03	3.52E-03	4.42E-01
4891	479363.09	3862377.25	0.08299	0.02508	0.0414	0.04933	0.24389	0.05816	0.0272	0.02508	3.98E-01	1.07E-03	9.93E-08	1.20E-03	5.26E-02	3.76E-03	4.44E-03	3.93E-03	4.57E-01
4892	479863.09	3862377.25	0.08027	0.03382	0.05867	0.05835	0.19129	0.08435	0.0331	0.03382	3.85E-01	1.44E-03	1.41E-07	1.41E-03	4.13E-02	5.46E-03	5.40E-03	5.30E-03	4.35E-01
4893	480363.09	3862377.25	0.07612	0.03797	0.08035	0.07204	0.20253	0.09141	0.0369	0.03797	3.65E-01	1.62E-03	1.93E-07	1.75E-03	4.37E-02	5.91E-03	6.02E-03	5.95E-03	4.18E-01
4894	480863.09	3862377.25	0.08049	0.03913	0.08131	0.07423	0.25014	0.08868	0.0387	0.03913	3.86E-01	1.66E-03	1.95E-07	1.80E-03	5.39E-02	5.74E-03	6.31E-03	6.13E-03	4.50E-01
4895	481363.09	3862377.25	0.08268	0.04132	0.08253	0.07401	0.23069	0.09255	0.0402	0.04132	3.97E-01	1.76E-03	1.98E-07	1.79E-03	4.98E-02	5.99E-03	6.56E-03	6.47E-03	4.56E-01
4896	481863.09	3862377.25	0.08795	0.04265	0.06881	0.0736	0.20087	0.08848	0.0418	0.04265	4.22E-01	1.81E-03	1.65E-07	1.78E-03	4.33E-02	5.72E-03	6.83E-03	6.68E-03	4.75E-01
4897	482363.09	3862377.25	0.09172	0.04418	0.10153	0.06947	0.14482	0.09795	0.0434	0.04418	4.40E-01	1.88E-03	2.44E-07	1.68E-03	3.12E-02	6.34E-03	7.09E-03	6.92E-03	4.81E-01
4898	482863.09	3862377.25	0.09147	0.04544	0.09512	0.08312	0.14537	0.09719	0.0433	0.04544	4.39E-01	1.93E-03	2.28E-07	2.01E-03	3.14E-02	6.29E-03	7.07E-03	7.12E-03	4.80E-01

4899	483363.09	3862377.25	0.0982	0.04777	0.07697	0.09566	0.18644	0.10208	0.0445	0.04777	4.71E-01	2.03E-03	1.85E-07	2.32E-03	4.02E-02	6.60E-03	7.27E-03	7.48E-03	5.22E-01
4900	483863.09	3862377.25	0.09092	0.04708	0.08658	0.0977	0.17322	0.09306	0.0472	0.04708	4.36E-01	2.00E-03	2.08E-07	2.37E-03	3.74E-02	6.02E-03	7.70E-03	7.38E-03	4.84E-01
4901	484363.09	3862377.25	0.08774	0.04808	0.09364	0.11155	0.21737	0.08687	0.048	0.04808	4.21E-01	2.05E-03	2.25E-07	2.70E-03	4.69E-02	5.62E-03	7.84E-03	7.53E-03	4.79E-01
4902	484863.09	3862377.25	0.08663	0.04969	0.11216	0.1124	0.27164	0.09051	0.0491	0.04969	4.16E-01	2.11E-03	2.69E-07	2.72E-03	5.86E-02	5.86E-03	8.01E-03	7.78E-03	4.85E-01
4903	485363.09	3862377.25	0.09353	0.05074	0.09612	0.10311	0.19759	0.09964	0.0503	0.05074	4.49E-01	2.16E-03	2.31E-07	2.50E-03	4.26E-02	6.45E-03	8.21E-03	7.95E-03	5.03E-01
4904	485863.09	3862377.25	0.0858	0.05175	0.11254	0.10246	0.18156	0.10221	0.0516	0.05175	4.12E-01	2.20E-03	2.70E-07	2.48E-03	3.92E-02	6.61E-03	8.42E-03	8.11E-03	4.63E-01
4905	486363.09	3862377.25	0.07828	0.05468	0.10379	0.11089	0.06433	0.09545	0.0547	0.05468	3.76E-01	2.33E-03	2.49E-07	2.69E-03	1.39E-02	6.18E-03	8.92E-03	8.57E-03	4.01E-01
4906	486863.09	3862377.25	0.08298	0.05988	0.09698	0.11026	0.12933	0.10473	0.0602	0.05988	3.98E-01	2.55E-03	2.33E-07	2.67E-03	2.79E-02	6.78E-03	9.83E-03	9.38E-03	4.39E-01
4907	487363.09	3862377.25	0.09012	0.06347	0.09707	0.12519	0.14256	0.11811	0.0638	0.06347	4.32E-01	2.70E-03	2.33E-07	3.03E-03	3.07E-02	7.64E-03	1.04E-02	9.94E-03	4.77E-01
4908	487863.09	3862377.25	0.10953	0.06892	0.13349	0.1641	0.15643	0.10839	0.0667	0.06892	5.26E-01	2.93E-03	3.20E-07	3.98E-03	3.37E-02	7.01E-03	1.09E-02	1.08E-02	5.73E-01
4909	488363.09	3862377.25	0.09179	0.07237	0.11053	0.20684	0.10364	0.10059	0.0724	0.07237	4.40E-01	3.08E-03	2.65E-07	5.01E-03	2.24E-02	6.51E-03	1.18E-02	1.13E-02	4.78E-01
4910	488863.09	3862377.25	0.13249	0.07901	0.05831	0.40133	0.04503	0.14311	0.0757	0.07901	6.36E-01	3.36E-03	1.40E-07	9.72E-03	9.71E-03	9.26E-03	1.23E-02	1.24E-02	6.68E-01
4911	489363.09	3862377.25	0.1328	0.08216	0.09926	0.56419	0.07121	0.12509	0.0806	0.08216	6.37E-01	3.50E-03	2.38E-07	1.37E-02	1.54E-02	8.09E-03	1.32E-02	1.29E-02	6.78E-01
4912	489863.09	3862377.25	0.14681	0.08665	0.07744	0.2365	0.12755	0.1222	0.0911	0.08665	7.05E-01	3.69E-03	1.86E-07	5.73E-03	2.75E-02	7.91E-03	1.49E-02	1.36E-02	7.51E-01
4913	490363.09	3862377.25	0.15166	0.09237	0.05917	0.16437	0.23892	0.11796	0.0934	0.09237	7.28E-01	3.93E-03	1.42E-07	3.98E-03	5.15E-02	7.63E-03	1.52E-02	1.45E-02	7.96E-01
4914	490863.09	3862377.25	0.13204	0.09775	0.06855	0.13078	0.18017	0.10119	0.0983	0.09775	6.34E-01	4.16E-03	1.64E-07	3.17E-03	3.89E-02	6.55E-03	1.60E-02	1.53E-02	6.87E-01
4915	491363.09	3862377.25	0.12517	0.1069	0.10878	0.11905	0.21514	0.11325	0.1074	0.1069	6.01E-01	4.55E-03	2.61E-07	2.88E-03	4.64E-02	7.33E-03	1.75E-02	1.67E-02	6.63E-01
4916	491863.09	3862377.25	0.12164	0.11648	0.09037	0.10736	0.23988	0.10063	0.1154	0.11648	5.84E-01	4.96E-03	2.17E-07	2.60E-03	5.17E-02	6.51E-03	1.88E-02	1.82E-02	6.50E-01
4917	492363.09	3862377.25	0.11285	0.13245	0.11756	0.10475	0.12074	0.09437	0.1266	0.13245	5.42E-01	5.64E-03	2.82E-07	2.54E-03	2.60E-02	6.11E-03	2.07E-02	2.07E-02	5.82E-01
4918	492863.09	3862377.25	0.11768	0.14284	0.08395	0.11779	0.14177	0.11096	0.1443	0.14284	5.65E-01	6.08E-03	2.01E-07	2.85E-03	3.06E-02	7.18E-03	2.36E-02	2.24E-02	6.13E-01
4919	493363.09	3862377.25	0.12432	0.15328	0.1069	0.11481	0.13805	0.09853	0.1587	0.15328	5.97E-01	6.52E-03	2.56E-07	2.78E-03	2.98E-02	6.38E-03	2.59E-02	2.40E-02	6.44E-01
4920	493863.09	3862377.25	0.12577	0.18528	0.09634	0.1011	0.1732	0.09588	0.18	0.18528	6.04E-01	7.88E-03	2.31E-07	2.45E-03	3.74E-02	6.20E-03	2.94E-02	2.90E-02	6.58E-01
4921	494363.09	3862377.25	0.11827	0.21309	0.06862	0.09858	0.14339	0.10437	0.2122	0.21309	5.68E-01	9.07E-03	1.65E-07	2.39E-03	3.09E-02	6.75E-03	3.46E-02	3.34E-02	6.18E-01
4922	494863.09	3862377.25	0.09112	0.27719	0.06606	0.13172	0.13695	0.11538	0.2668	0.27719	4.37E-01	1.18E-02	1.58E-07	3.19E-03	2.95E-02	7.47E-03	4.36E-02	4.34E-02	4.89E-01
4923	495363.09	3862377.25	0.08108	0.29383	0.06962	0.12027	0.15933	0.09494	0.2896	0.29383	3.89E-01	1.25E-02	1.67E-07	2.91E-03	3.44E-02	6.14E-03	4.73E-02	4.60E-02	4.46E-01
4924	495863.09	3862377.25	0.08906	0.35779	0.07128	0.09146	0.19955	0.08029	0.3608	0.35779	4.27E-01	1.52E-02	1.71E-07	2.22E-03	4.30E-02	5.19E-03	5.89E-02	5.60E-02	4.96E-01
4925	496363.09	3862377.25	0.08464	0.51801	0.07713	0.0757	0.15125	0.0866	0.5224	0.51801	4.06E-01	2.20E-02	1.85E-07	1.83E-03	3.26E-02	5.60E-03	8.53E-02	8.11E-02	4.72E-01
4926	496863.09	3862377.25	0.07927	2.42466	0.07845	0.09652	0.12365	0.08953	2.4194	2.42466	3.80E-01	1.03E-01	1.88E-07	2.34E-03	2.67E-02	5.79E-03	3.95E-01	3.80E-01	5.33E-01
4927	497363.09	3862377.25	0.07372	1.04358	0.08075	0.09289	0.10986	0.07875	1.0541	1.04358	3.54E-01	4.44E-02	1.94E-07	2.25E-03	2.37E-02	5.10E-03	1.72E-01	1.63E-01	4.38E-01
4928	497863.09	3862377.25	0.06512	2.76858	0.07046	0.07311	0.08119	0.09667	2.879	2.76858	3.13E-01	1.18E-01	1.69E-07	1.77E-03	1.75E-02	6.25E-03	4.70E-01	4.34E-01	4.92E-01
4929	498363.09	3862377.25	0.06913	0.68878	0.06465	0.06653	0.08147	0.0981	0.6908	0.68878	3.32E-01	2.93E-02	1.55E-07	1.61E-03	1.76E-02	6.35E-03	1.13E-01	1.08E-01	3.91E-01
4930	471363.09	3862877.25	0.05957	0.02657	0.03332	0.04875	0.05912	0.04729	0.0258	0.02657	2.86E-01	1.13E-03	7.99E-08	1.18E-03	1.28E-02	3.06E-03	4.20E-03	4.16E-03	3.04E-01
4931	471863.09	3862877.25	0.05873	0.02716	0.03033	0.04626	0.07489	0.04889	0.0265	0.02716	2.82E-01	1.16E-03	7.27E-08	1.12E-03	1.62E-02	3.16E-03	4.33E-03	4.25E-03	3.04E-01
4932	472363.09	3862877.25	0.0577	0.02771	0.03685	0.04714	0.07928	0.05218	0.0274	0.02771	2.77E-01	1.18E-03	8.84E-08	1.14E-03	1.71E-02	3.38E-03	4.47E-03	4.34E-03	3.00E-01
4933	472863.09	3862877.25	0.05802	0.02799	0.04122	0.05022	0.09281	0.05568	0.0277	0.02799	2.78E-01	1.19E-03	9.89E-08	1.22E-03	2.00E-02	3.60E-03	4.52E-03	4.38E-03	3.05E-01
4934	473363.09	3862877.25	0.05909	0.02818	0.04528	0.05095	0.11904	0.05933	0.0279	0.02818	2.84E-01	1.20E-03	1.09E-07	1.23E-03	2.57E-02	3.84E-03	4.56E-03	4.41E-03	3.16E-01
4935	473863.09	3862877.25	0.06172	0.0284	0.04798	0.05131	0.12926	0.0628	0.0283	0.0284	2.96E-01	1.21E-03	1.15E-07	1.24E-03	2.79E-02	4.06E-03	4.62E-03	4.45E-03	3.31E-01
4936	474363.09	3862877.25	0.06437	0.02957	0.05211	0.05022	0.14752	0.06688	0.0296	0.02957	3.09E-01	1.26E-03	1.25E-07	1.22E-03	3.18E-02	4.33E-03	4.83E-03	4.63E-03	3.48E-01
4937	474863.09	3862877.25	0.06542	0.03109	0.04286	0.04768	0.14753	0.06822	0.0309	0.03109	3.14E-01	1.32E-03	1.03E-07	1.16E-03	3.18E-02	4.41E-03	5.04E-03	4.87E-03	3.53E-01
4938	475363.09	3862877.25	0.0651	0.03219	0.05554	0.04753	0.1358	0.06814	0.0321	0.03219	3.12E-01	1.37E-03	1.33E-07	1.15E-03	2.93E-02	4.41E-03	5.24E-03	5.04E-03	3.49E-01
4939	475863.09	3862877.25	0.06526	0.03294	0.05645	0.04905	0.14498	0.06747	0.0331	0.03294	3.13E-01	1.40E-03	1.35E-07	1.19E-03	3.13E-02	4.37E-03	5.40E-03	5.16E-03	3.52E-01
4940	476363.09	3862877.25	0.06651	0.03341	0.06464	0.04901	0.14057	0.06842	0.0336	0.03341	3.19E-01	1.42E-03	1.55E-07	1.19E-03	3.03E-02	4.43E-03	5.49E-03	5.23E-03	3.57E-01
4941	476863.09	3862877.25	0.06962	0.03335	0.05817	0.04793	0.12866	0.07111	0.0335	0.03335	3.34E-01	1.42E-03	1.40E-07	1.16E-03	2.77E-02	4.60E-03	5.46E-03	5.22E-03	3.69E-01
4942	477363.09	3862877.25	0.07274	0.0333	0.04848	0.04607	0.1213	0.0725	0.0328	0.0333	3.49E-01	1.42E-03	1.16E-07	1.12E-03	2.62E-02	4.69E-03	5.36E-03	5.22E-03	3.83E-01
4943	477863.09	3862877.25	0.07922	0.03103	0.0581	0.04657	0.14671	0.06672	0.0303	0.03103	3.80E-01	1.32E-03	1.39E-07	1.13E-03	3.16E-02	4.32E-03	4.95E-03	4.86E-03	4.19E-01
4944	478363.09	3862877.25	0.08128	0.02582	0.04909	0.04538	0.16396	0.05235	0.0273	0.02582	3.90E-01	1.10E-03	1.18E-07	1.10E-03	3.54E-02	3.39E-03	4.46E-03	4.04E-03	4.31E-01
4945	478863.09	3862877.25	0.07656	0.02598	0.0467	0.04962	0.20052	0.05618	0.0277	0.02598	3.67E-01	1.11E-03	1.12E-07	1.20E-03	4.32E-02	3.63E-03	4.52E-03	4.07E-03	4.17E-01
4946	479363.09	3862877.25	0.07822	0.02688	0.05062	0.05638	0.16784	0.06187	0.0286	0.02688	3.75E-01	1.14E-03	1.21E-07	1.37E-03	3.62E-02	4.00E-03	4.66E-03	4.21E-03	4.19E-01
4947	479863.09	3862877.25	0.07514	0.0375	0.06298	0.07027	0.20419	0.07585	0.0366	0.0375	3.61E-01	1.60E-03	1.51E-07	1.70E-03	4.40E-02	4.91E-03	5.98E-03	5.87E-03	4.13E-01
4948	480363.09	3862877.25	0.07609	0.03907	0.08414	0.06319	0.22234	0.07909	0.0393	0.03907	3.65E-01	1.66E-03	2.02E-07	1.53E-03	4.80E-02	5.12E-03	6.42E-03	6.12E-03	4.22E-01
4949	480863.09	3862877.25	0.07464	0.04008	0.08446	0.06134	0.20651	0.08013	0.0399	0.04008	3.58E-01	1.71E-03	2.03E-07	1.49E-03	4.45E-02	5.18E-03	6.51E-03	6.28E-03	4.11E-01
4950	481363.09	3862877.25	0.07809	0.0416	0.06692	0.06492	0.16913	0.07844	0.0406	0.0416	3.75E-01	1.77E-03	1.60E-07	1.57E-03	3.65E-02	5.08E-03	6.62E-03	6.52E-03	4.20E-01
4951	481863.09	3862877.25	0.08439	0.0412	0.09026	0.06807	0.13498	0.08754	0.0407	0.0412	4.05E-01	1.75E-03	2.16E-07	1.65E-03	2.91E-02	5.66E-03	6.65E-03	6.45E-03	4.43E-01
4952	482363.09	3862877.25	0.08178	0.04357	0.10063	0.08259	0.12545	0.08575	0.0423	0.04357	3.92E-01	1.85E-03	2.41E-07	2.00E-03	2.71E-02	5.55E-03	6.90E-03	6.83E-03	4.29E-01
4953	482863.09	3862877.25	0.08148	0.04417	0.07011	0.08793	0.16991	0.08603	0.043	0.04417	3.91E-01	1.88E-03	1.68E-07	2.13E-03	3.66E-02	5.57E-03	7.01E-03	6.92E-03	4.37E-01
4954	483363.09	3862877.25	0.0815	0.04535	0.06502	0.0927	0.1346	0.0763	0.0439	0.04535	3.91E-01	1.93E-03	1.56E-07	2.25E-03	2.90E-02	4.94E-03	7.16E-03	7.10E-03	4.29E-01
4955	483863.09	3862877.25	0.07975	0.04576	0.09094	0.10523	0.17763	0.07574	0.0453	0.04576	3.83E-01	1.95E-03	2.18E-07	2.55E-03	3.83E-02	4.90E-03	7.39E-03	7.17E-03	4.31E-01

4956	484363.09	3862877.25	0.08058	0.04788	0.10387	0.09687	0.2709	0.07777	0.0474	0.04788	3.87E-01	2.04E-03	2.49E-07	2.35E-03	5.84E-02	5.03E-03	7.73E-03	7.50E-03	4.55E-01
4957	484863.09	3862877.25	0.07923	0.0521	0.09053	0.09331	0.23224	0.08658	0.0521	0.0521	3.80E-01	2.22E-03	2.17E-07	2.26E-03	5.01E-02	5.60E-03	8.51E-03	8.16E-03	4.41E-01
4958	485363.09	3862877.25	0.07615	0.05439	0.0873	0.08985	0.18113	0.09013	0.0547	0.05439	3.65E-01	2.31E-03	2.09E-07	2.18E-03	3.91E-02	5.83E-03	8.92E-03	8.52E-03	4.15E-01
4959	485863.09	3862877.25	0.06702	0.05688	0.10077	0.09561	0.12525	0.07746	0.057	0.05688	3.22E-01	2.42E-03	2.42E-07	2.32E-03	2.70E-02	5.01E-03	9.31E-03	8.91E-03	3.59E-01
4960	486363.09	3862877.25	0.06856	0.0589	0.07626	0.10092	0.07337	0.08661	0.0592	0.0589	3.29E-01	2.51E-03	1.83E-07	2.44E-03	1.58E-02	5.60E-03	9.66E-03	9.23E-03	3.56E-01
4961	486863.09	3862877.25	0.07293	0.0617	0.10105	0.10655	0.10395	0.09231	0.0621	0.0617	3.50E-01	2.63E-03	2.42E-07	2.58E-03	2.24E-02	5.97E-03	1.01E-02	9.67E-03	3.84E-01
4962	487363.09	3862877.25	0.07376	0.06402	0.08165	0.12329	0.14012	0.09613	0.0644	0.06402	3.54E-01	2.72E-03	1.96E-07	2.99E-03	3.02E-02	6.22E-03	1.05E-02	1.00E-02	3.97E-01
4963	487863.09	3862877.25	0.09081	0.06646	0.10409	0.15725	0.13025	0.07848	0.0669	0.06646	4.36E-01	2.83E-03	2.50E-07	3.81E-03	2.81E-02	5.08E-03	1.09E-02	1.04E-02	4.76E-01
4964	488363.09	3862877.25	0.08518	0.0714	0.11398	0.18411	0.068	0.07265	0.0696	0.0714	4.09E-01	3.04E-03	2.73E-07	4.46E-03	1.47E-02	4.70E-03	1.14E-02	1.12E-02	4.36E-01
4965	488863.09	3862877.25	0.09241	0.07259	0.0613	0.36769	0.05507	0.09155	0.0726	0.07259	4.43E-01	3.09E-03	1.47E-07	8.91E-03	1.19E-02	5.92E-03	1.18E-02	1.14E-02	4.74E-01
4966	489363.09	3862877.25	0.12075	0.07608	0.07081	0.57752	0.05853	0.10972	0.0759	0.07608	5.79E-01	3.24E-03	1.70E-07	1.40E-02	1.26E-02	7.10E-03	1.24E-02	1.19E-02	6.17E-01
4967	489863.09	3862877.25	0.11573	0.07873	0.08654	0.23453	0.06104	0.11898	0.0792	0.07873	5.55E-01	3.35E-03	2.08E-07	5.68E-03	1.32E-02	7.70E-03	1.29E-02	1.23E-02	5.86E-01
4968	490363.09	3862877.25	0.13084	0.08196	0.04974	0.16193	0.12667	0.10815	0.0825	0.08196	6.28E-01	3.49E-03	1.19E-07	3.92E-03	2.73E-02	7.00E-03	1.35E-02	1.28E-02	6.70E-01
4969	490863.09	3862877.25	0.12711	0.08569	0.05418	0.12734	0.23897	0.09885	0.0862	0.08569	6.10E-01	3.65E-03	1.30E-07	3.09E-03	5.15E-02	6.40E-03	1.41E-02	1.34E-02	6.75E-01
4970	491363.09	3862877.25	0.11529	0.08855	0.07004	0.10871	0.15513	0.09006	0.0891	0.08855	5.53E-01	3.77E-03	1.68E-07	2.63E-03	3.35E-02	5.83E-03	1.45E-02	1.39E-02	6.00E-01
4971	491863.09	3862877.25	0.1112	0.0937	0.08132	0.09412	0.23118	0.09221	0.0942	0.0937	5.34E-01	3.99E-03	1.95E-07	2.28E-03	4.99E-02	5.97E-03	1.54E-02	1.47E-02	5.96E-01
4972	492363.09	3862877.25	0.10091	0.10377	0.07664	0.09725	0.19052	0.09446	0.099	0.10377	4.84E-01	4.42E-03	1.84E-07	2.36E-03	4.11E-02	6.11E-03	1.62E-02	1.63E-02	5.38E-01
4973	492863.09	3862877.25	0.1022	0.11355	0.10233	0.09697	0.10396	0.08092	0.1133	0.11355	4.90E-01	4.83E-03	2.45E-07	2.35E-03	2.24E-02	5.24E-03	1.85E-02	1.78E-02	5.26E-01
4974	493363.09	3862877.25	0.1035	0.12866	0.0739	0.10005	0.11924	0.07674	0.1295	0.12866	4.97E-01	5.47E-03	1.77E-07	2.42E-03	2.57E-02	4.97E-03	2.11E-02	2.02E-02	5.36E-01
4975	493863.09	3862877.25	0.11523	0.13632	0.09625	0.0951	0.13465	0.08875	0.1456	0.13632	5.53E-01	5.80E-03	2.31E-07	2.30E-03	2.90E-02	5.74E-03	2.38E-02	2.14E-02	5.98E-01
4976	494363.09	3862877.25	0.11904	0.16665	0.07918	0.09294	0.14202	0.08472	0.1729	0.16665	5.71E-01	7.09E-03	1.90E-07	2.25E-03	3.06E-02	5.48E-03	2.82E-02	2.61E-02	6.19E-01
4977	494863.09	3862877.25	0.11501	0.17585	0.07123	0.08888	0.10307	0.08796	0.1633	0.17585	5.52E-01	7.48E-03	1.71E-07	2.15E-03	2.22E-02	5.69E-03	2.67E-02	2.75E-02	5.89E-01
4978	495363.09	3862877.25	0.09798	0.20395	0.05908	0.09276	0.11667	0.10027	0.2061	0.20395	4.70E-01	8.68E-03	1.42E-07	2.25E-03	2.52E-02	6.49E-03	3.36E-02	3.19E-02	5.14E-01
4979	495863.09	3862877.25	0.08584	0.19484	0.05383	0.11197	0.1092	0.09491	0.1993	0.19484	4.12E-01	8.29E-03	1.29E-07	2.71E-03	2.36E-02	6.14E-03	3.25E-02	3.05E-02	4.55E-01
4980	496363.09	3862877.25	0.07132	0.21816	0.0636	0.09819	0.17846	0.07808	0.222	0.21816	3.42E-01	9.28E-03	1.53E-07	2.38E-03	3.85E-02	5.05E-03	3.62E-02	3.42E-02	4.00E-01
4981	496863.09	3862877.25	0.07922	0.19854	0.06505	0.07652	0.1528	0.0681	0.2088	0.19854	3.80E-01	8.45E-03	1.56E-07	1.85E-03	3.30E-02	4.41E-03	3.41E-02	3.11E-02	4.31E-01
4982	497363.09	3862877.25	0.08067	0.22767	0.06166	0.06646	0.1309	0.06864	0.2232	0.22767	3.87E-01	9.69E-03	1.48E-07	1.61E-03	2.82E-02	4.44E-03	3.64E-02	3.57E-02	4.32E-01
4983	497863.09	3862877.25	0.07328	0.23601	0.07084	0.06739	0.11485	0.07649	0.2433	0.23601	3.52E-01	1.00E-02	1.70E-07	1.63E-03	2.48E-02	4.95E-03	3.97E-02	3.70E-02	3.96E-01
4984	498363.09	3862877.25	0.06909	0.29559	0.06514	0.079	0.09709	0.06211	0.2966	0.29559	3.32E-01	1.26E-02	1.56E-07	1.91E-03	2.09E-02	4.02E-03	4.84E-02	4.63E-02	3.73E-01
4985	471363.09	3863377.25	0.05219	0.02674	0.03436	0.04595	0.08456	0.04995	0.0266	0.02674	2.50E-01	1.14E-03	8.24E-08	1.11E-03	1.82E-02	3.23E-03	4.35E-03	4.19E-03	2.74E-01
4986	471863.09	3863377.25	0.05363	0.02716	0.03829	0.04614	0.09249	0.05341	0.027	0.02716	2.57E-01	1.16E-03	9.18E-08	1.12E-03	1.99E-02	3.46E-03	4.40E-03	4.25E-03	2.83E-01
4987	472363.09	3863377.25	0.05502	0.0274	0.04073	0.04535	0.12321	0.05693	0.0275	0.0274	2.64E-01	1.17E-03	9.77E-08	1.10E-03	2.66E-02	3.68E-03	4.49E-03	4.29E-03	2.97E-01
4988	472863.09	3863377.25	0.05627	0.02797	0.03947	0.04388	0.12867	0.06001	0.0282	0.02797	2.70E-01	1.19E-03	9.47E-08	1.06E-03	2.78E-02	3.88E-03	4.60E-03	4.38E-03	3.04E-01
4989	473363.09	3863377.25	0.05861	0.02862	0.04319	0.0423	0.1383	0.06173	0.0288	0.02862	2.81E-01	1.22E-03	1.04E-07	1.02E-03	2.98E-02	3.99E-03	4.70E-03	4.48E-03	3.18E-01
4990	473863.09	3863377.25	0.06022	0.02929	0.04552	0.04094	0.13507	0.06196	0.0294	0.02929	2.89E-01	1.25E-03	1.09E-07	9.92E-04	2.91E-02	4.01E-03	4.80E-03	4.59E-03	3.25E-01
4991	474363.09	3863377.25	0.06083	0.03014	0.04308	0.04279	0.1241	0.06026	0.03	0.03014	2.92E-01	1.28E-03	1.03E-07	1.04E-03	2.68E-02	3.90E-03	4.90E-03	4.72E-03	3.25E-01
4992	474863.09	3863377.25	0.05947	0.03139	0.05558	0.04107	0.12779	0.05961	0.0309	0.03139	2.85E-01	1.34E-03	1.33E-07	9.95E-04	2.76E-02	3.86E-03	5.04E-03	4.92E-03	3.19E-01
4993	475363.09	3863377.25	0.06024	0.03234	0.06462	0.04036	0.12657	0.06282	0.0312	0.03234	2.89E-01	1.38E-03	1.55E-07	9.78E-04	2.73E-02	4.06E-03	5.09E-03	5.07E-03	3.23E-01
4994	475863.09	3863377.25	0.06138	0.03238	0.05665	0.03922	0.11431	0.06605	0.0321	0.03238	2.95E-01	1.38E-03	1.36E-07	9.50E-04	2.47E-02	4.27E-03	5.24E-03	5.07E-03	3.26E-01
4995	476363.09	3863377.25	0.06556	0.03256	0.04826	0.03917	0.0991	0.06711	0.0323	0.03256	3.15E-01	1.39E-03	1.16E-07	9.49E-04	2.14E-02	4.34E-03	5.26E-03	5.10E-03	3.43E-01
4996	476863.09	3863377.25	0.06748	0.03283	0.04154	0.04446	0.13882	0.06414	0.0325	0.03283	3.24E-01	1.40E-03	9.96E-08	1.08E-03	2.99E-02	4.15E-03	5.31E-03	5.14E-03	3.61E-01
4997	477363.09	3863377.25	0.06634	0.03314	0.04157	0.04706	0.14567	0.05994	0.0329	0.03314	3.18E-01	1.41E-03	9.97E-08	1.14E-03	3.14E-02	3.88E-03	5.37E-03	5.19E-03	3.56E-01
4998	477863.09	3863377.25	0.07082	0.03129	0.06028	0.05349	0.1695	0.05926	0.0317	0.03129	3.40E-01	1.33E-03	1.45E-07	1.30E-03	3.66E-02	3.83E-03	5.17E-03	4.90E-03	3.83E-01
4999	478363.09	3863377.25	0.07049	0.02777	0.0451	0.06136	0.17105	0.05833	0.0278	0.02777	3.38E-01	1.18E-03	1.08E-07	1.49E-03	3.69E-02	3.77E-03	4.54E-03	4.35E-03	3.82E-01
5000	478863.09	3863377.25	0.06902	0.02888	0.06211	0.06185	0.14399	0.05767	0.0287	0.02888	3.31E-01	1.23E-03	1.49E-07	1.50E-03	3.11E-02	3.73E-03	4.68E-03	4.52E-03	3.69E-01
5001	479363.09	3863377.25	0.06867	0.03267	0.05188	0.05822	0.20501	0.06751	0.0331	0.03267	3.30E-01	1.39E-03	1.24E-07	1.41E-03	4.42E-02	4.37E-03	5.40E-03	5.12E-03	3.81E-01
5002	479863.09	3863377.25	0.06921	0.03891	0.06909	0.05311	0.18754	0.0684	0.0377	0.03891	3.32E-01	1.66E-03	1.66E-07	1.29E-03	4.04E-02	4.43E-03	6.15E-03	6.10E-03	3.80E-01
5003	480363.09	3863377.25	0.07059	0.04079	0.07041	0.05361	0.17682	0.06897	0.0375	0.04079	3.39E-01	1.74E-03	1.69E-07	1.30E-03	3.81E-02	4.46E-03	6.12E-03	6.39E-03	3.84E-01
5004	480863.09	3863377.25	0.07126	0.03998	0.07296	0.05692	0.1503	0.07214	0.0376	0.03998	3.42E-01	1.70E-03	1.75E-07	1.38E-03	3.24E-02	4.67E-03	6.14E-03	6.26E-03	3.82E-01
5005	481363.09	3863377.25	0.06854	0.04087	0.07135	0.06694	0.12024	0.07147	0.0387	0.04087	3.29E-01	1.74E-03	1.71E-07	1.62E-03	2.59E-02	4.62E-03	6.32E-03	6.40E-03	3.63E-01
5006	481863.09	3863377.25	0.07663	0.04215	0.06686	0.07418	0.10957	0.07346	0.0411	0.04215	3.68E-01	1.79E-03	1.60E-07	1.80E-03	2.36E-02	4.75E-03	6.72E-03	6.60E-03	4.00E-01
5007	482363.09	3863377.25	0.0741	0.04381	0.08078	0.07399	0.15492	0.07758	0.042	0.04381	3.56E-01	1.86E-03	1.94E-07	1.79E-03	3.34E-02	5.02E-03	6.86E-03	6.86E-03	3.98E-01
5008	482863.09	3863377.25	0.07507	0.0448	0.06049	0.08979	0.11165	0.07426	0.0439	0.0448	3.60E-01	1.91E-03	1.45E-07	2.18E-03	2.41E-02	4.80E-03	7.16E-03	7.02E-03	3.93E-01
5009	483363.09	3863377.25	0.07429	0.04636	0.06844	0.08759	0.14915	0.07102	0.0453	0.04636	3.57E-01	1.97E-03	1.64E-07	2.12E-03	3.22E-02	4.60E-03	7.40E-03	7.26E-03	3.98E-01
5010	483863.09	3863377.25	0.07443	0.04763	0.10018	0.08364	0.20802	0.07583	0.0471	0.04763	3.57E-01	2.03E-03	2.40E-07	2.03E-03	4.49E-02	4.91E-03	7.68E-03	7.46E-03	4.11E-01
5011	484363.09	3863377.25	0.06941	0.05039	0.08791	0.07892	0.2242	0.07201	0.0504	0.05039	3.33E-01	2.14E-03	2.11E-07	1.91E-03	4.84E-02	4.66E-03	8.23E-03	7.89E-03	3.90E-01
5012	484863.09	3863377.25	0.06532	0.05306	0.07864	0.08103	0.16072	0.07232	0.0531	0.05306	3.13E-01	2.26E-03	1.89E-07	1.96E-03	3.47E-02	4.68E-03	8.67E-03	8.31E-03	3.57E-01

5013	485363.09	3863377.25	0.05851	0.05508	0.08026	0.08258	0.13681	0.07547	0.055	0.05508	2.81E-01	2.34E-03	1.92E-07	2.00E-03	2.95E-02	4.88E-03	8.98E-03	8.63E-03	3.20E-01
5014	485863.09	3863377.25	0.05991	0.05614	0.07933	0.09151	0.05939	0.0745	0.0564	0.05614	2.88E-01	2.39E-03	1.90E-07	2.22E-03	1.28E-02	4.82E-03	9.20E-03	8.79E-03	3.10E-01
5015	486363.09	3863377.25	0.06068	0.05691	0.06828	0.09419	0.08867	0.079	0.057	0.05691	2.91E-01	2.42E-03	1.64E-07	2.28E-03	1.91E-02	5.11E-03	9.31E-03	8.92E-03	3.21E-01
5016	486863.09	3863377.25	0.07037	0.05819	0.09409	0.09882	0.07426	0.07233	0.0584	0.05819	3.38E-01	2.48E-03	2.26E-07	2.39E-03	1.60E-02	4.68E-03	9.53E-03	9.12E-03	3.64E-01
5017	487363.09	3863377.25	0.06026	0.05885	0.11523	0.12382	0.13722	0.07933	0.0591	0.05885	2.89E-01	2.50E-03	2.76E-07	3.00E-03	2.96E-02	5.13E-03	9.65E-03	9.22E-03	3.30E-01
5018	487863.09	3863377.25	0.0797	0.05926	0.08753	0.13926	0.10963	0.08038	0.0596	0.05926	3.82E-01	2.52E-03	2.10E-07	3.37E-03	2.36E-02	5.20E-03	9.73E-03	9.28E-03	4.18E-01
5019	488363.09	3863377.25	0.07905	0.05956	0.06037	0.17022	0.06109	0.06921	0.0599	0.05956	3.79E-01	2.53E-03	1.45E-07	4.12E-03	1.32E-02	4.48E-03	9.78E-03	9.33E-03	4.04E-01
5020	488863.09	3863377.25	0.07272	0.06537	0.06544	0.31556	0.06379	0.07951	0.0632	0.06537	3.49E-01	2.78E-03	1.57E-07	7.65E-03	1.38E-02	5.14E-03	1.03E-02	1.02E-02	3.78E-01
5021	489363.09	3863377.25	0.09798	0.06761	0.04601	0.55113	0.0308	0.09119	0.0682	0.06761	4.70E-01	2.88E-03	1.10E-07	1.34E-02	6.64E-03	5.90E-03	1.11E-02	1.06E-02	5.00E-01
5022	489863.09	3863377.25	0.09891	0.07028	0.07144	0.1869	0.04333	0.10884	0.0708	0.07028	4.75E-01	2.99E-03	1.71E-07	4.53E-03	9.35E-03	7.04E-03	1.16E-02	1.10E-02	4.99E-01
5023	490363.09	3863377.25	0.11067	0.07334	0.04529	0.12786	0.11333	0.1036	0.0739	0.07334	5.31E-01	3.12E-03	1.09E-07	3.10E-03	2.44E-02	6.70E-03	1.21E-02	1.15E-02	5.69E-01
5024	490863.09	3863377.25	0.12126	0.07704	0.04518	0.10817	0.1682	0.09032	0.0777	0.07704	5.82E-01	3.28E-03	1.08E-07	2.62E-03	3.63E-02	5.84E-03	1.27E-02	1.21E-02	6.31E-01
5025	491363.09	3863377.25	0.11129	0.08419	0.0567	0.09293	0.16815	0.08253	0.0849	0.08419	5.34E-01	3.58E-03	1.36E-07	2.25E-03	3.63E-02	5.34E-03	1.39E-02	1.32E-02	5.82E-01
5026	491863.09	3863377.25	0.09805	0.09392	0.06366	0.08306	0.14648	0.07954	0.0946	0.09392	4.71E-01	4.00E-03	1.53E-07	2.01E-03	3.16E-02	5.15E-03	1.54E-02	1.47E-02	5.14E-01
5027	492363.09	3863377.25	0.10068	0.09071	0.07892	0.08632	0.14957	0.08489	0.0909	0.09071	4.83E-01	3.86E-03	1.89E-07	2.09E-03	3.23E-02	5.49E-03	1.48E-02	1.42E-02	5.27E-01
5028	492863.09	3863377.25	0.09458	0.09737	0.07681	0.08651	0.14017	0.07578	0.0749	0.09737	4.54E-01	4.14E-03	1.84E-07	2.10E-03	3.02E-02	4.90E-03	1.22E-02	1.53E-02	4.92E-01
5029	493363.09	3863377.25	0.10669	0.07644	0.09507	0.09291	0.0901	0.0781	0.0734	0.07644	5.12E-01	3.25E-03	2.28E-07	2.25E-03	1.94E-02	5.05E-03	1.20E-02	1.20E-02	5.42E-01
5030	493863.09	3863377.25	0.1007	0.08148	0.0688	0.08877	0.10953	0.0741	0.0889	0.08148	4.83E-01	3.47E-03	1.65E-07	2.15E-03	2.36E-02	4.79E-03	1.45E-02	1.28E-02	5.19E-01
5031	494363.09	3863377.25	0.1043	0.09454	0.06657	0.08242	0.13056	0.07688	0.0961	0.09454	5.01E-01	4.02E-03	1.60E-07	2.00E-03	2.82E-02	4.97E-03	1.57E-02	1.48E-02	5.41E-01
5032	494863.09	3863377.25	0.10864	0.08542	0.08345	0.09532	0.11979	0.08082	0.0931	0.08542	5.21E-01	3.63E-03	2.00E-07	2.31E-03	2.58E-02	5.23E-03	1.52E-02	1.34E-02	5.60E-01
5033	495363.09	3863377.25	0.11976	0.10444	0.07927	0.07744	0.11237	0.08263	0.0963	0.10444	5.75E-01	4.44E-03	1.90E-07	1.88E-03	2.42E-02	5.35E-03	1.57E-02	1.64E-02	6.10E-01
5034	495863.09	3863377.25	0.11075	0.09574	0.0569	0.07745	0.10728	0.08891	0.0944	0.09574	5.31E-01	4.07E-03	1.36E-07	1.88E-03	2.31E-02	5.75E-03	1.54E-02	1.50E-02	5.67E-01
5035	496363.09	3863377.25	0.08097	0.14909	0.05183	0.0905	0.10416	0.09447	0.154	0.14909	3.89E-01	6.34E-03	1.24E-07	2.19E-03	2.25E-02	6.11E-03	2.51E-02	2.34E-02	4.27E-01
5036	496863.09	3863377.25	0.07421	0.12398	0.04472	0.10195	0.12329	0.07549	0.1397	0.12398	3.56E-01	5.28E-03	1.07E-07	2.47E-03	2.66E-02	4.88E-03	2.28E-02	1.94E-02	3.99E-01
5037	497363.09	3863377.25	0.06416	0.11209	0.04681	0.07981	0.15476	0.06423	0.1217	0.11209	3.08E-01	4.77E-03	1.12E-07	1.93E-03	3.34E-02	4.16E-03	1.99E-02	1.76E-02	3.54E-01
5038	497863.09	3863377.25	0.07093	0.11023	0.05967	0.06162	0.13271	0.05858	0.1209	0.11023	3.40E-01	4.69E-03	1.43E-07	1.49E-03	2.86E-02	3.79E-03	1.97E-02	1.73E-02	3.81E-01
5039	498363.09	3863377.25	0.07725	0.14435	0.05539	0.05552	0.10276	0.05656	0.141	0.14435	3.71E-01	6.14E-03	1.33E-07	1.35E-03	2.22E-02	3.66E-03	2.30E-02	2.26E-02	4.04E-01
5040	471363.09	3863877.25	0.0501	0.02657	0.03642	0.03949	0.09916	0.0531	0.0264	0.02657	2.40E-01	1.13E-03	8.73E-08	9.57E-04	2.14E-02	3.44E-03	4.30E-03	4.16E-03	2.67E-01
5041	471863.09	3863877.25	0.05084	0.02677	0.03933	0.03758	0.12697	0.0572	0.0265	0.02677	2.44E-01	1.14E-03	9.43E-08	9.10E-04	2.74E-02	3.70E-03	4.33E-03	4.19E-03	2.77E-01
5042	472363.09	3863877.25	0.0544	0.02695	0.039	0.03638	0.13254	0.05737	0.0267	0.02695	2.61E-01	1.15E-03	9.35E-08	8.81E-04	2.86E-02	3.71E-03	4.36E-03	4.22E-03	2.96E-01
5043	472863.09	3863877.25	0.05501	0.02717	0.03975	0.03633	0.1264	0.05604	0.0269	0.02717	2.64E-01	1.16E-03	9.53E-08	8.80E-04	2.73E-02	3.63E-03	4.39E-03	4.26E-03	2.97E-01
5044	473363.09	3863877.25	0.05501	0.02738	0.03954	0.03507	0.11286	0.05385	0.0273	0.02738	2.64E-01	1.16E-03	9.48E-08	8.50E-04	2.43E-02	3.48E-03	4.45E-03	4.29E-03	2.94E-01
5045	473863.09	3863877.25	0.05513	0.02834	0.04836	0.03487	0.11611	0.05298	0.0277	0.02834	2.65E-01	1.21E-03	1.16E-07	8.45E-04	2.50E-02	3.43E-03	4.52E-03	4.44E-03	2.95E-01
5046	474363.09	3863877.25	0.05443	0.02898	0.05494	0.03467	0.11497	0.05253	0.0282	0.02898	2.61E-01	1.23E-03	1.32E-07	8.40E-04	2.48E-02	3.40E-03	4.60E-03	4.54E-03	2.92E-01
5047	474863.09	3863877.25	0.05668	0.02941	0.0523	0.03456	0.10008	0.05381	0.0287	0.02941	2.72E-01	1.25E-03	1.25E-07	8.37E-04	2.16E-02	3.48E-03	4.69E-03	4.61E-03	2.99E-01
5048	475363.09	3863877.25	0.05869	0.0293	0.04425	0.03739	0.08694	0.05626	0.0288	0.0293	2.82E-01	1.25E-03	1.06E-07	9.06E-04	1.88E-02	3.64E-03	4.70E-03	4.59E-03	3.06E-01
5049	475863.09	3863877.25	0.06203	0.02964	0.04028	0.04413	0.11703	0.05773	0.029	0.02964	2.98E-01	1.26E-03	9.66E-08	1.07E-03	2.52E-02	3.74E-03	4.73E-03	4.64E-03	3.29E-01
5050	476363.09	3863877.25	0.06363	0.02989	0.03982	0.04546	0.12244	0.05686	0.0293	0.02989	3.05E-01	1.27E-03	9.55E-08	1.10E-03	2.64E-02	3.68E-03	4.78E-03	4.68E-03	3.38E-01
5051	476863.09	3863877.25	0.06163	0.03051	0.04134	0.04755	0.15418	0.05625	0.0298	0.03051	2.96E-01	1.30E-03	9.91E-08	1.15E-03	3.33E-02	3.64E-03	4.87E-03	4.78E-03	3.35E-01
5052	477363.09	3863877.25	0.05759	0.03117	0.05272	0.04829	0.15626	0.05423	0.0306	0.03117	2.76E-01	1.33E-03	1.26E-07	1.17E-03	3.37E-02	3.51E-03	4.99E-03	4.88E-03	3.16E-01
5053	477863.09	3863877.25	0.05923	0.03132	0.05062	0.04725	0.13332	0.0574	0.0309	0.03132	2.84E-01	1.33E-03	1.21E-07	1.14E-03	2.88E-02	3.71E-03	5.05E-03	4.91E-03	3.19E-01
5054	478363.09	3863877.25	0.0621	0.03084	0.0502	0.05144	0.14833	0.05461	0.0312	0.03084	2.98E-01	1.31E-03	1.20E-07	1.25E-03	3.20E-02	3.53E-03	5.09E-03	4.83E-03	3.36E-01
5055	478863.09	3863877.25	0.06365	0.03538	0.04748	0.04836	0.1937	0.06192	0.0344	0.03538	3.05E-01	1.51E-03	1.14E-07	1.17E-03	4.18E-02	4.01E-03	5.62E-03	5.54E-03	3.54E-01
5056	479363.09	3863877.25	0.06557	0.03746	0.06773	0.04573	0.13866	0.06298	0.036	0.03746	3.15E-01	1.59E-03	1.62E-07	1.11E-03	2.99E-02	4.07E-03	5.88E-03	5.87E-03	3.51E-01
5057	479863.09	3863877.25	0.06298	0.03896	0.07019	0.04917	0.15339	0.06421	0.0373	0.03896	3.02E-01	1.66E-03	1.68E-07	1.19E-03	3.31E-02	4.15E-03	6.09E-03	6.10E-03	3.42E-01
5058	480363.09	3863877.25	0.06196	0.03972	0.06806	0.05515	0.13987	0.06422	0.0392	0.03972	2.97E-01	1.69E-03	1.63E-07	1.34E-03	3.02E-02	4.16E-03	6.39E-03	6.22E-03	3.35E-01
5059	480863.09	3863877.25	0.06562	0.03998	0.05526	0.06717	0.11082	0.06063	0.0401	0.03998	3.15E-01	1.70E-03	1.33E-07	1.63E-03	2.39E-02	3.92E-03	6.55E-03	6.26E-03	3.46E-01
5060	481363.09	3863877.25	0.06754	0.0413	0.0495	0.06633	0.09673	0.05749	0.0407	0.0413	3.24E-01	1.76E-03	1.19E-07	1.61E-03	2.09E-02	3.72E-03	6.64E-03	6.47E-03	3.52E-01
5061	481863.09	3863877.25	0.07153	0.04205	0.05745	0.07552	0.13587	0.0606	0.0417	0.04205	3.43E-01	1.79E-03	1.38E-07	1.83E-03	2.93E-02	3.92E-03	6.81E-03	6.59E-03	3.80E-01
5062	482363.09	3863877.25	0.07046	0.04402	0.06707	0.07588	0.10714	0.06155	0.0423	0.04402	3.38E-01	1.87E-03	1.61E-07	1.84E-03	2.31E-02	3.98E-03	6.90E-03	6.90E-03	3.69E-01
5063	482863.09	3863877.25	0.06944	0.04448	0.06345	0.07279	0.1222	0.06736	0.0438	0.04448	3.33E-01	1.89E-03	1.52E-07	1.76E-03	2.64E-02	4.36E-03	7.15E-03	6.97E-03	3.68E-01
5064	483363.09	3863877.25	0.06918	0.04627	0.0773	0.06827	0.16009	0.06395	0.0457	0.04627	3.32E-01	1.97E-03	1.85E-07	1.65E-03	3.45E-02	4.14E-03	7.46E-03	7.25E-03	3.74E-01
5065	483863.09	3863877.25	0.06723	0.04737	0.09346	0.0729	0.21067	0.06398	0.0474	0.04737	3.23E-01	2.02E-03	2.24E-07	1.77E-03	4.54E-02	4.14E-03	7.73E-03	7.42E-03	3.76E-01
5066	484363.09	3863877.25	0.06273	0.0487	0.07954	0.07333	0.18388	0.06608	0.0487	0.0487	3.01E-01	2.07E-03	1.91E-07	1.78E-03	3.97E-02	4.28E-03	7.94E-03	7.63E-03	3.49E-01
5067	484863.09	3863877.25	0.05232	0.04997	0.06619	0.07375	0.11446	0.064	0.0499	0.04997	2.51E-01	2.13E-03	1.59E-07	1.79E-03	2.47E-02	4.14E-03	8.15E-03	7.83E-03	2.84E-01
5068	485363.09	3863877.25	0.05346	0.05155	0.05267	0.07308	0.10992	0.05786	0.0515	0.05155	2.57E-01	2.19E-03	1.26E-07	1.77E-03	2.37E-02	3.74E-03	8.41E-03	8.08E-03	2.88E-01
5069	485863.09	3863877.25	0.05601	0.05241	0.06106	0.0791	0.04596	0.06434	0.0528	0.05241	2.69E-01	2.23E-03	1.46E-07	1.92E-03	9.91E-03	4.16E-03	8.62E-03	8.21E-03	2.87E-01

5070	486363.09	3863877.25	0.05775	0.053	0.05295	0.0826	0.09904	0.06575	0.0533	0.053	2.77E-01	2.26E-03	1.27E-07	2.00E-03	2.14E-02	4.25E-03	8.70E-03	8.30E-03	3.07E-01
5071	486863.09	3863877.25	0.06332	0.05302	0.11639	0.09923	0.07266	0.07206	0.0533	0.05302	3.04E-01	2.26E-03	2.79E-07	2.40E-03	1.57E-02	4.66E-03	8.70E-03	8.31E-03	3.29E-01
5072	487363.09	3863877.25	0.04915	0.05304	0.07112	0.10585	0.13336	0.0746	0.0533	0.05304	2.36E-01	2.26E-03	1.71E-07	2.56E-03	2.88E-02	4.83E-03	8.71E-03	8.31E-03	2.75E-01
5073	487863.09	3863877.25	0.06436	0.05537	0.06366	0.12112	0.09312	0.07562	0.0555	0.05537	3.09E-01	2.36E-03	1.53E-07	2.93E-03	2.01E-02	4.89E-03	9.06E-03	8.67E-03	3.40E-01
5074	488363.09	3863877.25	0.07246	0.05701	0.07819	0.13926	0.05254	0.0646	0.0573	0.05701	3.48E-01	2.43E-03	1.88E-07	3.37E-03	1.13E-02	4.18E-03	9.35E-03	8.93E-03	3.69E-01
5075	488863.09	3863877.25	0.0615	0.06023	0.05342	0.21119	0.07105	0.0601	0.0596	0.06023	2.95E-01	2.56E-03	1.28E-07	5.12E-03	1.53E-02	3.89E-03	9.73E-03	9.44E-03	3.22E-01
5076	489363.09	3863877.25	0.08186	0.06466	0.03447	0.10657	0.01881	0.09417	0.0627	0.06466	3.93E-01	2.75E-03	8.27E-08	2.58E-03	4.06E-03	6.09E-03	1.02E-02	1.01E-02	4.08E-01
5077	489863.09	3863877.25	0.09502	0.06315	0.05383	0.09816	0.0407	0.09303	0.0635	0.06315	4.56E-01	2.69E-03	1.29E-07	2.38E-03	8.78E-03	6.02E-03	1.04E-02	9.89E-03	4.76E-01
5078	490363.09	3863877.25	0.10288	0.06709	0.04889	0.10877	0.05561	0.08223	0.0605	0.06709	4.94E-01	2.85E-03	1.17E-07	2.64E-03	1.20E-02	5.32E-03	9.87E-03	1.05E-02	5.16E-01
5079	490863.09	3863877.25	0.10823	0.06084	0.03832	0.09153	0.10144	0.0818	0.0603	0.06084	5.19E-01	2.59E-03	9.19E-08	2.22E-03	2.19E-02	5.29E-03	9.84E-03	9.53E-03	5.52E-01
5080	491363.09	3863877.25	0.11154	0.06463	0.04786	0.07867	0.20802	0.08295	0.0636	0.06463	5.35E-01	2.75E-03	1.15E-07	1.91E-03	4.49E-02	5.37E-03	1.04E-02	1.01E-02	5.90E-01
5081	491863.09	3863877.25	0.09873	0.05748	0.08049	0.074	0.14413	0.08341	0.0587	0.05748	4.74E-01	2.45E-03	1.93E-07	1.79E-03	3.11E-02	5.40E-03	9.58E-03	9.00E-03	5.15E-01
5082	492363.09	3863877.25	0.0975	0.05287	0.06627	0.07338	0.1453	0.07542	0.0564	0.05287	4.68E-01	2.25E-03	1.59E-07	1.78E-03	3.13E-02	4.88E-03	9.21E-03	8.28E-03	5.09E-01
5083	492863.09	3863877.25	0.10061	0.05294	0.06795	0.08039	0.143	0.07895	0.0554	0.05294	4.83E-01	2.25E-03	1.63E-07	1.95E-03	3.08E-02	5.11E-03	9.04E-03	8.29E-03	5.24E-01
5084	493363.09	3863877.25	0.09046	0.06359	0.06796	0.08523	0.12442	0.0819	0.0509	0.06359	4.34E-01	2.71E-03	1.63E-07	2.06E-03	2.68E-02	5.30E-03	8.31E-03	9.96E-03	4.69E-01
5085	493863.09	3863877.25	0.097	0.06879	0.08237	0.08558	0.08779	0.07069	0.0579	0.06879	4.65E-01	2.93E-03	1.98E-07	2.07E-03	1.89E-02	4.57E-03	9.46E-03	1.08E-02	4.93E-01
5086	494363.09	3863877.25	0.09635	0.07447	0.06591	0.07684	0.09971	0.06364	0.0793	0.07447	4.62E-01	3.17E-03	1.58E-07	1.86E-03	2.15E-02	4.12E-03	1.30E-02	1.17E-02	4.94E-01
5087	494863.09	3863877.25	0.09062	0.06439	0.05502	0.07696	0.11249	0.07291	0.0766	0.06439	4.35E-01	2.74E-03	1.32E-07	1.86E-03	2.43E-02	4.72E-03	1.25E-02	1.01E-02	4.71E-01
5088	495363.09	3863877.25	0.10204	0.06992	0.07578	0.09255	0.09824	0.07451	0.0756	0.06992	4.90E-01	2.97E-03	1.82E-07	2.24E-03	2.12E-02	4.82E-03	1.23E-02	1.10E-02	5.22E-01
5089	495863.09	3863877.25	0.11056	0.08869	0.06548	0.07106	0.11807	0.08182	0.0695	0.08869	5.31E-01	3.77E-03	1.57E-07	1.72E-03	2.55E-02	5.29E-03	1.13E-02	1.39E-02	5.64E-01
5090	496363.09	3863877.25	0.10754	0.08063	0.06255	0.06876	0.09105	0.07884	0.0759	0.08063	5.16E-01	3.43E-03	1.50E-07	1.67E-03	1.96E-02	5.10E-03	1.24E-02	1.26E-02	5.46E-01
5091	496863.09	3863877.25	0.0889	0.11082	0.04645	0.07019	0.09882	0.08651	0.0937	0.11082	4.27E-01	4.72E-03	1.11E-07	1.70E-03	2.13E-02	5.60E-03	1.53E-02	1.74E-02	4.58E-01
5092	497363.09	3863877.25	0.07814	0.10935	0.04459	0.09022	0.09353	0.07928	0.1132	0.10935	3.75E-01	4.65E-03	1.07E-07	2.19E-03	2.02E-02	5.13E-03	1.85E-02	1.71E-02	4.08E-01
5093	497863.09	3863877.25	0.06765	0.09849	0.04168	0.0806	0.14573	0.06535	0.1102	0.09849	3.25E-01	4.19E-03	1.00E-07	1.95E-03	3.14E-02	4.23E-03	1.80E-02	1.54E-02	3.69E-01
5094	498363.09	3863877.25	0.06122	0.09046	0.03912	0.06291	0.13204	0.05763	0.1019	0.09046	2.94E-01	3.85E-03	9.38E-08	1.52E-03	2.85E-02	3.73E-03	1.66E-02	1.42E-02	3.34E-01
5095	471363.09	3864377.25	0.04924	0.02569	0.03485	0.0314	0.12576	0.04727	0.0256	0.02569	2.36E-01	1.09E-03	8.36E-08	7.61E-04	2.71E-02	3.06E-03	4.18E-03	4.02E-03	2.68E-01
5096	471863.09	3864377.25	0.05157	0.02575	0.03484	0.03233	0.11888	0.04409	0.0256	0.02575	2.47E-01	1.10E-03	8.36E-08	7.83E-04	2.56E-02	2.85E-03	4.17E-03	4.03E-03	2.78E-01
5097	472363.09	3864377.25	0.05284	0.02589	0.03992	0.03305	0.10947	0.04586	0.0256	0.02589	2.54E-01	1.10E-03	9.57E-08	8.01E-04	2.36E-02	2.97E-03	4.18E-03	4.06E-03	2.82E-01
5098	472863.09	3864377.25	0.05268	0.02606	0.03843	0.03331	0.10803	0.04984	0.0257	0.02606	2.53E-01	1.11E-03	9.22E-08	8.07E-04	2.33E-02	3.22E-03	4.20E-03	4.08E-03	2.81E-01
5099	473363.09	3864377.25	0.05067	0.02643	0.0411	0.03267	0.10509	0.05013	0.0259	0.02643	2.43E-01	1.12E-03	9.86E-08	7.91E-04	2.27E-02	3.24E-03	4.22E-03	4.14E-03	2.71E-01
5100	473863.09	3864377.25	0.05057	0.02675	0.04509	0.03358	0.08993	0.05044	0.0261	0.02675	2.43E-01	1.14E-03	1.08E-07	8.14E-04	1.94E-02	3.26E-03	4.26E-03	4.19E-03	2.67E-01
5101	474363.09	3864377.25	0.05404	0.02703	0.03895	0.0375	0.07923	0.04945	0.0264	0.02703	2.59E-01	1.15E-03	9.34E-08	9.09E-04	1.71E-02	3.20E-03	4.31E-03	4.23E-03	2.82E-01
5102	474863.09	3864377.25	0.05603	0.02761	0.03654	0.04039	0.09891	0.04804	0.0268	0.02761	2.69E-01	1.17E-03	8.76E-08	9.79E-04	2.13E-02	3.11E-03	4.38E-03	4.33E-03	2.96E-01
5103	475363.09	3864377.25	0.0594	0.02804	0.0379	0.04037	0.12333	0.0486	0.0273	0.02804	2.85E-01	1.19E-03	9.09E-08	9.78E-04	2.66E-02	3.14E-03	4.46E-03	4.39E-03	3.17E-01
5104	475863.09	3864377.25	0.0602	0.02875	0.03792	0.04565	0.13024	0.04867	0.0288	0.02875	2.89E-01	1.22E-03	9.09E-08	1.11E-03	2.81E-02	3.15E-03	4.70E-03	4.50E-03	3.23E-01
5105	476363.09	3864377.25	0.05843	0.02966	0.0371	0.04609	0.14247	0.04918	0.0298	0.02966	2.80E-01	1.26E-03	8.90E-08	1.12E-03	3.07E-02	3.18E-03	4.86E-03	4.65E-03	3.17E-01
5106	476863.09	3864377.25	0.05468	0.03045	0.04851	0.04466	0.13941	0.05165	0.0297	0.03045	2.62E-01	1.30E-03	1.16E-07	1.08E-03	3.01E-02	3.34E-03	4.84E-03	4.77E-03	2.98E-01
5107	477363.09	3864377.25	0.05647	0.03172	0.04466	0.04387	0.12607	0.05356	0.031	0.03172	2.71E-01	1.35E-03	1.07E-07	1.06E-03	2.72E-02	3.47E-03	5.06E-03	4.97E-03	3.04E-01
5108	477863.09	3864377.25	0.05536	0.03289	0.04663	0.04367	0.15402	0.05313	0.0327	0.03289	2.66E-01	1.40E-03	1.12E-07	1.06E-03	3.32E-02	3.44E-03	5.34E-03	5.15E-03	3.05E-01
5109	478363.09	3864377.25	0.05564	0.03423	0.04695	0.04189	0.15389	0.05571	0.0337	0.03423	2.67E-01	1.46E-03	1.13E-07	1.01E-03	3.32E-02	3.60E-03	5.49E-03	5.36E-03	3.06E-01
5110	478863.09	3864377.25	0.05575	0.03582	0.06128	0.0438	0.12873	0.05843	0.0347	0.03582	2.68E-01	1.52E-03	1.47E-07	1.06E-03	2.78E-02	3.78E-03	5.67E-03	5.61E-03	3.02E-01
5111	479363.09	3864377.25	0.05342	0.03737	0.0594	0.04964	0.1435	0.05813	0.0359	0.03737	2.56E-01	1.59E-03	1.42E-07	1.20E-03	3.09E-02	3.76E-03	5.86E-03	5.85E-03	2.94E-01
5112	479863.09	3864377.25	0.05691	0.03812	0.05574	0.05539	0.13191	0.05472	0.0375	0.03812	2.73E-01	1.62E-03	1.34E-07	1.34E-03	2.84E-02	3.54E-03	6.13E-03	5.97E-03	3.08E-01
5113	480363.09	3864377.25	0.06288	0.039	0.05558	0.05924	0.10212	0.05118	0.0387	0.039	3.02E-01	1.66E-03	1.33E-07	1.44E-03	2.20E-02	3.31E-03	6.31E-03	6.11E-03	3.30E-01
5114	480863.09	3864377.25	0.06166	0.04017	0.04938	0.06278	0.08576	0.05292	0.0395	0.04017	2.96E-01	1.71E-03	1.18E-07	1.52E-03	1.85E-02	3.42E-03	6.45E-03	6.29E-03	3.21E-01
5115	481363.09	3864377.25	0.0624	0.04151	0.04908	0.06355	0.11921	0.05264	0.0409	0.04151	2.99E-01	1.77E-03	1.18E-07	1.54E-03	2.57E-02	3.41E-03	6.67E-03	6.50E-03	3.32E-01
5116	481863.09	3864377.25	0.06468	0.04306	0.05862	0.07211	0.09918	0.05879	0.042	0.04306	3.10E-01	1.83E-03	1.41E-07	1.75E-03	2.14E-02	3.80E-03	6.85E-03	6.75E-03	3.39E-01
5117	482363.09	3864377.25	0.06338	0.0438	0.05115	0.06457	0.10126	0.05772	0.0425	0.0438	3.04E-01	1.86E-03	1.23E-07	1.56E-03	2.18E-02	3.73E-03	6.94E-03	6.86E-03	3.33E-01
5118	482863.09	3864377.25	0.06147	0.04422	0.06312	0.0588	0.14119	0.05593	0.0436	0.04422	2.95E-01	1.88E-03	1.51E-07	1.42E-03	3.05E-02	3.62E-03	7.12E-03	6.93E-03	3.33E-01
5119	483363.09	3864377.25	0.05776	0.04536	0.08722	0.06764	0.19648	0.05984	0.0448	0.04536	2.77E-01	1.93E-03	2.09E-07	1.64E-03	4.24E-02	3.87E-03	7.31E-03	7.11E-03	3.27E-01
5120	483863.09	3864377.25	0.0572	0.04629	0.07618	0.06653	0.17711	0.05575	0.0463	0.04629	2.74E-01	1.97E-03	1.83E-07	1.61E-03	3.82E-02	3.61E-03	7.56E-03	7.25E-03	3.20E-01
5121	484363.09	3864377.25	0.04804	0.0469	0.06428	0.06366	0.13131	0.05553	0.0472	0.0469	2.31E-01	2.00E-03	1.54E-07	1.54E-03	2.83E-02	3.59E-03	7.71E-03	7.35E-03	2.66E-01
5122	484863.09	3864377.25	0.04727	0.04784	0.04876	0.06045	0.1003	0.05327	0.0482	0.04784	2.27E-01	2.04E-03	1.17E-07	1.46E-03	2.16E-02	3.45E-03	7.86E-03	7.49E-03	2.56E-01
5123	485363.09	3864377.25	0.05126	0.04831	0.05997	0.06602	0.0728	0.05199	0.0486	0.04831	2.46E-01	2.06E-03	1.44E-07	1.60E-03	1.57E-02	3.36E-03	7.94E-03	7.57E-03	2.69E-01
5124	485863.09	3864377.25	0.04831	0.04832	0.03474	0.07151	0.03521	0.06187	0.0486	0.04832	2.32E-01	2.06E-03	8.33E-08	1.73E-03	7.59E-03	4.00E-03	7.94E-03	7.57E-03	2.48E-01
5125	486363.09	3864377.25	0.05708	0.04833	0.07892	0.0812	0.0594	0.06444	0.0486	0.04833	2.74E-01	2.06E-03	1.89E-07	1.97E-03	1.28E-02	4.17E-03	7.93E-03	7.57E-03	2.95E-01
5126	486863.09	3864377.25	0.05553	0.04844	0.09525	0.09282	0.07674	0.06751	0.0487	0.04844	2.66E-01	2.06E-03	2.28E-07	2.25E-03	1.66E-02	4.37E-03	7.95E-03	7.59E-03	2.92E-01

5127	487363.09	3864377.25	0.04246	0.04948	0.0528	0.10254	0.12944	0.06979	0.0496	0.04948	2.04E-01	2.11E-03	1.27E-07	2.48E-03	2.79E-02	4.52E-03	8.09E-03	7.75E-03	2.41E-01
5128	487863.09	3864377.25	0.05369	0.04934	0.05451	0.10693	0.08672	0.06447	0.0496	0.04934	2.58E-01	2.10E-03	1.31E-07	2.59E-03	1.87E-02	4.17E-03	8.10E-03	7.73E-03	2.86E-01
5129	488363.09	3864377.25	0.05211	0.05044	0.05658	0.13116	0.04932	0.04914	0.0507	0.05044	2.50E-01	2.15E-03	1.36E-07	3.18E-03	1.06E-02	3.18E-03	8.28E-03	7.90E-03	2.70E-01
5130	488863.09	3864377.25	0.05647	0.05142	0.04568	0.15776	0.06733	0.04561	0.0516	0.05142	2.71E-01	2.19E-03	1.10E-07	3.82E-03	1.45E-02	2.95E-03	8.43E-03	8.06E-03	2.95E-01
5131	489363.09	3864377.25	0.06714	0.05226	0.0395	0.08988	0.02055	0.06472	0.0483	0.05226	3.22E-01	2.22E-03	9.47E-08	2.18E-03	4.43E-03	4.19E-03	7.89E-03	8.19E-03	3.35E-01
5132	489863.09	3864377.25	0.08323	0.05318	0.04082	0.08641	0.04373	0.07105	0.0499	0.05318	3.99E-01	2.26E-03	9.79E-08	2.09E-03	9.43E-03	4.60E-03	8.15E-03	8.33E-03	4.18E-01
5133	490363.09	3864377.25	0.09024	0.05418	0.04632	0.09482	0.04258	0.07285	0.0533	0.05418	4.33E-01	2.31E-03	1.11E-07	2.30E-03	9.18E-03	4.71E-03	8.69E-03	8.49E-03	4.52E-01
5134	490863.09	3864377.25	0.09188	0.05494	0.03829	0.08401	0.0976	0.08244	0.053	0.05494	4.41E-01	2.34E-03	9.18E-08	2.04E-03	2.10E-02	5.33E-03	8.65E-03	8.61E-03	4.72E-01
5135	491363.09	3864377.25	0.10548	0.04518	0.04024	0.0766	0.15574	0.0934	0.042	0.04518	5.06E-01	1.92E-03	9.65E-08	1.86E-03	3.36E-02	6.04E-03	6.86E-03	7.08E-03	5.49E-01
5136	491863.09	3864377.25	0.10271	0.02467	0.03136	0.0374	0.13262	0.04589	0.0306	0.02467	4.93E-01	1.05E-03	7.52E-08	9.06E-04	2.86E-02	2.97E-03	4.99E-03	3.86E-03	5.28E-01
5137	492363.09	3864377.25	0.09655	0.03828	0.06293	0.05999	0.14651	0.0686	0.04	0.03828	4.63E-01	1.63E-03	1.51E-07	1.45E-03	3.16E-02	4.44E-03	6.53E-03	6.00E-03	5.03E-01
5138	492863.09	3864377.25	0.09133	0.02648	0.03601	0.0463	0.14332	0.04516	0.0268	0.02648	4.38E-01	1.13E-03	8.64E-08	1.12E-03	3.09E-02	2.92E-03	4.37E-03	4.15E-03	4.75E-01
5139	493363.09	3864377.25	0.09503	0.03809	0.05576	0.062	0.11756	0.05828	0.0358	0.03809	4.56E-01	1.62E-03	1.34E-07	1.50E-03	2.54E-02	3.77E-03	5.85E-03	5.97E-03	4.88E-01
5140	493863.09	3864377.25	0.08187	0.05275	0.06458	0.06838	0.09785	0.07631	0.048	0.05275	3.93E-01	2.24E-03	1.55E-07	1.66E-03	2.11E-02	4.94E-03	7.83E-03	8.26E-03	4.22E-01
5141	494363.09	3864377.25	0.08986	0.06325	0.06961	0.06881	0.08814	0.06608	0.047	0.06325	4.31E-01	2.69E-03	1.67E-07	1.67E-03	1.90E-02	4.28E-03	7.68E-03	9.91E-03	4.57E-01
5142	494863.09	3864377.25	0.09175	0.05768	0.06111	0.06904	0.08801	0.05628	0.058	0.05768	4.40E-01	2.45E-03	1.47E-07	1.67E-03	1.90E-02	3.64E-03	9.47E-03	9.04E-03	4.67E-01
5143	495363.09	3864377.25	0.08512	0.06333	0.04934	0.07334	0.09513	0.06727	0.0725	0.06333	4.08E-01	2.69E-03	1.18E-07	1.78E-03	2.05E-02	4.35E-03	1.18E-02	9.92E-03	4.40E-01
5144	495863.09	3864377.25	0.09334	0.06271	0.06167	0.07706	0.09026	0.06845	0.0672	0.06271	4.48E-01	2.67E-03	1.48E-07	1.87E-03	1.95E-02	4.43E-03	1.10E-02	9.82E-03	4.78E-01
5145	496363.09	3864377.25	0.09046	0.06895	0.0602	0.06427	0.11999	0.07557	0.0642	0.06895	4.34E-01	2.93E-03	1.44E-07	1.56E-03	2.59E-02	4.89E-03	1.05E-02	1.08E-02	4.69E-01
5146	496863.09	3864377.25	0.10593	0.0642	0.05329	0.05907	0.08116	0.07322	0.0666	0.0642	5.08E-01	2.73E-03	1.28E-07	1.43E-03	1.75E-02	4.74E-03	1.09E-02	1.01E-02	5.36E-01
5147	497363.09	3864377.25	0.094	0.0753	0.04701	0.0595	0.08049	0.07299	0.0753	0.0753	4.51E-01	3.20E-03	1.13E-07	1.44E-03	1.74E-02	4.72E-03	1.23E-02	1.18E-02	4.78E-01
5148	497863.09	3864377.25	0.07564	0.09388	0.04198	0.06699	0.08602	0.08051	0.0978	0.09388	3.63E-01	3.99E-03	1.01E-07	1.62E-03	1.86E-02	5.21E-03	1.60E-02	1.47E-02	3.94E-01
5149	498363.09	3864377.25	0.0721	0.09168	0.03891	0.07896	0.10368	0.06573	0.1041	0.09168	3.46E-01	3.90E-03	9.33E-08	1.91E-03	2.24E-02	4.25E-03	1.70E-02	1.44E-02	3.81E-01
5150	471363.09	3864877.25	0.04915	0.02413	0.03324	0.03075	0.10495	0.04438	0.0238	0.02413	2.36E-01	1.03E-03	7.97E-08	7.45E-04	2.26E-02	2.87E-03	3.89E-03	3.78E-03	2.63E-01
5151	471863.09	3864877.25	0.04828	0.02408	0.03687	0.03077	0.10288	0.04642	0.0237	0.02408	2.32E-01	1.02E-03	8.84E-08	7.45E-04	2.22E-02	3.00E-03	3.88E-03	3.77E-03	2.59E-01
5152	472363.09	3864877.25	0.04857	0.02417	0.03998	0.03252	0.09689	0.0441	0.0236	0.02417	2.33E-01	1.03E-03	9.59E-08	7.88E-04	2.09E-02	2.85E-03	3.85E-03	3.79E-03	2.59E-01
5153	472863.09	3864877.25	0.05041	0.02457	0.03329	0.033	0.08208	0.0444	0.0247	0.02457	2.42E-01	1.05E-03	7.98E-08	7.99E-04	1.77E-02	2.87E-03	4.04E-03	3.85E-03	2.65E-01
5154	473363.09	3864877.25	0.04852	0.02604	0.03449	0.03601	0.07295	0.04419	0.0253	0.02604	2.33E-01	1.11E-03	8.27E-08	8.72E-04	1.57E-02	2.86E-03	4.13E-03	4.08E-03	2.53E-01
5155	473863.09	3864877.25	0.05193	0.02673	0.03326	0.036	0.08416	0.0434	0.0259	0.02673	2.49E-01	1.14E-03	7.98E-08	8.72E-04	1.82E-02	2.81E-03	4.23E-03	4.19E-03	2.72E-01
5156	474363.09	3864877.25	0.05408	0.02739	0.03225	0.03777	0.11029	0.04226	0.0267	0.02739	2.60E-01	1.17E-03	7.73E-08	9.15E-04	2.38E-02	2.73E-03	4.35E-03	4.29E-03	2.88E-01
5157	474863.09	3864877.25	0.05676	0.02809	0.03512	0.0441	0.09972	0.04511	0.0279	0.02809	2.72E-01	1.20E-03	8.42E-08	1.07E-03	2.15E-02	2.92E-03	4.55E-03	4.40E-03	2.99E-01
5158	475363.09	3864877.25	0.05731	0.02913	0.03626	0.04393	0.12828	0.04489	0.0284	0.02913	2.75E-01	1.24E-03	8.70E-08	1.06E-03	2.77E-02	2.90E-03	4.64E-03	4.56E-03	3.08E-01
5159	475863.09	3864877.25	0.05515	0.03048	0.03191	0.04206	0.13578	0.04826	0.0295	0.03048	2.65E-01	1.30E-03	7.65E-08	1.02E-03	2.93E-02	3.12E-03	4.81E-03	4.77E-03	2.99E-01
5160	476363.09	3864877.25	0.05297	0.03124	0.04078	0.03948	0.10439	0.04771	0.0313	0.03124	2.54E-01	1.33E-03	9.78E-08	9.56E-04	2.25E-02	3.09E-03	5.10E-03	4.89E-03	2.82E-01
5161	476863.09	3864877.25	0.0551	0.03187	0.04182	0.03968	0.10704	0.04845	0.0319	0.03187	2.64E-01	1.36E-03	1.00E-07	9.61E-04	2.31E-02	3.13E-03	5.21E-03	4.99E-03	2.93E-01
5162	477363.09	3864877.25	0.05314	0.03311	0.04212	0.0384	0.15785	0.05176	0.0328	0.03311	2.55E-01	1.41E-03	1.01E-07	9.30E-04	3.40E-02	3.35E-03	5.35E-03	5.19E-03	2.95E-01
5163	477863.09	3864877.25	0.04898	0.0343	0.04353	0.04099	0.13298	0.0567	0.0344	0.0343	2.35E-01	1.46E-03	1.04E-07	9.93E-04	2.87E-02	3.67E-03	5.61E-03	5.37E-03	2.70E-01
5164	478363.09	3864877.25	0.04946	0.03512	0.04864	0.0439	0.12205	0.05176	0.0349	0.03512	2.37E-01	1.49E-03	1.17E-07	1.06E-03	2.63E-02	3.35E-03	5.70E-03	5.50E-03	2.70E-01
5165	478863.09	3864877.25	0.05031	0.03595	0.04858	0.0467	0.13715	0.05044	0.0358	0.03595	2.41E-01	1.53E-03	1.17E-07	1.13E-03	2.96E-02	3.26E-03	5.84E-03	5.63E-03	2.77E-01
5166	479363.09	3864877.25	0.04904	0.03713	0.04504	0.05505	0.12405	0.04457	0.0369	0.03713	2.35E-01	1.58E-03	1.08E-07	1.33E-03	2.68E-02	2.88E-03	6.02E-03	5.82E-03	2.68E-01
5167	479863.09	3864877.25	0.05526	0.03767	0.04912	0.05402	0.09292	0.04564	0.0375	0.03767	2.65E-01	1.60E-03	1.18E-07	1.31E-03	2.00E-02	2.95E-03	6.12E-03	5.90E-03	2.91E-01
5168	480363.09	3864877.25	0.05869	0.03924	0.04846	0.05769	0.07367	0.04893	0.0386	0.03924	2.82E-01	1.67E-03	1.16E-07	1.40E-03	1.59E-02	3.17E-03	6.30E-03	6.15E-03	3.04E-01
5169	480863.09	3864877.25	0.05534	0.04018	0.0524	0.05435	0.10484	0.0483	0.0393	0.04018	2.66E-01	1.71E-03	1.26E-07	1.32E-03	2.26E-02	3.13E-03	6.42E-03	6.29E-03	2.94E-01
5170	481363.09	3864877.25	0.05442	0.04093	0.05059	0.05954	0.09143	0.04906	0.04	0.04093	2.61E-01	1.74E-03	1.21E-07	1.44E-03	1.97E-02	3.17E-03	6.53E-03	6.41E-03	2.87E-01
5171	481863.09	3864877.25	0.05541	0.04163	0.04371	0.05841	0.08072	0.04959	0.0404	0.04163	2.66E-01	1.77E-03	1.05E-07	1.42E-03	1.74E-02	3.21E-03	6.60E-03	6.52E-03	2.90E-01
5172	482363.09	3864877.25	0.04895	0.04237	0.05915	0.05253	0.10952	0.05356	0.0406	0.04237	2.35E-01	1.80E-03	1.42E-07	1.27E-03	2.36E-02	3.47E-03	6.63E-03	6.64E-03	2.65E-01
5173	482863.09	3864877.25	0.05245	0.04044	0.06627	0.05847	0.14152	0.04753	0.0403	0.04044	2.52E-01	1.72E-03	1.59E-07	1.42E-03	3.05E-02	3.08E-03	6.58E-03	6.33E-03	2.89E-01
5174	483363.09	3864877.25	0.05306	0.03949	0.07299	0.061	0.16282	0.04963	0.0392	0.03949	2.55E-01	1.68E-03	1.75E-07	1.48E-03	3.51E-02	3.21E-03	6.40E-03	6.19E-03	2.96E-01
5175	483863.09	3864877.25	0.04648	0.03939	0.06766	0.05401	0.13936	0.04512	0.0386	0.03939	2.23E-01	1.68E-03	1.62E-07	1.31E-03	3.01E-02	2.92E-03	6.30E-03	6.17E-03	2.59E-01
5176	484363.09	3864877.25	0.04574	0.03976	0.04394	0.05266	0.09522	0.0485	0.0388	0.03976	2.20E-01	1.69E-03	1.05E-07	1.28E-03	2.05E-02	3.14E-03	6.33E-03	6.23E-03	2.46E-01
5177	484863.09	3864877.25	0.04486	0.04013	0.04703	0.05688	0.10575	0.0476	0.0386	0.04013	2.15E-01	1.71E-03	1.13E-07	1.38E-03	2.28E-02	3.08E-03	6.30E-03	6.29E-03	2.44E-01
5178	485363.09	3864877.25	0.04651	0.04024	0.04428	0.06584	0.04943	0.05015	0.0385	0.04024	2.23E-01	1.71E-03	1.06E-07	1.60E-03	1.07E-02	3.24E-03	6.28E-03	6.30E-03	2.40E-01
5179	485863.09	3864877.25	0.04827	0.03924	0.04559	0.07172	0.02568	0.05867	0.0387	0.03924	2.32E-01	1.67E-03	1.09E-07	1.74E-03	5.54E-03	3.80E-03	6.32E-03	6.15E-03	2.45E-01
5180	486363.09	3864877.25	0.05485	0.04289	0.08084	0.08005	0.06918	0.06237	0.0425	0.04289	2.63E-01	1.82E-03	1.94E-07	1.94E-03	1.49E-02	4.04E-03	6.94E-03	6.72E-03	2.86E-01
5181	486863.09	3864877.25	0.04643	0.04365	0.07756	0.08805	0.08011	0.06134	0.0437	0.04365	2.23E-01	1.86E-03	1.86E-07	2.13E-03	1.73E-02	3.97E-03	7.14E-03	6.84E-03	2.48E-01
5182	487363.09	3864877.25	0.04051	0.03905	0.05277	0.08723	0.12492	0.05879	0.0426	0.03905	1.94E-01	1.66E-03	1.27E-07	2.11E-03	2.69E-02	3.80E-03	6.95E-03	6.12E-03	2.30E-01
5183	487863.09	3864877.25	0.04744	0.0411	0.03877	0.10274	0.08175	0.05858	0.0421	0.0411	2.28E-01	1.75E-03	9.30E-08	2.49E-03	1.76E-02	3.79E-03	6.87E-03	6.44E-03	2.54E-01

5184	488363.09	3864877.25	0.04678	0.0433	0.04641	0.10399	0.0444	0.04562	0.0436	0.0433	2.24E-01	1.84E-03	1.11E-07	2.52E-03	9.58E-03	2.95E-03	7.11E-03	6.78E-03	2.42E-01
5185	488863.09	3864877.25	0.04996	0.04392	0.04747	0.08426	0.05433	0.03771	0.0442	0.04392	2.40E-01	1.87E-03	1.14E-07	2.04E-03	1.17E-02	2.44E-03	7.21E-03	6.88E-03	2.58E-01
5186	489363.09	3864877.25	0.06001	0.0463	0.05282	0.08223	0.02028	0.04954	0.0419	0.0463	2.88E-01	1.97E-03	1.27E-07	1.99E-03	4.37E-03	3.21E-03	6.84E-03	7.25E-03	2.99E-01
5187	489863.09	3864877.25	0.07311	0.04124	0.03353	0.05706	0.02491	0.05792	0.0404	0.04124	3.51E-01	1.75E-03	8.04E-08	1.38E-03	5.37E-03	3.75E-03	6.60E-03	6.46E-03	3.63E-01
5188	490363.09	3864877.25	0.08515	0.04108	0.03616	0.06719	0.03628	0.0745	0.041	0.04108	4.09E-01	1.75E-03	8.67E-08	1.63E-03	7.82E-03	4.82E-03	6.69E-03	6.44E-03	4.25E-01
5189	490863.09	3864877.25	0.09739	0.04106	0.04791	0.07344	0.04841	0.0745	0.0308	0.04106	4.67E-01	1.75E-03	1.15E-07	1.78E-03	1.04E-02	4.82E-03	5.03E-03	6.43E-03	4.85E-01
5190	491363.09	3864877.25	0.09161	0.04163	0.03353	0.06203	0.09012	0.08269	0.0376	0.04163	4.40E-01	1.77E-03	8.04E-08	1.50E-03	1.94E-02	5.35E-03	6.14E-03	6.52E-03	4.67E-01
5191	491863.09	3864877.25	0.10614	0.04196	0.03685	0.06591	0.21635	0.07727	0.0402	0.04196	5.09E-01	1.79E-03	8.84E-08	1.60E-03	4.67E-02	5.00E-03	6.56E-03	6.57E-03	5.64E-01
5192	492363.09	3864877.25	0.07621	0.02086	0.02232	0.02886	0.07683	0.02623	0.0223	0.02086	3.66E-01	8.88E-04	5.35E-08	6.99E-04	1.66E-02	1.70E-03	3.64E-03	3.27E-03	3.86E-01
5193	492863.09	3864877.25	0.07113	0.02339	0.02638	0.03762	0.12016	0.03296	0.0262	0.02339	3.41E-01	9.95E-04	6.33E-08	9.11E-04	2.59E-02	2.13E-03	4.27E-03	3.66E-03	3.72E-01
5194	493363.09	3864877.25	0.07603	0.02486	0.02889	0.0379	0.11275	0.03468	0.0239	0.02486	3.65E-01	1.06E-03	6.93E-08	9.18E-04	2.43E-02	2.24E-03	3.90E-03	3.89E-03	3.93E-01
5195	493863.09	3864877.25	0.0925	0.03676	0.04997	0.06339	0.10235	0.06296	0.0358	0.03676	4.44E-01	1.56E-03	1.20E-07	1.54E-03	2.21E-02	4.07E-03	5.85E-03	5.76E-03	4.73E-01
5196	494363.09	3864877.25	0.08017	0.0499	0.06002	0.06634	0.07511	0.07435	0.0447	0.0499	3.85E-01	2.12E-03	1.44E-07	1.61E-03	1.62E-02	4.81E-03	7.30E-03	7.82E-03	4.09E-01
5197	494863.09	3864877.25	0.08162	0.05598	0.06197	0.0601	0.08523	0.05905	0.0421	0.05598	3.92E-01	2.38E-03	1.49E-07	1.46E-03	1.84E-02	3.82E-03	6.87E-03	8.77E-03	4.16E-01
5198	495363.09	3864877.25	0.08216	0.05563	0.05861	0.06264	0.07787	0.05479	0.0561	0.05563	3.94E-01	2.37E-03	1.41E-07	1.52E-03	1.68E-02	3.55E-03	9.16E-03	8.71E-03	4.19E-01
5199	495863.09	3864877.25	0.07649	0.05541	0.04276	0.06591	0.0849	0.05855	0.0624	0.05541	3.67E-01	2.36E-03	1.03E-07	1.60E-03	1.83E-02	3.79E-03	1.02E-02	8.68E-03	3.95E-01
5200	496363.09	3864877.25	0.07681	0.05548	0.05207	0.06435	0.09183	0.06254	0.0587	0.05548	3.69E-01	2.36E-03	1.25E-07	1.56E-03	1.98E-02	4.05E-03	9.59E-03	8.69E-03	3.97E-01
5201	496863.09	3864877.25	0.08534	0.05552	0.05795	0.06019	0.10765	0.06641	0.061	0.05552	4.10E-01	2.36E-03	1.39E-07	1.46E-03	2.32E-02	4.30E-03	9.95E-03	8.70E-03	4.42E-01
5202	497363.09	3864877.25	0.08889	0.05323	0.04887	0.04871	0.06981	0.07223	0.0565	0.05323	4.27E-01	2.26E-03	1.17E-07	1.18E-03	1.51E-02	4.67E-03	9.23E-03	8.34E-03	4.51E-01
5203	497863.09	3864877.25	0.09719	0.06134	0.04856	0.05616	0.0726	0.06694	0.061	0.06134	4.66E-01	2.61E-03	1.16E-07	1.36E-03	1.57E-02	4.33E-03	9.96E-03	9.61E-03	4.91E-01
5204	498363.09	3864877.25	0.08109	0.08159	0.03925	0.05312	0.08274	0.07008	0.069	0.08159	3.89E-01	3.47E-03	9.41E-08	1.29E-03	1.78E-02	4.53E-03	1.13E-02	1.28E-02	4.15E-01
5205	471363.09	3865377.25	0.0468	0.02449	0.03711	0.03182	0.08934	0.04308	0.0239	0.02449	2.25E-01	1.04E-03	8.90E-08	7.71E-04	1.93E-02	2.79E-03	3.90E-03	3.84E-03	2.49E-01
5206	471863.09	3865377.25	0.04806	0.02505	0.03445	0.03269	0.07615	0.04243	0.0244	0.02505	2.31E-01	1.07E-03	8.26E-08	7.92E-04	1.64E-02	2.75E-03	3.99E-03	3.92E-03	2.52E-01
5207	472363.09	3865377.25	0.04869	0.02566	0.03131	0.03332	0.06692	0.04141	0.0252	0.02566	2.34E-01	1.09E-03	7.51E-08	8.07E-04	1.44E-02	2.68E-03	4.11E-03	4.02E-03	2.53E-01
5208	472863.09	3865377.25	0.04708	0.02615	0.03099	0.03484	0.08121	0.04002	0.026	0.02615	2.26E-01	1.11E-03	7.43E-08	8.44E-04	1.75E-02	2.59E-03	4.25E-03	4.10E-03	2.48E-01
5209	473363.09	3865377.25	0.04942	0.02733	0.03604	0.03676	0.09311	0.03916	0.0263	0.02733	2.37E-01	1.16E-03	8.64E-08	8.91E-04	2.01E-02	2.53E-03	4.30E-03	4.28E-03	2.62E-01
5210	473863.09	3865377.25	0.0521	0.02846	0.03332	0.04234	0.09404	0.04091	0.0267	0.02846	2.50E-01	1.21E-03	7.99E-08	1.03E-03	2.03E-02	2.65E-03	4.35E-03	4.46E-03	2.75E-01
5211	474363.09	3865377.25	0.05396	0.02905	0.03482	0.04189	0.11774	0.03984	0.0277	0.02905	2.59E-01	1.24E-03	8.35E-08	1.01E-03	2.54E-02	2.58E-03	4.52E-03	4.55E-03	2.89E-01
5212	474863.09	3865377.25	0.05345	0.02963	0.03536	0.03907	0.13001	0.04305	0.0291	0.02963	2.57E-01	1.26E-03	8.48E-08	9.47E-04	2.80E-02	2.79E-03	4.75E-03	4.64E-03	2.90E-01
5213	475363.09	3865377.25	0.05248	0.02982	0.03419	0.03756	0.11132	0.04092	0.0299	0.02982	2.52E-01	1.27E-03	8.20E-08	9.10E-04	2.40E-02	2.65E-03	4.87E-03	4.67E-03	2.81E-01
5214	475863.09	3865377.25	0.05163	0.03051	0.03466	0.03646	0.09647	0.04212	0.0301	0.03051	2.48E-01	1.30E-03	8.31E-08	8.83E-04	2.08E-02	2.73E-03	4.92E-03	4.78E-03	2.74E-01
5215	476363.09	3865377.25	0.05211	0.03138	0.04124	0.03621	0.11664	0.04595	0.0305	0.03138	2.50E-01	1.34E-03	9.89E-08	8.77E-04	2.52E-02	2.97E-03	4.97E-03	4.92E-03	2.80E-01
5216	476863.09	3865377.25	0.05015	0.02624	0.04574	0.03842	0.14237	0.05013	0.0266	0.02624	2.41E-01	1.12E-03	1.10E-07	9.31E-04	3.07E-02	3.24E-03	4.34E-03	4.11E-03	2.77E-01
5217	477363.09	3865377.25	0.04918	0.03215	0.04354	0.04055	0.11726	0.04935	0.0323	0.03215	2.36E-01	1.37E-03	1.04E-07	9.82E-04	2.53E-02	3.19E-03	5.27E-03	5.04E-03	2.67E-01
5218	477863.09	3865377.25	0.04814	0.03386	0.03636	0.04338	0.11782	0.04788	0.0339	0.03386	2.31E-01	1.44E-03	8.72E-08	1.05E-03	2.54E-02	3.10E-03	5.54E-03	5.30E-03	2.62E-01
5219	478363.09	3865377.25	0.0497	0.03439	0.04189	0.04909	0.11617	0.04729	0.0344	0.03439	2.39E-01	1.46E-03	1.00E-07	1.19E-03	2.51E-02	3.06E-03	5.62E-03	5.39E-03	2.70E-01
5220	478863.09	3865377.25	0.04744	0.035	0.04228	0.04845	0.11737	0.04262	0.0346	0.035	2.28E-01	1.49E-03	1.01E-07	1.17E-03	2.53E-02	2.76E-03	5.64E-03	5.48E-03	2.59E-01
5221	479363.09	3865377.25	0.05164	0.03584	0.04391	0.05238	0.08554	0.04269	0.0343	0.03584	2.48E-01	1.52E-03	1.05E-07	1.27E-03	1.84E-02	2.76E-03	5.59E-03	5.61E-03	2.72E-01
5222	479863.09	3865377.25	0.05312	0.03596	0.04619	0.04818	0.06346	0.04534	0.036	0.03596	2.55E-01	1.53E-03	1.11E-07	1.17E-03	1.37E-02	2.93E-03	5.87E-03	5.63E-03	2.74E-01
5223	480363.09	3865377.25	0.04907	0.03697	0.0436	0.057	0.09213	0.04536	0.037	0.03697	2.35E-01	1.57E-03	1.05E-07	1.38E-03	1.99E-02	2.93E-03	6.04E-03	5.79E-03	2.61E-01
5224	480863.09	3865377.25	0.04414	0.03653	0.03647	0.05885	0.0839	0.04458	0.0367	0.03653	2.12E-01	1.55E-03	8.75E-08	1.43E-03	1.81E-02	2.88E-03	5.99E-03	5.72E-03	2.36E-01
5225	481363.09	3865377.25	0.05342	0.03589	0.04155	0.05138	0.07147	0.04578	0.036	0.03589	2.56E-01	1.53E-03	9.97E-08	1.24E-03	1.54E-02	2.96E-03	5.88E-03	5.62E-03	2.78E-01
5226	481863.09	3865377.25	0.04534	0.03483	0.05114	0.04776	0.10167	0.04127	0.035	0.03483	2.18E-01	1.48E-03	1.23E-07	1.16E-03	2.19E-02	2.67E-03	5.71E-03	5.46E-03	2.45E-01
5227	482363.09	3865377.25	0.04502	0.03383	0.0617	0.05267	0.12969	0.04253	0.0335	0.03383	2.16E-01	1.44E-03	1.48E-07	1.28E-03	2.80E-02	2.75E-03	5.46E-03	5.30E-03	2.50E-01
5228	482863.09	3865377.25	0.04694	0.03256	0.06275	0.05594	0.15907	0.04353	0.0319	0.03256	2.25E-01	1.39E-03	1.50E-07	1.36E-03	3.43E-02	2.82E-03	5.21E-03	5.10E-03	2.65E-01
5229	483363.09	3865377.25	0.04334	0.03231	0.05618	0.04827	0.15264	0.04372	0.0322	0.03231	2.08E-01	1.37E-03	1.35E-07	1.17E-03	3.29E-02	2.83E-03	5.26E-03	5.06E-03	2.46E-01
5230	483863.09	3865377.25	0.04442	0.03458	0.05856	0.04579	0.10897	0.04654	0.0345	0.03458	2.13E-01	1.47E-03	1.40E-07	1.11E-03	2.35E-02	3.01E-03	5.63E-03	5.42E-03	2.42E-01
5231	484363.09	3865377.25	0.04344	0.03739	0.03983	0.04834	0.09257	0.04657	0.0369	0.03739	2.08E-01	1.59E-03	9.55E-08	1.17E-03	2.00E-02	3.01E-03	6.02E-03	5.86E-03	2.34E-01
5232	484863.09	3865377.25	0.04398	0.03389	0.03847	0.05233	0.07438	0.04611	0.034	0.03389	2.11E-01	1.44E-03	9.23E-08	1.27E-03	1.60E-02	2.98E-03	5.54E-03	5.31E-03	2.33E-01
5233	485363.09	3865377.25	0.04364	0.03495	0.05087	0.0656	0.02997	0.0482	0.0345	0.03495	2.09E-01	1.49E-03	1.22E-07	1.59E-03	6.46E-03	3.12E-03	5.63E-03	5.47E-03	2.22E-01
5234	485863.09	3865377.25	0.04757	0.03738	0.07381	0.06928	0.03286	0.05548	0.037	0.03738	2.28E-01	1.59E-03	1.77E-07	1.68E-03	7.09E-03	3.59E-03	6.04E-03	5.86E-03	2.42E-01
5235	486363.09	3865377.25	0.05093	0.03833	0.06177	0.07769	0.0498	0.05896	0.039	0.03833	2.44E-01	1.63E-03	1.48E-07	1.88E-03	1.07E-02	3.81E-03	6.37E-03	6.00E-03	2.63E-01
5236	486863.09	3865377.25	0.04259	0.03813	0.07101	0.08207	0.08294	0.05435	0.0404	0.03813	2.04E-01	1.62E-03	1.70E-07	1.99E-03	1.79E-02	3.52E-03	6.59E-03	5.97E-03	2.30E-01
5237	487363.09	3865377.25	0.03908	0.03777	0.05087	0.08562	0.12073	0.05829	0.0413	0.03777	1.88E-01	1.61E-03	1.22E-07	2.07E-03	2.60E-02	3.77E-03	6.74E-03	5.92E-03	2.22E-01
5238	487863.09	3865377.25	0.04491	0.03737	0.03261	0.09238	0.07745	0.05377	0.0386	0.03737	2.16E-01	1.59E-03	7.82E-08	2.24E-03	1.67E-02	3.48E-03	6.30E-03	5.85E-03	2.40E-01
5239	488363.09	3865377.25	0.04219	0.03638	0.03846	0.07543	0.04003	0.04369	0.0365	0.03638	2.02E-01	1.55E-03	9.22E-08	1.83E-03	8.63E-03	2.83E-03	5.96E-03	5.70E-03	2.18E-01
5240	488863.09	3865377.25	0.04117	0.03666	0.05326	0.0585	0.04355	0.03298	0.037	0.03666	1.98E-01	1.56E-03	1.28E-07	1.42E-03	9.39E-03	2.13E-03	6.05E-03	5.74E-03	2.12E-01

5241	489363.09	3865377.25	0.05445	0.03755	0.06314	0.06922	0.02335	0.03791	0.0363	0.03755	2.61E-01	1.60E-03	1.51E-07	1.68E-03	5.04E-03	2.45E-03	5.93E-03	5.88E-03	2.72E-01
5242	489863.09	3865377.25	0.06516	0.0372	0.04037	0.03795	0.01537	0.04916	0.0363	0.0372	3.13E-01	1.58E-03	9.68E-08	9.19E-04	3.31E-03	3.18E-03	5.92E-03	5.83E-03	3.22E-01
5243	490363.09	3865377.25	0.08155	0.03428	0.02982	0.05917	0.02672	0.07646	0.0298	0.03428	3.91E-01	1.46E-03	7.15E-08	1.43E-03	5.76E-03	4.95E-03	4.87E-03	5.37E-03	4.04E-01
5244	490863.09	3865377.25	0.08875	0.02955	0.04359	0.06342	0.03608	0.07586	0.0272	0.02955	4.26E-01	1.26E-03	1.05E-07	1.54E-03	7.78E-03	4.91E-03	4.44E-03	4.63E-03	4.41E-01
5245	491363.09	3865377.25	0.09461	0.03668	0.0358	0.06108	0.09004	0.06723	0.0291	0.03668	4.54E-01	1.56E-03	8.59E-08	1.48E-03	1.94E-02	4.35E-03	4.75E-03	5.75E-03	4.80E-01
5246	491863.09	3865377.25	0.09705	0.0387	0.03157	0.05798	0.13308	0.07521	0.0349	0.0387	4.66E-01	1.65E-03	7.57E-08	1.40E-03	2.87E-02	4.87E-03	5.69E-03	6.06E-03	5.02E-01
5247	492363.09	3865377.25	0.10824	0.02883	0.0328	0.05338	0.14657	0.05157	0.031	0.02883	5.19E-01	1.23E-03	7.87E-08	1.29E-03	3.16E-02	3.34E-03	5.05E-03	4.52E-03	5.57E-01
5248	492863.09	3865377.25	0.09759	0.02235	0.03332	0.04001	0.12658	0.04021	0.027	0.02235	4.68E-01	9.51E-04	7.99E-08	9.69E-04	2.73E-02	2.60E-03	4.40E-03	3.50E-03	5.01E-01
5249	493363.09	3865377.25	0.064	0.02249	0.02401	0.03496	0.10542	0.02953	0.0229	0.02249	3.07E-01	9.57E-04	5.76E-08	8.47E-04	2.27E-02	1.91E-03	3.74E-03	3.52E-03	3.34E-01
5250	493863.09	3865377.25	0.07942	0.02523	0.04185	0.04771	0.10525	0.04389	0.0266	0.02523	3.81E-01	1.07E-03	1.00E-07	1.16E-03	2.27E-02	2.84E-03	4.35E-03	3.95E-03	4.09E-01
5251	494363.09	3865377.25	0.08475	0.03684	0.04751	0.05857	0.09194	0.05215	0.0344	0.03684	4.07E-01	1.57E-03	1.14E-07	1.42E-03	1.98E-02	3.37E-03	5.62E-03	5.77E-03	4.33E-01
5252	494863.09	3865377.25	0.07997	0.04737	0.0529	0.06389	0.06286	0.06597	0.039	0.04737	3.84E-01	2.02E-03	1.27E-07	1.55E-03	1.36E-02	4.27E-03	6.36E-03	7.42E-03	4.04E-01
5253	495363.09	3865377.25	0.07388	0.04949	0.05684	0.05638	0.07899	0.05259	0.0378	0.04949	3.55E-01	2.11E-03	1.36E-07	1.37E-03	1.70E-02	3.40E-03	6.17E-03	7.75E-03	3.77E-01
5254	495863.09	3865377.25	0.07799	0.0531	0.05743	0.05495	0.07212	0.05142	0.0529	0.0531	3.74E-01	2.26E-03	1.38E-07	1.33E-03	1.56E-02	3.33E-03	8.64E-03	8.32E-03	3.97E-01
5255	496363.09	3865377.25	0.07663	0.04623	0.04371	0.06514	0.07844	0.05495	0.0493	0.04623	3.68E-01	1.97E-03	1.05E-07	1.58E-03	1.69E-02	3.56E-03	8.05E-03	7.24E-03	3.93E-01
5256	496863.09	3865377.25	0.0688	0.04872	0.04581	0.06134	0.09596	0.05712	0.051	0.04872	3.30E-01	2.07E-03	1.10E-07	1.49E-03	2.07E-02	3.70E-03	8.33E-03	7.63E-03	3.59E-01
5257	497363.09	3865377.25	0.08066	0.05146	0.05428	0.05788	0.09122	0.0598	0.0591	0.05146	3.87E-01	2.19E-03	1.30E-07	1.40E-03	1.97E-02	3.87E-03	9.64E-03	8.06E-03	4.16E-01
5258	497863.09	3865377.25	0.07271	0.04892	0.04922	0.04971	0.06727	0.06614	0.0516	0.04892	3.49E-01	2.08E-03	1.18E-07	1.20E-03	1.45E-02	4.28E-03	8.42E-03	7.66E-03	3.72E-01
5259	498363.09	3865377.25	0.09021	0.05335	0.03372	0.04835	0.0636	0.06387	0.0495	0.05335	4.33E-01	2.27E-03	8.09E-08	1.17E-03	1.37E-02	4.13E-03	8.08E-03	8.36E-03	4.54E-01
5260	471363.09	3865877.25	0.04608	0.02527	0.02882	0.03134	0.05817	0.03744	0.0247	0.02527	2.21E-01	1.08E-03	6.91E-08	7.59E-04	1.25E-02	2.42E-03	4.03E-03	3.96E-03	2.38E-01
5261	471863.09	3865877.25	0.04686	0.02572	0.02917	0.03311	0.07084	0.03664	0.025	0.02572	2.25E-01	1.09E-03	7.00E-08	8.02E-04	1.53E-02	2.37E-03	4.09E-03	4.03E-03	2.44E-01
5262	472363.09	3865877.25	0.04542	0.02622	0.03382	0.03621	0.08051	0.038	0.026	0.02622	2.18E-01	1.12E-03	8.11E-08	8.77E-04	1.74E-02	2.46E-03	4.24E-03	4.11E-03	2.40E-01
5263	472863.09	3865877.25	0.04712	0.02767	0.03291	0.04004	0.09764	0.0388	0.0272	0.02767	2.26E-01	1.18E-03	7.89E-08	9.70E-04	2.11E-02	2.51E-03	4.44E-03	4.33E-03	2.52E-01
5264	473363.09	3865877.25	0.04942	0.02834	0.03313	0.0402	0.09269	0.0382	0.0275	0.02834	2.37E-01	1.21E-03	7.95E-08	9.74E-04	2.00E-02	2.47E-03	4.49E-03	4.44E-03	2.62E-01
5265	473863.09	3865877.25	0.05017	0.02838	0.03032	0.03624	0.11021	0.03751	0.0284	0.02838	2.41E-01	1.21E-03	7.27E-08	8.78E-04	2.38E-02	2.43E-03	4.64E-03	4.45E-03	2.69E-01
5266	474363.09	3865877.25	0.05054	0.02872	0.0325	0.03596	0.11161	0.03929	0.0284	0.02872	2.43E-01	1.22E-03	7.79E-08	8.71E-04	2.41E-02	2.54E-03	4.63E-03	4.50E-03	2.71E-01
5267	474863.09	3865877.25	0.05055	0.02898	0.03164	0.03397	0.08549	0.03953	0.029	0.02898	2.43E-01	1.23E-03	7.59E-08	8.23E-04	1.84E-02	2.56E-03	4.74E-03	4.54E-03	2.66E-01
5268	475363.09	3865877.25	0.04698	0.02933	0.03472	0.03326	0.08193	0.04159	0.0294	0.02933	2.25E-01	1.25E-03	8.33E-08	8.06E-04	1.77E-02	2.69E-03	4.79E-03	4.59E-03	2.48E-01
5269	475863.09	3865877.25	0.04495	0.02971	0.03844	0.0361	0.12224	0.04291	0.0298	0.02971	2.16E-01	1.26E-03	9.22E-08	8.75E-04	2.64E-02	2.78E-03	4.86E-03	4.65E-03	2.47E-01
5270	476363.09	3865877.25	0.04911	0.02891	0.03916	0.0379	0.11518	0.04708	0.0293	0.02891	2.36E-01	1.23E-03	9.39E-08	9.18E-04	2.48E-02	3.05E-03	4.78E-03	4.53E-03	2.66E-01
5271	476863.09	3865877.25	0.05046	0.02464	0.03582	0.04059	0.11445	0.04487	0.0247	0.02464	2.42E-01	1.05E-03	8.59E-08	9.83E-04	2.47E-02	2.90E-03	4.03E-03	3.86E-03	2.72E-01
5272	477363.09	3865877.25	0.04847	0.03056	0.03735	0.04165	0.12157	0.04898	0.0309	0.03056	2.33E-01	1.30E-03	8.96E-08	1.01E-03	2.62E-02	3.17E-03	5.04E-03	4.79E-03	2.65E-01
5273	477863.09	3865877.25	0.04846	0.03148	0.04312	0.04585	0.10178	0.04492	0.0311	0.03148	2.33E-01	1.34E-03	1.03E-07	1.11E-03	2.20E-02	2.91E-03	5.07E-03	4.93E-03	2.60E-01
5274	478363.09	3865877.25	0.04629	0.03149	0.04639	0.0487	0.11191	0.04192	0.0317	0.03149	2.22E-01	1.34E-03	1.11E-07	1.18E-03	2.41E-02	2.71E-03	5.17E-03	4.93E-03	2.52E-01
5275	478863.09	3865877.25	0.05007	0.03187	0.0403	0.04638	0.07952	0.04347	0.0319	0.03187	2.40E-01	1.36E-03	9.67E-08	1.12E-03	1.72E-02	2.81E-03	5.21E-03	4.99E-03	2.63E-01
5276	479363.09	3865877.25	0.04775	0.03346	0.04186	0.04519	0.05525	0.04403	0.0311	0.03346	2.29E-01	1.42E-03	1.00E-07	1.09E-03	1.19E-02	2.85E-03	5.08E-03	5.24E-03	2.46E-01
5277	479863.09	3865877.25	0.04352	0.03119	0.04886	0.0524	0.07826	0.04214	0.0295	0.03119	2.09E-01	1.33E-03	1.17E-07	1.27E-03	1.69E-02	2.73E-03	4.82E-03	4.89E-03	2.31E-01
5278	480363.09	3865877.25	0.04209	0.02935	0.03634	0.04894	0.07699	0.03947	0.0281	0.02935	2.02E-01	1.25E-03	8.72E-08	1.19E-03	1.66E-02	2.55E-03	4.58E-03	4.60E-03	2.24E-01
5279	480863.09	3865877.25	0.04303	0.02792	0.04018	0.04613	0.07247	0.03766	0.0267	0.02792	2.06E-01	1.19E-03	9.64E-08	1.12E-03	1.56E-02	2.44E-03	4.36E-03	4.37E-03	2.27E-01
5280	481363.09	3865877.25	0.04465	0.02717	0.04202	0.04488	0.08531	0.03715	0.0271	0.02717	2.14E-01	1.16E-03	1.01E-07	1.09E-03	1.84E-02	2.40E-03	4.42E-03	4.26E-03	2.37E-01
5281	481863.09	3865877.25	0.04269	0.02853	0.04736	0.04944	0.11517	0.03854	0.0285	0.02853	2.05E-01	1.21E-03	1.14E-07	1.20E-03	2.48E-02	2.49E-03	4.65E-03	4.47E-03	2.35E-01
5282	482363.09	3865877.25	0.04123	0.03006	0.0606	0.05151	0.13426	0.0391	0.03	0.03006	1.98E-01	1.28E-03	1.45E-07	1.25E-03	2.90E-02	2.53E-03	4.90E-03	4.71E-03	2.32E-01
5283	482863.09	3865877.25	0.04078	0.02917	0.05593	0.04373	0.12847	0.04201	0.0294	0.02917	1.96E-01	1.24E-03	1.34E-07	1.06E-03	2.77E-02	2.72E-03	4.79E-03	4.57E-03	2.29E-01
5284	483363.09	3865877.25	0.04159	0.03028	0.05619	0.0409	0.11021	0.04229	0.0305	0.03028	2.00E-01	1.29E-03	1.35E-07	9.91E-04	2.38E-02	2.74E-03	4.97E-03	4.74E-03	2.29E-01
5285	483863.09	3865877.25	0.04154	0.03125	0.05059	0.04539	0.08116	0.04564	0.0315	0.03125	1.99E-01	1.33E-03	1.21E-07	1.10E-03	1.75E-02	2.95E-03	5.14E-03	4.90E-03	2.22E-01
5286	484363.09	3865877.25	0.04231	0.03216	0.03732	0.04675	0.05895	0.04241	0.0324	0.03216	2.03E-01	1.37E-03	8.95E-08	1.13E-03	1.27E-02	2.74E-03	5.28E-03	5.04E-03	2.21E-01
5287	484863.09	3865877.25	0.04068	0.03274	0.03618	0.058	0.04878	0.04329	0.0329	0.03274	1.95E-01	1.39E-03	8.68E-08	1.41E-03	1.05E-02	2.80E-03	5.37E-03	5.13E-03	2.12E-01
5288	485363.09	3865877.25	0.04275	0.03333	0.04452	0.06069	0.02341	0.04603	0.033	0.03333	2.05E-01	1.42E-03	1.07E-07	1.47E-03	5.05E-03	2.98E-03	5.38E-03	5.22E-03	2.16E-01
5289	485863.09	3865877.25	0.04756	0.03426	0.06288	0.06995	0.04053	0.05332	0.0339	0.03426	2.28E-01	1.46E-03	1.51E-07	1.69E-03	8.74E-03	3.45E-03	5.54E-03	5.37E-03	2.44E-01
5290	486363.09	3865877.25	0.04645	0.03297	0.0625	0.07569	0.04511	0.05743	0.033	0.03297	2.23E-01	1.40E-03	1.50E-07	1.83E-03	9.73E-03	3.72E-03	5.39E-03	5.16E-03	2.40E-01
5291	486863.09	3865877.25	0.03652	0.0311	0.05697	0.06989	0.08511	0.05282	0.0311	0.0311	1.75E-01	1.32E-03	1.37E-07	1.69E-03	1.84E-02	3.42E-03	5.07E-03	4.87E-03	2.00E-01
5292	487363.09	3865877.25	0.03766	0.03256	0.03393	0.08512	0.11644	0.05209	0.0328	0.03256	1.81E-01	1.39E-03	8.14E-08	2.06E-03	2.51E-02	3.37E-03	5.36E-03	5.10E-03	2.13E-01
5293	487863.09	3865877.25	0.04216	0.03353	0.03061	0.07544	0.07386	0.05056	0.0345	0.03353	2.02E-01	1.43E-03	7.34E-08	1.83E-03	1.59E-02	3.27E-03	5.62E-03	5.25E-03	2.25E-01
5294	488363.09	3865877.25	0.03818	0.0343	0.026	0.06903	0.03897	0.03964	0.0351	0.0343	1.83E-01	1.46E-03	6.24E-08	1.67E-03	8.40E-03	2.56E-03	5.72E-03	5.37E-03	1.98E-01
5295	488863.09	3865877.25	0.03577	0.03461	0.05495	0.05057	0.03512	0.03146	0.0349	0.03461	1.72E-01	1.47E-03	1.32E-07	1.23E-03	7.57E-03	2.04E-03	5.69E-03	5.42E-03	1.84E-01
5296	489363.09	3865877.25	0.04784	0.0346	0.06689	0.06193	0.0242	0.02916	0.0347	0.0346	2.30E-01	1.47E-03	1.60E-07	1.50E-03	5.22E-03	1.89E-03	5.66E-03	5.42E-03	2.40E-01
5297	489863.09	3865877.25	0.0595	0.03571	0.03634	0.03548	0.01528	0.03833	0.0318	0.03571	2.86E-01	1.52E-03	8.72E-08	8.60E-04	3.30E-03	2.48E-03	5.19E-03	5.59E-03	2.93E-01

5298	490363.09	3865877.25	0.07109	0.03341	0.03074	0.0392	0.03327	0.05479	0.0324	0.03341	3.41E-01	1.42E-03	7.37E-08	9.50E-04	7.18E-03	3.55E-03	5.28E-03	5.23E-03	3.54E-01
5299	490863.09	3865877.25	0.08541	0.02922	0.03149	0.05684	0.0396	0.07287	0.0266	0.02922	4.10E-01	1.24E-03	7.55E-08	1.38E-03	8.54E-03	4.71E-03	4.33E-03	4.58E-03	4.26E-01
5300	491363.09	3865877.25	0.08647	0.02739	0.04338	0.0435	0.04443	0.05844	0.0276	0.02739	4.15E-01	1.17E-03	1.04E-07	1.05E-03	9.58E-03	3.78E-03	4.51E-03	4.29E-03	4.31E-01
5301	491863.09	3865877.25	0.08726	0.03849	0.03015	0.05291	0.08445	0.07014	0.0304	0.03849	4.19E-01	1.64E-03	7.23E-08	1.28E-03	1.82E-02	4.54E-03	4.97E-03	6.03E-03	4.43E-01
5302	492363.09	3865877.25	0.09405	0.03561	0.03129	0.06029	0.16498	0.0607	0.0338	0.03561	4.51E-01	1.52E-03	7.50E-08	1.46E-03	3.56E-02	3.93E-03	5.51E-03	5.58E-03	4.94E-01
5303	492863.09	3865877.25	0.09537	0.02195	0.03097	0.03774	0.12421	0.0395	0.0278	0.02195	4.58E-01	9.34E-04	7.43E-08	9.14E-04	2.68E-02	2.56E-03	4.53E-03	3.44E-03	4.90E-01
5304	493363.09	3865877.25	0.0752	0.02144	0.02889	0.04109	0.1016	0.03837	0.0274	0.02144	3.61E-01	9.12E-04	6.93E-08	9.95E-04	2.19E-02	2.48E-03	4.48E-03	3.36E-03	3.88E-01
5305	493863.09	3865877.25	0.06461	0.02551	0.02736	0.04638	0.11621	0.04355	0.0277	0.02551	3.10E-01	1.09E-03	6.56E-08	1.12E-03	2.51E-02	2.82E-03	4.53E-03	4.00E-03	3.41E-01
5306	494363.09	3865877.25	0.07172	0.03045	0.04541	0.05488	0.10063	0.04265	0.0314	0.03045	3.44E-01	1.30E-03	1.09E-07	1.33E-03	2.17E-02	2.76E-03	5.12E-03	4.77E-03	3.72E-01
5307	494863.09	3865877.25	0.07356	0.03607	0.04571	0.05969	0.08412	0.05173	0.0353	0.03607	3.53E-01	1.53E-03	1.10E-07	1.45E-03	1.81E-02	3.35E-03	5.77E-03	5.65E-03	3.78E-01
5308	495363.09	3865877.25	0.07794	0.04462	0.04771	0.05303	0.05627	0.06147	0.0363	0.04462	3.74E-01	1.90E-03	1.14E-07	1.28E-03	1.21E-02	3.98E-03	5.92E-03	6.99E-03	3.92E-01
5309	495863.09	3865877.25	0.06643	0.04411	0.05413	0.05337	0.07341	0.04994	0.0339	0.04411	3.19E-01	1.88E-03	1.30E-07	1.29E-03	1.58E-02	3.23E-03	5.54E-03	6.91E-03	3.40E-01
5310	496363.09	3865877.25	0.07521	0.04812	0.05077	0.0455	0.0649	0.04684	0.046	0.04812	3.61E-01	2.05E-03	1.22E-07	1.10E-03	1.40E-02	3.03E-03	7.51E-03	7.54E-03	3.81E-01
5311	496863.09	3865877.25	0.07663	0.04677	0.04176	0.06371	0.08781	0.04397	0.0506	0.04677	3.68E-01	1.99E-03	1.00E-07	1.54E-03	1.89E-02	2.84E-03	8.26E-03	7.33E-03	3.94E-01
5312	497363.09	3865877.25	0.06151	0.04497	0.04216	0.05828	0.09581	0.04861	0.0477	0.04497	2.95E-01	1.91E-03	1.01E-07	1.41E-03	2.07E-02	3.15E-03	7.79E-03	7.04E-03	3.23E-01
5313	497863.09	3865877.25	0.06715	0.04643	0.04852	0.05915	0.07732	0.04988	0.0544	0.04643	3.22E-01	1.98E-03	1.16E-07	1.43E-03	1.67E-02	3.23E-03	8.89E-03	7.27E-03	3.47E-01
5314	498363.09	3865877.25	0.07888	0.04364	0.04605	0.04853	0.06631	0.05512	0.0413	0.04364	3.79E-01	1.86E-03	1.10E-07	1.18E-03	1.43E-02	3.57E-03	6.75E-03	6.84E-03	3.99E-01
5315	471363.09	3866377.25	0.04498	0.02579	0.0279	0.03457	0.07483	0.03618	0.0258	0.02579	2.16E-01	1.10E-03	6.69E-08	8.38E-04	1.61E-02	2.34E-03	4.21E-03	4.04E-03	2.36E-01
5316	471863.09	3866377.25	0.04334	0.02575	0.03333	0.03761	0.0904	0.03692	0.0259	0.02575	2.08E-01	1.10E-03	7.99E-08	9.11E-04	1.95E-02	2.39E-03	4.23E-03	4.03E-03	2.32E-01
5317	472363.09	3866377.25	0.04617	0.02631	0.03123	0.03864	0.08603	0.03668	0.0262	0.02631	2.22E-01	1.12E-03	7.49E-08	9.36E-04	1.86E-02	2.37E-03	4.28E-03	4.12E-03	2.45E-01
5318	472863.09	3866377.25	0.04737	0.02682	0.02923	0.03489	0.10325	0.03478	0.0265	0.02682	2.27E-01	1.14E-03	7.01E-08	8.45E-04	2.23E-02	2.25E-03	4.32E-03	4.20E-03	2.54E-01
5319	473363.09	3866377.25	0.04827	0.02752	0.03145	0.03359	0.11003	0.03436	0.0263	0.02752	2.32E-01	1.17E-03	7.54E-08	8.14E-04	2.37E-02	2.22E-03	4.30E-03	4.31E-03	2.60E-01
5320	473863.09	3866377.25	0.04788	0.02775	0.03112	0.03247	0.09155	0.03584	0.0259	0.02775	2.30E-01	1.18E-03	7.46E-08	7.87E-04	1.97E-02	2.32E-03	4.23E-03	4.35E-03	2.54E-01
5321	474363.09	3866377.25	0.04826	0.02784	0.03136	0.03176	0.07641	0.03913	0.0262	0.02784	2.32E-01	1.18E-03	7.52E-08	7.69E-04	1.65E-02	2.53E-03	4.28E-03	4.36E-03	2.52E-01
5322	474863.09	3866377.25	0.0452	0.02795	0.03435	0.03358	0.08733	0.0412	0.0267	0.02795	2.17E-01	1.19E-03	8.24E-08	8.14E-04	1.88E-02	2.67E-03	4.35E-03	4.38E-03	2.40E-01
5323	475363.09	3866377.25	0.04394	0.028	0.03275	0.0336	0.12636	0.04045	0.027	0.028	2.11E-01	1.19E-03	7.85E-08	8.14E-04	2.73E-02	2.62E-03	4.41E-03	4.39E-03	2.43E-01
5324	475863.09	3866377.25	0.0466	0.02791	0.03135	0.03673	0.10068	0.03998	0.0272	0.02791	2.24E-01	1.19E-03	7.52E-08	8.90E-04	2.17E-02	2.59E-03	4.45E-03	4.37E-03	2.50E-01
5325	476363.09	3866377.25	0.04748	0.02781	0.03655	0.03893	0.10787	0.04609	0.0275	0.02781	2.28E-01	1.18E-03	8.77E-08	9.43E-04	2.33E-02	2.98E-03	4.48E-03	4.36E-03	2.56E-01
5326	476863.09	3866377.25	0.04896	0.02369	0.03799	0.04018	0.11446	0.04433	0.0234	0.02369	2.35E-01	1.01E-03	9.11E-08	9.73E-04	2.47E-02	2.87E-03	3.81E-03	3.71E-03	2.65E-01
5327	477363.09	3866377.25	0.04975	0.02676	0.03668	0.04413	0.1028	0.04329	0.0266	0.02676	2.39E-01	1.14E-03	8.80E-08	1.07E-03	2.22E-02	2.80E-03	4.34E-03	4.19E-03	2.66E-01
5328	477863.09	3866377.25	0.04581	0.02754	0.04094	0.04854	0.1077	0.04286	0.0269	0.02754	2.20E-01	1.17E-03	9.82E-08	1.18E-03	2.32E-02	2.77E-03	4.38E-03	4.31E-03	2.48E-01
5329	478363.09	3866377.25	0.04751	0.02751	0.0386	0.0427	0.07406	0.04164	0.026	0.02751	2.28E-01	1.17E-03	9.26E-08	1.03E-03	1.60E-02	2.69E-03	4.25E-03	4.31E-03	2.49E-01
5330	478863.09	3866377.25	0.04343	0.02711	0.03906	0.04641	0.04867	0.03938	0.0249	0.02711	2.08E-01	1.15E-03	9.37E-08	1.12E-03	1.05E-02	2.55E-03	4.06E-03	4.25E-03	2.24E-01
5331	479363.09	3866377.25	0.03897	0.02501	0.04369	0.04542	0.06941	0.03875	0.0239	0.02501	1.87E-01	1.06E-03	1.05E-07	1.10E-03	1.50E-02	2.51E-03	3.90E-03	3.92E-03	2.07E-01
5332	479863.09	3866377.25	0.04085	0.02569	0.04413	0.04598	0.07391	0.03678	0.0256	0.02569	1.96E-01	1.09E-03	1.06E-07	1.11E-03	1.59E-02	2.38E-03	4.18E-03	4.02E-03	2.17E-01
5333	480363.09	3866377.25	0.04183	0.02669	0.03542	0.04237	0.07197	0.03298	0.0268	0.02669	2.01E-01	1.14E-03	8.49E-08	1.03E-03	1.55E-02	2.13E-03	4.37E-03	4.18E-03	2.21E-01
5334	480863.09	3866377.25	0.04157	0.02625	0.03129	0.04273	0.07198	0.03213	0.0264	0.02625	1.99E-01	1.12E-03	7.50E-08	1.04E-03	1.55E-02	2.08E-03	4.31E-03	4.11E-03	2.19E-01
5335	481363.09	3866377.25	0.04113	0.02713	0.04467	0.0479	0.08498	0.03528	0.0273	0.02713	1.97E-01	1.15E-03	1.07E-07	1.16E-03	1.83E-02	2.28E-03	4.46E-03	4.25E-03	2.21E-01
5336	481863.09	3866377.25	0.0371	0.02763	0.04921	0.04773	0.11818	0.03548	0.0278	0.02763	1.78E-01	1.18E-03	1.18E-07	1.16E-03	2.55E-02	2.30E-03	4.54E-03	4.33E-03	2.08E-01
5337	482363.09	3866377.25	0.03714	0.02832	0.05215	0.04081	0.14289	0.03941	0.0285	0.02832	1.78E-01	1.20E-03	1.25E-07	9.89E-04	3.08E-02	2.55E-03	4.65E-03	4.44E-03	2.14E-01
5338	482863.09	3866377.25	0.03957	0.02897	0.04729	0.03763	0.13008	0.03986	0.0292	0.02897	1.90E-01	1.23E-03	1.13E-07	9.12E-04	2.81E-02	2.58E-03	4.76E-03	4.54E-03	2.23E-01
5339	483363.09	3866377.25	0.04065	0.0289	0.04969	0.04204	0.09227	0.03981	0.0291	0.0289	1.95E-01	1.23E-03	1.19E-07	1.02E-03	1.99E-02	2.58E-03	4.75E-03	4.53E-03	2.20E-01
5340	483863.09	3866377.25	0.03996	0.0288	0.04183	0.04458	0.0627	0.04063	0.0286	0.0288	1.92E-01	1.23E-03	1.00E-07	1.08E-03	1.35E-02	2.63E-03	4.67E-03	4.51E-03	2.10E-01
5341	484363.09	3866377.25	0.03945	0.02989	0.03281	0.05065	0.06767	0.03957	0.0297	0.02989	1.89E-01	1.27E-03	7.87E-08	1.23E-03	1.46E-02	2.56E-03	4.84E-03	4.68E-03	2.09E-01
5342	484863.09	3866377.25	0.03921	0.02813	0.04648	0.05379	0.0369	0.04208	0.0281	0.02813	1.88E-01	1.20E-03	1.11E-07	1.30E-03	7.96E-03	2.72E-03	4.59E-03	4.41E-03	2.02E-01
5343	485363.09	3866377.25	0.0407	0.02713	0.04099	0.06031	0.02529	0.04331	0.0272	0.02713	1.95E-01	1.15E-03	9.83E-08	1.46E-03	5.45E-03	2.80E-03	4.44E-03	4.25E-03	2.06E-01
5344	485863.09	3866377.25	0.04604	0.02836	0.0406	0.0683	0.03583	0.05052	0.0284	0.02836	2.21E-01	1.21E-03	9.74E-08	1.65E-03	7.73E-03	3.27E-03	4.64E-03	4.44E-03	2.35E-01
5345	486363.09	3866377.25	0.04	0.02993	0.05689	0.06745	0.03684	0.04882	0.03	0.02993	1.92E-01	1.27E-03	1.36E-07	1.63E-03	7.95E-03	3.16E-03	4.90E-03	4.69E-03	2.06E-01
5346	486863.09	3866377.25	0.03339	0.03061	0.04754	0.06753	0.08692	0.04634	0.0313	0.03061	1.60E-01	1.30E-03	1.14E-07	1.64E-03	1.87E-02	3.00E-03	5.11E-03	4.80E-03	1.85E-01
5347	487363.09	3866377.25	0.03738	0.03184	0.02833	0.0765	0.11559	0.04416	0.0327	0.03184	1.79E-01	1.35E-03	6.79E-08	1.85E-03	2.49E-02	2.86E-03	5.34E-03	4.99E-03	2.11E-01
5348	487863.09	3866377.25	0.04153	0.03119	0.03318	0.05803	0.07371	0.0401	0.0322	0.03119	1.99E-01	1.33E-03	7.96E-08	1.41E-03	1.59E-02	2.59E-03	5.26E-03	4.89E-03	2.21E-01
5349	488363.09	3866377.25	0.03671	0.02788	0.02751	0.07062	0.03905	0.03511	0.028	0.02788	1.76E-01	1.19E-03	6.60E-08	1.71E-03	8.42E-03	2.27E-03	4.57E-03	4.37E-03	1.90E-01
5350	488863.09	3866377.25	0.03746	0.02588	0.04026	0.04356	0.0349	0.0286	0.0262	0.02588	1.80E-01	1.10E-03	9.66E-08	1.06E-03	7.53E-03	1.85E-03	4.28E-03	4.05E-03	1.92E-01
5351	489363.09	3866377.25	0.04157	0.02851	0.06923	0.04993	0.02812	0.02621	0.026	0.02851	1.99E-01	1.21E-03	1.66E-07	1.21E-03	6.06E-03	1.70E-03	4.25E-03	4.47E-03	2.09E-01
5352	489863.09	3866377.25	0.05851	0.03246	0.03775	0.03434	0.01589	0.03322	0.025	0.03246	2.81E-01	1.38E-03	9.05E-08	8.32E-04	3.43E-03	2.15E-03	4.08E-03	5.08E-03	2.88E-01
5353	490363.09	3866377.25	0.06239	0.03239	0.0271	0.02893	0.02118	0.04414	0.0286	0.03239	2.99E-01	1.38E-03	6.50E-08	7.01E-04	4.57E-03	2.86E-03	4.67E-03	5.07E-03	3.08E-01
5354	490863.09	3866377.25	0.07031	0.03237	0.02265	0.0499	0.02614	0.05865	0.0281	0.03237	3.37E-01	1.38E-03	5.43E-08	1.21E-03	5.64E-03	3.79E-03	4.59E-03	5.07E-03	3.49E-01

5355	491363.09	3866377.25	0.07787	0.02832	0.03009	0.04918	0.03394	0.06653	0.028	0.02832	3.74E-01	1.20E-03	7.22E-08	1.19E-03	7.32E-03	4.30E-03	4.58E-03	4.44E-03	3.88E-01
5356	491863.09	3866377.25	0.09291	0.0297	0.03342	0.04259	0.04819	0.04984	0.0246	0.0297	4.46E-01	1.26E-03	8.02E-08	1.03E-03	1.04E-02	3.22E-03	4.02E-03	4.65E-03	4.61E-01
5357	492363.09	3866377.25	0.07862	0.03841	0.02696	0.0499	0.11131	0.06574	0.0329	0.03841	3.77E-01	1.63E-03	6.47E-08	1.21E-03	2.40E-02	4.25E-03	5.37E-03	6.02E-03	4.08E-01
5358	492863.09	3866377.25	0.09052	0.02716	0.02885	0.04862	0.14067	0.05095	0.0287	0.02716	4.34E-01	1.16E-03	6.92E-08	1.18E-03	3.03E-02	3.30E-03	4.69E-03	4.25E-03	4.71E-01
5359	493363.09	3866377.25	0.08318	0.02346	0.03667	0.03859	0.12665	0.04714	0.0253	0.02346	3.99E-01	9.98E-04	8.79E-08	9.35E-04	2.73E-02	3.05E-03	4.12E-03	3.68E-03	4.32E-01
5360	493863.09	3866377.25	0.07932	0.02402	0.02837	0.04941	0.09826	0.04704	0.0288	0.02402	3.81E-01	1.02E-03	6.80E-08	1.20E-03	2.12E-02	3.04E-03	4.70E-03	3.76E-03	4.08E-01
5361	494363.09	3866377.25	0.06124	0.03037	0.0324	0.05468	0.11828	0.04299	0.0312	0.03037	2.94E-01	1.29E-03	7.77E-08	1.32E-03	2.55E-02	2.78E-03	5.09E-03	4.76E-03	3.25E-01
5362	494863.09	3866377.25	0.06587	0.02959	0.04677	0.05394	0.08725	0.04263	0.0304	0.02959	3.16E-01	1.26E-03	1.12E-07	1.31E-03	1.88E-02	2.76E-03	4.96E-03	4.64E-03	3.41E-01
5363	495363.09	3866377.25	0.0695	0.0329	0.04388	0.05368	0.07534	0.05063	0.0331	0.0329	3.34E-01	1.40E-03	1.05E-07	1.30E-03	1.62E-02	3.28E-03	5.40E-03	5.15E-03	3.56E-01
5364	495863.09	3866377.25	0.07265	0.03393	0.0427	0.04828	0.04844	0.04789	0.0304	0.03393	3.49E-01	1.44E-03	1.02E-07	1.17E-03	1.04E-02	3.10E-03	4.95E-03	5.32E-03	3.64E-01
5365	496363.09	3866377.25	0.06613	0.04024	0.05107	0.04922	0.0457	0.04282	0.0309	0.04024	3.17E-01	1.71E-03	1.22E-07	1.19E-03	9.86E-03	2.77E-03	5.04E-03	6.30E-03	3.32E-01
5366	496863.09	3866377.25	0.06978	0.0419	0.04108	0.04008	0.05559	0.04161	0.0404	0.0419	3.35E-01	1.78E-03	9.85E-08	9.71E-04	1.20E-02	2.69E-03	6.59E-03	6.56E-03	3.52E-01
5367	497363.09	3866377.25	0.06397	0.04132	0.03835	0.06033	0.06995	0.04221	0.0485	0.04132	3.07E-01	1.76E-03	9.20E-08	1.46E-03	1.51E-02	2.73E-03	7.91E-03	6.47E-03	3.29E-01
5368	497863.09	3866377.25	0.06199	0.04099	0.04099	0.0567	0.08882	0.04693	0.0467	0.04099	2.97E-01	1.74E-03	9.83E-08	1.37E-03	1.92E-02	3.04E-03	7.61E-03	6.42E-03	3.24E-01
5369	498363.09	3866377.25	0.05294	0.04227	0.03472	0.04306	0.07305	0.04123	0.0423	0.04227	2.54E-01	1.80E-03	8.33E-08	1.04E-03	1.58E-02	2.67E-03	6.90E-03	6.62E-03	2.76E-01
5370	474494.92	3848334.16	0.07087	1.26131	0.0118	0.01448	0.01904	0.01989	1.2701	1.26131	3.40E-01	5.37E-02	2.83E-08	3.51E-04	4.11E-03	1.29E-03	2.07E-01	1.98E-01	4.09E-01
5371	475167.27	3848920.79	0.13982	1.44559	0.01543	0.01605	0.02272	0.02077	1.4533	1.44559	6.71E-01	6.15E-02	3.70E-08	3.89E-04	4.90E-03	1.34E-03	2.37E-01	2.26E-01	7.50E-01
5372	475297.89	3848997.96	0.15292	1.09748	0.01527	0.0166	0.02311	0.02095	1.1126	1.09748	7.34E-01	4.67E-02	3.66E-08	4.02E-04	4.98E-03	1.36E-03	1.82E-01	1.72E-01	7.97E-01
5373	475439.05	3849062	0.16993	1.2182	0.01473	0.01774	0.02355	0.02109	1.2316	1.2182	8.15E-01	5.18E-02	3.53E-08	4.30E-04	5.08E-03	1.36E-03	2.01E-01	1.91E-01	8.84E-01
5374	475486.86	3849061.09	0.16331	0.98028	0.01333	0.01724	0.02278	0.02112	0.9896	0.98028	7.84E-01	4.17E-02	3.20E-08	4.18E-04	4.91E-03	1.37E-03	1.62E-01	1.54E-01	8.40E-01
5375	475538.46	3849075.56	0.16269	0.97798	0.01349	0.01701	0.02239	0.02117	0.9868	0.97798	7.81E-01	4.16E-02	3.24E-08	4.12E-04	4.83E-03	1.37E-03	1.61E-01	1.53E-01	8.37E-01
5376	475751.79	3849137.15	0.15328	1.4473	0.01287	0.01623	0.02084	0.02242	1.4712	1.4473	7.36E-01	6.16E-02	3.09E-08	3.93E-04	4.49E-03	1.45E-03	2.40E-01	2.27E-01	8.17E-01
5377	476303.62	3849223.38	0.11093	1.35872	0.01631	0.01736	0.02031	0.02341	1.3657	1.35872	5.32E-01	5.78E-02	3.91E-08	4.21E-04	4.38E-03	1.51E-03	2.23E-01	2.13E-01	6.07E-01
5378	476304.51	3849238.92	0.14028	1.81745	0.01626	0.01722	0.02031	0.02343	1.827	1.81745	6.73E-01	7.73E-02	3.90E-08	4.17E-04	4.38E-03	1.52E-03	2.98E-01	2.85E-01	7.70E-01
5379	476365.04	3849247.98	0.12359	1.65315	0.01651	0.01767	0.02037	0.02349	1.6717	1.65315	5.93E-01	7.03E-02	3.96E-08	4.28E-04	4.39E-03	1.52E-03	2.73E-01	2.59E-01	6.84E-01
5380	476444.86	3849267.13	0.11107	1.65347	0.01682	0.01813	0.0204	0.02352	1.6748	1.65347	5.33E-01	7.04E-02	4.03E-08	4.39E-04	4.40E-03	1.52E-03	2.73E-01	2.59E-01	6.24E-01
5381	476550.75	3849300.66	0.10458	1.94549	0.0172	0.01818	0.02056	0.02363	2.008	1.94549	5.02E-01	8.28E-02	4.13E-08	4.40E-04	4.43E-03	1.53E-03	3.28E-01	3.05E-01	6.14E-01
5382	476656.71	3849346.88	0.11652	1.7258	0.01755	0.01896	0.02116	0.02373	1.7568	1.7258	5.59E-01	7.34E-02	4.21E-08	4.59E-04	4.56E-03	1.54E-03	2.87E-01	2.70E-01	6.56E-01
5383	476873.55	3849454.53	0.15492	1.74004	0.01865	0.02033	0.02225	0.02275	1.7644	1.74004	7.43E-01	7.40E-02	4.47E-08	4.93E-04	4.80E-03	1.47E-03	2.88E-01	2.73E-01	8.40E-01
5384	477700	3849859.7	0.1695	1.83419	0.02118	0.02425	0.03145	0.02221	1.8123	1.83419	8.13E-01	7.80E-02	5.08E-08	5.88E-04	6.78E-03	1.44E-03	2.96E-01	2.87E-01	9.09E-01
5385	477743.16	3849856.38	0.15424	1.28116	0.02138	0.02461	0.03195	0.02224	1.278	1.28116	7.40E-01	5.45E-02	5.13E-08	5.96E-04	6.89E-03	1.44E-03	2.09E-01	2.01E-01	8.12E-01
5386	478477.35	3850216.33	0.18325	1.32775	0.02241	0.0277	0.03585	0.02385	1.3052	1.32775	8.79E-01	5.65E-02	5.37E-08	6.71E-04	7.73E-03	1.54E-03	2.13E-01	2.08E-01	9.51E-01
5387	478485.8	3850201.6	0.16698	1.07526	0.02217	0.02781	0.03606	0.0237	1.0559	1.07526	8.01E-01	4.58E-02	5.32E-08	6.74E-04	7.78E-03	1.53E-03	1.72E-01	1.68E-01	8.61E-01
5388	479113.21	3850501.53	0.23225	0.97715	0.01929	0.02996	0.03924	0.02755	0.9601	0.97715	1.11E+00	4.16E-02	4.63E-08	7.26E-04	8.46E-03	1.78E-03	1.57E-01	1.53E-01	1.17E+00
5389	479108.11	3850382.28	0.1603	0.5141	0.01883	0.0294	0.03945	0.02679	0.5124	0.5141	7.69E-01	2.19E-02	4.52E-08	7.12E-04	8.51E-03	1.73E-03	8.36E-02	8.05E-02	8.05E-01
5390	479689.85	3850674.28	0.23536	0.54806	0.02398	0.02497	0.04823	0.02579	0.5436	0.54806	1.13E+00	2.33E-02	5.75E-08	6.05E-04	1.04E-02	1.67E-03	8.87E-02	8.59E-02	1.17E+00
5391	479952.42	3850774.28	0.20966	0.47329	0.02521	0.02474	0.04734	0.02802	0.4705	0.47329	1.01E+00	2.01E-02	6.05E-08	5.99E-04	1.02E-02	1.81E-03	7.68E-02	7.41E-02	1.04E+00
5392	479911.32	3850884.85	0.23259	0.96024	0.02525	0.02763	0.04585	0.02605	0.9267	0.96024	1.12E+00	4.09E-02	6.06E-08	6.69E-04	9.89E-03	1.69E-03	1.51E-01	1.50E-01	1.17E+00
5393	480500.92	3851178.12	0.20392	0.959	0.02974	0.02921	0.04673	0.0375	0.9497	0.959	9.79E-01	4.08E-02	7.13E-08	7.08E-04	1.01E-02	2.43E-03	1.55E-01	1.50E-01	1.04E+00
5394	480738.01	3851289.27	0.20578	0.90953	0.03169	0.03041	0.04888	0.04877	0.9133	0.90953	9.88E-01	3.87E-02	7.60E-08	7.37E-04	1.05E-02	3.16E-03	1.49E-01	1.42E-01	1.05E+00
5395	481055.42	3851443.58	0.20702	0.89434	0.02699	0.03126	0.05199	0.04816	0.9135	0.89434	9.93E-01	3.81E-02	6.47E-08	7.57E-04	1.12E-02	3.12E-03	1.49E-01	1.40E-01	1.06E+00
5396	481110.22	3851443.15	0.17057	0.75668	0.02751	0.03225	0.05286	0.04284	0.7732	0.75668	8.19E-01	3.22E-02	6.60E-08	7.81E-04	1.14E-02	2.77E-03	1.26E-01	1.19E-01	8.73E-01
5397	481111.1	3851417.45	0.154	0.66216	0.02755	0.03264	0.05312	0.04084	0.6753	0.66216	7.39E-01	2.82E-02	6.61E-08	7.91E-04	1.15E-02	2.64E-03	1.10E-01	1.04E-01	7.89E-01
5398	482248.44	3852605.09	0.19307	0.9728	0.04609	0.0571	0.06687	0.11212	0.9775	0.9728	9.27E-01	4.14E-02	1.11E-07	1.38E-03	1.44E-02	7.25E-03	1.60E-01	1.52E-01	9.98E-01
5399	482273.34	3852632.31	0.1931	0.98596	0.04649	0.06058	0.06776	0.12008	0.9903	0.98596	9.27E-01	4.20E-02	1.11E-07	1.47E-03	1.46E-02	7.77E-03	1.62E-01	1.54E-01	1.00E+00
5400	482665.46	3853038.72	0.24339	0.89861	0.11075	0.1073	0.07762	0.15529	0.9103	0.89861	1.17E+00	3.82E-02	2.66E-07	2.60E-03	1.67E-02	1.00E-02	1.49E-01	1.41E-01	1.24E+00
5401	483077.95	3853844.31	0.39556	0.37836	0.20137	0.44207	0.07002	0.82285	0.5967	0.37836	1.90E+00	1.61E-02	4.83E-07	1.07E-02	1.51E-02	5.32E-02	9.74E-02	5.93E-02	2.03E+00
5402	483121.38	3853909.38	0.44584	0.33532	0.20714	1.02406	0.07807	1.79781	0.5865	0.33532	2.14E+00	1.43E-02	4.97E-07	2.48E-02	1.68E-02	1.16E-01	9.57E-02	5.25E-02	2.35E+00
5403	483492.64	3853911.49	0.37476	0.20158	0.10066	0.4198	0.10981	0.4455	0.2688	0.20158	1.80E+00	8.58E-03	2.41E-07	1.02E-02	2.37E-02	2.88E-02	4.39E-02	3.16E-02	1.88E+00
5404	483498.29	3854204.73	0.47632	0.20668	0.12887	3.24883	0.09693	1.31507	0.5396	0.20668	2.29E+00	8.79E-03	3.09E-07	7.87E-02	2.09E-02	8.51E-02	8.81E-02	3.24E-02	2.54E+00
5405	484132.44	3854662.55	0.5938	0.08726	0.53835	3.48873	0.10724	1.01401	0.8413	0.08726	2.85E+00	3.71E-03	1.29E-06	8.45E-02	2.31E-02	6.56E-02	1.37E-01	1.37E-02	3.15E+00
5406	484627.62	3854876.13	0.60123	0.10798	0.43821	4.43076	0.17188	0.83747	0.8177	0.10798	2.89E+00	4.59E-03	1.05E-06	1.07E-01	3.71E-02	5.42E-02	1.33E-01	1.69E-02	3.20E+00
5407	484756.14	3854949.04	0.58889	0.11533	0.39064	3.76045	0.19194	0.91407	0.8705	0.11533	2.83E+00	4.91E-03	9.37E-07	9.11E-02	4.14E-02	5.91E-02	1.42E-01	1.81E-02	3.15E+00
5408	486697.51	3856599.17	0.62168	0.09673	0.34617	2.80513	1.64458	0.72447	0.41	0.09673	2.98E+00	4.12E-03	8.30E-07	6.80E-02	3.55E-01	4.69E-02	6.69E-02	1.52E-02	3.51E+00
5409	487105.31	3856962.27	0.63161	0.11883	0.30816	3.03269	9.50724	0.8038	0.3776	0.11883	3.03E+00	5.06E-03	7.39E-07	7.35E-02	2.05E+00	5.20E-02	6.16E-02	1.86E-02	5.26E+00
5410	487157.57	3856901.7	0.5514	0.11458	0.27641	1.23642	8.94267	0.58657	0.3154	0.11458	2.65E+00	4.88E-03	6.63E-07	3.00E-02	1.93E+00	3.80E-02	5.15E-02	1.79E-02	4.68E+00
5411	487173.5	3856853.74	0.52211	0.11141	0.30576	0.94607	7.0506	0.51521	0.2987	0.11141	2.51E+00	4.74E-03	7.33E-07	2.29E-02	1.52E+00	3.33E-02	4.88E-02	1.75E-02	4.12E+00

5412	487564.41	3856860.83	0.40792	0.10556	0.27422	0.4891	7.44535	0.32002	0.213	0.10556	1.96E+00	4.49E-03	6.58E-07	1.18E-02	1.61E+00	2.07E-02	3.48E-02	1.65E-02	3.62E+00
5413	487563.31	3856931.58	0.41879	0.11063	0.28251	0.52004	8.99969	0.35489	0.2267	0.11063	2.01E+00	4.71E-03	6.78E-07	1.26E-02	1.94E+00	2.30E-02	3.70E-02	1.73E-02	4.01E+00
5414	487782.7	3856926.85	0.3742	0.10617	0.24608	0.40634	8.26268	0.29091	0.1967	0.10617	1.80E+00	4.52E-03	5.90E-07	9.84E-03	1.78E+00	1.88E-02	3.21E-02	1.66E-02	3.63E+00
5415	487782.39	3856757.07	0.35527	0.09527	0.26501	0.35301	5.81744	0.24044	0.1763	0.09527	1.70E+00	4.05E-03	6.36E-07	8.55E-03	1.25E+00	1.56E-02	2.88E-02	1.49E-02	3.00E+00
5416	487917.26	3856752.41	0.33335	0.09284	0.25375	0.31225	5.05653	0.22186	0.1654	0.09284	1.60E+00	3.95E-03	6.09E-07	7.56E-03	1.09E+00	1.44E-02	2.70E-02	1.45E-02	2.73E+00
5417	487919.57	3856953.35	0.35764	0.10548	0.25515	0.38197	8.71633	0.26637	0.183	0.10548	1.72E+00	4.49E-03	6.12E-07	9.25E-03	1.88E+00	1.72E-02	2.99E-02	1.65E-02	3.64E+00
5418	487932.76	3857000.32	0.36207	0.1073	0.26416	0.39764	9.5801	0.27786	0.1864	0.1073	1.74E+00	4.57E-03	6.34E-07	9.63E-03	2.07E+00	1.80E-02	3.04E-02	1.68E-02	3.85E+00
5419	487960.5	3857044.75	0.36357	0.10819	0.24861	0.40483	9.74065	0.289	0.1886	0.10819	1.74E+00	4.60E-03	5.96E-07	9.81E-03	2.10E+00	1.87E-02	3.08E-02	1.69E-02	3.89E+00
5420	488016.54	3857089.54	0.36094	0.1086	0.22736	0.401	9.65374	0.28768	0.186	0.1086	1.73E+00	4.62E-03	5.45E-07	9.71E-03	2.08E+00	1.86E-02	3.04E-02	1.70E-02	3.86E+00
5421	488114.39	3857165.47	0.35501	0.10932	0.32566	0.3934	8.94909	0.28534	0.1862	0.10932	1.70E+00	4.65E-03	7.81E-07	9.53E-03	1.93E+00	1.85E-02	3.04E-02	1.71E-02	3.68E+00
5422	488171.49	3857234.24	0.35341	0.11429	0.30088	0.39923	8.60724	0.30265	0.1911	0.11429	1.70E+00	4.86E-03	7.22E-07	9.67E-03	1.86E+00	1.96E-02	3.12E-02	1.79E-02	3.60E+00
5423	488193.16	3857297.8	0.35702	0.11932	0.2588	0.43361	8.48817	0.3236	0.199	0.11932	1.71E+00	5.08E-03	6.21E-07	1.05E-02	1.83E+00	2.09E-02	3.25E-02	1.87E-02	3.59E+00
5424	488189.27	3857649.94	0.4398	0.15414	0.53471	0.66866	6.9689	0.50074	0.2403	0.15414	2.11E+00	6.56E-03	1.28E-06	1.62E-02	1.50E+00	3.24E-02	3.92E-02	2.41E-02	3.68E+00
5425	488127.43	3857732.32	0.50529	0.16413	0.77439	0.9553	5.59824	0.70719	0.2735	0.16413	2.42E+00	6.98E-03	1.86E-06	2.31E-02	1.21E+00	4.58E-02	4.46E-02	2.57E-02	3.73E+00
5426	488149.93	3857752.94	0.5043	0.16495	0.99077	0.96594	5.06891	0.70765	0.2717	0.16495	2.42E+00	7.02E-03	2.38E-06	2.34E-02	1.09E+00	4.58E-02	4.43E-02	2.58E-02	3.61E+00
5427	488144.76	3857758.71	0.51009	0.16618	0.98579	1.00204	5.04067	0.73087	0.2756	0.16618	2.45E+00	7.07E-03	2.36E-06	2.43E-02	1.09E+00	4.73E-02	4.50E-02	2.60E-02	3.63E+00
5428	488335.58	3857932.55	0.51028	0.18547	1.0037	1.04723	2.66578	0.83524	0.2765	0.18547	2.45E+00	7.89E-03	2.41E-06	2.54E-02	5.75E-01	5.40E-02	4.51E-02	2.91E-02	3.13E+00
5429	488372.29	3857943.79	0.50138	0.18645	0.98433	0.97879	2.52052	0.79348	0.2708	0.18645	2.41E+00	7.93E-03	2.36E-06	2.37E-02	5.44E-01	5.13E-02	4.42E-02	2.92E-02	3.05E+00
5430	488828.64	3857936.4	0.37712	0.15871	0.62804	0.51599	2.14039	0.49449	0.1954	0.15871	1.81E+00	6.75E-03	1.51E-06	1.25E-02	4.62E-01	3.20E-02	3.19E-02	2.49E-02	2.33E+00
5431	488829.08	3857959.58	0.38311	0.1631	0.59236	0.52589	2.10804	0.50494	0.1973	0.1631	1.84E+00	6.94E-03	1.42E-06	1.27E-02	4.55E-01	3.27E-02	3.22E-02	2.55E-02	2.35E+00
5432	488351.61	3857964.55	0.52066	0.19062	0.99245	1.11543	2.55508	0.84724	0.2836	0.19062	2.50E+00	8.11E-03	2.38E-06	2.70E-02	5.51E-01	5.48E-02	4.63E-02	2.99E-02	3.16E+00
5433	488316.87	3857947.65	0.52925	0.1885	1.04315	1.17996	2.68984	0.88363	0.2891	0.1885	2.54E+00	8.02E-03	2.50E-06	2.86E-02	5.80E-01	5.72E-02	4.72E-02	2.95E-02	3.23E+00
5434	488129.1	3857775.77	0.52866	0.17036	1.09123	1.15107	4.6596	0.80438	0.2878	0.17036	2.54E+00	7.25E-03	2.62E-06	2.79E-02	1.00E+00	5.20E-02	4.70E-02	2.67E-02	3.65E+00
5435	488062.53	3857846.13	0.60572	0.1838	1.04071	3.40798	4.59685	1.47599	0.3609	0.1838	2.91E+00	7.82E-03	2.50E-06	8.26E-02	9.91E-01	9.55E-02	5.89E-02	2.88E-02	4.11E+00
5436	488330.41	3858091.34	0.61635	0.2293	0.81498	3.35174	2.38523	1.4565	0.337	0.2293	2.96E+00	9.76E-03	1.95E-06	8.12E-02	5.14E-01	9.42E-02	5.50E-02	3.59E-02	3.68E+00
5437	488470.87	3858174.45	0.62112	0.24062	0.69261	1.87708	2.08156	1.10825	0.3293	0.24062	2.98E+00	1.02E-02	1.66E-06	4.55E-02	4.49E-01	7.17E-02	5.38E-02	3.77E-02	3.57E+00
5438	488568.9	3858262.31	0.65103	0.26232	0.65588	1.90581	1.81991	1.13302	0.3435	0.26232	3.12E+00	1.12E-02	1.57E-06	4.62E-02	3.93E-01	7.33E-02	5.61E-02	4.11E-02	3.66E+00
5439	488964.27	3858025.71	0.42641	0.16712	0.56931	0.5133	1.8686	0.4724	0.1891	0.16712	2.05E+00	7.11E-03	1.37E-06	1.24E-02	4.03E-01	3.06E-02	3.09E-02	2.62E-02	2.50E+00
5440	489147.25	3857956.64	0.38863	0.14768	0.50935	0.4519	1.695	0.41019	0.1739	0.14768	1.86E+00	6.28E-03	1.22E-06	1.09E-02	3.66E-01	2.65E-02	2.84E-02	2.31E-02	2.28E+00
5441	489343.52	3857932.45	0.39024	0.13364	0.52973	0.41098	1.86284	0.35601	0.1609	0.13364	1.87E+00	5.69E-03	1.27E-06	9.96E-03	4.02E-01	2.30E-02	2.63E-02	2.09E-02	2.32E+00
5442	489866.19	3857923.19	0.36766	0.11438	0.37995	0.49029	1.62621	0.28241	0.1271	0.11438	1.76E+00	4.87E-03	9.11E-07	1.19E-02	3.51E-01	1.83E-02	2.07E-02	1.79E-02	2.15E+00
5443	489955.65	3857902.27	0.34907	0.10975	0.3621	0.4532	1.53215	0.27271	0.1219	0.10975	1.68E+00	4.67E-03	8.68E-07	1.10E-02	3.30E-01	1.76E-02	1.99E-02	1.72E-02	2.04E+00
5444	490079.44	3857847.9	0.30624	0.10588	0.3508	0.40601	1.40178	0.25819	0.1164	0.10588	1.47E+00	4.51E-03	8.41E-07	9.84E-03	3.02E-01	1.67E-02	1.90E-02	1.66E-02	1.81E+00
5445	490108.49	3857934.13	0.36202	0.10941	0.36323	0.48082	1.39987	0.26234	0.1195	0.10941	1.74E+00	4.66E-03	8.71E-07	1.16E-02	3.02E-01	1.70E-02	1.95E-02	1.71E-02	2.07E+00
5446	489884.48	3858014.17	0.35591	0.11925	0.36129	0.53586	1.57633	0.29374	0.1336	0.11925	1.71E+00	5.07E-03	8.66E-07	1.30E-02	3.40E-01	1.90E-02	2.18E-02	1.87E-02	2.09E+00
5447	489326.56	3858025.86	0.40396	0.14424	0.4938	0.46155	1.60347	0.37822	0.1657	0.14424	1.94E+00	6.14E-03	1.18E-06	1.12E-02	3.46E-01	2.45E-02	2.70E-02	2.26E-02	2.33E+00
5448	489130.38	3858056.71	0.4199	0.15672	0.53136	0.50896	1.59413	0.42186	0.1782	0.15672	2.02E+00	6.67E-03	1.27E-06	1.23E-02	3.44E-01	2.73E-02	2.91E-02	2.46E-02	2.41E+00
5449	488936.49	3858143.93	0.47293	0.18129	0.56322	0.6393	1.74491	0.55827	0.2048	0.18129	2.27E+00	7.71E-03	1.35E-06	1.55E-02	3.76E-01	3.61E-02	3.34E-02	2.84E-02	2.71E+00
5450	488638.08	3858327.45	0.62468	0.2676	0.69513	1.93502	1.70329	1.13152	0.3471	0.2676	3.00E+00	1.14E-02	1.67E-06	4.69E-02	3.67E-01	7.32E-02	5.67E-02	4.19E-02	3.51E+00
5451	488663.79	3858349.57	0.62466	0.26866	0.66068	1.9199	1.66072	1.11443	0.3472	0.26866	3.00E+00	1.14E-02	1.58E-06	4.65E-02	3.58E-01	7.21E-02	5.67E-02	4.21E-02	3.50E+00
5452	488694.56	3858349.5	0.60041	0.26504	0.65655	1.59208	1.59206	1.0095	0.3301	0.26504	2.88E+00	1.13E-02	1.57E-06	3.86E-02	3.43E-01	6.53E-02	5.39E-02	4.15E-02	3.35E+00
5453	488694.35	3858336.75	0.60444	0.26181	0.6707	1.4837	1.5827	0.98188	0.3227	0.26181	2.90E+00	1.11E-02	1.61E-06	3.59E-02	3.41E-01	6.35E-02	5.27E-02	4.10E-02	3.36E+00
5454	488712.81	3858336.38	0.58602	0.25864	0.65531	1.36718	1.53479	0.95375	0.3137	0.25864	2.81E+00	1.10E-02	1.57E-06	3.31E-02	3.31E-01	6.17E-02	5.12E-02	4.05E-02	3.26E+00
5455	488713.23	3858367.46	0.58821	0.26577	0.65559	1.60739	1.56024	1.01922	0.3313	0.26577	2.82E+00	1.13E-02	1.57E-06	3.89E-02	3.37E-01	6.59E-02	5.41E-02	4.16E-02	3.29E+00
5456	488704.63	3858384.05	0.60653	0.26851	0.65853	1.89405	1.59043	1.09019	0.3455	0.26851	2.91E+00	1.14E-02	1.58E-06	4.59E-02	3.43E-01	7.05E-02	5.64E-02	4.21E-02	3.40E+00
5457	488604.15	3858488.29	0.63423	0.37073	0.61362	1.60351	1.34203	0.78895	0.5301	0.37073	3.04E+00	1.58E-02	1.47E-06	3.88E-02	2.89E-01	5.10E-02	8.65E-02	5.81E-02	3.47E+00
5458	488605.66	3858550.47	0.65572	0.42666	0.53744	1.3079	1.35788	0.63629	0.6634	0.42666	3.15E+00	1.82E-02	1.29E-06	3.17E-02	2.93E-01	4.12E-02	1.08E-01	6.68E-02	3.57E+00
5459	488692.68	3858548.71	0.58689	0.38257	0.53088	1.86136	1.26891	0.8753	0.5003	0.38257	2.82E+00	1.63E-02	1.27E-06	4.51E-02	2.74E-01	5.66E-02	8.17E-02	5.99E-02	3.23E+00
5460	488759.93	3858461.81	0.55332	0.29624	0.54602	2.44346	1.51947	1.29746	0.3584	0.29624	2.66E+00	1.26E-02	1.31E-06	5.92E-02	3.28E-01	8.39E-02	5.85E-02	4.64E-02	3.15E+00
5461	488816.57	3858541.79	0.57264	0.32423	0.55824	3.47555	1.2976	1.54904	0.3728	0.32423	2.75E+00	1.38E-02	1.34E-06	8.42E-02	2.80E-01	1.00E-01	6.08E-02	5.08E-02	3.24E+00
5462	488944.63	3858656.77	0.54364	0.36282	0.45176	3.38646	1.15551	1.58334	0.3846	0.36282	2.61E+00	1.54E-02	1.08E-06	8.20E-02	2.49E-01	1.02E-01	6.28E-02	5.68E-02	3.06E+00
5463	489134.91	3858830.7	0.45887	0.41307	0.45772	4.19603	1.0081	1.54131	0.4295	0.41307	2.20E+00	1.76E-02	1.10E-06	1.02E-01	2.17E-01	9.97E-02	7.01E-02	6.47E-02	2.64E+00
5464	489193.99	3858886.05	0.44727	0.43727	0.4064	5.14741	0.96955	1.56152	0.4534	0.43727	2.15E+00	1.86E-02	9.75E-07	1.25E-01	2.09E-01	1.01E-01	7.40E-02	6.85E-02	2.61E+00
5465	489295.2	3858954.34	0.43609	0.45498	0.42822	3.85513	0.84928	1.42539	0.4538	0.45498	2.09E+00	1.94E-02	1.03E-06	9.34E-02	1.83E-01	9.22E-02	7.41E-02	7.13E-02	2.48E+00
5466	489295.64	3858992.74	0.46013	0.51174	0.47357	3.78167	0.87657	1.95658	0.5097	0.51174	2.21E+00	2.18E-02	1.14E-06	9.16E-02	1.89E-01	1.27E-01	8.32E-02	8.02E-02	2.64E+00
5467	489183.74	3858911.72	0.4579	0.48231	0.44073	5.51744	0.93192	1.81493	0.5015	0.48231	2.20E+00	2.05E-02	1.06E-06	1.34E-01	2.01E-01	1.17E-01	8.19E-02	7.56E-02	2.68E+00
5468	488873.37	3858625.59	0.59636	0.36808	0.46781	3.58364	1.19368	1.83615	0.4094	0.36808	2.86E+00	1.57E-02	1.12E-06	8.68E-02	2.57E-01	1.19E-01	6.68E-02	5.77E-02	3.35E+00

5469	488842.84	3858658.69	0.61708	0.40584	0.50956	2.19867	1.20316	1.00385	0.4921	0.40584	2.96E+00	1.73E-02	1.22E-06	5.33E-02	2.59E-01	6.50E-02	8.03E-02	6.36E-02	3.37E+00
5470	488856.39	3858670.93	0.59937	0.40912	0.52349	2.23472	1.19597	1.00939	0.4954	0.40912	2.88E+00	1.74E-02	1.26E-06	5.41E-02	2.58E-01	6.53E-02	8.09E-02	6.41E-02	3.29E+00
5471	488805.7	3858724.5	0.6242	0.51467	0.49584	1.47791	1.11548	0.63027	0.6891	0.51467	3.00E+00	2.19E-02	1.19E-06	3.58E-02	2.41E-01	4.08E-02	1.12E-01	8.06E-02	3.37E+00
5472	488805.87	3858804.16	0.61689	0.72555	0.49838	1.19724	1.09952	0.53713	1.1525	0.72555	2.96E+00	3.09E-02	1.20E-06	2.90E-02	2.37E-01	3.48E-02	1.88E-01	1.14E-01	3.37E+00
5473	488995.78	3858936.96	0.58076	0.84902	0.5856	1.43892	1.0148	0.59735	1.1672	0.84902	2.79E+00	3.61E-02	1.40E-06	3.49E-02	2.19E-01	3.86E-02	1.91E-01	1.33E-01	3.17E+00
5474	489130.76	3859017.38	0.53905	0.88162	0.60996	1.91873	0.99746	0.66172	0.9985	0.88162	2.59E+00	3.75E-02	1.46E-06	4.65E-02	2.15E-01	4.28E-02	1.63E-01	1.38E-01	2.95E+00
5475	489130.92	3859052.24	0.56721	1.24893	0.6611	1.71188	0.9709	0.58178	1.4852	1.24893	2.72E+00	5.31E-02	1.59E-06	4.15E-02	2.09E-01	3.76E-02	2.42E-01	1.96E-01	3.11E+00
5476	489200.33	3859090.6	0.55838	1.25356	0.6594	2.90125	0.95943	0.60709	1.3588	1.25356	2.68E+00	5.33E-02	1.58E-06	7.03E-02	2.07E-01	3.93E-02	2.22E-01	1.96E-01	3.07E+00
5477	489296.07	3859143.7	0.53052	1.25424	0.73439	1.43534	0.90613	0.60741	1.316	1.25424	2.55E+00	5.34E-02	1.76E-06	3.48E-02	1.95E-01	3.93E-02	2.15E-01	1.96E-01	2.89E+00
5478	489296.43	3858954.74	0.43584	0.45458	0.43268	3.81015	0.84694	1.41985	0.4532	0.45458	2.09E+00	1.93E-02	1.04E-06	9.23E-02	1.83E-01	9.19E-02	7.40E-02	7.12E-02	2.48E+00
5479	489410.33	3859033.19	0.46766	0.47622	0.47639	3.39198	0.69771	1.47646	0.4651	0.47622	2.24E+00	2.03E-02	1.14E-06	8.22E-02	1.50E-01	9.55E-02	7.59E-02	7.46E-02	2.59E+00
5480	489371.37	3859089.8	0.4861	0.63718	0.55598	2.16187	0.7888	1.07529	0.6042	0.63718	2.33E+00	2.71E-02	1.33E-06	5.24E-02	1.70E-01	6.96E-02	9.86E-02	9.98E-02	2.65E+00
5481	489390.52	3859102.82	0.48697	0.64478	0.56179	2.13857	0.77467	1.07272	0.6099	0.64478	2.34E+00	2.74E-02	1.35E-06	5.18E-02	1.67E-01	6.94E-02	9.96E-02	1.01E-01	2.65E+00
5482	489382.3	3859114.53	0.49235	0.6982	0.60478	1.90825	0.79358	0.9549	0.6573	0.6982	2.36E+00	2.97E-02	1.45E-06	4.62E-02	1.71E-01	6.18E-02	1.07E-01	1.09E-01	2.67E+00
5483	489363.04	3859102.45	0.48549	0.69277	0.57922	1.91251	0.81232	0.95081	0.6522	0.69277	2.33E+00	2.95E-02	1.39E-06	4.63E-02	1.75E-01	6.15E-02	1.06E-01	1.09E-01	2.64E+00
5484	489337.52	3859140.71	0.51356	0.95142	0.73479	1.47131	0.78877	0.68413	0.9674	0.95142	2.46E+00	4.05E-02	1.76E-06	3.56E-02	1.70E-01	4.43E-02	1.58E-01	1.49E-01	2.76E+00
5485	489375.14	3859164.55	0.51303	0.98645	0.80877	1.46388	0.79696	0.68688	0.9952	0.98645	2.46E+00	4.20E-02	1.94E-06	3.55E-02	1.72E-01	4.44E-02	1.62E-01	1.55E-01	2.76E+00
5486	489409.3	3859114.5	0.48733	0.64893	0.57015	2.11799	0.78362	1.07962	0.6138	0.64893	2.34E+00	2.76E-02	1.37E-06	5.13E-02	1.69E-01	6.99E-02	1.00E-01	1.02E-01	2.65E+00
5487	489434.87	3859131.81	0.47898	0.65886	0.62279	2.10804	0.7795	1.0841	0.624	0.65886	2.30E+00	2.80E-02	1.49E-06	5.11E-02	1.68E-01	7.01E-02	1.02E-01	1.03E-01	2.61E+00
5488	489471.87	3859075.75	0.44856	0.48805	0.50898	3.54375	0.6726	1.53685	0.4768	0.48805	2.15E+00	2.08E-02	1.22E-06	8.59E-02	1.45E-01	9.94E-02	7.78E-02	7.65E-02	2.51E+00
5489	489602.62	3859164.69	0.49091	0.51637	1.01927	3.04825	0.69422	1.60027	0.5055	0.51637	2.36E+00	2.20E-02	2.44E-06	7.38E-02	1.50E-01	1.04E-01	8.25E-02	8.09E-02	2.71E+00
5490	489558.29	3859232.45	0.51873	0.78244	1.20676	1.78851	0.65657	0.96426	0.7428	0.78244	2.49E+00	3.33E-02	2.89E-06	4.33E-02	1.42E-01	6.24E-02	1.21E-01	1.23E-01	2.77E+00
5491	489620.11	3859273.56	0.51678	0.81443	2.0034	1.74402	0.58624	0.98225	0.7854	0.81443	2.48E+00	3.47E-02	4.80E-06	4.23E-02	1.26E-01	6.36E-02	1.28E-01	1.28E-01	2.75E+00
5492	489666.06	3859206.42	0.46334	0.53118	1.80276	3.09807	0.70238	1.5839	0.5159	0.53118	2.22E+00	2.26E-02	4.32E-06	7.51E-02	1.51E-01	1.02E-01	8.42E-02	8.32E-02	2.58E+00
5493	489787.9	3859285.65	0.48805	0.55783	2.29645	3.04235	0.69065	1.53993	0.5288	0.55783	2.34E+00	2.37E-02	5.51E-06	7.37E-02	1.49E-01	9.96E-02	8.63E-02	8.74E-02	2.69E+00
5494	489752.17	3859343.13	0.52764	0.80011	7.54631	2.01375	0.55691	1.14505	0.7825	0.80011	2.53E+00	3.40E-02	1.81E-05	4.88E-02	1.20E-01	7.41E-02	1.28E-01	1.25E-01	2.81E+00
5495	489814.94	3859385.33	0.51809	0.83604	12.5018	2.10715	0.5729	1.178	0.8357	0.83604	2.49E+00	3.56E-02	3.00E-05	5.10E-02	1.24E-01	7.62E-02	1.36E-01	1.31E-01	2.78E+00
5496	489853.42	3859330.74	0.45707	0.57909	4.11072	3.10122	0.69076	1.55995	0.543	0.57909	2.19E+00	2.46E-02	9.86E-06	7.51E-02	1.49E-01	1.01E-01	8.86E-02	9.07E-02	2.54E+00
5497	489969.5	3859401.91	0.48082	0.59795	5.979	3.44076	0.61829	1.61582	0.5718	0.59795	2.31E+00	2.54E-02	1.43E-05	8.34E-02	1.33E-01	1.05E-01	9.33E-02	9.37E-02	2.65E+00
5498	490166.91	3859486.96	0.44562	0.55472	2.04299	3.0665	0.50853	1.49744	0.5345	0.55472	2.14E+00	2.36E-02	4.90E-06	7.43E-02	1.10E-01	9.69E-02	8.72E-02	8.69E-02	2.44E+00
5499	490128.86	3859571.46	0.47172	1.00098	1.58109	1.75467	0.57076	0.98417	0.9934	1.00098	2.26E+00	4.26E-02	3.79E-06	4.25E-02	1.23E-01	6.37E-02	1.62E-01	1.57E-01	2.54E+00
5500	490186.65	3859593.65	0.48309	1.0108	1.42989	1.80846	0.52975	1.11141	1.0083	1.0108	2.32E+00	4.30E-02	3.43E-06	4.38E-02	1.14E-01	7.19E-02	1.65E-01	1.58E-01	2.60E+00
5501	490223.74	3859517.48	0.42352	0.56311	1.74459	3.37075	0.45393	1.55462	0.543	0.56311	2.03E+00	2.40E-02	4.18E-06	8.17E-02	9.79E-02	1.01E-01	8.86E-02	8.82E-02	2.34E+00
5502	490846.34	3859817.22	0.41278	0.69936	0.69984	3.59605	0.49421	1.30668	0.7293	0.69936	1.98E+00	2.98E-02	1.68E-06	8.71E-02	1.07E-01	8.45E-02	1.19E-01	1.10E-01	2.30E+00
5503	490925.65	3859844.59	0.39921	0.64507	0.65063	3.36359	0.47631	1.28267	0.6707	0.64507	1.92E+00	2.74E-02	1.56E-06	8.15E-02	1.03E-01	8.30E-02	1.09E-01	1.01E-01	2.22E+00
5504	491159.29	3859896.28	0.3626	0.52001	0.5678	3.64197	0.44361	1.24834	0.546	0.52001	1.74E+00	2.21E-02	1.36E-06	8.82E-02	9.57E-02	8.08E-02	8.91E-02	8.15E-02	2.03E+00
5505	491370.69	3859960.89	0.34538	0.45346	0.46769	3.61691	0.35341	1.255	0.4882	0.45346	1.66E+00	1.93E-02	1.12E-06	8.76E-02	7.62E-02	8.12E-02	7.97E-02	7.10E-02	1.93E+00
5506	491330.28	3860063.17	0.39694	0.72429	0.45869	1.19986	0.4152	0.85847	0.7071	0.72429	1.90E+00	3.08E-02	1.10E-06	2.91E-02	8.95E-02	5.55E-02	1.15E-01	1.13E-01	2.11E+00
5507	491636.45	3860180.75	0.3511	0.49549	0.40433	0.77175	0.32338	0.71478	0.4929	0.49549	1.68E+00	2.11E-02	9.70E-07	1.87E-02	6.97E-02	4.62E-02	8.05E-02	7.76E-02	1.84E+00
5508	491617.94	3860203.93	0.3793	0.55974	0.37693	0.65561	0.33958	0.62633	0.5441	0.55974	1.82E+00	2.38E-02	9.04E-07	1.59E-02	7.32E-02	4.05E-02	8.88E-02	8.77E-02	1.97E+00
5509	491805.68	3860271.59	0.33799	0.45136	0.34117	0.56637	0.28034	0.53983	0.4373	0.45136	1.62E+00	1.92E-02	8.18E-07	1.37E-02	6.05E-02	3.49E-02	7.14E-02	7.07E-02	1.75E+00
5510	491654.23	3860414.02	0.30634	1.30656	0.21349	0.43767	0.32443	0.37081	1.472	1.30656	1.47E+00	5.56E-02	5.12E-07	1.06E-02	7.00E-02	2.40E-02	2.40E-01	2.05E-01	1.67E+00
5511	491592.62	3860510.76	0.2058	0.68119	0.17638	0.31955	0.31728	0.34591	0.6493	0.68119	9.88E-01	2.90E-02	4.23E-07	7.74E-03	6.84E-02	2.24E-02	1.06E-01	1.07E-01	1.11E+00
5512	491475.41	3860368.93	0.28138	0.89133	0.20359	0.40297	0.35064	0.31099	0.841	0.89133	1.35E+00	3.79E-02	4.88E-07	9.76E-03	7.56E-02	2.01E-02	1.37E-01	1.40E-01	1.49E+00
5513	491445.61	3860337.28	0.29533	0.94149	0.21016	0.4545	0.35753	0.32197	0.9082	0.94149	1.42E+00	4.01E-02	5.04E-07	1.10E-02	7.71E-02	2.08E-02	1.48E-01	1.47E-01	1.57E+00
5514	491399.05	3860300.37	0.30687	0.95053	0.2191	0.47508	0.36383	0.34462	0.9346	0.95053	1.47E+00	4.04E-02	5.25E-07	1.15E-02	7.85E-02	2.23E-02	1.53E-01	1.49E-01	1.63E+00
5515	491228.84	3860235.98	0.27922	0.6233	0.24144	0.5328	0.34585	0.37119	0.6319	0.6233	1.34E+00	2.65E-02	5.79E-07	1.29E-02	7.46E-02	2.40E-02	1.03E-01	9.76E-02	1.48E+00
5516	491228.47	3860174.57	0.31948	0.92308	0.34501	0.65337	0.38179	0.43828	0.9574	0.92308	1.53E+00	3.93E-02	8.27E-07	1.58E-02	8.23E-02	2.84E-02	1.56E-01	1.45E-01	1.71E+00
5517	491145.77	3860112.55	0.33437	0.90633	0.37589	0.74166	0.39368	0.5356	0.943	0.90633	1.60E+00	3.86E-02	9.02E-07	1.80E-02	8.49E-02	3.47E-02	1.54E-01	1.42E-01	1.79E+00
5518	490844.41	3859966.22	0.33646	0.98026	0.54128	1.07724	0.38215	0.72745	0.925	0.98026	1.61E+00	4.17E-02	1.30E-06	2.61E-02	8.24E-02	4.71E-02	1.51E-01	1.54E-01	1.81E+00
5519	490845.55	3859928.15	0.3601	1.61255	0.6017	1.34794	0.41268	0.89868	1.4197	1.61255	1.73E+00	6.86E-02	1.44E-06	3.27E-02	8.90E-02	5.81E-02	2.32E-01	2.53E-01	1.96E+00
5520	490046.91	3859625.6	0.38542	1.37077	1.38396	1.15608	0.46685	0.64331	1.3797	1.37077	1.85E+00	5.83E-02	3.32E-06	2.80E-02	1.01E-01	4.16E-02	2.25E-01	2.15E-01	2.09E+00
5521	489970.48	3859589.4	0.39172	1.39131	1.79823	1.12614	0.42506	0.6562	1.3978	1.39131	1.88E+00	5.92E-02	4.31E-06	2.73E-02	9.17E-02	4.25E-02	2.28E-01	2.18E-01	2.11E+00
5522	489865.89	3859529.06	0.418	1.42599	3.83813	1.12609	0.46333	0.65227	1.4318	1.42599	2.01E+00	6.07E-02	9.21E-06	2.73E-02	9.99E-02	4.22E-02	2.34E-01	2.23E-01	2.25E+00
5523	489826.89	3859531.74	0.38988	1.09614	3.84214	1.04063	0.52268	0.61771	1.0848	1.09614	1.87E+00	4.66E-02	9.21E-06	2.52E-02	1.13E-01	4.00E-02	1.77E-01	1.72E-01	2.10E+00
5524	489410.47	3859303.06	0.40089	1.0751	1.27081	0.95576	0.831	0.54598	1.0045	1.0751	1.92E+00	4.57E-02	3.05E-06	2.32E-02	1.79E-01	3.53E-02	1.64E-01	1.68E-01	2.20E+00
5525	489407.15	3859286.09	0.42208	1.24311	1.39299	1.033	0.80794	0.55628	1.1219	1.24311	2.03E+00	5.29E-02	3.34E-06	2.50E-02	1.74E-01	3.60E-02	1.83E-01	1.95E-01	2.30E+00

5526	488806.07	3858963.62	0.6101	1.11454	0.61934	0.97473	0.9427	0.52183	0.712	1.11454	2.93E+00	4.74E-02	1.49E-06	2.36E-02	2.03E-01	3.38E-02	1.16E-01	1.75E-01	3.18E+00
5527	488817.64	3859546.3	0.57564	0.24693	0.52384	0.54411	0.56062	0.46905	0.2337	0.24693	2.76E+00	1.05E-02	1.26E-06	1.32E-02	1.21E-01	3.03E-02	3.81E-02	3.87E-02	2.94E+00
5528	489187.25	3859549.52	0.40356	0.30238	0.84188	2.30997	0.61111	0.46581	0.3099	0.30238	1.94E+00	1.29E-02	2.02E-06	5.60E-02	1.32E-01	3.01E-02	5.06E-02	4.74E-02	2.17E+00
5529	489187.66	3859523.74	0.39884	0.31587	0.81805	2.32481	0.63654	0.42466	0.3232	0.31587	1.91E+00	1.34E-02	1.96E-06	5.63E-02	1.37E-01	2.75E-02	5.28E-02	4.95E-02	2.15E+00
5530	489232.59	3859522.85	0.39494	0.33162	0.93907	1.92862	0.72384	0.43335	0.3392	0.33162	1.90E+00	1.41E-02	2.25E-06	4.67E-02	1.56E-01	2.80E-02	5.54E-02	5.19E-02	2.14E+00
5531	489224.98	3859759.91	0.43647	0.24688	0.4929	2.07732	0.4741	0.41846	0.2414	0.24688	2.09E+00	1.05E-02	1.18E-06	5.03E-02	1.02E-01	2.71E-02	3.94E-02	3.87E-02	2.29E+00
5532	488401.39	3859763.34	0.54673	0.16203	0.31627	0.37343	0.18808	1.2223	0.1648	0.16203	2.62E+00	6.89E-03	7.59E-07	9.05E-03	4.06E-02	7.91E-02	2.69E-02	2.54E-02	2.76E+00
5533	488405.51	3859966.16	0.53301	0.18529	0.3913	0.34519	0.18341	1.21509	0.158	0.18529	2.56E+00	7.88E-03	9.38E-07	8.36E-03	3.96E-02	7.86E-02	2.58E-02	2.90E-02	2.69E+00
5534	489202.85	3859956.57	0.43334	0.19982	0.43551	2.14152	0.49764	0.31756	0.195	0.19982	2.08E+00	8.50E-03	1.04E-06	5.19E-02	1.07E-01	2.05E-02	3.18E-02	3.13E-02	2.27E+00
5535	489191.9	3860676.74	0.38605	0.13132	0.29146	2.86198	0.28372	0.27948	0.1384	0.13132	1.85E+00	5.59E-03	6.99E-07	6.93E-02	6.12E-02	1.81E-02	2.26E-02	2.06E-02	2.01E+00
5536	488392.82	3860687.88	0.43497	0.1108	0.18019	0.27777	0.19453	1.30815	0.1145	0.1108	2.09E+00	4.71E-03	4.32E-07	6.73E-03	4.20E-02	8.46E-02	1.87E-02	1.74E-02	2.23E+00
5537	488392.82	3860760.27	0.37981	0.10931	0.16415	0.26291	0.18895	0.57492	0.1117	0.10931	1.82E+00	4.65E-03	3.94E-07	6.37E-03	4.08E-02	3.72E-02	1.82E-02	1.71E-02	1.91E+00
5538	487549.05	3860777.45	0.25246	0.0958	0.14227	0.19374	0.23442	0.4839	0.0822	0.0958	1.21E+00	4.08E-03	3.41E-07	4.69E-03	5.06E-02	3.13E-02	1.34E-02	1.50E-02	1.30E+00
5539	487554.62	3859571.83	0.58374	0.14903	0.15236	0.2744	0.3479	0.96964	0.1386	0.14903	2.80E+00	6.34E-03	3.65E-07	6.65E-03	7.50E-02	6.27E-02	2.26E-02	2.33E-02	2.95E+00
5540	485949.46	3859558.54	0.26238	0.11171	0.17389	0.19167	0.48537	0.30966	0.1038	0.11171	1.26E+00	4.75E-03	4.17E-07	4.64E-03	1.05E-01	2.00E-02	1.69E-02	1.75E-02	1.39E+00
5541	485947.55	3857943.61	0.59387	0.22971	0.20171	0.19055	1.34634	0.90144	0.1275	0.22971	2.85E+00	9.77E-03	4.84E-07	4.62E-03	2.90E-01	5.83E-02	2.08E-02	3.60E-02	3.20E+00
5542	484738.38	3857940.21	0.29191	0.13761	0.17576	0.18732	0.80309	0.34138	0.1039	0.13761	1.40E+00	5.86E-03	4.22E-07	4.54E-03	1.73E-01	2.21E-02	1.70E-02	2.16E-02	1.60E+00
5543	484737.06	3857535.68	0.36329	0.16039	0.25859	0.15686	1.05684	0.31692	0.1013	0.16039	1.74E+00	6.82E-03	6.20E-07	3.80E-03	2.28E-01	2.05E-02	1.65E-02	2.51E-02	1.99E+00
5544	483730.2	3857530.13	0.28572	0.1267	0.42813	0.15618	0.70729	0.27881	0.094	0.1267	1.37E+00	5.39E-03	1.03E-06	3.78E-03	1.53E-01	1.80E-02	1.53E-02	1.98E-02	1.55E+00
5545	483727.27	3857130.01	0.48417	0.14053	0.26664	0.15334	0.38655	0.24705	0.0898	0.14053	2.32E+00	5.98E-03	6.39E-07	3.71E-03	8.34E-02	1.60E-02	1.47E-02	2.20E-02	2.43E+00
5546	483124.42	3857123.45	0.34082	0.12219	0.3127	0.14256	0.28284	0.21931	0.0841	0.12219	1.64E+00	5.20E-03	7.50E-07	3.45E-03	6.10E-02	1.42E-02	1.37E-02	1.91E-02	1.71E+00
5547	483111.13	3855921.03	0.65047	0.18367	0.36713	0.15473	0.4623	0.30009	0.0984	0.18367	3.12E+00	7.81E-03	8.81E-07	3.75E-03	9.97E-02	1.94E-02	1.61E-02	2.88E-02	3.24E+00
5548	482701.73	3855918.24	0.40678	0.13494	0.53581	0.14652	0.40707	0.24136	0.0913	0.13494	1.95E+00	5.74E-03	1.29E-06	3.55E-03	8.78E-02	1.56E-02	1.49E-02	2.11E-02	2.06E+00
5549	482668.02	3853521.78	0.36146	0.54593	0.08231	0.15521	0.06095	0.2287	0.4849	0.54593	1.73E+00	2.32E-02	1.97E-07	3.76E-03	1.31E-02	1.48E-02	7.91E-02	8.55E-02	1.78E+00
5550	482579.91	3853219.19	0.3092	0.62047	0.07279	0.0957	0.08361	0.18356	0.6095	0.62047	1.48E+00	2.64E-02	1.75E-07	2.32E-03	1.80E-02	1.19E-02	9.95E-02	9.72E-02	1.54E+00
5551	482434.06	3852961.94	0.26808	0.79419	0.05939	0.07454	0.07867	0.13506	0.8099	0.79419	1.29E+00	3.38E-02	1.42E-07	1.81E-03	1.70E-02	8.74E-03	1.32E-01	1.24E-01	1.36E+00
5552	482332.11	3852832.85	0.21607	0.93392	0.05471	0.06645	0.07613	0.13298	0.9462	0.93392	1.04E+00	3.97E-02	1.31E-07	1.61E-03	1.64E-02	8.60E-03	1.54E-01	1.46E-01	1.11E+00
5553	481334.99	3851818.96	0.15838	0.79906	0.03344	0.03737	0.05263	0.06801	0.8119	0.79906	7.60E-01	3.40E-02	8.02E-08	9.05E-04	1.14E-02	4.40E-03	1.33E-01	1.25E-01	8.18E-01
5554	481127.62	3851646.36	0.18683	0.75127	0.03334	0.03655	0.0508	0.05089	0.7541	0.75127	8.97E-01	3.20E-02	8.00E-08	8.85E-04	1.10E-02	3.29E-03	1.23E-01	1.18E-01	9.49E-01
5555	481025.04	3851591.73	0.18666	0.72319	0.03337	0.03714	0.05089	0.05231	0.7195	0.72319	8.96E-01	3.08E-02	8.00E-08	9.00E-04	1.10E-02	3.38E-03	1.17E-01	1.13E-01	9.46E-01
5556	480513.6	3851335.76	0.18984	0.82103	0.02878	0.02746	0.05085	0.03259	0.8313	0.82103	9.11E-01	3.49E-02	6.90E-08	6.65E-04	1.10E-02	2.11E-03	1.36E-01	1.29E-01	9.67E-01
5557	480523.56	3851317.66	0.2027	0.98757	0.02993	0.02649	0.05052	0.03263	1.005	0.98757	9.73E-01	4.20E-02	7.18E-08	6.42E-04	1.09E-02	2.11E-03	1.64E-01	1.55E-01	1.04E+00
5558	476921.56	3849569.11	0.13548	0.91292	0.01811	0.01979	0.02152	0.02439	0.9166	0.91292	6.50E-01	3.88E-02	4.34E-08	4.79E-04	4.64E-03	1.58E-03	1.50E-01	1.43E-01	7.02E-01
5559	476521.19	3849373.96	0.13235	0.94469	0.01682	0.01796	0.0206	0.02386	0.9445	0.94469	6.35E-01	4.02E-02	4.03E-08	4.35E-04	4.44E-03	1.54E-03	1.54E-01	1.48E-01	6.88E-01
5560	476391.45	3849333.38	0.12969	0.90968	0.01635	0.01723	0.02042	0.02373	0.9136	0.90968	6.22E-01	3.87E-02	3.92E-08	4.17E-04	4.40E-03	1.54E-03	1.49E-01	1.43E-01	6.74E-01
5561	476219.41	3849304.29	0.12858	0.83288	0.01568	0.01618	0.01995	0.02353	0.8369	0.83288	6.17E-01	3.54E-02	3.76E-08	3.92E-04	4.30E-03	1.52E-03	1.37E-01	1.30E-01	6.65E-01
5562	475679.11	3849218.47	0.14489	0.82707	0.01468	0.01851	0.02425	0.02151	0.8311	0.82707	6.95E-01	3.52E-02	3.52E-08	4.48E-04	5.23E-03	1.39E-03	1.36E-01	1.30E-01	7.44E-01
5563	475677.71	3849233.88	0.13388	0.70322	0.01497	0.01835	0.02431	0.02153	0.7067	0.70322	6.42E-01	2.99E-02	3.59E-08	4.45E-04	5.24E-03	1.39E-03	1.15E-01	1.10E-01	6.85E-01
5564	475492.74	3849204.66	0.12545	0.58306	0.01647	0.01972	0.02658	0.02121	0.5887	0.58306	6.02E-01	2.48E-02	3.95E-08	4.78E-04	5.73E-03	1.37E-03	9.61E-02	9.13E-02	6.39E-01
5565	475497.64	3849158.75	0.23717	1.08582	0.01569	0.01796	0.02417	0.02121	1.0962	1.08582	1.14E+00	4.62E-02	3.76E-08	4.35E-04	5.21E-03	1.37E-03	1.79E-01	1.70E-01	1.20E+00
5566	475391.35	3849141.94	0.16437	0.95556	0.01658	0.01985	0.02657	0.02114	0.9612	0.95556	7.89E-01	4.07E-02	3.98E-08	4.81E-04	5.73E-03	1.37E-03	1.57E-01	1.50E-01	8.44E-01
5567	475277	3849095.47	0.18372	0.92746	0.01701	0.02017	0.02708	0.02101	0.9303	0.92746	8.82E-01	3.95E-02	4.08E-08	4.89E-04	5.84E-03	1.36E-03	1.52E-01	1.45E-01	9.35E-01
5568	475183.93	3849025.66	0.18497	1.10718	0.01687	0.01977	0.02656	0.02085	1.1171	1.10718	8.88E-01	4.71E-02	4.05E-08	4.79E-04	5.73E-03	1.35E-03	1.82E-01	1.73E-01	9.51E-01
5569	474453.23	3848378.77	0.09452	1.09054	0.01446	0.01556	0.02063	0.01985	1.0997	1.09054	4.54E-01	4.64E-02	3.47E-08	3.77E-04	4.45E-03	1.28E-03	1.80E-01	1.71E-01	5.15E-01
5570	474569.63	3848399.34	0.07379	1.26466	0.01241	0.01483	0.01954	0.01998	1.2733	1.26466	3.54E-01	5.38E-02	2.98E-08	3.59E-04	4.21E-03	1.29E-03	2.08E-01	1.98E-01	4.24E-01
5571	474644.33	3848464.52	0.07455	1.26105	0.01367	0.0152	0.02005	0.02008	1.2695	1.26105	3.58E-01	5.37E-02	3.28E-08	3.68E-04	4.32E-03	1.30E-03	2.07E-01	1.98E-01	4.27E-01
5572	474719.04	3848529.7	0.08021	1.26824	0.01402	0.01557	0.02057	0.02017	1.2766	1.26824	3.85E-01	5.40E-02	3.36E-08	3.77E-04	4.44E-03	1.31E-03	2.08E-01	1.99E-01	4.55E-01
5573	474793.74	3848594.88	0.09304	1.2846	0.01425	0.01592	0.02108	0.02026	1.2929	1.2846	4.46E-01	5.47E-02	3.42E-08	3.86E-04	4.55E-03	1.31E-03	2.11E-01	2.01E-01	5.17E-01
5574	474868.45	3848660.07	0.09538	1.28408	0.01446	0.01626	0.0216	0.02034	1.2922	1.28408	4.58E-01	5.46E-02	3.47E-08	3.94E-04	4.66E-03	1.32E-03	2.11E-01	2.01E-01	5.28E-01
5575	474943.15	3848725.25	0.09914	1.29536	0.01469	0.01659	0.02214	0.02044	1.3032	1.29536	4.76E-01	5.51E-02	3.52E-08	4.02E-04	4.78E-03	1.32E-03	2.13E-01	2.03E-01	5.47E-01
5576	475017.86	3848790.43	0.10738	1.34509	0.01493	0.01639	0.02261	0.02054	1.3554	1.34509	5.15E-01	5.72E-02	3.58E-08	3.97E-04	4.88E-03	1.33E-03	2.21E-01	2.11E-01	5.90E-01
5577	475092.56	3848855.61	0.11764	1.40948	0.01518	0.0162	0.02267	0.02066	1.4208	1.40948	5.65E-01	6.00E-02	3.64E-08	3.92E-04	4.89E-03	1.34E-03	2.32E-01	2.21E-01	6.42E-01
5578	475232.58	3848959.38	0.14602	1.18658	0.01535	0.01631	0.02292	0.02086	1.1932	1.18658	7.01E-01	5.05E-02	3.68E-08	3.95E-04	4.94E-03	1.35E-03	1.95E-01	1.86E-01	7.67E-01
5579	475368.47	3849029.98	0.15788	1.16647	0.01501	0.01718	0.0234	0.02103	1.1816	1.16647	7.58E-01	4.96E-02	3.60E-08	4.16E-04	5.05E-03	1.36E-03	1.93E-01	1.83E-01	8.24E-01
5580	475609.57	3849096.09	0.15672	1.06107	0.01327	0.01671	0.02187	0.02124	1.0732	1.06107	7.52E-01	4.51E-02	3.18E-08	4.05E-04	4.72E-03	1.37E-03	1.75E-01	1.66E-01	8.13E-01
5581	475680.68	3849116.62	0.149	1.22199	0.01277	0.01647	0.02137	0.02213	1.2372	1.22199	7.15E-01	5.20E-02	3.06E-08	3.99E-04	4.61E-03	1.43E-03	2.02E-01	1.91E-01	7.84E-01
5582	475843.76	3849151.52	0.14655	1.49542	0.01427	0.0156	0.01995	0.02269	1.5086	1.49542	7.03E-01	6.36E-02	3.42E-08	3.78E-04	4.30E-03	1.47E-03	2.46E-01	2.34E-01	7.85E-01

5583	475935.73	3849165.89	0.1413	1.38125	0.01485	0.01527	0.01983	0.02296	1.3933	1.38125	6.78E-01	5.88E-02	3.56E-08	3.70E-04	4.28E-03	1.49E-03	2.27E-01	2.16E-01	7.54E-01
5584	476027.7	3849180.26	0.13745	1.37261	0.0152	0.01574	0.01969	0.02319	1.3841	1.37261	6.60E-01	5.84E-02	3.65E-08	3.81E-04	4.25E-03	1.50E-03	2.26E-01	2.15E-01	7.35E-01
5585	476119.68	3849194.64	0.14233	1.46839	0.01583	0.0161	0.01996	0.02323	1.4721	1.46839	6.83E-01	6.25E-02	3.80E-08	3.90E-04	4.30E-03	1.50E-03	2.40E-01	2.30E-01	7.62E-01
5586	476211.65	3849209.01	0.13961	1.40791	0.01593	0.01671	0.02018	0.02332	1.4127	1.40791	6.70E-01	5.99E-02	3.82E-08	4.05E-04	4.35E-03	1.51E-03	2.31E-01	2.21E-01	7.46E-01
5587	476497.8	3849283.9	0.11233	1.81877	0.01701	0.01816	0.02041	0.02358	1.8587	1.81877	5.39E-01	7.74E-02	4.08E-08	4.40E-04	4.40E-03	1.53E-03	3.03E-01	2.85E-01	6.41E-01
5588	476603.73	3849323.77	0.11313	1.96446	0.01737	0.01852	0.02085	0.02369	2.0079	1.96446	5.43E-01	8.36E-02	4.17E-08	4.49E-04	4.50E-03	1.53E-03	3.28E-01	3.08E-01	6.53E-01
5589	476728.99	3849382.76	0.13773	1.67974	0.01778	0.01967	0.02152	0.02345	1.7021	1.67974	6.61E-01	7.15E-02	4.26E-08	4.77E-04	4.64E-03	1.52E-03	2.78E-01	2.63E-01	7.54E-01
5590	476801.27	3849418.65	0.14766	1.68281	0.01822	0.02001	0.02189	0.0231	1.7034	1.68281	7.09E-01	7.16E-02	4.37E-08	4.85E-04	4.72E-03	1.49E-03	2.78E-01	2.64E-01	8.01E-01
5591	476956.2	3849495.05	0.15843	1.72375	0.01915	0.02074	0.02268	0.02233	1.7431	1.72375	7.60E-01	7.33E-02	4.59E-08	5.02E-04	4.89E-03	1.44E-03	2.85E-01	2.70E-01	8.55E-01
5592	477038.84	3849535.56	0.1576	1.75308	0.01902	0.02109	0.02311	0.02192	1.7691	1.75308	7.56E-01	7.46E-02	4.56E-08	5.11E-04	4.98E-03	1.42E-03	2.89E-01	2.75E-01	8.52E-01
5593	477121.48	3849576.08	0.15444	1.77618	0.01905	0.02147	0.02354	0.02151	1.7854	1.77618	7.41E-01	7.56E-02	4.57E-08	5.20E-04	5.08E-03	1.39E-03	2.91E-01	2.78E-01	8.37E-01
5594	477204.13	3849616.6	0.15128	1.81474	0.01933	0.02184	0.02396	0.02145	1.8174	1.81474	7.26E-01	7.72E-02	4.64E-08	5.29E-04	5.17E-03	1.39E-03	2.97E-01	2.84E-01	8.23E-01
5595	477286.78	3849657.12	0.1521	1.76184	0.01962	0.02209	0.02435	0.0216	1.7576	1.76184	7.30E-01	7.50E-02	4.71E-08	5.35E-04	5.25E-03	1.40E-03	2.87E-01	2.76E-01	8.23E-01
5596	477369.42	3849697.63	0.15396	1.85871	0.01988	0.02261	0.02483	0.02173	1.8505	1.85871	7.39E-01	7.91E-02	4.77E-08	5.48E-04	5.36E-03	1.41E-03	3.02E-01	2.91E-01	8.36E-01
5597	477452.07	3849738.15	0.16206	1.86751	0.02017	0.02297	0.02635	0.02186	1.8503	1.86751	7.78E-01	7.95E-02	4.84E-08	5.56E-04	5.68E-03	1.41E-03	3.02E-01	2.93E-01	8.74E-01
5598	477534.71	3849778.67	0.16065	1.88614	0.02043	0.02345	0.03053	0.02198	1.8727	1.88614	7.71E-01	8.03E-02	4.90E-08	5.68E-04	6.58E-03	1.42E-03	3.06E-01	2.95E-01	8.70E-01
5599	477617.35	3849819.18	0.16145	1.89939	0.02078	0.02382	0.03097	0.0221	1.8799	1.89939	7.75E-01	8.08E-02	4.98E-08	5.77E-04	6.68E-03	1.43E-03	3.07E-01	2.98E-01	8.74E-01
5600	477824.74	3849896.37	0.15941	1.23997	0.02144	0.02501	0.0324	0.02234	1.2364	1.23997	7.65E-01	5.28E-02	5.14E-08	6.06E-04	6.99E-03	1.45E-03	2.02E-01	1.94E-01	8.34E-01
5601	477906.31	3849936.37	0.17105	1.29642	0.02166	0.02526	0.0328	0.02262	1.2845	1.29642	8.21E-01	5.52E-02	5.19E-08	6.12E-04	7.07E-03	1.46E-03	2.10E-01	2.03E-01	8.92E-01
5602	477987.89	3849976.36	0.17039	1.28177	0.02122	0.02568	0.03326	0.02255	1.2687	1.28177	8.18E-01	5.45E-02	5.09E-08	6.22E-04	7.17E-03	1.46E-03	2.07E-01	2.01E-01	8.88E-01
5603	478069.47	3850016.36	0.17074	1.29263	0.02148	0.02491	0.03367	0.02264	1.278	1.29263	8.19E-01	5.50E-02	5.15E-08	6.03E-04	7.26E-03	1.46E-03	2.09E-01	2.02E-01	8.90E-01
5604	478151.04	3850056.35	0.17488	1.30989	0.02255	0.02398	0.03409	0.02273	1.2912	1.30989	8.39E-01	5.57E-02	5.41E-08	5.81E-04	7.35E-03	1.47E-03	2.11E-01	2.05E-01	9.10E-01
5605	478232.62	3850096.35	0.17662	1.32504	0.02281	0.02448	0.03454	0.02281	1.3025	1.32504	8.48E-01	5.64E-02	5.47E-08	5.93E-04	7.45E-03	1.48E-03	2.13E-01	2.08E-01	9.19E-01
5606	478314.2	3850136.34	0.17677	1.32205	0.02274	0.02589	0.03497	0.02389	1.304	1.32205	8.48E-01	5.63E-02	5.45E-08	6.27E-04	7.54E-03	1.55E-03	2.13E-01	2.07E-01	9.20E-01
5607	478395.77	3850176.34	0.1768	1.32289	0.0226	0.02726	0.03541	0.02388	1.3029	1.32289	8.48E-01	5.63E-02	5.42E-08	6.60E-04	7.64E-03	1.55E-03	2.13E-01	2.07E-01	9.20E-01
5608	478575.43	3850244.45	0.17675	1.05921	0.02189	0.02819	0.03655	0.02366	1.0387	1.05921	8.48E-01	4.51E-02	5.25E-08	6.83E-04	7.88E-03	1.53E-03	1.70E-01	1.66E-01	9.07E-01
5609	478665.06	3850287.29	0.1821	1.04352	0.02155	0.02855	0.03615	0.02361	1.0239	1.04352	8.74E-01	4.44E-02	5.17E-08	6.92E-04	7.80E-03	1.53E-03	1.67E-01	1.63E-01	9.32E-01
5610	478754.69	3850330.14	0.18545	1.02647	0.02117	0.02921	0.03571	0.02357	1.0074	1.02647	8.90E-01	4.37E-02	5.08E-08	7.08E-04	7.70E-03	1.53E-03	1.64E-01	1.61E-01	9.47E-01
5611	478844.32	3850372.99	0.18845	1.0032	0.02076	0.02922	0.03599	0.02754	0.9871	1.0032	9.04E-01	4.27E-02	4.98E-08	7.08E-04	7.76E-03	1.78E-03	1.61E-01	1.57E-01	9.61E-01
5612	478933.95	3850415.84	0.19208	0.97468	0.02033	0.0295	0.03706	0.02762	0.9528	0.97468	9.22E-01	4.15E-02	4.88E-08	7.15E-04	7.99E-03	1.79E-03	1.56E-01	1.53E-01	9.77E-01
5613	479023.58	3850458.68	0.2008	0.99219	0.01979	0.02973	0.0376	0.02761	0.9714	0.99219	9.64E-01	4.22E-02	4.75E-08	7.20E-04	8.11E-03	1.79E-03	1.59E-01	1.55E-01	1.02E+00
5614	479110.66	3850441.9	0.20825	0.65164	0.01838	0.02974	0.04139	0.02718	0.6475	0.65164	9.99E-01	2.77E-02	4.41E-08	7.21E-04	8.93E-03	1.76E-03	1.06E-01	1.02E-01	1.04E+00
5615	479191.22	3850423.99	0.19541	0.51608	0.01965	0.02949	0.04008	0.02666	0.5145	0.51608	9.38E-01	2.20E-02	4.71E-08	7.14E-04	8.64E-03	1.72E-03	8.40E-02	8.08E-02	9.74E-01
5616	479274.32	3850465.71	0.20348	0.52724	0.02201	0.02954	0.04089	0.0265	0.5253	0.52724	9.76E-01	2.24E-02	5.28E-08	7.16E-04	8.82E-03	1.71E-03	8.57E-02	8.26E-02	1.01E+00
5617	479357.43	3850507.42	0.21193	0.54243	0.02464	0.02919	0.04165	0.02633	0.5391	0.54243	1.02E+00	2.31E-02	5.91E-08	7.07E-04	8.98E-03	1.70E-03	8.80E-02	8.50E-02	1.05E+00
5618	479440.53	3850549.14	0.22399	0.54316	0.02452	0.02829	0.04616	0.02616	0.5388	0.54316	1.07E+00	2.31E-02	5.88E-08	6.85E-04	9.96E-03	1.69E-03	8.79E-02	8.51E-02	1.11E+00
5619	479523.64	3850590.85	0.22982	0.54287	0.02433	0.02726	0.04713	0.02601	0.5379	0.54287	1.10E+00	2.31E-02	5.84E-08	6.60E-04	1.02E-02	1.68E-03	8.78E-02	8.50E-02	1.14E+00
5620	479606.74	3850632.57	0.2324	0.54674	0.02411	0.02615	0.04771	0.02588	0.5416	0.54674	1.12E+00	2.33E-02	5.78E-08	6.34E-04	1.03E-02	1.67E-03	8.84E-02	8.56E-02	1.15E+00
5621	479777.37	3850707.61	0.2308	0.52759	0.02454	0.02442	0.04843	0.02568	0.5238	0.52759	1.11E+00	2.24E-02	5.89E-08	5.92E-04	1.04E-02	1.66E-03	8.55E-02	8.26E-02	1.15E+00
5622	479864.9	3850740.95	0.22494	0.50579	0.02485	0.02459	0.04802	0.02649	0.5026	0.50579	1.08E+00	2.15E-02	5.96E-08	5.96E-04	1.04E-02	1.71E-03	8.20E-02	7.92E-02	1.12E+00
5623	479931.87	3850829.56	0.23624	0.64313	0.0251	0.02483	0.0489	0.02688	0.6351	0.64313	1.13E+00	2.74E-02	6.02E-08	6.02E-04	1.05E-02	1.74E-03	1.04E-01	1.01E-01	1.18E+00
5624	479995.55	3850926.75	0.22388	0.95486	0.02536	0.02631	0.04634	0.02702	0.9236	0.95486	1.07E+00	4.06E-02	6.08E-08	6.37E-04	9.99E-03	1.75E-03	1.51E-01	1.50E-01	1.13E+00
5625	480079.78	3850968.64	0.21552	0.94313	0.02579	0.02529	0.04672	0.0285	0.9192	0.94313	1.03E+00	4.01E-02	6.19E-08	6.13E-04	1.01E-02	1.84E-03	1.50E-01	1.48E-01	1.09E+00
5626	480164.01	3851010.54	0.21047	0.9314	0.02612	0.02539	0.04698	0.02972	0.9166	0.9314	1.01E+00	3.96E-02	6.26E-08	6.15E-04	1.01E-02	1.92E-03	1.50E-01	1.46E-01	1.07E+00
5627	480248.23	3851052.43	0.20716	0.92473	0.02635	0.02554	0.04712	0.03067	0.9056	0.92473	9.94E-01	3.93E-02	6.32E-08	6.19E-04	1.02E-02	1.98E-03	1.48E-01	1.45E-01	1.05E+00
5628	480332.46	3851094.33	0.20519	0.92328	0.02714	0.0257	0.04712	0.0314	0.9148	0.92328	9.85E-01	3.93E-02	6.51E-08	6.23E-04	1.02E-02	2.03E-03	1.49E-01	1.45E-01	1.04E+00
5629	480416.69	3851136.22	0.20403	0.94611	0.02856	0.0277	0.047	0.03194	0.9402	0.94611	9.79E-01	4.03E-02	6.85E-08	6.71E-04	1.01E-02	2.07E-03	1.53E-01	1.48E-01	1.04E+00
5630	480579.95	3851215.17	0.19988	0.94474	0.03114	0.02888	0.04734	0.04878	0.9394	0.94474	9.59E-01	4.02E-02	7.47E-08	7.00E-04	1.02E-02	3.16E-03	1.53E-01	1.48E-01	1.02E+00
5631	480658.98	3851252.22	0.20557	0.92785	0.03168	0.02852	0.0481	0.05005	0.9263	0.92785	9.87E-01	3.95E-02	7.60E-08	6.91E-04	1.04E-02	3.24E-03	1.51E-01	1.45E-01	1.05E+00
5632	480817.36	3851327.85	0.20385	0.90807	0.02992	0.03137	0.04968	0.04757	0.9153	0.90807	9.78E-01	3.86E-02	7.18E-08	7.60E-04	1.07E-02	3.08E-03	1.49E-01	1.42E-01	1.04E+00
5633	480896.71	3851366.42	0.20504	0.90494	0.02817	0.0297	0.05043	0.04636	0.9167	0.90494	9.84E-01	3.85E-02	6.76E-08	7.20E-04	1.09E-02	3.00E-03	1.50E-01	1.42E-01	1.04E+00
5634	480976.07	3851405	0.20629	0.90262	0.02697	0.03036	0.05117	0.04515	0.9158	0.90262	9.90E-01	3.84E-02	6.47E-08	7.36E-04	1.10E-02	2.92E-03	1.49E-01	1.41E-01	1.05E+00
5635	481178	3851487.31	0.17869	0.80194	0.02806	0.03281	0.0534	0.04157	0.8206	0.80194	8.58E-01	3.41E-02	6.73E-08	7.95E-04	1.15E-02	2.69E-03	1.34E-01	1.26E-01	9.15E-01
5636	481244.9	3851557.17	0.19393	0.95806	0.02855	0.033	0.05371	0.04313	0.963	0.95806	9.31E-01	4.08E-02	6.85E-08	7.99E-04	1.16E-02	2.79E-03	1.57E-01	1.50E-01	9.94E-01
5637	481311.81	3851627.03	0.2297	1.0412	0.02904	0.03319	0.05406	0.04465	1.0469	1.0412	1.10E+00	4.43E-02	6.96E-08	8.04E-04	1.17E-02	2.89E-03	1.71E-01	1.63E-01	1.17E+00
5638	481378.71	3851696.89	0.24973	1.17654	0.02952	0.0334	0.05443	0.04624	1.1775	1.17654	1.20E+00	5.01E-02	7.08E-08	8.09E-04	1.17E-02	2.99E-03	1.92E-01	1.84E-01	1.27E+00
5639	481445.61	3851766.76	0.23459	0.97217	0.02999	0.03361	0.05479	0.04795	0.9757	0.97217	1.13E+00	4.14E-02	7.19E-08	8.14E-04	1.18E-02	3.10E-03	1.59E-01	1.52E-01	1.19E+00

5640	481512.51	3851836.62	0.22224	1.03062	0.03044	0.03384	0.05519	0.0497	1.0323	1.03062	1.07E+00	4.39E-02	7.30E-08	8.20E-04	1.19E-02	3.22E-03	1.68E-01	1.61E-01	1.13E+00
5641	481579.42	3851906.48	0.21185	1.04263	0.03087	0.03408	0.05561	0.05154	1.0443	1.04263	1.02E+00	4.44E-02	7.40E-08	8.26E-04	1.20E-02	3.33E-03	1.70E-01	1.63E-01	1.08E+00
5642	481646.32	3851976.34	0.20498	1.04196	0.03093	0.03432	0.05601	0.05353	1.0439	1.04196	9.84E-01	4.43E-02	7.42E-08	8.31E-04	1.21E-02	3.46E-03	1.70E-01	1.63E-01	1.05E+00
5643	481713.22	3852046.2	0.20524	1.01421	0.03076	0.0346	0.05653	0.05549	1.0191	1.01421	9.85E-01	4.32E-02	7.38E-08	8.38E-04	1.22E-02	3.59E-03	1.66E-01	1.59E-01	1.05E+00
5644	481780.12	3852116.06	0.1975	0.98291	0.03063	0.03487	0.0569	0.05782	0.9879	0.98291	9.48E-01	4.18E-02	7.35E-08	8.45E-04	1.23E-02	3.74E-03	1.61E-01	1.54E-01	1.01E+00
5645	481847.03	3852185.92	0.19385	0.95679	0.03239	0.03515	0.05722	0.06032	0.9618	0.95679	9.30E-01	4.07E-02	7.77E-08	8.52E-04	1.23E-02	3.90E-03	1.57E-01	1.50E-01	9.95E-01
5646	481913.93	3852255.78	0.1927	0.9222	0.03334	0.03643	0.05753	0.06295	0.9275	0.9222	9.25E-01	3.92E-02	8.00E-08	8.83E-04	1.24E-02	4.07E-03	1.51E-01	1.44E-01	9.88E-01
5647	481980.83	3852325.65	0.1907	0.90984	0.03538	0.03809	0.05854	0.06569	0.9094	0.90984	9.15E-01	3.87E-02	8.49E-08	9.23E-04	1.26E-02	4.25E-03	1.48E-01	1.43E-01	9.78E-01
5648	482047.73	3852395.51	0.18918	0.92786	0.03594	0.03991	0.06058	0.07134	0.9096	0.92786	9.08E-01	3.95E-02	8.62E-08	9.67E-04	1.31E-02	4.62E-03	1.48E-01	1.45E-01	9.69E-01
5649	482114.64	3852465.37	0.18581	0.94364	0.03759	0.04285	0.06263	0.07272	0.8981	0.94364	8.92E-01	4.02E-02	9.02E-08	1.04E-03	1.35E-02	4.71E-03	1.47E-01	1.48E-01	9.50E-01
5650	482181.54	3852535.23	0.18497	0.96936	0.0453	0.04898	0.06473	0.09035	0.9436	0.96936	8.88E-01	4.12E-02	1.09E-07	1.19E-03	1.40E-02	5.85E-03	1.54E-01	1.52E-01	9.52E-01
5651	482338.69	3852700.04	0.20863	0.98943	0.04731	0.07241	0.06984	0.12142	0.9934	0.98943	1.00E+00	4.21E-02	1.13E-07	1.75E-03	1.51E-02	7.86E-03	1.62E-01	1.55E-01	1.08E+00
5652	482404.05	3852767.78	0.26247	0.99581	0.05713	0.08809	0.07194	0.12365	0.9887	0.99581	1.26E+00	4.24E-02	1.37E-07	2.13E-03	1.55E-02	8.00E-03	1.61E-01	1.56E-01	1.33E+00
5653	482469.4	3852835.52	0.27959	0.99185	0.06893	0.09962	0.07407	0.12822	0.9858	0.99185	1.34E+00	4.22E-02	1.65E-07	2.41E-03	1.60E-02	8.30E-03	1.61E-01	1.55E-01	1.42E+00
5654	482534.75	3852903.25	0.26884	0.99133	0.08005	0.10212	0.0761	0.13525	0.9905	0.99133	1.29E+00	4.22E-02	1.92E-07	2.47E-03	1.64E-02	8.75E-03	1.62E-01	1.55E-01	1.37E+00
5655	482600.11	3852970.99	0.25502	1.04426	0.10899	0.10462	0.07683	0.1445	0.9847	1.04426	1.22E+00	4.44E-02	2.61E-07	2.53E-03	1.66E-02	9.35E-03	1.61E-01	1.64E-01	1.29E+00
5656	482706.71	3853119.28	0.25269	0.91127	0.11613	0.11502	0.08346	0.16354	0.9302	0.91127	1.21E+00	3.88E-02	2.79E-07	2.79E-03	1.80E-02	1.06E-02	1.52E-01	1.43E-01	1.29E+00
5657	482747.96	3853199.84	0.26181	0.86241	0.13366	0.1228	0.08544	0.16662	0.8703	0.86241	1.26E+00	3.67E-02	3.21E-07	2.98E-03	1.84E-02	1.08E-02	1.42E-01	1.35E-01	1.33E+00
5658	482789.21	3853280.4	0.27188	0.77837	0.15353	0.13073	0.08631	0.17636	0.8065	0.77837	1.30E+00	3.31E-02	3.68E-07	3.17E-03	1.86E-02	1.14E-02	1.32E-01	1.22E-01	1.38E+00
5659	482830.46	3853360.96	0.28315	0.66013	0.15491	0.13894	0.086	0.18918	0.7525	0.66013	1.36E+00	2.81E-02	3.72E-07	3.37E-03	1.85E-02	1.22E-02	1.23E-01	1.03E-01	1.44E+00
5660	482871.71	3853441.52	0.29557	0.61874	0.14896	0.14734	0.09075	0.20447	0.6836	0.61874	1.42E+00	2.63E-02	3.57E-07	3.57E-03	1.96E-02	1.32E-02	1.12E-01	9.69E-02	1.50E+00
5661	482912.95	3853522.07	0.31043	0.55904	0.15557	0.15652	0.08831	0.22809	0.6589	0.55904	1.49E+00	2.38E-02	3.73E-07	3.79E-03	1.90E-02	1.48E-02	1.08E-01	8.76E-02	1.57E+00
5662	482954.2	3853602.63	0.32645	0.49494	0.17419	0.16657	0.08382	0.29577	0.641	0.49494	1.57E+00	2.11E-02	4.18E-07	4.04E-03	1.81E-02	1.91E-02	1.05E-01	7.75E-02	1.66E+00
5663	482995.45	3853683.19	0.34456	0.45015	0.19255	0.17919	0.07884	0.34541	0.6063	0.45015	1.65E+00	1.92E-02	4.62E-07	4.34E-03	1.70E-02	2.23E-02	9.90E-02	7.05E-02	1.74E+00
5664	483036.7	3853763.75	0.36566	0.41007	0.20846	0.27239	0.07349	0.44053	0.5679	0.41007	1.75E+00	1.74E-02	5.00E-07	6.60E-03	1.58E-02	2.85E-02	9.27E-02	6.42E-02	1.85E+00
5665	483214.2	3853909.91	0.4339	0.26432	0.11099	0.8662	0.07653	0.95761	0.3941	0.26432	2.08E+00	1.12E-02	2.66E-07	2.10E-02	1.65E-02	6.20E-02	6.43E-02	4.14E-02	2.22E+00
5666	483307.01	3853910.44	0.43231	0.24475	0.10521	0.6521	0.0893	0.69094	0.3445	0.24475	2.07E+00	1.04E-02	2.52E-07	1.58E-02	1.93E-02	4.47E-02	5.62E-02	3.83E-02	2.18E+00
5667	483399.83	3853910.96	0.41081	0.21598	0.09615	0.49217	0.10233	0.54126	0.2814	0.21598	1.97E+00	9.19E-03	2.31E-07	1.19E-02	2.21E-02	3.50E-02	4.59E-02	3.38E-02	2.06E+00
5668	483494.52	3854009.24	0.42123	0.19701	0.11996	0.72031	0.10215	0.47585	0.2912	0.19701	2.02E+00	8.38E-03	2.88E-07	1.75E-02	2.20E-02	3.08E-02	4.75E-02	3.09E-02	2.12E+00
5669	483496.41	3854106.98	0.44258	0.20009	0.1276	1.16894	0.08718	0.6708	0.3942	0.20009	2.12E+00	8.51E-03	3.06E-07	2.83E-02	1.88E-02	4.34E-02	6.43E-02	3.13E-02	2.26E+00
5670	483577.56	3854261.96	0.47453	0.18055	0.12184	3.07765	0.10179	1.24561	0.5498	0.18055	2.28E+00	7.68E-03	2.92E-07	7.46E-02	2.20E-02	8.06E-02	8.97E-02	2.83E-02	2.52E+00
5671	483656.83	3854319.19	0.48281	0.15849	0.12547	3.53829	0.09272	1.20437	0.5849	0.15849	2.32E+00	6.74E-03	3.01E-07	8.57E-02	2.00E-02	7.79E-02	9.55E-02	2.48E-02	2.58E+00
5672	483736.1	3854376.41	0.4892	0.14055	0.23651	3.50831	0.09308	1.16752	0.5925	0.14055	2.35E+00	5.98E-03	5.67E-07	8.50E-02	2.01E-02	7.55E-02	9.67E-02	2.20E-02	2.61E+00
5673	483815.36	3854433.64	0.50309	0.12287	0.34621	3.59013	0.09483	1.11645	0.6173	0.12287	2.41E+00	5.23E-03	8.30E-07	8.70E-02	2.05E-02	7.22E-02	1.01E-01	1.92E-02	2.68E+00
5674	483894.63	3854490.87	0.52123	0.10893	0.30495	3.6602	0.09705	1.08407	0.6579	0.10893	2.50E+00	4.63E-03	7.31E-07	8.87E-02	2.09E-02	7.01E-02	1.07E-01	1.71E-02	2.78E+00
5675	483973.9	3854548.09	0.5447	0.09841	0.37527	3.68487	0.09946	1.05908	0.7036	0.09841	2.61E+00	4.19E-03	9.00E-07	8.93E-02	2.15E-02	6.85E-02	1.15E-01	1.54E-02	2.90E+00
5676	484053.17	3854605.32	0.56515	0.09469	0.51875	3.77144	0.10296	1.05213	0.7573	0.09469	2.71E+00	4.03E-03	1.24E-06	9.14E-02	2.22E-02	6.81E-02	1.24E-01	1.48E-02	3.01E+00
5677	484214.97	3854698.15	0.59171	0.08826	0.4648	3.4242	0.09941	0.91864	0.8326	0.08826	2.84E+00	3.76E-03	1.11E-06	8.30E-02	2.14E-02	5.94E-02	1.36E-01	1.38E-02	3.13E+00
5678	484297.5	3854733.74	0.58689	0.08817	0.50507	3.58152	0.10744	0.88563	0.8587	0.08817	2.82E+00	3.75E-03	1.21E-06	8.68E-02	2.32E-02	5.73E-02	1.40E-01	1.38E-02	3.11E+00
5679	484380.03	3854769.34	0.59719	0.09337	0.49661	3.74004	0.12155	0.88158	0.8387	0.09337	2.87E+00	3.97E-03	1.19E-06	9.06E-02	2.62E-02	5.70E-02	1.37E-01	1.46E-02	3.17E+00
5680	484462.56	3854804.94	0.60593	0.09815	0.52544	4.09814	0.136	0.87085	0.858	0.09815	2.91E+00	4.18E-03	1.26E-06	9.93E-02	2.93E-02	5.63E-02	1.40E-01	1.54E-02	3.22E+00
5681	484545.09	3854840.53	0.60956	0.10096	0.4487	3.80802	0.15058	0.84092	0.81	0.10096	2.93E+00	4.30E-03	1.08E-06	9.23E-02	3.25E-02	5.44E-02	1.32E-01	1.58E-02	3.23E+00
5682	484691.88	3854912.58	0.59785	0.11198	0.40199	4.20079	0.18183	0.89788	0.8802	0.11198	2.87E+00	4.76E-03	9.64E-07	1.02E-01	3.92E-02	5.81E-02	1.44E-01	1.75E-02	3.20E+00
5683	484830.81	3855012.51	0.59255	0.11714	0.40108	3.51632	0.19707	0.95216	0.8392	0.11714	2.84E+00	4.98E-03	9.62E-07	8.52E-02	4.25E-02	6.16E-02	1.37E-01	1.84E-02	3.16E+00
5684	484905.48	3855075.97	0.58024	0.11992	0.40547	3.54546	0.20227	0.95166	0.789	0.11992	2.78E+00	5.10E-03	9.72E-07	8.59E-02	4.36E-02	6.16E-02	1.29E-01	1.88E-02	3.09E+00
5685	484980.14	3855139.44	0.57201	0.12089	0.36378	3.66063	0.20788	0.89358	0.7416	0.12089	2.75E+00	5.14E-03	8.72E-07	8.87E-02	4.48E-02	5.78E-02	1.21E-01	1.89E-02	3.04E+00
5686	485054.81	3855202.91	0.57639	0.12093	0.3791	3.43453	0.21418	0.88385	0.7159	0.12093	2.77E+00	5.15E-03	9.09E-07	8.32E-02	4.62E-02	5.72E-02	1.17E-01	1.89E-02	3.06E+00
5687	485129.48	3855266.37	0.5814	0.11985	0.42805	3.22094	0.22136	0.91772	0.7348	0.11985	2.79E+00	5.10E-03	1.03E-06	7.80E-02	4.77E-02	5.94E-02	1.20E-01	1.88E-02	3.08E+00
5688	485204.15	3855329.84	0.57376	0.12033	0.43548	3.34089	0.22813	0.90482	0.7528	0.12033	2.75E+00	5.12E-03	1.04E-06	8.09E-02	4.92E-02	5.85E-02	1.23E-01	1.88E-02	3.05E+00
5689	485278.82	3855393.31	0.57756	0.1179	0.45395	3.22794	0.2554	0.8698	0.7066	0.1179	2.77E+00	5.02E-03	1.09E-06	7.82E-02	5.51E-02	5.63E-02	1.15E-01	1.85E-02	3.06E+00
5690	485353.48	3855456.77	0.57323	0.11572	0.37278	3.31194	0.30184	0.8546	0.6607	0.11572	2.75E+00	4.92E-03	8.94E-07	8.02E-02	6.51E-02	5.53E-02	1.08E-01	1.81E-02	3.05E+00
5691	485428.15	3855520.24	0.57355	0.11331	0.42316	3.03291	0.34858	0.84537	0.62	0.11331	2.75E+00	4.82E-03	1.01E-06	7.35E-02	7.52E-02	5.47E-02	1.01E-01	1.78E-02	3.04E+00
5692	485502.82	3855583.71	0.57475	0.11142	0.45696	3.44155	0.36869	0.83935	0.5982	0.11142	2.76E+00	4.74E-03	1.10E-06	8.34E-02	7.95E-02	5.43E-02	9.76E-02	1.75E-02	3.06E+00
5693	485577.49	3855647.17	0.5727	0.11561	0.40865	3.04513	0.38944	0.86072	0.59	0.11561	2.75E+00	4.92E-03	9.80E-07	7.38E-02	8.40E-02	5.57E-02	9.63E-02	1.81E-02	3.04E+00
5694	485652.16	3855710.64	0.57303	0.11379	0.6266	3.54444	0.39988	0.84832	0.5955	0.11379	2.75E+00	4.84E-03	1.50E-06	8.59E-02	8.62E-02	5.49E-02	9.72E-02	1.78E-02	3.06E+00
5695	485726.83	3855774.1	0.57436	0.11136	0.6181	3.03758	0.43001	0.82905	0.5843	0.11136	2.76E+00	4.74E-03	1.48E-06	7.36E-02	9.27E-02	5.36E-02	9.54E-02	1.74E-02	3.06E+00
5696	485801.49	3855837.57	0.57784	0.10933	0.66554	3.30061	0.45372	0.81597	0.564	0.10933	2.77E+00	4.65E-03	1.60E-06	8.00E-02	9.79E-02	5.28E-02	9.21E-02	1.71E-02	3.08E+00

5697	485876.16	3855901.04	0.57983	0.10947	0.6928	2.99724	0.47819	0.80865	0.5424	0.10947	2.78E+00	4.66E-03	1.66E-06	7.26E-02	1.03E-01	5.23E-02	8.85E-02	1.71E-02	3.09E+00
5698	485950.83	3855964.5	0.58579	0.10984	0.63801	3.30212	0.50894	0.79365	0.5232	0.10984	2.81E+00	4.67E-03	1.53E-06	8.00E-02	1.10E-01	5.14E-02	8.54E-02	1.72E-02	3.13E+00
5699	486025.5	3856027.97	0.59854	0.10862	0.53615	3.12513	0.53052	0.78109	0.4956	0.10862	2.87E+00	4.62E-03	1.29E-06	7.57E-02	1.14E-01	5.05E-02	8.09E-02	1.70E-02	3.18E+00
5700	486100.17	3856091.44	0.59014	0.10841	0.55847	3.22757	0.57962	0.77781	0.4946	0.10841	2.83E+00	4.61E-03	1.34E-06	7.82E-02	1.25E-01	5.03E-02	8.07E-02	1.70E-02	3.15E+00
5701	486174.83	3856154.9	0.59701	0.10757	0.50211	3.0776	0.61238	0.75878	0.468	0.10757	2.86E+00	4.58E-03	1.20E-06	7.46E-02	1.32E-01	4.91E-02	7.64E-02	1.69E-02	3.18E+00
5702	486249.5	3856218.37	0.61196	0.09884	0.4199	3.23135	0.61867	0.7194	0.4339	0.09884	2.94E+00	4.21E-03	1.01E-06	7.83E-02	1.33E-01	4.65E-02	7.08E-02	1.55E-02	3.25E+00
5703	486324.17	3856281.84	0.6261	0.09587	0.34763	3.09126	0.64298	0.72283	0.4257	0.09587	3.00E+00	4.08E-03	8.34E-07	7.49E-02	1.39E-01	4.68E-02	6.95E-02	1.50E-02	3.32E+00
5704	486398.84	3856345.3	0.62726	0.09567	0.35753	3.3085	0.69605	0.73703	0.4333	0.09567	3.01E+00	4.07E-03	8.57E-07	8.02E-02	1.50E-01	4.77E-02	7.07E-02	1.50E-02	3.35E+00
5705	486473.51	3856408.77	0.63172	0.09417	0.38744	3.08231	0.85848	0.73634	0.4211	0.09417	3.03E+00	4.01E-03	9.29E-07	7.47E-02	1.85E-01	4.76E-02	6.87E-02	1.48E-02	3.40E+00
5706	486548.17	3856472.24	0.63229	0.09331	0.36462	3.20948	1.01576	0.73516	0.4211	0.09331	3.03E+00	3.97E-03	8.74E-07	7.78E-02	2.19E-01	4.76E-02	6.87E-02	1.46E-02	3.44E+00
5707	486622.84	3856535.7	0.63241	0.09424	0.36939	3.53916	1.30289	0.73074	0.4233	0.09424	3.03E+00	4.01E-03	8.86E-07	8.57E-02	2.81E-01	4.73E-02	6.91E-02	1.48E-02	3.51E+00
5708	486765.48	3856659.69	0.61682	0.10144	0.33715	2.8201	2.03251	0.73102	0.398	0.10144	2.96E+00	4.32E-03	8.09E-07	6.83E-02	4.38E-01	4.73E-02	6.50E-02	1.59E-02	3.57E+00
5709	486833.44	3856720.2	0.6216	0.10471	0.35378	3.49091	2.4464	0.74891	0.3909	0.10471	2.98E+00	4.46E-03	8.48E-07	8.46E-02	5.28E-01	4.85E-02	6.38E-02	1.64E-02	3.70E+00
5710	486901.41	3856780.72	0.62523	0.10939	0.29792	3.37645	3.24256	0.76872	0.3825	0.10939	3.00E+00	4.65E-03	7.15E-07	8.18E-02	6.99E-01	4.97E-02	6.24E-02	1.71E-02	3.88E+00
5711	486969.38	3856841.24	0.62412	0.11175	0.35839	3.24606	5.21271	0.77975	0.3795	0.11175	3.00E+00	4.75E-03	8.60E-07	7.86E-02	1.12E+00	5.05E-02	6.19E-02	1.75E-02	4.30E+00
5712	487037.34	3856901.75	0.62649	0.11574	0.35035	3.14664	6.25675	0.78177	0.3788	0.11574	3.01E+00	4.92E-03	8.40E-07	7.62E-02	1.35E+00	5.06E-02	6.18E-02	1.81E-02	4.53E+00
5713	487271.23	3856855.51	0.48149	0.1092	0.30145	0.72454	7.97026	0.44347	0.2792	0.1092	2.31E+00	4.65E-03	7.23E-07	1.76E-02	1.72E+00	2.87E-02	4.56E-02	1.71E-02	4.11E+00
5714	487368.95	3856857.29	0.45167	0.10726	0.24647	0.60402	8.29937	0.38634	0.2626	0.10726	2.17E+00	4.56E-03	5.91E-07	1.46E-02	1.79E+00	2.50E-02	4.29E-02	1.68E-02	4.03E+00
5715	487466.68	3856859.06	0.42823	0.10575	0.25074	0.53762	7.76519	0.3528	0.2353	0.10575	2.06E+00	4.50E-03	6.01E-07	1.30E-02	1.67E+00	2.28E-02	3.84E-02	1.66E-02	3.79E+00
5716	487636.44	3856930	0.40347	0.10872	0.28562	0.48499	8.98609	0.32353	0.2072	0.10872	1.94E+00	4.63E-03	6.85E-07	1.17E-02	1.94E+00	2.09E-02	3.38E-02	1.70E-02	3.93E+00
5717	487709.57	3856928.43	0.38841	0.1077	0.2411	0.45393	8.56719	0.3094	0.1996	0.1077	1.86E+00	4.58E-03	5.78E-07	1.10E-02	1.85E+00	2.00E-02	3.26E-02	1.69E-02	3.76E+00
5718	487782.55	3856841.96	0.36408	0.10053	0.26004	0.38087	7.23626	0.26603	0.1841	0.10053	1.75E+00	4.28E-03	6.24E-07	9.23E-03	1.56E+00	1.72E-02	3.01E-02	1.57E-02	3.35E+00
5719	487849.83	3856754.74	0.34303	0.09388	0.25551	0.3283	5.69664	0.22704	0.1704	0.09388	1.65E+00	3.99E-03	6.13E-07	7.95E-03	1.23E+00	1.47E-02	2.78E-02	1.47E-02	2.91E+00
5720	487918.03	3856819.39	0.34138	0.09702	0.26641	0.34669	6.09491	0.22802	0.1717	0.09702	1.64E+00	4.13E-03	6.39E-07	8.40E-03	1.31E+00	1.48E-02	2.80E-02	1.52E-02	2.99E+00
5721	487918.8	3856886.37	0.34933	0.10145	0.25044	0.36107	7.53895	0.24761	0.1769	0.10145	1.68E+00	4.32E-03	6.01E-07	8.75E-03	1.63E+00	1.60E-02	2.89E-02	1.59E-02	3.34E+00
5722	488065.46	3857127.5	0.3578	0.10903	0.25622	0.39683	9.42118	0.28227	0.1849	0.10903	1.72E+00	4.64E-03	6.15E-07	9.61E-03	2.03E+00	1.83E-02	3.02E-02	1.71E-02	3.79E+00
5723	488192.19	3857385.83	0.37104	0.12661	0.25555	0.47635	8.45786	0.33833	0.2101	0.12661	1.78E+00	5.39E-03	6.13E-07	1.15E-02	1.82E+00	2.19E-02	3.43E-02	1.98E-02	3.66E+00
5724	488191.21	3857473.87	0.38845	0.13606	0.41834	0.51425	8.12623	0.37096	0.2115	0.13606	1.86E+00	5.79E-03	1.00E-06	1.25E-02	1.75E+00	2.40E-02	3.45E-02	2.13E-02	3.67E+00
5725	488190.24	3857561.9	0.41231	0.14658	0.34635	0.57264	7.99179	0.42224	0.2225	0.14658	1.98E+00	6.24E-03	8.31E-07	1.39E-02	1.72E+00	2.73E-02	3.63E-02	2.30E-02	3.76E+00
5726	488158.35	3857691.13	0.47253	0.15824	0.63374	0.78746	6.45142	0.58501	0.2554	0.15824	2.27E+00	6.73E-03	1.52E-06	1.91E-02	1.39E+00	3.79E-02	4.17E-02	2.48E-02	3.74E+00
5727	488208.37	3857816.66	0.50749	0.17207	0.95452	1.03481	3.87636	0.79704	0.2768	0.17207	2.44E+00	7.32E-03	2.29E-06	2.51E-02	8.36E-01	5.16E-02	4.52E-02	2.70E-02	3.37E+00
5728	488271.97	3857874.6	0.50723	0.17826	1.08076	1.04285	3.03899	0.81227	0.2763	0.17826	2.43E+00	7.58E-03	2.59E-06	2.53E-02	6.55E-01	5.26E-02	4.51E-02	2.79E-02	3.19E+00
5729	488463.56	3857942.31	0.46959	0.18284	0.8925	0.78753	2.48667	0.70066	0.2497	0.18284	2.25E+00	7.78E-03	2.14E-06	1.91E-02	5.36E-01	4.53E-02	4.08E-02	2.86E-02	2.87E+00
5730	488554.83	3857940.83	0.43392	0.17591	0.80612	0.67359	2.55427	0.62421	0.228	0.17591	2.08E+00	7.48E-03	1.93E-06	1.63E-02	5.51E-01	4.04E-02	3.72E-02	2.76E-02	2.71E+00
5731	488646.1	3857939.36	0.40954	0.16853	0.73744	0.6008	2.34197	0.57285	0.214	0.16853	1.97E+00	7.17E-03	1.77E-06	1.46E-02	5.05E-01	3.71E-02	3.49E-02	2.64E-02	2.54E+00
5732	488737.37	3857937.88	0.38888	0.16318	0.68893	0.55139	2.26578	0.53084	0.204	0.16318	1.87E+00	6.94E-03	1.65E-06	1.34E-02	4.89E-01	3.43E-02	3.33E-02	2.56E-02	2.42E+00
5733	488733.59	3857960.57	0.40029	0.16798	0.64693	0.56639	2.21546	0.54048	0.2071	0.16798	1.92E+00	7.15E-03	1.55E-06	1.37E-02	4.78E-01	3.50E-02	3.38E-02	2.63E-02	2.46E+00
5734	488638.09	3857961.57	0.41699	0.17421	0.71467	0.6245	2.25939	0.58467	0.2185	0.17421	2.00E+00	7.41E-03	1.71E-06	1.51E-02	4.87E-01	3.78E-02	3.57E-02	2.73E-02	2.56E+00
5735	488542.6	3857962.56	0.45091	0.18185	0.7901	0.71262	2.31533	0.64308	0.2345	0.18185	2.16E+00	7.74E-03	1.89E-06	1.73E-02	4.99E-01	4.16E-02	3.83E-02	2.85E-02	2.74E+00
5736	488447.1	3857963.56	0.48396	0.18684	0.88655	0.8584	2.45952	0.73185	0.2597	0.18684	2.32E+00	7.95E-03	2.13E-06	2.08E-02	5.30E-01	4.74E-02	4.24E-02	2.93E-02	2.94E+00
5737	488254.28	3857890.36	0.52729	0.18163	1.0299	1.16633	3.04395	0.89705	0.2887	0.18163	2.53E+00	7.73E-03	2.47E-06	2.83E-02	6.57E-01	5.80E-02	4.71E-02	2.85E-02	3.30E+00
5738	488191.69	3857833.06	0.52683	0.17482	1.01025	1.13895	3.55031	0.87382	0.287	0.17482	2.53E+00	7.44E-03	2.42E-06	2.76E-02	7.66E-01	5.65E-02	4.68E-02	2.74E-02	3.40E+00
5739	488129.5	3857907.43	0.60399	0.19356	1.23522	3.32366	3.87186	1.54236	0.361	0.19356	2.90E+00	8.24E-03	2.96E-06	8.05E-02	8.35E-01	9.98E-02	5.89E-02	3.03E-02	3.95E+00
5740	488196.47	3857968.73	0.60313	0.20676	1.2017	3.39275	3.08293	1.51717	0.3578	0.20676	2.89E+00	8.80E-03	2.88E-06	8.22E-02	6.65E-01	9.82E-02	5.84E-02	3.24E-02	3.77E+00
5741	488263.44	3858030.04	0.60757	0.22092	0.95103	3.40293	2.57207	1.496	0.3482	0.22092	2.92E+00	9.40E-03	2.28E-06	8.24E-02	5.55E-01	9.68E-02	5.68E-02	3.46E-02	3.68E+00
5742	488400.64	3858132.9	0.62095	0.23557	0.78669	2.31617	2.23903	1.24913	0.3276	0.23557	2.98E+00	1.00E-02	1.89E-06	5.61E-02	4.83E-01	8.08E-02	5.35E-02	3.69E-02	3.63E+00
5743	488519.89	3858218.38	0.63687	0.25455	0.65542	1.8887	1.94109	1.12824	0.344	0.25455	3.06E+00	1.08E-02	1.57E-06	4.58E-02	4.19E-01	7.30E-02	5.61E-02	3.99E-02	3.62E+00
5744	488647.97	3858214.99	0.55359	0.2332	0.58973	1.04646	1.70197	0.82735	0.2833	0.2332	2.66E+00	9.92E-03	1.41E-06	2.54E-02	3.67E-01	5.35E-02	4.62E-02	3.65E-02	3.12E+00
5745	488727.05	3858167.67	0.48914	0.20348	0.58665	0.7805	1.66832	0.6853	0.2458	0.20348	2.35E+00	8.66E-03	1.41E-06	1.89E-02	3.60E-01	4.43E-02	4.01E-02	3.19E-02	2.79E+00
5746	488806.12	3858120.35	0.46283	0.18939	0.59786	0.6588	1.75623	0.60063	0.221	0.18939	2.22E+00	8.06E-03	1.43E-06	1.60E-02	3.79E-01	3.89E-02	3.61E-02	2.97E-02	2.67E+00
5747	488885.2	3858073.03	0.44073	0.17772	0.56877	0.57596	1.93209	0.53023	0.2032	0.17772	2.12E+00	7.56E-03	1.36E-06	1.40E-02	4.17E-01	3.43E-02	3.32E-02	2.78E-02	2.59E+00
5748	489055.76	3857991.17	0.40632	0.15724	0.50102	0.48225	1.75123	0.44402	0.1798	0.15724	1.95E+00	6.69E-03	1.20E-06	1.17E-02	3.78E-01	2.87E-02	2.94E-02	2.46E-02	2.38E+00
5749	489245.39	3857944.54	0.39371	0.13962	0.51376	0.43445	1.74941	0.37301	0.1666	0.13962	1.89E+00	5.94E-03	1.23E-06	1.05E-02	3.77E-01	2.41E-02	2.72E-02	2.19E-02	2.31E+00
5750	489430.63	3857930.91	0.38783	0.13066	0.51968	0.41656	1.75642	0.34114	0.1545	0.13066	1.86E+00	5.56E-03	1.25E-06	1.01E-02	3.79E-01	2.21E-02	2.52E-02	2.05E-02	2.28E+00
5751	489517.74	3857929.36	0.39346	0.12688	0.50743	0.4891	1.76632	0.32959	0.1485	0.12688	1.89E+00	5.40E-03	1.22E-06	1.18E-02	3.81E-01	2.13E-02	2.42E-02	1.99E-02	2.31E+00
5752	489604.85	3857927.82	0.39009	0.12299	0.4903	0.5096	1.73174	0.31572	0.1422	0.12299	1.87E+00	5.23E-03	1.18E-06	1.23E-02	3.73E-01	2.04E-02	2.32E-02	1.93E-02	2.29E+00
5753	489691.97	3857926.28	0.38163	0.12002	0.46367	0.46498	1.71598	0.30182	0.1359	0.12002	1.83E+00	5.11E-03	1.11E-06	1.13E-02	3.70E-01	1.95E-02	2.22E-02	1.88E-02	2.24E+00

5754	489779.08	3857924.73	0.37426	0.11706	0.44322	0.44596	1.68258	0.29162	0.1305	0.11706	1.80E+00	4.98E-03	1.06E-06	1.08E-02	3.63E-01	1.89E-02	2.13E-02	1.83E-02	2.20E+00
5755	490017.55	3857875.08	0.33614	0.10676	0.34174	0.41187	1.40898	0.26341	0.1178	0.10676	1.61E+00	4.54E-03	8.20E-07	9.98E-03	3.04E-01	1.70E-02	1.92E-02	1.67E-02	1.95E+00
5756	490033.82	3857960.81	0.35253	0.11238	0.34812	0.47088	1.50947	0.26899	0.124	0.11238	1.69E+00	4.78E-03	8.35E-07	1.14E-02	3.26E-01	1.74E-02	2.02E-02	1.76E-02	2.05E+00
5757	489959.15	3857987.49	0.34732	0.11707	0.37207	0.49298	1.55645	0.28348	0.129	0.11707	1.67E+00	4.98E-03	8.92E-07	1.19E-02	3.36E-01	1.83E-02	2.11E-02	1.83E-02	2.04E+00
5758	489791.49	3858016.12	0.36493	0.12217	0.39487	0.56899	1.6028	0.29852	0.1383	0.12217	1.75E+00	5.20E-03	9.47E-07	1.38E-02	3.46E-01	1.93E-02	2.26E-02	1.91E-02	2.14E+00
5759	489698.51	3858018.07	0.3683	0.12641	0.4173	0.52677	1.54946	0.31247	0.1449	0.12641	1.77E+00	5.38E-03	1.00E-06	1.28E-02	3.34E-01	2.02E-02	2.37E-02	1.98E-02	2.14E+00
5760	489605.52	3858020.01	0.37003	0.13063	0.45724	0.55493	1.54074	0.33162	0.152	0.13063	1.78E+00	5.56E-03	1.10E-06	1.34E-02	3.32E-01	2.15E-02	2.48E-02	2.05E-02	2.15E+00
5761	489512.53	3858021.96	0.36931	0.13429	0.46706	0.54553	1.66089	0.34515	0.1567	0.13429	1.77E+00	5.71E-03	1.12E-06	1.32E-02	3.58E-01	2.23E-02	2.56E-02	2.10E-02	2.18E+00
5762	489419.55	3858023.91	0.37862	0.1396	0.47592	0.48883	1.5514	0.36139	0.1612	0.1396	1.82E+00	5.94E-03	1.14E-06	1.18E-02	3.35E-01	2.34E-02	2.63E-02	2.19E-02	2.20E+00
5763	489228.47	3858041.29	0.40221	0.14883	0.50438	0.48231	1.46191	0.39563	0.1715	0.14883	1.93E+00	6.33E-03	1.21E-06	1.17E-02	3.15E-01	2.56E-02	2.80E-02	2.33E-02	2.29E+00
5764	489065.75	3858085.78	0.42753	0.16548	0.51868	0.53643	1.74968	0.46147	0.1848	0.16548	2.05E+00	7.04E-03	1.24E-06	1.30E-02	3.77E-01	2.99E-02	3.02E-02	2.59E-02	2.48E+00
5765	489001.12	3858114.86	0.45341	0.17297	0.50706	0.57013	1.83757	0.50939	0.1935	0.17297	2.18E+00	7.36E-03	1.22E-06	1.38E-02	3.96E-01	3.30E-02	3.16E-02	2.71E-02	2.63E+00
5766	488861.89	3858189.81	0.49464	0.19272	0.54001	0.69928	1.66698	0.61237	0.2227	0.19272	2.37E+00	8.20E-03	1.30E-06	1.69E-02	3.60E-01	3.96E-02	3.63E-02	3.02E-02	2.80E+00
5767	488787.29	3858235.69	0.53864	0.21964	0.51505	0.82781	1.5518	0.70383	0.2498	0.21964	2.58E+00	9.35E-03	1.24E-06	2.01E-02	3.35E-01	4.55E-02	4.08E-02	3.44E-02	3.00E+00
5768	488712.68	3858281.57	0.60668	0.24138	0.58656	1.10466	1.52255	0.82361	0.2886	0.24138	2.91E+00	1.03E-02	1.41E-06	2.68E-02	3.28E-01	5.33E-02	4.71E-02	3.78E-02	3.34E+00
5769	488654.39	3858436.17	0.62473	0.31386	0.58601	3.49124	1.53246	1.8184	0.4083	0.31386	3.00E+00	1.34E-02	1.41E-06	8.46E-02	3.31E-01	1.18E-01	6.66E-02	4.92E-02	3.56E+00
5770	488726.3	3858505.26	0.55666	0.3331	0.61273	3.31877	1.36522	1.6838	0.4101	0.3331	2.67E+00	1.42E-02	1.47E-06	8.04E-02	2.94E-01	1.09E-01	6.69E-02	5.22E-02	3.18E+00
5771	488880.6	3858599.28	0.59278	0.34923	0.49884	3.26125	1.21955	1.5636	0.3745	0.34923	2.84E+00	1.49E-02	1.20E-06	7.90E-02	2.63E-01	1.01E-01	6.11E-02	5.47E-02	3.31E+00
5772	489008.06	3858714.75	0.49451	0.37748	0.46826	3.75637	1.09786	1.57933	0.3999	0.37748	2.37E+00	1.61E-02	1.12E-06	9.10E-02	2.37E-01	1.02E-01	6.53E-02	5.91E-02	2.83E+00
5773	489071.48	3858772.72	0.47545	0.39309	0.45786	3.51393	1.05021	1.55752	0.4071	0.39309	2.28E+00	1.67E-02	1.10E-06	8.51E-02	2.27E-01	1.01E-01	6.64E-02	6.16E-02	2.72E+00
5774	489244.59	3858920.19	0.43579	0.44748	0.41655	4.44237	0.92143	1.40411	0.4532	0.44748	2.09E+00	1.90E-02	9.99E-07	1.08E-01	1.99E-01	9.08E-02	7.40E-02	7.01E-02	2.51E+00
5775	489239.69	3858952.23	0.45114	0.49684	0.45736	4.46796	0.87756	2.00608	0.5052	0.49684	2.16E+00	2.11E-02	1.10E-06	1.08E-01	1.89E-01	1.30E-01	8.25E-02	7.78E-02	2.62E+00
5776	489121.67	3858854.49	0.46236	0.44656	0.41963	4.40862	0.98151	1.83694	0.4772	0.44656	2.22E+00	1.90E-02	1.01E-06	1.07E-01	2.12E-01	1.19E-01	7.79E-02	7.00E-02	2.68E+00
5777	489059.59	3858797.27	0.47584	0.42046	0.45712	3.81199	1.03301	1.77238	0.4466	0.42046	2.28E+00	1.79E-02	1.10E-06	9.24E-02	2.23E-01	1.15E-01	7.29E-02	6.59E-02	2.74E+00
5778	488997.52	3858740.04	0.49884	0.40072	0.48215	4.00561	1.08735	1.77635	0.4352	0.40072	2.39E+00	1.71E-02	1.16E-06	9.70E-02	2.35E-01	1.15E-01	7.10E-02	6.28E-02	2.87E+00
5779	488935.44	3858682.82	0.53979	0.38368	0.46709	3.62675	1.13914	1.86928	0.4251	0.38368	2.59E+00	1.63E-02	1.12E-06	8.79E-02	2.46E-01	1.21E-01	6.94E-02	6.01E-02	3.07E+00
5780	488869.17	3858848.43	0.59644	0.7626	0.45771	1.29104	0.99644	0.54048	1.1635	0.7626	2.86E+00	3.24E-02	1.10E-06	3.13E-02	2.15E-01	3.50E-02	1.90E-01	1.19E-01	3.25E+00
5781	488932.48	3858892.69	0.5714	0.80282	0.51457	1.32316	1.00935	0.573	1.1677	0.80282	2.74E+00	3.42E-02	1.23E-06	3.21E-02	2.18E-01	3.71E-02	1.91E-01	1.26E-01	3.13E+00
5782	489063.27	3858977.17	0.55896	0.86426	0.60499	1.61178	0.99728	0.62598	1.0782	0.86426	2.68E+00	3.68E-02	1.45E-06	3.90E-02	2.15E-01	4.05E-02	1.76E-01	1.35E-01	3.05E+00
5783	489248.2	3859117.15	0.541	1.25712	0.65955	1.83083	0.93725	0.6157	1.3323	1.25712	2.60E+00	5.35E-02	1.58E-06	4.44E-02	2.02E-01	3.98E-02	2.17E-01	1.97E-01	2.96E+00
5784	489296.25	3859049.22	0.47229	0.63925	0.44382	2.07758	0.86639	0.99752	0.6205	0.63925	2.27E+00	2.72E-02	1.06E-06	5.03E-02	1.87E-01	6.45E-02	1.01E-01	1.00E-01	2.60E+00
5785	489353.38	3858993.96	0.44693	0.46564	0.50942	3.48431	0.77095	1.43787	0.4553	0.46564	2.14E+00	1.98E-02	1.22E-06	8.44E-02	1.66E-01	9.30E-02	7.43E-02	7.29E-02	2.51E+00
5786	489537.24	3859120.22	0.47275	0.50082	0.74542	3.27862	0.68572	1.57414	0.4903	0.50082	2.27E+00	2.13E-02	1.79E-06	7.94E-02	1.48E-01	1.02E-01	8.00E-02	7.85E-02	2.62E+00
5787	489726.98	3859246.04	0.47502	0.54425	2.9741	3.50898	0.70933	1.56302	0.5223	0.54425	2.28E+00	2.32E-02	7.13E-06	8.50E-02	1.53E-01	1.01E-01	8.53E-02	8.53E-02	2.64E+00
5788	489911.46	3859366.33	0.46715	0.58444	6.44139	3.50939	0.65869	1.51419	0.5523	0.58444	2.24E+00	2.49E-02	1.54E-05	8.50E-02	1.42E-01	9.80E-02	9.02E-02	9.16E-02	2.59E+00
5789	490035.3	3859430.26	0.4687	0.57962	4.33092	3.39675	0.56472	1.57697	0.5565	0.57962	2.25E+00	2.47E-02	1.04E-05	8.23E-02	1.22E-01	1.02E-01	9.08E-02	9.08E-02	2.58E+00
5790	490101.11	3859458.61	0.45806	0.56702	2.98297	3.1447	0.57844	1.54302	0.5442	0.56702	2.20E+00	2.41E-02	7.15E-06	7.62E-02	1.25E-01	9.98E-02	8.88E-02	8.88E-02	2.52E+00
5791	490312.68	3859560.3	0.42232	0.5832	1.30195	3.42937	0.44719	1.40629	0.5649	0.5832	2.03E+00	2.48E-02	3.12E-06	8.31E-02	9.64E-02	9.10E-02	9.22E-02	9.14E-02	2.32E+00
5792	490401.63	3859603.12	0.42293	0.60341	1.06978	3.42232	0.46016	1.35485	0.6058	0.60341	2.03E+00	2.57E-02	2.57E-06	8.29E-02	9.92E-02	8.77E-02	9.89E-02	9.45E-02	2.33E+00
5793	490490.57	3859645.94	0.4224	0.62171	0.89068	3.4097	0.47137	1.34151	0.6275	0.62171	2.03E+00	2.65E-02	2.14E-06	8.26E-02	1.02E-01	8.68E-02	1.02E-01	9.74E-02	2.33E+00
5794	490579.51	3859688.76	0.4179	0.65018	0.87663	3.44898	0.48125	1.33508	0.6533	0.65018	2.01E+00	2.77E-02	2.10E-06	8.36E-02	1.04E-01	8.64E-02	1.07E-01	1.02E-01	2.31E+00
5795	490668.45	3859731.58	0.41343	0.62372	0.80413	3.43661	0.49061	1.30665	0.6409	0.62372	1.98E+00	2.65E-02	1.93E-06	8.33E-02	1.06E-01	8.45E-02	1.05E-01	9.77E-02	2.29E+00
5796	490757.4	3859774.4	0.41049	0.68818	0.75353	3.55085	0.49206	1.31807	0.712	0.68818	1.97E+00	2.93E-02	1.81E-06	8.60E-02	1.06E-01	8.53E-02	1.16E-01	1.08E-01	2.29E+00
5797	491003.53	3859861.82	0.38366	0.62555	0.59722	3.41459	0.45148	1.19775	0.6507	0.62555	1.84E+00	2.66E-02	1.43E-06	8.27E-02	9.74E-02	7.75E-02	1.06E-01	9.80E-02	2.13E+00
5798	491081.41	3859879.05	0.37288	0.57411	0.60033	3.70249	0.47803	1.21003	0.595	0.57411	1.79E+00	2.44E-02	1.44E-06	8.97E-02	1.03E-01	7.83E-02	9.71E-02	8.99E-02	2.09E+00
5799	491229.76	3859917.82	0.36224	0.5125	0.53687	3.6438	0.41155	1.31299	0.5353	0.5125	1.74E+00	2.18E-02	1.29E-06	8.83E-02	8.88E-02	8.50E-02	8.74E-02	8.03E-02	2.03E+00
5800	491300.22	3859939.35	0.35609	0.48436	0.50076	3.63123	0.39552	1.28515	0.5144	0.48436	1.71E+00	2.06E-02	1.20E-06	8.80E-02	8.53E-02	8.32E-02	8.40E-02	7.59E-02	1.99E+00
5801	491350.48	3860012.03	0.38649	0.59126	0.45088	2.10976	0.38477	1.87636	0.5795	0.59126	1.85E+00	2.52E-02	1.08E-06	5.11E-02	8.30E-02	1.21E-01	9.46E-02	9.26E-02	2.14E+00
5802	491406.82	3860092.56	0.37905	0.64261	0.44431	1.16333	0.39118	0.79626	0.6334	0.64261	1.82E+00	2.73E-02	1.07E-06	2.82E-02	8.44E-02	5.15E-02	1.03E-01	1.01E-01	2.01E+00
5803	491483.36	3860121.96	0.36651	0.57403	0.43149	1.05884	0.3673	0.76542	0.5781	0.57403	1.76E+00	2.44E-02	1.03E-06	2.57E-02	7.92E-02	4.95E-02	9.44E-02	8.99E-02	1.94E+00
5804	491559.91	3860151.35	0.35788	0.5301	0.41612	0.86546	0.34254	0.73074	0.5353	0.5301	1.72E+00	2.26E-02	9.98E-07	2.10E-02	7.39E-02	4.73E-02	8.74E-02	8.30E-02	1.89E+00
5805	491711.81	3860237.76	0.36067	0.47568	0.38792	0.6256	0.32812	0.58931	0.4652	0.47568	1.73E+00	2.02E-02	9.30E-07	1.52E-02	7.08E-02	3.81E-02	7.59E-02	7.45E-02	1.88E+00
5806	491755.2	3860319.07	0.36495	0.53195	0.2864	0.4984	0.32305	0.44762	0.5113	0.53195	1.75E+00	2.26E-02	6.87E-07	1.21E-02	6.97E-02	2.90E-02	8.35E-02	8.33E-02	1.88E+00
5807	491704.71	3860366.54	0.30816	0.70929	0.26686	0.48899	0.35021	0.41102	0.7147	0.70929	1.48E+00	3.02E-02	6.40E-07	1.18E-02	7.55E-02	2.66E-02	1.17E-01	1.11E-01	1.63E+00
5808	491623.42	3860462.39	0.25513	1.16864	0.18282	0.33814	0.34732	0.34065	1.056	1.16864	1.22E+00	4.97E-02	4.38E-07	8.19E-03	7.49E-02	2.20E-02	1.72E-01	1.83E-01	1.37E+00
5809	491534.02	3860439.84	0.25769	0.5582	0.20654	0.38556	0.35352	0.36878	0.5632	0.5582	1.24E+00	2.38E-02	4.95E-07	9.34E-03	7.62E-02	2.39E-02	9.19E-02	8.74E-02	1.37E+00
5810	491313.95	3860268.17	0.28846	0.73274	0.22835	0.50619	0.35447	0.34936	0.7418	0.73274	1.38E+00	3.12E-02	5.48E-07	1.23E-02	7.65E-02	2.26E-02	1.21E-01	1.15E-01	1.53E+00

5811	491187.12	3860143.56	0.32436	0.91864	0.37887	0.69771	0.38836	0.47476	0.9612	0.91864	1.56E+00	3.91E-02	9.09E-07	1.69E-02	8.38E-02	3.07E-02	1.57E-01	1.44E-01	1.74E+00
5812	491070.43	3860075.97	0.33474	0.84921	0.41061	0.78366	0.39329	0.5685	0.8702	0.84921	1.61E+00	3.61E-02	9.85E-07	1.90E-02	8.48E-02	3.68E-02	1.42E-01	1.33E-01	1.79E+00
5813	490995.09	3860039.38	0.33561	0.80598	0.44352	0.8436	0.38964	0.58128	0.8313	0.80598	1.61E+00	3.43E-02	1.06E-06	2.04E-02	8.40E-02	3.76E-02	1.36E-01	1.26E-01	1.80E+00
5814	490919.75	3860002.8	0.33401	0.83612	0.48243	0.91804	0.38495	0.62675	0.8253	0.83612	1.60E+00	3.56E-02	1.16E-06	2.22E-02	8.30E-02	4.06E-02	1.35E-01	1.31E-01	1.79E+00
5815	490756.81	3859894.53	0.35675	1.62653	0.66	1.33618	0.39678	0.91312	1.4855	1.62653	1.71E+00	6.92E-02	1.58E-06	3.24E-02	8.56E-02	5.91E-02	2.42E-01	2.55E-01	1.95E+00
5816	490668.07	3859860.92	0.36222	1.57916	0.6576	1.22772	0.37619	0.92485	1.4755	1.57916	1.74E+00	6.72E-02	1.58E-06	2.97E-02	8.11E-02	5.98E-02	2.41E-01	2.47E-01	1.97E+00
5817	490579.34	3859827.3	0.36909	1.57995	0.68918	1.20479	0.35567	0.87101	1.5142	1.57995	1.77E+00	6.72E-02	1.65E-06	2.92E-02	7.67E-02	5.64E-02	2.47E-01	2.48E-01	2.00E+00
5818	490490.6	3859793.68	0.37452	1.47558	0.69393	1.16466	0.38385	0.79895	1.4407	1.47558	1.80E+00	6.28E-02	1.66E-06	2.82E-02	8.28E-02	5.17E-02	2.35E-01	2.31E-01	2.03E+00
5819	490401.86	3859760.07	0.3801	1.41362	0.70437	1.14149	0.46013	0.72826	1.3963	1.41362	1.82E+00	6.01E-02	1.69E-06	2.77E-02	9.92E-02	4.71E-02	2.28E-01	2.21E-01	2.06E+00
5820	490313.12	3859726.45	0.38655	1.41347	0.77765	1.12871	0.4982	0.6637	1.4024	1.41347	1.86E+00	6.01E-02	1.87E-06	2.73E-02	1.07E-01	4.29E-02	2.29E-01	2.21E-01	2.10E+00
5821	490224.39	3859692.83	0.39066	1.43477	0.83784	1.14891	0.53972	0.66704	1.3886	1.43477	1.87E+00	6.10E-02	2.01E-06	2.78E-02	1.16E-01	4.32E-02	2.27E-01	2.25E-01	2.13E+00
5822	490135.65	3859659.22	0.39182	1.4705	0.99504	1.1847	0.52576	0.65994	1.4493	1.4705	1.88E+00	6.26E-02	2.39E-06	2.87E-02	1.13E-01	4.27E-02	2.37E-01	2.30E-01	2.13E+00
5823	489918.18	3859559.23	0.40581	1.3968	2.4834	1.11527	0.44309	0.65442	1.3954	1.3968	1.95E+00	5.94E-02	5.96E-06	2.70E-02	9.56E-02	4.23E-02	2.28E-01	2.19E-01	2.18E+00
5824	489743.61	3859486	0.40098	1.08067	3.48207	1.04559	0.5921	0.62603	1.0721	1.08067	1.92E+00	4.60E-02	8.35E-06	2.53E-02	1.28E-01	4.05E-02	1.75E-01	1.69E-01	2.17E+00
5825	489660.32	3859440.27	0.39912	1.07674	7.28362	1.03074	0.66415	0.60911	1.0397	1.07674	1.92E+00	4.58E-02	1.75E-05	2.50E-02	1.43E-01	3.94E-02	1.70E-01	1.69E-01	2.17E+00
5826	489577.04	3859394.53	0.39872	1.08497	4.121	1.00708	0.70148	0.58834	1.0044	1.08497	1.91E+00	4.62E-02	9.88E-06	2.44E-02	1.51E-01	3.81E-02	1.64E-01	1.70E-01	2.17E+00
5827	489493.75	3859348.8	0.39861	1.0713	1.88118	0.97288	0.69399	0.56986	1.0106	1.0713	1.91E+00	4.56E-02	4.51E-06	2.36E-02	1.50E-01	3.69E-02	1.65E-01	1.68E-01	2.17E+00
5828	489321.28	3859240.02	0.4256	1.22218	1.16639	1.12609	0.8877	0.5446	1.1112	1.22218	2.04E+00	5.20E-02	2.80E-06	2.73E-02	1.91E-01	3.52E-02	1.81E-01	1.91E-01	2.34E+00
5829	489235.41	3859193.96	0.43948	1.2317	1.03036	2.01824	0.87438	0.5295	1.0969	1.2317	2.11E+00	5.24E-02	2.47E-06	4.89E-02	1.89E-01	3.43E-02	1.79E-01	1.93E-01	2.42E+00
5830	489149.54	3859147.89	0.45254	1.15587	0.84142	1.6861	0.87353	0.50759	1.0081	1.15587	2.17E+00	4.92E-02	2.02E-06	4.08E-02	1.88E-01	3.28E-02	1.65E-01	1.81E-01	2.47E+00
5831	489063.68	3859101.82	0.47114	1.16281	0.7144	1.24154	0.87435	0.49419	0.9602	1.16281	2.26E+00	4.95E-02	1.71E-06	3.01E-02	1.89E-01	3.20E-02	1.57E-01	1.82E-01	2.54E+00
5832	488977.81	3859055.75	0.49289	1.17332	0.63039	1.09584	0.93911	0.49097	0.8866	1.17332	2.37E+00	4.99E-02	1.51E-06	2.65E-02	2.03E-01	3.18E-02	1.45E-01	1.84E-01	2.64E+00
5833	488891.94	3859009.69	0.57165	1.13257	0.66145	1.04805	0.98624	0.49859	0.7607	1.13257	2.74E+00	4.82E-02	1.59E-06	2.54E-02	2.13E-01	3.23E-02	1.24E-01	1.77E-01	3.01E+00
5834	488808	3859060.73	0.58873	0.62216	0.54912	0.90695	0.89676	0.48383	0.5347	0.62216	2.83E+00	2.65E-02	1.32E-06	2.20E-02	1.93E-01	3.13E-02	8.73E-02	9.75E-02	3.09E+00
5835	488809.93	3859157.85	0.56903	0.4496	0.49596	0.79541	0.70506	0.50171	0.4128	0.4496	2.73E+00	1.91E-02	1.19E-06	1.93E-02	1.52E-01	3.25E-02	6.74E-02	7.04E-02	2.95E+00
5836	488811.85	3859254.96	0.5718	0.36474	0.47184	0.66302	0.67974	0.54382	0.3532	0.36474	2.74E+00	1.55E-02	1.13E-06	1.61E-02	1.47E-01	3.52E-02	5.77E-02	5.71E-02	2.96E+00
5837	488813.78	3859352.07	0.55878	0.30933	0.35615	0.61942	0.6409	0.4883	0.3058	0.30933	2.68E+00	1.32E-02	8.54E-07	1.50E-02	1.38E-01	3.16E-02	4.99E-02	4.85E-02	2.88E+00
5838	488815.71	3859449.19	0.56642	0.27137	0.35489	0.57378	0.59463	0.61539	0.2678	0.27137	2.72E+00	1.15E-02	8.51E-07	1.39E-02	1.28E-01	3.98E-02	4.37E-02	4.25E-02	2.91E+00
5839	488910.04	3859547.1	0.50894	0.25358	0.56905	0.62415	0.58782	0.4845	0.2477	0.25358	2.44E+00	1.08E-02	1.36E-06	1.51E-02	1.27E-01	3.13E-02	4.04E-02	3.97E-02	2.63E+00
5840	489002.45	3859547.91	0.46329	0.26147	0.55744	0.74402	0.58629	0.49764	0.2637	0.26147	2.22E+00	1.11E-02	1.34E-06	1.80E-02	1.26E-01	3.22E-02	4.30E-02	4.10E-02	2.41E+00
5841	489094.85	3859548.71	0.43314	0.28103	0.66876	1.04576	0.53633	0.45748	0.2839	0.28103	2.08E+00	1.20E-02	1.60E-06	2.53E-02	1.16E-01	2.96E-02	4.63E-02	4.40E-02	2.26E+00
5842	489230.05	3859601.87	0.43213	0.28592	0.89802	1.96323	0.59051	0.47032	0.2957	0.28592	2.07E+00	1.22E-02	2.15E-06	4.76E-02	1.27E-01	3.04E-02	4.83E-02	4.48E-02	2.29E+00
5843	489227.52	3859680.89	0.47283	0.25908	0.68954	1.99119	0.59723	0.42815	0.2654	0.25908	2.27E+00	1.10E-02	1.65E-06	4.82E-02	1.29E-01	2.77E-02	4.33E-02	4.06E-02	2.49E+00
5844	489133.47	3859760.29	0.45989	0.23636	0.50478	1.26561	0.52812	0.36537	0.2295	0.23636	2.21E+00	1.01E-02	1.21E-06	3.07E-02	1.14E-01	2.36E-02	3.75E-02	3.70E-02	2.39E+00
5845	489041.96	3859760.67	0.54164	0.22427	0.58052	0.79393	0.54201	0.34658	0.2168	0.22427	2.60E+00	9.54E-03	1.39E-06	1.92E-02	1.17E-01	2.24E-02	3.54E-02	3.51E-02	2.77E+00
5846	488950.45	3859761.05	0.56384	0.21543	0.66518	0.63302	0.51351	0.37095	0.1944	0.21543	2.71E+00	9.17E-03	1.60E-06	1.53E-02	1.11E-01	2.40E-02	3.17E-02	3.37E-02	2.86E+00
5847	488858.94	3859761.43	0.57732	0.20897	0.52941	0.54899	0.44875	0.39036	0.1858	0.20897	2.77E+00	8.89E-03	1.27E-06	1.33E-02	9.68E-02	2.53E-02	3.03E-02	3.27E-02	2.91E+00
5848	488767.43	3859761.82	0.57668	0.19922	0.49341	0.47983	0.4383	0.45384	0.1845	0.19922	2.77E+00	8.48E-03	1.18E-06	1.16E-02	9.45E-02	2.94E-02	3.01E-02	3.12E-02	2.91E+00
5849	488675.92	3859762.2	0.56285	0.18882	0.41963	0.44658	0.36222	0.49629	0.1846	0.18882	2.70E+00	8.03E-03	1.01E-06	1.08E-02	7.81E-02	3.21E-02	3.01E-02	2.96E-02	2.83E+00
5850	488584.41	3859762.58	0.54712	0.17789	0.40575	0.41771	0.24262	0.5825	0.1806	0.17789	2.63E+00	7.57E-03	9.73E-07	1.01E-02	5.23E-02	3.77E-02	2.95E-02	2.79E-02	2.73E+00
5851	488492.9	3859762.96	0.53594	0.16753	0.35036	0.38451	0.20963	0.71202	0.1727	0.16753	2.57E+00	7.13E-03	8.40E-07	9.32E-03	4.52E-02	4.61E-02	2.82E-02	2.62E-02	2.68E+00
5852	488402.76	3859830.95	0.55343	0.16703	0.31571	0.36053	0.18021	1.2272	0.1653	0.16703	2.66E+00	7.11E-03	7.57E-07	8.73E-03	3.89E-02	7.94E-02	2.70E-02	2.62E-02	2.79E+00
5853	488404.14	3859898.55	0.5306	0.16595	0.36878	0.35333	0.18155	1.2203	0.1628	0.16595	2.55E+00	7.06E-03	8.84E-07	8.56E-03	3.92E-02	7.90E-02	2.66E-02	2.60E-02	2.68E+00
5854	488505.18	3859964.96	0.48828	0.18343	0.37456	0.35824	0.14982	0.68679	0.164	0.18343	2.34E+00	7.80E-03	8.98E-07	8.68E-03	3.23E-02	4.44E-02	2.68E-02	2.87E-02	2.43E+00
5855	488604.84	3859963.76	0.47331	0.17176	0.34907	0.40201	0.21377	0.51687	0.1714	0.17176	2.27E+00	7.31E-03	8.37E-07	9.74E-03	4.61E-02	3.34E-02	2.80E-02	2.69E-02	2.37E+00
5856	488704.51	3859962.56	0.46736	0.17858	0.30263	0.43672	0.26016	0.4491	0.1784	0.17858	2.24E+00	7.60E-03	7.26E-07	1.06E-02	5.61E-02	2.91E-02	2.91E-02	2.80E-02	2.35E+00
5857	488804.18	3859961.37	0.46705	0.17556	0.34165	0.49056	0.37208	0.39675	0.1773	0.17556	2.24E+00	7.47E-03	8.19E-07	1.19E-02	8.02E-02	2.57E-02	2.89E-02	2.75E-02	2.37E+00
5858	488903.85	3859960.17	0.47221	0.18089	0.33798	0.56415	0.3769	0.37762	0.1807	0.18089	2.27E+00	7.70E-03	8.11E-07	1.37E-02	8.13E-02	2.44E-02	2.95E-02	2.83E-02	2.39E+00
5859	489003.52	3859958.97	0.47041	0.19092	0.42674	0.68704	0.45146	0.35492	0.1796	0.19092	2.26E+00	8.12E-03	1.02E-06	1.66E-02	9.74E-02	2.30E-02	2.93E-02	2.99E-02	2.40E+00
5860	489103.18	3859957.77	0.46126	0.1985	0.39687	1.04023	0.49537	0.33495	0.1856	0.1985	2.21E+00	8.45E-03	9.52E-07	2.52E-02	1.07E-01	2.17E-02	3.03E-02	3.11E-02	2.37E+00
5861	489201.48	3860046.59	0.47547	0.19349	0.44939	2.04343	0.48601	0.31762	0.1882	0.19349	2.28E+00	8.23E-03	1.08E-06	4.95E-02	1.05E-01	2.06E-02	3.07E-02	3.03E-02	2.47E+00
5862	489200.11	3860136.61	0.52385	0.19568	0.50425	1.93905	0.46494	0.31113	0.1966	0.19568	2.51E+00	8.33E-03	1.21E-06	4.70E-02	1.00E-01	2.01E-02	3.21E-02	3.07E-02	2.69E+00
5863	489198.74	3860226.63	0.5234	0.2023	0.53305	2.60038	0.43782	0.30325	0.2069	0.2023	2.51E+00	8.61E-03	1.28E-06	6.30E-02	9.44E-02	1.96E-02	3.38E-02	3.17E-02	2.70E+00
5864	489197.38	3860316.66	0.52457	0.18499	0.47711	2.53281	0.40535	0.29792	0.1864	0.18499	2.52E+00	7.87E-03	1.14E-06	6.14E-02	8.74E-02	1.93E-02	3.04E-02	2.90E-02	2.69E+00
5865	489196.01	3860406.68	0.52468	0.16074	0.52736	2.45495	0.319	0.30715	0.1605	0.16074	2.52E+00	6.84E-03	1.26E-06	5.95E-02	6.88E-02	1.99E-02	2.62E-02	2.52E-02	2.67E+00
5866	489194.64	3860496.7	0.52067	0.16697	0.39848	2.43169	0.29049	0.31722	0.1668	0.16697	2.50E+00	7.10E-03	9.56E-07	5.89E-02	6.27E-02	2.05E-02	2.72E-02	2.62E-02	2.65E+00
5867	489193.27	3860586.72	0.46519	0.17424	0.36163	2.40104	0.28875	0.28219	0.1603	0.17424	2.23E+00	7.41E-03	8.67E-07	5.82E-02	6.23E-02	1.83E-02	2.62E-02	2.73E-02	2.38E+00

5868	489092.02	3860678.13	0.38681	0.12766	0.36184	0.91915	0.26243	0.29731	0.1294	0.12766	1.86E+00	5.43E-03	8.68E-07	2.23E-02	5.66E-02	1.92E-02	2.11E-02	2.00E-02	1.96E+00
5869	488992.13	3860679.53	0.44833	0.12256	0.34191	0.60921	0.17797	0.3207	0.127	0.12256	2.15E+00	5.21E-03	8.20E-07	1.48E-02	3.84E-02	2.08E-02	2.07E-02	1.92E-02	2.23E+00
5870	488892.24	3860680.92	0.44625	0.12021	0.28681	0.48395	0.12311	0.3512	0.125	0.12021	2.14E+00	5.11E-03	6.88E-07	1.17E-02	2.66E-02	2.27E-02	2.04E-02	1.88E-02	2.21E+00
5871	488792.36	3860682.31	0.43234	0.11782	0.25065	0.40968	0.11935	0.39667	0.123	0.11782	2.07E+00	5.01E-03	6.01E-07	9.93E-03	2.57E-02	2.57E-02	2.01E-02	1.85E-02	2.14E+00
5872	488692.48	3860683.7	0.41338	0.11581	0.21971	0.36126	0.08074	0.46533	0.1213	0.11581	1.98E+00	4.93E-03	5.27E-07	8.75E-03	1.74E-02	3.01E-02	1.98E-02	1.81E-02	2.05E+00
5873	488592.59	3860685.09	0.39586	0.11317	0.23994	0.32124	0.08751	0.57542	0.1187	0.11317	1.90E+00	4.82E-03	5.75E-07	7.78E-03	1.89E-02	3.72E-02	1.94E-02	1.77E-02	1.97E+00
5874	488492.71	3860686.49	0.40484	0.11176	0.20052	0.29681	0.14208	0.82632	0.1166	0.11176	1.94E+00	4.76E-03	4.81E-07	7.19E-03	3.06E-02	5.35E-02	1.90E-02	1.75E-02	2.04E+00
5875	488299.07	3860762.18	0.38511	0.10078	0.14347	0.2469	0.19024	0.58634	0.1018	0.10078	1.85E+00	4.29E-03	3.44E-07	5.98E-03	4.10E-02	3.79E-02	1.66E-02	1.58E-02	1.94E+00
5876	488205.32	3860764.09	0.37849	0.09599	0.1793	0.23705	0.23703	0.62002	0.0953	0.09599	1.82E+00	4.08E-03	4.30E-07	5.74E-03	5.11E-02	4.01E-02	1.56E-02	1.50E-02	1.92E+00
5877	488111.56	3860766	0.36557	0.09476	0.2173	0.22792	0.21506	0.67779	0.0912	0.09476	1.75E+00	4.03E-03	5.21E-07	5.52E-03	4.64E-02	4.39E-02	1.49E-02	1.48E-02	1.85E+00
5878	488017.81	3860767.91	0.34547	0.09253	0.16979	0.21905	0.25204	0.69038	0.0908	0.09253	1.66E+00	3.94E-03	4.07E-07	5.31E-03	5.44E-02	4.47E-02	1.48E-02	1.45E-02	1.77E+00
5879	487924.06	3860769.81	0.34553	0.09021	0.16332	0.20454	0.24417	0.58314	0.0903	0.09021	1.66E+00	3.84E-03	3.92E-07	4.96E-03	5.27E-02	3.77E-02	1.47E-02	1.41E-02	1.76E+00
5880	487830.31	3860771.72	0.31459	0.08988	0.17168	0.19035	0.27266	0.5622	0.0899	0.08988	1.51E+00	3.82E-03	4.12E-07	4.61E-03	5.88E-02	3.64E-02	1.47E-02	1.41E-02	1.61E+00
5881	487736.55	3860773.63	0.28406	0.08984	0.16213	0.1896	0.24952	0.55575	0.0876	0.08984	1.36E+00	3.82E-03	3.89E-07	4.59E-03	5.38E-02	3.60E-02	1.43E-02	1.41E-02	1.46E+00
5882	487642.8	3860775.54	0.26323	0.09248	0.13745	0.19299	0.23322	0.49111	0.0845	0.09248	1.26E+00	3.93E-03	3.30E-07	4.68E-03	5.03E-02	3.18E-02	1.38E-02	1.45E-02	1.35E+00
5883	487549.48	3860684.71	0.29836	0.0956	0.1627	0.20497	0.23502	0.50037	0.081	0.0956	1.43E+00	4.07E-03	3.90E-07	4.97E-03	5.07E-02	3.24E-02	1.32E-02	1.50E-02	1.52E+00
5884	487549.91	3860591.97	0.33482	0.09913	0.18745	0.21039	0.23522	0.59187	0.0854	0.09913	1.61E+00	4.22E-03	4.50E-07	5.10E-03	5.07E-02	3.83E-02	1.39E-02	1.55E-02	1.70E+00
5885	487550.34	3860499.23	0.37697	0.10144	0.18876	0.21976	0.23607	0.7209	0.0879	0.10144	1.81E+00	4.32E-03	4.53E-07	5.32E-03	5.09E-02	4.66E-02	1.44E-02	1.59E-02	1.91E+00
5886	487550.76	3860406.49	0.45549	0.10414	0.18999	0.22787	0.23703	0.70697	0.092	0.10414	2.19E+00	4.43E-03	4.56E-07	5.52E-03	5.11E-02	4.57E-02	1.50E-02	1.63E-02	2.29E+00
5887	487551.19	3860313.75	0.52685	0.11299	0.2029	0.22887	0.23738	0.86694	0.108	0.11299	2.53E+00	4.81E-03	4.87E-07	5.54E-03	5.12E-02	5.61E-02	1.76E-02	1.77E-02	2.65E+00
5888	487551.62	3860221.01	0.54445	0.14359	0.20049	0.24182	0.23781	0.88817	0.1155	0.14359	2.61E+00	6.11E-03	4.81E-07	5.86E-03	5.13E-02	5.75E-02	1.88E-02	2.25E-02	2.73E+00
5889	487552.05	3860128.27	0.55198	0.12085	0.20412	0.24996	0.23893	0.88541	0.1179	0.12085	2.65E+00	5.14E-03	4.90E-07	6.06E-03	5.15E-02	5.73E-02	1.92E-02	1.89E-02	2.77E+00
5890	487552.48	3860035.53	0.5543	0.12371	0.19082	0.25601	0.23956	0.93889	0.1126	0.12371	2.66E+00	5.26E-03	4.58E-07	6.20E-03	5.17E-02	6.07E-02	1.84E-02	1.94E-02	2.78E+00
5891	487552.91	3859942.79	0.5534	0.1337	0.20635	0.25715	0.24496	0.92497	0.1224	0.1337	2.66E+00	5.69E-03	4.95E-07	6.23E-03	5.28E-02	5.98E-02	2.00E-02	2.09E-02	2.78E+00
5892	487553.33	3859850.05	0.54946	0.15319	0.24139	0.26036	0.26804	0.89039	0.1268	0.15319	2.64E+00	6.52E-03	5.79E-07	6.31E-03	5.78E-02	5.76E-02	2.07E-02	2.40E-02	2.76E+00
5893	487553.76	3859757.31	0.53536	0.16763	0.28059	0.25546	0.31357	0.86893	0.1393	0.16763	2.57E+00	7.13E-03	6.73E-07	6.19E-03	6.76E-02	5.62E-02	2.27E-02	2.63E-02	2.70E+00
5894	487554.19	3859664.57	0.55593	0.15792	0.22194	0.2698	0.32196	0.89367	0.1539	0.15792	2.67E+00	6.72E-03	5.32E-07	6.54E-03	6.94E-02	5.78E-02	2.51E-02	2.47E-02	2.81E+00
5895	487460.2	3859571.05	0.52101	0.1441	0.20508	0.26061	0.46077	0.86221	0.1372	0.1441	2.50E+00	6.13E-03	4.92E-07	6.31E-03	9.94E-02	5.58E-02	2.24E-02	2.26E-02	2.67E+00
5896	487365.78	3859570.27	0.48222	0.14671	0.21073	0.24836	0.52057	0.79327	0.1408	0.14671	2.31E+00	6.24E-03	5.05E-07	6.02E-03	1.12E-01	5.13E-02	2.30E-02	2.30E-02	2.49E+00
5897	487271.36	3859569.48	0.46411	0.15184	0.26998	0.24088	0.50999	0.81703	0.1433	0.15184	2.23E+00	6.46E-03	6.48E-07	5.84E-03	1.10E-01	5.29E-02	2.34E-02	2.38E-02	2.40E+00
5898	487176.94	3859568.7	0.44475	0.15292	0.238	0.24106	0.50165	0.73905	0.1464	0.15292	2.13E+00	6.51E-03	5.71E-07	5.84E-03	1.08E-01	4.78E-02	2.39E-02	2.40E-02	2.30E+00
5899	487082.51	3859567.92	0.42514	0.15674	0.19422	0.23818	0.47263	0.75779	0.1457	0.15674	2.04E+00	6.67E-03	4.66E-07	5.77E-03	1.02E-01	4.90E-02	2.38E-02	2.46E-02	2.20E+00
5900	486988.09	3859567.14	0.40387	0.16053	0.24824	0.22505	0.45628	0.70387	0.1417	0.16053	1.94E+00	6.83E-03	5.95E-07	5.45E-03	9.84E-02	4.55E-02	2.31E-02	2.51E-02	2.09E+00
5901	486893.67	3859566.36	0.3803	0.15469	0.17896	0.20635	0.52363	0.61634	0.138	0.15469	1.83E+00	6.58E-03	4.29E-07	5.00E-03	1.13E-01	3.99E-02	2.25E-02	2.42E-02	1.99E+00
5902	486799.25	3859565.58	0.35316	0.14243	0.22936	0.19317	0.55365	0.54762	0.1344	0.14243	1.69E+00	6.06E-03	5.50E-07	4.68E-03	1.19E-01	3.54E-02	2.19E-02	2.23E-02	1.86E+00
5903	486704.83	3859564.79	0.34083	0.1337	0.27791	0.18726	0.56918	0.50193	0.131	0.1337	1.64E+00	5.69E-03	6.67E-07	4.54E-03	1.23E-01	3.25E-02	2.14E-02	2.09E-02	1.80E+00
5904	486610.41	3859564.01	0.32963	0.13051	0.29643	0.18051	0.64683	0.46344	0.1278	0.13051	1.58E+00	5.55E-03	7.11E-07	4.37E-03	1.40E-01	3.00E-02	2.09E-02	2.04E-02	1.76E+00
5905	486515.99	3859563.23	0.31759	0.13022	0.28551	0.17675	0.64937	0.43287	0.1247	0.13022	1.52E+00	5.54E-03	6.85E-07	4.28E-03	1.40E-01	2.80E-02	2.04E-02	2.04E-02	1.70E+00
5906	486421.57	3859562.45	0.30629	0.12955	0.35585	0.17162	0.6015	0.40547	0.1218	0.12955	1.47E+00	5.51E-03	8.53E-07	4.16E-03	1.30E-01	2.62E-02	1.99E-02	2.03E-02	1.64E+00
5907	486327.14	3859561.67	0.29647	0.12581	0.32962	0.17291	0.59796	0.38108	0.1191	0.12581	1.42E+00	5.35E-03	7.91E-07	4.19E-03	1.29E-01	2.47E-02	1.94E-02	1.97E-02	1.59E+00
5908	486232.72	3859560.89	0.287	0.119	0.23222	0.18005	0.54319	0.35504	0.1164	0.119	1.38E+00	5.06E-03	5.57E-07	4.36E-03	1.17E-01	2.30E-02	1.90E-02	1.86E-02	1.53E+00
5909	486138.3	3859560.1	0.27659	0.11646	0.21244	0.18477	0.48608	0.34081	0.1137	0.11646	1.33E+00	4.96E-03	5.10E-07	4.48E-03	1.05E-01	2.21E-02	1.86E-02	1.82E-02	1.46E+00
5910	486043.88	3859559.32	0.26658	0.11403	0.16917	0.18868	0.51672	0.3237	0.1087	0.11403	1.28E+00	4.85E-03	4.06E-07	4.57E-03	1.11E-01	2.09E-02	1.77E-02	1.79E-02	1.42E+00
5911	485949.35	3859463.54	0.27837	0.11849	0.18884	0.20829	0.49485	0.32483	0.1156	0.11849	1.34E+00	5.04E-03	4.53E-07	5.05E-03	1.07E-01	2.10E-02	1.89E-02	1.86E-02	1.47E+00
5912	485949.24	3859368.55	0.29905	0.12487	0.21241	0.20565	0.50595	0.36622	0.1214	0.12487	1.44E+00	5.31E-03	5.09E-07	4.98E-03	1.09E-01	2.37E-02	1.98E-02	1.96E-02	1.58E+00
5913	485949.12	3859273.55	0.33088	0.13083	0.2706	0.20781	0.49567	0.3891	0.1265	0.13083	1.59E+00	5.57E-03	6.49E-07	5.03E-03	1.07E-01	2.52E-02	2.06E-02	2.05E-02	1.73E+00
5914	485949.01	3859178.56	0.33478	0.13019	0.28444	0.22854	0.48383	0.41678	0.1161	0.13019	1.61E+00	5.54E-03	6.82E-07	5.54E-03	1.04E-01	2.70E-02	1.90E-02	2.04E-02	1.75E+00
5915	485948.9	3859083.56	0.34157	0.12777	0.25091	0.23059	0.57784	0.42416	0.1078	0.12777	1.64E+00	5.44E-03	6.02E-07	5.59E-03	1.25E-01	2.74E-02	1.76E-02	2.00E-02	1.80E+00
5916	485948.79	3858988.56	0.36179	0.12821	0.27838	0.21819	0.71171	0.45641	0.1055	0.12821	1.74E+00	5.46E-03	6.68E-07	5.29E-03	1.53E-01	2.95E-02	1.72E-02	2.01E-02	1.93E+00
5917	485948.67	3858893.57	0.37254	0.13244	0.27542	0.21722	0.83183	0.4658	0.1032	0.13244	1.79E+00	5.64E-03	6.61E-07	5.26E-03	1.79E-01	3.01E-02	1.68E-02	2.07E-02	2.00E+00
5918	485948.56	3858798.57	0.38225	0.13905	0.29492	0.22028	0.96213	0.48643	0.1082	0.13905	1.83E+00	5.92E-03	7.07E-07	5.34E-03	2.08E-01	3.15E-02	1.77E-02	2.18E-02	2.08E+00
5919	485948.45	3858703.58	0.38927	0.14494	0.3138	0.23119	0.99103	0.5162	0.1156	0.14494	1.87E+00	6.17E-03	7.53E-07	5.60E-03	2.14E-01	3.34E-02	1.89E-02	2.27E-02	2.12E+00
5920	485948.34	3858608.58	0.39873	0.15905	0.4331	0.23147	0.98833	0.56653	0.1193	0.15905	1.91E+00	6.77E-03	1.04E-06	5.61E-03	2.13E-01	3.67E-02	1.95E-02	2.49E-02	2.17E+00
5921	485948.22	3858513.59	0.40773	0.16339	0.35951	0.2089	1.03432	0.61744	0.1199	0.16339	1.96E+00	6.95E-03	8.62E-07	5.06E-03	2.23E-01	3.99E-02	1.96E-02	2.56E-02	2.23E+00
5922	485948.11	3858418.59	0.41488	0.16989	0.3731	0.20103	0.97098	0.67524	0.1208	0.16989	1.99E+00	7.23E-03	8.95E-07	4.87E-03	2.09E-01	4.37E-02	1.97E-02	2.66E-02	2.25E+00
5923	485948	3858323.59	0.43069	0.17659	0.39778	0.2028	1.00155	0.69834	0.1236	0.17659	2.07E+00	7.51E-03	9.54E-07	4.91E-03	2.16E-01	4.52E-02	2.02E-02	2.77E-02	2.33E+00
5924	485947.89	3858228.6	0.4565	0.18359	0.26088	0.19499	0.96861	0.75104	0.1254	0.18359	2.19E+00	7.81E-03	6.26E-07	4.72E-03	2.09E-01	4.86E-02	2.05E-02	2.88E-02	2.45E+00

5925	485947.77	3858133.6	0.48527	0.19256	0.23517	0.19817	1.09018	0.81541	0.1254	0.19256	2.33E+00	8.19E-03	5.64E-07	4.80E-03	2.35E-01	5.28E-02	2.05E-02	3.02E-02	2.62E+00
5926	485947.66	3858038.61	0.52324	0.20915	0.19822	0.19407	1.14245	0.91582	0.1257	0.20915	2.51E+00	8.90E-03	4.75E-07	4.70E-03	2.46E-01	5.93E-02	2.05E-02	3.28E-02	2.82E+00
5927	485854.54	3857943.35	0.56068	0.21152	0.20186	0.18139	1.30759	0.71276	0.1238	0.21152	2.69E+00	9.00E-03	4.84E-07	4.39E-03	2.82E-01	4.61E-02	2.02E-02	3.31E-02	3.02E+00
5928	485761.52	3857943.09	0.50356	0.20209	0.23798	0.17903	1.33349	0.63314	0.121	0.20209	2.42E+00	8.60E-03	5.71E-07	4.34E-03	2.88E-01	4.10E-02	1.97E-02	3.17E-02	2.75E+00
5929	485668.51	3857942.83	0.45648	0.19463	0.21698	0.17817	1.34212	0.57533	0.1155	0.19463	2.19E+00	8.28E-03	5.20E-07	4.32E-03	2.89E-01	3.72E-02	1.89E-02	3.05E-02	2.52E+00
5930	485575.5	3857942.56	0.41665	0.19002	0.19202	0.17682	1.27921	0.52909	0.1143	0.19002	2.00E+00	8.09E-03	4.61E-07	4.28E-03	2.76E-01	3.42E-02	1.87E-02	2.98E-02	2.31E+00
5931	485482.48	3857942.3	0.39484	0.18499	0.17537	0.17624	1.21176	0.49323	0.1135	0.18499	1.89E+00	7.87E-03	4.21E-07	4.27E-03	2.61E-01	3.19E-02	1.85E-02	2.90E-02	2.19E+00
5932	485389.47	3857942.04	0.3814	0.17473	0.16032	0.17561	1.22884	0.46315	0.1129	0.17473	1.83E+00	7.43E-03	3.85E-07	4.25E-03	2.65E-01	3.00E-02	1.84E-02	2.74E-02	2.13E+00
5933	485296.46	3857941.78	0.37245	0.16919	0.14776	0.17498	1.24643	0.4378	0.1108	0.16919	1.79E+00	7.20E-03	3.54E-07	4.24E-03	2.69E-01	2.83E-02	1.81E-02	2.65E-02	2.09E+00
5934	485203.45	3857941.52	0.35542	0.16453	0.14782	0.17756	1.26725	0.41628	0.1086	0.16453	1.71E+00	7.00E-03	3.55E-07	4.30E-03	2.73E-01	2.69E-02	1.77E-02	2.58E-02	2.01E+00
5935	485110.43	3857941.26	0.33843	0.15165	0.12728	0.18111	1.25656	0.3974	0.1062	0.15165	1.62E+00	6.45E-03	3.05E-07	4.39E-03	2.71E-01	2.57E-02	1.73E-02	2.38E-02	1.93E+00
5936	485017.42	3857940.99	0.32348	0.14695	0.12991	0.18442	1.14234	0.3808	0.1038	0.14695	1.55E+00	6.25E-03	3.12E-07	4.47E-03	2.46E-01	2.46E-02	1.69E-02	2.30E-02	1.83E+00
5937	484924.41	3857940.73	0.31065	0.14288	0.13277	0.18793	1.02554	0.36606	0.1033	0.14288	1.49E+00	6.08E-03	3.18E-07	4.55E-03	2.21E-01	2.37E-02	1.69E-02	2.24E-02	1.74E+00
5938	484831.39	3857940.47	0.30014	0.13972	0.16251	0.18858	0.91126	0.35302	0.1035	0.13972	1.44E+00	5.94E-03	3.90E-07	4.57E-03	1.97E-01	2.28E-02	1.69E-02	2.19E-02	1.67E+00
5939	484738.12	3857859.3	0.29931	0.14074	0.16483	0.18175	0.86874	0.35493	0.1003	0.14074	1.44E+00	5.99E-03	3.95E-07	4.40E-03	1.87E-01	2.30E-02	1.64E-02	2.20E-02	1.65E+00
5940	484737.85	3857778.4	0.31213	0.14519	0.22504	0.17047	0.93913	0.35833	0.0995	0.14519	1.50E+00	6.18E-03	5.40E-07	4.13E-03	2.03E-01	2.32E-02	1.62E-02	2.27E-02	1.73E+00
5941	484737.59	3857697.49	0.32941	0.14989	0.2353	0.16263	1.0395	0.3548	0.1005	0.14989	1.58E+00	6.38E-03	5.64E-07	3.94E-03	2.24E-01	2.30E-02	1.64E-02	2.35E-02	1.83E+00
5942	484737.32	3857616.59	0.35285	0.15476	0.25592	0.15931	0.99248	0.33794	0.1007	0.15476	1.69E+00	6.58E-03	6.14E-07	3.86E-03	2.14E-01	2.19E-02	1.64E-02	2.42E-02	1.93E+00
5943	484645.53	3857535.18	0.35306	0.15651	0.30442	0.15639	1.04385	0.31405	0.0997	0.15651	1.69E+00	6.66E-03	7.30E-07	3.79E-03	2.25E-01	2.03E-02	1.63E-02	2.45E-02	1.94E+00
5944	484553.99	3857534.67	0.34333	0.153	0.36099	0.15471	0.99704	0.31069	0.098	0.153	1.65E+00	6.51E-03	8.66E-07	3.75E-03	2.15E-01	2.01E-02	1.60E-02	2.40E-02	1.89E+00
5945	484462.46	3857534.17	0.33432	0.15058	0.33889	0.15564	0.91119	0.30707	0.0966	0.15058	1.60E+00	6.41E-03	8.13E-07	3.77E-03	1.97E-01	1.99E-02	1.58E-02	2.36E-02	1.82E+00
5946	484370.93	3857533.66	0.32589	0.14636	0.31145	0.15554	0.82803	0.3031	0.0955	0.14636	1.56E+00	6.23E-03	7.47E-07	3.77E-03	1.79E-01	1.96E-02	1.56E-02	2.29E-02	1.76E+00
5947	484279.4	3857533.16	0.31836	0.14253	0.27797	0.15571	0.80284	0.29884	0.0958	0.14253	1.53E+00	6.06E-03	6.67E-07	3.77E-03	1.73E-01	1.93E-02	1.56E-02	2.23E-02	1.72E+00
5948	484187.86	3857532.65	0.31205	0.13892	0.26453	0.15584	0.79513	0.29441	0.0953	0.13892	1.50E+00	5.91E-03	6.34E-07	3.78E-03	1.71E-01	1.90E-02	1.55E-02	2.18E-02	1.69E+00
5949	484096.33	3857532.15	0.31388	0.13655	0.259	0.15633	0.78898	0.28969	0.0949	0.13655	1.51E+00	5.81E-03	6.21E-07	3.79E-03	1.70E-01	1.87E-02	1.55E-02	2.14E-02	1.70E+00
5950	484004.8	3857531.64	0.29926	0.13394	0.33612	0.15641	0.77995	0.28482	0.0944	0.13394	1.44E+00	5.70E-03	8.06E-07	3.79E-03	1.68E-01	1.84E-02	1.54E-02	2.10E-02	1.63E+00
5951	483913.27	3857531.14	0.29562	0.13113	0.32801	0.156	0.76822	0.28056	0.0939	0.13113	1.42E+00	5.58E-03	7.87E-07	3.78E-03	1.66E-01	1.82E-02	1.53E-02	2.05E-02	1.61E+00
5952	483821.73	3857530.63	0.29995	0.12864	0.38842	0.15579	0.75886	0.27743	0.0935	0.12864	1.44E+00	5.47E-03	9.32E-07	3.77E-03	1.64E-01	1.80E-02	1.53E-02	2.02E-02	1.63E+00
5953	483729.61	3857450.11	0.29237	0.12936	0.40417	0.15368	0.59241	0.27574	0.0913	0.12936	1.40E+00	5.50E-03	9.69E-07	3.72E-03	1.28E-01	1.78E-02	1.49E-02	2.03E-02	1.55E+00
5954	483729.03	3857370.08	0.30657	0.13264	0.33881	0.15181	0.46172	0.26671	0.09	0.13264	1.47E+00	5.64E-03	8.13E-07	3.68E-03	9.96E-02	1.73E-02	1.47E-02	2.08E-02	1.59E+00
5955	483728.44	3857290.06	0.34898	0.13523	0.35171	0.14957	0.46853	0.25771	0.0892	0.13523	1.67E+00	5.75E-03	8.44E-07	3.62E-03	1.01E-01	1.67E-02	1.46E-02	2.12E-02	1.80E+00
5956	483727.86	3857210.03	0.41772	0.13738	0.32305	0.14997	0.44895	0.24805	0.0888	0.13738	2.00E+00	5.85E-03	7.75E-07	3.63E-03	9.68E-02	1.60E-02	1.45E-02	2.15E-02	2.12E+00
5957	483641.15	3857129.07	0.44558	0.13763	0.31185	0.15108	0.3705	0.24764	0.0885	0.13763	2.14E+00	5.86E-03	7.48E-07	3.66E-03	7.99E-02	1.60E-02	1.44E-02	2.16E-02	2.24E+00
5958	483555.03	3857128.14	0.41922	0.13584	0.25169	0.14855	0.35388	0.24072	0.0873	0.13584	2.01E+00	5.78E-03	6.04E-07	3.60E-03	7.63E-02	1.56E-02	1.42E-02	2.13E-02	2.11E+00
5959	483468.91	3857127.2	0.39949	0.13367	0.26227	0.14564	0.33576	0.22998	0.0863	0.13367	1.92E+00	5.69E-03	6.29E-07	3.53E-03	7.24E-02	1.49E-02	1.41E-02	2.09E-02	2.01E+00
5960	483382.78	3857126.26	0.38485	0.1322	0.26751	0.14526	0.32218	0.23249	0.0857	0.1322	1.85E+00	5.62E-03	6.42E-07	3.52E-03	6.95E-02	1.50E-02	1.40E-02	2.07E-02	1.93E+00
5961	483296.66	3857125.32	0.37183	0.12495	0.27481	0.14452	0.30779	0.22788	0.0851	0.12495	1.78E+00	5.32E-03	6.59E-07	3.50E-03	6.64E-02	1.47E-02	1.39E-02	1.96E-02	1.87E+00
5962	483210.54	3857124.39	0.35852	0.12226	0.28004	0.14325	0.29355	0.22404	0.0845	0.12226	1.72E+00	5.20E-03	6.72E-07	3.47E-03	6.33E-02	1.45E-02	1.38E-02	1.92E-02	1.80E+00
5963	483123.4	3857030.96	0.35264	0.12263	0.29951	0.14018	0.2368	0.21907	0.0834	0.12263	1.69E+00	5.22E-03	7.18E-07	3.40E-03	5.11E-02	1.42E-02	1.36E-02	1.92E-02	1.76E+00
5964	483122.38	3856938.46	0.38221	0.12634	0.34107	0.14048	0.24437	0.22053	0.0835	0.12634	1.83E+00	5.38E-03	8.18E-07	3.40E-03	5.27E-02	1.43E-02	1.36E-02	1.98E-02	1.90E+00
5965	483121.35	3856845.97	0.40486	0.13019	0.3538	0.14182	0.25805	0.22185	0.0851	0.13019	1.94E+00	5.54E-03	8.49E-07	3.44E-03	5.57E-02	1.44E-02	1.39E-02	2.04E-02	2.02E+00
5966	483120.33	3856753.47	0.4131	0.13276	0.38518	0.14419	0.23243	0.22271	0.0858	0.13276	1.98E+00	5.65E-03	9.24E-07	3.49E-03	5.01E-02	1.44E-02	1.40E-02	2.08E-02	2.05E+00
5967	483119.31	3856660.98	0.42169	0.13273	0.41415	0.14801	0.2271	0.22066	0.0854	0.13273	2.02E+00	5.65E-03	9.93E-07	3.59E-03	4.90E-02	1.43E-02	1.39E-02	2.08E-02	2.09E+00
5968	483118.29	3856568.49	0.42752	0.13209	0.43853	0.15301	0.32755	0.2145	0.085	0.13209	2.05E+00	5.62E-03	1.05E-06	3.71E-03	7.06E-02	1.39E-02	1.39E-02	2.07E-02	2.14E+00
5969	483117.26	3856475.99	0.43947	0.13501	0.42984	0.15794	0.45114	0.21147	0.0855	0.13501	2.11E+00	5.74E-03	1.03E-06	3.83E-03	9.73E-02	1.37E-02	1.40E-02	2.11E-02	2.22E+00
5970	483116.24	3856383.5	0.46565	0.1385	0.49376	0.16123	0.45919	0.22283	0.0869	0.1385	2.23E+00	5.89E-03	1.18E-06	3.91E-03	9.90E-02	1.44E-02	1.42E-02	2.17E-02	2.35E+00
5971	483115.22	3856291.01	0.51072	0.14311	0.5079	0.16269	0.57689	0.23958	0.0888	0.14311	2.45E+00	6.09E-03	1.22E-06	3.94E-03	1.24E-01	1.55E-02	1.45E-02	2.24E-02	2.59E+00
5972	483114.2	3856198.51	0.57341	0.14831	0.26301	0.15344	0.5112	0.26108	0.0903	0.14831	2.75E+00	6.31E-03	6.31E-07	3.72E-03	1.10E-01	1.69E-02	1.47E-02	2.32E-02	2.88E+00
5973	483113.17	3856106.02	0.63711	0.15486	0.21097	0.14591	0.37355	0.27367	0.0927	0.15486	3.06E+00	6.59E-03	5.06E-07	3.53E-03	8.06E-02	1.77E-02	1.51E-02	2.43E-02	3.16E+00
5974	483112.15	3856013.52	0.65862	0.16146	0.26751	0.14982	0.43073	0.28276	0.0944	0.16146	3.16E+00	6.87E-03	6.42E-07	3.63E-03	9.29E-02	1.83E-02	1.54E-02	2.53E-02	3.27E+00
5975	483029.25	3855920.47	0.62042	0.16776	0.32453	0.15356	0.4557	0.28151	0.0975	0.16776	2.98E+00	7.14E-03	7.78E-07	3.72E-03	9.83E-02	1.82E-02	1.59E-02	2.63E-02	3.09E+00
5976	482947.37	3855919.91	0.53364	0.15339	0.34496	0.15194	0.44573	0.26806	0.0942	0.15339	2.56E+00	6.53E-03	8.27E-07	3.68E-03	9.61E-02	1.73E-02	1.54E-02	2.40E-02	2.68E+00
5977	482865.49	3855919.36	0.45907	0.14525	0.5276	0.15006	0.43359	0.25937	0.0932	0.14525	2.20E+00	6.18E-03	1.27E-06	3.64E-03	9.35E-02	1.68E-02	1.52E-02	2.28E-02	2.32E+00
5978	482783.61	3855918.8	0.43081	0.13984	0.55728	0.14846	0.42122	0.24953	0.0926	0.13984	2.07E+00	5.95E-03	1.34E-06	3.60E-03	9.08E-02	1.61E-02	1.51E-02	2.19E-02	2.18E+00
5979	482700.33	3855818.39	0.45752	0.14027	0.58846	0.14963	0.4452	0.25036	0.0934	0.14027	2.20E+00	5.97E-03	1.41E-06	3.63E-03	9.60E-02	1.62E-02	1.52E-02	2.20E-02	2.31E+00
5980	482698.92	3855718.54	0.55643	0.15604	0.56288	0.14889	0.40097	0.24392	0.0959	0.15604	2.67E+00	6.64E-03	1.35E-06	3.61E-03	8.65E-02	1.58E-02	1.57E-02	2.44E-02	2.77E+00
5981	482697.52	3855618.68	0.6048	0.16224	0.4139	0.14713	0.40218	0.26106	0.0988	0.16224	2.90E+00	6.90E-03	9.93E-07	3.56E-03	8.67E-02	1.69E-02	1.61E-02	2.54E-02	3.01E+00

5982	482696.11	3855518.83	0.61723	0.16968	0.50034	0.1535	0.32651	0.25188	0.1026	0.16968	2.96E+00	7.22E-03	1.20E-06	3.72E-03	7.04E-02	1.63E-02	1.67E-02	2.66E-02	3.05E+00
5983	482694.71	3855418.98	0.61425	0.1769	0.49099	0.16159	0.23775	0.26292	0.1057	0.1769	2.95E+00	7.53E-03	1.18E-06	3.91E-03	5.13E-02	1.70E-02	1.73E-02	2.77E-02	3.02E+00
5984	482693.3	3855319.13	0.60067	0.1854	0.50002	0.16676	0.28191	0.27986	0.1088	0.1854	2.88E+00	7.89E-03	1.20E-06	4.04E-03	6.08E-02	1.81E-02	1.78E-02	2.90E-02	2.96E+00
5985	482691.9	3855219.27	0.58702	0.20699	0.72013	0.16733	0.27497	0.29231	0.1132	0.20699	2.82E+00	8.81E-03	1.73E-06	4.05E-03	5.93E-02	1.89E-02	1.85E-02	3.24E-02	2.89E+00
5986	482690.49	3855119.42	0.57212	0.22093	0.92987	0.17635	0.2287	0.31568	0.1173	0.22093	2.75E+00	9.40E-03	2.23E-06	4.27E-03	4.93E-02	2.04E-02	1.91E-02	3.46E-02	2.81E+00
5987	482689.09	3855019.57	0.56106	0.23853	0.9544	0.18479	0.20107	0.36394	0.1232	0.23853	2.69E+00	1.01E-02	2.29E-06	4.48E-03	4.34E-02	2.35E-02	2.01E-02	3.74E-02	2.76E+00
5988	482687.68	3854919.71	0.54789	0.25811	0.59037	0.19008	0.24409	0.45594	0.129	0.25811	2.63E+00	1.10E-02	1.42E-06	4.61E-03	5.26E-02	2.95E-02	2.10E-02	4.04E-02	2.71E+00
5989	482686.28	3854819.86	0.53004	0.27592	0.65273	0.18784	0.18918	0.83801	0.1373	0.27592	2.54E+00	1.17E-02	1.57E-06	4.55E-03	4.08E-02	5.42E-02	2.24E-02	4.32E-02	2.63E+00
5990	482684.88	3854720.01	0.52456	0.29499	0.858	0.19878	0.17826	1.36458	0.1462	0.29499	2.52E+00	1.26E-02	2.06E-06	4.82E-03	3.84E-02	8.83E-02	2.39E-02	4.62E-02	2.64E+00
5991	482683.47	3854620.16	0.52177	0.3338	0.75762	0.21107	0.17283	1.29643	0.1634	0.3338	2.50E+00	1.42E-02	1.82E-06	5.11E-03	3.73E-02	8.39E-02	2.67E-02	5.23E-02	2.62E+00
5992	482682.07	3854520.31	0.50454	0.35821	0.44381	0.22605	0.14624	1.31907	0.1862	0.35821	2.42E+00	1.52E-02	1.06E-06	5.48E-03	3.15E-02	8.53E-02	3.04E-02	5.61E-02	2.53E+00
5993	482680.66	3854420.45	0.5106	0.37239	0.23469	0.23872	0.12469	1.32909	0.2166	0.37239	2.45E+00	1.58E-02	5.63E-07	5.78E-03	2.69E-02	8.60E-02	3.54E-02	5.83E-02	2.56E+00
5994	482679.26	3854320.6	0.5082	0.39242	0.15466	0.25443	0.12181	1.29451	0.2424	0.39242	2.44E+00	1.67E-02	3.71E-07	6.16E-03	2.63E-02	8.38E-02	3.96E-02	6.15E-02	2.55E+00
5995	482677.85	3854220.75	0.49314	0.40369	0.15306	0.27275	0.13097	1.40684	0.2705	0.40369	2.37E+00	1.72E-02	3.67E-07	6.61E-03	2.82E-02	9.10E-02	4.42E-02	6.32E-02	2.49E+00
5996	482676.45	3854120.9	0.47224	0.39149	0.13728	0.27835	0.12313	1.36346	0.2925	0.39149	2.27E+00	1.67E-02	3.29E-07	6.74E-03	2.66E-02	8.82E-02	4.77E-02	6.13E-02	2.39E+00
5997	482675.04	3854021.04	0.44914	0.40046	0.11807	0.25455	0.10728	1.65935	0.3159	0.40046	2.16E+00	1.70E-02	2.83E-07	6.17E-03	2.31E-02	1.07E-01	5.16E-02	6.27E-02	2.30E+00
5998	482673.64	3853921.19	0.43641	0.41874	0.1208	0.27319	0.09861	0.77269	0.3068	0.41874	2.09E+00	1.78E-02	2.90E-07	6.62E-03	2.13E-02	5.00E-02	5.01E-02	6.56E-02	2.17E+00
5999	482672.23	3853821.34	0.4259	0.45931	0.09866	0.23549	0.07623	0.44543	0.3161	0.45931	2.04E+00	1.95E-02	2.37E-07	5.71E-03	1.64E-02	2.88E-02	5.16E-02	7.20E-02	2.09E+00
6000	482670.83	3853721.48	0.41066	0.45837	0.09824	0.14883	0.09315	0.32034	0.3572	0.45837	1.97E+00	1.95E-02	2.36E-07	3.61E-03	2.01E-02	2.07E-02	5.83E-02	7.18E-02	2.02E+00
6001	482669.42	3853621.63	0.38591	0.49616	0.08907	0.15011	0.06975	0.26349	0.4112	0.49616	1.85E+00	2.11E-02	2.14E-07	3.64E-03	1.50E-02	1.70E-02	6.71E-02	7.77E-02	1.90E+00
6002	482645.99	3853446.13	0.33559	0.54515	0.08219	0.13256	0.06715	0.21715	0.4897	0.54515	1.61E+00	2.32E-02	1.97E-07	3.21E-03	1.45E-02	1.41E-02	7.99E-02	8.54E-02	1.66E+00
6003	482623.96	3853370.48	0.31465	0.54719	0.0817	0.10813	0.07368	0.20074	0.5592	0.54719	1.51E+00	2.33E-02	1.96E-07	2.62E-03	1.59E-02	1.30E-02	9.13E-02	8.57E-02	1.57E+00
6004	482601.94	3853294.84	0.30982	0.57107	0.07804	0.10575	0.07897	0.19395	0.5823	0.57107	1.49E+00	2.43E-02	1.87E-07	2.56E-03	1.70E-02	1.25E-02	9.50E-02	8.95E-02	1.55E+00
6005	482531.29	3853133.44	0.29179	0.62375	0.06699	0.08835	0.07876	0.16652	0.6255	0.62375	1.40E+00	2.65E-02	1.61E-07	2.14E-03	1.70E-02	1.08E-02	1.02E-01	9.77E-02	1.46E+00
6006	482482.68	3853047.69	0.27865	0.66791	0.06393	0.08155	0.07923	0.15093	0.6795	0.66791	1.34E+00	2.84E-02	1.53E-07	1.98E-03	1.71E-02	9.77E-03	1.11E-01	1.05E-01	1.40E+00
6007	482383.08	3852897.4	0.22676	0.88145	0.05702	0.07039	0.0775	0.13219	0.8946	0.88145	1.09E+00	3.75E-02	1.37E-07	1.71E-03	1.67E-02	8.55E-03	1.46E-01	1.38E-01	1.16E+00
6008	482265.64	3852765.26	0.21258	0.93058	0.05324	0.06352	0.07308	0.11427	0.9441	0.93058	1.02E+00	3.96E-02	1.28E-07	1.54E-03	1.58E-02	7.39E-03	1.54E-01	1.46E-01	1.09E+00
6009	482199.16	3852697.66	0.20245	0.9399	0.05116	0.06086	0.07248	0.10229	0.9221	0.9399	9.72E-01	4.00E-02	1.23E-07	1.47E-03	1.56E-02	6.62E-03	1.51E-01	1.47E-01	1.04E+00
6010	482132.69	3852630.07	0.19458	0.91136	0.04988	0.05841	0.07139	0.08768	0.9044	0.91136	9.34E-01	3.88E-02	1.20E-07	1.42E-03	1.54E-02	5.67E-03	1.48E-01	1.43E-01	1.00E+00
6011	482066.21	3852562.48	0.18513	0.92357	0.04425	0.05611	0.0698	0.08517	0.9081	0.92357	8.88E-01	3.93E-02	1.06E-07	1.36E-03	1.51E-02	5.51E-03	1.48E-01	1.45E-01	9.53E-01
6012	481999.74	3852494.89	0.17648	0.91024	0.03837	0.05388	0.06819	0.08323	0.8983	0.91024	8.47E-01	3.87E-02	9.20E-08	1.31E-03	1.47E-02	5.39E-03	1.47E-01	1.43E-01	9.11E-01
6013	481933.26	3852427.29	0.16855	0.85236	0.03417	0.05177	0.06658	0.08136	0.8551	0.85236	8.09E-01	3.63E-02	8.20E-08	1.25E-03	1.44E-02	5.26E-03	1.40E-01	1.34E-01	8.72E-01
6014	481866.79	3852359.7	0.16161	0.87735	0.03368	0.04987	0.06498	0.07985	0.8632	0.87735	7.76E-01	3.73E-02	8.08E-08	1.21E-03	1.40E-02	5.17E-03	1.41E-01	1.37E-01	8.37E-01
6015	481800.31	3852292.11	0.15491	0.83267	0.03355	0.04807	0.06339	0.07846	0.8417	0.83267	7.43E-01	3.54E-02	8.05E-08	1.16E-03	1.37E-02	5.08E-03	1.37E-01	1.30E-01	8.06E-01
6016	481733.84	3852224.52	0.15045	0.81209	0.0336	0.04634	0.06181	0.07702	0.8149	0.81209	7.22E-01	3.46E-02	8.06E-08	1.12E-03	1.33E-02	4.98E-03	1.33E-01	1.27E-01	7.82E-01
6017	481667.36	3852156.92	0.14867	0.81364	0.03359	0.04474	0.06024	0.07585	0.8244	0.81364	7.13E-01	3.46E-02	8.06E-08	1.08E-03	1.30E-02	4.91E-03	1.35E-01	1.27E-01	7.74E-01
6018	481600.89	3852089.33	0.14715	0.78176	0.03362	0.04311	0.05868	0.07414	0.8079	0.78176	7.06E-01	3.33E-02	8.06E-08	1.04E-03	1.27E-02	4.80E-03	1.32E-01	1.22E-01	7.67E-01
6019	481534.41	3852021.74	0.14526	0.77378	0.03365	0.04153	0.05714	0.07237	0.8062	0.77378	6.97E-01	3.29E-02	8.07E-08	1.01E-03	1.23E-02	4.68E-03	1.32E-01	1.21E-01	7.58E-01
6020	481467.94	3851954.15	0.14416	0.78542	0.03362	0.04006	0.05561	0.07078	0.796	0.78542	6.92E-01	3.34E-02	8.06E-08	9.71E-04	1.20E-02	4.58E-03	1.30E-01	1.23E-01	7.50E-01
6021	481401.46	3851886.55	0.14242	0.79312	0.03352	0.0387	0.05411	0.06949	0.8036	0.79312	6.83E-01	3.37E-02	8.04E-08	9.38E-04	1.17E-02	4.50E-03	1.31E-01	1.24E-01	7.41E-01
6022	481265.87	3851761.43	0.17123	0.72874	0.03346	0.03708	0.05186	0.06748	0.7381	0.72874	8.22E-01	3.10E-02	8.02E-08	8.98E-04	1.12E-02	4.37E-03	1.20E-01	1.14E-01	8.75E-01
6023	481196.74	3851703.89	0.16828	0.70671	0.03342	0.03681	0.05128	0.05929	0.7133	0.70671	8.08E-01	3.01E-02	8.02E-08	8.92E-04	1.11E-02	3.84E-03	1.16E-01	1.11E-01	8.59E-01
6024	481076.33	3851619.04	0.18448	0.71824	0.03339	0.03754	0.05065	0.0516	0.7227	0.71824	8.85E-01	3.06E-02	8.01E-08	9.09E-04	1.09E-02	3.34E-03	1.18E-01	1.13E-01	9.36E-01
6025	480939.8	3851549.07	0.1914	0.7712	0.03324	0.03068	0.05128	0.05364	0.7765	0.7712	9.19E-01	3.28E-02	7.97E-08	7.43E-04	1.11E-02	3.47E-03	1.27E-01	1.21E-01	9.73E-01
6026	480854.56	3851506.41	0.1895	0.78604	0.03299	0.031	0.05151	0.05493	0.7863	0.78604	9.09E-01	3.34E-02	7.91E-08	7.51E-04	1.11E-02	3.55E-03	1.28E-01	1.23E-01	9.63E-01
6027	480769.32	3851463.75	0.19123	0.81279	0.03259	0.03129	0.05158	0.0562	0.8156	0.81279	9.18E-01	3.46E-02	7.82E-08	7.58E-04	1.11E-02	3.64E-03	1.33E-01	1.27E-01	9.74E-01
6028	480684.08	3851421.08	0.19395	0.83064	0.03171	0.03012	0.05149	0.04838	0.8346	0.83064	9.31E-01	3.53E-02	7.61E-08	7.30E-04	1.11E-02	3.13E-03	1.36E-01	1.30E-01	9.87E-01
6029	480598.84	3851378.42	0.18807	0.81511	0.0302	0.02675	0.05124	0.03706	0.822	0.81511	9.03E-01	3.47E-02	7.24E-08	6.48E-04	1.11E-02	2.40E-03	1.34E-01	1.28E-01	9.58E-01
6030	480435.71	3851275.01	0.17845	0.99348	0.02771	0.02736	0.05014	0.03202	1.0146	0.99348	8.56E-01	4.23E-02	6.65E-08	6.63E-04	1.08E-02	2.07E-03	1.66E-01	1.56E-01	9.22E-01
6031	480347.85	3851232.36	0.17741	0.99467	0.02695	0.02902	0.04962	0.03107	1.0196	0.99467	8.51E-01	4.23E-02	6.46E-08	7.03E-04	1.07E-02	2.01E-03	1.66E-01	1.56E-01	9.18E-01
6032	480260	3851189.72	0.17954	0.98555	0.02662	0.03061	0.04894	0.02979	1.013	0.98555	8.62E-01	4.19E-02	6.38E-08	7.42E-04	1.06E-02	1.93E-03	1.65E-01	1.54E-01	9.28E-01
6033	480172.15	3851147.07	0.18701	0.9805	0.02617	0.03206	0.04812	0.0282	1.0128	0.9805	8.97E-01	4.17E-02	6.28E-08	7.77E-04	1.04E-02	1.82E-03	1.65E-01	1.54E-01	9.64E-01
6034	480084.29	3851104.42	0.19173	0.98005	0.02613	0.0321	0.04719	0.02793	1.0135	0.98005	9.20E-01	4.17E-02	6.27E-08	7.78E-04	1.02E-02	1.81E-03	1.65E-01	1.54E-01	9.86E-01
6035	479996.44	3851061.77	0.19689	0.97792	0.02548	0.03209	0.04614	0.02798	1.0142	0.97792	9.45E-01	4.16E-02	6.11E-08	7.77E-04	9.95E-03	1.81E-03	1.66E-01	1.53E-01	1.01E+00
6036	479908.58	3851019.13	0.21324	0.99122	0.02574	0.03201	0.04615	0.0281	1.0368	0.99122	1.02E+00	4.22E-02	6.17E-08	7.76E-04	9.95E-03	1.82E-03	1.69E-01	1.55E-01	1.09E+00
6037	479820.73	3850976.48	0.21426	0.98255	0.02597	0.03191	0.04811	0.02802	1.0317	0.98255	1.03E+00	4.18E-02	6.23E-08	7.73E-04	1.04E-02	1.81E-03	1.68E-01	1.54E-01	1.10E+00
6038	479732.88	3850933.83	0.21734	0.97325	0.02615	0.03178	0.04626	0.02785	1.0253	0.97325	1.04E+00	4.14E-02	6.27E-08	7.70E-04	9.98E-03	1.80E-03	1.67E-01	1.52E-01	1.11E+00

6039	479645.02	3850891.18	0.22333	0.97101	0.02518	0.03162	0.04443	0.02757	1.018	0.97101	1.07E+00	4.13E-02	6.04E-08	7.66E-04	9.58E-03	1.78E-03	1.66E-01	1.52E-01	1.14E+00
6040	479557.17	3850848.54	0.2271	0.96469	0.02124	0.03143	0.04263	0.02773	1.0004	0.96469	1.09E+00	4.10E-02	5.09E-08	7.61E-04	9.19E-03	1.79E-03	1.63E-01	1.51E-01	1.15E+00
6041	479469.32	3850805.89	0.23081	0.97992	0.01953	0.0312	0.04034	0.02793	1.0315	0.97992	1.11E+00	4.17E-02	4.68E-08	7.56E-04	8.70E-03	1.81E-03	1.68E-01	1.54E-01	1.18E+00
6042	479381.46	3850763.24	0.23316	0.96399	0.01975	0.03096	0.03991	0.02811	0.9928	0.96399	1.12E+00	4.10E-02	4.74E-08	7.50E-04	8.61E-03	1.82E-03	1.62E-01	1.51E-01	1.18E+00
6043	479293.61	3850720.59	0.23079	0.91239	0.02039	0.03071	0.0395	0.02825	0.9577	0.91239	1.11E+00	3.88E-02	4.89E-08	7.44E-04	8.52E-03	1.83E-03	1.56E-01	1.43E-01	1.17E+00
6044	479205.76	3850677.95	0.23043	0.88593	0.02098	0.03065	0.03907	0.02832	0.9279	0.88593	1.11E+00	3.77E-02	5.03E-08	7.43E-04	8.43E-03	1.83E-03	1.51E-01	1.39E-01	1.17E+00
6045	479117.9	3850635.3	0.23178	0.85226	0.02156	0.03058	0.03857	0.02832	0.8897	0.85226	1.11E+00	3.63E-02	5.17E-08	7.41E-04	8.32E-03	1.83E-03	1.45E-01	1.34E-01	1.17E+00
6046	479030.05	3850592.65	0.22716	0.83169	0.02207	0.03048	0.03804	0.02824	0.8659	0.83169	1.09E+00	3.54E-02	5.29E-08	7.38E-04	8.20E-03	1.83E-03	1.41E-01	1.30E-01	1.15E+00
6047	478942.19	3850550	0.22458	0.86764	0.02243	0.03039	0.03765	0.02801	0.8898	0.86764	1.08E+00	3.69E-02	5.38E-08	7.36E-04	8.12E-03	1.81E-03	1.45E-01	1.36E-01	1.13E+00
6048	478854.34	3850507.36	0.21282	0.99004	0.02264	0.02937	0.03704	0.02469	1.026	0.99004	1.02E+00	4.21E-02	5.43E-08	7.12E-04	7.99E-03	1.60E-03	1.67E-01	1.55E-01	1.09E+00
6049	478766.49	3850464.71	0.20994	0.98664	0.02292	0.02858	0.03651	0.02468	1.0198	0.98664	1.01E+00	4.20E-02	5.50E-08	6.92E-04	7.87E-03	1.60E-03	1.66E-01	1.55E-01	1.07E+00
6050	478678.63	3850422.06	0.20441	0.98289	0.02316	0.02755	0.036	0.02469	1.0145	0.98289	9.81E-01	4.18E-02	5.55E-08	6.67E-04	7.76E-03	1.60E-03	1.66E-01	1.54E-01	1.04E+00
6051	478590.78	3850379.41	0.1953	0.981	0.02334	0.02595	0.03548	0.02468	1.0106	0.981	9.37E-01	4.17E-02	5.60E-08	6.29E-04	7.65E-03	1.60E-03	1.65E-01	1.54E-01	1.00E+00
6052	478502.93	3850336.77	0.19317	0.9777	0.02348	0.02669	0.03496	0.0247	1.0056	0.9777	9.27E-01	4.16E-02	5.63E-08	6.47E-04	7.54E-03	1.60E-03	1.64E-01	1.53E-01	9.89E-01
6053	478415.07	3850294.12	0.18903	0.96502	0.02333	0.02687	0.03445	0.02426	0.9905	0.96502	9.07E-01	4.11E-02	5.60E-08	6.51E-04	7.43E-03	1.57E-03	1.62E-01	1.51E-01	9.68E-01
6054	478327.22	3850251.47	0.182	0.96834	0.0227	0.02639	0.03393	0.0247	0.9946	0.96834	8.73E-01	4.12E-02	5.44E-08	6.39E-04	7.32E-03	1.60E-03	1.62E-01	1.52E-01	9.35E-01
6055	478239.36	3850208.82	0.17705	0.97122	0.022	0.02593	0.03341	0.02418	0.9964	0.97122	8.50E-01	4.13E-02	5.28E-08	6.28E-04	7.21E-03	1.56E-03	1.63E-01	1.52E-01	9.11E-01
6056	478151.51	3850166.18	0.17629	0.97372	0.02245	0.02548	0.03289	0.02349	0.9975	0.97372	8.46E-01	4.14E-02	5.38E-08	6.17E-04	7.09E-03	1.52E-03	1.63E-01	1.53E-01	9.07E-01
6057	478063.66	3850123.53	0.17443	0.97758	0.02215	0.02503	0.03237	0.02287	1.0001	0.97758	8.37E-01	4.16E-02	5.31E-08	6.06E-04	6.98E-03	1.48E-03	1.63E-01	1.53E-01	8.98E-01
6058	477975.8	3850080.88	0.17008	0.8884	0.02194	0.02475	0.03192	0.02273	0.9079	0.8884	8.16E-01	3.78E-02	5.26E-08	6.00E-04	6.88E-03	1.47E-03	1.48E-01	1.39E-01	8.72E-01
6059	477887.95	3850038.23	0.16745	0.89393	0.02158	0.02435	0.03143	0.0226	0.913	0.89393	8.04E-01	3.80E-02	5.18E-08	5.90E-04	6.78E-03	1.46E-03	1.49E-01	1.40E-01	8.59E-01
6060	477800.1	3849995.59	0.16559	0.86099	0.02116	0.02395	0.03096	0.02246	0.8783	0.86099	7.95E-01	3.66E-02	5.07E-08	5.80E-04	6.68E-03	1.45E-03	1.43E-01	1.35E-01	8.48E-01
6061	477712.24	3849952.94	0.16257	0.86017	0.02084	0.02353	0.03048	0.02232	0.8761	0.86017	7.80E-01	3.66E-02	5.00E-08	5.70E-04	6.57E-03	1.44E-03	1.43E-01	1.35E-01	8.34E-01
6062	477624.39	3849910.29	0.15471	0.87289	0.02053	0.02311	0.02999	0.02217	0.8844	0.87289	7.42E-01	3.71E-02	4.92E-08	5.60E-04	6.47E-03	1.43E-03	1.44E-01	1.37E-01	7.96E-01
6063	477536.54	3849867.64	0.15282	0.86392	0.02021	0.0227	0.0295	0.02237	0.8743	0.86392	7.33E-01	3.68E-02	4.85E-08	5.50E-04	6.36E-03	1.45E-03	1.43E-01	1.35E-01	7.86E-01
6064	477448.68	3849825	0.14931	0.87574	0.0199	0.02227	0.02633	0.02283	0.8856	0.87574	7.17E-01	3.73E-02	4.77E-08	5.40E-04	5.68E-03	1.48E-03	1.45E-01	1.37E-01	7.69E-01
6065	477360.83	3849782.35	0.14281	0.86783	0.0196	0.02186	0.02421	0.02328	0.8769	0.86783	6.85E-01	3.69E-02	4.70E-08	5.30E-04	5.22E-03	1.51E-03	1.43E-01	1.36E-01	7.37E-01
6066	477272.97	3849739.7	0.13965	0.8518	0.01962	0.02145	0.02315	0.02371	0.8602	0.8518	6.70E-01	3.62E-02	4.71E-08	5.20E-04	4.99E-03	1.53E-03	1.40E-01	1.33E-01	7.20E-01
6067	477185.12	3849697.05	0.13723	0.82799	0.0197	0.02105	0.02271	0.02414	0.8349	0.82799	6.59E-01	3.52E-02	4.72E-08	5.10E-04	4.90E-03	1.56E-03	1.36E-01	1.30E-01	7.07E-01
6068	477097.27	3849654.41	0.13603	0.82825	0.01917	0.02064	0.02232	0.02455	0.8347	0.82825	6.53E-01	3.52E-02	4.60E-08	5.00E-04	4.81E-03	1.59E-03	1.36E-01	1.30E-01	7.01E-01
6069	477009.41	3849611.76	0.13581	0.89933	0.01857	0.0202	0.02189	0.02449	0.9056	0.89933	6.52E-01	3.83E-02	4.45E-08	4.89E-04	4.72E-03	1.58E-03	1.48E-01	1.41E-01	7.04E-01
6070	476841.49	3849530.08	0.13544	0.88811	0.01784	0.01944	0.02123	0.02432	0.8909	0.88811	6.50E-01	3.78E-02	4.28E-08	4.71E-04	4.58E-03	1.57E-03	1.45E-01	1.39E-01	7.01E-01
6071	476761.41	3849491.05	0.13191	0.86553	0.01758	0.01911	0.02097	0.02425	0.8679	0.86553	6.33E-01	3.68E-02	4.22E-08	4.63E-04	4.52E-03	1.57E-03	1.42E-01	1.36E-01	6.82E-01
6072	476681.34	3849452.02	0.12814	0.87424	0.01732	0.01874	0.02078	0.02414	0.8765	0.87424	6.15E-01	3.72E-02	4.15E-08	4.54E-04	4.48E-03	1.56E-03	1.43E-01	1.37E-01	6.65E-01
6073	476601.26	3849412.99	0.13546	0.90068	0.01707	0.01836	0.0207	0.02402	0.9026	0.90068	6.50E-01	3.83E-02	4.09E-08	4.45E-04	4.46E-03	1.55E-03	1.47E-01	1.41E-01	7.01E-01
6074	476456.32	3849353.67	0.12736	0.93108	0.01659	0.01753	0.02051	0.02375	0.9314	0.93108	6.11E-01	3.96E-02	3.98E-08	4.25E-04	4.42E-03	1.54E-03	1.52E-01	1.46E-01	6.63E-01
6075	476305.43	3849318.83	0.1285	0.85186	0.0164	0.01665	0.02022	0.02365	0.8541	0.85186	6.17E-01	3.62E-02	3.93E-08	4.03E-04	4.36E-03	1.53E-03	1.39E-01	1.33E-01	6.65E-01
6076	476129.36	3849289.99	0.12911	0.8081	0.0153	0.01596	0.02008	0.0234	0.8156	0.8081	6.20E-01	3.44E-02	3.67E-08	3.87E-04	4.33E-03	1.51E-03	1.33E-01	1.27E-01	6.67E-01
6077	476039.31	3849275.68	0.12936	0.80253	0.01495	0.01611	0.02028	0.02325	0.8078	0.80253	6.21E-01	3.41E-02	3.59E-08	3.90E-04	4.37E-03	1.50E-03	1.32E-01	1.26E-01	6.67E-01
6078	475949.26	3849261.38	0.13001	0.8135	0.01461	0.01665	0.02123	0.02299	0.8189	0.8135	6.24E-01	3.46E-02	3.50E-08	4.03E-04	4.58E-03	1.49E-03	1.34E-01	1.27E-01	6.71E-01
6079	475859.21	3849247.08	0.12929	0.80285	0.01427	0.01728	0.02225	0.02279	0.8074	0.80285	6.20E-01	3.42E-02	3.42E-08	4.19E-04	4.80E-03	1.47E-03	1.32E-01	1.26E-01	6.67E-01
6080	475769.16	3849232.77	0.13887	0.82268	0.01394	0.0179	0.02325	0.0225	0.8262	0.82268	6.66E-01	3.50E-02	3.34E-08	4.34E-04	5.01E-03	1.46E-03	1.35E-01	1.29E-01	7.14E-01
6081	475585.22	3849219.27	0.14234	0.58543	0.01569	0.0177	0.02439	0.0213	0.5886	0.58543	6.83E-01	2.49E-02	3.76E-08	4.29E-04	5.26E-03	1.38E-03	9.61E-02	9.17E-02	7.19E-01
6082	475444.49	3849150.34	0.18359	1.04372	0.01616	0.01943	0.02554	0.02119	1.0496	1.04372	8.81E-01	4.44E-02	3.88E-08	4.71E-04	5.51E-03	1.37E-03	1.71E-01	1.64E-01	9.41E-01
6083	475334.17	3849118.71	0.17478	0.90795	0.0168	0.02001	0.02683	0.02108	0.9109	0.90795	8.39E-01	3.86E-02	4.03E-08	4.85E-04	5.79E-03	1.36E-03	1.49E-01	1.42E-01	8.91E-01
6084	475230.46	3849060.57	0.19367	1.07767	0.01694	0.01996	0.02682	0.02093	1.082	1.07767	9.29E-01	4.59E-02	4.06E-08	4.84E-04	5.78E-03	1.35E-03	1.77E-01	1.69E-01	9.91E-01
6085	475110.86	3848960.97	0.16509	1.04739	0.01661	0.01929	0.0259	0.02073	1.054	1.04739	7.92E-01	4.46E-02	3.98E-08	4.67E-04	5.59E-03	1.34E-03	1.72E-01	1.64E-01	8.52E-01
6086	475037.79	3848896.28	0.14788	1.01886	0.01636	0.01871	0.02523	0.02061	1.0281	1.01886	7.10E-01	4.34E-02	3.92E-08	4.53E-04	5.44E-03	1.33E-03	1.68E-01	1.60E-01	7.68E-01
6087	474964.72	3848831.59	0.15378	1.06249	0.0161	0.01728	0.0242	0.02049	1.0719	1.06249	7.38E-01	4.52E-02	3.86E-08	4.19E-04	5.22E-03	1.33E-03	1.75E-01	1.66E-01	7.99E-01
6088	474891.65	3848766.9	0.14014	1.03173	0.01586	0.01622	0.02322	0.02039	1.0748	1.03173	6.73E-01	4.39E-02	3.80E-08	3.93E-04	5.01E-03	1.32E-03	1.75E-01	1.62E-01	7.37E-01
6089	474818.58	3848702.22	0.12891	1.0373	0.01562	0.01559	0.02228	0.02029	1.0494	1.0373	6.19E-01	4.41E-02	3.75E-08	3.78E-04	4.81E-03	1.31E-03	1.71E-01	1.62E-01	6.78E-01
6090	474745.51	3848637.53	0.11095	0.99015	0.0154	0.01516	0.02186	0.02022	0.9981	0.99015	5.32E-01	4.21E-02	3.69E-08	3.67E-04	4.71E-03	1.31E-03	1.63E-01	1.55E-01	5.89E-01
6091	474672.44	3848572.84	0.10271	0.98609	0.01517	0.01541	0.02184	0.02014	0.9938	0.98609	4.93E-01	4.20E-02	3.64E-08	3.73E-04	4.71E-03	1.30E-03	1.62E-01	1.54E-01	5.49E-01
6092	474599.37	3848508.15	0.10054	1.0314	0.01493	0.01561	0.02172	0.02003	1.0393	1.0314	4.82E-01	4.39E-02	3.58E-08	3.78E-04	4.68E-03	1.30E-03	1.70E-01	1.62E-01	5.41E-01
6093	474526.3	3848443.46	0.09629	1.0427	0.01469	0.01583	0.02118	0.01994	1.052	1.0427	4.62E-01	4.44E-02	3.52E-08	3.84E-04	4.57E-03	1.29E-03	1.72E-01	1.63E-01	5.21E-01

			PM10 Period Concentration [ug/m^3] at 1 g/s								Rates (g/s):	1.85E+01	4.25E-02	2.40E-06	9.32E-02	8.30E-01	2.49E-01	1.63E-01	1.57E-01	
												Unmitigated Concentration [ug/m^3]								
	X	Y	Equipment	Rail Haulin	Rail Idling	Off-Site	Solar	33kV	S Main	Remove Ex	Main	Equipment	Rail Hauling	Rail Idling	Off-Site	Solar	33kV	S Main	Remove Ex	Total
1	485973.61	3854936.51	0.03545	0.00803	0.01577	0.03216	0.00642	0.02259	0.01869	0.00803		0.65442093	0.000341664	3.782E-08	0.0029972	0.0053264	0.0056226	0.003051	0.00125791	0.670502
2	486023.61	3854936.51	0.03468	0.00789	0.01542	0.03074	0.00638	0.02177	0.01795	0.00789		0.64020643	0.000335707	3.698E-08	0.0028648	0.0052932	0.0054185	0.00293	0.00123598	0.655813
3	486073.61	3854936.51	0.0338	0.00778	0.01515	0.02957	0.00637	0.0211	0.01734	0.00778		0.62396128	0.000331027	3.633E-08	0.0027558	0.0052849	0.0052517	0.00283	0.00121875	0.639196
4	486123.61	3854936.51	0.03298	0.00761	0.01479	0.02813	0.00632	0.02023	0.01657	0.00761		0.60882376	0.000323794	3.547E-08	0.0026216	0.0052434	0.0050352	0.002705	0.00119212	0.62356
5	486173.61	3854936.51	0.0324	0.00754	0.01465	0.02732	0.00637	0.01977	0.01615	0.00754		0.59811673	0.000320815	3.514E-08	0.0025461	0.0052849	0.0049207	0.002636	0.00118115	0.612644
6	486223.61	3854936.51	0.03173	0.00742	0.01441	0.02625	0.00636	0.01914	0.01558	0.00742		0.58574827	0.00031571	3.456E-08	0.0024464	0.0052766	0.0047639	0.002543	0.00116235	0.599932
7	486273.61	3854936.51	0.03111	0.00732	0.01423	0.02534	0.00638	0.0186	0.0151	0.00732		0.57430283	0.000311455	3.413E-08	0.0023616	0.0052932	0.0046295	0.002465	0.00114669	0.588217
8	486323.61	3854936.51	0.03054	0.00723	0.01407	0.02452	0.00641	0.01812	0.01467	0.00723		0.5637804	0.000307625	3.374E-08	0.0022852	0.0053181	0.00451	0.002395	0.00113259	0.577463
9	485973.61	3854986.51	0.03707	0.00823	0.01577	0.03393	0.00675	0.02361	0.01946	0.00823		0.68432677	0.000350174	3.782E-08	0.0031621	0.0056002	0.0058764	0.003176	0.00128924	0.701203
10	486023.61	3854986.51	0.03625	0.0081	0.01548	0.03247	0.0067	0.02279	0.01872	0.0081		0.66918925	0.000344643	3.713E-08	0.0030261	0.0055587	0.0056724	0.003056	0.00126887	0.685578
11	486073.61	3854986.51	0.03544	0.00795	0.01519	0.03103	0.00666	0.02195	0.01798	0.00795		0.65423633	0.00033826	3.643E-08	0.0028919	0.0055255	0.0054633	0.002935	0.00124538	0.670145
12	486123.61	3854986.51	0.03469	0.00782	0.01494	0.02971	0.00665	0.02118	0.01729	0.00782		0.64039103	0.000332729	3.583E-08	0.0027688	0.0055172	0.0052716	0.002822	0.00122501	0.655879
13	486173.61	3854986.51	0.03383	0.00772	0.01478	0.02868	0.00667	0.02059	0.01676	0.00772		0.6245151	0.000328474	3.545E-08	0.0026729	0.0055338	0.0051248	0.002736	0.00120935	0.639701
14	486223.61	3854986.51	0.0331	0.00759	0.01456	0.02751	0.00666	0.01989	0.01615	0.00759		0.61103901	0.000322943	3.492E-08	0.0025638	0.0055255	0.0049506	0.002636	0.00118898	0.625849
15	486273.61	3854986.51	0.03237	0.00745	0.01434	0.02636	0.00665	0.01921	0.01554	0.00745		0.59756292	0.000316986	3.439E-08	0.0024566	0.0055172	0.0047813	0.002537	0.00116705	0.612005
16	486323.61	3854986.51	0.03185	0.00741	0.01428	0.02573	0.00672	0.01886	0.01522	0.00741		0.58796352	0.000315284	3.425E-08	0.0023979	0.0055753	0.0046942	0.002484	0.00116079	0.60227
17	485973.61	3855036.51	0.03877	0.00844	0.01585	0.0359	0.0071	0.02473	0.0203	0.00844		0.71570944	0.000359109	3.801E-08	0.0033457	0.0058906	0.0061552	0.003314	0.00132214	0.733451
18	486023.61	3855036.51	0.03785	0.0083	0.01558	0.03424	0.00704	0.0238	0.01947	0.0083		0.69872588	0.000353152	3.737E-08	0.003191	0.0058408	0.0059237	0.003178	0.00130021	0.715912
19	486073.61	3855036.51	0.03696	0.00813	0.01529	0.03257	0.00698	0.02283	0.01863	0.00813		0.68229613	0.000345919	3.667E-08	0.0030354	0.005791	0.0056823	0.003041	0.00127357	0.698918
20	486123.61	3855036.51	0.03615	0.00799	0.01508	0.03117	0.00696	0.02202	0.01791	0.00799		0.66734321	0.000339962	3.617E-08	0.0029049	0.0057744	0.0054807	0.002923	0.00125164	0.683515
21	486173.61	3855036.51	0.03541	0.0079	0.01495	0.03007	0.00699	0.0214	0.01736	0.0079		0.65368252	0.000336133	3.586E-08	0.0028024	0.0057993	0.0053264	0.002834	0.00123754	0.669543
22	486223.61	3855036.51	0.03446	0.00775	0.01473	0.02872	0.00696	0.02061	0.01666	0.00775		0.63614514	0.000329751	3.533E-08	0.0026766	0.0057744	0.0051298	0.002719	0.00121405	0.651561
23	486273.61	3855036.51	0.03381	0.00767	0.01463	0.02783	0.00701	0.0201	0.01621	0.00767		0.62414589	0.000326347	3.509E-08	0.0025936	0.0058159	0.0050028	0.002646	0.00120151	0.639329
24	486323.61	3855036.51	0.03311	0.00755	0.01445	0.02677	0.00701	0.01948	0.01566	0.00755		0.61122361	0.000321241	3.466E-08	0.0024949	0.0058159	0.0048485	0.002556	0.00118272	0.626078
25	485973.61	3855086.51	0.04046	0.00865	0.01599	0.03794	0.00747	0.02585	0.02113	0.00865		0.7469075	0.000368044	3.835E-08	0.0035359	0.0061975	0.006434	0.003449	0.00135503	0.765537
26	486023.61	3855086.51	0.03954	0.00852	0.0158	0.03624	0.00741	0.02491	0.0203	0.00852		0.72992394	0.000362513	3.789E-08	0.0033774	0.0061477	0.0062	0.003314	0.00133467	0.747991
27	486073.61	3855086.51	0.03857	0.00834	0.01553	0.03439	0.00734	0.02386	0.01938	0.00834		0.71201736	0.000354854	3.725E-08	0.003205	0.0060897	0.0059387	0.003163	0.00130647	0.729463
28	486123.61	3855086.51	0.0377	0.00822	0.01538	0.03297	0.00733	0.02306	0.01869	0.00822		0.69595682	0.000349748	3.689E-08	0.0030727	0.0060814	0.0057396	0.003051	0.00128767	0.712963
29	486173.61	3855086.51	0.03684	0.00806	0.01517	0.03145	0.0073	0.02218	0.01792	0.00806		0.68008088	0.000342941	3.638E-08	0.002931	0.0060565	0.0055205	0.002925	0.00126261	0.696594
30	486223.61	3855086.51	0.03606	0.00795	0.01502	0.03023	0.00732	0.02149	0.01731	0.00795		0.66568177	0.00033826	3.602E-08	0.0028173	0.0060731	0.0053488	0.002825	0.00124538	0.681839
31	485973.61	3855136.51	0.04208	0.00891	0.0163	0.04033	0.00788	0.02716	0.0221	0.00891		0.77681334	0.000379107	3.909E-08	0.0037586	0.0065377	0.00676	0.003607	0.00139576	0.79646
32	486023.61	3855136.51	0.04113	0.00874	0.0161	0.03831	0.00781	0.02605	0.02114	0.00874		0.75927597	0.000371874	3.861E-08	0.0035703	0.0064796	0.0064838	0.003451	0.00136913	0.778263
33	486073.61	3855136.51	0.04022	0.00857	0.0159	0.03644	0.00774	0.025	0.02023	0.00857		0.74247701	0.00036464	3.813E-08	0.0033961	0.0064215	0.0062224	0.003302	0.0013425	0.760841
34	486123.61	3855136.51	0.03929	0.00843	0.01572	0.03477	0.0077	0.02407	0.01942	0.00843		0.72530884	0.000358683	3.77E-08	0.0032404	0.0063883	0.0059909	0.00317	0.00132057	0.743137
35	486173.61	3855136.51	0.03837	0.00828	0.01551	0.03318	0.00768	0.02317	0.01864	0.00828		0.70832528	0.000352301	3.72E-08	0.0030922	0.0063718	0.0057669	0.003043	0.00129707	0.725654
36	486223.61	3855136.51	0.03751	0.00814	0.01532	0.03176	0.00768	0.02236	0.01794	0.00814		0.69244934	0.000346344	3.674E-08	0.0029599	0.0063718	0.0055653	0.002928	0.00127514	0.709346
37	485973.61	3855186.51	0.04371	0.00917	0.01675	0.04296	0.00831	0.02855	0.02314	0.00917		0.80690378	0.000390169	4.017E-08	0.0040037	0.0068944	0.007106	0.003777	0.00143649	0.827639
38	486023.61	3855186.51	0.0427	0.009	0.01657	0.04074	0.00825	0.02737	0.02212	0.009		0.78825878	0.000382936	3.974E-08	0.0037968	0.0068447	0.0068123	0.003611	0.00140986	0.808296
39	486073.61	3855186.51	0.04177	0.0088	0.01632	0.03854	0.00816	0.02615	0.02107	0.0088		0.77109062	0.000374426	3.914E-08	0.0035918	0.00677	0.0065086	0.003439	0.00137853	0.790396
40	486123.61	3855186.51	0.04087	0.00861	0.01607	0.03655	0.00808	0.02503	0.02011	0.00861		0.75447626	0.000366342	3.854E-08	0.0034063	0.0067036	0.0062299	0.003283	0.00134877	0.773116
41	486173.61	3855186.51	0.03993	0.00846	0.01585	0.03487	0.00806	0.0241	0.01931	0.00846		0.73712349	0.00035996	3.801E-08	0.0032497	0.006687	0.0059984	0.003152	0.00132527	0.755245
42	486223.61	3855186.51	0.039	0.00832	0.01563	0.03332	0.00805	0.02324	0.01856	0.00832		0.71995533	0.000354003	3.749E-08	0.0031053	0.0066787	0.0057844	0.00303	0.00130334	0.737604
43	486273.61	3855186.51	0.03811	0.00817	0.0154	0.03185	0.00806	0.0224	0.01785	0.00817		0.70352558	0.000347621	3.693E-08	0.0029683	0.006687	0.0055753	0.002914	0.00127984	0.720738
44	486323.61	3855186.51	0.03736	0.00813	0.01534	0.03101	0.00818	0.02196	0.01746	0.00813		0.68968028	0.000345919	3.679E-08	0.00289	0.0067866	0.0054658	0.00285	0.00127357	0.706745
45	485973.61	3855236.51	0.04538	0.00943	0.01734	0.04581	0.00875	0.03001	0.02421	0.00943		0.83773264	0.000401232	4.159E-08	0.0042693	0.0072595	0.0074694	0.003952	0.00147722	0.859607
46	486023.61	3855236.51	0.04436	0.00922	0.01707	0.04314	0.00868	0.02859	0.02301	0.00922		0.81890304	0.000392297	4.094E-08	0.0040205	0.0072014	0.007116	0.003756	0.00144432	0.839945
47	486073.61	3855236.51	0.04338	0.009	0.01678	0.04067	0.00858	0.02727	0.02187	0.009		0.80081185	0.000382936	4.024E-08	0.0037903	0.0071184	0.0067874	0.00357	0.00140986	0.821051
48	486123.61	3855236.51	0.0424	0.00883	0.01652	0.03861	0.00852	0.02615	0.02092	0.00883		0.78272067	0.000375703	3.962E-08	0.0035983	0.0070687	0.0065086	0.003415	0.00138323	0.802304
49	486173.61	3855236.51	0.04146	0.00867	0.01628	0.03676	0.00848	0.02513	0.02005	0.00867		0.7653679	0.000368895	3.904E-08	0.0034259	0.0070355	0.0062548	0.003273	0.00135817	0.784368
50	486223.61	3855236.51	0.04055	0.00851	0.01604	0.03502	0.00846	0.02416	0.01922	0.00851		0.74856894	0.000362087	3.847E-08	0.0032637	0.0070189	0.0060133	0.003137	0.0013331	0.767031
51	486273.61	3855236.51	0.03955	0.00831	0.01575	0.03315	0.00841	0.0231	0.01832	0.00831		0.73010854	0.000353578	3.777E-08	0.0030894	0.0069774	0.0057495	0.00299	0.00130177	0.747967
52	486323.61	3855236.51	0.03879	0.00832	0.01579	0.03249	0.00859	0.0228	0.01804	0.00832		0.71607865	0.000354003	3.787E-08	0.0030279	0.0071267	0.0056748	0.002945	0.00130334	0.733904
53	485973.61	3855286.51	0.04711	0.0097	0.01805	0.04896	0.00918	0.03158	0.02535	0.0097		0.86966912	0.00041272	4.329E-08	0.0045629	0.0076162	0.0078602	0.004138	0.00151952	0.892739

54	486023.61	3855286.51	0.04605	0.00946	0.01771	0.04588	0.00913	0.02997	0.02401	0.00946
55	486073.61	3855286.51	0.04499	0.00925	0.0174	0.04323	0.00906	0.02859	0.02283	0.00925
56	486123.61	3855286.51	0.04399	0.00904	0.01709	0.04079	0.00898	0.02728	0.02173	0.00904
57	486173.61	3855286.51	0.04301	0.00886	0.01682	0.03864	0.00891	0.02612	0.02074	0.00886
58	486223.61	3855286.51	0.04204	0.00871	0.01663	0.03684	0.0089	0.02515	0.01992	0.00871
59	486123.61	3855336.51	0.04563	0.00926	0.01788	0.04319	0.00947	0.0285	0.02259	0.00926
60	486173.61	3855336.51	0.04457	0.00909	0.01767	0.04092	0.00942	0.02731	0.02159	0.00909
61	486223.61	3855336.51	0.04356	0.00892	0.01748	0.03881	0.00937	0.02619	0.02065	0.00892
62	486123.61	3855386.51	0.04731	0.00951	0.01899	0.04597	0.01	0.02988	0.02356	0.00951
63	486173.61	3855386.51	0.04618	0.00932	0.0188	0.0434	0.00995	0.02856	0.02247	0.00932
64	486223.61	3855386.51	0.0451	0.00915	0.01864	0.04114	0.00991	0.0274	0.0215	0.00915
65	486533.18	3855443.15	0.04081	0.00854	0.01871	0.03307	0.01084	0.02312	0.01778	0.00854
66	486583.18	3855443.15	0.03999	0.0084	0.01838	0.03175	0.01088	0.02239	0.01718	0.0084
67	486633.18	3855443.15	0.03917	0.00827	0.01804	0.03052	0.01092	0.02171	0.01661	0.00827
68	486683.18	3855443.15	0.03837	0.00817	0.01775	0.02952	0.01102	0.02115	0.01615	0.00817
69	486533.18	3855493.15	0.04212	0.00873	0.01969	0.03463	0.01145	0.02397	0.01835	0.00873
70	486583.18	3855493.15	0.04125	0.00859	0.01934	0.03324	0.01152	0.02322	0.01774	0.00859
71	486633.18	3855493.15	0.04042	0.00846	0.01896	0.03193	0.01157	0.0225	0.01714	0.00846
72	486683.18	3855493.15	0.03961	0.00833	0.01859	0.03072	0.01164	0.02182	0.01659	0.00833
73	486533.18	3855543.15	0.04344	0.00894	0.02078	0.03644	0.01214	0.02494	0.01901	0.00894
74	486583.18	3855543.15	0.04256	0.00876	0.0203	0.03473	0.01217	0.02401	0.01826	0.00876
75	486633.18	3855543.15	0.04168	0.00863	0.01991	0.03334	0.01225	0.02326	0.01765	0.00863
76	486683.18	3855543.15	0.04086	0.00847	0.01943	0.03188	0.01228	0.02244	0.01698	0.00847
77	486533.18	3855593.15	0.04483	0.00913	0.0219	0.03833	0.01287	0.02591	0.01965	0.00913
78	486583.18	3855593.15	0.04388	0.00897	0.0214	0.03652	0.01292	0.02496	0.01889	0.00897
79	486633.18	3855593.15	0.04297	0.00882	0.02092	0.03492	0.01299	0.0241	0.0182	0.00882
80	486683.18	3855593.15	0.04207	0.00869	0.0205	0.03355	0.0131	0.02336	0.01761	0.00869
81	486533.18	3855643.15	0.04626	0.00935	0.02307	0.04051	0.01367	0.02702	0.02037	0.00935
82	486583.18	3855643.15	0.04525	0.00918	0.02252	0.03855	0.01375	0.02599	0.01956	0.00918
83	486633.18	3855643.15	0.04428	0.00902	0.02197	0.03676	0.01382	0.02506	0.01883	0.00902
84	486683.18	3855643.15	0.04335	0.00887	0.02145	0.03519	0.01392	0.02423	0.01817	0.00887
85	486533.18	3855693.15	0.04769	0.0096	0.0243	0.04317	0.01458	0.02834	0.02123	0.0096
86	486583.18	3855693.15	0.04669	0.00938	0.02356	0.04072	0.01462	0.02708	0.02026	0.00938
87	486633.18	3855693.15	0.04572	0.00917	0.02282	0.03849	0.01464	0.02592	0.01936	0.00917
88	486683.18	3855693.15	0.04467	0.00906	0.02236	0.037	0.01482	0.02517	0.01877	0.00906
89	486733.18	3855693.15	0.04364	0.00899	0.02202	0.03583	0.01508	0.0246	0.01832	0.00899
90	486783.18	3855693.15	0.04263	0.00894	0.02174	0.03485	0.01543	0.02412	0.01794	0.00894
91	486533.18	3855743.15	0.04923	0.00983	0.02543	0.04605	0.01554	0.02974	0.02213	0.00983
92	486583.18	3855743.15	0.04822	0.00957	0.0245	0.04307	0.01555	0.02823	0.02097	0.00957
93	486633.18	3855743.15	0.04714	0.00938	0.02378	0.04076	0.01563	0.02707	0.02009	0.00938
94	486683.18	3855743.15	0.04599	0.00929	0.02335	0.03922	0.01586	0.02632	0.01952	0.00929
95	486733.18	3855743.15	0.04495	0.00917	0.02282	0.03765	0.01607	0.02553	0.01891	0.00917
96	486783.18	3855743.15	0.04384	0.00914	0.02257	0.03666	0.01648	0.02508	0.01856	0.00914
97	486533.18	3855793.15	0.05084	0.01008	0.02655	0.04943	0.01661	0.03134	0.02317	0.01008
98	486583.18	3855793.15	0.04986	0.00975	0.02534	0.04564	0.01655	0.02944	0.02173	0.00975
99	486633.18	3855793.15	0.04856	0.00964	0.02482	0.04361	0.01679	0.0285	0.02102	0.00964
100	486683.18	3855793.15	0.04732	0.00955	0.02434	0.04184	0.01705	0.02766	0.02039	0.00955
101	486733.18	3855793.15	0.04619	0.00943	0.02379	0.04012	0.01729	0.02682	0.01975	0.00943
102	486783.18	3855793.15	0.0451	0.00934	0.02331	0.03863	0.01761	0.0261	0.0192	0.00934
103	486533.18	3855843.15	0.05266	0.01029	0.02736	0.053	0.01772	0.03294	0.02419	0.01029
104	486583.18	3855843.15	0.05149	0.01001	0.02625	0.04911	0.01775	0.03108	0.02279	0.01001
105	486633.18	3855843.15	0.05007	0.00989	0.02567	0.04677	0.01803	0.03002	0.022	0.00989
106	486683.18	3855843.15	0.04875	0.00978	0.02511	0.04468	0.01831	0.02906	0.02129	0.00978
107	486733.18	3855843.15	0.04751	0.00968	0.02455	0.0428	0.01861	0.02818	0.02063	0.00968
108	486783.18	3855843.15	0.04636	0.00957	0.02396	0.04104	0.01893	0.02734	0.02	0.00957
109	486533.18	3855893.15	0.05476	0.01044	0.02767	0.05666	0.01885	0.03447	0.02513	0.01044
110	486583.18	3855893.15	0.05315	0.0103	0.02695	0.05337	0.01912	0.03304	0.02408	0.0103

0.8501011	0.000402508	4.247E-08	0.0042758	0.0075748	0.0074594	0.003919	0.00148192	0.872251
0.83053308	0.000393573	4.173E-08	0.0040289	0.0075167	0.007116	0.003727	0.00144902	0.851866
0.81207269	0.000384638	4.099E-08	0.0038015	0.0074503	0.0067899	0.003547	0.00141613	0.83263
0.7939815	0.000376979	4.034E-08	0.0036011	0.0073922	0.0065012	0.003385	0.00138793	0.81385
0.77607492	0.000370597	3.988E-08	0.0034333	0.0073839	0.0062597	0.003252	0.00136443	0.79541
0.84234773	0.000393999	4.288E-08	0.0040251	0.0078568	0.0070936	0.003687	0.00145059	0.863954
0.82277972	0.000386765	4.238E-08	0.0038136	0.0078154	0.0067974	0.003524	0.00142396	0.843693
0.80413472	0.000379532	4.192E-08	0.0036169	0.0077739	0.0065186	0.003371	0.00139733	0.824397
0.87336119	0.000404636	4.554E-08	0.0042842	0.0082966	0.007437	0.003846	0.00148975	0.89614
0.85250095	0.000396552	4.509E-08	0.0040447	0.0082551	0.0071085	0.003668	0.00145999	0.874514
0.83256373	0.000389318	4.471E-08	0.0038341	0.0082219	0.0068198	0.003509	0.00143336	0.853905
0.75336864	0.000363364	4.487E-08	0.003082	0.0089935	0.0057545	0.002902	0.0013378	0.773126
0.73823112	0.000357407	4.408E-08	0.002959	0.0090267	0.0055728	0.002804	0.00131587	0.757635
0.7230936	0.000351876	4.327E-08	0.0028443	0.0090598	0.0054035	0.002711	0.00129551	0.742169
0.70832528	0.000347621	4.257E-08	0.0027511	0.0091428	0.0052642	0.002636	0.00127984	0.727187
0.77755176	0.000371448	4.722E-08	0.0032274	0.0094996	0.0059661	0.002995	0.00136757	0.798244
0.76149121	0.000365491	4.638E-08	0.0030978	0.0095576	0.0057794	0.002896	0.00134563	0.781842
0.74616909	0.00035996	4.547E-08	0.0029757	0.0095991	0.0056002	0.002798	0.00132527	0.766177
0.73121617	0.000354429	4.459E-08	0.002863	0.0096572	0.0054309	0.002708	0.0013049	0.750925
0.80191947	0.000380383	4.984E-08	0.0033961	0.010072	0.0062075	0.003103	0.00140046	0.823678
0.78567433	0.000372724	4.869E-08	0.0032367	0.0100969	0.005976	0.002981	0.00137226	0.806965
0.76942918	0.000367193	4.775E-08	0.0031072	0.0101633	0.0057893	0.002881	0.0013519	0.790385
0.75429166	0.000360385	4.66E-08	0.0029711	0.0101882	0.0055852	0.002772	0.00132684	0.774841
0.82757942	0.000388467	5.252E-08	0.0035722	0.0106777	0.0064489	0.003207	0.00143023	0.850444
0.81004205	0.00038166	5.132E-08	0.0034035	0.0107191	0.0062125	0.003083	0.00140516	0.832437
0.79324309	0.000375277	5.017E-08	0.0032544	0.0107772	0.0059984	0.002971	0.00138166	0.815238
0.77662874	0.000369746	4.917E-08	0.0031267	0.0108685	0.0058142	0.002874	0.0013613	0.798321
0.85397778	0.000397828	5.533E-08	0.0037754	0.0113414	0.0067252	0.003325	0.00146469	0.878078
0.83533279	0.000390595	5.401E-08	0.0035927	0.0114078	0.0064688	0.003193	0.00143806	0.858947
0.8174262	0.000383787	5.269E-08	0.0034259	0.0114658	0.0062373	0.003074	0.00141299	0.8406
0.80025804	0.000377405	5.144E-08	0.0032796	0.0115488	0.0060308	0.002966	0.0013895	0.823071
0.88037614	0.000408465	5.828E-08	0.0040233	0.0120964	0.0070537	0.003465	0.00150385	0.90592
0.86191575	0.000399105	5.65E-08	0.0037949	0.0121296	0.0067401	0.003307	0.00146939	0.886817
0.84400917	0.000390169	5.473E-08	0.0035871	0.0121462	0.0064514	0.00316	0.00143649	0.868308
0.82462576	0.000385489	5.363E-08	0.0034482	0.0122955	0.0062647	0.003064	0.00141926	0.848664
0.80561155	0.000382511	5.281E-08	0.0033392	0.0125112	0.0061229	0.00299	0.00140829	0.829549
0.78696656	0.000380383	5.214E-08	0.0032479	0.0128016	0.0060034	0.002928	0.00140046	0.810928
0.90880515	0.000418251	6.099E-08	0.0042917	0.0128928	0.0074022	0.003612	0.00153988	0.935883
0.89016015	0.000407189	5.876E-08	0.0040139	0.0129011	0.0070264	0.003423	0.00149915	0.916433
0.87022293	0.000399105	5.703E-08	0.0037987	0.0129675	0.0067376	0.003279	0.00146939	0.895936
0.84899348	0.000395275	5.6E-08	0.0036551	0.0131583	0.006551	0.003186	0.00145529	0.874484
0.82979467	0.000390169	5.473E-08	0.0035088	0.0133326	0.0063543	0.003087	0.00143649	0.855031
0.80930363	0.000388893	5.413E-08	0.0034166	0.0136727	0.0062423	0.00303	0.00143179	0.834622
0.93852638	0.000428888	6.368E-08	0.0046067	0.0137806	0.0078004	0.003782	0.00157904	0.967346
0.9204352	0.000414847	6.077E-08	0.0042535	0.0137308	0.0073275	0.003547	0.00152735	0.948181
0.89643669	0.000410167	5.953E-08	0.0040643	0.0139299	0.0070936	0.003431	0.00151012	0.923856
0.8735458	0.000406338	5.838E-08	0.0038993	0.0141456	0.0068845	0.003328	0.00149602	0.900714
0.85268555	0.000401232	5.706E-08	0.003739	0.0143447	0.0066754	0.003224	0.00147722	0.879593
0.83256373	0.000397403	5.591E-08	0.0036002	0.0146102	0.0064962	0.003134	0.00146312	0.859339
0.9721243	0.000437824	6.562E-08	0.0049394	0.0147015	0.0081987	0.003949	0.00161194	1.002738
0.95052564	0.00042591	6.296E-08	0.0045768	0.0147264	0.0077357	0.00372	0.00156808	0.980142
0.92431188	0.000420804	6.157E-08	0.0043588	0.0149587	0.0074719	0.003591	0.00154928	0.953564
0.89994416	0.000416124	6.022E-08	0.004164	0.015191	0.0072329	0.003475	0.00153205	0.928891
0.87705327	0.000411869	5.888E-08	0.0039888	0.0154399	0.0070139	0.003367	0.00151638	0.905759
0.85582382	0.000407189	5.746E-08	0.0038248	0.0157054	0.0068048	0.003265	0.00149915	0.884331
1.01089112	0.000444206	6.636E-08	0.0052805	0.015639	0.0085795	0.004102	0.00163544	1.043301
0.98116989	0.000438249	6.464E-08	0.0049739	0.015863	0.0082235	0.003931	0.00161351	1.012986

111	486633.18	3855893.15	0.05167	0.01015	0.02624	0.05043	0.0194	0.03173	0.02312	0.01015	0.95384851	0.000431867	6.293E-08	0.0046999	0.0160953	0.0078975	0.003774	0.00159001	0.985157
112	486683.18	3855893.15	0.05024	0.01003	0.02559	0.04796	0.01971	0.03063	0.0223	0.01003	0.92745015	0.000426761	6.137E-08	0.0044697	0.0163525	0.0076237	0.00364	0.00157121	0.958392
113	486733.18	3855893.15	0.04891	0.00992	0.02496	0.04575	0.02003	0.02962	0.02156	0.00992	0.90289782	0.000422081	5.986E-08	0.0042637	0.016618	0.0073723	0.003519	0.00155398	0.933539
114	486783.18	3855893.15	0.04764	0.00983	0.02439	0.04385	0.02042	0.02876	0.02092	0.00983	0.87945312	0.000418251	5.85E-08	0.0040866	0.0169416	0.0071583	0.003415	0.00153988	0.909933
115	486533.18	3855943.15	0.0568	0.01071	0.02789	0.06192	0.02025	0.03671	0.02657	0.01071	1.04855032	0.000455694	6.689E-08	0.0057707	0.0168005	0.009137	0.004337	0.00167773	1.083374
116	486583.18	3855943.15	0.05492	0.0106	0.02725	0.05841	0.02063	0.03528	0.02555	0.0106	1.01384479	0.000451014	6.535E-08	0.0054436	0.0171158	0.0087811	0.00417	0.0016605	1.048146
117	486633.18	3855943.15	0.05335	0.01043	0.02643	0.05474	0.02092	0.03369	0.0244	0.01043	0.98486197	0.00044378	6.339E-08	0.0051015	0.0173564	0.0083853	0.003983	0.00163387	1.018498
118	486683.18	3855943.15	0.05177	0.01032	0.02579	0.05193	0.02132	0.03248	0.02352	0.01032	0.95569455	0.0004391	6.185E-08	0.0048397	0.0176883	0.0080842	0.003839	0.00161664	0.988968
119	486733.18	3855943.15	0.05038	0.01018	0.02507	0.0492	0.02164	0.03125	0.02262	0.01018	0.9300346	0.000433143	6.013E-08	0.0045852	0.0179537	0.007778	0.003692	0.00159471	0.962882
120	486783.18	3855943.15	0.049	0.01008	0.02448	0.04701	0.02207	0.03029	0.02191	0.01008	0.90455926	0.000428888	5.871E-08	0.0043811	0.0183105	0.0075391	0.003576	0.00157904	0.937216
121	486533.18	3855993.15	0.05889	0.01103	0.0278	0.06881	0.02186	0.03956	0.02841	0.01103	1.08713255	0.000469309	6.667E-08	0.0064128	0.0181363	0.0098463	0.004637	0.00172786	1.124907
122	486583.18	3855993.15	0.05692	0.01088	0.02702	0.06409	0.02223	0.03766	0.02708	0.01088	1.05076557	0.000462927	6.48E-08	0.0059729	0.0184432	0.0093734	0.00442	0.00170437	1.087734
123	486633.18	3855993.15	0.05514	0.01072	0.02626	0.05994	0.02262	0.03594	0.02586	0.01072	1.01790607	0.000456119	6.298E-08	0.0055862	0.0187668	0.0089453	0.004221	0.0016793	1.054202
124	486683.18	3855993.15	0.05344	0.0106	0.0256	0.05652	0.02307	0.03452	0.02485	0.0106	0.9865234	0.000451014	6.14E-08	0.0052674	0.0191401	0.0085919	0.004056	0.0016605	1.02237
125	486733.18	3855993.15	0.05192	0.01045	0.02489	0.05332	0.02347	0.03314	0.02385	0.01045	0.95846361	0.000444631	5.969E-08	0.0049692	0.019472	0.0082484	0.003893	0.00163701	0.993854
126	486783.18	3855993.15	0.05046	0.01033	0.02424	0.05059	0.02389	0.03196	0.02299	0.01033	0.93151143	0.000439526	5.814E-08	0.0047148	0.0198205	0.0079547	0.003753	0.00161821	0.966575
127	486533.18	3856043.15	0.06122	0.01136	0.02727	0.07731	0.02358	0.04285	0.03045	0.01136	1.13014526	0.00048335	6.54E-08	0.007205	0.0195633	0.0106652	0.00497	0.00177956	1.171253
128	486583.18	3856043.15	0.059	0.01121	0.02654	0.07157	0.02406	0.04067	0.02898	0.01121	1.08916319	0.000476968	6.365E-08	0.00667	0.0199615	0.0101226	0.00473	0.00175606	1.129369
129	486633.18	3856043.15	0.05708	0.01102	0.02576	0.06627	0.02449	0.03857	0.02753	0.01102	1.05371923	0.000468884	6.178E-08	0.0061761	0.0203183	0.0095999	0.004494	0.0017263	1.09305
130	486683.18	3856043.15	0.0552	0.0109	0.02514	0.06217	0.02503	0.03692	0.02638	0.0109	1.0190137	0.000463778	6.029E-08	0.005794	0.0207663	0.0091893	0.004306	0.0017075	1.057826
131	486733.18	3856043.15	0.05357	0.01073	0.02442	0.05817	0.02549	0.03527	0.02522	0.01073	0.98892326	0.000456545	5.857E-08	0.0054212	0.0211479	0.0087786	0.004117	0.00168087	1.027163
132	486783.18	3856043.15	0.05195	0.01063	0.02384	0.05504	0.02603	0.03399	0.02431	0.01063	0.95901742	0.00045229	5.718E-08	0.0051295	0.0215959	0.00846	0.003968	0.0016652	0.996958
133	486533.18	3856093.15	0.06373	0.01173	0.02649	0.08893	0.02551	0.04711	0.03296	0.01173	1.17648085	0.000499093	6.353E-08	0.0082879	0.0211645	0.0117255	0.00538	0.00183752	1.2217
134	486583.18	3856093.15	0.06133	0.01154	0.02573	0.081	0.02606	0.04427	0.03113	0.01154	1.13217591	0.000491009	6.171E-08	0.0075489	0.0216208	0.0110187	0.005081	0.00180776	1.176129
135	486633.18	3856093.15	0.05917	0.01136	0.02502	0.07436	0.02659	0.0418	0.02949	0.01136	1.09230146	0.00048335	6.001E-08	0.00693	0.0220605	0.0104039	0.004814	0.00177956	1.135213
136	486683.18	3856093.15	0.05714	0.01121	0.02441	0.06896	0.02719	0.03976	0.02812	0.01121	1.05482686	0.000476968	5.854E-08	0.0064268	0.0225583	0.0098961	0.00459	0.00175606	1.097019
137	486733.18	3856093.15	0.05533	0.01104	0.02376	0.06415	0.02777	0.03784	0.02683	0.01104	1.02141355	0.000469735	5.698E-08	0.0059785	0.0230395	0.0094182	0.004379	0.00172943	1.06297
138	486783.18	3856093.15	0.0536	0.01092	0.02318	0.06012	0.02839	0.03626	0.02573	0.01092	0.98947707	0.000464629	5.559E-08	0.0056029	0.0235539	0.009025	0.0042	0.00171063	1.030613
139	486533.18	3856143.15	0.06662	0.01209	0.0254	0.10407	0.02759	0.05235	0.03584	0.01209	1.22983138	0.000514411	6.092E-08	0.0096989	0.0228902	0.0130297	0.00585	0.00189391	1.279921
140	486583.18	3856143.15	0.06397	0.01187	0.02466	0.09293	0.02824	0.04862	0.03359	0.01187	1.18091134	0.00050505	5.914E-08	0.0086607	0.0234295	0.0121014	0.005483	0.00185945	1.229231
141	486633.18	3856143.15	0.06149	0.0117	0.02406	0.08432	0.02892	0.04567	0.03178	0.0117	1.13512957	0.000497817	5.77E-08	0.0078583	0.0239936	0.0113671	0.005187	0.00183282	1.182201
142	486683.18	3856143.15	0.05927	0.01152	0.02348	0.0771	0.0296	0.04307	0.03013	0.01152	1.0941475	0.000490158	5.631E-08	0.0071854	0.0245578	0.01072	0.004918	0.00180462	1.140214
143	486733.18	3856143.15	0.05725	0.01136	0.02291	0.07105	0.03031	0.0408	0.02866	0.01136	1.0568575	0.00048335	5.495E-08	0.0066216	0.0251469	0.010155	0.004678	0.00177956	1.102163
144	486783.18	3856143.15	0.0553	0.01125	0.02244	0.06614	0.03112	0.03896	0.0275	0.01125	1.02085974	0.00047867	5.382E-08	0.006164	0.0258189	0.009697	0.004489	0.00176233	1.065745
145	486533.18	3856193.15	0.06985	0.01249	0.02421	0.12499	0.02994	0.05916	0.03954	0.01249	1.28945845	0.00053143	5.806E-08	0.0116486	0.0248399	0.0147247	0.006454	0.00195657	1.345701
146	486583.18	3856193.15	0.06688	0.01224	0.0235	0.10873	0.03071	0.05408	0.03669	0.01224	1.23463109	0.000520793	5.636E-08	0.0101332	0.0254787	0.0134603	0.005989	0.00191741	1.288296
147	486633.18	3856193.15	0.06409	0.01205	0.02297	0.09676	0.03153	0.05023	0.03448	0.01205	1.18312659	0.000512709	5.509E-08	0.0090176	0.026159	0.0125021	0.005628	0.00188765	1.235059
148	486683.18	3856193.15	0.06152	0.0119	0.02252	0.08741	0.0324	0.04712	0.03265	0.0119	1.13568338	0.000506327	5.401E-08	0.0081463	0.0268808	0.011728	0.005329	0.00186415	1.18641
149	486733.18	3856193.15	0.05932	0.01171	0.02199	0.07946	0.0332	0.04424	0.03086	0.01171	1.09507052	0.000498242	5.274E-08	0.0074053	0.0275446	0.0110112	0.005037	0.00183439	1.144733
150	486783.18	3856193.15	0.05718	0.01159	0.02157	0.07317	0.03416	0.04194	0.02941	0.01159	1.05556527	0.000493137	5.173E-08	0.0068191	0.028341	0.0104387	0.004801	0.00181559	1.104642
151	486533.18	3856243.15	0.07365	0.01289	0.02289	0.15461	0.03254	0.06761	0.04393	0.01289	1.35960795	0.00054845	5.49E-08	0.014409	0.026997	0.0168279	0.007171	0.00201923	1.423542
152	486583.18	3856243.15	0.07011	0.01266	0.02233	0.13057	0.03351	0.06106	0.04055	0.01266	1.29425816	0.000538663	5.355E-08	0.0121686	0.0278018	0.0151976	0.006619	0.0019832	1.354601
153	486633.18	3856243.15	0.06698	0.01244	0.02183	0.11317	0.0345	0.05586	0.03772	0.01244	1.23647713	0.000529303	5.236E-08	0.010547	0.0286231	0.0139034	0.006157	0.00194874	1.294288
154	486683.18	3856243.15	0.06415	0.01226	0.02141	0.10009	0.03549	0.0517	0.03534	0.01226	1.18423421	0.000521644	5.135E-08	0.009328	0.0294445	0.012868	0.005769	0.00192054	1.240244
155	486733.18	3856243.15	0.06158	0.0121	0.02104	0.08988	0.03653	0.04828	0.03331	0.0121	1.136791	0.000514836	5.046E-08	0.0083764	0.0303073	0.0120167	0.005437	0.00189548	1.191548
156	486783.18	3856243.15	0.0593	0.01192	0.02061	0.08155	0.03757	0.04531	0.03147	0.01192	1.09470131	0.000507178	4.943E-08	0.0076001	0.0311702	0.0112775	0.005137	0.00186728	1.148526
157	486533.18	3856293.15	0.07808	0.01333	0.0216	0.20077	0.03547	0.07892	0.04931	0.01333	1.44138749	0.000567171	5.18E-08	0.0187109	0.0294279	0.0196429	0.008049	0.00208816	1.515697
158	486583.18	3856293.15	0.07392	0.01307	0.0211	0.16163	0.03661	0.06977	0.04496	0.01307	1.36459225	0.000556108	5.06E-08	0.0150632	0.0303737	0.0173655	0.007339	0.00204743	1.433242
159	486633.18	3856293.15	0.07027	0.01285	0.02068	0.13552	0.03782	0.06283	0.04144	0.01285	1.29721182	0.000546748	4.96E-08	0.0126299	0.0313776	0.0156382	0.006764	0.00201297	1.362155
160	486683.18	3856293.15	0.06707	0.01264	0.02032	0.11687	0.03904	0.05736	0.03851	0.01264	1.23813856	0.000537813	4.873E-08	0.0108918	0.0323897	0.0142767	0.006286	0.00198007	1.300541
161	486733.18	3856293.15	0.06414	0.01249	0.02003	0.10302	0.04032	0.05304	0.0361	0.01249	1.18404961	0.00053143	4.804E-08	0.009601	0.0334517	0.0132015	0.005893	0.00195657	1.244771
162	486783.18	3856293.15	0.06161	0.0123	0.01967	0.09201	0.04155	0.04932	0.0339	0.0123	1.13734482	0.000523346	4.718E-08	0.008575	0.0344722	0.0122756	0.005533	0.00192681	1.196798
163	486783.18	3856343.15	0.06411	0.01272	0.01882	0.10538	0.04622	0.05423	0.03675	0.01272	1.1834958	0.000541216	4.514E-08	0.009821	0.0383467	0.0134977	0.005999	0.0019926	1.249708
164	486833.18	3856343.15	0.06153	0.01254	0.01852	0.09385	0.04781	0.05036	0.03447	0.01254	1.13586798	0.000533558	4.442E-08	0.0087464	0.0396658	0.0125344	0.005626	0.00196441	1.20101
165	486883.18	3856343.15	0.05919	0.01238	0.01821	0.08466	0.04944	0.04711	0.03248	0.01238	1.09267066	0.00052675	4.367E-08	0.00789	0.0410182	0.0117255	0.005302	0.00193934	1.157193
166	486783.18	3856393.15	0.06709	0.01311	0.01799	0.12267	0.05146	0.06003	0.03986	0.01311	1.23850777	0.00055781	4.315E-08	0.0114323	0.0426941	0.0149413	0.006506	0.0020537	1.312586
167	486833.18	3856393.15	0.06415	0.01292	0.01775	0.10712	0.05346	0.05516	0.03715	0.01292	1.18423421	0.000549726	4.257E-08	0.0099831	0.0443534	0.0137291	0.006064	0.00202393	1.25689

168	486883.18	3856393.15	0.06159	0.01272	0.01745	0.09511	0.05541	0.0511	0.03476	0.01272	1.13697561	0.000541216	4.185E-08	0.0088639	0.0459712	0.0127186	0.005674	0.0019926	1.208752
169	487208.74	3856886.11	0.07215	0.01576	0.01146	0.18347	1.3874	0.08429	0.04669	0.01576	1.33191736	0.000670564	2.748E-08	0.0170986	1.1510638	0.0209795	0.007621	0.00246882	2.526882
170	487258.74	3856886.11	0.0682	0.01546	0.01125	0.14989	1.83938	0.07455	0.04282	0.01546	1.25899881	0.000657799	2.698E-08	0.0139691	1.5260515	0.0185552	0.006989	0.00242183	2.8228
171	487308.74	3856886.11	0.06482	0.01519	0.01102	0.12688	2.08792	0.06712	0.03958	0.01519	1.19660268	0.000646311	2.643E-08	0.0118247	1.732254	0.0167059	0.006461	0.00237953	2.962115
172	487358.74	3856886.11	0.06189	0.01491	0.01082	0.11017	2.2471	0.06128	0.03684	0.01491	1.14251373	0.000634398	2.595E-08	0.0102674	1.8643185	0.0152524	0.006013	0.00233567	3.036664
173	487208.74	3856936.11	0.07717	0.01634	0.01134	0.24367	1.64936	0.10026	0.05171	0.01634	1.42458853	0.000695242	2.72E-08	0.022709	1.3684004	0.0249544	0.008441	0.00255968	2.847228
174	487258.74	3856936.11	0.07228	0.01602	0.01109	0.18753	2.00744	0.08629	0.04695	0.01602	1.33431721	0.000681626	2.66E-08	0.017477	1.6654833	0.0214773	0.007664	0.00250955	3.044591
175	487308.74	3856936.11	0.06823	0.01574	0.01084	0.15258	2.24421	0.0761	0.04302	0.01574	1.25955262	0.000669713	2.6E-08	0.0142198	1.8619208	0.018941	0.007022	0.00246569	3.15986
176	487358.74	3856936.11	0.06481	0.01545	0.01062	0.12882	2.4162	0.0684	0.03975	0.01545	1.19641807	0.000657374	2.547E-08	0.0120055	2.0046133	0.0170245	0.006488	0.00242026	3.234787
177	487208.74	3856986.11	0.08387	0.01696	0.01133	0.36025	1.48046	0.12475	0.05804	0.01696	1.54827316	0.000721622	2.717E-08	0.0335738	1.2282716	0.0310499	0.009474	0.0026568	2.848707
178	487258.74	3856986.11	0.07742	0.01666	0.01107	0.25012	1.86547	0.10298	0.05201	0.01666	1.42920363	0.000708857	2.655E-08	0.0233101	1.5476972	0.0256314	0.00849	0.00260981	3.032431
179	487308.74	3856986.11	0.07243	0.01631	0.01076	0.19156	2.15315	0.08834	0.04721	0.01631	1.33708627	0.000693965	2.581E-08	0.0178526	1.7863724	0.0219875	0.007706	0.00255498	3.169144
180	487358.74	3856986.11	0.06827	0.01603	0.01053	0.15515	2.34602	0.07769	0.04324	0.01603	1.26029103	0.000682052	2.525E-08	0.0144593	1.946388	0.0193368	0.007058	0.00251112	3.245704
181	487208.74	3857036.11	0.09361	0.01763	0.01142	0.64884	1.00383	0.16639	0.06629	0.01763	1.72807739	0.000750129	2.739E-08	0.0604692	0.8328329	0.0414139	0.01082	0.00276176	2.671602
182	487258.74	3857036.11	0.08446	0.01728	0.01111	0.37373	1.48207	0.12903	0.05845	0.01728	1.5591648	0.000735237	2.665E-08	0.0348301	1.2296073	0.0321151	0.009541	0.00270693	2.863286
183	487308.74	3857036.11	0.07776	0.01696	0.0108	0.25662	1.87418	0.10584	0.05232	0.01696	1.43548016	0.000721622	2.59E-08	0.0239159	1.5549235	0.0263432	0.00854	0.0026568	3.047268
184	487358.74	3857036.11	0.07258	0.01664	0.01053	0.1951	2.15116	0.09038	0.04743	0.01664	1.33985533	0.000708006	2.525E-08	0.0181825	1.7847214	0.0224953	0.007742	0.00260668	3.171098
185	487427.14	3856878.23	0.05799	0.01454	0.01077	0.09184	2.23315	0.05428	0.03333	0.01454	1.07051819	0.000618655	2.583E-08	0.0085591	1.8527448	0.0135101	0.00544	0.00227771	2.949114
186	487477.14	3856878.23	0.05575	0.01432	0.01077	0.08303	2.21594	0.05075	0.03141	0.01432	1.02916691	0.000609294	2.583E-08	0.0077381	1.8384665	0.0126315	0.005127	0.00224325	2.891496
187	487527.14	3856878.23	0.05375	0.0141	0.01077	0.07585	2.06931	0.04775	0.02973	0.0141	0.99224613	0.000599933	2.583E-08	0.0070689	1.7168141	0.0118848	0.004853	0.00220878	2.731258
188	487427.14	3856928.23	0.06037	0.01503	0.01054	0.10417	2.53705	0.05951	0.03564	0.01503	1.11445393	0.000639503	2.528E-08	0.0097082	2.1048771	0.0148118	0.005817	0.00235447	3.247954
189	487477.14	3856928.23	0.05791	0.01477	0.01053	0.09286	2.58738	0.05515	0.03344	0.01477	1.06904136	0.000628441	2.525E-08	0.0086542	2.1466337	0.0137266	0.005458	0.00231374	3.241829
190	487527.14	3856928.23	0.05567	0.01454	0.01053	0.08384	2.54879	0.05152	0.03151	0.01454	1.02769008	0.000618655	2.525E-08	0.0078135	2.1146173	0.0128232	0.005143	0.00227771	3.166428
191	487577.14	3856928.23	0.05364	0.01432	0.0105	0.07651	2.53337	0.04845	0.02981	0.01432	0.99021548	0.000609294	2.518E-08	0.0071304	2.101824	0.012059	0.004866	0.00224325	3.114461
192	487627.14	3856928.23	0.05182	0.01409	0.01042	0.07046	2.38697	0.04582	0.0283	0.01409	0.95661757	0.000599508	2.499E-08	0.0065666	1.9803624	0.0114044	0.004619	0.00220722	2.957963
193	487677.14	3856928.23	0.0501	0.0139	0.01033	0.06535	2.3014	0.04357	0.02694	0.0139	0.92486569	0.000591424	2.477E-08	0.0060903	1.9093688	0.0108444	0.004397	0.00217745	2.853981
194	487727.14	3856928.23	0.04851	0.01373	0.01025	0.06099	2.27869	0.0416	0.02572	0.01373	0.89551367	0.00058419	2.458E-08	0.005684	1.8905274	0.0103541	0.004198	0.00215082	2.804711
195	487777.14	3856928.23	0.04706	0.01354	0.01019	0.05726	2.29101	0.03984	0.02462	0.01354	0.8687461	0.000576106	2.444E-08	0.0053364	1.9007487	0.009916	0.004019	0.00212106	2.787221
196	487427.14	3856978.23	0.06317	0.01554	0.0104	0.12046	2.55813	0.06606	0.03838	0.01554	1.16614303	0.000661203	2.494E-08	0.0112264	2.1223662	0.0164421	0.006265	0.00243436	3.320669
197	487477.14	3856978.23	0.06033	0.01528	0.01039	0.10537	2.6485	0.06055	0.03579	0.01528	1.11371551	0.00065014	2.492E-08	0.00982	2.1973422	0.0150707	0.005842	0.00239363	3.340047
198	487527.14	3856978.23	0.05782	0.01504	0.01038	0.09377	2.7176	0.05606	0.03355	0.01504	1.06737993	0.000639929	2.489E-08	0.008739	2.2546714	0.0139531	0.005476	0.00235603	3.348504
199	487577.14	3856978.23	0.05558	0.0148	0.01033	0.08459	2.78106	0.05235	0.0316	0.0148	1.02602865	0.000629717	2.477E-08	0.0078834	2.3073213	0.0130297	0.005158	0.00231844	3.357732
200	487627.14	3856978.23	0.05357	0.01454	0.01023	0.07716	2.82879	0.04921	0.02989	0.01454	0.98892326	0.000618655	2.454E-08	0.007191	2.3469208	0.0122482	0.004879	0.00227771	3.358503
201	487677.14	3856978.23	0.0517	0.01434	0.01013	0.07099	2.83288	0.04655	0.02836	0.01434	0.95440232	0.000610145	2.43E-08	0.006616	2.3503141	0.0115861	0.004629	0.00224638	3.325911
202	487727.14	3856978.23	0.05007	0.01406	0.01002	0.06585	2.85523	0.0442	0.02702	0.01406	0.92431188	0.000598231	2.403E-08	0.0061369	2.3688569	0.0110012	0.00441	0.00220252	3.313113
203	487777.14	3856978.23	0.04838	0.01396	0.01003	0.06141	2.76913	0.04223	0.02576	0.01396	0.89311382	0.000593976	2.406E-08	0.0057232	2.2974235	0.0105109	0.004205	0.00218685	3.209383
204	487427.14	3857028.23	0.06641	0.01612	0.01038	0.14284	2.44246	0.07446	0.04156	0.01612	1.2259547	0.000685881	2.489E-08	0.0133121	2.0264	0.0185328	0.006784	0.00252522	3.289144
205	487477.14	3857028.23	0.06314	0.01584	0.01036	0.12187	2.57685	0.06729	0.0385	0.01584	1.16558922	0.000673968	2.485E-08	0.0113578	2.1378974	0.0167483	0.006284	0.00248136	3.33607
206	487527.14	3857028.23	0.06031	0.01555	0.01032	0.10648	2.68694	0.06163	0.0359	0.01555	1.1133463	0.000661629	2.475E-08	0.0099235	2.2292342	0.0153395	0.00586	0.00243593	3.371929
207	487577.14	3857028.23	0.05778	0.0153	0.01025	0.09466	2.77	0.05704	0.03364	0.0153	1.06664151	0.000650991	2.458E-08	0.0088219	2.2981453	0.0141971	0.005491	0.00239676	3.391551
208	487627.14	3857028.23	0.05556	0.01501	0.01012	0.08537	2.84685	0.05323	0.03169	0.01501	1.02565944	0.000638652	2.427E-08	0.0079561	2.3619043	0.0132488	0.005173	0.00235133	3.412229
209	487677.14	3857028.23	0.0535	0.01479	0.01	0.07778	2.88386	0.05003	0.02996	0.01479	0.98763103	0.000629292	2.398E-08	0.0072488	2.3926099	0.0124523	0.00489	0.00231687	3.403145
210	487727.14	3857028.23	0.05159	0.0146	0.00994	0.07151	2.88861	0.04734	0.02842	0.0146	0.95237168	0.000621207	2.384E-08	0.0066644	2.3965507	0.0117828	0.004639	0.00228711	3.370343
211	487777.14	3857028.23	0.04987	0.01439	0.00994	0.06628	2.87235	0.04498	0.02704	0.01439	0.9206198	0.000612272	2.384E-08	0.006177	2.3830606	0.0111954	0.004414	0.00225421	3.323825
212	487427.14	3857078.23	0.0704	0.01674	0.01045	0.17549	2.24738	0.08574	0.04539	0.01674	1.29961167	0.000712261	2.506E-08	0.0163549	1.8645508	0.0213404	0.007409	0.00262234	3.207357
213	487477.14	3857078.23	0.06651	0.01641	0.01042	0.14471	2.43205	0.07605	0.04172	0.01641	1.22780074	0.00069822	2.499E-08	0.0134864	2.0177633	0.0189286	0.00681	0.00257065	3.282916
214	487527.14	3857078.23	0.06319	0.01612	0.01037	0.12323	2.5711	0.06863	0.03863	0.01612	1.16651224	0.000685881	2.487E-08	0.0114845	2.1331269	0.0170818	0.006306	0.00252522	3.332672
215	487577.14	3857078.23	0.06031	0.01583	0.01025	0.10752	2.68236	0.0628	0.03601	0.01583	1.1133463	0.000673542	2.458E-08	0.0100204	2.2254343	0.0156307	0.005878	0.00247979	3.368503
216	487627.14	3857078.23	0.05779	0.01554	0.0101	0.09555	2.77346	0.05809	0.03375	0.01554	1.06682611	0.000661203	2.422E-08	0.0089049	2.3010159	0.0144584	0.005509	0.00243436	3.394941
217	487677.14	3857078.23	0.0555	0.0153	0.00998	0.08605	2.83374	0.0542	0.03177	0.0153	1.02455181	0.000650991	2.394E-08	0.0080195	2.3510276	0.0134902	0.005186	0.00239676	3.400529
218	487727.14	3857078.23	0.05342	0.01507	0.00993	0.07836	2.86764	0.05094	0.03003	0.01507	0.9861542	0.000641205	2.382E-08	0.0073028	2.3791529	0.0126788	0.004902	0.00236073	3.388471
219	487777.14	3857078.23	0.05156	0.01483	0.00996	0.07206	2.88573	0.04814	0.02848	0.01483	0.95181787	0.000630994	2.389E-08	0.0067157	2.3941613	0.0119819	0.004649	0.00232314	3.367633
220	487427.14	3857128.23	0.07547	0.01741	0.01062	0.22695	1.96826	0.10171	0.05007	0.01741	1.39320586	0.000740769	2.547E-08	0.0211508	1.6329774	0.0253153	0.008173	0.0027273	3.078836
221	487477.14	3857128.23	0.07064	0.01704	0.01058	0.17812	2.21895	0.08791	0.04561	0.01704	1.30404216	0.000725026	2.537E-08	0.0166	1.8409637	0.0218805	0.007445	0.00266934	3.188987
222	487527.14	3857128.23	0.06668	0.0167	0.01049	0.14664	2.40884	0.07782	0.04192	0.0167	1.23093901	0.000710559	2.516E-08	0.0136662	1.998507	0.0193691	0.006843	0.00261608	3.267418
223	487577.14	3857128.23	0.0633	0.0164	0.01035	0.12469	2.55055	0.07012	0.0388	0.0164	1.16854288	0.000697795	2.482E-08	0.0116206	2.1160775	0.0174526	0.006333	0.00256908	3.318156
224	487627.14	3857128.23	0.06036	0.01611	0.01018	0.10863	2.65955	0.06409	0.03614	0.01611	1.11426932	0.000685456	2.442E-08	0.0101239	2.2065099	0.0159518	0.005899	0.00252365	3.350916

225	487677.14	3857128.23	0.05781	0.01582	0.01005	0.09647	2.75089	0.05923	0.03387	0.01582	1.06719532	0.000673117	2.41E-08	0.0089906	2.2822906	0.0147421	0.005529	0.00247822	3.376942
226	487727.14	3857128.23	0.05547	0.01559	0.01004	0.08677	2.80019	0.05524	0.03185	0.01559	1.023998	0.00066333	2.408E-08	0.0080866	2.3231926	0.013749	0.005199	0.00244219	3.372446
227	487777.14	3857128.23	0.05341	0.01533	0.0101	0.07905	2.84112	0.0519	0.03011	0.01533	0.98596959	0.000652268	2.422E-08	0.0073671	2.3571504	0.0129177	0.004915	0.00240146	3.366571
228	488049.44	3856539.39	0.03553	0.01062	0.0113	0.03196	0.14282	0.02473	0.01612	0.01062	0.65589776	0.000451865	2.71E-08	0.0029785	0.1184914	0.0061552	0.002631	0.00166364	0.784942
229	488099.44	3856539.39	0.03491	0.0105	0.0112	0.03111	0.14508	0.02421	0.01576	0.0105	0.64445232	0.000446759	2.686E-08	0.0028993	0.1203664	0.0060258	0.002572	0.00164484	0.775118
230	488149.44	3856539.39	0.03428	0.0104	0.01112	0.03033	0.14751	0.02376	0.01541	0.0104	0.63282227	0.000442504	2.667E-08	0.0028266	0.1223825	0.0059138	0.002515	0.00162917	0.765274
231	488049.44	3856589.39	0.03605	0.01085	0.01118	0.03304	0.18717	0.02551	0.01651	0.01085	0.66549717	0.000461651	2.681E-08	0.0030792	0.1552866	0.0063494	0.002695	0.00169967	0.831669
232	488099.44	3856589.39	0.0354	0.01073	0.0111	0.03212	0.18929	0.02497	0.01612	0.01073	0.65349791	0.000456545	2.662E-08	0.0029935	0.1570455	0.0062149	0.002631	0.00168087	0.821159
233	488149.44	3856589.39	0.03476	0.01062	0.01101	0.03127	0.19061	0.02448	0.01576	0.01062	0.64168326	0.000451865	2.641E-08	0.0029142	0.1581406	0.006093	0.002572	0.00166364	0.810192
234	488199.44	3856589.39	0.03417	0.0105	0.0109	0.03048	0.19126	0.02402	0.01541	0.0105	0.63079163	0.000446759	2.614E-08	0.0028406	0.1586799	0.0059785	0.002515	0.00164484	0.799608
235	488249.44	3856589.39	0.03351	0.01045	0.01081	0.02975	0.19119	0.02365	0.01509	0.01045	0.61860777	0.000444631	2.593E-08	0.0027726	0.1586218	0.0058864	0.002463	0.00163701	0.787159
236	488049.44	3856639.39	0.03662	0.01108	0.01108	0.03422	0.25597	0.02635	0.01693	0.01108	0.67601959	0.000471437	2.657E-08	0.0031892	0.2123669	0.0065584	0.002763	0.0017357	0.899633
237	488099.44	3856639.39	0.03593	0.01096	0.01102	0.03322	0.2553	0.02577	0.01652	0.01096	0.66328192	0.000466331	2.643E-08	0.003096	0.211811	0.0064141	0.002697	0.0017169	0.886049
238	488149.44	3856639.39	0.03527	0.01084	0.01094	0.0323	0.25297	0.02524	0.01613	0.01084	0.65109806	0.000461225	2.624E-08	0.0030102	0.2098779	0.0062822	0.002633	0.0016981	0.871664
239	488199.44	3856639.39	0.03461	0.01075	0.01085	0.03144	0.24947	0.02478	0.01577	0.01075	0.6389142	0.000457396	2.602E-08	0.0029301	0.2069741	0.0061677	0.002574	0.001684	0.856334
240	488249.44	3856639.39	0.03399	0.01065	0.01074	0.03065	0.24545	0.02434	0.01542	0.01065	0.62746876	0.000453141	2.576E-08	0.0028565	0.2036389	0.0060581	0.002517	0.00166834	0.841324
241	488299.44	3856639.39	0.03338	0.01056	0.01064	0.0299	0.24104	0.02392	0.01509	0.01056	0.61620792	0.000449312	2.552E-08	0.0027866	0.1999801	0.0059536	0.002463	0.00165424	0.826186
242	488349.44	3856639.39	0.03283	0.01045	0.01057	0.02921	0.23648	0.02351	0.01478	0.01045	0.6060547	0.000444631	2.535E-08	0.0027223	0.1961969	0.0058516	0.002413	0.00163701	0.812046
243	488399.44	3856639.39	0.03224	0.01038	0.0106	0.02857	0.23133	0.02316	0.01449	0.01038	0.59516307	0.000441653	2.542E-08	0.0026626	0.1919242	0.0057644	0.002365	0.00162604	0.796695
244	488099.44	3856689.39	0.03647	0.01121	0.01096	0.03441	0.35817	0.02664	0.01694	0.01121	0.67325053	0.000476968	2.629E-08	0.0032069	0.2971577	0.0066306	0.002765	0.00175606	0.981732
245	488149.44	3856689.39	0.03579	0.01108	0.01089	0.03341	0.34349	0.02608	0.01653	0.01108	0.66069747	0.000471437	2.612E-08	0.0031137	0.2849783	0.0064912	0.002698	0.0017357	0.956715
246	488199.44	3856689.39	0.03511	0.01098	0.01081	0.03248	0.32921	0.02558	0.01614	0.01098	0.6481444	0.000467182	2.593E-08	0.003027	0.2731308	0.0063668	0.002635	0.00172003	0.932051
247	488249.44	3856689.39	0.03448	0.01086	0.01072	0.03162	0.31648	0.02509	0.01577	0.01086	0.63651435	0.000462076	2.571E-08	0.0029469	0.2625693	0.0062448	0.002574	0.00170123	0.90961
248	488299.44	3856689.39	0.03383	0.01079	0.01067	0.03082	0.3042	0.02466	0.01543	0.01079	0.6245151	0.000459098	2.559E-08	0.0028723	0.2523812	0.0061378	0.002519	0.00169027	0.887194
249	488349.44	3856689.39	0.03325	0.01068	0.01066	0.03007	0.29332	0.02422	0.0151	0.01068	0.61380807	0.000454418	2.557E-08	0.0028024	0.2433545	0.0060283	0.002465	0.00167304	0.867239
250	488399.44	3856689.39	0.03273	0.01054	0.01071	0.02937	0.28344	0.02379	0.01478	0.01054	0.60420866	0.000448461	2.569E-08	0.0027372	0.2351575	0.0059213	0.002413	0.0016511	0.849234
251	488099.44	3856739.39	0.03704	0.01148	0.0109	0.0357	0.50386	0.0276	0.01739	0.01148	0.68377296	0.000488456	2.614E-08	0.0033271	0.4180301	0.0068695	0.002839	0.00179836	1.113528
252	488149.44	3856739.39	0.03635	0.01133	0.01084	0.03461	0.46182	0.02698	0.01695	0.01133	0.67103529	0.000482074	2.6E-08	0.0032255	0.3831514	0.0067152	0.002767	0.00177486	1.065601
253	488199.44	3856739.39	0.03561	0.01124	0.0108	0.0336	0.42729	0.02645	0.01654	0.01124	0.6573746	0.000478245	2.59E-08	0.0031314	0.3545034	0.0065833	0.0027	0.00176076	1.02301
254	488249.44	3856739.39	0.03496	0.01111	0.01075	0.03267	0.40043	0.02592	0.01615	0.01111	0.64537534	0.000472713	2.578E-08	0.0030447	0.3322189	0.0064514	0.002636	0.0017404	0.988459
255	488299.44	3856739.39	0.03438	0.01096	0.01073	0.0318	0.37853	0.02538	0.01578	0.01096	0.63466831	0.000466331	2.573E-08	0.0029636	0.3140494	0.006317	0.002576	0.0017169	0.959324
256	488349.44	3856739.39	0.03371	0.0109	0.01084	0.031	0.35774	0.02498	0.01543	0.0109	0.62229985	0.000463778	2.6E-08	0.0028891	0.2968009	0.0062174	0.002519	0.0017075	0.929482
257	488399.44	3856739.39	0.03307	0.01084	0.01101	0.03025	0.33944	0.0246	0.0151	0.01084	0.6104852	0.000461225	2.641E-08	0.0028192	0.2816182	0.0061229	0.002465	0.0016981	0.902273
258	487999.44	3856789.39	0.0394	0.01196	0.01079	0.03988	0.95073	0.03011	0.01894	0.01196	0.72733949	0.00050888	2.588E-08	0.0037167	0.7887782	0.0074943	0.003092	0.00187355	1.529056
259	488049.44	3856789.39	0.03854	0.01183	0.0108	0.03843	0.77529	0.02931	0.01839	0.01183	0.71146355	0.000503348	2.59E-08	0.0035815	0.6432235	0.0072952	0.003002	0.00185318	1.367216
260	488099.44	3856789.39	0.03769	0.01174	0.01081	0.03712	0.6634	0.02861	0.01788	0.01174	0.69577221	0.000499519	2.593E-08	0.0034594	0.5503934	0.0071209	0.002919	0.00183909	1.258325
261	488149.44	3856789.39	0.03693	0.0116	0.01078	0.03592	0.58882	0.02795	0.01741	0.0116	0.68174232	0.000493562	2.585E-08	0.0033476	0.4885177	0.0069567	0.002842	0.00181715	1.182082
262	488199.44	3856789.39	0.03619	0.01149	0.01078	0.03482	0.53281	0.02735	0.01697	0.01149	0.66808162	0.000488882	2.585E-08	0.0032451	0.4420487	0.0068073	0.00277	0.00179992	1.121642
263	488249.44	3856789.39	0.0355	0.01136	0.0108	0.03381	0.4901	0.02679	0.01655	0.01136	0.65534395	0.00048335	2.59E-08	0.003151	0.4066141	0.0066679	0.002701	0.00177956	1.073182
264	488299.44	3856789.39	0.03487	0.01122	0.01089	0.03287	0.4562	0.02624	0.01616	0.01122	0.64371391	0.000477394	2.612E-08	0.0030633	0.3784888	0.006531	0.002638	0.00175763	1.033155
265	488349.44	3856789.39	0.03417	0.01116	0.0111	0.032	0.42545	0.02581	0.01578	0.01116	0.63079163	0.000474841	2.662E-08	0.0029823	0.3529769	0.006424	0.002576	0.00174823	0.994477
266	488399.44	3856789.39	0.03353	0.01107	0.01131	0.03119	0.39961	0.02539	0.01543	0.01107	0.61897698	0.000471011	2.713E-08	0.0029068	0.3315386	0.0063195	0.002519	0.00173413	0.960997
267	487949.44	3856839.39	0.04114	0.01239	0.01061	0.04347	1.45554	0.0323	0.02019	0.01239	0.75946057	0.000527175	2.545E-08	0.0040512	1.2075966	0.0080394	0.003296	0.00194091	1.98103
268	487999.44	3856839.39	0.04017	0.01225	0.01065	0.04171	1.15047	0.03135	0.01955	0.01225	0.74155399	0.000521219	2.554E-08	0.0038872	0.9544936	0.0078029	0.003191	0.00191898	1.709531
269	488049.44	3856839.39	0.03927	0.01211	0.01068	0.04011	0.94618	0.03048	0.01896	0.01211	0.72493963	0.000515262	2.561E-08	0.0037381	0.7850033	0.0075864	0.003095	0.00189705	1.52298
270	488099.44	3856839.39	0.03839	0.01199	0.01069	0.03867	0.80769	0.0297	0.01842	0.01199	0.70869449	0.000510156	2.564E-08	0.0036039	0.6701043	0.0073922	0.003007	0.00187825	1.391434
271	488149.44	3856839.39	0.03757	0.01187	0.01072	0.03735	0.70914	0.029	0.01791	0.01187	0.69355697	0.00050505	2.571E-08	0.0034809	0.5883418	0.007218	0.002923	0.00185945	1.294167
272	488199.44	3856839.39	0.03678	0.01176	0.01079	0.03614	0.63571	0.02835	0.01743	0.01176	0.67897326	0.00050037	2.588E-08	0.0033681	0.5274202	0.0070562	0.002845	0.00184222	1.218321
273	487949.44	3856889.39	0.04205	0.01268	0.01044	0.0457	1.66288	0.03374	0.02091	0.01268	0.77625953	0.000539514	2.504E-08	0.0042591	1.3796173	0.0083978	0.003413	0.00198634	2.1705
274	487999.44	3856889.39	0.04099	0.01257	0.01051	0.04373	1.32161	0.03272	0.02022	0.01257	0.75669151	0.000534834	2.521E-08	0.0040755	1.0964808	0.0081439	0.0033	0.00196911	1.867258
275	488049.44	3856889.39	0.04007	0.01239	0.01054	0.04197	1.09888	0.03174	0.01959	0.01239	0.73970795	0.000527175	2.528E-08	0.0039114	0.9116917	0.0079	0.003198	0.00194091	1.664995
276	488099.44	3856889.39	0.03913	0.01228	0.01059	0.04037	0.93822	0.03091	0.01899	0.01228	0.72235518	0.000522495	2.54E-08	0.0037623	0.7783992	0.0076934	0.0031	0.00192368	1.513909
277	488635.86	3857895.05	0.05333	0.02125	0.05649	0.08222	0.10383	0.07855	0.02878	0.02125	0.98449276	0.000904155	1.355E-07	0.0076626	0.0861431	0.0195508	0.004698	0.00332884	1.100122
278	489137.64	3857804.15	0.04051	0.01598	0.03546	0.04799	0.11643	0.04612	0.01839	0.01598	0.74783052	0.000679924	8.505E-08	0.0044725	0.0965968	0.0114791	0.003002	0.00250329	0.861557
279	488617.32	3857859.41	0.05223	0.0207	0.05549	0.07918	0.12376	0.07633	0.0282	0.0207	0.96418633	0.000880753	1.331E-07	0.0073792	0.1026781	0.0189983	0.004603	0.00324268	1.095483
280	488667.32	3857859.41	0.05067	0.0202	0.05298	0.07404	0.12107	0.07187	0.02688	0.0202	0.93538812	0.000859479	1.271E-07	0.0069002	0.1004464	0.0178882	0.004388	0.00316435	1.062706
281	488717.32	3857859.41	0.04929	0.01973	0.05065	0.06974	0.11849	0.06799	0.02569	0.01973	0.90991277	0.000839481	1.215E-07	0.0064995	0.0983059	0.0169225	0.004193	0.00309073	1.033583

282	488767.32	3857859.41	0.04804	0.01933	0.0486	0.06611	0.11568	0.06469	0.02464	0.01933	0.88683728	0.000822462	1.166E-07	0.0061612	0.0959745	0.0161011	0.004022	0.00302807	1.006891
283	488617.32	3857909.41	0.05474	0.02175	0.05817	0.08695	0.09768	0.0822	0.0298	0.02175	1.01052192	0.000925429	1.395E-07	0.0081034	0.0810407	0.0204593	0.004864	0.00340716	1.122508
284	488667.32	3857909.41	0.05297	0.02128	0.0554	0.08054	0.0963	0.077	0.02839	0.02128	0.97784702	0.000905431	1.329E-07	0.007506	0.0798958	0.019165	0.004634	0.00333354	1.08662
285	488717.32	3857909.41	0.05157	0.0207	0.05258	0.07548	0.09548	0.07248	0.02699	0.0207	0.95200247	0.000880753	1.261E-07	0.0070344	0.0792155	0.01804	0.004406	0.00324268	1.058336
286	488767.32	3857909.41	0.05029	0.02025	0.05021	0.07115	0.09417	0.06864	0.02583	0.02025	0.92837317	0.000861606	1.204E-07	0.0066309	0.0781286	0.0170843	0.004216	0.00317219	1.032123
287	488417.32	3857959.41	0.06968	0.02564	0.07577	0.1614	0.07782	0.13113	0.04109	0.02564	1.28632019	0.001090942	1.817E-07	0.0150418	0.0645638	0.0326378	0.006707	0.00401654	1.402345
288	488467.32	3857959.41	0.06576	0.02491	0.07101	0.13687	0.07864	0.11616	0.03819	0.02491	1.21395545	0.001059882	1.703E-07	0.0127557	0.0652441	0.0289118	0.006234	0.00390218	1.324259
289	488517.32	3857959.41	0.06254	0.02424	0.06674	0.11936	0.07888	0.10473	0.03575	0.02424	1.15451298	0.001031375	1.601E-07	0.0111239	0.0654432	0.0260669	0.005835	0.00379723	1.260217
290	488567.32	3857959.41	0.05986	0.02361	0.06291	0.10632	0.07872	0.0957	0.03359	0.02361	1.10503913	0.001004569	1.509E-07	0.0099086	0.0653105	0.0238194	0.005483	0.00369854	1.206867
291	488617.32	3857959.41	0.05764	0.02297	0.05937	0.09637	0.07845	0.08836	0.03167	0.02297	1.06405706	0.000977338	1.424E-07	0.0089813	0.0650865	0.0219925	0.005169	0.00359828	1.162666
292	488667.32	3857959.41	0.05578	0.02237	0.05616	0.08851	0.0781	0.08226	0.02999	0.02237	1.02972072	0.000951809	1.347E-07	0.0082488	0.0647961	0.0204742	0.004895	0.00350429	1.125583
293	488717.32	3857959.41	0.05423	0.02182	0.0533	0.08215	0.07761	0.07712	0.02853	0.02182	1.00110711	0.000928407	1.278E-07	0.007656	0.0643896	0.0191949	0.004657	0.00341813	1.094515
294	488767.32	3857959.41	0.05302	0.02128	0.05066	0.07701	0.0772	0.07269	0.02719	0.02128	0.97877004	0.000905431	1.215E-07	0.007177	0.0640494	0.0180923	0.004438	0.00333354	1.070099
295	488417.32	3858009.41	0.07582	0.02736	0.07577	0.20215	0.06349	0.14967	0.04485	0.02736	1.399667	0.001164126	1.817E-07	0.0188395	0.0526748	0.0372524	0.007321	0.00428598	1.512633
296	488467.32	3858009.41	0.07077	0.02655	0.07078	0.1642	0.06432	0.12959	0.04145	0.02655	1.30644202	0.001129662	1.698E-07	0.0153028	0.0533634	0.0322545	0.006766	0.00415909	1.411099
297	488517.32	3858009.41	0.06682	0.02578	0.06632	0.13905	0.06469	0.11503	0.03854	0.02578	1.23352346	0.001096899	1.591E-07	0.0129589	0.0536704	0.0286306	0.006291	0.00403847	1.332133
298	488567.32	3858009.41	0.06366	0.02507	0.06235	0.12121	0.0647	0.10393	0.03606	0.02507	1.17518862	0.00106669	1.495E-07	0.0112963	0.0536787	0.0258678	0.005886	0.00392725	1.269057
299	488617.32	3858009.41	0.06115	0.02433	0.05866	0.1082	0.06469	0.09516	0.03382	0.02433	1.12885303	0.001035204	1.407E-07	0.0100838	0.0536704	0.023685	0.00552	0.00381132	1.219037
300	488667.32	3858009.41	0.05915	0.02363	0.05535	0.09818	0.06458	0.088	0.03187	0.02363	1.09193225	0.00100542	1.327E-07	0.00915	0.0535791	0.0219029	0.005202	0.00370167	1.17907
301	488717.32	3858009.41	0.05761	0.02301	0.05242	0.09026	0.06439	0.08204	0.0302	0.02301	1.06350324	0.00097904	1.257E-07	0.0084119	0.0534215	0.0204195	0.00493	0.00360454	1.14806
302	488767.32	3858009.41	0.05661	0.02242	0.04977	0.08395	0.06422	0.07699	0.02871	0.02242	1.04504285	0.000953936	1.194E-07	0.0078238	0.0532805	0.0191625	0.004686	0.00351212	1.127438
303	488417.32	3858059.41	0.08427	0.0294	0.07263	0.2698	0.05342	0.17765	0.04951	0.0294	1.55565732	0.001250925	1.742E-07	0.0251442	0.0443202	0.0442165	0.008081	0.00460555	1.674065
304	488467.32	3858059.41	0.07737	0.02845	0.06783	0.20542	0.05423	0.14812	0.04537	0.02845	1.42828061	0.001210504	1.627E-07	0.0191443	0.0449922	0.0368666	0.007406	0.00445673	1.533443
305	488517.32	3858059.41	0.07231	0.02755	0.06353	0.16687	0.05466	0.12834	0.04187	0.02755	1.33487102	0.00117221	1.524E-07	0.0155516	0.045349	0.0319434	0.006834	0.00431574	1.431406
306	488567.32	3858059.41	0.06846	0.02672	0.05971	0.14133	0.05475	0.11405	0.03895	0.02672	1.26379851	0.001136895	1.432E-07	0.0131714	0.0454236	0.0283867	0.006358	0.00418572	1.354089
307	488617.32	3858059.41	0.06554	0.02593	0.05627	0.12338	0.05466	0.1032	0.0364	0.02593	1.20989416	0.001103282	1.35E-07	0.0114985	0.045349	0.0256861	0.005942	0.00406197	1.295411
308	488667.32	3858059.41	0.06345	0.02513	0.0531	0.11025	0.05459	0.09461	0.03412	0.02513	1.17131194	0.001069243	1.274E-07	0.0102748	0.0452909	0.0235481	0.005569	0.00393665	1.253128
309	488417.32	3858109.41	0.09761	0.0316	0.06695	0.41094	0.04618	0.22876	0.05483	0.0316	1.80191897	0.001344531	1.606E-07	0.0382979	0.0383135	0.0569376	0.00895	0.00495018	1.940812
310	488467.32	3858109.41	0.08698	0.03055	0.06279	0.2777	0.0469	0.17797	0.0499	0.03055	1.60568499	0.001299855	1.506E-07	0.0258805	0.0389108	0.0442961	0.008145	0.00478569	1.719432
311	488517.32	3858109.41	0.07985	0.02957	0.05906	0.21015	0.04727	0.14777	0.04585	0.02957	1.47406238	0.001258158	1.416E-07	0.0195851	0.0392178	0.0367795	0.007484	0.00463218	1.573755
312	488567.32	3858109.41	0.0749	0.0286	0.05564	0.17042	0.0474	0.12786	0.04231	0.0286	1.38268344	0.001216886	1.334E-07	0.0158824	0.0393257	0.0318239	0.006906	0.00448022	1.473358
313	488617.32	3858109.41	0.0715	0.02771	0.05259	0.1443	0.0473	0.11358	0.03928	0.02771	1.3199181	0.001179018	1.261E-07	0.0134482	0.0392427	0.0282697	0.006412	0.00434081	1.404129
314	488667.32	3858109.41	0.06958	0.02677	0.04972	0.12619	0.04721	0.10278	0.03663	0.02677	1.28447415	0.001139022	1.192E-07	0.0117604	0.039168	0.0255816	0.005979	0.00419355	1.363909
315	488769.93	3858449.27	0.08073	0.04258	0.02604	0.52271	0.02451	0.25708	0.05797	0.04258	1.49030753	0.001811713	6.245E-08	0.0487144	0.0203349	0.0639863	0.009462	0.00667021	1.627947
316	488819.93	3858449.27	0.07508	0.04027	0.02552	0.33564	0.02422	0.18898	0.05221	0.04027	1.38600631	0.001713426	6.121E-08	0.0312803	0.0200943	0.0470365	0.008522	0.00630834	1.488345
317	488819.93	3858499.27	0.08724	0.04477	0.0235	0.55518	0.02273	0.26651	0.05865	0.04477	1.61048469	0.001904894	5.636E-08	0.0517405	0.0188581	0.0663334	0.009573	0.00701328	1.751882
318	488869.93	3858499.27	0.07845	0.04219	0.02314	0.35233	0.02242	0.19332	0.05278	0.04219	1.44821783	0.001795119	5.55E-08	0.0328357	0.0186009	0.0481167	0.008615	0.00660911	1.551572
319	488869.93	3858549.27	0.0926	0.04716	0.02156	0.59016	0.02115	0.27645	0.05941	0.04716	1.7094324	0.002006585	5.171E-08	0.0550005	0.0175472	0.0688075	0.009697	0.00738767	1.855104
320	489438.17	3859571.48	0.04789	0.0233	0.05057	0.09459	0.00908	0.04125	0.02238	0.0233	0.88406822	0.000991379	1.213E-07	0.0088154	0.0075333	0.010267	0.003653	0.00364997	0.911678
321	489488.17	3859571.48	0.04544	0.02549	0.06051	0.08392	0.00891	0.04133	0.02455	0.02549	0.83884026	0.00108456	1.451E-07	0.007821	0.0073922	0.0102869	0.004007	0.00399304	0.865439
322	489538.17	3859571.48	0.04354	0.02818	0.07464	0.07722	0.0087	0.04163	0.0272	0.02818	0.80376551	0.001199016	1.79E-07	0.0071966	0.007218	0.0103616	0.00444	0.00441443	0.829766
323	489588.17	3859571.48	0.04205	0.03146	0.09614	0.07309	0.00846	0.04216	0.03044	0.03146	0.77625953	0.001338574	2.306E-07	0.0068117	0.0070189	0.0104935	0.004969	0.00492825	0.801963
324	489438.17	3859621.48	0.04763	0.02012	0.0386	0.09214	0.00886	0.03972	0.01935	0.02012	0.87926852	0.000856075	9.258E-08	0.0085871	0.0073507	0.0098862	0.003158	0.00315182	0.905955
325	489488.17	3859621.48	0.04481	0.02169	0.04519	0.08116	0.00873	0.03958	0.0209	0.02169	0.82721021	0.000922876	1.084E-07	0.0075638	0.0072429	0.0098513	0.003411	0.00339776	0.852805
326	489538.17	3859621.48	0.04264	0.02356	0.05482	0.07405	0.00856	0.03962	0.02275	0.02356	0.78715116	0.001002442	1.315E-07	0.0069012	0.0071018	0.0098613	0.003713	0.0036907	0.812041
327	489588.17	3859621.48	0.04096	0.02585	0.06814	0.06938	0.00836	0.03986	0.02503	0.02585	0.7561377	0.001099878	1.634E-07	0.0064659	0.0069359	0.009921	0.004086	0.00404943	0.780597
328	489238.17	3859671.48	0.07444	0.01426	0.02107	0.42564	0.00833	0.04112	0.01364	0.01426	1.37419166	0.000606741	5.053E-08	0.0396679	0.006911	0.0102346	0.002226	0.00223385	1.431605
329	489288.17	3859671.48	0.06225	0.01497	0.02266	0.21171	0.00851	0.04024	0.01435	0.01497	1.14915947	0.00063695	5.435E-08	0.0197305	0.0070604	0.0100156	0.002342	0.00234507	1.1866
330	489338.17	3859671.48	0.05472	0.01579	0.02463	0.14079	0.00862	0.03949	0.01516	0.01579	1.01015271	0.00067184	5.907E-08	0.013121	0.0071516	0.0098289	0.002475	0.00247352	1.040927
331	489388.17	3859671.48	0.04974	0.01674	0.02732	0.10805	0.00868	0.0389	0.01609	0.01674	0.91821995	0.000712261	6.552E-08	0.0100698	0.0072014	0.0096821	0.002626	0.00262234	0.94589
332	489438.17	3859671.48	0.04616	0.01776	0.03099	0.09006	0.00864	0.03845	0.0171	0.01776	0.85213174	0.000755661	7.432E-08	0.0083932	0.0071682	0.0095701	0.002791	0.00278213	0.878028
333	489488.17	3859671.48	0.0435	0.01899	0.03621	0.07872	0.00857	0.03813	0.01832	0.01899	0.8030271	0.000807995	8.684E-08	0.0073364	0.0071101	0.0094904	0.00299	0.00297481	0.827788
334	489538.17	3859671.48	0.04141	0.02038	0.04297	0.07134	0.00844	0.03799	0.01969	0.02038	0.76444488	0.000867138	1.031E-07	0.0066486	0.0070023	0.0094556	0.003214	0.00319255	0.78844
335	489588.17	3859671.48	0.03975	0.02201	0.05051	0.06635	0.00827	0.03801	0.02131	0.02201	0.73380062	0.000936492	1.211E-07	0.0061835	0.0068612	0.0094606	0.003478	0.00344789	0.757273
336	489238.17	3859721.48	0.06589	0.01312	0.01791	0.42356	0.00796	0.04026	0.01257	0.01312	1.2163553	0.000558236	4.295E-08	0.039474	0.0066041	0.0100206	0.002052	0.00205526	1.273009
337	489288.17	3859721.48	0.05608	0.01374	0.01919	0.20909	0.00819	0.03933	0.01319	0.01374	1.03525884	0.000584616	4.602E-08	0.0194863	0.0067949	0.0097891	0.002153	0.00215239	1.071914
338	489338.17	3859721.48	0.05033	0.0144	0.02087	0.13869	0.00834	0.03855	0.01385	0.0144	0.92911158	0.000612698	5.005E-08	0.0129253	0.0069193	0.009595	0.002261	0.00225578	0.959169

339	489388.17	3859721.48	0.04655	0.01514	0.02317	0.1063	0.00842	0.03789	0.01458	0.01514	0.8593313	0.000644184	5.557E-08	0.0099067	0.0069857	0.0094307	0.00238	0.0023717	0.886307
340	489438.17	3859721.48	0.04379	0.01595	0.02619	0.08821	0.00842	0.03737	0.01539	0.01595	0.80838061	0.000678648	6.281E-08	0.0082208	0.0069857	0.0093013	0.002512	0.00249859	0.833581
341	489488.17	3859721.48	0.04169	0.01691	0.03024	0.07665	0.0084	0.03696	0.01634	0.01691	0.76961379	0.000719494	7.253E-08	0.0071435	0.0069691	0.0091992	0.002667	0.00264897	0.793663
342	489538.17	3859721.48	0.03996	0.01798	0.03494	0.06905	0.00831	0.03668	0.01739	0.01798	0.73767731	0.000765021	8.38E-08	0.0064352	0.0068944	0.0091295	0.002839	0.00281659	0.760924
343	489588.17	3859721.48	0.03853	0.01919	0.03889	0.06383	0.00817	0.03652	0.0186	0.01919	0.71127894	0.000816505	9.327E-08	0.0059487	0.0067783	0.0090897	0.003036	0.00300614	0.733942
344	489238.17	3859771.48	0.05017	0.01217	0.01566	0.4204	0.00759	0.03942	0.01168	0.01217	0.92615792	0.000517815	3.756E-08	0.0391795	0.0062971	0.0098115	0.001907	0.00190645	0.981964
345	489288.17	3859771.48	0.04767	0.01269	0.01688	0.20683	0.00785	0.03848	0.01221	0.01269	0.88000694	0.00053994	4.048E-08	0.0192757	0.0065128	0.0095775	0.001993	0.0019879	0.915918
346	489338.17	3859771.48	0.04526	0.01323	0.0184	0.1373	0.00803	0.03768	0.01275	0.01323	0.83551739	0.000562916	4.413E-08	0.0127958	0.0066621	0.0093784	0.002081	0.0020725	0.864925
347	489388.17	3859771.48	0.04325	0.01383	0.02035	0.10477	0.00814	0.037	0.01335	0.01383	0.798412	0.000588445	4.881E-08	0.0097641	0.0067534	0.0092092	0.002179	0.00216649	0.82474
348	489438.17	3859771.48	0.0415	0.01449	0.02278	0.08666	0.00818	0.03644	0.014	0.01449	0.76610631	0.000616527	5.463E-08	0.0080764	0.0067866	0.0090698	0.002285	0.00226988	0.790671
349	489488.17	3859771.48	0.04005	0.01527	0.02601	0.07485	0.00821	0.03596	0.01477	0.01527	0.73933874	0.000649715	6.238E-08	0.0069757	0.0068115	0.0089503	0.002411	0.00239206	0.762745
350	489538.17	3859771.48	0.03874	0.0161	0.02917	0.06702	0.00817	0.03556	0.01561	0.0161	0.71515563	0.00068503	6.996E-08	0.006246	0.0067783	0.0088508	0.002548	0.00252208	0.737742
351	489588.17	3859771.48	0.03755	0.01703	0.0308	0.06174	0.00805	0.03532	0.01652	0.01703	0.69318776	0.0007246	7.387E-08	0.0057539	0.0066787	0.008791	0.002697	0.00266777	0.715165
352	489238.17	3859821.48	0.04466	0.01136	0.01416	0.41845	0.00722	0.03864	0.01091	0.01136	0.82444115	0.00048335	3.396E-08	0.0389978	0.0059901	0.0096174	0.001781	0.00177956	0.879531
353	489288.17	3859821.48	0.04376	0.0118	0.0153	0.20527	0.00751	0.03767	0.01136	0.0118	0.8078268	0.000502072	3.669E-08	0.0191303	0.0062307	0.0093759	0.001854	0.00184848	0.843072
354	489338.17	3859821.48	0.04266	0.01225	0.0166	0.13581	0.00771	0.03686	0.01182	0.01225	0.78752037	0.000521219	3.981E-08	0.0126569	0.0063966	0.0091743	0.001929	0.00191898	0.81628
355	489388.17	3859821.48	0.0415	0.01276	0.01823	0.1034	0.00786	0.03617	0.01233	0.01276	0.76610631	0.000542918	4.372E-08	0.0096365	0.0065211	0.0090026	0.002013	0.00199887	0.791823
356	489438.17	3859821.48	0.04036	0.01332	0.02044	0.0848	0.00797	0.03557	0.0129	0.01332	0.74506146	0.000566745	4.902E-08	0.007903	0.0066124	0.0088533	0.002106	0.00208659	0.769016
357	489488.17	3859821.48	0.03923	0.01394	0.02291	0.07312	0.00802	0.03504	0.01351	0.01394	0.72420122	0.000593125	5.495E-08	0.0068145	0.0066538	0.0087213	0.002205	0.00218372	0.747006
358	489538.17	3859821.48	0.03813	0.0146	0.02477	0.06523	0.00801	0.03459	0.01416	0.0146	0.70389479	0.000621207	5.941E-08	0.0060792	0.0066455	0.0086093	0.002311	0.00228711	0.725874
359	489588.17	3859821.48	0.03706	0.01532	0.02507	0.05984	0.00793	0.03426	0.01488	0.01532	0.68414217	0.000651842	6.013E-08	0.0055768	0.0065792	0.0085272	0.002429	0.0023999	0.705506
360	489238.17	3859871.48	0.04553	0.01066	0.01306	0.41551	0.00686	0.03791	0.01025	0.01066	0.8405017	0.000453567	3.132E-08	0.0387238	0.0056914	0.0094357	0.001673	0.0016699	0.894809
361	489288.17	3859871.48	0.04447	0.01103	0.014	0.20468	0.00716	0.03693	0.01063	0.01103	0.82093368	0.000469309	3.358E-08	0.0190753	0.0059403	0.0091918	0.001735	0.00172786	0.855618
362	489338.17	3859871.48	0.04324	0.01142	0.01515	0.13461	0.0074	0.03611	0.01103	0.01142	0.7982274	0.000485903	3.633E-08	0.0125451	0.0061394	0.0089877	0.0018	0.00178896	0.826397
363	489388.17	3859871.48	0.04198	0.01186	0.01672	0.10179	0.0076	0.03539	0.01148	0.01186	0.7749673	0.000504625	4.01E-08	0.0094864	0.0063054	0.0088085	0.001874	0.00185788	0.800088
364	489438.17	3859871.48	0.04075	0.01234	0.01877	0.08288	0.00776	0.03469	0.01196	0.01234	0.75226102	0.000525048	4.502E-08	0.0077241	0.0064381	0.0086342	0.001952	0.00193308	0.775602
365	489488.17	3859871.48	0.03956	0.01282	0.02079	0.07073	0.00787	0.03403	0.01244	0.01282	0.73029315	0.000545471	4.986E-08	0.0065917	0.0065294	0.00847	0.002031	0.00200827	0.752452
366	489538.17	3859871.48	0.03832	0.01335	0.02133	0.06342	0.00785	0.03364	0.01297	0.01335	0.70740226	0.000568022	5.116E-08	0.0059105	0.0065128	0.0083729	0.002117	0.00209129	0.728792
367	489588.17	3859871.48	0.03718	0.01393	0.02098	0.05794	0.00781	0.03326	0.01354	0.01393	0.68635741	0.0005927	5.032E-08	0.0053998	0.0064796	0.0082783	0.00221	0.00218215	0.707136
368	489238.17	3859921.48	0.05202	0.01007	0.01212	0.40894	0.00652	0.03723	0.00968	0.01007	0.96030965	0.000428463	2.907E-08	0.0381115	0.0054094	0.0092664	0.00158	0.00157748	1.013528
369	489288.17	3859921.48	0.04939	0.01039	0.01301	0.20028	0.00685	0.0362	0.01002	0.01039	0.91175881	0.000442078	3.12E-08	0.0186653	0.0056831	0.0090101	0.001636	0.00162761	0.945567
370	489338.17	3859921.48	0.04679	0.01073	0.01416	0.13202	0.00711	0.03536	0.01037	0.01073	0.86376179	0.000456545	3.396E-08	0.0123037	0.0058988	0.008801	0.001693	0.00168087	0.891234
371	489388.17	3859921.48	0.04451	0.0111	0.01573	0.09939	0.00735	0.03454	0.01075	0.0111	0.82167209	0.000472288	3.773E-08	0.0092627	0.006098	0.0085969	0.001755	0.00173883	0.846118
372	489438.17	3859921.48	0.04256	0.01147	0.01758	0.08019	0.00755	0.03371	0.01113	0.01147	0.78567433	0.000488031	4.216E-08	0.0074734	0.0062639	0.0083903	0.001817	0.00179679	0.80831
373	489488.17	3859921.48	0.04079	0.01186	0.01848	0.06877	0.00766	0.03312	0.01152	0.01186	0.75299943	0.000504625	4.432E-08	0.0064091	0.0063552	0.0082435	0.00188	0.00185788	0.774534
374	489538.17	3859921.48	0.03919	0.01229	0.01828	0.06142	0.00769	0.03267	0.01196	0.01229	0.7234628	0.000522921	4.384E-08	0.0057241	0.00638	0.0081315	0.001952	0.00192524	0.744248
375	489588.17	3859921.48	0.03779	0.0127	0.01714	0.0557	0.0077	0.03215	0.01237	0.0127	0.69761825	0.000540365	4.111E-08	0.005191	0.0063883	0.008002	0.002019	0.00198947	0.71777
376	489238.17	3859971.48	0.06718	0.00955	0.01132	0.40136	0.00619	0.03658	0.00919	0.00955	1.2401692	0.000406338	2.715E-08	0.0374051	0.0051356	0.0091046	0.0015	0.00149602	1.292225
377	489288.17	3859971.48	0.0578	0.00982	0.0122	0.19847	0.00652	0.03557	0.00948	0.00982	1.06701072	0.000417826	2.926E-08	0.0184966	0.0054094	0.0088533	0.001547	0.00153831	1.100197
378	489338.17	3859971.48	0.05199	0.01012	0.01342	0.12967	0.00682	0.03464	0.00979	0.01012	0.95975583	0.00043059	3.219E-08	0.0120847	0.0056582	0.0086218	0.001598	0.00158531	0.986564
379	489388.17	3859971.48	0.04797	0.01042	0.01495	0.09674	0.0071	0.03368	0.0101	0.01042	0.88554505	0.000443355	3.586E-08	0.0090158	0.0058906	0.0083828	0.001649	0.00163231	0.909294
380	489438.17	3859971.48	0.04497	0.01066	0.0158	0.07677	0.00734	0.03268	0.01037	0.01066	0.83016388	0.000453567	3.789E-08	0.0071546	0.0060897	0.0081339	0.001693	0.0016699	0.852019
381	489488.17	3859971.48	0.04264	0.01081	0.01532	0.06372	0.00755	0.03153	0.01057	0.01081	0.78715116	0.000459949	3.674E-08	0.0059384	0.0062639	0.0078477	0.001725	0.0016934	0.807693
382	489538.17	3859971.48	0.04063	0.01096	0.01457	0.05595	0.00765	0.03074	0.01075	0.01096	0.75004577	0.000466331	3.494E-08	0.0052143	0.0063469	0.0076511	0.001755	0.0017169	0.769762
383	489588.17	3859971.48	0.03888	0.01115	0.01364	0.05059	0.00769	0.03007	0.01094	0.01115	0.71774008	0.000474415	3.271E-08	0.0047148	0.00638	0.0074843	0.001786	0.00174666	0.736833
384	483577.7	3854071	0.06219	0.02318	0.00668	0.14377	0.0039	0.09364	0.05455	0.02318	1.14805184	0.000986273	1.602E-08	0.0133988	0.0032357	0.0233067	0.008904	0.00363118	1.194252
385	483627.7	3854071	0.05399	0.02182	0.00655	0.11924	0.00391	0.08113	0.0497	0.02182	0.99667662	0.000928407	1.571E-08	0.0111127	0.003244	0.020193	0.008112	0.00341813	1.036849
386	483677.7	3854071	0.04848	0.02059	0.00657	0.10145	0.00392	0.07135	0.0456	0.02059	0.89495985	0.000876073	1.576E-08	0.0094547	0.0032522	0.0177588	0.007443	0.00322545	0.930519
387	483727.7	3854071	0.04445	0.01948	0.0067	0.08803	0.00393	0.06353	0.04215	0.01948	0.82056447	0.000828844	1.607E-08	0.008204	0.0032605	0.0158124	0.00688	0.00305157	0.852499
388	483777.7	3854071	0.04142	0.01832	0.00684	0.07696	0.00393	0.05676	0.03888	0.01832	0.76462948	0.000779488	1.64E-08	0.0071724	0.0032605	0.0141274	0.006346	0.00286985	0.793446
389	483577.7	3854121	0.06441	0.02338	0.00733	0.19497	0.00397	0.11628	0.06583	0.02338	1.18903392	0.000994783	1.758E-08	0.0181704	0.0032937	0.0289417	0.010745	0.00366251	1.247517
390	483627.7	3854121	0.05628	0.02185	0.00723	0.15458	0.00398	0.097	0.0586	0.02185	1.03895092	0.000929684	1.734E-08	0.0144062	0.003302	0.024143	0.009565	0.00342283	1.087874
391	483677.7	3854121	0.05091	0.02039	0.00726	0.12672	0.00399	0.08255	0.05259	0.02039	0.93981861	0.000867563	1.741E-08	0.0118098	0.0033103	0.0205464	0.008584	0.00319412	0.981743
392	483727.7	3854121	0.04704	0.01908	0.00738	0.10653	0.00399	0.07156	0.04757	0.01908	0.86837689	0.000811825	1.77E-08	0.0099282	0.0033103	0.017811	0.007765	0.00298891	0.905014
393	483777.7	3854121	0.0439	0.01807	0.00755	0.09231	0.00398	0.06361	0.04364	0.01807	0.81041125	0.000768851	1.811E-08	0.0086029	0.003302	0.0158323	0.007123	0.00283069	0.84321
394	483577.7	3854171	0.06741	0.02326	0.00807	0.28406	0.00405	0.15316	0.08112	0.02326	1.2444151	0.000989677	1.935E-08	0.0264732	0.0033601	0.038121	0.013241	0.00364371	1.322957
395	483627.7	3854171	0.05945	0.02149	0.008	0.20711	0.00405	0.1193	0.07003	0.02149	1.09747037	0.000914366	1.919E-08	0.0193018	0.0033601	0.0296934	0.011431	0.00336643	1.158804

396	483677.7	3854171	0.05403	0.02008	0.0081	0.16258	0.00406	0.09817	0.06178	0.02008	0.99741504	0.000854373	1.943E-08	0.0151518	0.0033684	0.0244342	0.010084	0.00314556	1.048163
397	483727.7	3854171	0.04999	0.01892	0.00825	0.13367	0.00403	0.08375	0.05533	0.01892	0.92283505	0.000805017	1.979E-08	0.0124575	0.0033435	0.0208451	0.009031	0.00296384	0.966354
398	483777.7	3854171	0.04684	0.01785	0.00846	0.11257	0.00403	0.07267	0.04992	0.01785	0.86468481	0.00075949	2.029E-08	0.0104911	0.0033435	0.0180873	0.008148	0.00279622	0.902718
399	483827.7	3854171	0.0444	0.01671	0.00883	0.0957	0.00404	0.0634	0.04495	0.01671	0.81964145	0.000710985	2.118E-08	0.0089188	0.0033518	0.01578	0.007337	0.00261764	0.853123
400	483877.7	3854171	0.04214	0.01592	0.00955	0.08414	0.00406	0.05697	0.04139	0.01592	0.77792096	0.000677371	2.29E-08	0.0078415	0.0033684	0.0141796	0.006756	0.00249389	0.80825
401	483727.7	3854221	0.05432	0.01886	0.00937	0.17672	0.00409	0.10245	0.06636	0.01886	1.00276855	0.000802464	2.247E-08	0.0164696	0.0033933	0.0254995	0.010832	0.00295444	1.056811
402	483777.7	3854221	0.05084	0.01774	0.00973	0.14283	0.00409	0.08611	0.05869	0.01774	0.93852638	0.00075481	2.334E-08	0.0133112	0.0033933	0.0214325	0.00958	0.00277899	0.984219
403	483827.7	3854221	0.04772	0.01701	0.01054	0.12147	0.00411	0.07552	0.0534	0.01701	0.88092996	0.000723749	2.528E-08	0.0113205	0.0034099	0.0187967	0.008716	0.00266464	0.921233
404	483877.7	3854221	0.04538	0.01605	0.01138	0.10344	0.00412	0.06603	0.04807	0.01605	0.83773264	0.000682903	2.729E-08	0.0096402	0.0034182	0.0164346	0.007846	0.00251425	0.873241
405	489150.19	3858726.45	0.05879	0.04973	0.01849	0.43417	0.01617	0.16265	0.05357	0.04973	1.08528651	0.002115935	4.435E-08	0.0404628	0.0134155	0.040483	0.008744	0.00779027	1.182718
406	489200.19	3858726.45	0.05608	0.04656	0.01861	0.71796	0.01592	0.13388	0.04918	0.04656	1.03525884	0.001981056	4.463E-08	0.0669109	0.0132081	0.0333223	0.008028	0.00729368	1.151415
407	489150.19	3858776.45	0.05991	0.05699	0.01869	0.57822	0.01545	0.21879	0.06215	0.05699	1.10596215	0.002424837	4.482E-08	0.0538877	0.0128182	0.0544561	0.010145	0.00892755	1.230766
408	489200.19	3858776.45	0.05718	0.05272	0.01877	0.83268	0.0152	0.16608	0.05614	0.05272	1.05556527	0.002243155	4.502E-08	0.0776023	0.0126108	0.0413367	0.009164	0.00825865	1.190263
409	488919.6	3856400.76	0.02658	0.00865	0.01125	0.02138	0.0963	0.01795	0.01128	0.00865	0.49067725	0.000368044	2.698E-08	0.0019925	0.0798958	0.0044677	0.001841	0.00135503	0.577888
410	488919.6	3856450.76	0.02683	0.0088	0.01106	0.02182	0.1104	0.01833	0.01144	0.0088	0.49529235	0.000374426	2.653E-08	0.0020335	0.091594	0.0045623	0.001867	0.00137853	0.594345
411	488969.6	3856450.76	0.02654	0.00873	0.01091	0.02152	0.10979	0.01812	0.01128	0.00873	0.48993883	0.000371448	2.617E-08	0.0020056	0.0910879	0.00451	0.001841	0.00136757	0.588387
412	488919.6	3856500.76	0.02709	0.00896	0.01087	0.02229	0.12665	0.01873	0.01161	0.00896	0.50009205	0.000381234	2.607E-08	0.0020773	0.1050759	0.0046618	0.001895	0.00140359	0.61278
413	488969.6	3856500.76	0.02677	0.00889	0.01074	0.02198	0.12544	0.01854	0.01144	0.00889	0.49418472	0.000378256	2.576E-08	0.0020484	0.104072	0.0046145	0.001867	0.00139263	0.605773
414	488919.6	3856550.76	0.02733	0.00913	0.01072	0.02277	0.14473	0.01917	0.01178	0.00913	0.50452254	0.000388467	2.571E-08	0.0021221	0.120076	0.0047713	0.001923	0.00143023	0.632373
415	488969.6	3856550.76	0.02702	0.00905	0.0106	0.02245	0.14266	0.01897	0.01161	0.00905	0.49879982	0.000385064	2.542E-08	0.0020922	0.1183586	0.0047216	0.001895	0.00141769	0.624835
416	488819.6	3856600.76	0.0283	0.00946	0.01082	0.02404	0.1711	0.02009	0.01233	0.00946	0.52242912	0.000402508	2.595E-08	0.0022404	0.141954	0.0050003	0.002013	0.00148192	0.672557
417	488869.6	3856600.76	0.02795	0.00937	0.01071	0.02364	0.16791	0.01984	0.01214	0.00937	0.51596799	0.000398679	2.569E-08	0.0022032	0.1393074	0.0049381	0.001982	0.00146782	0.663329
418	488919.6	3856600.76	0.0276	0.0093	0.01062	0.02327	0.16467	0.01963	0.01195	0.0093	0.50950685	0.000395701	2.547E-08	0.0021687	0.1366193	0.0048858	0.001951	0.00145686	0.65407
419	488819.6	3856650.76	0.02859	0.00964	0.01074	0.02459	0.19559	0.02058	0.01252	0.00964	0.52778264	0.000410167	2.576E-08	0.0022917	0.1622723	0.0051223	0.002044	0.00151012	0.698413
420	488869.6	3856650.76	0.02823	0.00955	0.01065	0.02418	0.19084	0.02033	0.01232	0.00955	0.5211369	0.000406338	2.554E-08	0.0022535	0.1583314	0.0050601	0.002011	0.00149602	0.687703
421	488819.6	3856700.76	0.02888	0.00983	0.01072	0.02517	0.22156	0.02112	0.01273	0.00983	0.53313615	0.000418251	2.571E-08	0.0023457	0.1838184	0.0052567	0.002078	0.00153988	0.725513
422	488869.6	3856700.76	0.02852	0.00973	0.01067	0.02474	0.21501	0.02087	0.01252	0.00973	0.52649041	0.000413996	2.559E-08	0.0023057	0.1783842	0.0051945	0.002044	0.00152422	0.713308
423	488819.6	3856750.76	0.0292	0.01002	0.01076	0.02577	0.24851	0.02169	0.01294	0.01002	0.53904348	0.000426336	2.581E-08	0.0024017	0.2061777	0.0053986	0.002112	0.00156965	0.75399
424	488869.6	3856750.76	0.02881	0.00993	0.01077	0.02533	0.23976	0.02147	0.01273	0.00993	0.53184392	0.000422506	2.583E-08	0.0023607	0.1989182	0.0053438	0.002078	0.00155555	0.739411
425	488819.6	3857050.76	0.03143	0.01137	0.01251	0.03033	0.39801	0.02651	0.01448	0.01137	0.58021015	0.000483776	3E-08	0.0028266	0.3302111	0.0065982	0.002364	0.00178112	0.920912
426	488869.6	3857050.76	0.03095	0.01126	0.01268	0.02972	0.37467	0.02612	0.0142	0.01126	0.57134916	0.000479096	3.041E-08	0.0027698	0.310847	0.0065012	0.002318	0.00176389	0.8925
427	488919.6	3857050.76	0.0305	0.01115	0.01283	0.02914	0.35374	0.0257	0.01393	0.01115	0.56304199	0.000474415	3.077E-08	0.0027157	0.2934823	0.0063966	0.002274	0.00174666	0.866638
428	488819.6	3857100.76	0.0319	0.01164	0.01307	0.0313	0.41555	0.02745	0.0148	0.01164	0.58888654	0.000495264	3.135E-08	0.002917	0.3447633	0.0068322	0.002416	0.00182342	0.944487
429	488869.6	3857100.76	0.03141	0.01152	0.01321	0.03065	0.39026	0.02698	0.0145	0.01152	0.57984095	0.000490158	3.168E-08	0.0028565	0.3237813	0.0067152	0.002367	0.00180462	0.914246
430	488919.6	3857100.76	0.03093	0.01141	0.01334	0.03003	0.36696	0.02654	0.01421	0.01141	0.57097996	0.000485478	3.199E-08	0.0027987	0.3044503	0.0066057	0.002319	0.00178739	0.885852
431	488819.6	3857150.76	0.0324	0.01193	0.0137	0.03234	0.42854	0.02844	0.01514	0.01193	0.59811673	0.000507603	3.286E-08	0.003014	0.3555405	0.0070786	0.002471	0.00186885	0.96486
432	488869.6	3857150.76	0.03188	0.0118	0.0138	0.03166	0.40095	0.02793	0.01482	0.0118	0.58851733	0.000502072	3.31E-08	0.0029506	0.3326503	0.0069517	0.002419	0.00184848	0.932143
433	488919.6	3857150.76	0.03139	0.01168	0.01389	0.03101	0.37636	0.02745	0.01452	0.01168	0.57947174	0.000496966	3.331E-08	0.00289	0.3122491	0.0068322	0.00237	0.00182969	0.90248
434	488969.6	3857150.76	0.03092	0.01156	0.01398	0.03038	0.354	0.027	0.01423	0.01156	0.57079535	0.00049186	3.353E-08	0.0028313	0.293698	0.0067202	0.002323	0.00181089	0.875049
435	488819.6	3857200.76	0.03294	0.01223	0.0144	0.03347	0.43581	0.02951	0.0155	0.01223	0.60808535	0.000520368	3.454E-08	0.0031193	0.3615721	0.0073449	0.00253	0.00191584	0.981256
436	488869.6	3857200.76	0.03239	0.0121	0.01447	0.03274	0.40658	0.02897	0.01516	0.0121	0.59793213	0.000514836	3.47E-08	0.0030512	0.3373213	0.0072105	0.002475	0.00189548	0.946609
437	488919.6	3857200.76	0.03188	0.01197	0.01455	0.03204	0.38065	0.02847	0.01484	0.01197	0.58851733	0.000509305	3.49E-08	0.002986	0.3158083	0.0070861	0.002422	0.00187512	0.915454
438	488969.6	3857200.76	0.0314	0.01184	0.01465	0.03137	0.35757	0.028	0.01454	0.01184	0.57965634	0.000503774	3.514E-08	0.0029236	0.2966599	0.0069691	0.002373	0.00185475	0.887231
439	488819.6	3857250.76	0.03352	0.01255	0.01522	0.03468	0.43699	0.03068	0.01588	0.01255	0.61879237	0.000533983	3.65E-08	0.003232	0.3625511	0.0076361	0.002592	0.00196597	0.993372
440	488869.6	3857250.76	0.03296	0.01241	0.01529	0.03389	0.40699	0.03011	0.01552	0.01241	0.60845455	0.000528026	3.667E-08	0.0031584	0.3376614	0.0074943	0.002533	0.00194404	0.957886
441	488919.6	3857250.76	0.03242	0.01227	0.01541	0.03315	0.38024	0.0296	0.01519	0.01227	0.59848594	0.00052207	3.696E-08	0.0030894	0.3154682	0.0073673	0.002479	0.00192211	0.92549
442	488969.6	3857250.76	0.03191	0.01214	0.01558	0.03244	0.3563	0.02913	0.01487	0.01214	0.58907114	0.000516538	3.737E-08	0.0030233	0.2956062	0.0072504	0.002427	0.00190175	0.895993
443	488819.6	3857300.76	0.03415	0.01289	0.01632	0.03598	0.4311	0.032	0.01628	0.01289	0.63042242	0.00054845	3.914E-08	0.0033532	0.3576644	0.0079647	0.002657	0.00201923	1.000591
444	488869.6	3857300.76	0.03355	0.01274	0.01645	0.03514	0.401	0.03142	0.01591	0.01274	0.61934619	0.000542067	3.945E-08	0.0032749	0.3326918	0.0078203	0.002597	0.00199574	0.964277
445	488919.6	3857300.76	0.03299	0.0126	0.01664	0.03434	0.37401	0.0309	0.01555	0.0126	0.60900837	0.000536111	3.991E-08	0.0032003	0.3102994	0.0076909	0.002538	0.00197381	0.9313
446	488819.6	3857450.76	0.03636	0.01404	0.02236	0.0406	0.3752	0.03714	0.01767	0.01404	0.67121989	0.00059738	5.363E-08	0.0037838	0.3112867	0.009244	0.002884	0.00219938	0.996817
447	488869.6	3857450.76	0.03568	0.01385	0.02247	0.03953	0.34921	0.03639	0.01721	0.01385	0.65866682	0.000589296	5.389E-08	0.003684	0.2897239	0.0090573	0.002809	0.00216962	0.962361
448	488919.6	3857450.76	0.03501	0.01369	0.02261	0.03854	0.32546	0.03571	0.01679	0.01369	0.64629836	0.000582488	5.423E-08	0.0035918	0.2700196	0.0088881	0.002741	0.00214456	0.929976
449	488819.6	3857500.76	0.03725	0.01446	0.02513	0.04243	0.3459	0.03925	0.0182	0.01446	0.68764964	0.000615251	6.027E-08	0.0039543	0.2869778	0.0097692	0.002971	0.00226518	0.989672
450	488869.6	3857500.76	0.03651	0.01428	0.0251	0.04126	0.3219	0.03843	0.01771	0.01428	0.67398895	0.000607592	6.02E-08	0.0038453	0.2670661	0.0095651	0.002891	0.00223698	0.955727
451	488919.6	3857500.76	0.03581	0.0141	0.02506	0.04018	0.30063	0.03766	0.01726	0.0141	0.66106667	0.000599933	6.01E-08	0.0037446	0.2494193	0.0093734	0.002817	0.00220878	0.924813
452	488819.6	3857550.76	0.0382	0.01493	0.02809	0.04444	0.31231	0.04163	0.01877	0.01493	0.70518701	0.000635248	6.737E-08	0.0041416	0.2591097	0.0103616	0.003064	0.0023388	0.98016

453	488869.6	3857550.76	0.03743	0.01472	0.02785	0.04315	0.29149	0.04068	0.01825	0.01472	0.69097251	0.000626313	6.679E-08	0.0040214	0.2418362	0.0101251	0.002979	0.00230591	0.948255
454	488919.6	3857550.76	0.03669	0.01454	0.02763	0.04196	0.27276	0.03981	0.01776	0.01454	0.67731182	0.000618655	6.627E-08	0.0039105	0.2262968	0.0099086	0.002899	0.00227771	0.918668
455	489663.71	3860900.05	0.0107	0.00549	0.00372	0.04071	0.0036	0.01452	0.00539	0.00549	0.19752621	0.000233591	8.922E-09	0.003794	0.0029868	0.003614	0.00088	0.00086002	0.208174
456	489813.71	3860900.05	0.01041	0.00576	0.00353	0.03248	0.00414	0.01399	0.00565	0.00576	0.19217269	0.000245079	8.466E-09	0.003027	0.0034348	0.0034821	0.000922	0.00090231	0.202382
457	489863.71	3860900.05	0.01029	0.00585	0.00339	0.03054	0.00426	0.01382	0.00574	0.00585	0.18995744	0.000248908	8.13E-09	0.0028462	0.0035343	0.0034398	0.000937	0.00091641	0.200047
458	489913.71	3860900.05	0.01019	0.00595	0.00327	0.02894	0.00439	0.01369	0.00584	0.00595	0.18811141	0.000253163	7.843E-09	0.0026971	0.0036422	0.0034074	0.000953	0.00093207	0.198132
459	489963.71	3860900.05	0.01007	0.00605	0.00316	0.0275	0.00447	0.01355	0.00594	0.00605	0.18589616	0.000257418	7.579E-09	0.0025629	0.0037086	0.0033725	0.00097	0.00094774	0.195819
460	490013.71	3860900.05	0.00997	0.00616	0.0031	0.02628	0.00455	0.01345	0.00605	0.00616	0.18405012	0.000262098	7.435E-09	0.0024492	0.0037749	0.0033477	0.000988	0.00096497	0.193907
461	490063.71	3860900.05	0.00986	0.00627	0.00306	0.02519	0.00459	0.01334	0.00616	0.00627	0.18201948	0.000266779	7.339E-09	0.0023476	0.0038081	0.0033203	0.001005	0.0009822	0.191786
462	489663.71	3860950.05	0.0096	0.00534	0.00358	0.04052	0.00343	0.01357	0.00525	0.00534	0.17721977	0.000227209	8.586E-09	0.0037763	0.0028457	0.0033775	0.000857	0.00083652	0.187467
463	489813.71	3860950.05	0.00941	0.00559	0.00339	0.03225	0.00397	0.01316	0.00549	0.00559	0.1737123	0.000237846	8.13E-09	0.0030056	0.0032937	0.0032755	0.000896	0.00087568	0.183545
464	489863.71	3860950.05	0.00934	0.00567	0.00326	0.0303	0.00411	0.01301	0.00557	0.00567	0.17242007	0.00024125	7.819E-09	0.0028238	0.0034099	0.0032381	0.000909	0.00088821	0.182154
465	489913.71	3860950.05	0.00927	0.00576	0.00315	0.02868	0.00423	0.01291	0.00567	0.00576	0.17112784	0.000245079	7.555E-09	0.0026729	0.0035094	0.0032133	0.000926	0.00090231	0.180792
466	489963.71	3860950.05	0.00919	0.00586	0.00304	0.02724	0.00433	0.0128	0.00576	0.00586	0.16965101	0.000249334	7.291E-09	0.0025387	0.0035924	0.0031859	0.00094	0.00091798	0.17924
467	490013.71	3860950.05	0.00911	0.00596	0.00297	0.026	0.00441	0.01271	0.00586	0.00596	0.16817418	0.000253589	7.123E-09	0.0024231	0.0036588	0.0031635	0.000957	0.00093364	0.177696
468	490063.71	3860950.05	0.00904	0.00606	0.00293	0.02492	0.00447	0.01263	0.00596	0.00606	0.16688195	0.000257844	7.027E-09	0.0023224	0.0037086	0.0031436	0.000973	0.00094931	0.176338
469	489513.71	3861000.05	0.00874	0.00501	0.00327	0.05683	0.00265	0.013	0.00491	0.00501	0.16134384	0.000213168	7.843E-09	0.0052963	0.0021986	0.0032357	0.000801	0.00078482	0.172304
470	489563.71	3861000.05	0.00872	0.00507	0.00335	0.04978	0.00285	0.01288	0.00497	0.00507	0.16097463	0.000215721	8.034E-09	0.0046393	0.0023645	0.0032058	0.000811	0.00079422	0.171417
471	489613.71	3861000.05	0.00871	0.00514	0.00342	0.04451	0.00306	0.01277	0.00504	0.00514	0.16079002	0.000218699	8.202E-09	0.0041481	0.0025387	0.0031784	0.000823	0.00080519	0.170892
472	489663.71	3861000.05	0.00868	0.00521	0.00345	0.04036	0.00326	0.01267	0.00511	0.00521	0.16023621	0.000221677	8.274E-09	0.0037614	0.0027047	0.0031535	0.000834	0.00081615	0.170095
473	489713.71	3861000.05	0.00864	0.00528	0.00342	0.03702	0.00345	0.01255	0.00519	0.00528	0.1594978	0.000224656	8.202E-09	0.0034501	0.0028623	0.0031237	0.000847	0.00082712	0.169179
474	489763.71	3861000.05	0.0086	0.00535	0.00336	0.03429	0.00364	0.01245	0.00526	0.00535	0.15875938	0.000227634	8.058E-09	0.0031957	0.0030199	0.0030988	0.000859	0.00083808	0.168322
475	489813.71	3861000.05	0.00856	0.00543	0.00326	0.03206	0.00381	0.01237	0.00535	0.00543	0.15802096	0.000231038	7.819E-09	0.0029879	0.003161	0.0030789	0.000873	0.00085062	0.167502
476	489863.71	3861000.05	0.00851	0.00551	0.00314	0.0301	0.00396	0.01226	0.00542	0.00551	0.15709794	0.000234442	7.531E-09	0.0028052	0.0032854	0.0030515	0.000885	0.00086315	0.166496
477	489913.71	3861000.05	0.00846	0.0056	0.00303	0.02846	0.00409	0.01218	0.00551	0.0056	0.15617493	0.000238271	7.267E-09	0.0026524	0.0033933	0.0030316	0.000899	0.00087725	0.165513
478	489963.71	3861000.05	0.00841	0.00568	0.00293	0.02701	0.00419	0.01208	0.00559	0.00568	0.15525191	0.000241675	7.027E-09	0.0025172	0.0034763	0.0030067	0.000912	0.00088978	0.164516
479	490013.71	3861000.05	0.00835	0.00578	0.00286	0.02577	0.00428	0.01201	0.00568	0.00578	0.15414428	0.00024593	6.859E-09	0.0024017	0.0035509	0.0029892	0.000927	0.00090544	0.163354
480	490063.71	3861000.05	0.0083	0.00587	0.00282	0.02467	0.00435	0.01194	0.00578	0.00587	0.15322126	0.000249759	6.763E-09	0.0022991	0.003609	0.0029718	0.000943	0.00091954	0.162375
481	489513.71	3861050.05	0.00792	0.0049	0.00317	0.05673	0.00251	0.01204	0.0048	0.0049	0.14620631	0.000208487	7.603E-09	0.005287	0.0020824	0.0029967	0.000783	0.00076759	0.156797
482	489563.71	3861050.05	0.00792	0.00495	0.00325	0.04967	0.0027	0.01196	0.00486	0.00495	0.14620631	0.000210615	7.795E-09	0.004629	0.0022401	0.0029768	0.000793	0.00077542	0.156281
483	489613.71	3861050.05	0.00792	0.00502	0.00332	0.04438	0.0029	0.0119	0.00493	0.00502	0.14620631	0.000213593	7.962E-09	0.004136	0.002406	0.0029619	0.000805	0.00078639	0.155942
484	489663.71	3861050.05	0.00791	0.00508	0.00333	0.0402	0.0031	0.01181	0.00499	0.00508	0.14602171	0.000216146	7.986E-09	0.0037465	0.0025719	0.0029395	0.000815	0.00079579	0.155514
485	489713.71	3861050.05	0.00788	0.00514	0.0033	0.03684	0.00329	0.01173	0.00506	0.00514	0.1454679	0.000218699	7.915E-09	0.0034333	0.0027296	0.0029196	0.000826	0.00080519	0.15479
486	489763.71	3861050.05	0.00786	0.00521	0.00323	0.03412	0.00347	0.01166	0.00513	0.00521	0.14509869	0.000221677	7.747E-09	0.0031798	0.0028789	0.0029021	0.000837	0.00081615	0.154302
487	489813.71	3861050.05	0.00783	0.00529	0.00314	0.03185	0.00365	0.0116	0.0052	0.00529	0.14454488	0.000225081	7.531E-09	0.0029683	0.0030282	0.0028872	0.000849	0.00082868	0.153674
488	489863.71	3861050.05	0.0078	0.00536	0.00303	0.0299	0.0038	0.01153	0.00528	0.00536	0.14399107	0.00022806	7.267E-09	0.0027866	0.0031527	0.0028698	0.000862	0.00083965	0.15305
489	489913.71	3861050.05	0.00777	0.00544	0.00293	0.02824	0.00394	0.01146	0.00536	0.00544	0.14343725	0.000231464	7.027E-09	0.0026319	0.0032688	0.0028524	0.000875	0.00085218	0.152444
490	489963.71	3861050.05	0.00773	0.00552	0.00283	0.0268	0.00406	0.0114	0.00544	0.00552	0.14269884	0.000234867	6.787E-09	0.0024976	0.0033684	0.0028374	0.000888	0.00086471	0.15166
491	490013.71	3861050.05	0.00769	0.00561	0.00277	0.02556	0.00416	0.01135	0.00553	0.00561	0.14196042	0.000238697	6.643E-09	0.0023821	0.0034514	0.002825	0.000903	0.00087881	0.150881
492	490063.71	3861050.05	0.00765	0.0057	0.00272	0.02446	0.00423	0.01129	0.00561	0.0057	0.14122201	0.000242526	6.523E-09	0.0022796	0.0035094	0.00281	0.000916	0.00089291	0.150086
493	489513.71	3861100.05	0.00725	0.00479	0.00308	0.05646	0.00238	0.01119	0.00469	0.00479	0.13383785	0.000203807	7.387E-09	0.0052618	0.0019746	0.0027852	0.000766	0.00075036	0.144078
494	489563.71	3861100.05	0.00725	0.00484	0.00315	0.0495	0.00256	0.01112	0.00475	0.00484	0.13383785	0.000205935	7.555E-09	0.0046132	0.0021239	0.0027677	0.000775	0.00075819	0.143566
495	489613.71	3861100.05	0.00725	0.00489	0.00319	0.04413	0.00274	0.01104	0.0048	0.00489	0.13383785	0.000208062	7.651E-09	0.0041127	0.0022733	0.0027478	0.000783	0.00076602	0.143197
496	489663.71	3861100.05	0.00724	0.00495	0.00321	0.03998	0.00293	0.011	0.00486	0.00495	0.13365325	0.000210615	7.699E-09	0.003726	0.0024309	0.0027379	0.000793	0.00077542	0.142776
497	489713.71	3861100.05	0.00724	0.00501	0.00318	0.03665	0.00312	0.01096	0.00493	0.00501	0.13365325	0.000213168	7.627E-09	0.0034156	0.0025885	0.0027279	0.000805	0.00078482	0.142618
498	489763.71	3861100.05	0.00722	0.00508	0.00312	0.03391	0.00331	0.01091	0.005	0.00508	0.13328404	0.000216146	7.483E-09	0.0031603	0.0027462	0.0027155	0.000816	0.00079579	0.142142
499	489813.71	3861100.05	0.00721	0.00515	0.00303	0.03164	0.00349	0.01088	0.00507	0.00515	0.13309943	0.000219125	7.267E-09	0.0029487	0.0028955	0.002708	0.000828	0.00080675	0.141892
500	489863.71	3861100.05	0.00719	0.00522	0.00294	0.02972	0.00366	0.01085	0.00515	0.00522	0.13273023	0.000222103	7.051E-09	0.0027698	0.0030365	0.0027005	0.000841	0.00081772	0.141482
501	489913.71	3861100.05	0.00716	0.00529	0.00283	0.02805	0.00379	0.01079	0.00522	0.00529	0.13217641	0.000225081	6.787E-09	0.0026141	0.0031444	0.0026856	0.000852	0.00082868	0.140869
502	489963.71	3861100.05	0.00714	0.00537	0.00274	0.02661	0.00392	0.01075	0.0053	0.00537	0.13180721	0.000228485	6.571E-09	0.0024799	0.0032522	0.0026756	0.000865	0.00084122	0.140467
503	490013.71	3861100.05	0.0071	0.00545	0.00267	0.02534	0.00402	0.01069	0.00537	0.00545	0.13106879	0.000231889	6.404E-09	0.0023616	0.0033352	0.0026607	0.000877	0.00085375	0.139681
504	490063.71	3861100.05	0.00708	0.00554	0.00263	0.02425	0.0041	0.01066	0.00546	0.00554	0.13069958	0.000235718	6.308E-09	0.00226	0.0034016	0.0026532	0.000891	0.00086785	0.139274
505	489713.71	3861150.05	0.00668	0.00489	0.00307	0.03648	0.00297	0.01025	0.00481	0.00489	0.12331543	0.000208062	7.363E-09	0.0033998	0.0024641	0.0025512	0.000785	0.00076602	0.131958
506	489763.71	3861150.05	0.00668	0.00495	0.00301	0.03375	0.00316	0.01023	0.00488	0.00495	0.12331543	0.000210615	7.219E-09	0.0031454	0.0026217	0.0025462	0.000797	0.00077542	0.13186
507	489813.71	3861150.05	0.00667	0.00502	0.00293	0.03147	0.00333	0.01021	0.00495	0.00502	0.12313082	0.000213593	7.027E-09	0.0029329	0.0027628	0.0025412	0.000808	0.00078639	0.131603
508	489863.71	3861150.05	0.00665	0.00508	0.00283	0.02953	0.0035	0.01018	0.00502	0.00508	0.12276161	0.000216146	6.787E-09	0.0027521	0.0029038	0.0025338	0.000819	0.00079579	0.131191
509	489913.71	3861150.05	0.00664	0.00515	0.00274	0.02786	0.00365	0.01015	0.00509	0.00515	0.12257701	0.000219125	6.571E-09	0.0025964	0.0030282	0.0025263	0.000831	0.00080675	0.130971

510	489963.71	3861150.05	0.00662	0.00523	0.00265	0.02641	0.00377	0.01012	0.00516	0.00523	0.1222078	0.000222528	6.356E-09	0.0024613	0.0031278	0.0025188	0.000842	0.00081929	0.130561
511	490013.71	3861150.05	0.00659	0.0053	0.00258	0.02515	0.00388	0.01009	0.00523	0.0053	0.12165399	0.000225507	6.188E-09	0.0023439	0.0032191	0.0025114	0.000854	0.00083025	0.129977
512	490063.71	3861150.05	0.00657	0.00538	0.00254	0.02405	0.00398	0.01007	0.00531	0.00538	0.12128478	0.000228911	6.092E-09	0.0022414	0.003302	0.0025064	0.000867	0.00084278	0.129587
513	489613.71	3861200.05	0.0062	0.00466	0.00299	0.04378	0.00245	0.00962	0.00458	0.00466	0.11445444	0.000198276	7.171E-09	0.0040801	0.0020327	0.0023944	0.000748	0.00072999	0.123177
514	489663.71	3861200.05	0.00621	0.00472	0.003	0.03964	0.00263	0.00961	0.00464	0.00472	0.11463904	0.000200829	7.195E-09	0.0036943	0.002182	0.0023919	0.000757	0.00073939	0.123126
515	489713.71	3861200.05	0.00621	0.00477	0.00297	0.03631	0.00282	0.00961	0.0047	0.00477	0.11463904	0.000202956	7.123E-09	0.0033839	0.0023396	0.0023919	0.000767	0.00074723	0.122977
516	489763.71	3861200.05	0.00621	0.00483	0.00291	0.03358	0.003	0.0096	0.00476	0.00483	0.11463904	0.000205509	6.979E-09	0.0031295	0.002489	0.0023894	0.000777	0.00075663	0.122873
517	489813.71	3861200.05	0.0062	0.00489	0.00283	0.0313	0.00318	0.0096	0.00483	0.00489	0.11445444	0.000208062	6.787E-09	0.002917	0.0026383	0.0023894	0.000788	0.00076602	0.12263
518	489863.71	3861200.05	0.0062	0.00496	0.00275	0.02937	0.00335	0.00959	0.0049	0.00496	0.11445444	0.00021104	6.595E-09	0.0027372	0.0027793	0.0023869	0.0008	0.00077699	0.122592
519	489913.71	3861200.05	0.00618	0.00502	0.00266	0.0277	0.0035	0.00957	0.00496	0.00502	0.11408523	0.000213593	6.38E-09	0.0025815	0.0029038	0.0023819	0.00081	0.00078639	0.122189
520	489963.71	3861200.05	0.00616	0.00509	0.00257	0.02625	0.00364	0.00955	0.00503	0.00509	0.11371602	0.000216572	6.164E-09	0.0024464	0.0030199	0.002377	0.000821	0.00079735	0.1218
521	490013.71	3861200.05	0.00615	0.00516	0.0025	0.02499	0.00376	0.00953	0.0051	0.00516	0.11353142	0.00021955	5.996E-09	0.002329	0.0031195	0.002372	0.000832	0.00080832	0.121596
522	490063.71	3861200.05	0.00613	0.00524	0.00246	0.02387	0.00385	0.00951	0.00517	0.00524	0.11316221	0.000222954	5.9E-09	0.0022246	0.0031942	0.002367	0.000844	0.00082085	0.121194
523	489513.71	3861250.05	0.00574	0.00446	0.00279	0.05591	0.00199	0.009	0.00437	0.00446	0.10596266	0.000189766	6.691E-09	0.0052106	0.001651	0.0022401	0.000713	0.00069866	0.115269
524	489563.71	3861250.05	0.00577	0.00451	0.00286	0.04895	0.00215	0.00902	0.00443	0.00451	0.10651647	0.000191894	6.859E-09	0.0045619	0.0017838	0.002245	0.000723	0.0007065	0.115316
525	489613.71	3861250.05	0.00579	0.00456	0.0029	0.04366	0.00232	0.00903	0.00448	0.00456	0.10688568	0.000194021	6.955E-09	0.0040689	0.0019248	0.0022475	0.000731	0.00071433	0.115338
526	489663.71	3861250.05	0.0058	0.00461	0.0029	0.03949	0.00249	0.00903	0.00454	0.00461	0.10707028	0.000196148	6.955E-09	0.0036803	0.0020658	0.0022475	0.000741	0.00072216	0.115279
527	489713.71	3861250.05	0.0058	0.00466	0.00287	0.03616	0.00267	0.00903	0.00459	0.00466	0.10707028	0.000198276	6.883E-09	0.00337	0.0022152	0.0022475	0.000749	0.00072999	0.11512
528	489763.71	3861250.05	0.0058	0.00472	0.00282	0.03343	0.00286	0.00903	0.00465	0.00472	0.10707028	0.000200829	6.763E-09	0.0031155	0.0023728	0.0022475	0.000759	0.00073939	0.115027
529	489813.71	3861250.05	0.0058	0.00478	0.00274	0.03114	0.00303	0.00904	0.00471	0.00478	0.10707028	0.000203382	6.571E-09	0.0029021	0.0025139	0.00225	0.000769	0.00074879	0.11496
530	489863.71	3861250.05	0.00579	0.00484	0.00266	0.0292	0.0032	0.00904	0.00478	0.00484	0.10688568	0.000205935	6.38E-09	0.0027213	0.0026549	0.00225	0.00078	0.00075819	0.11474
531	489913.71	3861250.05	0.00578	0.0049	0.00258	0.02754	0.00336	0.00904	0.00484	0.0049	0.10670107	0.000208487	6.188E-09	0.0025666	0.0027876	0.00225	0.00079	0.00076759	0.114536
532	489963.71	3861250.05	0.00577	0.00496	0.0025	0.0261	0.0035	0.00903	0.00491	0.00496	0.10651647	0.00021104	5.996E-09	0.0024324	0.0029038	0.0022475	0.000801	0.00077699	0.114336
533	490013.71	3861250.05	0.00576	0.00503	0.00243	0.02483	0.00363	0.00902	0.00497	0.00503	0.10633186	0.000214019	5.828E-09	0.0023141	0.0030116	0.002245	0.000811	0.00078796	0.11414
534	490063.71	3861250.05	0.00574	0.0051	0.00239	0.0237	0.00373	0.00901	0.00504	0.0051	0.10596266	0.000216997	5.732E-09	0.0022087	0.0030946	0.0022426	0.000823	0.00079892	0.113749
535	489528.13	3861308.47	0.00533	0.00437	0.00272	0.05349	0.00191	0.00839	0.00428	0.00437	0.09839389	0.000185937	6.523E-09	0.004985	0.0015846	0.0020882	0.000699	0.00068457	0.107252
536	489578.13	3861308.47	0.00536	0.00441	0.00277	0.04708	0.00206	0.0084	0.00433	0.00441	0.09894771	0.000187639	6.643E-09	0.0043877	0.0017091	0.0020907	0.000707	0.00069083	0.107339
537	489628.13	3861308.47	0.00538	0.00446	0.0028	0.04216	0.00222	0.00841	0.00438	0.00446	0.09931691	0.000189766	6.715E-09	0.0039291	0.0018418	0.0020932	0.000715	0.00069866	0.107387
538	489678.13	3861308.47	0.00539	0.0045	0.00279	0.03829	0.00239	0.00843	0.00443	0.0045	0.09950152	0.000191468	6.691E-09	0.0035685	0.0019829	0.0020982	0.000723	0.00070493	0.107361
539	489728.13	3861308.47	0.00539	0.00456	0.00276	0.03514	0.00256	0.00844	0.00449	0.00456	0.09950152	0.000194021	6.619E-09	0.0032749	0.0021239	0.0021007	0.000733	0.00071433	0.107214
540	489778.13	3861308.47	0.00539	0.00461	0.0027	0.03254	0.00274	0.00844	0.00454	0.00461	0.09950152	0.000196148	6.476E-09	0.0030326	0.0022733	0.0021007	0.000741	0.00072216	0.107123
541	489678.13	3861358.47	0.00508	0.00441	0.00271	0.03813	0.00226	0.00797	0.00434	0.00441	0.0937788	0.000187639	6.499E-09	0.0035536	0.001875	0.0019837	0.000708	0.00069083	0.101396
542	489728.13	3861358.47	0.00509	0.00445	0.00267	0.03499	0.00243	0.00798	0.00439	0.00445	0.0939634	0.000189341	6.404E-09	0.0032609	0.0020161	0.0019862	0.000717	0.0006971	0.101435
543	489528.13	3861408.47	0.00476	0.00419	0.00258	0.05317	0.00172	0.00756	0.0041	0.00419	0.08787147	0.000178278	6.188E-09	0.0049552	0.001427	0.0018817	0.000669	0.00065637	0.096327
544	489578.13	3861408.47	0.00478	0.00423	0.00262	0.04677	0.00184	0.00756	0.00415	0.00423	0.08824068	0.00017998	6.284E-09	0.0043588	0.0015266	0.0018817	0.000677	0.00066263	0.096202
545	489628.13	3861408.47	0.0048	0.00427	0.00264	0.04188	0.00199	0.00758	0.0042	0.00427	0.08860989	0.000181682	6.332E-09	0.003903	0.001651	0.0018866	0.000686	0.0006689	0.096249
546	489678.13	3861408.47	0.00482	0.00431	0.00263	0.03799	0.00214	0.00758	0.00424	0.00431	0.08897909	0.000183384	6.308E-09	0.0035405	0.0017755	0.0018866	0.000692	0.00067517	0.096382
547	489728.13	3861408.47	0.00482	0.00436	0.00259	0.03484	0.0023	0.00758	0.00429	0.00436	0.08897909	0.000185511	6.212E-09	0.0032469	0.0019082	0.0018866	0.0007	0.000683	0.096224
548	489528.13	3861458.47	0.00452	0.00411	0.00252	0.05306	0.00163	0.00724	0.00402	0.00411	0.08344098	0.000174874	6.044E-09	0.004945	0.0013523	0.001802	0.000656	0.00064384	0.091728
549	489578.13	3861458.47	0.00455	0.00415	0.00256	0.04664	0.00175	0.00724	0.00406	0.00415	0.08399479	0.000176576	6.14E-09	0.0043467	0.0014519	0.001802	0.000663	0.0006501	0.091785
550	489628.13	3861458.47	0.00457	0.00419	0.00257	0.04173	0.00188	0.00724	0.00411	0.00419	0.084364	0.000178278	6.164E-09	0.0038891	0.0015598	0.001802	0.000671	0.00065637	0.091808
551	489678.13	3861458.47	0.00458	0.00423	0.00255	0.03785	0.00203	0.00724	0.00416	0.00423	0.0845486	0.00017998	6.116E-09	0.0035275	0.0016842	0.001802	0.000679	0.00066263	0.091759
552	489728.13	3861458.47	0.00459	0.00427	0.00251	0.03469	0.00218	0.00723	0.0042	0.00427	0.0847332	0.000181682	6.02E-09	0.003233	0.0018086	0.0017995	0.000686	0.0006689	0.091773
553	489528.13	3861508.47	0.00431	0.00403	0.00247	0.05292	0.00155	0.00695	0.00394	0.00403	0.07956429	0.00017147	5.924E-09	0.0049319	0.001286	0.0017298	0.000643	0.0006313	0.087695
554	489578.13	3861508.47	0.00434	0.00407	0.00249	0.0465	0.00166	0.00695	0.00398	0.00407	0.08011811	0.000173172	5.972E-09	0.0043336	0.0013722	0.0017298	0.00065	0.00063757	0.087744
555	489628.13	3861508.47	0.00435	0.00411	0.0025	0.04158	0.00178	0.00695	0.00403	0.00411	0.08030271	0.000174874	5.996E-09	0.0038751	0.0014768	0.0017298	0.000658	0.00064384	0.087573
556	489678.13	3861508.47	0.00437	0.00414	0.00248	0.0377	0.00192	0.00694	0.00407	0.00414	0.08067192	0.000176151	5.948E-09	0.0035135	0.0015929	0.0017273	0.000664	0.00064854	0.087698
557	489728.13	3861508.47	0.00438	0.00418	0.00244	0.03455	0.00206	0.00693	0.00412	0.00418	0.08085652	0.000177853	5.852E-09	0.0032199	0.0017091	0.0017249	0.000673	0.0006548	0.087706
558	489628.13	3861558.47	0.00417	0.00403	0.00244	0.04145	0.00169	0.00669	0.00395	0.00403	0.07697984	0.00017147	5.852E-09	0.003863	0.0014021	0.0016651	0.000645	0.0006313	0.084095
559	489678.13	3861558.47	0.00418	0.00407	0.00242	0.03757	0.00182	0.0067	0.00399	0.00407	0.07716444	0.000173172	5.804E-09	0.0035014	0.00151	0.0016676	0.000651	0.00063757	0.08403
560	489728.13	3861558.47	0.00419	0.00411	0.00238	0.03445	0.00196	0.00669	0.00404	0.00411	0.07734905	0.000174874	5.708E-09	0.0032106	0.0016261	0.0016651	0.000659	0.00064384	0.084041
561	489357.08	3861015.81	0.0084	0.0048	0.0032	0.10836	0.00207	0.01299	0.00468	0.0048	0.1550673	0.000204233	7.675E-09	0.0100987	0.0017174	0.0032332	0.000764	0.00075193	0.170333
562	489407.08	3861015.81	0.00844	0.00485	0.00316	0.0832	0.00222	0.01288	0.00474	0.00485	0.15580572	0.00020636	7.579E-09	0.0077539	0.0018418	0.0032058	0.000774	0.00075976	0.168828
563	489457.08	3861015.81	0.00846	0.0049	0.00317	0.068	0.00239	0.01278	0.0048	0.0049	0.15617493	0.000208487	7.603E-09	0.0063373	0.0019829	0.0031809	0.000783	0.00076759	0.1679
564	489357.08	3861065.81	0.00759	0.0047	0.00308	0.10819	0.00197	0.01191	0.00458	0.0047	0.14011438	0.000199978	7.387E-09	0.0100829	0.0016344	0.0029644	0.000748	0.00073626	0.155007
565	489407.08	3861065.81	0.00764	0.00474	0.00304	0.08316	0.0021	0.01185	0.00463	0.00474	0.1410374	0.00020168	7.291E-09	0.0077502	0.0017423	0.0029494	0.000756	0.00074253	0.153694
566	489457.08	3861065.81	0.00767	0.00479	0.00306	0.06794	0.00226	0.01179	0.00469	0.00479	0.14159121	0.000203807	7.339E-09	0.0063317	0.001875	0.0029345	0.000766	0.00075036	0.152951

567	489357.08	3861115.81	0.00692	0.0046	0.00296	0.10783	0.00187	0.01097	0.00448	0.0046	0.12774592	0.000195723	7.099E-09	0.0100493	0.0015515	0.0027304	0.000731	0.0007206	0.142283
568	489407.08	3861115.81	0.00698	0.00464	0.00294	0.08297	0.002	0.01095	0.00454	0.00464	0.12885354	0.000197425	7.051E-09	0.0077325	0.0016593	0.0027254	0.000741	0.00072686	0.141182
569	489457.08	3861115.81	0.00702	0.00469	0.00297	0.06779	0.00214	0.01093	0.00459	0.00469	0.12959196	0.000199552	7.123E-09	0.0063177	0.0017755	0.0027204	0.000749	0.00073469	0.14062
570	489407.08	3861165.81	0.00642	0.00454	0.00285	0.08247	0.0019	0.01017	0.00444	0.00454	0.11851572	0.00019317	6.835E-09	0.0076859	0.0015763	0.0025313	0.000725	0.0007112	0.130516
571	489457.08	3861165.81	0.00646	0.00459	0.00288	0.06754	0.00203	0.01015	0.00449	0.00459	0.11925414	0.000195297	6.907E-09	0.0062944	0.0016842	0.0025263	0.000733	0.00071903	0.129968
572	489407.08	3861215.81	0.00594	0.00444	0.00274	0.08264	0.00179	0.00943	0.00434	0.00444	0.10965473	0.000188915	6.571E-09	0.0077017	0.0014851	0.0023471	0.000708	0.00069553	0.12139
573	489457.08	3861215.81	0.00599	0.00448	0.00278	0.06747	0.00191	0.00944	0.00439	0.00448	0.11057775	0.000190617	6.667E-09	0.0062879	0.0015846	0.0023496	0.000717	0.0007018	0.121005
574	489407.08	3861265.81	0.00554	0.00434	0.00265	0.08209	0.0017	0.0088	0.00424	0.00434	0.10227058	0.00018466	6.356E-09	0.0076504	0.0014104	0.0021903	0.000692	0.00067987	0.113719
575	489457.08	3861265.81	0.00558	0.00438	0.0027	0.06713	0.00181	0.00882	0.00429	0.00438	0.10300899	0.000186362	6.476E-09	0.0062562	0.0015017	0.0021953	0.0007	0.00068613	0.113163
576	489309.86	3861110.14	0.00693	0.00456	0.00303	0.15187	0.00178	0.01107	0.00444	0.00456	0.12793052	0.000194021	7.267E-09	0.0141537	0.0014768	0.0027553	0.000725	0.00071433	0.146521
577	489407.08	3861315.81	0.0052	0.00425	0.00258	0.08192	0.00162	0.0083	0.00415	0.00425	0.09599404	0.000180831	6.188E-09	0.0076346	0.001344	0.0020658	0.000677	0.00066577	0.107231
578	489457.08	3861315.81	0.00524	0.00429	0.00262	0.06697	0.00172	0.00831	0.0042	0.00429	0.09673246	0.000182533	6.284E-09	0.0062413	0.001427	0.0020683	0.000686	0.00067203	0.106665
579	488906.03	3861006.75	0.00806	0.00443	0.00409	0.02287	0.00164	0.01387	0.00426	0.00443	0.14879077	0.00018849	9.809E-09	0.0021314	0.0013606	0.0034522	0.000695	0.00069396	0.155925
580	488956.03	3861006.75	0.00811	0.00447	0.00407	0.02671	0.00165	0.01383	0.00431	0.00447	0.14971379	0.000190192	9.761E-09	0.0024893	0.0013689	0.0034422	0.000704	0.00070023	0.157208
581	488904.24	3861051.87	0.00732	0.00436	0.00408	0.02166	0.00163	0.01243	0.00419	0.00436	0.13513008	0.000185511	9.785E-09	0.0020186	0.0013523	0.0030938	0.000684	0.000683	0.141781
582	488954.24	3861051.87	0.00734	0.00439	0.00396	0.02592	0.00162	0.01247	0.00423	0.00439	0.13549928	0.000186788	9.497E-09	0.0024156	0.001344	0.0031037	0.00069	0.0006877	0.142552
583	489004.24	3861051.87	0.00741	0.00444	0.00391	0.03093	0.00163	0.01245	0.00428	0.00444	0.13679151	0.000188915	9.378E-09	0.0028825	0.0013523	0.0030988	0.000699	0.00069553	0.144317
584	488804.24	3861101.87	0.00651	0.0042	0.00387	0.01735	0.00158	0.01137	0.00402	0.0042	0.12017716	0.000178704	9.282E-09	0.0016169	0.0013109	0.00283	0.000656	0.00065794	0.126112
585	488854.24	3861101.87	0.00656	0.00424	0.0039	0.01922	0.00159	0.01133	0.00407	0.00424	0.12110018	0.000180405	9.354E-09	0.0017912	0.0013192	0.00282	0.000664	0.0006642	0.127211
586	488904.24	3861101.87	0.00657	0.00426	0.00378	0.02255	0.00157	0.01131	0.0041	0.00426	0.12128478	0.000181256	9.066E-09	0.0021016	0.0013026	0.002815	0.000669	0.00066733	0.127687
587	488954.24	3861101.87	0.00661	0.0043	0.00369	0.02672	0.00156	0.01127	0.00414	0.0043	0.1220232	0.000182958	8.85E-09	0.0024902	0.0012943	0.0028051	0.000676	0.0006736	0.128798
588	489004.24	3861101.87	0.00666	0.00433	0.00361	0.03289	0.00156	0.01127	0.00418	0.00433	0.12294622	0.000184235	8.658E-09	0.0030652	0.0012943	0.0028051	0.000682	0.0006783	0.130299
589	488804.24	3861151.87	0.00592	0.00411	0.00363	0.01765	0.00152	0.01041	0.00393	0.00411	0.10928553	0.000174874	8.706E-09	0.0016449	0.0012611	0.002591	0.000641	0.00064384	0.114955
590	488854.24	3861151.87	0.00595	0.00414	0.00361	0.0198	0.00152	0.01037	0.00397	0.00414	0.10983934	0.000176151	8.658E-09	0.0018453	0.0012611	0.0025811	0.000648	0.00064854	0.115702
591	489129.49	3861187.55	0.0059	0.00427	0.00313	0.08983	0.0015	0.00975	0.00413	0.00427	0.10891632	0.000181682	7.507E-09	0.0083718	0.0012445	0.0024267	0.000674	0.0006689	0.121146
592	489179.49	3861187.55	0.00595	0.00431	0.00304	0.24351	0.00152	0.00975	0.00417	0.00431	0.10983934	0.000183384	7.291E-09	0.0226941	0.0012611	0.0024267	0.000681	0.00067517	0.13641
593	488804.24	3861201.87	0.00548	0.00403	0.00349	0.01752	0.00149	0.00966	0.00386	0.00403	0.10116295	0.00017147	8.37E-09	0.0016328	0.0012362	0.0024043	0.00063	0.0006313	0.106607
594	488854.24	3861201.87	0.0055	0.00406	0.00345	0.0197	0.00149	0.00961	0.00389	0.00406	0.10153216	0.000172747	8.274E-09	0.001836	0.0012362	0.0023919	0.000635	0.000636	0.107168
595	489129.49	3861237.55	0.00549	0.00419	0.00302	0.08938	0.00146	0.00913	0.00405	0.00419	0.10134756	0.000178278	7.243E-09	0.0083298	0.0012113	0.0022724	0.000661	0.00065637	0.113344
596	489179.49	3861237.55	0.00554	0.00422	0.00293	0.2461	0.00147	0.00911	0.00409	0.00422	0.10227058	0.000179554	7.027E-09	0.0229355	0.0012196	0.0022674	0.000668	0.00066107	0.128879
597	488804.24	3861251.87	0.0051	0.00396	0.00336	0.0174	0.00146	0.00903	0.00379	0.00396	0.094148	0.000168492	8.058E-09	0.0016216	0.0012113	0.0022475	0.000619	0.00062034	0.099395
598	488854.24	3861251.87	0.00513	0.00398	0.00331	0.0196	0.00146	0.009	0.00382	0.00398	0.09470182	0.000169343	7.939E-09	0.0018266	0.0012113	0.0022401	0.000624	0.00062347	0.100149
599	488804.24	3861301.87	0.00478	0.00388	0.00322	0.01731	0.00143	0.00846	0.00371	0.00388	0.08824068	0.000165088	7.723E-09	0.0016132	0.0011864	0.0021057	0.000606	0.00060781	0.093309
600	488854.24	3861301.87	0.00481	0.00391	0.00318	0.0195	0.00143	0.00846	0.00375	0.00391	0.08879449	0.000166364	7.627E-09	0.0018173	0.0011864	0.0021057	0.000612	0.00061251	0.09407
601	490943.5	3860181.97	0.0201	0.03132	0.00833	0.0358	0.00442	0.02961	0.03121	0.03132	0.3710539	0.001332618	1.998E-08	0.0033364	0.0036671	0.0073698	0.005094	0.00490632	0.386948
602	490993.5	3860181.97	0.02054	0.03531	0.00836	0.03672	0.00444	0.0304	0.03533	0.03531	0.37917647	0.001502386	2.005E-08	0.0034222	0.0036837	0.0075665	0.005767	0.00553135	0.395587
603	491043.5	3860181.97	0.02128	0.04077	0.00841	0.03776	0.00445	0.03131	0.04101	0.04077	0.39283716	0.001734701	2.017E-08	0.0035191	0.003692	0.007793	0.006694	0.00638667	0.409883
604	491093.5	3860181.97	0.02256	0.04856	0.00846	0.03881	0.00445	0.03227	0.04918	0.04856	0.41646647	0.002066153	2.029E-08	0.0036169	0.003692	0.0080319	0.008028	0.00760698	0.434294
605	490943.5	3860231.97	0.0187	0.02644	0.00759	0.0318	0.00428	0.02675	0.02627	0.02644	0.34520935	0.001124981	1.82E-08	0.0029636	0.0035509	0.006658	0.004288	0.00414186	0.359653
606	490993.5	3860231.97	0.01895	0.02938	0.00762	0.03245	0.00431	0.02737	0.02929	0.02938	0.34982445	0.001250074	1.828E-08	0.0030242	0.0035758	0.0068123	0.004781	0.00460241	0.364665
607	491043.5	3860231.97	0.01936	0.03297	0.00762	0.03294	0.00431	0.0279	0.03298	0.03297	0.35739321	0.001402823	1.828E-08	0.0030699	0.0035758	0.0069442	0.005383	0.00516479	0.372604
608	491093.5	3860231.97	0.0201	0.03783	0.00763	0.03349	0.00431	0.02851	0.03799	0.03783	0.3710539	0.001609608	1.83E-08	0.0031211	0.0035758	0.007096	0.006201	0.00592612	0.386731
609	490943.5	3860281.97	0.01752	0.02295	0.00699	0.02874	0.00414	0.02453	0.02274	0.02295	0.32342609	0.000976487	1.676E-08	0.0026784	0.0034348	0.0061054	0.003712	0.00359515	0.336738
610	490993.5	3860281.97	0.01762	0.02512	0.00699	0.02909	0.00416	0.02495	0.02495	0.02512	0.32527213	0.001068817	1.676E-08	0.0027111	0.0034514	0.00621	0.004073	0.00393508	0.338851
611	491043.5	3860281.97	0.01782	0.02773	0.00698	0.02937	0.00418	0.02533	0.0276	0.02773	0.3289642	0.001179869	1.674E-08	0.0027372	0.003468	0.0063046	0.004505	0.00434394	0.342815
612	491093.5	3860281.97	0.01819	0.03109	0.00698	0.02966	0.00419	0.02575	0.03101	0.03109	0.33579455	0.001322832	1.674E-08	0.0027642	0.0034763	0.0064091	0.005062	0.00487029	0.349958
613	490943.5	3860331.97	0.01645	0.02032	0.00652	0.02637	0.00401	0.02275	0.02009	0.02032	0.30367347	0.000864585	1.564E-08	0.0024576	0.0033269	0.0056624	0.003279	0.00318315	0.316081
614	490993.5	3860331.97	0.01643	0.02192	0.00646	0.02646	0.00402	0.02296	0.0217	0.02192	0.30330426	0.000932662	1.549E-08	0.002466	0.0033352	0.0057147	0.003542	0.00343379	0.315861
615	491043.5	3860331.97	0.0165	0.02388	0.00643	0.02658	0.00403	0.02322	0.02367	0.02388	0.30459649	0.001016057	1.542E-08	0.0024771	0.0033435	0.0057794	0.003864	0.00374083	0.317335
616	491093.5	3860331.97	0.01665	0.02634	0.00642	0.02673	0.00405	0.02353	0.02613	0.02634	0.30736554	0.001120726	1.54E-08	0.0024911	0.0033601	0.0058565	0.004265	0.00412619	0.320333
617	490086.72	3859935.12	0.0282	0.02017	0.01687	0.04164	0.00586	0.03162	0.01978	0.02017	0.52058308	0.000858202	4.046E-08	0.0038807	0.0048618	0.0078701	0.003229	0.00315966	0.538123
618	490136.72	3859935.12	0.02764	0.02145	0.01682	0.04181	0.0057	0.03195	0.02105	0.02145	0.51024526	0.000912664	4.034E-08	0.0038965	0.004729	0.0079522	0.003436	0.00336017	0.527812
619	490186.72	3859935.12	0.02714	0.02291	0.01667	0.04223	0.00555	0.03242	0.02249	0.02291	0.50101507	0.000974785	3.998E-08	0.0039357	0.0046046	0.0080692	0.003671	0.00358888	0.518682
620	490236.72	3859935.12	0.02671	0.02458	0.0165	0.04289	0.00544	0.03302	0.02413	0.02458	0.4930771	0.001045841	3.957E-08	0.0039972	0.0045133	0.0082186	0.003939	0.00385049	0.51094
621	490286.72	3859935.12	0.02633	0.02648	0.01627	0.04376	0.00534	0.03374	0.02599	0.02648	0.48606215	0.001126683	3.902E-08	0.0040783	0.0044304	0.0083978	0.004242	0.00414812	0.504189
622	490336.72	3859935.12	0.02602	0.02869	0.01598	0.0449	0.00526	0.03465	0.02816	0.02869	0.48033943	0.001220715	3.833E-08	0.0041845	0.004364	0.0086243	0.004597	0.00449432	0.498835
623	490386.72	3859935.12	0.02579	0.03137	0.01569	0.04643	0.00521	0.0358	0.03078	0.03137	0.47609354	0.001334745	3.763E-08	0.0043271	0.0043225	0.0089105	0.005024	0.00491415	0.495098

624	490436.72	3859935.12	0.02565	0.03457	0.01543	0.04832	0.00518	0.03722	0.03392	0.03457	0.47350908	0.0014709	3.701E-08	0.0045032	0.0042976	0.0092639	0.005537	0.00541543	0.493166
625	490486.72	3859935.12	0.02562	0.03856	0.0153	0.05075	0.00516	0.039	0.0378	0.03856	0.47295527	0.001640669	3.669E-08	0.0047297	0.004281	0.009707	0.00617	0.00604047	0.493443
626	490536.72	3859935.12	0.02577	0.04399	0.01537	0.05411	0.00517	0.04142	0.04306	0.04399	0.47572433	0.001871707	3.686E-08	0.0050428	0.0042893	0.0103093	0.007029	0.00689109	0.497375
627	490586.72	3859935.12	0.0261	0.05127	0.01556	0.05846	0.0052	0.04458	0.05004	0.05127	0.48181626	0.002181459	3.732E-08	0.0054482	0.0043142	0.0110958	0.008168	0.00803151	0.504992
628	490636.72	3859935.12	0.02665	0.06072	0.01576	0.06365	0.00522	0.04845	0.05897	0.06072	0.49196947	0.002583542	3.78E-08	0.0059319	0.0043308	0.012059	0.009626	0.00951186	0.516989
629	490686.72	3859935.12	0.02766	0.07531	0.01615	0.07108	0.00526	0.05407	0.07259	0.07531	0.51061447	0.003204324	3.873E-08	0.0066244	0.004364	0.0134578	0.011849	0.0117974	0.538316
630	490736.72	3859935.12	0.02935	0.09631	0.0165	0.08034	0.00529	0.06141	0.09191	0.09631	0.54181254	0.004097842	3.957E-08	0.0074874	0.0043889	0.0152847	0.015002	0.01508708	0.572987
631	490086.72	3859985.12	0.02764	0.01771	0.01445	0.03932	0.00583	0.03009	0.01736	0.01771	0.51024526	0.000753533	3.466E-08	0.0036645	0.0048369	0.0074893	0.002834	0.00277429	0.527049
632	490136.72	3859985.12	0.02702	0.01865	0.01451	0.03922	0.00565	0.03024	0.01829	0.01865	0.49879982	0.000793529	3.48E-08	0.0036551	0.0046876	0.0075266	0.002985	0.00292155	0.515527
633	490186.72	3859985.12	0.02647	0.01973	0.01446	0.03934	0.0055	0.03052	0.01936	0.01973	0.4886466	0.000839481	3.468E-08	0.0036663	0.0045631	0.0075963	0.00316	0.00309073	0.505381
634	490236.72	3859985.12	0.02598	0.02097	0.01438	0.0397	0.00537	0.03092	0.02057	0.02097	0.47960101	0.000892241	3.449E-08	0.0036999	0.0044552	0.0076959	0.003358	0.00328498	0.496417
635	490286.72	3859985.12	0.02554	0.0223	0.01425	0.04019	0.00525	0.03138	0.02188	0.0223	0.47147844	0.000948831	3.418E-08	0.0037455	0.0043557	0.0078104	0.003571	0.00349332	0.488417
636	490336.72	3859985.12	0.02514	0.02382	0.01409	0.04087	0.00516	0.03197	0.02336	0.02382	0.46409428	0.001013504	3.379E-08	0.0038089	0.004281	0.0079572	0.003813	0.00373143	0.481237
637	490386.72	3859985.12	0.0248	0.0255	0.01384	0.04169	0.00508	0.03265	0.025	0.0255	0.45781775	0.001084986	3.319E-08	0.0038853	0.0042146	0.0081265	0.004081	0.00399461	0.475215
638	490436.72	3859985.12	0.02454	0.02752	0.01358	0.04283	0.00503	0.03355	0.02697	0.02752	0.45301805	0.001170934	3.257E-08	0.0039916	0.0041732	0.0083505	0.004402	0.00431104	0.470795
639	490486.72	3859985.12	0.02438	0.02995	0.01336	0.04431	0.005	0.03467	0.02935	0.02995	0.45006438	0.001274326	3.204E-08	0.0041295	0.0041483	0.0086292	0.004791	0.0046917	0.468345
640	490536.72	3859985.12	0.02432	0.03299	0.01326	0.04627	0.005	0.0361	0.03232	0.03299	0.44895676	0.001403674	3.18E-08	0.0043122	0.0041483	0.0089852	0.005276	0.00516792	0.467914
641	490586.72	3859985.12	0.0244	0.03681	0.01327	0.04875	0.00501	0.03791	0.03603	0.03681	0.45043359	0.001566209	3.183E-08	0.0045433	0.0041566	0.0094357	0.005881	0.00576633	0.47025
642	490636.72	3859985.12	0.02464	0.0417	0.01337	0.05187	0.00503	0.0402	0.04073	0.0417	0.45486408	0.001774271	3.207E-08	0.0048341	0.0041732	0.0100056	0.006648	0.00653236	0.475767
643	490686.72	3859985.12	0.02515	0.04829	0.0136	0.05601	0.00507	0.04324	0.04703	0.04829	0.46427889	0.002054665	3.262E-08	0.0052199	0.0042064	0.0107623	0.007677	0.00756469	0.486634
644	490736.72	3859985.12	0.02595	0.05649	0.01377	0.06038	0.00509	0.04657	0.05476	0.05649	0.4790472	0.002403562	3.303E-08	0.0056272	0.0042229	0.0115911	0.008938	0.00884923	0.502981
645	490786.72	3859985.12	0.02746	0.06801	0.01396	0.06565	0.00511	0.05066	0.06545	0.06801	0.50692239	0.002893721	3.348E-08	0.0061183	0.0042395	0.0126091	0.010683	0.01065385	0.532813
646	490086.72	3860035.12	0.0271	0.01583	0.0125	0.03742	0.0058	0.02882	0.01551	0.01583	0.50027665	0.000673542	2.998E-08	0.0034874	0.004812	0.0071732	0.002532	0.00247979	0.516475
647	490136.72	3860035.12	0.02644	0.01657	0.01268	0.03714	0.00562	0.02886	0.01624	0.01657	0.48809279	0.000705028	3.041E-08	0.0034613	0.0046627	0.0071832	0.002651	0.00259571	0.50416
648	490186.72	3860035.12	0.02583	0.01739	0.01268	0.03702	0.00545	0.02898	0.01705	0.01739	0.47683195	0.000739918	3.041E-08	0.0034501	0.0045216	0.007213	0.002783	0.00272416	0.492816
649	490236.72	3860035.12	0.02529	0.0183	0.01262	0.03707	0.0053	0.02918	0.01794	0.0183	0.46686334	0.000778637	3.027E-08	0.0034548	0.0043972	0.0072628	0.002928	0.00286672	0.482818
650	490286.72	3860035.12	0.02479	0.01928	0.01253	0.03725	0.00517	0.02946	0.01891	0.01928	0.45763314	0.000820334	3.005E-08	0.0034715	0.0042893	0.0073325	0.003087	0.00302024	0.473613
651	490336.72	3860035.12	0.02437	0.02043	0.01247	0.03766	0.00507	0.02985	0.02002	0.02043	0.44987978	0.000869265	2.991E-08	0.0035098	0.0042064	0.0074296	0.003268	0.00320038	0.465962
652	490386.72	3860035.12	0.02397	0.02162	0.01232	0.0381	0.00498	0.03027	0.02119	0.02162	0.44249562	0.000919898	2.955E-08	0.0035508	0.0041317	0.0075341	0.003459	0.0033868	0.458704
653	490436.72	3860035.12	0.02364	0.02302	0.01214	0.03876	0.00491	0.03083	0.02255	0.02302	0.43640369	0.000979465	2.912E-08	0.0036123	0.0040736	0.0076735	0.003681	0.00360611	0.452817
654	490486.72	3860035.12	0.02339	0.02465	0.01194	0.03965	0.00486	0.03153	0.02414	0.02465	0.43178859	0.001048819	2.864E-08	0.0036952	0.0040321	0.0078477	0.00394	0.00386145	0.448491
655	490536.72	3860035.12	0.02323	0.02662	0.01178	0.04084	0.00484	0.03243	0.02607	0.02662	0.42883493	0.00113264	2.825E-08	0.0038061	0.0040155	0.0080717	0.004255	0.00417006	0.445946
656	490586.72	3860035.12	0.02315	0.02893	0.01166	0.04227	0.00484	0.03349	0.02834	0.02893	0.4273581	0.001230927	2.796E-08	0.0039394	0.0040155	0.0083355	0.004626	0.00453192	0.444974
657	490636.72	3860035.12	0.02317	0.0316	0.01157	0.04387	0.00483	0.03469	0.03096	0.0316	0.42772731	0.001344531	2.775E-08	0.0040885	0.0040072	0.0086342	0.005054	0.00495018	0.445905
658	490686.72	3860035.12	0.02336	0.03512	0.01163	0.04604	0.00485	0.03629	0.0344	0.03512	0.43123478	0.001494302	2.789E-08	0.0042907	0.0040238	0.0090325	0.005615	0.00550159	0.45019
659	490736.72	3860035.12	0.02378	0.03982	0.0118	0.04895	0.0049	0.03844	0.03898	0.03982	0.43898815	0.00169428	2.83E-08	0.0045619	0.0040653	0.0095676	0.006363	0.00623785	0.459002
660	490786.72	3860035.12	0.0244	0.04529	0.0119	0.05177	0.00491	0.04057	0.04432	0.04529	0.45043359	0.00192702	2.854E-08	0.0048247	0.0040736	0.0100977	0.007234	0.00709473	0.471496
661	490836.72	3860035.12	0.02535	0.05252	0.01202	0.05496	0.00493	0.04301	0.05144	0.05252	0.46797096	0.002234645	2.883E-08	0.005122	0.0040902	0.010705	0.008396	0.00822732	0.490292
662	490086.72	3860085.12	0.0266	0.01439	0.01099	0.03586	0.00581	0.02777	0.01409	0.01439	0.49104645	0.000612272	2.636E-08	0.003342	0.0048203	0.0069119	0.0023	0.00225421	0.506779
663	490136.72	3860085.12	0.02585	0.01494	0.01118	0.03539	0.00559	0.02768	0.01463	0.01494	0.47720116	0.000635674	2.681E-08	0.0032982	0.0046378	0.0068895	0.002388	0.00234037	0.49271
664	490186.72	3860085.12	0.02522	0.01562	0.01128	0.03514	0.00543	0.02773	0.01531	0.01562	0.46557111	0.000664607	2.705E-08	0.0032749	0.004505	0.0069019	0.002499	0.00244689	0.48097
665	490236.72	3860085.12	0.02463	0.01632	0.01123	0.03499	0.00527	0.02779	0.01601	0.01632	0.45467948	0.000694391	2.693E-08	0.0032609	0.0043723	0.0069168	0.002613	0.00255655	0.469981
666	490286.72	3860085.12	0.0241	0.01709	0.01116	0.03496	0.00512	0.02792	0.01676	0.01709	0.44489547	0.000727153	2.677E-08	0.0032581	0.0042478	0.0069492	0.002736	0.00267717	0.460136
667	490336.72	3860085.12	0.02362	0.01792	0.01107	0.03504	0.00499	0.02811	0.01757	0.01792	0.43603448	0.000762468	2.655E-08	0.0032656	0.00414	0.0069965	0.002868	0.00280719	0.45126
668	490386.72	3860085.12	0.02319	0.01885	0.01099	0.03527	0.00489	0.02836	0.01847	0.01885	0.42809651	0.000802038	2.636E-08	0.003287	0.004057	0.0070587	0.003015	0.00295288	0.443363
669	490436.72	3860085.12	0.02282	0.01988	0.0109	0.03563	0.00481	0.0287	0.01948	0.01988	0.42126617	0.000845863	2.614E-08	0.0033206	0.0039906	0.0071433	0.00318	0.00311423	0.436632
670	490486.72	3860085.12	0.0225	0.02103	0.01077	0.03611	0.00474	0.02911	0.02061	0.02103	0.41535884	0.000894794	2.583E-08	0.0033653	0.0039326	0.0072454	0.003364	0.00329438	0.430867
671	490536.72	3860085.12	0.02227	0.02242	0.01063	0.03683	0.0047	0.02967	0.02197	0.02242	0.41111295	0.000953936	2.549E-08	0.0034324	0.0038994	0.0073848	0.003586	0.00351212	0.426857
672	490586.72	3860085.12	0.0221	0.02402	0.01049	0.03771	0.00468	0.03034	0.02355	0.02402	0.40797469	0.001022014	2.516E-08	0.0035144	0.0038828	0.0075515	0.003844	0.00376276	0.424027
673	490636.72	3860085.12	0.022	0.02584	0.01035	0.03869	0.00467	0.03109	0.02535	0.02584	0.40612865	0.001099452	2.482E-08	0.0036057	0.0038745	0.0077382	0.004138	0.00404787	0.422537
674	490686.72	3860085.12	0.02202	0.02808	0.0103	0.03995	0.00468	0.03204	0.02758	0.02808	0.40649785	0.001194761	2.47E-08	0.0037232	0.0038828	0.0079746	0.004502	0.00439877	0.423376
675	490736.72	3860085.12	0.02215	0.03084	0.01032	0.0415	0.0047	0.0332	0.03033	0.03084	0.40889771	0.001312194	2.475E-08	0.0038676	0.0038994	0.0082634	0.004951	0.00483112	0.42636
676	490786.72	3860085.12	0.02242	0.03422	0.01039	0.04327	0.00473	0.03454	0.03373	0.03422	0.41388201	0.001456008	2.492E-08	0.0040326	0.0039243	0.0085969	0.005506	0.0053606	0.432037
677	490836.72	3860085.12	0.0228	0.03827	0.01044	0.04507	0.00474	0.03593	0.03782	0.03827	0.42089696	0.001628329	2.504E-08	0.0042003	0.0039326	0.0089429	0.006173	0.00599504	0.439779
678	490086.72	3860135.12	0.02594	0.01311	0.00955	0.0344	0.00574	0.02671	0.01281	0.01311	0.4788626	0.00055781	2.29E-08	0.0032059	0.0047622	0.006648	0.002091	0.0020537	0.494074
679	490136.72	3860135.12	0.02521	0.01361	0.00991	0.03389	0.00557	0.02662	0.01332	0.01361	0.46538651	0.000579085	2.377E-08	0.0031584	0.0046212	0.0066256	0.002174	0.00213202	0.480413
680	490186.72	3860135.12	0.02456	0.01417	0.01006	0.03351	0.0054	0.02659	0.01388	0.01417	0.45338725	0.000602912	2.413E-08	0.003123	0.0044801	0.0066182	0.002266	0.00221975	0.468257

681	490236.72	3860135.12	0.02394	0.01474	0.01005	0.03321	0.00523	0.02657	0.01445	0.01474	0.44194181	0.000627164	2.41E-08	0.003095	0.0043391	0.0066132	0.002359	0.00230904	0.456666
682	490286.72	3860135.12	0.02339	0.01537	0.01	0.03304	0.00508	0.0266	0.01508	0.01537	0.43178859	0.00065397	2.398E-08	0.0030792	0.0042146	0.0066206	0.002461	0.00240773	0.446411
683	490336.72	3860135.12	0.02289	0.01604	0.00994	0.03298	0.00495	0.02668	0.01574	0.01604	0.4225584	0.000682477	2.384E-08	0.0030736	0.0041068	0.0066406	0.002569	0.00251269	0.437118
684	490386.72	3860135.12	0.02243	0.01677	0.00987	0.03301	0.00482	0.02679	0.01646	0.01677	0.41406662	0.000713538	2.367E-08	0.0030764	0.0039989	0.0066679	0.002687	0.00262704	0.428583
685	490436.72	3860135.12	0.02202	0.01756	0.00981	0.03313	0.00472	0.02696	0.01723	0.01756	0.40649785	0.000747151	2.353E-08	0.0030876	0.003916	0.0067103	0.002812	0.0027508	0.42102
686	490486.72	3860135.12	0.02167	0.01846	0.00975	0.03339	0.00464	0.0272	0.01811	0.01846	0.40003672	0.000785445	2.338E-08	0.0031118	0.0038496	0.00677	0.002956	0.00289178	0.414618
687	490536.72	3860135.12	0.02138	0.01951	0.00968	0.03382	0.00459	0.02755	0.01914	0.01951	0.3946832	0.00083012	2.322E-08	0.0031519	0.0038081	0.0068571	0.003124	0.00305627	0.409398
688	490586.72	3860135.12	0.02115	0.02068	0.00956	0.03432	0.00455	0.02796	0.02029	0.02068	0.39043731	0.000879902	2.293E-08	0.0031985	0.0037749	0.0069591	0.003312	0.00323955	0.405322
689	490636.72	3860135.12	0.02097	0.02202	0.00943	0.03492	0.00453	0.02844	0.02162	0.02202	0.38711444	0.000936917	2.262E-08	0.0032544	0.0037583	0.0070786	0.003529	0.00344946	0.402222
690	490686.72	3860135.12	0.02086	0.02357	0.00931	0.03561	0.00452	0.02899	0.02316	0.02357	0.3850838	0.001002867	2.233E-08	0.0033187	0.00375	0.0072155	0.00378	0.00369227	0.400459
691	490736.72	3860135.12	0.02084	0.02542	0.00924	0.03647	0.00453	0.02967	0.02503	0.02542	0.38471459	0.001081582	2.216E-08	0.0033989	0.0037583	0.0073848	0.004086	0.00398207	0.400442
692	490786.72	3860135.12	0.02092	0.02772	0.00924	0.03756	0.00455	0.03051	0.02735	0.02772	0.38619142	0.001179443	2.216E-08	0.0035004	0.0037749	0.0075938	0.004464	0.00434237	0.402362
693	490836.72	3860135.12	0.02106	0.03037	0.00923	0.03861	0.00456	0.03136	0.03006	0.03037	0.38877588	0.001292197	2.214E-08	0.0035983	0.0037832	0.0078054	0.004907	0.0047575	0.405404
694	490086.72	3860185.12	0.02526	0.01209	0.00841	0.03317	0.00571	0.02578	0.01181	0.01209	0.46630953	0.000514411	2.017E-08	0.0030913	0.0047373	0.0064166	0.001928	0.00189391	0.481103
695	490136.72	3860185.12	0.02453	0.01253	0.00883	0.03259	0.00555	0.02567	0.01225	0.01253	0.45283344	0.000533132	2.118E-08	0.0030373	0.0046046	0.0063892	0.002	0.00196284	0.467434
696	490186.72	3860185.12	0.02385	0.01299	0.00905	0.03212	0.00538	0.02557	0.01272	0.01299	0.44028037	0.000552704	2.17E-08	0.0029935	0.0044635	0.0063643	0.002076	0.0020349	0.454696
697	490236.72	3860185.12	0.02322	0.01347	0.00908	0.03173	0.00521	0.02549	0.0132	0.01347	0.42865033	0.000573128	2.178E-08	0.0029571	0.0043225	0.0063444	0.002155	0.00211009	0.442892
698	490286.72	3860185.12	0.02265	0.01399	0.00904	0.03144	0.00505	0.02544	0.01372	0.01399	0.4181279	0.000595253	2.168E-08	0.0029301	0.0041898	0.0063319	0.002239	0.00219155	0.432223
699	490336.72	3860185.12	0.02213	0.01454	0.00898	0.03124	0.0049	0.02542	0.01428	0.01454	0.4085285	0.000618655	2.154E-08	0.0029114	0.0040653	0.006327	0.002331	0.00227771	0.422504
700	490386.72	3860185.12	0.02165	0.01514	0.00892	0.03114	0.00477	0.02545	0.01487	0.01514	0.39966751	0.000644184	2.139E-08	0.0029021	0.0039575	0.0063344	0.002427	0.0023717	0.413561
701	490436.72	3860185.12	0.02123	0.0158	0.00888	0.03113	0.00466	0.02552	0.01552	0.0158	0.39191414	0.000672266	2.13E-08	0.0029012	0.0038662	0.0063518	0.002533	0.00247509	0.405764
702	490486.72	3860185.12	0.02085	0.01652	0.00884	0.0312	0.00456	0.02563	0.01622	0.01652	0.38489919	0.000702901	2.12E-08	0.0029077	0.0037832	0.0063792	0.002648	0.00258788	0.398732
703	490536.72	3860185.12	0.02052	0.01734	0.00881	0.03139	0.00449	0.02582	0.01703	0.01734	0.37880727	0.00073779	2.113E-08	0.0029254	0.0037252	0.0064265	0.00278	0.00271633	0.392686
704	490586.72	3860185.12	0.02025	0.01827	0.00876	0.0317	0.00445	0.02608	0.01795	0.01827	0.37382296	0.00077736	2.101E-08	0.0029543	0.003692	0.0064912	0.00293	0.00286202	0.387806
705	490636.72	3860185.12	0.02001	0.0193	0.00866	0.032	0.00441	0.02636	0.01896	0.0193	0.36939246	0.000821185	2.077E-08	0.0029823	0.0036588	0.0065609	0.003095	0.00302337	0.383487
706	490686.72	3860185.12	0.01985	0.02049	0.00856	0.03243	0.00439	0.02672	0.02015	0.02049	0.3664388	0.000871818	2.053E-08	0.0030223	0.0036422	0.0066505	0.003289	0.00320978	0.380705
707	490736.72	3860185.12	0.01972	0.02183	0.00844	0.03286	0.00438	0.0271	0.0215	0.02183	0.36403895	0.000928833	2.024E-08	0.0030624	0.0036339	0.0067451	0.003509	0.0034197	0.378499
708	490786.72	3860185.12	0.01967	0.02347	0.00837	0.03345	0.00439	0.0276	0.02316	0.02347	0.36311593	0.000998612	2.007E-08	0.0031174	0.0036422	0.0068695	0.00378	0.0036766	0.377847
709	490836.72	3860185.12	0.01969	0.02541	0.00833	0.03411	0.0044	0.02816	0.02514	0.02541	0.36348514	0.001081156	1.998E-08	0.0031789	0.0036505	0.0070089	0.004104	0.00398051	0.378528
710	490086.72	3860235.12	0.02452	0.01125	0.00748	0.03211	0.00568	0.02491	0.01099	0.01125	0.45264884	0.00047867	1.794E-08	0.0029925	0.0047124	0.0062	0.001794	0.00176233	0.467064
711	490136.72	3860235.12	0.02377	0.01162	0.00789	0.03146	0.00552	0.02474	0.01136	0.01162	0.43880354	0.000494413	1.892E-08	0.0029319	0.0045797	0.0061577	0.001854	0.00182029	0.453001
712	490186.72	3860235.12	0.02309	0.01201	0.00816	0.03092	0.00536	0.02461	0.01176	0.01201	0.42625048	0.000511007	1.957E-08	0.0028816	0.004447	0.0061253	0.00192	0.00188138	0.440254
713	490236.72	3860235.12	0.02245	0.01243	0.00826	0.03046	0.0052	0.02448	0.01218	0.01243	0.41443582	0.000528877	1.981E-08	0.0028387	0.0043142	0.006093	0.001988	0.00194717	0.428252
714	490286.72	3860235.12	0.02187	0.01287	0.00824	0.03008	0.00503	0.02438	0.01262	0.01287	0.4037288	0.000547599	1.976E-08	0.0028033	0.0041732	0.0060681	0.00206	0.0020161	0.417365
715	490336.72	3860235.12	0.02134	0.01334	0.00819	0.02979	0.00488	0.02431	0.0131	0.01334	0.39394479	0.000567596	1.964E-08	0.0027763	0.0040487	0.0060507	0.002138	0.00208973	0.407437
716	490386.72	3860235.12	0.02086	0.01385	0.00814	0.02958	0.00474	0.02427	0.01361	0.01385	0.3850838	0.000589296	1.952E-08	0.0027567	0.0039326	0.0060407	0.002222	0.00216962	0.398455
717	490436.72	3860235.12	0.02042	0.01441	0.00809	0.02946	0.00462	0.02426	0.01416	0.01441	0.37696123	0.000613123	1.94E-08	0.0027456	0.003833	0.0060382	0.002311	0.00225734	0.390245
718	490486.72	3860235.12	0.02003	0.015	0.00805	0.02939	0.00451	0.02429	0.01475	0.015	0.36976167	0.000638227	1.931E-08	0.002739	0.0037417	0.0060457	0.002408	0.00234977	0.382984
719	490536.72	3860235.12	0.01968	0.01568	0.00804	0.02942	0.00442	0.02437	0.01541	0.01568	0.36330054	0.00066716	1.928E-08	0.0027418	0.0036671	0.0060656	0.002515	0.00245629	0.376501
720	490586.72	3860235.12	0.01938	0.01643	0.00802	0.02953	0.00435	0.0245	0.01615	0.01643	0.35776242	0.000699071	1.923E-08	0.0027521	0.003609	0.006098	0.002636	0.00257378	0.370983
721	490636.72	3860235.12	0.01912	0.01727	0.00798	0.02968	0.0043	0.02467	0.01698	0.01727	0.35296272	0.000734812	1.914E-08	0.0027661	0.0035675	0.0061403	0.002772	0.00270537	0.366238
722	490686.72	3860235.12	0.0189	0.01822	0.00791	0.02989	0.00427	0.02488	0.01793	0.01822	0.34890143	0.000775233	1.897E-08	0.0027856	0.0035426	0.0061925	0.002927	0.00285419	0.36227
723	490736.72	3860235.12	0.01874	0.01929	0.00782	0.03014	0.00425	0.02512	0.01901	0.01929	0.34594777	0.00082076	1.876E-08	0.0028089	0.003526	0.0062523	0.003103	0.0030218	0.359437
724	490786.72	3860235.12	0.01861	0.02054	0.00772	0.03042	0.00425	0.02539	0.02025	0.02054	0.34354791	0.000873945	1.852E-08	0.002835	0.003526	0.0063195	0.003305	0.00321762	0.35719
725	490086.72	3860285.12	0.02368	0.01054	0.00671	0.03115	0.00564	0.02403	0.01029	0.01054	0.43714211	0.000448461	1.609E-08	0.0029031	0.0046793	0.005981	0.00168	0.0016511	0.451182
726	490136.72	3860285.12	0.02294	0.01086	0.00709	0.03045	0.0055	0.02384	0.01061	0.01086	0.42348142	0.000462076	1.7E-08	0.0028378	0.0045631	0.0059337	0.001732	0.00170123	0.437309
727	490186.72	3860285.12	0.02225	0.01119	0.00739	0.02984	0.00534	0.02366	0.01095	0.01119	0.41074375	0.000476117	1.772E-08	0.002781	0.0044304	0.0058889	0.001787	0.00175293	0.424355
728	490236.72	3860285.12	0.02163	0.01156	0.00755	0.02933	0.00519	0.02352	0.01132	0.01156	0.3992983	0.00049186	1.811E-08	0.0027334	0.0043059	0.005854	0.001848	0.00181089	0.41272
729	490286.72	3860285.12	0.02104	0.01193	0.00756	0.02889	0.00502	0.02337	0.0117	0.01193	0.38840667	0.000507603	1.813E-08	0.0026924	0.0041649	0.0058167	0.00191	0.00186885	0.401629
730	490336.72	3860285.12	0.02051	0.01234	0.00752	0.02852	0.00486	0.02326	0.01212	0.01234	0.37862266	0.000525048	1.804E-08	0.0026579	0.0040321	0.0057893	0.001978	0.00193308	0.391672
731	490386.72	3860285.12	0.02004	0.01279	0.00748	0.02824	0.00472	0.02318	0.01257	0.01279	0.36994628	0.000544195	1.794E-08	0.0026319	0.003916	0.0057694	0.002052	0.00200357	0.382856
732	490436.72	3860285.12	0.0196	0.01326	0.00742	0.02801	0.00458	0.02312	0.01304	0.01326	0.3618237	0.000564193	1.78E-08	0.0026104	0.0037998	0.0057545	0.002129	0.0020772	0.374604
733	490486.72	3860285.12	0.0192	0.01378	0.00739	0.02786	0.00446	0.02309	0.01356	0.01378	0.35443955	0.000586318	1.772E-08	0.0025964	0.0037003	0.005747	0.002213	0.00215865	0.367124
734	490536.72	3860285.12	0.01884	0.01434	0.00736	0.02774	0.00436	0.02309	0.01412	0.01434	0.3477938	0.000610145	1.765E-08	0.0025853	0.0036173	0.005747	0.002305	0.00224638	0.360412
735	490586.72	3860285.12	0.01852	0.01496	0.00735	0.0277	0.00428	0.02312	0.01473	0.01496	0.34188648	0.000636525	1.763E-08	0.0025815	0.0035509	0.0057545	0.002404	0.0023435	0.354471
736	490636.72	3860285.12	0.01824	0.01566	0.00734	0.02772	0.00421	0.0232	0.01542	0.01566	0.33671757	0.000666309	1.76E-08	0.0025834	0.0034928	0.0057744	0.002517	0.00245316	0.349298
737	490686.72	3860285.12	0.01801	0.01646	0.00732	0.02779	0.00417	0.02332	0.01621	0.01646	0.33247168	0.000700348	1.756E-08	0.0025899	0.0034597	0.0058043	0.002646	0.00257848	0.345093

738	490736.72	3860285.12	0.01781	0.01734	0.00727	0.02789	0.00414	0.02346	0.01709	0.01734	0.3287796	0.00073779	1.744E-08	0.0025992	0.0034348	0.0058391	0.00279	0.00271633	0.341464
739	490786.72	3860285.12	0.01765	0.01836	0.00719	0.02804	0.00413	0.02365	0.01811	0.01836	0.32582594	0.00078119	1.724E-08	0.0026132	0.0034265	0.0058864	0.002956	0.00287612	0.338613
740	490086.72	3860335.12	0.02273	0.00994	0.00607	0.03027	0.00559	0.02313	0.00971	0.00994	0.41960473	0.000422932	1.456E-08	0.002821	0.0046378	0.005757	0.001585	0.00155711	0.433271
741	490136.72	3860335.12	0.02201	0.01022	0.0064	0.02953	0.00546	0.02292	0.00999	0.01022	0.40631325	0.000434845	1.535E-08	0.0027521	0.0045299	0.0057047	0.001631	0.00160098	0.419764
742	490186.72	3860335.12	0.02134	0.01051	0.00671	0.02888	0.00532	0.02272	0.01027	0.01051	0.39394479	0.000447184	1.609E-08	0.0026915	0.0044138	0.0056549	0.001676	0.0016464	0.407182
743	490236.72	3860335.12	0.02074	0.01082	0.00692	0.02833	0.00517	0.02256	0.0106	0.01082	0.38286855	0.000460374	1.66E-08	0.0026402	0.0042893	0.0056151	0.00173	0.00169497	0.395909
744	490286.72	3860335.12	0.02017	0.01115	0.00698	0.02783	0.00501	0.0224	0.01093	0.01115	0.37234613	0.000474415	1.674E-08	0.0025936	0.0041566	0.0055753	0.001784	0.00174666	0.385183
745	490336.72	3860335.12	0.01965	0.01151	0.00696	0.02741	0.00485	0.02226	0.01129	0.01151	0.36274672	0.000489733	1.669E-08	0.0025545	0.0040238	0.0055404	0.001843	0.00180306	0.375395
746	490386.72	3860335.12	0.01918	0.01189	0.00691	0.02706	0.0047	0.02215	0.01168	0.01189	0.35407034	0.000505901	1.657E-08	0.0025219	0.0038994	0.0055131	0.001907	0.00186258	0.366555
747	490436.72	3860335.12	0.01875	0.0123	0.00686	0.02676	0.00456	0.02206	0.01211	0.0123	0.34613237	0.000523346	1.645E-08	0.0024939	0.0037832	0.0054907	0.001977	0.00192681	0.358473
748	490486.72	3860335.12	0.01835	0.01275	0.00682	0.02652	0.00443	0.02199	0.01256	0.01275	0.33874821	0.000542493	1.636E-08	0.0024716	0.0036754	0.0054732	0.00205	0.0019973	0.350964
749	490536.72	3860335.12	0.018	0.01324	0.00679	0.02634	0.00432	0.02195	0.01305	0.01324	0.33228707	0.000563342	1.628E-08	0.0024548	0.0035841	0.0054633	0.00213	0.00207406	0.344409
750	490586.72	3860335.12	0.01767	0.01378	0.00677	0.02618	0.00422	0.02192	0.01358	0.01378	0.32619515	0.000586318	1.624E-08	0.0024399	0.0035011	0.0054558	0.002217	0.00215865	0.338236
751	490636.72	3860335.12	0.01739	0.01437	0.00677	0.02609	0.00415	0.02193	0.01417	0.01437	0.32102624	0.000611421	1.624E-08	0.0024315	0.0034431	0.0054583	0.002313	0.00225108	0.333032
752	490686.72	3860335.12	0.01714	0.01504	0.00677	0.02605	0.00409	0.02198	0.01483	0.01504	0.31641114	0.000639929	1.624E-08	0.0024278	0.0033933	0.0054707	0.002421	0.00235603	0.328408
753	490736.72	3860335.12	0.01692	0.01579	0.00675	0.02605	0.00404	0.02206	0.01557	0.01579	0.31234985	0.00067184	1.619E-08	0.0024278	0.0033518	0.0054907	0.002541	0.00247352	0.32436
754	490786.72	3860335.12	0.01675	0.01665	0.00673	0.02611	0.00402	0.0222	0.01643	0.01665	0.30921158	0.000708432	1.614E-08	0.0024333	0.0033352	0.0055255	0.002682	0.00260824	0.321288
755	490086.72	3860385.12	0.02168	0.00944	0.00555	0.02948	0.00554	0.02222	0.00922	0.00944	0.40022132	0.000401657	1.331E-08	0.0027474	0.0045963	0.0055305	0.001505	0.00147879	0.413523
756	490136.72	3860385.12	0.02099	0.00968	0.00582	0.02871	0.00543	0.022	0.00946	0.00968	0.38748365	0.000411869	1.396E-08	0.0026757	0.004505	0.0054757	0.001544	0.00151638	0.40058
757	490186.72	3860385.12	0.02035	0.00993	0.00611	0.02801	0.00529	0.02178	0.00971	0.00993	0.375669	0.000422506	1.465E-08	0.0026104	0.0043889	0.005421	0.001585	0.00155555	0.388541
758	490236.72	3860385.12	0.01977	0.0102	0.00635	0.02741	0.00515	0.02161	0.00998	0.0102	0.36496197	0.000433994	1.523E-08	0.0025545	0.0042727	0.0053787	0.001629	0.00159784	0.377633
759	490286.72	3860385.12	0.01923	0.01049	0.00646	0.02689	0.005	0.02144	0.01028	0.01049	0.35499336	0.000446333	1.549E-08	0.002506	0.0041483	0.0053363	0.001678	0.00164327	0.367465
760	490336.72	3860385.12	0.01873	0.0108	0.00647	0.02643	0.00485	0.02129	0.01059	0.0108	0.34576316	0.000459523	1.552E-08	0.0024632	0.0040238	0.005299	0.001729	0.00169183	0.358045
761	490386.72	3860385.12	0.01828	0.01113	0.00643	0.02602	0.00469	0.02116	0.01094	0.01113	0.33745598	0.000473564	1.542E-08	0.002425	0.0038911	0.0052667	0.001786	0.00174353	0.349554
762	490436.72	3860385.12	0.01786	0.0115	0.00638	0.02567	0.00455	0.02105	0.01131	0.0115	0.32970262	0.000489307	1.53E-08	0.0023923	0.0037749	0.0052393	0.001846	0.00180149	0.341643
763	490486.72	3860385.12	0.01749	0.01189	0.00633	0.02538	0.00442	0.02097	0.01171	0.01189	0.32287227	0.000505901	1.518E-08	0.0023653	0.0036671	0.0052194	0.001911	0.00186258	0.334679
764	490536.72	3860385.12	0.01714	0.01232	0.0063	0.02513	0.00429	0.0209	0.01214	0.01232	0.31641114	0.000524197	1.511E-08	0.002342	0.0035592	0.0052019	0.001982	0.00192994	0.32809
765	490586.72	3860385.12	0.01682	0.01279	0.00628	0.02492	0.00419	0.02085	0.01261	0.01279	0.31050381	0.000544195	1.506E-08	0.0023224	0.0034763	0.0051895	0.002058	0.00200357	0.322091
766	490636.72	3860385.12	0.01654	0.0133	0.00626	0.02474	0.00409	0.02081	0.01312	0.0133	0.3053349	0.000565894	1.501E-08	0.0023057	0.0033933	0.0051795	0.002142	0.00208346	0.316837
767	490686.72	3860385.12	0.01629	0.01388	0.00627	0.02462	0.00402	0.02083	0.01369	0.01388	0.3007198	0.000590573	1.504E-08	0.0022945	0.0033352	0.0051845	0.002235	0.00217432	0.312185
768	490736.72	3860385.12	0.01606	0.01451	0.00627	0.02453	0.00396	0.02085	0.01432	0.01451	0.29647391	0.000617378	1.504E-08	0.0022861	0.0032854	0.0051895	0.002337	0.00227301	0.307917
769	490786.72	3860385.12	0.01586	0.01523	0.00626	0.02447	0.00392	0.0209	0.01503	0.01523	0.29278183	0.000648013	1.501E-08	0.0022805	0.0032522	0.0052019	0.002453	0.0023858	0.304232
770	490136.72	3860435.12	0.01988	0.00922	0.00532	0.02795	0.00537	0.02105	0.00902	0.00922	0.36699261	0.000392297	1.276E-08	0.0026048	0.0044552	0.0052393	0.001472	0.00144432	0.379712
771	490186.72	3860435.12	0.01929	0.00945	0.00559	0.02724	0.00526	0.02084	0.00924	0.00945	0.35610098	0.000402083	1.341E-08	0.0025387	0.004364	0.005187	0.001508	0.00148035	0.368621
772	490236.72	3860435.12	0.01874	0.00968	0.00584	0.0266	0.00512	0.02066	0.00948	0.00968	0.34594777	0.000411869	1.401E-08	0.002479	0.0042478	0.0051422	0.001547	0.00151638	0.35826
773	490286.72	3860435.12	0.01824	0.00993	0.00599	0.02605	0.00498	0.02049	0.00973	0.00993	0.33671757	0.000422506	1.437E-08	0.0024278	0.0041317	0.0050999	0.001588	0.00155555	0.348832
774	490336.72	3860435.12	0.01777	0.0102	0.00603	0.02555	0.00483	0.02033	0.01	0.0102	0.32804118	0.000433994	1.446E-08	0.0023812	0.0040072	0.0050601	0.001632	0.00159784	0.339958
775	490386.72	3860435.12	0.01735	0.0105	0.00601	0.02512	0.00469	0.0202	0.0103	0.0105	0.32028782	0.000446759	1.441E-08	0.0023411	0.0038911	0.0050277	0.001681	0.00164484	0.332031
776	490436.72	3860435.12	0.01695	0.01081	0.00596	0.02473	0.00454	0.02008	0.01063	0.01081	0.31290366	0.000459949	1.429E-08	0.0023047	0.0037666	0.0049978	0.001735	0.0016934	0.324475
777	490486.72	3860435.12	0.0166	0.01116	0.00591	0.02439	0.0044	0.01998	0.01098	0.01116	0.30644252	0.000474841	1.417E-08	0.002273	0.0036505	0.004973	0.001792	0.00174823	0.317858
778	490536.72	3860435.12	0.01627	0.01153	0.00588	0.02409	0.00428	0.0199	0.01137	0.01153	0.30035059	0.000490584	1.41E-08	0.0022451	0.0035509	0.004953	0.001856	0.00180619	0.31164
779	490586.72	3860435.12	0.01597	0.01194	0.00584	0.02383	0.00416	0.01984	0.01178	0.01194	0.29481248	0.000508029	1.401E-08	0.0022209	0.0034514	0.0049381	0.001923	0.00187042	0.305983
780	490636.72	3860435.12	0.01569	0.01239	0.00582	0.0236	0.00405	0.01979	0.01223	0.01239	0.28964357	0.000527175	1.396E-08	0.0021994	0.0033601	0.0049257	0.001996	0.00194091	0.300711
781	490686.72	3860435.12	0.01544	0.01289	0.00582	0.02342	0.00397	0.01977	0.01272	0.01289	0.28502847	0.00054845	1.396E-08	0.0021826	0.0032937	0.0049207	0.002076	0.00201923	0.296031
782	490736.72	3860435.12	0.01522	0.01344	0.00583	0.02329	0.0039	0.01978	0.01328	0.01344	0.28096718	0.000571851	1.398E-08	0.0021705	0.0032357	0.0049232	0.002168	0.00210539	0.291931
783	490786.72	3860435.12	0.01501	0.01406	0.00584	0.02317	0.00385	0.01979	0.01388	0.01406	0.2770905	0.000598231	1.401E-08	0.0021593	0.0031942	0.0049257	0.002266	0.00220252	0.288031
784	490136.72	3860485.12	0.01872	0.00885	0.00492	0.02728	0.00533	0.02012	0.00866	0.00885	0.34557856	0.000376554	1.18E-08	0.0025424	0.0044221	0.0050078	0.001414	0.00138636	0.357955
785	490186.72	3860485.12	0.01817	0.00904	0.00514	0.02654	0.00522	0.01991	0.00885	0.00904	0.33542534	0.000384638	1.233E-08	0.0024734	0.0043308	0.0049555	0.001445	0.00141613	0.347598
786	490236.72	3860485.12	0.01767	0.00925	0.00538	0.02589	0.00509	0.01972	0.00905	0.00925	0.32619515	0.000393573	1.29E-08	0.0024128	0.0042229	0.0049082	0.001477	0.00144902	0.338161
787	490286.72	3860485.12	0.01721	0.00947	0.00556	0.02531	0.00496	0.01956	0.00928	0.00947	0.31770336	0.000402934	1.333E-08	0.0023588	0.0041151	0.0048684	0.001515	0.00148349	0.32948
788	490336.72	3860485.12	0.01678	0.00971	0.00564	0.02479	0.00482	0.01941	0.00951	0.00971	0.3097654	0.000413146	1.353E-08	0.0023103	0.0039989	0.0048311	0.001552	0.00152108	0.32135
789	490386.72	3860485.12	0.01639	0.00997	0.00565	0.02434	0.00468	0.01928	0.00978	0.00997	0.30256584	0.000424208	1.355E-08	0.0022684	0.0038828	0.0047987	0.001596	0.00156181	0.313975
790	490436.72	3860485.12	0.01604	0.01025	0.00562	0.02394	0.00455	0.01918	0.01007	0.01025	0.2961047	0.000436122	1.348E-08	0.0022311	0.0037749	0.0047738	0.001644	0.00160567	0.307359
791	490486.72	3860485.12	0.0157	0.01055	0.00556	0.02356	0.0044	0.01907	0.01038	0.01055	0.28982817	0.000448886	1.333E-08	0.0021957	0.0036505	0.0047465	0.001694	0.00165267	0.300911
792	490536.72	3860485.12	0.01539	0.01087	0.00551	0.02321	0.00427	0.01897	0.01071	0.01087	0.28410545	0.000462502	1.321E-08	0.0021631	0.0035426	0.0047216	0.001748	0.0017028	0.295041
793	490586.72	3860485.12	0.01511	0.01122	0.00547	0.02291	0.00414	0.0189	0.01107	0.01122	0.27893654	0.000477394	1.312E-08	0.0021351	0.0034348	0.0047041	0.001807	0.00175763	0.289737
794	490636.72	3860485.12	0.01485	0.01162	0.00545	0.02265	0.00403	0.01885	0.01147	0.01162	0.27413684	0.000494413	1.307E-08	0.0021109	0.0033435	0.0046917	0.001872	0.00182029	0.284829

795	490686.72	3860485.12	0.01461	0.01204	0.00543	0.02241	0.00393	0.0188	0.0119	0.01204	0.26970634	0.000512283	1.302E-08	0.0020885	0.0032605	0.0046793	0.001942	0.00188608	0.280303
796	490736.72	3860485.12	0.01439	0.01253	0.00543	0.02223	0.00385	0.01879	0.01238	0.01253	0.26564506	0.000533132	1.302E-08	0.0020717	0.0031942	0.0046768	0.002021	0.00196284	0.276179
797	490786.72	3860485.12	0.01419	0.01306	0.00544	0.02207	0.00378	0.01879	0.01291	0.01306	0.26195298	0.000555683	1.305E-08	0.0020568	0.0031361	0.0046768	0.002107	0.00204586	0.27244
798	490136.72	3860535.12	0.01751	0.00852	0.00457	0.02668	0.00527	0.01919	0.00834	0.00852	0.32324148	0.000362513	1.096E-08	0.0024865	0.0043723	0.0047763	0.001361	0.00133467	0.335266
799	490186.72	3860535.12	0.01704	0.0087	0.00477	0.02593	0.00519	0.01901	0.00852	0.0087	0.3145651	0.000370172	1.144E-08	0.0024166	0.0043059	0.0047315	0.001391	0.00136287	0.326417
800	490236.72	3860535.12	0.01658	0.00889	0.00497	0.02526	0.00506	0.01881	0.0087	0.00889	0.30607332	0.000378256	1.192E-08	0.0023541	0.0041981	0.0046817	0.00142	0.00139263	0.317713
801	490286.72	3860535.12	0.01616	0.00908	0.00516	0.02466	0.00494	0.01865	0.00889	0.00908	0.29831995	0.00038634	1.238E-08	0.0022982	0.0040985	0.0046419	0.001451	0.00142239	0.309774
802	490336.72	3860535.12	0.01578	0.0093	0.00528	0.02413	0.00481	0.01851	0.00911	0.0093	0.291305	0.000395701	1.266E-08	0.0022488	0.0039906	0.0046071	0.001487	0.00145686	0.302577
803	490386.72	3860535.12	0.01544	0.00953	0.00533	0.02367	0.00468	0.0184	0.00934	0.00953	0.28502847	0.000405487	1.278E-08	0.0022059	0.0038828	0.0045797	0.001525	0.00149289	0.296134
804	490436.72	3860535.12	0.01512	0.00977	0.00531	0.02324	0.00455	0.0183	0.0096	0.00977	0.27912114	0.000415698	1.274E-08	0.0021659	0.0037749	0.0045548	0.001567	0.00153048	0.290069
805	490486.72	3860535.12	0.01482	0.01004	0.00527	0.02285	0.00441	0.01821	0.00987	0.01004	0.27358302	0.000427187	1.264E-08	0.0021295	0.0036588	0.0045324	0.001611	0.00157278	0.284369
806	490536.72	3860535.12	0.01456	0.01033	0.00525	0.02253	0.00429	0.01817	0.01017	0.01033	0.26878332	0.000439526	1.259E-08	0.0020997	0.0035592	0.0045225	0.00166	0.00161821	0.279446
807	490586.72	3860535.12	0.01427	0.01063	0.00516	0.02215	0.00414	0.01803	0.01048	0.01063	0.26342981	0.00045229	1.238E-08	0.0020643	0.0034348	0.0044876	0.001711	0.0016652	0.273914
808	490636.72	3860535.12	0.01403	0.01097	0.00513	0.02184	0.00402	0.01797	0.01082	0.01097	0.25899931	0.000466757	1.23E-08	0.0020354	0.0033352	0.0044727	0.001766	0.00171846	0.269357
809	490686.72	3860535.12	0.01381	0.01134	0.0051	0.02158	0.00391	0.01793	0.0112	0.01134	0.25493803	0.0004825	1.223E-08	0.0020112	0.003244	0.0044627	0.001828	0.00177642	0.26519
810	490736.72	3860535.12	0.01359	0.01175	0.00509	0.02134	0.00381	0.01789	0.01161	0.01175	0.25087674	0.000499944	1.221E-08	0.0019888	0.003161	0.0044528	0.001895	0.00184065	0.261034
811	490786.72	3860535.12	0.0134	0.01222	0.00509	0.02114	0.00374	0.01788	0.01208	0.01222	0.24736927	0.000519942	1.221E-08	0.0019702	0.0031029	0.0044503	0.001972	0.00191428	0.25747
812	490136.72	3860585.12	0.01631	0.00822	0.00428	0.02615	0.00522	0.0183	0.00805	0.00822	0.30108901	0.000349748	1.026E-08	0.0024371	0.0043308	0.0045548	0.001314	0.00128767	0.312788
813	490186.72	3860585.12	0.01585	0.00837	0.0044	0.02537	0.0051	0.01805	0.0082	0.00837	0.29259723	0.000356131	1.055E-08	0.0023644	0.0042312	0.0044926	0.001338	0.00131117	0.304069
814	490236.72	3860585.12	0.01547	0.00855	0.0046	0.0247	0.00501	0.01791	0.00838	0.00855	0.28558228	0.000363789	1.103E-08	0.0023019	0.0041566	0.0044577	0.001368	0.00133937	0.296891
815	490286.72	3860585.12	0.01512	0.00874	0.00481	0.0241	0.00491	0.01778	0.00856	0.00874	0.27912114	0.000371874	1.154E-08	0.002246	0.0040736	0.0044254	0.001397	0.00136913	0.290266
816	490336.72	3860585.12	0.01479	0.00894	0.00495	0.02355	0.00479	0.01764	0.00876	0.00894	0.27302921	0.000380383	1.187E-08	0.0021948	0.003974	0.0043905	0.00143	0.00140046	0.283998
817	490386.72	3860585.12	0.01448	0.00914	0.00502	0.02306	0.00466	0.01753	0.00896	0.00914	0.26730649	0.000388893	1.204E-08	0.0021491	0.0038662	0.0043632	0.001463	0.00143179	0.278105
818	490436.72	3860585.12	0.01422	0.00937	0.00505	0.02265	0.00455	0.01748	0.0092	0.00937	0.26250679	0.000398679	1.211E-08	0.0021109	0.0037749	0.0043507	0.001502	0.00146782	0.273176
819	490486.72	3860585.12	0.01397	0.00961	0.00504	0.02226	0.00443	0.01744	0.00944	0.00961	0.25789169	0.000408891	1.209E-08	0.0020745	0.0036754	0.0043408	0.001541	0.00150542	0.268427
820	490536.72	3860585.12	0.01371	0.00987	0.00498	0.02188	0.00429	0.01735	0.00971	0.00987	0.25309199	0.000419953	1.194E-08	0.0020391	0.0035592	0.0043184	0.001585	0.00154615	0.263467
821	490586.72	3860585.12	0.01344	0.01013	0.00488	0.02146	0.00413	0.01719	0.00997	0.01013	0.24810768	0.000431016	1.17E-08	0.002	0.0034265	0.0042785	0.001627	0.00158688	0.258284
822	490636.72	3860585.12	0.01323	0.01043	0.00485	0.02114	0.00401	0.01714	0.01028	0.01043	0.244231	0.00044378	1.163E-08	0.0019702	0.0033269	0.0042661	0.001678	0.00163387	0.254282
823	490686.72	3860585.12	0.01302	0.01075	0.00482	0.02084	0.00389	0.01709	0.01061	0.01075	0.24035432	0.000457396	1.156E-08	0.0019422	0.0032274	0.0042536	0.001732	0.001684	0.250283
824	490736.72	3860585.12	0.01283	0.01111	0.0048	0.02058	0.00379	0.01706	0.01098	0.01111	0.23684684	0.000472713	1.151E-08	0.001918	0.0031444	0.0042462	0.001792	0.0017404	0.24668
825	490786.72	3860585.12	0.01264	0.01151	0.00478	0.02033	0.0037	0.01703	0.01137	0.01151	0.23333937	0.000489733	1.146E-08	0.0018947	0.0030697	0.0042387	0.001856	0.00180306	0.243085
826	490136.72	3860635.12	0.01515	0.00791	0.00404	0.02565	0.00518	0.01746	0.00776	0.00791	0.27967495	0.000336558	9.689E-09	0.0023905	0.0042976	0.0043457	0.001267	0.00123911	0.291073
827	490186.72	3860635.12	0.01476	0.00808	0.00414	0.0249	0.00508	0.01726	0.00792	0.00808	0.2724754	0.000343792	9.929E-09	0.0023206	0.0042146	0.004296	0.001293	0.00126574	0.283677
828	490236.72	3860635.12	0.0144	0.00825	0.00429	0.02421	0.00497	0.01706	0.00808	0.00825	0.26582966	0.000351025	1.029E-08	0.0022563	0.0041234	0.0042462	0.001319	0.00129237	0.276833
829	490286.72	3860635.12	0.01409	0.00842	0.00447	0.02359	0.00487	0.01692	0.00825	0.00842	0.26010694	0.000358258	1.072E-08	0.0021985	0.0040404	0.0042113	0.001347	0.001319	0.270943
830	490336.72	3860635.12	0.01381	0.00861	0.00464	0.02303	0.00476	0.01681	0.00843	0.00861	0.25493803	0.000366342	1.113E-08	0.0021463	0.0039492	0.004184	0.001376	0.00134877	0.265611
831	490386.72	3860635.12	0.01355	0.0088	0.00474	0.02253	0.00465	0.01671	0.00863	0.0088	0.25013833	0.000374426	1.137E-08	0.0020997	0.0038579	0.0041591	0.001409	0.00137853	0.26066
832	490436.72	3860635.12	0.0133	0.00901	0.00477	0.02207	0.00452	0.01662	0.00883	0.00901	0.24552323	0.000383362	1.144E-08	0.0020568	0.00375	0.0041367	0.001441	0.00141143	0.25588
833	490486.72	3860635.12	0.01307	0.00923	0.00475	0.02165	0.0044	0.01655	0.00906	0.00923	0.24127734	0.000392722	1.139E-08	0.0020177	0.0036505	0.0041192	0.001479	0.00144589	0.25149
834	490536.72	3860635.12	0.01286	0.00947	0.00472	0.02127	0.00428	0.0165	0.0093	0.00947	0.23740065	0.000402934	1.132E-08	0.0019823	0.0035509	0.0041068	0.001518	0.00148349	0.247478
835	490586.72	3860635.12	0.01265	0.00971	0.00465	0.02088	0.00414	0.01641	0.00955	0.00971	0.23352397	0.000413146	1.115E-08	0.0019459	0.0034348	0.0040844	0.001559	0.00152108	0.24344
836	490636.72	3860635.12	0.01245	0.00997	0.00461	0.02054	0.00401	0.01636	0.00983	0.00997	0.22983189	0.000424208	1.106E-08	0.0019142	0.0033269	0.0040719	0.001605	0.00156181	0.239612
837	490686.72	3860635.12	0.01227	0.01026	0.00457	0.02022	0.00389	0.01632	0.01012	0.01026	0.22650902	0.000436547	1.096E-08	0.0018844	0.0032274	0.004062	0.001652	0.00160724	0.236164
838	490736.72	3860635.12	0.01209	0.01057	0.00454	0.01992	0.00378	0.01626	0.01044	0.01057	0.22318615	0.000449737	1.089E-08	0.0018565	0.0031361	0.0040471	0.001704	0.0016558	0.232724
839	490786.72	3860635.12	0.01192	0.01092	0.00452	0.01966	0.00368	0.01624	0.01079	0.01092	0.22004789	0.000464629	1.084E-08	0.0018322	0.0030531	0.0040421	0.001761	0.00171063	0.229491
840	490136.72	3860685.12	0.01398	0.00762	0.00381	0.02523	0.00509	0.01661	0.00747	0.00762	0.25807629	0.000324219	9.138E-09	0.0023513	0.0042229	0.0041342	0.001219	0.00119368	0.269135
841	490186.72	3860685.12	0.01372	0.00777	0.00393	0.02445	0.00506	0.01649	0.00762	0.00777	0.25327659	0.000330602	9.425E-09	0.0022786	0.0041981	0.0041043	0.001244	0.00121718	0.264215
842	490236.72	3860685.12	0.0134	0.00794	0.00404	0.02376	0.00495	0.01631	0.00778	0.00794	0.24736927	0.000337835	9.689E-09	0.0022143	0.0041068	0.0040595	0.00127	0.00124381	0.258114
843	490286.72	3860685.12	0.0131	0.0081	0.00417	0.02313	0.00482	0.0161	0.00794	0.0081	0.24183115	0.000344643	1E-08	0.0021556	0.0039989	0.0040072	0.001296	0.00126887	0.252365
844	490336.72	3860685.12	0.01287	0.00828	0.00435	0.02257	0.00473	0.01602	0.00812	0.00828	0.23758526	0.000352301	1.043E-08	0.0021034	0.0039243	0.0039873	0.001325	0.00129707	0.247981
845	490386.72	3860685.12	0.01265	0.00847	0.00447	0.02205	0.00463	0.01593	0.0083	0.00847	0.23352397	0.000360385	1.072E-08	0.002055	0.0038413	0.0039649	0.001355	0.00132684	0.243774
846	490436.72	3860685.12	0.01243	0.00866	0.00452	0.02157	0.00451	0.01583	0.00849	0.00866	0.22946269	0.00036847	1.084E-08	0.0020102	0.0037417	0.00394	0.001386	0.0013566	0.239552
847	490486.72	3860685.12	0.01223	0.00887	0.00452	0.02113	0.00438	0.01575	0.0087	0.00887	0.22577061	0.000377405	1.084E-08	0.0019692	0.0036339	0.0039201	0.00142	0.0013895	0.235702
848	490536.72	3860685.12	0.01204	0.00909	0.00448	0.02072	0.00426	0.01569	0.00892	0.00909	0.22226313	0.000386765	1.074E-08	0.001931	0.0035343	0.0039052	0.001456	0.00142396	0.232052
849	490586.72	3860685.12	0.01187	0.00932	0.00444	0.02035	0.00413	0.01565	0.00916	0.00932	0.21912487	0.000396552	1.065E-08	0.0018965	0.0034265	0.0038952	0.001495	0.00145999	0.228775
850	490636.72	3860685.12	0.0117	0.00957	0.0044	0.02	0.00401	0.01561	0.00942	0.00957	0.2159866	0.000407189	1.055E-08	0.0018639	0.0033269	0.0038853	0.001538	0.00149915	0.225508
851	490686.72	3860685.12	0.01155	0.00984	0.00437	0.01968	0.0039	0.01558	0.00969	0.00984	0.21321754	0.000418677	1.048E-08	0.0018341	0.0032357	0.0038778	0.001582	0.00154145	0.222624

852	490736.72	3860685.12	0.01139	0.01012	0.00433	0.01937	0.00378	0.01554	0.00998	0.01012	0.21026388	0.00043059	1.038E-08	0.0018052	0.0031361	0.0038679	0.001629	0.00158531	0.219547
853	490786.72	3860685.12	0.01125	0.01043	0.00431	0.0191	0.00368	0.01554	0.0103	0.01043	0.20767942	0.00044378	1.034E-08	0.00178	0.0030531	0.0038679	0.001681	0.00163387	0.216872
854	490136.72	3860735.12	0.01285	0.00732	0.00358	0.02487	0.00496	0.01572	0.00718	0.00732	0.23721605	0.000311455	8.586E-09	0.0023178	0.0041151	0.0039127	0.001172	0.00114669	0.247898
855	490186.72	3860735.12	0.0126	0.00746	0.00364	0.02407	0.0049	0.01557	0.00732	0.00746	0.23260095	0.000317411	8.73E-09	0.0022432	0.0040653	0.0038753	0.001195	0.00116862	0.243128
856	490236.72	3860735.12	0.01237	0.00762	0.00375	0.02336	0.00484	0.01544	0.00747	0.00762	0.22835506	0.000324219	8.994E-09	0.0021771	0.0040155	0.003843	0.001219	0.00119368	0.23874
857	490286.72	3860735.12	0.01216	0.00778	0.00391	0.02272	0.00477	0.01533	0.00763	0.00778	0.22447838	0.000331027	9.378E-09	0.0021174	0.0039575	0.0038156	0.001245	0.00121875	0.234727
858	490336.72	3860735.12	0.01196	0.00795	0.00407	0.02214	0.00468	0.01524	0.0078	0.00795	0.2207863	0.00033826	9.761E-09	0.0020634	0.0038828	0.0037932	0.001273	0.00124538	0.230892
859	490386.72	3860735.12	0.01178	0.00814	0.00421	0.02162	0.0046	0.01516	0.00797	0.00814	0.21746343	0.000346344	1.01E-08	0.0020149	0.0038164	0.0037733	0.001301	0.00127514	0.22744
860	490436.72	3860735.12	0.01162	0.00833	0.00432	0.02115	0.00451	0.01513	0.00817	0.00833	0.21450977	0.000354429	1.036E-08	0.0019711	0.0037417	0.0037658	0.001334	0.0013049	0.224372
861	490486.72	3860735.12	0.01144	0.00853	0.00433	0.0207	0.00438	0.01505	0.00836	0.00853	0.2111869	0.000362938	1.038E-08	0.0019292	0.0036339	0.0037459	0.001365	0.00133623	0.220887
862	490536.72	3860735.12	0.01127	0.00872	0.00429	0.02026	0.00425	0.01495	0.00856	0.00872	0.20804863	0.000371023	1.029E-08	0.0018881	0.003526	0.003721	0.001397	0.001366	0.217586
863	490586.72	3860735.12	0.01111	0.00894	0.00424	0.01986	0.00413	0.01489	0.00878	0.00894	0.20509497	0.000380383	1.017E-08	0.0018509	0.0034265	0.0037061	0.001433	0.00140046	0.214491
864	490636.72	3860735.12	0.01097	0.00917	0.0042	0.0195	0.004	0.01485	0.00902	0.00917	0.20251051	0.000390169	1.007E-08	0.0018173	0.0033186	0.0036961	0.001472	0.00143649	0.211769
865	490686.72	3860735.12	0.01084	0.00943	0.00417	0.01918	0.00389	0.01484	0.00928	0.00943	0.20011066	0.000401232	1E-08	0.0017875	0.0032274	0.0036936	0.001515	0.00147722	0.209258
866	490736.72	3860735.12	0.01072	0.0097	0.00414	0.01887	0.00378	0.01484	0.00956	0.0097	0.19789541	0.00041272	9.929E-09	0.0017586	0.0031361	0.0036936	0.00156	0.00151952	0.206937
867	490136.72	3860785.12	0.0118	0.00702	0.00339	0.02451	0.00484	0.0149	0.00689	0.00702	0.21783264	0.00029869	8.13E-09	0.0022842	0.0040155	0.0037086	0.001125	0.00109969	0.228165
868	490186.72	3860785.12	0.01161	0.00716	0.00344	0.02371	0.00481	0.01478	0.00703	0.00716	0.21432516	0.000304647	8.25E-09	0.0022097	0.0039906	0.0036787	0.001147	0.00112162	0.224535
869	490236.72	3860785.12	0.01142	0.00731	0.00353	0.02299	0.00476	0.01466	0.00717	0.00731	0.21081769	0.000311029	8.466E-09	0.0021426	0.0039492	0.0036488	0.00117	0.00114512	0.220895
870	490286.72	3860785.12	0.01125	0.00746	0.00366	0.02234	0.0047	0.01457	0.00732	0.00746	0.20767942	0.000317411	8.778E-09	0.002082	0.0038994	0.0036264	0.001195	0.00116862	0.217631
871	490336.72	3860785.12	0.01109	0.00763	0.00381	0.02175	0.00463	0.01448	0.00748	0.00763	0.20472576	0.000324645	9.138E-09	0.002027	0.0038413	0.003604	0.001221	0.00119525	0.214548
872	490386.72	3860785.12	0.01095	0.0078	0.00397	0.02122	0.00456	0.01443	0.00765	0.0078	0.2021413	0.000331878	9.521E-09	0.0019776	0.0037832	0.0035916	0.001249	0.00122188	0.211852
873	490436.72	3860785.12	0.01081	0.00798	0.00407	0.02073	0.00446	0.01436	0.00783	0.00798	0.19955685	0.000339537	9.761E-09	0.001932	0.0037003	0.0035742	0.001278	0.00125008	0.209131
874	490486.72	3860785.12	0.01068	0.00818	0.00413	0.02029	0.00437	0.01433	0.00802	0.00818	0.197157	0.000348046	9.905E-09	0.0018909	0.0036256	0.0035667	0.001309	0.00128141	0.206616
875	490536.72	3860785.12	0.01054	0.00837	0.00412	0.01986	0.00425	0.01426	0.00821	0.00837	0.19457254	0.000356131	9.881E-09	0.0018509	0.003526	0.0035493	0.00134	0.00131117	0.203884
876	490586.72	3860785.12	0.0104	0.00857	0.00407	0.01944	0.00412	0.01417	0.00841	0.00857	0.19198809	0.00036464	9.761E-09	0.0018117	0.0034182	0.0035269	0.001373	0.0013425	0.20114
877	490636.72	3860785.12	0.01028	0.00879	0.00402	0.01906	0.004	0.01413	0.00863	0.00879	0.18977284	0.000374001	9.641E-09	0.0017763	0.0033186	0.0035169	0.001409	0.00137696	0.19879
878	490686.72	3860785.12	0.01016	0.00902	0.00399	0.01872	0.00388	0.01411	0.00887	0.00902	0.18755759	0.000383787	9.569E-09	0.0017446	0.0032191	0.0035119	0.001448	0.00141299	0.196452
879	490736.72	3860785.12	0.01006	0.00928	0.00396	0.01841	0.00378	0.01411	0.00914	0.00928	0.18571155	0.00039485	9.497E-09	0.0017157	0.0031361	0.0035119	0.001492	0.00145372	0.194508
880	490086.72	3860835.12	0.01099	0.00662	0.00322	0.0251	0.00474	0.01425	0.0065	0.00662	0.20287972	0.000281671	7.723E-09	0.0023392	0.0039326	0.0035468	0.001061	0.00103703	0.213004
881	490136.72	3860835.12	0.01084	0.00675	0.00323	0.0242	0.00475	0.01415	0.00663	0.00675	0.20011066	0.000287202	7.747E-09	0.0022553	0.0039409	0.0035219	0.001082	0.0010574	0.210141
882	490186.72	3860835.12	0.01069	0.00688	0.00327	0.02338	0.00472	0.01403	0.00675	0.00688	0.1973416	0.000292733	7.843E-09	0.0021789	0.003916	0.003492	0.001102	0.00107776	0.207245
883	490236.72	3860835.12	0.01054	0.00702	0.00333	0.02264	0.00469	0.01392	0.00689	0.00702	0.19457254	0.00029869	7.986E-09	0.00211	0.0038911	0.0034646	0.001125	0.00109969	0.204362
884	490286.72	3860835.12	0.01041	0.00717	0.00345	0.02199	0.00464	0.01384	0.00703	0.00717	0.19217269	0.000305072	8.274E-09	0.0020494	0.0038496	0.0034447	0.001147	0.00112319	0.201846
885	490336.72	3860835.12	0.01028	0.00732	0.00358	0.02139	0.00457	0.01376	0.00717	0.00732	0.18977284	0.000311455	8.586E-09	0.0019935	0.0037915	0.0034248	0.00117	0.00114669	0.199318
886	490386.72	3860835.12	0.01016	0.00748	0.00372	0.02085	0.0045	0.01369	0.00733	0.00748	0.18755759	0.000318262	8.922E-09	0.0019431	0.0037334	0.0034074	0.001196	0.00117175	0.196985
887	490436.72	3860835.12	0.01005	0.00765	0.00385	0.02037	0.00442	0.01364	0.0075	0.00765	0.18552695	0.000325496	9.234E-09	0.0018984	0.0036671	0.0033949	0.001224	0.00119838	0.194839
888	490486.72	3860835.12	0.00994	0.00783	0.00392	0.01991	0.00433	0.0136	0.00767	0.00783	0.18349631	0.000333154	9.401E-09	0.0018555	0.0035924	0.003385	0.001252	0.00122658	0.192688
889	490536.72	3860835.12	0.00983	0.00802	0.00395	0.01948	0.00423	0.01355	0.00786	0.00802	0.18146566	0.000341239	9.473E-09	0.0018155	0.0035094	0.0033725	0.001283	0.00125634	0.190531
890	490586.72	3860835.12	0.00973	0.00821	0.00392	0.01907	0.00411	0.01349	0.00805	0.00821	0.17961962	0.000349323	9.401E-09	0.0017772	0.0034099	0.0033576	0.001314	0.00128611	0.188542
891	490636.72	3860835.12	0.00962	0.00841	0.00388	0.01868	0.004	0.01344	0.00826	0.00841	0.17758898	0.000357833	9.306E-09	0.0017409	0.0033186	0.0033452	0.001348	0.00131744	0.186382
892	490686.72	3860835.12	0.00953	0.00863	0.00384	0.01832	0.00388	0.01342	0.00848	0.00863	0.17592755	0.000367193	9.21E-09	0.0017073	0.0032191	0.0033402	0.001384	0.0013519	0.184594
893	490736.72	3860835.12	0.00944	0.00888	0.0038	0.018	0.00378	0.01342	0.00873	0.00888	0.17426611	0.00037783	9.114E-09	0.0016775	0.0031361	0.0033402	0.001425	0.00139106	0.182832
894	490086.72	3860885.12	0.01007	0.00639	0.00309	0.02481	0.00464	0.01352	0.00627	0.00639	0.18589616	0.000271885	7.411E-09	0.0023122	0.0038496	0.0033651	0.001023	0.001001	0.195717
895	490136.72	3860885.12	0.00995	0.00651	0.00309	0.0239	0.00465	0.01341	0.00639	0.00651	0.18368091	0.00027699	7.411E-09	0.0022274	0.0038579	0.0033377	0.001043	0.0010198	0.193404
896	490186.72	3860885.12	0.00984	0.00663	0.00311	0.02307	0.00464	0.01331	0.00651	0.00663	0.18165027	0.000282096	7.459E-09	0.00215	0.0038496	0.0033128	0.001063	0.0010386	0.191269
897	490236.72	3860885.12	0.00973	0.00676	0.00317	0.02234	0.00461	0.01322	0.00663	0.00676	0.17961962	0.000287628	7.603E-09	0.002082	0.0038247	0.0032904	0.001082	0.00105896	0.189128
898	490286.72	3860885.12	0.00962	0.00689	0.00325	0.02168	0.00457	0.01314	0.00676	0.00689	0.17758898	0.000293159	7.795E-09	0.0020205	0.0037915	0.0032705	0.001103	0.00107933	0.186989
899	490336.72	3860885.12	0.00952	0.00703	0.00337	0.02108	0.00451	0.01306	0.00689	0.00703	0.17574294	0.000299116	8.082E-09	0.0019646	0.0037417	0.0032506	0.001125	0.00110126	0.185022
900	490386.72	3860885.12	0.00943	0.00718	0.00351	0.02053	0.00445	0.01301	0.00704	0.00718	0.17408151	0.000305498	8.418E-09	0.0019133	0.003692	0.0032381	0.001149	0.00112476	0.183255
901	490436.72	3860885.12	0.00934	0.00734	0.00364	0.02004	0.00438	0.01296	0.00719	0.00734	0.17242007	0.000312306	8.73E-09	0.0018676	0.0036339	0.0032257	0.001174	0.00114982	0.181483
902	490486.72	3860885.12	0.00926	0.0075	0.00373	0.01957	0.0043	0.01292	0.00736	0.0075	0.17094324	0.000319113	8.946E-09	0.0018238	0.0035675	0.0032157	0.001201	0.00117488	0.179896
903	490536.72	3860885.12	0.00917	0.00768	0.00378	0.01914	0.00421	0.01287	0.00753	0.00768	0.1692818	0.000326772	9.066E-09	0.0017838	0.0034928	0.0032033	0.001229	0.00120308	0.178115
904	490586.72	3860885.12	0.00908	0.00786	0.00377	0.01872	0.0041	0.01283	0.00771	0.00786	0.16762037	0.000334431	9.042E-09	0.0017446	0.0034016	0.0031933	0.001258	0.00123128	0.176322
905	490636.72	3860885.12	0.009	0.00805	0.00374	0.01832	0.00399	0.01278	0.00789	0.00805	0.16614354	0.000342515	8.97E-09	0.0017073	0.0033103	0.0031809	0.001288	0.00126104	0.174711
906	490686.72	3860885.12	0.00892	0.00825	0.0037	0.01795	0.00388	0.01275	0.0081	0.00825	0.16466671	0.000351025	8.874E-09	0.0016729	0.0032191	0.0031734	0.001322	0.00129237	0.173113
907	490736.72	3860885.12	0.00884	0.00847	0.00366	0.01762	0.00377	0.01273	0.00833	0.00847	0.16318987	0.000360385	8.778E-09	0.0016421	0.0031278	0.0031685	0.00136	0.00132684	0.171521
908	490086.72	3860935.12	0.00923	0.00617	0.00296	0.02453	0.00452	0.01279	0.00606	0.00617	0.17038943	0.000262524	7.099E-09	0.0022861	0.00375	0.0031834	0.000989	0.00096654	0.179894

909	490136.72	3860935.12	0.00914	0.00628	0.00295	0.0236	0.00453	0.01269	0.00617	0.00628	0.16872799	0.000267204	7.075E-09	0.0021994	0.0037583	0.0031585	0.001007	0.00098377	0.178135
910	490186.72	3860935.12	0.00906	0.00639	0.00297	0.02279	0.00454	0.01261	0.00628	0.00639	0.16725116	0.000271885	7.123E-09	0.0021239	0.0037666	0.0031386	0.001025	0.001001	0.176576
911	490236.72	3860935.12	0.00898	0.00651	0.00301	0.02206	0.00453	0.01254	0.0064	0.00651	0.16577433	0.00027699	7.219E-09	0.0020559	0.0037583	0.0031212	0.001045	0.0010198	0.175012
912	490286.72	3860935.12	0.0089	0.00664	0.00309	0.0214	0.0045	0.01248	0.00652	0.00664	0.1642975	0.000282522	7.411E-09	0.0019944	0.0037334	0.0031062	0.001064	0.00104016	0.173438
913	490336.72	3860935.12	0.00882	0.00677	0.00319	0.02079	0.00445	0.0124	0.00664	0.00677	0.16282067	0.000288053	7.651E-09	0.0019375	0.003692	0.0030863	0.001084	0.00106053	0.171848
914	490386.72	3860935.12	0.00875	0.00691	0.00331	0.02024	0.0044	0.01236	0.00677	0.00691	0.16152844	0.00029401	7.939E-09	0.0018863	0.0036505	0.0030764	0.001105	0.00108246	0.170458
915	490436.72	3860935.12	0.00868	0.00706	0.00344	0.01974	0.00434	0.01232	0.00692	0.00706	0.16023621	0.000300392	8.25E-09	0.0018397	0.0036007	0.0030664	0.00113	0.00110596	0.169067
916	490486.72	3860935.12	0.00861	0.00721	0.00355	0.01926	0.00426	0.01227	0.00706	0.00721	0.15894398	0.000306774	8.514E-09	0.001795	0.0035343	0.003054	0.001152	0.00112946	0.167657
917	490536.72	3860935.12	0.00855	0.00737	0.00361	0.01882	0.00418	0.01223	0.00722	0.00737	0.15783636	0.000313582	8.658E-09	0.0017539	0.003468	0.003044	0.001179	0.00115452	0.16644
918	490586.72	3860935.12	0.00848	0.00753	0.00363	0.0184	0.00409	0.01219	0.00738	0.00753	0.15654413	0.00032039	8.706E-09	0.0017148	0.0033933	0.003034	0.001205	0.00117958	0.165032
919	490636.72	3860935.12	0.00841	0.00771	0.00361	0.018	0.00398	0.01214	0.00756	0.00771	0.15525191	0.000328049	8.658E-09	0.0016775	0.003302	0.0030216	0.001234	0.00120778	0.163607
920	490686.72	3860935.12	0.00835	0.0079	0.00358	0.01763	0.00388	0.01211	0.00775	0.0079	0.15414428	0.000336133	8.586E-09	0.001643	0.0032191	0.0030141	0.001265	0.00123754	0.162384
921	490736.72	3860935.12	0.00828	0.0081	0.00354	0.01729	0.00377	0.01209	0.00795	0.0081	0.15285205	0.000344643	8.49E-09	0.0016114	0.0031278	0.0030092	0.001298	0.00126887	0.160974
922	490786.72	3860935.12	0.00822	0.00831	0.0035	0.01697	0.00366	0.01207	0.00817	0.00831	0.15174443	0.000353578	8.394E-09	0.0015815	0.0030365	0.0030042	0.001334	0.00130177	0.159752
923	490836.72	3860935.12	0.00817	0.00855	0.00347	0.01668	0.00356	0.01207	0.00841	0.00855	0.15082141	0.000363789	8.322E-09	0.0015545	0.0029536	0.0030042	0.001373	0.00133937	0.158731
924	490086.72	3860985.12	0.00848	0.00598	0.00285	0.02429	0.00441	0.01211	0.00588	0.00598	0.15654413	0.00025444	6.835E-09	0.0022637	0.0036588	0.0030141	0.00096	0.00093677	0.165758
925	490136.72	3860985.12	0.00842	0.00608	0.00284	0.02337	0.00444	0.01203	0.00597	0.00608	0.15543651	0.000258695	6.811E-09	0.002178	0.0036837	0.0029942	0.000974	0.00095244	0.164573
926	490186.72	3860985.12	0.00836	0.00619	0.00285	0.02255	0.00445	0.01197	0.00608	0.00619	0.15432889	0.000263375	6.835E-09	0.0021016	0.003692	0.0029793	0.000992	0.00096967	0.163388
927	490236.72	3860985.12	0.0083	0.00629	0.00288	0.0218	0.00444	0.0119	0.00618	0.00629	0.15322126	0.00026763	6.907E-09	0.0020317	0.0036837	0.0029619	0.001009	0.00098534	0.16219
928	490286.72	3860985.12	0.00824	0.00641	0.00293	0.02113	0.00442	0.01183	0.00629	0.00641	0.15211364	0.000272736	7.027E-09	0.0019692	0.0036671	0.0029444	0.001027	0.00100413	0.16099
929	490336.72	3860985.12	0.00818	0.00653	0.00302	0.02052	0.00439	0.01178	0.00641	0.00653	0.15100602	0.000277841	7.243E-09	0.0019124	0.0036422	0.002932	0.001046	0.00102293	0.159794
930	490386.72	3860985.12	0.00812	0.00666	0.00313	0.01996	0.00434	0.01173	0.00653	0.00666	0.14989839	0.000283373	7.507E-09	0.0018602	0.0036007	0.0029196	0.001066	0.0010433	0.158585
931	490436.72	3860985.12	0.00808	0.0068	0.00326	0.01946	0.0043	0.0117	0.00667	0.0068	0.14915998	0.00028933	7.819E-09	0.0018136	0.0035675	0.0029121	0.001089	0.00106523	0.157766
932	490486.72	3860985.12	0.00802	0.00694	0.00337	0.01898	0.00423	0.01166	0.0068	0.00694	0.14805235	0.000295286	8.082E-09	0.0017689	0.0035094	0.0029021	0.00111	0.00108716	0.156551
933	490536.72	3860985.12	0.00797	0.00708	0.00345	0.01852	0.00415	0.01161	0.00694	0.00708	0.14712933	0.000301243	8.274E-09	0.001726	0.0034431	0.0028897	0.001133	0.00110909	0.155513
934	490586.72	3860985.12	0.00791	0.00724	0.00349	0.0181	0.00406	0.01157	0.00709	0.00724	0.14602171	0.000308051	8.37E-09	0.0016868	0.0033684	0.0028797	0.001157	0.00113415	0.154288
935	490636.72	3860985.12	0.00786	0.0074	0.00349	0.01771	0.00397	0.01154	0.00725	0.0074	0.14509869	0.000314859	8.37E-09	0.0016505	0.0032937	0.0028723	0.001183	0.00115922	0.153254
936	490686.72	3860985.12	0.00781	0.00757	0.00346	0.01734	0.00387	0.01151	0.00742	0.00757	0.14417567	0.000322092	8.298E-09	0.001616	0.0032108	0.0028648	0.001211	0.00118585	0.152215
937	490736.72	3860985.12	0.00776	0.00775	0.00342	0.01699	0.00377	0.01148	0.0076	0.00775	0.14325265	0.000329751	8.202E-09	0.0015834	0.0031278	0.0028573	0.001241	0.00121405	0.151177
938	490786.72	3860985.12	0.00771	0.00795	0.00339	0.01667	0.00367	0.01146	0.0078	0.00795	0.14232963	0.00033826	8.13E-09	0.0015536	0.0030448	0.0028524	0.001273	0.00124538	0.150146
939	490836.72	3860985.12	0.00766	0.00816	0.00336	0.01638	0.00357	0.01146	0.00802	0.00816	0.14140661	0.000347195	8.058E-09	0.0015265	0.0029619	0.0028524	0.001309	0.00127827	0.149125
940	490086.72	3861035.12	0.00782	0.00579	0.00274	0.02406	0.00429	0.01145	0.0057	0.00579	0.14436027	0.000246356	6.571E-09	0.0022423	0.0035592	0.0028499	0.00093	0.00090701	0.153281
941	490136.72	3861035.12	0.00777	0.00589	0.00273	0.02314	0.00433	0.0114	0.0058	0.00589	0.14343725	0.00025061	6.547E-09	0.0021566	0.0035924	0.0028374	0.000947	0.00092268	0.152298
942	490186.72	3861035.12	0.00772	0.00599	0.00273	0.02231	0.00435	0.01134	0.00589	0.00599	0.14251423	0.000254865	6.547E-09	0.0020792	0.003609	0.0028225	0.000961	0.00093834	0.151303
943	490236.72	3861035.12	0.00768	0.0061	0.00276	0.02157	0.00436	0.01129	0.00599	0.0061	0.14177582	0.000259546	6.619E-09	0.0020102	0.0036173	0.00281	0.000978	0.00095557	0.150495
944	490286.72	3861035.12	0.00763	0.0062	0.0028	0.02089	0.00434	0.01123	0.00609	0.0062	0.1408528	0.0002638	6.715E-09	0.0019469	0.0036007	0.0027951	0.000994	0.00097124	0.149482
945	490336.72	3861035.12	0.00759	0.00631	0.00287	0.02026	0.00431	0.01117	0.0062	0.00631	0.14011438	0.000268481	6.883E-09	0.0018881	0.0035758	0.0027802	0.001012	0.00098847	0.148651
946	490386.72	3861035.12	0.00755	0.00644	0.00297	0.01971	0.00429	0.01115	0.00632	0.00644	0.13937597	0.000274012	7.123E-09	0.0018369	0.0035592	0.0027752	0.001032	0.00100883	0.147844
947	490436.72	3861035.12	0.00752	0.00656	0.00309	0.0192	0.00425	0.01112	0.00644	0.00656	0.13882216	0.000279118	7.411E-09	0.0017894	0.003526	0.0027677	0.001051	0.00102763	0.147208
948	490486.72	3861035.12	0.00748	0.00669	0.0032	0.01872	0.00419	0.01108	0.00656	0.00669	0.13808374	0.000284649	7.675E-09	0.0017446	0.0034763	0.0027578	0.001071	0.001048	0.14637
949	490536.72	3861035.12	0.00743	0.00683	0.00329	0.01826	0.00412	0.01104	0.00669	0.00683	0.13716072	0.000290606	7.891E-09	0.0017018	0.0034182	0.0027478	0.001092	0.00106993	0.145341
950	490586.72	3861035.12	0.00739	0.00697	0.00335	0.01784	0.00404	0.011	0.00683	0.00697	0.1364223	0.000296563	8.034E-09	0.0016626	0.0033518	0.0027379	0.001115	0.00109186	0.144494
951	490636.72	3861035.12	0.00735	0.00712	0.00336	0.01744	0.00395	0.01097	0.00697	0.00712	0.13568389	0.000302945	8.058E-09	0.0016253	0.0032771	0.0027304	0.001138	0.00111536	0.143642
952	490686.72	3861035.12	0.00731	0.00727	0.00335	0.01707	0.00386	0.01094	0.00713	0.00727	0.13494547	0.000309327	8.034E-09	0.0015909	0.0032025	0.0027229	0.001164	0.00113885	0.142796
953	490736.72	3861035.12	0.00727	0.00744	0.00332	0.01672	0.00376	0.01091	0.00729	0.00744	0.13420706	0.000316561	7.962E-09	0.0015582	0.0031195	0.0027155	0.00119	0.00116549	0.141941
954	490786.72	3861035.12	0.00723	0.00761	0.00329	0.01641	0.00367	0.0109	0.00747	0.00761	0.13346864	0.000323794	7.891E-09	0.0015293	0.0030448	0.002713	0.001219	0.00119212	0.141107
955	490836.72	3861035.12	0.00719	0.0078	0.00325	0.01611	0.00357	0.0109	0.00766	0.0078	0.13273023	0.000331878	7.795E-09	0.0015014	0.0029619	0.002713	0.00125	0.00122188	0.140267
956	490086.72	3861085.12	0.00723	0.00563	0.00264	0.02385	0.00417	0.01083	0.00554	0.00563	0.13346864	0.000239548	6.332E-09	0.0022227	0.0034597	0.0026956	0.000904	0.00088195	0.142108
957	490136.72	3861085.12	0.0072	0.00572	0.00263	0.02293	0.00423	0.0108	0.00563	0.00572	0.13291483	0.000243377	6.308E-09	0.002137	0.0035094	0.0026881	0.000919	0.00089604	0.141516
958	490186.72	3861085.12	0.00717	0.00582	0.00264	0.02212	0.00427	0.01077	0.00573	0.00582	0.13236102	0.000247632	6.332E-09	0.0020615	0.0035426	0.0026806	0.000935	0.00091171	0.140917
959	490236.72	3861085.12	0.00713	0.00591	0.00265	0.02136	0.00427	0.01071	0.00582	0.00591	0.1316226	0.000251461	6.356E-09	0.0019907	0.0035426	0.0026657	0.00095	0.00092581	0.140097
960	490286.72	3861085.12	0.00709	0.00601	0.00268	0.02067	0.00427	0.01067	0.00591	0.00601	0.13088419	0.000255716	6.428E-09	0.0019264	0.0035426	0.0026557	0.000965	0.00094147	0.139288
961	490336.72	3861085.12	0.00706	0.00611	0.00274	0.02004	0.00425	0.01062	0.00601	0.00611	0.13033037	0.000259971	6.571E-09	0.0018676	0.003526	0.0026433	0.000981	0.00095714	0.138651
962	490386.72	3861085.12	0.00703	0.00623	0.00282	0.01948	0.00423	0.01059	0.00612	0.00623	0.12977656	0.000265077	6.763E-09	0.0018155	0.0035094	0.0026358	0.000999	0.00097594	0.138025
963	490436.72	3861085.12	0.007	0.00634	0.00293	0.01896	0.00419	0.01056	0.00623	0.00634	0.12922275	0.000269757	7.027E-09	0.001767	0.0034763	0.0026283	0.001017	0.00099317	0.137388
964	490486.72	3861085.12	0.00697	0.00647	0.00304	0.01847	0.00414	0.01053	0.00634	0.00647	0.12866894	0.000275289	7.291E-09	0.0017213	0.0034348	0.0026209	0.001035	0.00101353	0.136743
965	490536.72	3861085.12	0.00694	0.00659	0.00314	0.01803	0.00408	0.01051	0.00647	0.00659	0.12811513	0.000280394	7.531E-09	0.0016803	0.003385	0.0026159	0.001056	0.00103233	0.136101

966	490586.72	3861085.12	0.00691	0.00672	0.00321	0.0176	0.00401	0.01047	0.00659	0.00672
967	490636.72	3861085.12	0.00688	0.00686	0.00324	0.0172	0.00393	0.01043	0.00672	0.00686
968	490686.72	3861085.12	0.00684	0.007	0.00324	0.01682	0.00384	0.01041	0.00686	0.007
969	490736.72	3861085.12	0.00681	0.00715	0.00322	0.01648	0.00376	0.01039	0.00701	0.00715
970	490786.72	3861085.12	0.00678	0.00731	0.00319	0.01617	0.00367	0.01038	0.00717	0.00731
971	490836.72	3861085.12	0.00675	0.00748	0.00316	0.01587	0.00357	0.01037	0.00734	0.00748
972	490086.72	3861135.12	0.00671	0.00547	0.00255	0.02365	0.00405	0.01023	0.00539	0.00547
973	490136.72	3861135.12	0.00668	0.00555	0.00254	0.02273	0.00411	0.01021	0.00548	0.00555
974	490186.72	3861135.12	0.00666	0.00565	0.00254	0.02191	0.00416	0.01019	0.00556	0.00565
975	490236.72	3861135.12	0.00664	0.00574	0.00255	0.02116	0.00419	0.01017	0.00565	0.00574
976	490286.72	3861135.12	0.00661	0.00583	0.00258	0.02047	0.00419	0.01014	0.00574	0.00583
977	490336.72	3861135.12	0.00658	0.00593	0.00262	0.01984	0.00418	0.0101	0.00584	0.00593
978	490386.72	3861135.12	0.00656	0.00604	0.00269	0.01927	0.00416	0.01007	0.00593	0.00604
979	490436.72	3861135.12	0.00654	0.00614	0.00278	0.01874	0.00413	0.01005	0.00604	0.00614
980	490486.72	3861135.12	0.00651	0.00626	0.00289	0.01825	0.00409	0.01002	0.00614	0.00626
981	490536.72	3861135.12	0.00649	0.00637	0.00299	0.0178	0.00404	0.01	0.00626	0.00637
982	490586.72	3861135.12	0.00647	0.0065	0.00307	0.01738	0.00398	0.00997	0.00637	0.0065
983	490636.72	3861135.12	0.00644	0.00662	0.00312	0.01698	0.0039	0.00994	0.00649	0.00662
984	490686.72	3861135.12	0.00642	0.00675	0.00314	0.01661	0.00383	0.00992	0.00662	0.00675
985	490736.72	3861135.12	0.00639	0.00689	0.00313	0.01627	0.00375	0.00991	0.00676	0.00689
986	490786.72	3861135.12	0.00637	0.00704	0.00311	0.01595	0.00366	0.0099	0.0069	0.00704
987	490836.72	3861135.12	0.00635	0.0072	0.00307	0.01565	0.00357	0.00988	0.00706	0.0072
988	490086.72	3861185.12	0.00625	0.00532	0.00247	0.02346	0.00393	0.00967	0.00525	0.00532
989	490136.72	3861185.12	0.00623	0.00539	0.00245	0.02252	0.00399	0.00965	0.00532	0.00539
990	490186.72	3861185.12	0.00621	0.00548	0.00245	0.02169	0.00405	0.00963	0.0054	0.00548
991	490236.72	3861185.12	0.00619	0.00557	0.00246	0.02095	0.00408	0.00962	0.00549	0.00557
992	490286.72	3861185.12	0.00617	0.00566	0.00248	0.02028	0.00411	0.00962	0.00558	0.00566
993	490336.72	3861185.12	0.00615	0.00575	0.00251	0.01963	0.0041	0.00958	0.00566	0.00575
994	490386.72	3861185.12	0.00613	0.00585	0.00257	0.01906	0.00409	0.00957	0.00576	0.00585
995	490436.72	3861185.12	0.00612	0.00595	0.00265	0.01854	0.00407	0.00956	0.00586	0.00595
996	490486.72	3861185.12	0.0061	0.00606	0.00274	0.01805	0.00403	0.00954	0.00595	0.00606
997	490536.72	3861185.12	0.00609	0.00617	0.00285	0.01761	0.004	0.00954	0.00606	0.00617
998	490586.72	3861185.12	0.00607	0.00629	0.00293	0.01718	0.00394	0.00952	0.00617	0.00629
999	490636.72	3861185.12	0.00604	0.0064	0.00299	0.01677	0.00387	0.00948	0.00628	0.0064
1000	490686.72	3861185.12	0.00602	0.00652	0.00303	0.0164	0.0038	0.00946	0.0064	0.00652
1001	490736.72	3861185.12	0.00601	0.00666	0.00304	0.01608	0.00373	0.00946	0.00652	0.00666
1002	490786.72	3861185.12	0.00599	0.00679	0.00302	0.01576	0.00366	0.00945	0.00666	0.00679
1003	490836.72	3861185.12	0.00597	0.00694	0.003	0.01546	0.00357	0.00944	0.0068	0.00694
1004	490086.72	3861235.12	0.00584	0.00517	0.00239	0.02328	0.00381	0.00915	0.00511	0.00517
1005	490136.72	3861235.12	0.00583	0.00525	0.00237	0.02234	0.00388	0.00913	0.00518	0.00525
1006	490186.72	3861235.12	0.00581	0.00533	0.00237	0.02151	0.00394	0.00913	0.00526	0.00533
1007	490236.72	3861235.12	0.00579	0.00541	0.00237	0.02075	0.00398	0.00912	0.00534	0.00541
1008	490386.72	3861235.12	0.00575	0.00567	0.00246	0.01885	0.00401	0.00909	0.00559	0.00567
1009	490436.72	3861235.12	0.00573	0.00577	0.00252	0.01832	0.00399	0.00908	0.00568	0.00577
1010	490486.72	3861235.12	0.00572	0.00587	0.00261	0.01783	0.00397	0.00907	0.00577	0.00587
1011	490536.72	3861235.12	0.00571	0.00598	0.00271	0.01741	0.00395	0.00909	0.00588	0.00598
1012	490586.72	3861235.12	0.0057	0.00609	0.00281	0.01701	0.00391	0.0091	0.00598	0.00609
1013	490636.72	3861235.12	0.00568	0.00619	0.00287	0.01658	0.00384	0.00905	0.00608	0.00619
1014	490686.72	3861235.12	0.00566	0.00631	0.00292	0.01622	0.00378	0.00903	0.00619	0.00631
1015	490736.72	3861235.12	0.00565	0.00643	0.00294	0.0159	0.00371	0.00903	0.00631	0.00643
1016	490786.72	3861235.12	0.00564	0.00656	0.00294	0.01559	0.00365	0.00903	0.00644	0.00656
1017	490836.72	3861235.12	0.00563	0.0067	0.00292	0.01529	0.00357	0.00902	0.00657	0.0067
1018	490086.72	3861285.12	0.00549	0.00504	0.00232	0.02313	0.00369	0.00868	0.00498	0.00504
1019	490136.72	3861285.12	0.00548	0.00511	0.00231	0.02221	0.00378	0.00869	0.00506	0.00511
1020	490186.72	3861285.12	0.00546	0.00518	0.00229	0.02135	0.00384	0.00868	0.00512	0.00518
1021	490236.72	3861285.12	0.00545	0.00526	0.0023	0.02059	0.00389	0.00867	0.0052	0.00526
1022	490386.72	3861285.12	0.0054	0.00551	0.00236	0.01868	0.00394	0.00866	0.00543	0.00551

0.12756132	0.000285926	7.699E-09	0.0016402	0.0033269	0.0026059	0.001076	0.0010527	0.135443
0.1270075	0.000291882	7.771E-09	0.001603	0.0032605	0.002596	0.001097	0.00107463	0.134781
0.12626909	0.000297839	7.771E-09	0.0015676	0.0031859	0.002591	0.00112	0.00109656	0.133935
0.12571528	0.000304221	7.723E-09	0.0015359	0.0031195	0.002586	0.001144	0.00112006	0.133285
0.12516146	0.000311029	7.651E-09	0.001507	0.0030448	0.0025835	0.00117	0.00114512	0.132633
0.12460765	0.000318262	7.579E-09	0.001479	0.0029619	0.0025811	0.001198	0.00117175	0.131974
0.12386924	0.00023274	6.116E-09	0.0022041	0.0033601	0.0025462	0.00088	0.00085688	0.132235
0.12331543	0.000236144	6.092E-09	0.0021183	0.0034099	0.0025412	0.000894	0.00086941	0.131646
0.12294622	0.000240399	6.092E-09	0.0020419	0.0034514	0.0025363	0.000908	0.00088508	0.131239
0.12257701	0.000244228	6.116E-09	0.001972	0.0034763	0.0025313	0.000922	0.00089918	0.130824
0.1220232	0.000248058	6.188E-09	0.0019077	0.0034763	0.0025238	0.000937	0.00091328	0.130203
0.12146939	0.000252312	6.284E-09	0.001849	0.003468	0.0025139	0.000953	0.00092894	0.129577
0.12110018	0.000256993	6.452E-09	0.0017959	0.0034514	0.0025064	0.000968	0.00094617	0.129133
0.12073097	0.000261248	6.667E-09	0.0017465	0.0034265	0.0025014	0.000986	0.00096184	0.128691
0.12017716	0.000266353	6.931E-09	0.0017008	0.0033933	0.0024939	0.001002	0.00098064	0.128053
0.11980795	0.000271034	7.171E-09	0.0016589	0.0033518	0.002489	0.001022	0.00099787	0.127603
0.11943874	0.000276565	7.363E-09	0.0016197	0.003302	0.0024815	0.00104	0.00101823	0.12714
0.11888493	0.000281671	7.483E-09	0.0015825	0.0032357	0.002474	0.001059	0.00103703	0.126481
0.11851572	0.000287202	7.531E-09	0.001548	0.0031776	0.0024691	0.001081	0.0010574	0.126021
0.11796191	0.000293159	7.507E-09	0.0015163	0.0031112	0.0024666	0.001103	0.00107933	0.125373
0.1175927	0.000299541	7.459E-09	0.0014865	0.0030365	0.0024641	0.001126	0.00110282	0.124903
0.1172235	0.000306349	7.363E-09	0.0014585	0.0029619	0.0024591	0.001152	0.00112789	0.124434
0.11537746	0.000226358	5.924E-09	0.0021864	0.0032605	0.0024068	0.000857	0.00083338	0.123481
0.11500825	0.000229336	5.876E-09	0.0020988	0.0033103	0.0024019	0.000868	0.00084435	0.123073
0.11463904	0.000233166	5.876E-09	0.0020214	0.0033601	0.0023969	0.000881	0.00085845	0.122674
0.11426983	0.000236995	5.9E-09	0.0019525	0.003385	0.0023944	0.000896	0.00087255	0.122262
0.11390063	0.000240824	5.948E-09	0.00189	0.0034099	0.0023944	0.000911	0.00088665	0.12186
0.11353142	0.000244654	6.02E-09	0.0018294	0.0034016	0.0023844	0.000924	0.00090074	0.121415
0.11316221	0.000248908	6.164E-09	0.0017763	0.0033933	0.0023819	0.00094	0.00091641	0.120986
0.11297761	0.000253163	6.356E-09	0.0017279	0.0033767	0.0023795	0.000957	0.00093207	0.120739
0.1126084	0.000257844	6.571E-09	0.0016822	0.0033435	0.0023745	0.000971	0.00094931	0.120288
0.11242379	0.000262524	6.835E-09	0.0016412	0.0033186	0.0023745	0.000989	0.00096654	0.120043
0.11205459	0.00026763	7.027E-09	0.0016011	0.0032688	0.0023695	0.001007	0.00098534	0.119583
0.11150077	0.00027231	7.171E-09	0.0015629	0.0032108	0.0023595	0.001025	0.00100257	0.118929
0.11113157	0.000277416	7.267E-09	0.0015284	0.0031527	0.0023546	0.001045	0.00102137	0.118468
0.11094696	0.000283373	7.291E-09	0.0014986	0.0030946	0.0023546	0.001064	0.0010433	0.118199
0.11057775	0.000288904	7.243E-09	0.0014688	0.0030365	0.0023521	0.001087	0.00106366	0.117747
0.11020855	0.000295286	7.195E-09	0.0014408	0.0029619	0.0023496	0.00111	0.00108716	0.117279
0.1078087	0.000219976	5.732E-09	0.0021696	0.003161	0.0022774	0.000834	0.00080989	0.115661
0.10762409	0.000223379	5.684E-09	0.002082	0.0032191	0.0022724	0.000846	0.00082242	0.115444
0.10725488	0.000226783	5.684E-09	0.0020046	0.0032688	0.0022724	0.000859	0.00083495	0.115051
0.10688568	0.000230187	5.684E-09	0.0019338	0.003302	0.0022699	0.000872	0.00084748	0.114646
0.10614726	0.00024125	5.9E-09	0.0017567	0.0033269	0.0022625	0.000912	0.00088821	0.113759
0.10577805	0.000245505	6.044E-09	0.0017073	0.0033103	0.00226	0.000927	0.00090388	0.113324
0.10559345	0.000249759	6.26E-09	0.0016617	0.0032937	0.0022575	0.000942	0.00091954	0.113078
0.10540884	0.00025444	6.499E-09	0.0016225	0.0032771	0.0022625	0.00096	0.00093677	0.112848
0.10522424	0.00025912	6.739E-09	0.0015853	0.003244	0.002265	0.000976	0.00095401	0.1126
0.10485503	0.000263375	6.883E-09	0.0015452	0.0031859	0.0022525	0.000992	0.00096967	0.112125
0.10448582	0.000268481	7.003E-09	0.0015116	0.0031361	0.0022475	0.00101	0.00098847	0.111671
0.10430122	0.000273587	7.051E-09	0.0014818	0.003078	0.0022475	0.00103	0.00100727	0.111405
0.10411662	0.000279118	7.051E-09	0.0014529	0.0030282	0.0022475	0.001051	0.00102763	0.111148
0.10393201	0.000285075	7.003E-09	0.001425	0.0029619	0.002245	0.001072	0.00104956	0.110872
0.10134756	0.000214444	5.564E-09	0.0021556	0.0030614	0.0021604	0.000813	0.00078952	0.108963
0.10116295	0.000217423	5.54E-09	0.0020699	0.0031361	0.0021629	0.000826	0.00080049	0.108775
0.10079375	0.000220401	5.492E-09	0.0019897	0.0031859	0.0021604	0.000836	0.00081145	0.108374
0.10060914	0.000223805	5.516E-09	0.0019189	0.0032274	0.0021579	0.000849	0.00082399	0.108162
0.09968612	0.000234442	5.66E-09	0.0017409	0.0032688	0.0021554	0.000886	0.00086315	0.107109

1023	490436.72	3861285.12	0.00539	0.0056	0.00242	0.01816	0.00393	0.00866	0.00552	0.0056	0.09950152	0.000238271	5.804E-09	0.0016924	0.0032605	0.0021554	0.000901	0.00087725	0.106872
1024	490486.72	3861285.12	0.00538	0.00569	0.00249	0.01766	0.00391	0.00865	0.00561	0.00569	0.09931691	0.000242101	5.972E-09	0.0016458	0.003244	0.002153	0.000916	0.00089135	0.106626
1025	490536.72	3861285.12	0.00537	0.00579	0.00258	0.01721	0.00388	0.00865	0.0057	0.00579	0.09913231	0.000246356	6.188E-09	0.0016039	0.0032191	0.002153	0.00093	0.00090701	0.106378
1026	490586.72	3861285.12	0.00536	0.0059	0.00267	0.01681	0.00385	0.00866	0.0058	0.0059	0.09894771	0.000251036	6.404E-09	0.0015666	0.0031942	0.0021554	0.000947	0.00092424	0.106137
1027	490636.72	3861285.12	0.00534	0.006	0.00274	0.0164	0.0038	0.00863	0.00589	0.006	0.0985785	0.000255291	6.571E-09	0.0015284	0.0031527	0.002148	0.000961	0.00093991	0.105684
1028	490686.72	3861285.12	0.00533	0.0061	0.0028	0.01604	0.00374	0.00863	0.006	0.0061	0.09839389	0.000259546	6.715E-09	0.0014949	0.0031029	0.002148	0.000979	0.00095557	0.105423
1029	490736.72	3861285.12	0.00533	0.00623	0.00285	0.01573	0.00369	0.00864	0.00611	0.00623	0.09839389	0.000265077	6.835E-09	0.001466	0.0030614	0.0021505	0.000997	0.00097594	0.105358
1030	490786.72	3861285.12	0.00532	0.00634	0.00285	0.01541	0.00363	0.00863	0.00622	0.00634	0.09820929	0.000269757	6.835E-09	0.0014361	0.0030116	0.002148	0.001015	0.00099317	0.105097
1031	490836.72	3861285.12	0.00531	0.00646	0.00284	0.0151	0.00355	0.00862	0.00634	0.00646	0.09802469	0.000274863	6.811E-09	0.0014073	0.0029453	0.0021455	0.001035	0.00101197	0.10482
1032	490061.24	3859716.13	0.03304	0.05459	0.04168	0.06237	0.0063	0.04456	0.05411	0.05459	0.60993139	0.00232272	9.996E-08	0.0058126	0.0052268	0.0110908	0.008832	0.00855159	0.634665
1033	490111.24	3859716.13	0.03352	0.06616	0.0406	0.06602	0.0062	0.0472	0.06573	0.06616	0.61879237	0.002815006	9.737E-08	0.0061528	0.0051439	0.0117479	0.010729	0.01036404	0.645017
1034	490161.24	3859716.13	0.0345	0.08288	0.04005	0.07072	0.00613	0.05059	0.08237	0.08288	0.63688356	0.003526416	9.605E-08	0.0065908	0.0050858	0.0125917	0.013445	0.01298325	0.66514
1035	490211.24	3859716.13	0.03619	0.10824	0.04005	0.07681	0.00606	0.05503	0.10741	0.10824	0.66808162	0.004605445	9.605E-08	0.0071584	0.0050277	0.0136968	0.017532	0.01695593	0.699146
1036	490061.24	3859766.13	0.03121	0.03841	0.03259	0.05503	0.00619	0.03998	0.03789	0.03841	0.57614887	0.001634286	7.816E-08	0.0051286	0.0051356	0.0099509	0.006185	0.00601697	0.598166
1037	490111.24	3859766.13	0.03112	0.04378	0.03167	0.05711	0.00607	0.0416	0.04326	0.04378	0.57448743	0.001862771	7.596E-08	0.0053224	0.005036	0.0103541	0.007061	0.00685819	0.597266
1038	490161.24	3859766.13	0.0312	0.05065	0.03082	0.05977	0.00597	0.04359	0.0501	0.05065	0.57596426	0.002155079	7.392E-08	0.0055703	0.004953	0.0108494	0.008178	0.00793438	0.599736
1039	490211.24	3859766.13	0.0315	0.06003	0.03026	0.06326	0.0059	0.04615	0.05938	0.06003	0.58150238	0.002554184	7.257E-08	0.0058956	0.004895	0.0114866	0.009693	0.00940377	0.606622
1040	490061.24	3859816.13	0.03011	0.02969	0.02621	0.04971	0.0061	0.03663	0.0292	0.02969	0.55584243	0.001263264	6.286E-08	0.0046328	0.0050609	0.0091171	0.004766	0.00465097	0.576032
1041	490111.24	3859816.13	0.02977	0.03272	0.02566	0.05085	0.00595	0.03765	0.03221	0.03272	0.5495659	0.001392186	6.154E-08	0.004739	0.0049364	0.009371	0.005258	0.00512563	0.570137
1042	490161.24	3859816.13	0.02953	0.03643	0.02509	0.05243	0.00584	0.03891	0.03589	0.03643	0.54513541	0.00155004	6.017E-08	0.0048863	0.0048452	0.0096846	0.005858	0.0057068	0.566253
1043	490211.24	3859816.13	0.0294	0.041	0.0245	0.05448	0.00575	0.04047	0.04043	0.041	0.54273556	0.001744487	5.876E-08	0.0050773	0.0047705	0.0100728	0.006599	0.0064227	0.564577
1044	490061.24	3859866.13	0.02933	0.0243	0.02149	0.0457	0.00602	0.03409	0.02385	0.0243	0.54144333	0.001033928	5.154E-08	0.0042591	0.0049945	0.0084849	0.003893	0.00380662	0.560302
1045	490111.24	3859866.13	0.02886	0.02626	0.02128	0.04628	0.00587	0.03474	0.0258	0.02626	0.53276694	0.001117322	5.104E-08	0.0043131	0.0048701	0.0086467	0.004211	0.00411366	0.551812
1046	490161.24	3859866.13	0.02847	0.02857	0.02097	0.04719	0.00574	0.03555	0.02808	0.02857	0.52556739	0.001215609	5.029E-08	0.0043979	0.0047622	0.0088483	0.004583	0.00447553	0.544899
1047	490211.24	3859866.13	0.02815	0.03129	0.0206	0.04842	0.00563	0.03655	0.03077	0.03129	0.51966006	0.001331341	4.941E-08	0.0045125	0.004671	0.0090972	0.005023	0.00490162	0.539393
1048	490061.24	3859916.13	0.02871	0.02064	0.01791	0.04261	0.00596	0.03211	0.02024	0.02064	0.52999788	0.0008782	4.295E-08	0.0039711	0.0049447	0.0079921	0.003304	0.00323328	0.547854
1049	490111.24	3859916.13	0.02816	0.02203	0.01793	0.04281	0.0058	0.0325	0.02161	0.02203	0.51984467	0.000937343	4.3E-08	0.0039897	0.004812	0.0080891	0.003527	0.00345103	0.537749
1050	490161.24	3859916.13	0.02766	0.02359	0.01778	0.04324	0.00565	0.03299	0.02316	0.02359	0.51061447	0.001003718	4.264E-08	0.0040298	0.0046876	0.0082111	0.00378	0.0036954	0.528632
1051	490211.24	3859916.13	0.02722	0.02536	0.01756	0.04391	0.00553	0.03361	0.0249	0.02536	0.5024919	0.001079029	4.211E-08	0.0040922	0.004588	0.0083654	0.004064	0.00397267	0.520708
1052	490229.25	3859815.26	0.02942	0.04326	0.02442	0.05555	0.00573	0.04125	0.04266	0.04326	0.54310476	0.001840646	5.857E-08	0.005177	0.0047539	0.010267	0.006963	0.00677673	0.56533
1053	490279.25	3859815.26	0.02947	0.04976	0.02397	0.05842	0.00566	0.04336	0.04905	0.04976	0.54402778	0.002117211	5.749E-08	0.0054445	0.0046958	0.0107922	0.008006	0.00779496	0.567289
1054	490329.25	3859815.26	0.02972	0.05839	0.02378	0.06212	0.00562	0.04609	0.0575	0.05839	0.54864288	0.002484404	5.703E-08	0.0057893	0.0046627	0.0114716	0.009386	0.00914686	0.57329
1055	490379.25	3859815.26	0.03032	0.07101	0.02392	0.06725	0.00561	0.04984	0.06972	0.07101	0.55971912	0.003021366	5.737E-08	0.0062674	0.0046544	0.012405	0.01138	0.0111238	0.586324
1056	490429.25	3859815.26	0.0314	0.09054	0.02432	0.07433	0.00562	0.05504	0.08843	0.09054	0.57965634	0.003852337	5.833E-08	0.0069272	0.0046627	0.0136993	0.014434	0.0141832	0.609049
1057	490229.25	3859865.26	0.02807	0.03254	0.02052	0.04905	0.0056	0.03702	0.032	0.03254	0.51818323	0.001384527	4.921E-08	0.0045713	0.0046461	0.0092142	0.005223	0.00509743	0.538125
1058	490279.25	3859865.26	0.02785	0.03604	0.02007	0.05078	0.00552	0.03834	0.03545	0.03604	0.51412195	0.001533446	4.813E-08	0.0047325	0.0045797	0.0095427	0.005786	0.00564571	0.534651
1059	490329.25	3859865.26	0.02773	0.04038	0.01968	0.05298	0.00546	0.03999	0.03972	0.04038	0.5119067	0.001718107	4.72E-08	0.0049375	0.0045299	0.0099534	0.006483	0.00632558	0.533204
1060	490379.25	3859865.26	0.02776	0.04603	0.01948	0.0559	0.00543	0.04213	0.04523	0.04603	0.51246051	0.001958506	4.672E-08	0.0052096	0.004505	0.010486	0.007383	0.00721066	0.534792
1061	490429.25	3859865.26	0.02798	0.05355	0.01948	0.05972	0.00542	0.04492	0.05253	0.05355	0.5165218	0.00227847	4.672E-08	0.0055657	0.0044967	0.0111804	0.008574	0.00838867	0.540229
1062	490229.25	3859915.26	0.0271	0.02617	0.01753	0.04431	0.00549	0.03392	0.02569	0.02617	0.50027665	0.001113493	4.204E-08	0.0041295	0.0045548	0.0084426	0.004193	0.00409956	0.518611
1063	490279.25	3859915.26	0.02675	0.02832	0.01724	0.04531	0.00539	0.03475	0.02781	0.02832	0.49381551	0.001204972	4.135E-08	0.0042227	0.0044718	0.0086492	0.004539	0.00443636	0.512467
1064	490329.25	3859915.26	0.02647	0.03092	0.01692	0.04668	0.00532	0.0358	0.03036	0.03092	0.4886466	0.001315598	4.058E-08	0.0043504	0.0044138	0.0089105	0.004956	0.00484366	0.507749
1065	490379.25	3859915.26	0.02628	0.03407	0.01661	0.04845	0.00527	0.03713	0.03345	0.03407	0.48513913	0.001449626	3.984E-08	0.0045153	0.0043723	0.0092415	0.00546	0.00533711	0.504841
1066	490429.25	3859915.26	0.02619	0.03792	0.01638	0.05068	0.00524	0.03879	0.03722	0.03792	0.48347769	0.001613438	3.928E-08	0.0047232	0.0043474	0.0096547	0.006075	0.00594021	0.503952
1067	490451.43	3859872.59	0.02778	0.05411	0.01896	0.05997	0.00539	0.04519	0.05304	0.05411	0.51282972	0.002302297	4.547E-08	0.005589	0.0044718	0.0112476	0.008658	0.0084764	0.536622
1068	490501.43	3859872.59	0.02829	0.06503	0.01919	0.0653	0.0054	0.04906	0.06349	0.06503	0.52224452	0.002766926	4.602E-08	0.0060857	0.0044801	0.0122109	0.010363	0.01018703	0.547965
1069	490551.43	3859872.59	0.02918	0.08196	0.0196	0.0727	0.00543	0.05454	0.07949	0.08196	0.53867427	0.003487272	4.701E-08	0.0067753	0.004505	0.0135748	0.012975	0.01283913	0.567153
1070	490601.43	3859872.59	0.03065	0.1089	0.02007	0.08275	0.00546	0.06221	0.1045	0.1089	0.56581105	0.004633527	4.813E-08	0.007712	0.0045299	0.0154839	0.017057	0.01705932	0.598168
1071	490451.43	3859922.59	0.02597	0.03824	0.01596	0.05075	0.00521	0.03891	0.03751	0.03824	0.47941641	0.001627053	3.828E-08	0.0047297	0.0043225	0.0096846	0.006123	0.00599034	0.499913
1072	490501.43	3859922.59	0.02605	0.04331	0.01593	0.05379	0.00521	0.04111	0.04243	0.04331	0.48089324	0.001842774	3.821E-08	0.005013	0.0043225	0.0102321	0.006926	0.00678456	0.502445
1073	490551.43	3859922.59	0.02632	0.05027	0.01608	0.05789	0.00522	0.04406	0.04913	0.05027	0.48587754	0.002138911	3.857E-08	0.0053951	0.0043308	0.0109664	0.008019	0.00787486	0.508853
1074	490601.43	3859922.59	0.02682	0.05999	0.01635	0.06329	0.00526	0.04803	0.05837	0.05999	0.49510774	0.002552482	3.921E-08	0.0058984	0.004364	0.0119545	0.009528	0.00939751	0.520007
1075	482129.67	3852241.07	0.01311	0.07141	0.00162	0.00225	0.00217	0.00273	0.07183	0.07141	0.24201575	0.003038385	3.885E-09	0.0002097	0.0018004	0.0006795	0.011725	0.01118646	0.248282
1076	482029.67	3852291.07	0.02157	0.13328	0.0016	0.00231	0.00223	0.00274	0.1337	0.13328	0.39819068	0.005670858	3.837E-09	0.0002153	0.0018501	0.000682	0.021824	0.02087847	0.407554
1077	482079.67	3852291.07	0.0174	0.10337	0.00161	0.0023	0.00222	0.00276	0.10381	0.10337	0.32121084	0.004398234	3.861E-09	0.0002144	0.0018418	0.000687	0.016945	0.01619304	0.329104
1078	482129.67	3852291.07	0.01486	0.08402	0.00164	0.0023	0.00221	0.0028	0.08446	0.08402	0.27432144	0.003574921	3.933E-09	0.0002144	0.0018335	0.0006969	0.013786	0.01316184	0.281266
1079	482179.67	3852291.07	0.01319	0.0699	0.00168	0.00231	0.0022	0.00283	0.07028	0.0699	0.24349258	0.002974137	4.029E-09	0.0002153	0.0018252	0.0007044	0.011472	0.01094992	0.249733

1080	482229.67	3852291.07	0.01205	0.05916	0.00172	0.00232	0.00219	0.00286	0.05958	0.05916	0.22244774	0.002517167	4.125E-09	0.0002162	0.0018169	0.0007118	0.009725	0.00926749	0.228168
1081	482029.67	3852341.07	0.02863	0.18384	0.00164	0.00237	0.00226	0.00282	0.18406	0.18384	0.52852105	0.007822108	3.933E-09	0.0002209	0.001875	0.0007019	0.030044	0.02879876	0.540386
1082	482079.67	3852341.07	0.02156	0.13212	0.00165	0.00236	0.00225	0.00284	0.13253	0.13212	0.39800607	0.005621502	3.957E-09	0.0002199	0.0018667	0.0007069	0.021633	0.02069676	0.407357
1083	482129.67	3852341.07	0.01743	0.10255	0.00167	0.00235	0.00225	0.00287	0.103	0.10255	0.32176465	0.004363344	4.005E-09	0.000219	0.0018667	0.0007143	0.016813	0.01606458	0.329676
1084	482179.67	3852341.07	0.01492	0.08304	0.0017	0.00236	0.00224	0.0029	0.08348	0.08304	0.27542906	0.003533224	4.077E-09	0.0002199	0.0018584	0.0007218	0.013626	0.01300832	0.28238
1085	482259.06	3852400.14	0.0142	0.07835	0.00184	0.00244	0.00226	0.00306	0.07876	0.07835	0.26213758	0.003333672	4.413E-09	0.0002274	0.001875	0.0007616	0.012856	0.01227362	0.268918
1086	482309.06	3852400.14	0.01283	0.06474	0.00189	0.00246	0.00226	0.00308	0.0651	0.06474	0.23684684	0.002754587	4.533E-09	0.0002293	0.001875	0.0007666	0.010626	0.0101416	0.242957
1087	482209.06	3852450.14	0.01965	0.11735	0.00181	0.00249	0.00231	0.0031	0.11781	0.11735	0.36274672	0.004993062	4.341E-09	0.0002321	0.0019165	0.0007716	0.01923	0.01838302	0.371507
1088	482259.06	3852450.14	0.01639	0.09356	0.00186	0.00249	0.0023	0.00314	0.09399	0.09356	0.30256584	0.003980834	4.461E-09	0.0002321	0.0019082	0.0007815	0.015342	0.01465629	0.310154
1089	482309.06	3852450.14	0.01434	0.0764	0.00191	0.00251	0.0023	0.00316	0.0768	0.0764	0.26472204	0.003250702	4.581E-09	0.0002339	0.0019082	0.0007865	0.012536	0.01196815	0.271469
1090	482209.06	3852500.14	0.02524	0.15459	0.00184	0.00256	0.00234	0.00319	0.15502	0.15459	0.46594032	0.006577566	4.413E-09	0.0002386	0.0019414	0.000794	0.025304	0.02421671	0.476579
1091	482259.06	3852500.14	0.01972	0.11626	0.00188	0.00256	0.00234	0.00322	0.11669	0.11626	0.36403895	0.004946684	4.509E-09	0.0002386	0.0019414	0.0008014	0.019047	0.01821227	0.372802
1092	482309.06	3852500.14	0.01651	0.09202	0.00194	0.00257	0.00233	0.00325	0.09244	0.09202	0.30478109	0.003915309	4.653E-09	0.0002395	0.0019331	0.0008089	0.015089	0.01441505	0.312352
1093	482283.91	3852513.62	0.01887	0.10957	0.00192	0.00258	0.00235	0.00326	0.11	0.10957	0.34834762	0.004662035	4.605E-09	0.0002404	0.0019497	0.0008114	0.017955	0.01716427	0.356802
1094	482333.91	3852513.62	0.01599	0.08792	0.00198	0.00259	0.00234	0.00329	0.08832	0.08792	0.29518168	0.00374086	4.749E-09	0.0002414	0.0019414	0.0008189	0.014416	0.01377278	0.302568
1095	482283.91	3852563.62	0.02374	0.14206	0.00196	0.00265	0.00238	0.00336	0.14252	0.14206	0.43824973	0.006044434	4.701E-09	0.000247	0.0019746	0.0008363	0.023263	0.02225387	0.448361
1096	482333.91	3852563.62	0.01895	0.10901	0.00202	0.00266	0.00238	0.00339	0.10943	0.10901	0.34982445	0.004638207	4.845E-09	0.0002479	0.0019746	0.0008438	0.017862	0.01707655	0.358314
1097	482383.91	3852563.62	0.01609	0.08805	0.0021	0.00268	0.00237	0.00341	0.08842	0.08805	0.29702772	0.003746392	5.037E-09	0.0002498	0.0019663	0.0008487	0.014433	0.01379314	0.304478
1098	482283.91	3852613.62	0.03171	0.19722	0.00198	0.00274	0.00242	0.00346	0.19753	0.19722	0.58537906	0.008391407	4.749E-09	0.0002554	0.0020078	0.0008612	0.032243	0.03089475	0.598243
1099	482333.91	3852613.62	0.02381	0.14064	0.00205	0.00274	0.00241	0.00349	0.14104	0.14064	0.43954196	0.005984015	4.917E-09	0.0002554	0.0019995	0.0008686	0.023022	0.02203143	0.44964
1100	482383.91	3852613.62	0.01907	0.10838	0.00214	0.00274	0.00241	0.00352	0.10876	0.10838	0.3520397	0.004611402	5.132E-09	0.0002554	0.0019995	0.0008761	0.017753	0.01697786	0.360557
1101	482602.38	3852600.87	0.01161	0.04918	0.00244	0.00282	0.00236	0.00346	0.0495	0.04918	0.21432516	0.002092533	5.852E-09	0.0002628	0.001958	0.0008612	0.00808	0.00770411	0.219875
1102	482652.38	3852600.87	0.01094	0.04389	0.00247	0.00285	0.00235	0.00346	0.04433	0.04389	0.2019567	0.001867452	5.924E-09	0.0002656	0.0019497	0.0008612	0.007236	0.00687542	0.207261
1103	482702.38	3852600.87	0.01044	0.03835	0.00246	0.00287	0.00234	0.00343	0.03889	0.03835	0.1927265	0.001631733	5.9E-09	0.0002675	0.0019414	0.0008537	0.006348	0.00600757	0.197761
1104	482552.38	3852650.87	0.01365	0.06479	0.00245	0.00288	0.00242	0.0036	0.06503	0.06479	0.25198437	0.002756715	5.876E-09	0.0002684	0.0020078	0.000896	0.010615	0.01014943	0.258379
1105	482602.38	3852650.87	0.01256	0.05585	0.00251	0.0029	0.00241	0.00359	0.05618	0.05585	0.23186254	0.002376331	6.02E-09	0.0002703	0.0019995	0.0008935	0.00917	0.00874897	0.237823
1106	482652.38	3852650.87	0.0117	0.04935	0.00255	0.00292	0.00239	0.00359	0.04978	0.04935	0.2159866	0.002099766	6.116E-09	0.0002721	0.0019829	0.0008935	0.008126	0.00773074	0.22163
1107	482702.38	3852650.87	0.01102	0.04415	0.00257	0.00295	0.00238	0.00358	0.04467	0.04415	0.20343353	0.001878514	6.164E-09	0.0002749	0.0019746	0.000891	0.007291	0.00691615	0.208828
1108	482552.38	3852700.87	0.01532	0.07621	0.00249	0.00296	0.00246	0.00374	0.07649	0.07621	0.28281322	0.003242618	5.972E-09	0.0002759	0.002041	0.0009309	0.012485	0.01193839	0.289851
1109	482602.38	3852700.87	0.0138	0.06517	0.00258	0.00298	0.00245	0.00374	0.06549	0.06517	0.25475342	0.002772883	6.188E-09	0.0002777	0.0020327	0.0009309	0.01069	0.01020896	0.261248
1110	482652.38	3852700.87	0.01263	0.05759	0.00265	0.00299	0.00243	0.00375	0.05802	0.05759	0.23315476	0.002450366	6.356E-09	0.0002787	0.0020161	0.0009334	0.009471	0.00902154	0.239282
1111	482702.38	3852700.87	0.01179	0.05019	0.00267	0.00302	0.00242	0.00373	0.05072	0.05019	0.21764803	0.002135507	6.404E-09	0.0002815	0.0020078	0.0009284	0.008279	0.00786232	0.223418
1112	482452.38	3852750.87	0.02673	0.15323	0.00233	0.003	0.0025	0.00388	0.15349	0.15323	0.49344631	0.0065197	5.588E-09	0.0002796	0.0020741	0.0009657	0.025054	0.02400367	0.504336
1113	482521.29	3852749.74	0.0195	0.10437	0.00248	0.00303	0.0025	0.00389	0.10464	0.10437	0.35997766	0.004440783	5.948E-09	0.0002824	0.0020741	0.0009682	0.01708	0.01634969	0.368474
1114	482571.29	3852749.74	0.01671	0.08485	0.00258	0.00305	0.00249	0.00388	0.08513	0.08485	0.30847317	0.003610237	6.188E-09	0.0002842	0.0020658	0.0009657	0.013896	0.01329186	0.316003
1115	482521.29	3852799.74	0.02433	0.13429	0.00253	0.00312	0.00254	0.00404	0.13453	0.13429	0.44914136	0.005713832	6.068E-09	0.0002908	0.0021073	0.0010055	0.021959	0.02103669	0.459181
1116	482571.29	3852799.74	0.0198	0.10395	0.00264	0.00315	0.00253	0.00404	0.10423	0.10395	0.36551578	0.004422912	6.332E-09	0.0002936	0.002099	0.0010055	0.017013	0.01628389	0.374066
1117	482621.29	3852799.74	0.017	0.08434	0.00274	0.00317	0.00253	0.00403	0.0847	0.08434	0.31382668	0.003588537	6.571E-09	0.0002954	0.002099	0.0010031	0.013825	0.01321196	0.321426
1118	482571.29	3852849.74	0.02491	0.13264	0.00268	0.00325	0.00257	0.0042	0.13288	0.13264	0.45984839	0.005643627	6.428E-09	0.0003029	0.0021322	0.0010454	0.02169	0.02077822	0.469884
1119	482621.29	3852849.74	0.02035	0.10214	0.00279	0.00328	0.00257	0.00419	0.10249	0.10214	0.375669	0.004345899	6.691E-09	0.0003057	0.0021322	0.0010429	0.016729	0.01600036	0.384225
1120	482577.42	3852901.55	0.03298	0.17504	0.00273	0.00338	0.00261	0.00438	0.17519	0.17504	0.60882376	0.007447682	6.547E-09	0.000315	0.0021654	0.0010902	0.028596	0.02742023	0.621018
1121	482627.42	3852901.55	0.02537	0.12589	0.00285	0.00341	0.00261	0.00437	0.12624	0.12589	0.46834017	0.005356425	6.835E-09	0.0003178	0.0021654	0.0010877	0.020606	0.01972082	0.478153
1122	482629.96	3852955.85	0.0347	0.17123	0.00291	0.00355	0.00265	0.00459	0.17172	0.17123	0.64057564	0.007285572	6.979E-09	0.0003308	0.0021986	0.0011424	0.02803	0.02682339	0.652739
1123	482679.96	3852955.85	0.02662	0.12238	0.00302	0.00358	0.00265	0.00458	0.12327	0.12238	0.49141566	0.00520708	7.243E-09	0.0003336	0.0021986	0.0011399	0.020121	0.01917098	0.501245
1124	482781.63	3853034.48	0.02412	0.09022	0.00328	0.00388	0.00272	0.00491	0.09208	0.09022	0.44526468	0.003838722	7.867E-09	0.0003616	0.0022567	0.0012221	0.01503	0.01413307	0.453841
1125	482831.63	3853034.48	0.02035	0.07262	0.00329	0.00391	0.00272	0.00488	0.0742	0.07262	0.375669	0.003089869	7.891E-09	0.0003644	0.0022567	0.0012146	0.012112	0.01137601	0.38333
1126	482881.63	3853034.48	0.01789	0.06025	0.00325	0.00397	0.00271	0.00485	0.06165	0.06025	0.33025643	0.002563545	7.795E-09	0.00037	0.0022484	0.0012071	0.010063	0.00943824	0.33727
1127	482781.63	3853084.48	0.02788	0.10204	0.00338	0.00407	0.00276	0.00517	0.10403	0.10204	0.51467576	0.004341645	8.106E-09	0.0003793	0.0022898	0.0012868	0.016981	0.01598469	0.523969
1128	482831.63	3853084.48	0.02285	0.08005	0.0034	0.0041	0.00276	0.00516	0.08173	0.08005	0.42181998	0.003406004	8.154E-09	0.0003821	0.0022898	0.0012843	0.013341	0.01253993	0.429983
1129	482881.63	3853084.48	0.01971	0.06595	0.00338	0.00414	0.00276	0.00513	0.06743	0.06595	0.36385435	0.002806071	8.106E-09	0.0003858	0.0022898	0.0012768	0.011007	0.01033115	0.371288
1130	482781.63	3853134.48	0.03223	0.11897	0.0035	0.00427	0.0028	0.00547	0.12102	0.11897	0.59497847	0.00506199	8.394E-09	0.0003979	0.002323	0.0013615	0.019754	0.0186368	0.60524
1131	482831.63	3853134.48	0.02561	0.08999	0.00353	0.0043	0.0028	0.00546	0.09175	0.08999	0.47277067	0.003828936	8.466E-09	0.0004007	0.002323	0.001359	0.014976	0.01409704	0.481562
1132	482881.63	3853134.48	0.02166	0.0727	0.00353	0.00435	0.0028	0.00546	0.07423	0.0727	0.39985211	0.003093273	8.466E-09	0.0004054	0.002323	0.001359	0.012116	0.01138854	0.407761
1133	482831.63	3853184.48	0.02909	0.10328	0.00367	0.00453	0.00284	0.00581	0.10521	0.10328	0.53701283	0.004394405	8.802E-09	0.0004222	0.0023562	0.0014461	0.017173	0.01617894	0.546626
1134	482881.63	3853184.48	0.024	0.08081	0.00367	0.00458	0.00284	0.00581	0.08251	0.08081	0.44304943	0.003438341	8.802E-09	0.0004268	0.0023562	0.0014461	0.013468	0.01265898	0.451526
1135	484154.84	3854250.98	0.03837	0.01251	0.01306	0.06103	0.00424	0.04178	0.03338	0.01251	0.70832528	0.000532281	3.132E-08	0.0056877	0.0035177	0.0103989	0.005449	0.00195971	0.731951
1136	484204.84	3854250.98	0.03707	0.01212	0.01327	0.05661	0.00424	0.03921	0.03156	0.01212	0.68432677	0.000515687	3.183E-08	0.0052758	0.0035177	0.0097592	0.005151	0.00189861	0.706648

1137	484154.84	3854300.98	0.04185	0.01239	0.01511	0.06911	0.00431	0.04529	0.03659	0.01239	0.77256745	0.000527175	3.624E-08	0.0064408	0.0035758	0.0112725	0.005973	0.00194091	0.798415
1138	484204.84	3854300.98	0.0402	0.01208	0.01541	0.06408	0.00432	0.04257	0.03468	0.01208	0.7421078	0.000513985	3.696E-08	0.005972	0.0035841	0.0105955	0.005661	0.00189235	0.766542
1139	484074.19	3854519.8	0.07432	0.01368	0.03248	0.24743	0.00458	0.11494	0.09365	0.01368	1.37197641	0.000582063	7.79E-08	0.0230595	0.0037998	0.0286082	0.015286	0.00214299	1.441169
1140	484124.19	3854519.8	0.06889	0.01314	0.03198	0.18919	0.00458	0.0936	0.07897	0.01314	1.27173648	0.000559087	7.67E-08	0.0176317	0.0037998	0.0232967	0.01289	0.0020584	1.327856
1141	484074.19	3854569.8	0.08788	0.01402	0.03958	0.41988	0.00468	0.16208	0.13036	0.01402	1.62229934	0.000596529	9.493E-08	0.0391311	0.0038828	0.0403412	0.021278	0.00219625	1.725333
1142	484124.19	3854569.8	0.08019	0.01338	0.03853	0.27709	0.00467	0.12116	0.10328	0.01338	1.48033892	0.000569298	9.241E-08	0.0258236	0.0038745	0.0301563	0.016858	0.00209599	1.555525
1143	485205.11	3855188.89	0.07864	0.0126	0.02103	0.20887	0.00755	0.09174	0.07467	0.0126	1.45172531	0.000536111	5.044E-08	0.0194658	0.0062639	0.0228338	0.012188	0.00197381	1.511039
1144	485255.11	3855188.89	0.07414	0.01216	0.02041	0.16322	0.00754	0.07769	0.06395	0.01216	1.36865354	0.000517389	4.895E-08	0.0152114	0.0062556	0.0193368	0.010438	0.00190488	1.418508
1145	485205.11	3855238.89	0.08696	0.01288	0.02057	0.29136	0.00782	0.11067	0.08647	0.01288	1.60531578	0.000548024	4.933E-08	0.0271535	0.0064879	0.0275454	0.014114	0.00201767	1.679147
1146	485255.11	3855238.89	0.08049	0.01257	0.02038	0.21454	0.00785	0.0919	0.07332	0.01257	1.48587704	0.000534834	4.888E-08	0.0199942	0.0065128	0.0228736	0.011968	0.00196911	1.545791
1147	485205.11	3855288.89	0.0959	0.01363	0.0211	0.53194	0.00816	0.15562	0.11253	0.01363	1.77035169	0.000579935	5.06E-08	0.0495746	0.00677	0.0387333	0.018368	0.00213516	1.882243
1148	485255.11	3855288.89	0.08755	0.01322	0.02101	0.32438	0.00819	0.11884	0.09004	0.01322	1.61620741	0.000562491	5.039E-08	0.0302309	0.0067949	0.0295789	0.014697	0.00207093	1.696001
1149	485255.11	3855338.89	0.09744	0.01394	0.02191	0.60647	0.00855	0.16438	0.11524	0.01394	1.7987807	0.000593125	5.255E-08	0.0565205	0.0070936	0.0409136	0.01881	0.00218372	1.920528
1150	485305.11	3855338.89	0.08863	0.01347	0.02178	0.3553	0.00858	0.12409	0.09209	0.01347	1.63614464	0.000573128	5.224E-08	0.0331125	0.0071184	0.0308856	0.015032	0.00211009	1.720756
1151	485852.5	3855635.28	0.06917	0.01283	0.03183	0.13223	0.01205	0.06463	0.04837	0.01283	1.27690539	0.000545897	7.634E-08	0.0123233	0.0099973	0.0160862	0.007895	0.00200984	1.321744
1152	485902.5	3855635.28	0.06631	0.01243	0.03108	0.11274	0.01213	0.05785	0.04363	0.01243	1.22410866	0.000528877	7.454E-08	0.0105069	0.0100637	0.0143987	0.007122	0.00194717	1.264781
1153	485852.5	3855685.28	0.07354	0.01327	0.03535	0.16349	0.01271	0.07386	0.05388	0.01327	1.3575773	0.000564618	8.478E-08	0.0152366	0.0105449	0.0183835	0.008795	0.00207876	1.409023
1154	485902.5	3855685.28	0.07017	0.01283	0.03423	0.1344	0.01278	0.06489	0.04802	0.01283	1.29536578	0.000545897	8.21E-08	0.0125255	0.010603	0.0161509	0.007838	0.00200984	1.34102
1155	485852.5	3855735.28	0.07877	0.01373	0.03925	0.21368	0.01343	0.08662	0.06084	0.01373	1.45412516	0.00058419	9.413E-08	0.0199141	0.0111423	0.0215594	0.009931	0.00215082	1.515105
1156	485902.5	3855735.28	0.07448	0.01333	0.03796	0.16895	0.01352	0.07475	0.05377	0.01333	1.37493007	0.000567171	9.104E-08	0.0157454	0.0112169	0.018605	0.008777	0.00208816	1.427753
1157	485852.5	3855785.28	0.08511	0.0143	0.04388	0.31259	0.01423	0.10739	0.07047	0.0143	1.57116405	0.000608443	1.052E-07	0.0291321	0.011806	0.026729	0.011503	0.00224011	1.648702
1158	485902.5	3855785.28	0.07991	0.01376	0.04177	0.22363	0.01431	0.08784	0.06057	0.01376	1.47517001	0.000585467	1.002E-07	0.0208414	0.0118724	0.0218631	0.009887	0.00215552	1.538064
1159	486809.46	3856465.28	0.07017	0.01363	0.0169	0.14549	0.06203	0.06734	0.04348	0.01363	1.29536578	0.000579935	4.053E-08	0.0135591	0.0514635	0.0167607	0.007097	0.00213516	1.382691
1160	486859.46	3856465.28	0.06686	0.01341	0.01671	0.12375	0.06483	0.06107	0.04016	0.01341	1.23426188	0.000570575	4.008E-08	0.011533	0.0537866	0.0152001	0.006555	0.00210069	1.319807
1161	486909.46	3856465.28	0.06399	0.01318	0.01645	0.10779	0.06761	0.056	0.03733	0.01318	1.18128055	0.000560789	3.945E-08	0.0100456	0.056093	0.0139382	0.006093	0.00206466	1.265947
1162	486809.46	3856515.28	0.07409	0.01407	0.01622	0.17987	0.06996	0.0769	0.04778	0.01407	1.36773052	0.000598657	3.89E-08	0.0167631	0.0580427	0.0191401	0.007799	0.00220408	1.46787
1163	486859.46	3856515.28	0.07018	0.01387	0.01612	0.14737	0.07367	0.06855	0.04375	0.01387	1.29555038	0.000590147	3.866E-08	0.0137343	0.0611207	0.0170619	0.007141	0.00217275	1.393026
1164	486909.46	3856515.28	0.06686	0.01364	0.01595	0.12508	0.0774	0.06206	0.04038	0.01364	1.23426188	0.000580361	3.825E-08	0.0116569	0.0642153	0.0154465	0.006591	0.00213672	1.330616
1165	486980.94	3856357.95	0.05588	0.01211	0.01726	0.07309	0.0545	0.04279	0.02965	0.01211	1.03156676	0.000515262	4.14E-08	0.0068117	0.0452162	0.0106503	0.00484	0.00189705	1.097703
1166	487030.94	3856357.95	0.05407	0.01194	0.01687	0.06749	0.05656	0.04057	0.02818	0.01194	0.99815345	0.000508029	4.046E-08	0.0062898	0.0469253	0.0100977	0.0046	0.00187042	1.064704
1167	486980.94	3856407.95	0.05782	0.01248	0.01667	0.08057	0.06174	0.04598	0.03155	0.01248	1.06737993	0.000531005	3.998E-08	0.0075088	0.0512229	0.0114443	0.00515	0.00195501	1.141282
1168	487030.94	3856407.95	0.05585	0.01229	0.0163	0.07373	0.06418	0.04335	0.02985	0.01229	1.03101295	0.000522921	3.909E-08	0.0068713	0.0532473	0.0107897	0.004872	0.00192524	1.105391
1169	487447.18	3856437.45	0.04462	0.01125	0.01358	0.04549	0.08408	0.0313	0.02138	0.01125	0.82370274	0.00047867	3.257E-08	0.0042395	0.0697574	0.0077905	0.00349	0.00176233	0.907696
1170	487497.18	3856437.45	0.04354	0.01113	0.0134	0.04345	0.08473	0.03035	0.02065	0.01113	0.80376551	0.000473564	3.214E-08	0.0040494	0.0702967	0.007554	0.003371	0.00174353	0.887766
1171	487547.18	3856437.45	0.0425	0.01103	0.01324	0.04161	0.08572	0.02948	0.01998	0.01103	0.7845667	0.000469309	3.175E-08	0.0038779	0.0711181	0.0073375	0.003261	0.00172786	0.868903
1172	487447.18	3856487.45	0.04562	0.01154	0.01325	0.04802	0.10076	0.03275	0.02221	0.01154	0.84216313	0.000491009	3.178E-08	0.0044753	0.0835961	0.0081514	0.003625	0.00180776	0.940694
1173	487497.18	3856487.45	0.04448	0.01141	0.01307	0.04573	0.10209	0.03168	0.02141	0.01141	0.82111828	0.000485478	3.135E-08	0.0042618	0.0846995	0.007885	0.003495	0.00178739	0.920158
1174	487547.18	3856487.45	0.04338	0.0113	0.01292	0.04367	0.10388	0.03072	0.02068	0.0113	0.80081185	0.000480798	3.099E-08	0.0040699	0.0861846	0.0076461	0.003376	0.00177016	0.900799
1175	487447.18	3856537.45	0.0467	0.01185	0.01297	0.05087	0.12202	0.03435	0.02312	0.01185	0.86210036	0.000504199	3.111E-08	0.0047409	0.1012345	0.0085496	0.003774	0.00185632	0.979047
1176	487497.18	3856537.45	0.04548	0.0117	0.01281	0.04827	0.1245	0.03315	0.02224	0.0117	0.83957868	0.000497817	3.072E-08	0.0044986	0.1032921	0.0082509	0.00363	0.00183282	0.957915
1177	487547.18	3856537.45	0.0443	0.01159	0.01268	0.04596	0.12761	0.03209	0.02145	0.01159	0.81779541	0.000493137	3.041E-08	0.0042833	0.1058723	0.0079871	0.003501	0.00181559	0.938117
1178	489285.89	3858826.54	0.0546	0.05323	0.01981	0.54893	0.01414	0.14693	0.05522	0.05323	1.00793746	0.002264854	4.751E-08	0.051158	0.0117313	0.0365704	0.009013	0.00833854	1.110337
1179	489335.89	3858826.54	0.05231	0.04959	0.02024	0.37533	0.01396	0.1242	0.05063	0.04959	0.96566316	0.002109978	4.854E-08	0.0349792	0.011582	0.030913	0.008264	0.00776833	1.045743
1180	489385.89	3858826.54	0.05027	0.04639	0.0207	0.28802	0.01383	0.10854	0.04671	0.04639	0.92800396	0.001973823	4.965E-08	0.0268423	0.0114741	0.0270152	0.007624	0.00726705	0.995667
1181	489435.89	3858826.54	0.04845	0.04362	0.02126	0.23564	0.01374	0.09725	0.04343	0.04362	0.89440604	0.001855964	5.099E-08	0.0219607	0.0113995	0.0242052	0.007089	0.00683313	0.954083
1182	489485.89	3858826.54	0.04678	0.0412	0.0221	0.20062	0.0137	0.08864	0.04064	0.0412	0.86357719	0.001752996	5.3E-08	0.018697	0.0113663	0.0220622	0.006634	0.00645403	0.917635
1183	489535.89	3858826.54	0.04525	0.03905	0.02329	0.17543	0.01369	0.08177	0.03822	0.03905	0.83533279	0.001661517	5.586E-08	0.0163494	0.011358	0.0203523	0.006239	0.00611723	0.885175
1184	489585.89	3858826.54	0.04385	0.03713	0.02419	0.15644	0.01372	0.07616	0.03613	0.03713	0.80948823	0.001579824	5.802E-08	0.0145796	0.0113829	0.018956	0.005897	0.00581646	0.856068
1185	489635.89	3858826.54	0.04255	0.03541	0.02403	0.14152	0.01378	0.07143	0.03426	0.03541	0.78548972	0.001506641	5.763E-08	0.0131891	0.0114327	0.0177787	0.005592	0.00554702	0.829442
1186	489685.89	3858826.54	0.04134	0.03384	0.02319	0.1295	0.01387	0.06738	0.03262	0.03384	0.76315265	0.00143984	5.562E-08	0.0120689	0.0115073	0.0167707	0.005325	0.00530108	0.804963
1187	489735.89	3858826.54	0.04022	0.0324	0.02227	0.11962	0.01397	0.06387	0.03112	0.0324	0.74247701	0.00137857	5.341E-08	0.0111481	0.0115903	0.015897	0.00508	0.0050755	0.782495
1188	489785.89	3858826.54	0.03917	0.03112	0.02136	0.11144	0.01406	0.06085	0.0298	0.03112	0.7230936	0.001324108	5.123E-08	0.0103857	0.011665	0.0151454	0.004864	0.00487499	0.761603
1189	489835.89	3858826.54	0.0382	0.0299	0.02072	0.10442	0.01417	0.05811	0.02855	0.0299	0.70518701	0.001272199	4.969E-08	0.0097315	0.0117562	0.0144634	0.00466	0.00468387	0.742387
1190	489885.89	3858826.54	0.03726	0.0288	0.02034	0.09851	0.01426	0.05575	0.02746	0.0288	0.68783424	0.001225396	4.878E-08	0.0091807	0.0118309	0.013876	0.004482	0.00451156	0.723918
1191	489935.89	3858826.54	0.03637	0.02777	0.01987	0.09337	0.01435	0.05361	0.02643	0.02777	0.6714045	0.001181571	4.766E-08	0.0087017	0.0119056	0.0133433	0.004314	0.0043502	0.706501
1192	489985.89	3858826.54	0.03553	0.0268	0.01946	0.08884	0.01442	0.05165	0.02547	0.0268	0.65589776	0.001140299	4.667E-08	0.0082795	0.0119636	0.0128555	0.004157	0.00419825	0.690096
1193	490035.89	3858826.54	0.03476	0.02583	0.01936	0.08476	0.01451	0.04978	0.0245	0.02583	0.64168326	0.001099027	4.643E-08	0.0078993	0.0120383	0.0123901	0.003999	0.0040463	0.675063

1194	489285.89	3858876.54	0.05683	0.06158	0.02084	0.63261	0.01356	0.19198	0.06421	0.06158	1.04910414	0.002620134	4.998E-08	0.0589566	0.0112501	0.0477832	0.010481	0.00964658	1.170549
1195	489335.89	3858876.54	0.05422	0.05669	0.02134	0.42333	0.01335	0.15355	0.05804	0.05669	1.00092251	0.002412072	5.118E-08	0.0394526	0.0110759	0.0382181	0.009474	0.00888056	1.092674
1196	489385.89	3858876.54	0.05191	0.05256	0.02196	0.32061	0.01317	0.12958	0.05302	0.05256	0.958279	0.002236347	5.267E-08	0.0298795	0.0109266	0.032252	0.008654	0.00823359	1.033994
1197	489435.89	3858876.54	0.04995	0.049	0.02266	0.2593	0.01305	0.11305	0.04884	0.049	0.92209663	0.002084874	5.435E-08	0.0241657	0.010827	0.0281378	0.007972	0.00767591	0.987608
1198	489485.89	3858876.54	0.04816	0.04591	0.02357	0.21848	0.01296	0.10091	0.04531	0.04591	0.88905253	0.0019534	5.653E-08	0.0203614	0.0107523	0.0251162	0.007396	0.00719186	0.94744
1199	489535.89	3858876.54	0.04651	0.04321	0.0249	0.18929	0.01292	0.09158	0.0423	0.04321	0.85859288	0.001838519	5.972E-08	0.017641	0.0107191	0.022794	0.006905	0.0067689	0.911721
1200	489585.89	3858876.54	0.045	0.04079	0.0262	0.16728	0.01293	0.08407	0.03967	0.04079	0.83071769	0.001735552	6.284E-08	0.0155898	0.0107274	0.0209247	0.006475	0.0063898	0.879781
1201	489635.89	3858876.54	0.04358	0.0387	0.02639	0.15039	0.01295	0.07807	0.03745	0.0387	0.80450393	0.001646625	6.329E-08	0.0140157	0.010744	0.0194314	0.006113	0.0060624	0.850392
1202	489685.89	3858876.54	0.04228	0.03682	0.02549	0.1368	0.013	0.07301	0.03547	0.03682	0.78050542	0.001566634	6.113E-08	0.0127492	0.0107855	0.0181719	0.00579	0.0057679	0.823801
1203	489735.89	3858876.54	0.04108	0.0351	0.0244	0.12562	0.01308	0.06867	0.03369	0.0351	0.75835295	0.001493451	5.852E-08	0.0117073	0.0108519	0.0170917	0.005499	0.00549846	0.799498
1204	489785.89	3858876.54	0.03994	0.03358	0.02336	0.11646	0.01317	0.06501	0.03215	0.03358	0.7373081	0.001428777	5.603E-08	0.0108536	0.0109266	0.0161808	0.005248	0.00526035	0.776685
1205	489835.89	3858876.54	0.03889	0.03218	0.02265	0.10861	0.01327	0.06175	0.03074	0.03218	0.71792469	0.001369209	5.432E-08	0.010122	0.0110095	0.0153694	0.005018	0.00504104	0.755771
1206	489885.89	3858876.54	0.03787	0.03093	0.02219	0.10209	0.01335	0.059	0.0295	0.03093	0.69909508	0.001316024	5.322E-08	0.0095144	0.0110759	0.0146849	0.004815	0.00484522	0.735656
1207	489935.89	3858876.54	0.03694	0.02973	0.02158	0.09628	0.01346	0.05644	0.0283	0.02973	0.68192692	0.001264966	5.176E-08	0.0089729	0.0111672	0.0140477	0.004619	0.00465724	0.717342
1208	489985.89	3858876.54	0.03607	0.02855	0.0212	0.09117	0.01356	0.05409	0.02715	0.02855	0.66586638	0.001214758	5.084E-08	0.0084967	0.0112501	0.0134628	0.004432	0.00447239	0.70025
1209	490035.89	3858876.54	0.03526	0.02747	0.02134	0.08672	0.01365	0.052	0.02608	0.02747	0.65091346	0.001168806	5.118E-08	0.0080819	0.0113248	0.0129426	0.004257	0.00430321	0.684385
1210	489285.89	3858926.54	0.06065	0.07325	0.02253	0.87643	0.01305	0.30142	0.07675	0.07325	1.11962284	0.003116675	5.403E-08	0.0816796	0.010827	0.0750224	0.012528	0.0114747	1.291322
1211	489335.89	3858926.54	0.0576	0.06638	0.02306	0.5502	0.01281	0.21682	0.06812	0.06638	1.06331864	0.002824367	5.531E-08	0.0512764	0.0106279	0.0539658	0.011119	0.01039851	1.182734
1212	489385.89	3858926.54	0.05502	0.06067	0.02378	0.39393	0.01262	0.16911	0.06127	0.06067	1.01569083	0.002581415	5.703E-08	0.0367126	0.0104703	0.0420909	0.010001	0.00950403	1.108043
1213	489435.89	3858926.54	0.05278	0.05594	0.02468	0.30665	0.01246	0.13993	0.05579	0.05594	0.97433954	0.002380161	5.919E-08	0.0285785	0.0103375	0.0348281	0.009107	0.00876307	1.050807
1214	489485.89	3858926.54	0.05063	0.05191	0.02574	0.2513	0.01234	0.12026	0.05125	0.05191	0.9346497	0.00220869	6.173E-08	0.0234201	0.0102379	0.0299323	0.008365	0.00813176	1.000683
1215	489535.89	3858926.54	0.04857	0.04843	0.02722	0.21332	0.01226	0.10616	0.04745	0.04843	0.89662129	0.002060622	6.528E-08	0.0198805	0.0101716	0.0264229	0.007745	0.00758662	0.955316
1216	489585.89	3858926.54	0.04672	0.0454	0.029	0.18566	0.01223	0.09551	0.04419	0.0454	0.86246956	0.0019317	6.955E-08	0.0173027	0.0101467	0.0237721	0.007213	0.00711197	0.915724
1217	489635.89	3858926.54	0.04508	0.04276	0.02971	0.16474	0.01222	0.0872	0.0414	0.04276	0.83219452	0.001819372	7.125E-08	0.0153531	0.0101384	0.0217038	0.006758	0.00669841	0.881268
1218	489685.89	3858926.54	0.04359	0.0404	0.02878	0.1482	0.01225	0.08043	0.03896	0.0404	0.80468853	0.001718958	6.902E-08	0.0138116	0.0101633	0.0200188	0.006359	0.00632871	0.850432
1219	489735.89	3858926.54	0.0422	0.03836	0.02752	0.1351	0.01229	0.07497	0.03688	0.03836	0.77902859	0.001632159	6.6E-08	0.0125908	0.0101965	0.0186598	0.00602	0.00600914	0.822119
1220	489785.89	3858926.54	0.04093	0.03654	0.02632	0.12434	0.01235	0.07038	0.03504	0.03654	0.75558389	0.001554721	6.312E-08	0.011588	0.0102462	0.0175173	0.00572	0.00572404	0.796486
1221	489835.89	3858926.54	0.03977	0.03486	0.02547	0.11517	0.01244	0.06635	0.03334	0.03486	0.73416983	0.001483239	6.109E-08	0.0107334	0.0103209	0.0165143	0.005442	0.00546086	0.773203
1222	489885.89	3858926.54	0.03867	0.03336	0.02482	0.10752	0.01252	0.06293	0.03186	0.03336	0.7138634	0.001419417	5.953E-08	0.0100204	0.0103873	0.0156631	0.0052	0.00522588	0.751328
1223	489935.89	3858926.54	0.03766	0.03197	0.02415	0.10085	0.01262	0.05989	0.03049	0.03197	0.6952184	0.001360274	5.792E-08	0.0093988	0.0104703	0.0149064	0.004977	0.00500814	0.731323
1224	489985.89	3858926.54	0.03673	0.03065	0.02397	0.095	0.01273	0.05712	0.02919	0.03065	0.67805024	0.00130411	5.749E-08	0.0088536	0.0105615	0.014217	0.004765	0.00480136	0.71295
1225	490035.89	3858926.54	0.03589	0.02926	0.02437	0.08974	0.01285	0.05452	0.02784	0.02926	0.66254351	0.001244968	5.845E-08	0.0083634	0.0106611	0.0135698	0.004544	0.00458361	0.696344
1226	489335.89	3858976.54	0.06695	0.08015	0.02567	0.98042	0.01235	0.37673	0.08241	0.08015	1.23592331	0.003410259	6.157E-08	0.0913711	0.0102462	0.0937668	0.013452	0.0125556	1.435614
1227	489385.89	3858976.54	0.06444	0.0719	0.02647	0.59108	0.01213	0.25486	0.07271	0.0719	1.18958773	0.003059234	6.348E-08	0.0550862	0.0100637	0.0634338	0.011868	0.01126322	1.321836
1228	489435.89	3858976.54	0.05949	0.06536	0.02764	0.41279	0.01193	0.19103	0.06528	0.06536	1.09820878	0.002780967	6.629E-08	0.0384703	0.0098978	0.0475467	0.010656	0.01023872	1.197321
1229	489485.89	3858976.54	0.05528	0.05983	0.02894	0.31616	0.01179	0.15342	0.0592	0.05983	1.02049053	0.002545674	6.941E-08	0.0294648	0.0097816	0.0381857	0.009663	0.00937244	1.100759
1230	489535.89	3858976.54	0.0519	0.05516	0.03058	0.25649	0.0117	0.12914	0.05417	0.05516	0.9580944	0.002346973	7.334E-08	0.0239038	0.009707	0.0321425	0.008842	0.00864088	1.026396
1231	489585.89	3858976.54	0.04927	0.05127	0.03287	0.21669	0.01162	0.11253	0.05005	0.05127	0.90954357	0.002181459	7.883E-08	0.0201946	0.0096406	0.0280083	0.00817	0.00803151	0.969707
1232	489635.89	3858976.54	0.04717	0.04787	0.03436	0.18782	0.01158	0.10021	0.0465	0.04787	0.87077674	0.002036795	8.241E-08	0.017504	0.0096074	0.0249419	0.00759	0.00749889	0.924958
1233	489685.89	3858976.54	0.04535	0.04489	0.03359	0.166	0.01158	0.09071	0.04342	0.04489	0.83717882	0.00191	8.056E-08	0.0154705	0.0096074	0.0225774	0.007087	0.00703207	0.8868
1234	489735.89	3858976.54	0.04372	0.04233	0.03201	0.14915	0.0116	0.08327	0.04081	0.04233	0.80708838	0.001801076	7.677E-08	0.0139002	0.009624	0.0207256	0.006661	0.00663105	0.85317
1235	489785.89	3858976.54	0.04224	0.04011	0.03058	0.13577	0.01163	0.07729	0.03857	0.04011	0.779767	0.001706619	7.334E-08	0.0126532	0.0096489	0.0192372	0.006296	0.00628328	0.823025
1236	489835.89	3858976.54	0.0409	0.03811	0.02962	0.1247	0.01168	0.07225	0.03656	0.03811	0.75503008	0.001621522	7.104E-08	0.0116215	0.0096904	0.0179828	0.005968	0.00596998	0.795944
1237	489885.89	3858976.54	0.03971	0.03623	0.02861	0.11515	0.01177	0.06779	0.0347	0.03623	0.73306221	0.001541531	6.862E-08	0.0107315	0.009765	0.0168727	0.005664	0.00567547	0.771962
1238	489935.89	3858976.54	0.03859	0.03456	0.02793	0.10715	0.01187	0.06401	0.03305	0.03456	0.71238657	0.001470475	6.699E-08	0.0099859	0.009848	0.0159319	0.005395	0.00541387	0.749604
1239	489985.89	3858976.54	0.03754	0.03304	0.02823	0.10036	0.01196	0.06074	0.03155	0.03304	0.69300315	0.001405801	6.771E-08	0.0093531	0.0099227	0.015118	0.00515	0.00517576	0.728777
1240	490035.89	3858976.54	0.03672	0.03114	0.0289	0.09346	0.01214	0.05704	0.02971	0.03114	0.67786563	0.001324959	6.931E-08	0.0087101	0.010072	0.0141971	0.00485	0.00487812	0.712141
1241	489385.89	3859026.54	0.07592	0.08841	0.03049	0.69779	0.01171	0.47988	0.08987	0.08841	1.40151304	0.003761709	7.313E-08	0.0650311	0.0097153	0.1194405	0.014669	0.01384953	1.600282
1242	489435.89	3859026.54	0.07073	0.07852	0.03185	0.70177	0.0115	0.30485	0.07885	0.07852	1.3057036	0.003340905	7.639E-08	0.0654021	0.009541	0.0758761	0.012871	0.01230025	1.460434
1243	489485.89	3859026.54	0.06154	0.07062	0.03355	0.46377	0.01133	0.21784	0.07025	0.07062	1.13605259	0.003004772	8.046E-08	0.0432214	0.0094	0.0542196	0.011467	0.01106271	1.246303
1244	489535.89	3859026.54	0.05625	0.06423	0.03561	0.34311	0.01119	0.16957	0.06342	0.06423	1.03839711	0.002732887	8.54E-08	0.0319764	0.0092838	0.0422054	0.010352	0.01006171	1.124886
1245	489585.89	3859026.54	0.05282	0.05887	0.03829	0.27213	0.0111	0.13961	0.05777	0.05887	0.97507796	0.002504828	9.183E-08	0.0253614	0.0092092	0.0347485	0.00943	0.00922206	1.04711
1246	489635.89	3859026.54	0.05018	0.05442	0.0409	0.22632	0.01103	0.11972	0.05313	0.05442	0.92634252	0.002315487	9.809E-08	0.0210921	0.0091511	0.0297979	0.008672	0.00852496	0.988847
1247	489685.89	3859026.54	0.04791	0.05061	0.04065	0.1942	0.011	0.10545	0.0492	0.05061	0.88443743	0.002153377	9.749E-08	0.0180986	0.0091262	0.0262461	0.008031	0.00792812	0.940165
1248	489735.89	3859026.54	0.04586	0.04736	0.0387	0.17066	0.01098	0.09484	0.04589	0.04736	0.84659363	0.002015095	9.282E-08	0.0159048	0.0091096	0.0236054	0.007491	0.007419	0.8973
1249	489785.89	3859026.54	0.04405	0.04453	0.03688	0.15251	0.01099	0.08652	0.04302	0.04453	0.81318031	0.001894683	8.845E-08	0.0142133	0.0091179	0.0215345	0.007022	0.00697568	0.859987
1250	489835.89	3859026.54	0.04247	0.04194	0.03548	0.13778	0.01104	0.07961	0.04041	0.04194	0.78401289	0.001784482	8.509E-08	0.0128405	0.0091594	0.0198147	0.006596	0.00656995	0.827638

1251	489885.89	3859026.54	0.04104	0.0397	0.03425	0.12592	0.0111	0.074	0.03817	0.0397	0.75761453	0.001689174	8.214E-08	0.0117352	0.0092092	0.0184183	0.00623	0.00621905	0.798678
1252	489935.89	3859026.54	0.03975	0.03767	0.03385	0.11599	0.01118	0.06922	0.03616	0.03767	0.73380062	0.0016028	8.118E-08	0.0108098	0.0092755	0.0172286	0.005902	0.00590105	0.772719
1253	489985.89	3859026.54	0.03857	0.03583	0.03492	0.10762	0.01127	0.06513	0.03435	0.03583	0.71201736	0.001524511	8.375E-08	0.0100297	0.0093502	0.0162106	0.005607	0.00561281	0.749127
1254	490035.89	3859026.54	0.03766	0.03349	0.03653	0.09896	0.01146	0.06047	0.03207	0.03349	0.6952184	0.001424948	8.761E-08	0.0092227	0.0095079	0.0150508	0.005235	0.00524625	0.730413
1255	489485.89	3859076.54	0.06884	0.08635	0.04034	0.90842	0.01093	0.37335	0.0868	0.08635	1.27081346	0.003674059	9.675E-08	0.084661	0.0090681	0.0929255	0.014168	0.01352683	1.461784
1256	489535.89	3859076.54	0.06523	0.07685	0.04307	0.55246	0.01077	0.25313	0.07657	0.07685	1.20417144	0.003269849	1.033E-07	0.051487	0.0089354	0.0630032	0.012498	0.01203865	1.331327
1257	489585.89	3859076.54	0.06004	0.06926	0.04641	0.38651	0.01065	0.18943	0.06852	0.06926	1.108362	0.002946906	1.113E-07	0.0360211	0.0088358	0.0471485	0.011184	0.01084966	1.203649
1258	489635.89	3859076.54	0.05572	0.06319	0.05046	0.29705	0.01055	0.15236	0.06215	0.06319	1.0286131	0.002688637	1.21E-07	0.0276838	0.0087529	0.0379219	0.010145	0.00989879	1.105906
1259	489685.89	3859076.54	0.0521	0.05811	0.05137	0.24184	0.01048	0.12837	0.05688	0.05811	0.96178648	0.002472491	1.232E-07	0.0225385	0.0086948	0.0319509	0.009284	0.009103	1.027625
1260	489735.89	3859076.54	0.04906	0.0538	0.04887	0.20455	0.01044	0.11167	0.05246	0.0538	0.90566688	0.002289107	1.172E-07	0.0190632	0.0086616	0.0277943	0.008563	0.00842784	0.96361
1261	489785.89	3859076.54	0.04656	0.05011	0.04642	0.17772	0.01043	0.09939	0.04869	0.05011	0.8595159	0.002132103	1.113E-07	0.0165628	0.0086533	0.0247378	0.007948	0.00784979	0.9117
1262	489835.89	3859076.54	0.0445	0.04685	0.04453	0.15728	0.01045	0.08984	0.04539	0.04685	0.82148749	0.001993395	1.068E-07	0.0146578	0.0086699	0.0223609	0.007409	0.00733911	0.869239
1263	489885.89	3859076.54	0.04273	0.04398	0.04304	0.14128	0.0105	0.08223	0.04252	0.04398	0.78881259	0.001871281	1.032E-07	0.0131667	0.0087114	0.0204668	0.00694	0.00688952	0.83308
1264	489935.89	3859076.54	0.04116	0.04152	0.04365	0.12852	0.01055	0.0761	0.04005	0.04152	0.75982978	0.001766612	1.047E-07	0.0119775	0.0087529	0.018941	0.006537	0.00650416	0.801301
1265	489985.89	3859076.54	0.0398	0.03924	0.0463	0.11778	0.01063	0.07083	0.0378	0.03924	0.73472364	0.001669601	1.11E-07	0.0109766	0.0088192	0.0176293	0.00617	0.00614699	0.773842
1266	490035.89	3859076.54	0.0387	0.0366	0.04984	0.10735	0.01079	0.06531	0.0352	0.0366	0.71441721	0.001557274	1.195E-07	0.0100046	0.008952	0.0162554	0.005746	0.00573343	0.751199
1267	489585.89	3859126.54	0.07606	0.0844	0.05923	0.69115	0.01025	0.30134	0.08428	0.0844	1.40409749	0.00359109	1.421E-07	0.0644123	0.008504	0.0750025	0.013757	0.01322136	1.556143
1268	489635.89	3859126.54	0.06583	0.07547	0.06505	0.45156	0.01012	0.21567	0.07483	0.07547	1.21524767	0.003211132	1.56E-07	0.0420835	0.0083961	0.0536795	0.012214	0.01182247	1.32301
1269	489685.89	3859126.54	0.05837	0.06824	0.06811	0.33184	0.01003	0.16794	0.06728	0.06824	1.07753314	0.002903507	1.634E-07	0.0309261	0.0083214	0.0417997	0.010982	0.01068988	1.161776
1270	489735.89	3859126.54	0.05328	0.0623	0.06501	0.26263	0.00998	0.13845	0.06116	0.0623	0.98356974	0.002650769	1.559E-07	0.024476	0.00828	0.0344597	0.009983	0.00975937	1.05366
1271	489785.89	3859126.54	0.04972	0.05735	0.06153	0.21803	0.00994	0.11864	0.05609	0.05735	0.91785074	0.002440154	1.476E-07	0.0203195	0.0082468	0.0295291	0.009155	0.00898395	0.978558
1272	489835.89	3859126.54	0.04705	0.05309	0.05879	0.18674	0.00994	0.10431	0.05176	0.05309	0.86856149	0.002258898	1.41E-07	0.0174034	0.0082468	0.0259624	0.008449	0.00831661	0.922565
1273	489885.89	3859126.54	0.04485	0.04937	0.05758	0.16354	0.00997	0.09345	0.048	0.04937	0.82794863	0.002100617	1.381E-07	0.0152413	0.0082717	0.0232594	0.007835	0.00773387	0.876923
1274	489935.89	3859126.54	0.04295	0.04624	0.06062	0.14603	0.01	0.08511	0.04486	0.04624	0.79287388	0.001967441	1.454E-07	0.0136094	0.0082966	0.0211836	0.007322	0.00724355	0.83801
1275	489985.89	3859126.54	0.04135	0.04325	0.06609	0.13132	0.01008	0.0779	0.04188	0.04325	0.76333725	0.001840221	1.585E-07	0.0122385	0.0083629	0.019389	0.006836	0.00677517	0.805229
1276	490035.89	3859126.54	0.03995	0.04043	0.07179	0.11922	0.01018	0.07184	0.03909	0.04043	0.7374927	0.001720234	1.722E-07	0.0111108	0.0084459	0.0178807	0.006381	0.00633341	0.776698
1277	489585.89	3859176.54	0.08449	0.10797	0.07975	0.64139	0.00991	0.39522	0.10884	0.10797	1.55971861	0.004593957	1.913E-07	0.0597749	0.0082219	0.0983689	0.017766	0.01691363	1.731531
1278	489635.89	3859176.54	0.07504	0.09367	0.08852	0.91255	0.00976	0.36848	0.09364	0.09367	1.38526789	0.003985514	2.123E-07	0.0850459	0.0080974	0.0917134	0.015285	0.01467352	1.574722
1279	489685.89	3859176.54	0.0646	0.08281	0.09588	0.54722	0.00964	0.25007	0.08227	0.08281	1.19254139	0.003523438	2.3E-07	0.0509986	0.0079979	0.0622416	0.013429	0.01297229	1.31776
1280	489735.89	3859176.54	0.05841	0.07423	0.09283	0.38008	0.00955	0.18752	0.07339	0.07423	1.07827156	0.003158372	2.226E-07	0.0354219	0.0079232	0.0466731	0.011979	0.01162822	1.171799
1281	489785.89	3859176.54	0.05409	0.06714	0.08711	0.29033	0.00951	0.15065	0.06613	0.06714	0.99852266	0.002856703	2.089E-07	0.0270576	0.00789	0.0374963	0.010794	0.01051756	1.0741
1282	489835.89	3859176.54	0.05067	0.06135	0.08315	0.23527	0.00949	0.12671	0.06023	0.06135	0.93538812	0.002610348	1.994E-07	0.0219262	0.0078734	0.0315377	0.009831	0.00961055	0.999557
1283	489885.89	3859176.54	0.0478	0.05642	0.08443	0.19815	0.00949	0.10995	0.05524	0.05642	0.88240679	0.002400584	2.025E-07	0.0184668	0.0078734	0.0273662	0.009017	0.00883826	0.938692
1284	489935.89	3859176.54	0.04533	0.05232	0.09322	0.17198	0.00951	0.09784	0.0511	0.05232	0.83680962	0.002226135	2.236E-07	0.0160278	0.00789	0.024352	0.008341	0.00819599	0.887451
1285	489985.89	3859176.54	0.04329	0.04849	0.10267	0.15131	0.00957	0.08794	0.04724	0.04849	0.79915041	0.002063175	2.462E-07	0.0141015	0.0079398	0.021888	0.007711	0.00759602	0.845258
1286	490035.89	3859176.54	0.04148	0.04547	0.10932	0.13614	0.00961	0.0806	0.04423	0.04547	0.7657371	0.001934678	2.622E-07	0.0126877	0.007973	0.0200611	0.00722	0.00712293	0.80849
1287	489685.89	3859226.54	0.07634	0.10521	0.14478	0.66074	0.00931	0.46671	0.1054	0.10521	1.4092664	0.004476523	3.472E-07	0.0615782	0.0077241	0.1161625	0.017204	0.01648127	1.599931
1288	489735.89	3859226.54	0.07254	0.09174	0.14417	0.69175	0.00919	0.29681	0.09145	0.09174	1.33911691	0.003903396	3.458E-07	0.0644682	0.0076245	0.073875	0.014927	0.01437118	1.489545
1289	489785.89	3859226.54	0.06384	0.08117	0.13457	0.44914	0.00913	0.21305	0.0806	0.08117	1.17851149	0.003453658	3.227E-07	0.041858	0.0075748	0.0530274	0.013156	0.01271538	1.284866
1290	489835.89	3859226.54	0.05732	0.07267	0.12945	0.32675	0.00909	0.1655	0.07193	0.07267	1.05814973	0.003091996	3.105E-07	0.0304517	0.0075416	0.0411924	0.011741	0.01138384	1.140785
1291	489885.89	3859226.54	0.05236	0.06587	0.14066	0.25718	0.00907	0.13632	0.06501	0.06587	0.96658618	0.002802667	3.374E-07	0.0239681	0.007525	0.0339296	0.010611	0.01031862	1.035105
1292	489935.89	3859226.54	0.04863	0.06021	0.15989	0.21273	0.00908	0.11675	0.05926	0.06021	0.89772891	0.002561843	3.835E-07	0.0198256	0.0075333	0.0290587	0.009673	0.00943197	0.95695
1293	489985.89	3859226.54	0.04586	0.05502	0.17039	0.1803	0.00913	0.10174	0.054	0.05502	0.84659363	0.002341016	4.087E-07	0.0168032	0.0075748	0.0253227	0.008814	0.00861895	0.898831
1294	490035.89	3859226.54	0.04353	0.05122	0.17658	0.15883	0.00915	0.09172	0.05017	0.05122	0.80358091	0.002179332	4.235E-07	0.0148023	0.0075913	0.0228288	0.008189	0.00802368	0.851149
1295	489735.89	3859276.54	0.08548	0.12015	0.25076	0.60191	0.00888	0.37148	0.12107	0.12015	1.5779944	0.005112197	6.014E-07	0.0560955	0.0073673	0.0924601	0.019762	0.01882164	1.739971
1296	489785.89	3859276.54	0.07886	0.10271	0.23316	0.92885	0.00879	0.36378	0.103	0.10271	1.4557866	0.004370152	5.592E-07	0.086565	0.0072927	0.0905436	0.016813	0.01608965	1.645281
1297	489835.89	3859276.54	0.06675	0.08938	0.23695	0.54893	0.00874	0.24667	0.08928	0.08938	1.23223124	0.003802981	5.683E-07	0.051158	0.0072512	0.0613953	0.014573	0.01400149	1.356411
1298	489885.89	3859276.54	0.05788	0.07932	0.27915	0.37744	0.0087	0.18501	0.07897	0.07932	1.06848755	0.003374944	6.695E-07	0.0351758	0.007218	0.0460484	0.01289	0.01242557	1.16077
1299	489935.89	3859276.54	0.05262	0.07111	0.30699	0.2859	0.00869	0.14849	0.07058	0.07111	0.97138588	0.003025621	7.363E-07	0.0266447	0.0072097	0.0369587	0.011521	0.01113947	1.045607
1300	489985.89	3859276.54	0.04911	0.06381	0.30751	0.22772	0.00874	0.1234	0.06312	0.06381	0.9065899	0.002715017	7.375E-07	0.0212226	0.0072512	0.0307138	0.010303	0.00999591	0.9688
1301	490035.89	3859276.54	0.04623	0.05902	0.30046	0.195	0.00872	0.10887	0.05824	0.05902	0.85342397	0.00251121	7.206E-07	0.0181732	0.0072346	0.0270974	0.009506	0.00924555	0.908702
1302	490458.06	3859590.74	0.05847	0.09959	0.08604	0.47298	0.00675	0.2049	0.1003	0.09959	1.07937918	0.004237401	2.064E-07	0.0440798	0.0056002	0.0509989	0.016372	0.01560089	1.185067
1303	490508.06	3859590.74	0.05137	0.08806	0.07984	0.3479	0.00679	0.16333	0.08869	0.08806	0.94831039	0.003746817	1.915E-07	0.0324228	0.0056334	0.0406523	0.014477	0.01379471	1.031448
1304	490558.06	3859590.74	0.04639	0.07849	0.07432	0.27406	0.00683	0.13613	0.07897	0.07849	0.85637763	0.003339628	1.782E-07	0.0255413	0.0056665	0.0338823	0.01289	0.01229555	0.925402
1305	490608.06	3859590.74	0.04277	0.07058	0.06921	0.22411	0.00688	0.11572	0.07092	0.07058	0.78955101	0.00300307	1.66E-07	0.0208861	0.005708	0.0288023	0.011576	0.01105644	0.84847
1306	490658.06	3859590.74	0.04001	0.06395	0.06453	0.1886	0.00694	0.10095	0.06421	0.06395	0.73860033	0.002720974	1.548E-07	0.0175767	0.0057578	0.0251261	0.010481	0.01001785	0.790245
1307	490708.06	3859590.74	0.03782	0.05828	0.06027	0.16237	0.007	0.08952	0.05845	0.05828	0.69817206	0.002479724	1.445E-07	0.0151322	0.0058076	0.0222812	0.009541	0.00912963	0.744284

1308	490758.06	3859590.74	0.03606	0.05323	0.05634	0.14205	0.00707	0.08042	0.05333	0.05323	0.66568177	0.002264854	1.351E-07	0.0132385	0.0058657	0.0200163	0.008705	0.00833854	0.707434
1309	490808.06	3859590.74	0.03455	0.04921	0.05291	0.12719	0.00713	0.0736	0.04924	0.04921	0.63780658	0.00209381	1.269E-07	0.0118536	0.0059154	0.0183188	0.008037	0.00770881	0.676317
1310	490858.06	3859590.74	0.03327	0.04557	0.04969	0.1148	0.00719	0.06778	0.04555	0.04557	0.61417728	0.001938933	1.192E-07	0.0106989	0.0059652	0.0168702	0.007435	0.0071386	0.649947
1311	490458.06	3859640.74	0.07573	0.14363	0.06594	0.98773	0.00646	0.40045	0.14592	0.14363	1.39800557	0.006111235	1.581E-07	0.0920523	0.0053596	0.0996706	0.023818	0.02249981	1.602518
1312	490508.06	3859640.74	0.06808	0.12222	0.06386	0.73424	0.0065	0.27564	0.12405	0.12222	1.25678356	0.005200272	1.532E-07	0.0684281	0.0053928	0.0686059	0.020249	0.01914591	1.405513
1313	490558.06	3859640.74	0.05803	0.10601	0.06075	0.4873	0.00653	0.20673	0.10751	0.10601	1.07125661	0.004510562	1.457E-07	0.0454143	0.0054176	0.0514544	0.017549	0.0166066	1.178996
1314	490608.06	3859640.74	0.05067	0.09206	0.05732	0.35393	0.00658	0.16358	0.09332	0.09206	0.93538812	0.003917011	1.375E-07	0.0329848	0.0054591	0.0407145	0.015232	0.01442131	1.019275
1315	490658.06	3859640.74	0.04561	0.08082	0.0541	0.27403	0.00664	0.13414	0.08174	0.08082	0.84197853	0.003438766	1.298E-07	0.0255385	0.0055089	0.033387	0.013342	0.01266055	0.910534
1316	490708.06	3859640.74	0.04196	0.07226	0.05126	0.22313	0.00669	0.11419	0.073	0.07226	0.77459809	0.003074552	1.229E-07	0.0207948	0.0055504	0.0284215	0.011916	0.01131962	0.833036
1317	490758.06	3859640.74	0.03921	0.06492	0.04854	0.18668	0.00675	0.09924	0.0655	0.06492	0.72383201	0.002762246	1.164E-07	0.0173978	0.0056002	0.0247005	0.010691	0.0101698	0.774815
1318	490808.06	3859640.74	0.03701	0.05936	0.04618	0.16266	0.00679	0.08903	0.05981	0.05936	0.68321915	0.002525676	1.108E-07	0.0151592	0.0056334	0.0221593	0.009763	0.00929882	0.729161
1319	490858.06	3859640.74	0.03521	0.05463	0.04396	0.14437	0.00684	0.08101	0.05497	0.05463	0.64999044	0.002324422	1.054E-07	0.0134547	0.0056748	0.0201631	0.008973	0.00855786	0.692022
1320	490608.06	3859690.74	0.06698	0.13038	0.04668	0.75898	0.00631	0.27671	0.13339	0.13038	1.23647713	0.005547468	1.12E-07	0.0707338	0.0052351	0.0688722	0.021773	0.02042419	1.388215
1321	490658.06	3859690.74	0.05708	0.10936	0.04464	0.49201	0.00636	0.20474	0.11177	0.10936	1.05371923	0.004653099	1.071E-07	0.0458533	0.0052766	0.0509591	0.018244	0.01713138	1.161574
1322	490708.06	3859690.74	0.04972	0.09459	0.0428	0.35541	0.00641	0.16144	0.09639	0.09459	0.91785074	0.004024659	1.026E-07	0.0331227	0.0053181	0.0401819	0.015734	0.01481764	1.001414
1323	490758.06	3859690.74	0.0447	0.08276	0.041	0.27417	0.00646	0.13255	0.08418	0.08276	0.82517957	0.00352131	9.833E-08	0.0255515	0.0053596	0.0329912	0.013741	0.01296445	0.893379
1324	490808.06	3859690.74	0.0411	0.07382	0.03941	0.22339	0.0065	0.1134	0.07495	0.07382	0.75872215	0.003140927	9.452E-08	0.020819	0.0053928	0.0282249	0.012234	0.01156399	0.81697
1325	490858.06	3859690.74	0.0383	0.06755	0.0381	0.19315	0.00653	0.10144	0.06848	0.06755	0.70703305	0.002874148	9.138E-08	0.0180008	0.0054176	0.0252481	0.011178	0.01058179	0.75917
1326	490708.06	3859740.74	0.0657	0.13654	0.03561	0.78399	0.00614	0.27794	0.14108	0.13654	1.21284782	0.005809566	8.54E-08	0.0730646	0.0050941	0.0691783	0.023028	0.02138916	1.367634
1327	490758.06	3859740.74	0.05601	0.11613	0.03469	0.51082	0.00617	0.20865	0.11944	0.11613	1.03396661	0.004941152	8.32E-08	0.0476063	0.005119	0.0519323	0.019496	0.01819191	1.14487
1328	490808.06	3859740.74	0.04878	0.10028	0.03367	0.36967	0.0062	0.16603	0.10285	0.10028	0.90049797	0.004266759	8.075E-08	0.0344517	0.0051439	0.0413243	0.016788	0.01570898	0.986764
1329	490858.06	3859740.74	0.04383	0.08843	0.03275	0.29153	0.00624	0.13936	0.09048	0.08843	0.80911903	0.00376256	7.855E-08	0.0271694	0.005177	0.0346862	0.014769	0.01385267	0.880831
1330	490786.56	3859749.39	0.05399	0.11367	0.03316	0.4749	0.00614	0.19839	0.11699	0.11367	0.99667662	0.004836483	7.953E-08	0.0442587	0.0050941	0.0493786	0.019096	0.01780654	1.101534
1331	490836.56	3859749.39	0.0474	0.09847	0.03224	0.3519	0.00618	0.16021	0.10105	0.09847	0.87502263	0.004189747	7.732E-08	0.0327956	0.0051273	0.0398757	0.016494	0.01542545	0.95808
1332	490786.56	3859799.39	0.06878	0.18059	0.0281	0.85938	0.00589	0.38377	0.18925	0.18059	1.26970583	0.007683826	6.739E-08	0.0800907	0.0048867	0.0955191	0.030891	0.02828964	1.460487
1333	490836.56	3859799.39	0.06289	0.14587	0.02753	0.75295	0.00592	0.27053	0.15256	0.14587	1.16097412	0.006206544	6.603E-08	0.0701718	0.0049116	0.067334	0.024902	0.02285071	1.31165
1334	492307.84	3854508.36	0.01125	0.0044	0.00594	0.00676	0.00917	0.0067	0.00518	0.0044	0.20767942	0.000187213	1.425E-08	0.00063	0.0076079	0.0016676	0.000846	0.00068927	0.217928
1335	486445.7	3854753.6	0.02546	0.00663	0.01316	0.01997	0.00585	0.0154	0.01251	0.00663	0.47000161	0.000282096	3.156E-08	0.0018611	0.0048535	0.003833	0.002042	0.0010386	0.481835
1336	472599.75	3877830.11	0.00023	0.0004	0.00026	0.00036	0.00022	0.00043	0.0004	0.0004	0.00424589	1.70194E-05	6.236E-10	3.355E-05	0.0001825	0.000107	6.53E-05	6.266E-05	0.004589
1337	493107.48	3866840.19	0.00108	0.00087	0.00051	0.00103	0.00113	0.00117	0.00089	0.00087	0.01993722	3.70172E-05	1.223E-09	9.599E-05	0.0009375	0.0002912	0.000145	0.00013629	0.021308
1338	495815.79	3861662.87	0.00343	0.03847	0.00228	0.00577	0.00236	0.00577	0.03856	0.03847	0.06331915	0.001636839	5.468E-09	0.0005377	0.001958	0.0014361	0.006294	0.00602637	0.069156
1339	480272.33	3841389.2	0.00055	0.00072	0.0003	0.00041	0.00049	0.00046	0.00073	0.00072	0.01015322	3.06349E-05	7.195E-10	3.821E-05	0.0004065	0.0001145	0.000119	0.00011279	0.010749
1340	497005.18	3862813.64	0.002	0.01338	0.00135	0.00335	0.00187	0.00299	0.01346	0.01338	0.03692079	0.000569298	3.238E-09	0.0003122	0.0015515	0.0007442	0.002197	0.00209599	0.040199
1341	493677.33	3860302.55	0.00953	0.01477	0.00688	0.01622	0.0043	0.22539	0.01465	0.01477	0.17592755	0.000628441	1.65E-08	0.0015116	0.0035675	0.0560988	0.002391	0.00231374	0.237812
1342	493727.33	3860302.55	0.00943	0.01452	0.00683	0.01598	0.00427	0.22292	0.01439	0.01452	0.17408151	0.000617804	1.638E-08	0.0014893	0.0035426	0.055484	0.002349	0.00227458	0.23529
1343	493777.33	3860302.55	0.00935	0.01425	0.00677	0.01575	0.00425	0.22104	0.01412	0.01425	0.17260467	0.000606316	1.624E-08	0.0014678	0.003526	0.0550161	0.002305	0.00223228	0.233293
1344	493827.33	3860302.55	0.00927	0.01399	0.00671	0.01553	0.00423	0.21901	0.01386	0.01399	0.17112784	0.000595253	1.609E-08	0.0014473	0.0035094	0.0545108	0.002262	0.00219155	0.231262
1345	493877.33	3860302.55	0.00919	0.01379	0.00667	0.01532	0.00421	0.21408	0.01365	0.01379	0.16965101	0.000586743	1.6E-08	0.0014278	0.0034928	0.0532838	0.002228	0.00216022	0.22851
1346	493927.33	3860302.55	0.0091	0.01362	0.00663	0.01512	0.00419	0.20724	0.01348	0.01362	0.16798958	0.00057951	1.59E-08	0.0014091	0.0034763	0.0515813	0.0022	0.00213359	0.225103
1347	493977.33	3860302.55	0.00906	0.01326	0.00655	0.0149	0.0042	0.20874	0.01312	0.01326	0.16725116	0.000564193	1.571E-08	0.0013886	0.0034846	0.0519547	0.002142	0.0020772	0.224708
1348	494027.33	3860302.55	0.009	0.01301	0.00648	0.0147	0.0042	0.20587	0.01286	0.01301	0.16614354	0.000553555	1.554E-08	0.00137	0.0034846	0.0512403	0.002099	0.00203803	0.222853
1349	493677.33	3860352.55	0.00922	0.01523	0.00663	0.01569	0.00423	0.10644	0.01512	0.01523	0.17020482	0.000648013	1.59E-08	0.0014622	0.0035094	0.0264926	0.002468	0.0023858	0.202399
1350	493727.33	3860352.55	0.00913	0.015	0.00659	0.01548	0.0042	0.10504	0.01488	0.015	0.16854339	0.000638227	1.581E-08	0.0014427	0.0034846	0.0261441	0.002429	0.00234977	0.200332
1351	493777.33	3860352.55	0.00904	0.01477	0.00655	0.01527	0.00416	0.10368	0.01465	0.01477	0.16688195	0.000628441	1.571E-08	0.0014231	0.0034514	0.0258056	0.002391	0.00231374	0.198268
1352	493827.33	3860352.55	0.00896	0.01453	0.00651	0.01507	0.00413	0.10267	0.0144	0.01453	0.16540512	0.000618229	1.561E-08	0.0014045	0.0034265	0.0255542	0.00235	0.00227614	0.196483
1353	493877.33	3860352.55	0.00889	0.01426	0.00646	0.01487	0.00411	0.10201	0.01413	0.01426	0.16411289	0.000606741	1.549E-08	0.0013858	0.0034099	0.0253899	0.002306	0.00223385	0.194978
1354	493927.33	3860352.55	0.00884	0.01395	0.0064	0.01467	0.0041	0.1018	0.01382	0.01395	0.16318987	0.000593551	1.535E-08	0.0013672	0.0034016	0.0253377	0.002256	0.00218528	0.19396
1355	493977.33	3860352.55	0.00879	0.01362	0.00634	0.01448	0.00409	0.10172	0.01349	0.01362	0.16226685	0.00057951	1.521E-08	0.0013495	0.0033933	0.0253178	0.002202	0.00213359	0.192975
1356	494027.33	3860352.55	0.00872	0.01342	0.00629	0.0143	0.00408	0.10037	0.01329	0.01342	0.16097463	0.000571	1.509E-08	0.0013327	0.003385	0.0249818	0.002169	0.00210226	0.191312
1357	493677.33	3860402.55	0.00891	0.01581	0.00639	0.01517	0.00417	0.06924	0.01571	0.01581	0.1644821	0.000672691	1.533E-08	0.0014138	0.0034597	0.0172336	0.002564	0.00247666	0.18735
1358	493727.33	3860402.55	0.00882	0.01556	0.00636	0.01498	0.00413	0.06845	0.01546	0.01556	0.16282067	0.000662054	1.525E-08	0.0013961	0.0034265	0.017037	0.002524	0.00243749	0.185428
1359	493777.33	3860402.55	0.00877	0.01516	0.0063	0.01479	0.00411	0.06848	0.01506	0.01516	0.16189765	0.000645035	1.511E-08	0.0013784	0.0034099	0.0170444	0.002458	0.00237483	0.184459
1360	493827.33	3860402.55	0.00868	0.01499	0.00628	0.01461	0.00407	0.06749	0.01487	0.01499	0.16023621	0.000637801	1.506E-08	0.0013616	0.0033767	0.016798	0.002427	0.0023482	0.182489
1361	493877.33	3860402.55	0.0086	0.01476	0.00624	0.01443	0.00404	0.06679	0.01464	0.01476	0.15875938	0.000628015	1.497E-08	0.0013448	0.0033518	0.0166238	0.00239	0.00231217	0.180785
1362	493927.33	3860402.55	0.00856	0.01439	0.00619	0.01425	0.00402	0.06677	0.01427	0.01439	0.15802096	0.000612272	1.485E-08	0.001328	0.0033352	0.0166188	0.002329	0.00225421	0.17999
1363	493977.33	3860402.55	0.00852	0.01403	0.00612	0.01406	0.00401	0.06685	0.0139	0.01403	0.15728255	0.000596955	1.468E-08	0.0013103	0.0033269	0.0166387	0.002269	0.00219782	0.179227
1364	494027.33	3860402.55	0.00845	0.01385	0.00609	0.0139	0.00399	0.06597	0.01373	0.01385	0.15599032	0.000589296	1.461E-08	0.0012954	0.0033103	0.0164197	0.002241	0.00216962	0.177677

1365	493677.33	3860452.55	0.00862	0.01632	0.00611	0.01464	0.00414	0.05195	0.01623	0.01632	0.15912859	0.000694391	1.465E-08	0.0013644	0.0034348	0.0129302	0.002649	0.00255655	0.177645
1366	493727.33	3860452.55	0.00852	0.01616	0.00606	0.01447	0.00408	0.05113	0.01607	0.01616	0.15728255	0.000687583	1.453E-08	0.0013485	0.003385	0.0127261	0.002623	0.00253148	0.175521
1367	493777.33	3860452.55	0.00844	0.01588	0.00604	0.0143	0.00404	0.05064	0.01579	0.01588	0.15580572	0.00067567	1.449E-08	0.0013327	0.0033518	0.0126041	0.002577	0.00248762	0.17386
1368	493827.33	3860452.55	0.00839	0.01553	0.00602	0.01414	0.00401	0.05044	0.01542	0.01553	0.1548827	0.000660778	1.444E-08	0.0013178	0.0033269	0.0125543	0.002517	0.00243279	0.172827
1369	493877.33	3860452.55	0.00833	0.01521	0.00601	0.01398	0.00398	0.05017	0.0151	0.01521	0.15377507	0.000647162	1.441E-08	0.0013029	0.003302	0.0124871	0.002465	0.00238267	0.171596
1370	493927.33	3860452.55	0.00831	0.01479	0.00595	0.01382	0.00396	0.05022	0.01468	0.01479	0.15340587	0.000629292	1.427E-08	0.001288	0.0032854	0.0124996	0.002396	0.00231687	0.171187
1371	493977.33	3860452.55	0.00824	0.01456	0.00592	0.01367	0.00394	0.04976	0.01444	0.01456	0.15211364	0.000619506	1.42E-08	0.001274	0.0032688	0.0123851	0.002357	0.00228084	0.169737
1372	494027.33	3860452.55	0.00818	0.01434	0.00589	0.01352	0.00391	0.04923	0.01422	0.01434	0.15100602	0.000610145	1.413E-08	0.00126	0.003244	0.0122532	0.002321	0.00224638	0.168448
1373	493677.33	3860502.55	0.00833	0.01691	0.00582	0.0141	0.0041	0.04161	0.01684	0.01691	0.15377507	0.000719494	1.396E-08	0.0013141	0.0034016	0.0103566	0.002749	0.00264897	0.169667
1374	493727.33	3860502.55	0.00824	0.0167	0.00578	0.01395	0.00405	0.04109	0.01661	0.0167	0.15211364	0.000710559	1.386E-08	0.0013001	0.0033601	0.0102272	0.002711	0.00261608	0.167807
1375	493777.33	3860502.55	0.00817	0.0164	0.00576	0.01381	0.00401	0.04072	0.01632	0.0164	0.15082141	0.000697795	1.381E-08	0.001287	0.0033269	0.0101351	0.002664	0.00256908	0.166363
1376	493827.33	3860502.55	0.00811	0.01612	0.00574	0.01367	0.00397	0.04038	0.01602	0.01612	0.14971379	0.000685881	1.377E-08	0.001274	0.0032937	0.0100504	0.002615	0.00252522	0.165108
1377	493877.33	3860502.55	0.00806	0.01575	0.00573	0.01353	0.00394	0.0402	0.01566	0.01575	0.14879077	0.000670138	1.374E-08	0.0012609	0.0032688	0.0100056	0.002556	0.00246726	0.164085
1378	493927.33	3860502.55	0.00803	0.01536	0.00573	0.0134	0.00391	0.04008	0.01526	0.01536	0.14823696	0.000653544	1.374E-08	0.0012488	0.003244	0.0099758	0.002491	0.00240616	0.163444
1379	493977.33	3860502.55	0.00796	0.01514	0.0057	0.01326	0.00387	0.03967	0.01504	0.01514	0.14694473	0.000644184	1.367E-08	0.0012358	0.0032108	0.0098737	0.002455	0.0023717	0.161992
1380	494027.33	3860502.55	0.00791	0.01489	0.00568	0.01312	0.00384	0.03932	0.01478	0.01489	0.14602171	0.000633547	1.362E-08	0.0012227	0.0031859	0.0097866	0.002413	0.00233254	0.16093
1381	493627.33	3860552.55	0.00811	0.0179	0.00555	0.01369	0.0041	0.03498	0.01783	0.0179	0.14971379	0.000761617	1.331E-08	0.0012759	0.0034016	0.0087064	0.00291	0.00280406	0.163966
1382	493677.33	3860552.55	0.00802	0.01765	0.00552	0.01356	0.00405	0.03457	0.01758	0.01765	0.14805235	0.00075098	1.324E-08	0.0012637	0.0033601	0.0086044	0.00287	0.00276489	0.162136
1383	493727.33	3860552.55	0.00795	0.01738	0.00549	0.01343	0.00401	0.03421	0.0173	0.01738	0.14676012	0.000739492	1.317E-08	0.0012516	0.0033269	0.0085148	0.002824	0.0027226	0.160694
1384	493777.33	3860552.55	0.00789	0.01704	0.00548	0.01331	0.00397	0.03396	0.01696	0.01704	0.1456525	0.000725026	1.314E-08	0.0012404	0.0032937	0.0084525	0.002768	0.00266934	0.159463
1385	493827.33	3860552.55	0.00785	0.01665	0.00548	0.01319	0.00394	0.03378	0.01657	0.01665	0.14491409	0.000708432	1.314E-08	0.0012293	0.0032688	0.0084077	0.002705	0.00260824	0.158625
1386	493877.33	3860552.55	0.00778	0.01639	0.00546	0.01307	0.00389	0.03347	0.01631	0.01639	0.14362186	0.000697369	1.309E-08	0.0012181	0.0032274	0.0083306	0.002662	0.00256751	0.15719
1387	493927.33	3860552.55	0.00774	0.01604	0.00545	0.01295	0.00386	0.03328	0.01596	0.01604	0.14288344	0.000682477	1.307E-08	0.0012069	0.0032025	0.0082833	0.002605	0.00251269	0.156351
1388	493977.33	3860552.55	0.00771	0.01568	0.00545	0.01284	0.00383	0.03311	0.01559	0.01568	0.14232963	0.00066716	1.307E-08	0.0011966	0.0031776	0.008241	0.002545	0.00245629	0.1557
1389	494027.33	3860552.55	0.00765	0.01546	0.00543	0.01272	0.0038	0.0328	0.01536	0.01546	0.14122201	0.000657799	1.302E-08	0.0011855	0.0031527	0.0081638	0.002507	0.00242183	0.154467
1390	493627.33	3860602.55	0.00782	0.01862	0.00529	0.01315	0.00406	0.02975	0.01857	0.01862	0.14436027	0.000792252	1.269E-08	0.0012255	0.0033684	0.0074047	0.003031	0.00291685	0.157265
1391	493727.33	3860602.55	0.00766	0.01814	0.00522	0.0129	0.00396	0.02912	0.01807	0.01814	0.14140661	0.000771829	1.252E-08	0.0012022	0.0032854	0.0072479	0.00295	0.00284165	0.154022
1392	493777.33	3860602.55	0.00762	0.01769	0.00523	0.01281	0.00393	0.02903	0.01762	0.01769	0.14066819	0.000752682	1.254E-08	0.0011938	0.0032605	0.0072255	0.002876	0.00277116	0.153206
1393	493827.33	3860602.55	0.00757	0.01736	0.00521	0.01271	0.0039	0.02883	0.01729	0.01736	0.13974518	0.000738641	1.25E-08	0.0011845	0.0032357	0.0071757	0.002822	0.00271947	0.152182
1394	493877.33	3860602.55	0.00754	0.01696	0.00522	0.01262	0.00387	0.02871	0.01689	0.01696	0.13919136	0.000721622	1.252E-08	0.0011761	0.0032108	0.0071458	0.002757	0.0026568	0.151546
1395	493927.33	3860602.55	0.00749	0.01663	0.00521	0.01252	0.00383	0.02854	0.01655	0.01663	0.13826834	0.000707581	1.25E-08	0.0011668	0.0031776	0.0071035	0.002701	0.00260511	0.15052
1396	493977.33	3860602.55	0.00745	0.0163	0.0052	0.01242	0.0038	0.02839	0.01621	0.0163	0.13752993	0.00069354	1.247E-08	0.0011575	0.0031527	0.0070662	0.002646	0.00255341	0.149692
1397	494027.33	3860602.55	0.00739	0.01609	0.00518	0.01231	0.00376	0.02815	0.016	0.01609	0.1364223	0.000684605	1.242E-08	0.0011472	0.0031195	0.0070064	0.002612	0.00252052	0.148471
1398	493627.33	3860652.55	0.00753	0.01946	0.00503	0.01262	0.004	0.02565	0.01942	0.01946	0.13900676	0.000827993	1.206E-08	0.0011761	0.0033186	0.0063842	0.00317	0.00304843	0.150835
1399	493727.33	3860652.55	0.00739	0.0189	0.00497	0.0124	0.00392	0.02523	0.01884	0.0189	0.1364223	0.000804166	1.192E-08	0.0011556	0.0032522	0.0062797	0.003075	0.00296071	0.148029
1400	493777.33	3860652.55	0.00735	0.01847	0.00497	0.01232	0.00389	0.02516	0.01841	0.01847	0.13568389	0.00078587	1.192E-08	0.0011482	0.0032274	0.0062622	0.003005	0.00289335	0.147219
1401	493827.33	3860652.55	0.00731	0.01806	0.00497	0.01224	0.00386	0.02508	0.018	0.01806	0.13494547	0.000768425	1.192E-08	0.0011407	0.0032025	0.0062423	0.002938	0.00282912	0.146408
1402	493877.33	3860652.55	0.00728	0.01763	0.00498	0.01217	0.00384	0.02502	0.01757	0.01763	0.13439166	0.000750129	1.194E-08	0.0011342	0.0031859	0.0062274	0.002868	0.00276176	0.145795
1403	493927.33	3860652.55	0.00724	0.0173	0.00497	0.01208	0.0038	0.0249	0.01723	0.0173	0.13365325	0.000736088	1.192E-08	0.0011258	0.0031527	0.0061975	0.002812	0.00271007	0.144968
1404	493977.33	3860652.55	0.0072	0.017	0.00496	0.01199	0.00376	0.02478	0.01693	0.017	0.13291483	0.000723324	1.19E-08	0.0011174	0.0031195	0.0061677	0.002763	0.00266307	0.144143
1405	494027.33	3860652.55	0.00717	0.01664	0.00496	0.01191	0.00373	0.0247	0.01656	0.01664	0.13236102	0.000708006	1.19E-08	0.00111	0.0030946	0.0061477	0.002703	0.00260668	0.143518
1406	494311.06	3858401.99	0.01171	0.00464	0.00661	0.01236	0.01057	0.01198	0.00459	0.00464	0.2161712	0.000197425	1.585E-08	0.0011519	0.0087695	0.0029818	0.000749	0.00072686	0.229294
1407	494361.06	3858401.99	0.01152	0.0046	0.00653	0.01218	0.01041	0.01196	0.00455	0.0046	0.21266373	0.000195723	1.566E-08	0.0011351	0.0086367	0.0029768	0.000743	0.0007206	0.22563
1408	494411.06	3858401.99	0.01138	0.00456	0.00647	0.01203	0.0103	0.01198	0.00452	0.00456	0.21007927	0.000194021	1.552E-08	0.0011211	0.0085455	0.0029818	0.000738	0.00071433	0.222945
1409	494461.06	3858401.99	0.01131	0.00454	0.00642	0.01193	0.01023	0.01204	0.0045	0.00454	0.20878705	0.00019317	1.54E-08	0.0011118	0.0084874	0.0029967	0.000735	0.0007112	0.221599
1410	494511.06	3858401.99	0.01116	0.00451	0.00635	0.01178	0.01011	0.01207	0.00446	0.00451	0.20601799	0.000191894	1.523E-08	0.0010978	0.0083878	0.0030042	0.000728	0.0007065	0.218721
1411	494561.06	3858401.99	0.01108	0.00449	0.0063	0.01168	0.01004	0.01215	0.00444	0.00449	0.20454115	0.000191043	1.511E-08	0.0010885	0.0083297	0.0030241	0.000725	0.00070336	0.217196
1412	494611.06	3858401.99	0.0109	0.00445	0.00624	0.01154	0.00992	0.0122	0.00441	0.00445	0.20121828	0.000189341	1.497E-08	0.0010755	0.0082302	0.0030365	0.00072	0.0006971	0.213773
1413	494661.06	3858401.99	0.01078	0.00442	0.00616	0.0114	0.00969	0.01224	0.00438	0.00442	0.19900304	0.000188064	1.477E-08	0.0010624	0.0080394	0.0030465	0.000715	0.0006924	0.211362
1414	494711.06	3858401.99	0.01061	0.00438	0.00609	0.01124	0.00954	0.01224	0.00434	0.00438	0.19586477	0.000186362	1.461E-08	0.0010475	0.0079149	0.0030465	0.000708	0.00068613	0.208082
1415	494761.06	3858401.99	0.01051	0.00436	0.00604	0.01113	0.00946	0.01228	0.00432	0.00436	0.19401873	0.000185511	1.449E-08	0.0010373	0.0078485	0.0030565	0.000705	0.000683	0.206169
1416	494811.06	3858401.99	0.01037	0.00433	0.00597	0.01099	0.00935	0.01233	0.00428	0.00433	0.19143428	0.000184235	1.432E-08	0.0010242	0.0077573	0.0030689	0.000699	0.0006783	0.203489
1417	494861.06	3858401.99	0.01025	0.0043	0.00592	0.01086	0.00925	0.0124	0.00426	0.0043	0.18921903	0.000182958	1.42E-08	0.0010121	0.0076743	0.0030863	0.000695	0.0006736	0.201196
1418	494911.06	3858401.99	0.01013	0.00427	0.00586	0.01074	0.00915	0.01246	0.00423	0.00427	0.18700378	0.000181682	1.405E-08	0.0010009	0.0075913	0.0031013	0.00069	0.0006689	0.198901
1419	494961.06	3858401.99	0.01001	0.00424	0.0058	0.01061	0.00904	0.01252	0.0042	0.00424	0.18478853	0.000180405	1.391E-08	0.0009888	0.0075001	0.0031162	0.000686	0.0006642	0.196595
1420	495011.06	3858401.99	0.00986	0.00421	0.00573	0.01047	0.00892	0.01256	0.00416	0.00421	0.18201948	0.000179129	1.374E-08	0.0009758	0.0074005	0.0031261	0.000679	0.0006595	0.193721
1421	495061.06	3858401.99	0.00974	0.00418	0.00568	0.01034	0.00882	0.01264	0.00413	0.00418	0.17980423	0.000177853	1.362E-08	0.0009636	0.0073176	0.0031461	0.000674	0.0006548	0.191429

1422	495111.06	3858401.99	0.00953	0.00413	0.00559	0.01016	0.00865	0.01269	0.00408	0.00413	0.17592755	0.000175725	1.341E-08	0.0009469	0.0071765	0.0031585	0.000666	0.00064697	0.187404
1423	495161.06	3858401.99	0.00947	0.00411	0.00556	0.01008	0.0086	0.01286	0.00407	0.00411	0.17481992	0.000174874	1.333E-08	0.0009394	0.007135	0.0032008	0.000664	0.00064384	0.186291
1424	495211.06	3858401.99	0.00929	0.00407	0.00547	0.00992	0.00843	0.01294	0.00402	0.00407	0.17149705	0.000173172	1.312E-08	0.0009245	0.006994	0.0032207	0.000656	0.00063757	0.182828
1425	495261.06	3858401.99	0.00918	0.00404	0.00541	0.00981	0.00834	0.01309	0.004	0.00404	0.16946641	0.000171896	1.298E-08	0.0009143	0.0069193	0.0032581	0.000653	0.00063287	0.18075
1426	495311.06	3858401.99	0.00907	0.00402	0.00536	0.0097	0.00825	0.01327	0.00397	0.00402	0.16743576	0.000171045	1.286E-08	0.000904	0.0068447	0.0033029	0.000648	0.00062974	0.178677
1427	495361.06	3858401.99	0.00899	0.004	0.00532	0.00961	0.00819	0.0135	0.00395	0.004	0.16595893	0.000170194	1.276E-08	0.0008956	0.0067949	0.0033601	0.000645	0.0006266	0.177198
1428	495411.06	3858401.99	0.00894	0.00398	0.00528	0.00954	0.00814	0.0138	0.00394	0.00398	0.16503591	0.000169343	1.266E-08	0.0008891	0.0067534	0.0034348	0.000643	0.00062347	0.176302
1429	495461.06	3858401.99	0.0089	0.00397	0.00525	0.00949	0.00811	0.01415	0.00393	0.00397	0.1642975	0.000168917	1.259E-08	0.0008844	0.0067285	0.0035219	0.000641	0.00062191	0.175621
1430	495511.06	3858401.99	0.00885	0.00396	0.00522	0.00942	0.00806	0.01456	0.00391	0.00396	0.16337448	0.000168492	1.252E-08	0.0008779	0.006687	0.0036239	0.000638	0.00062034	0.17475
1431	495561.06	3858401.99	0.00877	0.00393	0.00516	0.00932	0.00797	0.01499	0.00389	0.00393	0.16189765	0.000167215	1.238E-08	0.0008686	0.0066124	0.003731	0.000635	0.00061564	0.173296
1432	495611.06	3858401.99	0.00873	0.00392	0.00513	0.00926	0.00793	0.01553	0.00387	0.00392	0.16115923	0.00016679	1.23E-08	0.000863	0.0065792	0.0038654	0.000632	0.00061407	0.172651
1433	495661.06	3858401.99	0.00873	0.00393	0.00513	0.00924	0.00796	0.01623	0.00388	0.00393	0.16115923	0.000167215	1.23E-08	0.0008611	0.0066041	0.0040396	0.000633	0.00061564	0.172849
1434	494311.06	3858451.99	0.01197	0.00475	0.00674	0.01249	0.01058	0.0124	0.00471	0.00475	0.2209709	0.000202105	1.616E-08	0.001164	0.0087778	0.0030863	0.000769	0.00074409	0.234226
1435	494361.06	3858451.99	0.01181	0.00471	0.00665	0.01232	0.01045	0.01241	0.00467	0.00471	0.21801724	0.000200403	1.595E-08	0.0011482	0.0086699	0.0030888	0.000762	0.00073783	0.231149
1436	494411.06	3858451.99	0.01167	0.00468	0.00658	0.01217	0.01034	0.01244	0.00463	0.00468	0.21543279	0.000199127	1.578E-08	0.0011342	0.0085786	0.0030963	0.000756	0.00073313	0.228464
1437	494461.06	3858451.99	0.01155	0.00464	0.00652	0.01204	0.01024	0.01248	0.0046	0.00464	0.21321754	0.000197425	1.564E-08	0.0011221	0.0084957	0.0031062	0.000751	0.00072686	0.226163
1438	494511.06	3858451.99	0.01146	0.00462	0.00647	0.01193	0.01017	0.01256	0.00458	0.00462	0.2115561	0.000196574	1.552E-08	0.0011118	0.0084376	0.0031261	0.000748	0.00072373	0.224452
1439	494561.06	3858451.99	0.01131	0.00458	0.0064	0.01178	0.01005	0.0126	0.00454	0.00458	0.20878705	0.000194872	1.535E-08	0.0010978	0.008338	0.0031361	0.000741	0.00071746	0.221578
1440	494611.06	3858451.99	0.01119	0.00455	0.00634	0.01165	0.00995	0.01267	0.00451	0.00455	0.2065718	0.000193595	1.521E-08	0.0010857	0.0082551	0.0031535	0.000736	0.00071276	0.219283
1441	494661.06	3858451.99	0.01106	0.00452	0.00627	0.01152	0.00985	0.01273	0.00448	0.00452	0.20417195	0.000192319	1.504E-08	0.0010736	0.0081721	0.0031685	0.000731	0.00070806	0.216802
1442	494711.06	3858451.99	0.01091	0.00448	0.0062	0.01137	0.00972	0.01275	0.00445	0.00448	0.20140289	0.000190617	1.487E-08	0.0010596	0.0080643	0.0031734	0.000726	0.0007018	0.213915
1443	494761.06	3858451.99	0.01076	0.00445	0.00613	0.01122	0.0096	0.01277	0.00441	0.00445	0.19863383	0.000189341	1.47E-08	0.0010457	0.0079647	0.0031784	0.00072	0.0006971	0.211035
1444	494811.06	3858451.99	0.01059	0.00442	0.00607	0.01109	0.00949	0.01283	0.00438	0.00442	0.19549556	0.000188064	1.456E-08	0.0010335	0.0078734	0.0031933	0.000715	0.0006924	0.207806
1445	494861.06	3858451.99	0.01045	0.00438	0.00599	0.01095	0.00924	0.01289	0.00434	0.00438	0.19291111	0.000186362	1.437E-08	0.0010205	0.007666	0.0032083	0.000708	0.00068613	0.205015
1446	494911.06	3858451.99	0.01031	0.00434	0.00592	0.01078	0.0091	0.01292	0.0043	0.00434	0.19032665	0.00018466	1.42E-08	0.0010047	0.0075499	0.0032157	0.000702	0.00067987	0.202304
1447	494961.06	3858451.99	0.01014	0.00431	0.00586	0.01065	0.00899	0.01298	0.00427	0.00431	0.18718839	0.000183384	1.405E-08	0.0009925	0.0074586	0.0032307	0.000697	0.00067517	0.199075
1448	495011.06	3858451.99	0.00998	0.00427	0.00579	0.0105	0.00886	0.01302	0.00423	0.00427	0.18423472	0.000181682	1.389E-08	0.0009786	0.0073507	0.0032406	0.00069	0.0006689	0.196008
1449	495061.06	3858451.99	0.0099	0.00425	0.00574	0.0104	0.00879	0.01314	0.00421	0.00425	0.18275789	0.000180831	1.377E-08	0.0009692	0.0072927	0.0032705	0.000687	0.00066577	0.194493
1450	495111.06	3858451.99	0.00974	0.00421	0.00567	0.01026	0.00867	0.01325	0.00417	0.00421	0.17980423	0.000179129	1.36E-08	0.0009562	0.0071931	0.0032979	0.000681	0.0006595	0.191452
1451	495161.06	3858451.99	0.00957	0.00417	0.0056	0.0101	0.00853	0.01334	0.00413	0.00417	0.17666596	0.000177427	1.343E-08	0.0009413	0.007077	0.0033203	0.000674	0.00065324	0.188203
1452	495211.06	3858451.99	0.00941	0.00414	0.00554	0.00996	0.00841	0.01346	0.00409	0.00414	0.1737123	0.000176151	1.329E-08	0.0009282	0.0069774	0.0033501	0.000668	0.00064854	0.185163
1453	495261.06	3858451.99	0.00931	0.00411	0.00549	0.00985	0.00832	0.01364	0.00406	0.00411	0.17186626	0.000174874	1.317E-08	0.000918	0.0069027	0.0033949	0.000663	0.00064384	0.183276
1454	495311.06	3858451.99	0.00922	0.00408	0.00543	0.00975	0.00825	0.01386	0.00404	0.00408	0.17020482	0.000173598	1.302E-08	0.0009087	0.0068447	0.0034497	0.000659	0.00063914	0.181602
1455	495361.06	3858451.99	0.00914	0.00406	0.00539	0.00966	0.00818	0.01413	0.00402	0.00406	0.16872799	0.000172747	1.293E-08	0.0009003	0.0067866	0.0035169	0.000656	0.000636	0.180125
1456	495411.06	3858451.99	0.00909	0.00405	0.00535	0.0096	0.00814	0.01448	0.00401	0.00405	0.16780497	0.000172321	1.283E-08	0.0008947	0.0067534	0.003604	0.000655	0.00063444	0.17925
1457	495461.06	3858451.99	0.00906	0.00404	0.00532	0.00954	0.00811	0.0149	0.004	0.00404	0.16725116	0.000171896	1.276E-08	0.0008891	0.0067285	0.0037086	0.000653	0.00063287	0.178769
1458	495511.06	3858451.99	0.00897	0.00402	0.00528	0.00945	0.00802	0.01534	0.00398	0.00402	0.16558973	0.000171045	1.266E-08	0.0008807	0.0066538	0.0038181	0.00065	0.00062974	0.177133
1459	495561.06	3858451.99	0.00896	0.00401	0.00526	0.00941	0.00803	0.01595	0.00397	0.00401	0.16540512	0.000170619	1.262E-08	0.000877	0.0066621	0.0039699	0.000648	0.00062817	0.177105
1460	495611.06	3858451.99	0.00886	0.00399	0.00521	0.00931	0.00793	0.01651	0.00395	0.00399	0.16355908	0.000169768	1.25E-08	0.0008677	0.0065792	0.0041093	0.000645	0.00062504	0.175305
1461	495661.06	3858451.99	0.00883	0.00398	0.00519	0.00926	0.0079	0.01725	0.00394	0.00398	0.16300527	0.000169343	1.245E-08	0.000863	0.0065543	0.0042935	0.000643	0.00062347	0.174905
1462	494311.06	3858501.99	0.01207	0.00484	0.00683	0.01251	0.01045	0.01275	0.00479	0.00484	0.22281694	0.000205935	1.638E-08	0.0011659	0.0086699	0.0031734	0.000782	0.00075819	0.236056
1463	494361.06	3858501.99	0.01195	0.00481	0.00676	0.01237	0.01036	0.0128	0.00476	0.00481	0.2206017	0.000204658	1.621E-08	0.0011528	0.0085952	0.0031859	0.000777	0.00075349	0.233764
1464	494411.06	3858501.99	0.01182	0.00477	0.00668	0.01223	0.01027	0.01285	0.00472	0.00477	0.21820185	0.000202956	1.602E-08	0.0011398	0.0085206	0.0031983	0.00077	0.00074723	0.231287
1465	494461.06	3858501.99	0.01172	0.00474	0.00662	0.01212	0.0102	0.01293	0.0047	0.00474	0.21635581	0.00020168	1.588E-08	0.0011295	0.0084625	0.0032182	0.000767	0.00074253	0.229392
1466	494511.06	3858501.99	0.01156	0.0047	0.00655	0.01196	0.01007	0.01296	0.00465	0.0047	0.21340214	0.000199978	1.571E-08	0.0011146	0.0083546	0.0032257	0.000759	0.00073626	0.22632
1467	494561.06	3858501.99	0.01154	0.00469	0.00651	0.01191	0.01007	0.01311	0.00465	0.00469	0.21303294	0.000199552	1.561E-08	0.00111	0.0083546	0.003263	0.000759	0.00073469	0.225984
1468	494611.06	3858501.99	0.0114	0.00465	0.00643	0.01177	0.00995	0.01318	0.00461	0.00465	0.21044848	0.00019785	1.542E-08	0.0010969	0.0082551	0.0032805	0.000752	0.00072843	0.223303
1469	494661.06	3858501.99	0.0113	0.00462	0.00638	0.01166	0.00987	0.01328	0.00458	0.00462	0.20860244	0.000196574	1.53E-08	0.0010867	0.0081887	0.0033053	0.000748	0.00072373	0.221404
1470	494711.06	3858501.99	0.01114	0.00458	0.0063	0.0115	0.00975	0.01332	0.00454	0.00458	0.20564878	0.000194872	1.511E-08	0.0010718	0.0080891	0.0033153	0.000741	0.00071746	0.218343
1471	494761.06	3858501.99	0.01097	0.00454	0.00622	0.01132	0.0096	0.01332	0.0045	0.00454	0.20251051	0.00019317	1.492E-08	0.001055	0.0079647	0.0033153	0.000735	0.0007112	0.215062
1472	494811.06	3858501.99	0.0108	0.0045	0.00615	0.01117	0.00947	0.01336	0.00446	0.0045	0.19937224	0.000191468	1.475E-08	0.001041	0.0078568	0.0033253	0.000728	0.00070493	0.21181
1473	494861.06	3858501.99	0.01069	0.00447	0.00609	0.01105	0.00938	0.01344	0.00443	0.00447	0.1973416	0.000190192	1.461E-08	0.0010298	0.0077822	0.0033452	0.000723	0.00070023	0.209712
1474	494911.06	3858501.99	0.01044	0.00442	0.00601	0.01086	0.00921	0.01344	0.00438	0.00442	0.1927265	0.000188064	1.441E-08	0.0010121	0.0076411	0.0033452	0.000715	0.0006924	0.204936
1475	494961.06	3858501.99	0.01032	0.00439	0.00594	0.01074	0.00898	0.01352	0.00435	0.00439	0.19051126	0.000186788	1.425E-08	0.0010009	0.0074503	0.0033651	0.00071	0.0006877	0.202537
1476	495011.06	3858501.99	0.01014	0.00435	0.00586	0.01057	0.00883	0.01356	0.00431	0.00435	0.18718839	0.000185086	1.405E-08	0.0009851	0.0073259	0.003375	0.000704	0.00068143	0.199082
1477	495061.06	3858501.99	0.01005	0.00432	0.00582	0.01048	0.00876	0.0137	0.00428	0.00432	0.18552695	0.000183809	1.396E-08	0.0009767	0.0072678	0.0034099	0.000699	0.00067673	0.197387
1478	495111.06	3858501.99	0.00983	0.00427	0.00572	0.01028	0.00859	0.01377	0.00423	0.00427	0.18146566	0.000181682	1.372E-08	0.0009581	0.0071267	0.0034273	0.00069	0.0006689	0.193181

1479	495161.06	3858501.99	0.00969	0.00424	0.00566	0.01014	0.00848	0.0139	0.00419	0.00424	0.17888121	0.000180405	1.357E-08	0.000945	0.0070355	0.0034597	0.000684	0.0006642	0.190522
1480	495211.06	3858501.99	0.00954	0.0042	0.0056	0.01001	0.00837	0.01405	0.00416	0.0042	0.17611215	0.000178704	1.343E-08	0.0009329	0.0069442	0.003497	0.000679	0.00065794	0.187686
1481	495261.06	3858501.99	0.00944	0.00418	0.00555	0.0099	0.00828	0.01426	0.00413	0.00418	0.17426611	0.000177853	1.331E-08	0.0009226	0.0068695	0.0035493	0.000674	0.0006548	0.185805
1482	495311.06	3858501.99	0.00937	0.00416	0.00551	0.00982	0.00823	0.01453	0.00411	0.00416	0.17297388	0.000177002	1.321E-08	0.0009152	0.0068281	0.0036165	0.000671	0.00065167	0.18453
1483	495361.06	3858501.99	0.0093	0.00414	0.00547	0.00974	0.00818	0.01487	0.00409	0.00414	0.17168166	0.000176151	1.312E-08	0.0009077	0.0067866	0.0037011	0.000668	0.00064854	0.183272
1484	495411.06	3858501.99	0.00925	0.00412	0.00544	0.00967	0.00813	0.01528	0.00408	0.00412	0.17075864	0.0001753	1.305E-08	0.0009012	0.0067451	0.0038031	0.000666	0.0006454	0.182404
1485	495461.06	3858501.99	0.0092	0.00411	0.00541	0.0096	0.0081	0.01577	0.00407	0.00411	0.16983562	0.000174874	1.298E-08	0.0008947	0.0067202	0.0039251	0.000664	0.00064384	0.181571
1486	495511.06	3858501.99	0.00914	0.00409	0.00537	0.00953	0.00804	0.01632	0.00405	0.00409	0.16872799	0.000174023	1.288E-08	0.0008882	0.0066704	0.004062	0.000661	0.0006407	0.180543
1487	495561.06	3858501.99	0.00913	0.00409	0.00535	0.00949	0.00803	0.01701	0.00405	0.00409	0.16854339	0.000174023	1.283E-08	0.0008844	0.0066621	0.0042337	0.000661	0.0006407	0.180518
1488	495611.06	3858501.99	0.00905	0.00406	0.00528	0.0094	0.00792	0.01769	0.00402	0.00406	0.16706656	0.000172747	1.266E-08	0.000876	0.0065709	0.004403	0.000656	0.000636	0.179109
1489	495661.06	3858501.99	0.00901	0.00405	0.00528	0.00935	0.00793	0.01854	0.00402	0.00405	0.16632814	0.000172321	1.266E-08	0.0008714	0.0065792	0.0046145	0.000656	0.00063444	0.178587
1490	494311.06	3858551.99	0.01204	0.00487	0.00682	0.0124	0.01011	0.01302	0.00482	0.00487	0.22226313	0.000207211	1.636E-08	0.0011556	0.0083878	0.0032406	0.000787	0.00076289	0.235278
1491	494361.06	3858551.99	0.01204	0.00487	0.00679	0.01237	0.01014	0.01316	0.00482	0.00487	0.22226313	0.000207211	1.628E-08	0.0011528	0.0084127	0.0032755	0.000787	0.00076289	0.235335
1492	494411.06	3858551.99	0.01201	0.00488	0.00681	0.01235	0.01023	0.01335	0.00483	0.00488	0.22170932	0.000207636	1.633E-08	0.001151	0.0084874	0.0033228	0.000788	0.00076446	0.234902
1493	494461.06	3858551.99	0.01195	0.00486	0.00676	0.01226	0.0102	0.01346	0.00481	0.00486	0.2206017	0.000206786	1.621E-08	0.0011426	0.0084625	0.0033501	0.000785	0.00076132	0.233788
1494	494511.06	3858551.99	0.01184	0.00483	0.0067	0.01215	0.01012	0.01355	0.00478	0.00483	0.21857105	0.000205509	1.607E-08	0.0011323	0.0083961	0.0033725	0.00078	0.00075663	0.231701
1495	494561.06	3858551.99	0.01175	0.0048	0.00665	0.01204	0.01006	0.01366	0.00476	0.0048	0.21690962	0.000204233	1.595E-08	0.0011221	0.0083463	0.0033999	0.000777	0.00075193	0.230007
1496	494611.06	3858551.99	0.01163	0.00477	0.00658	0.01192	0.00997	0.01377	0.00473	0.00477	0.21469437	0.000202956	1.578E-08	0.0011109	0.0082717	0.0034273	0.000772	0.00074723	0.227732
1497	494661.06	3858551.99	0.01152	0.00474	0.00652	0.0118	0.00989	0.01389	0.0047	0.00474	0.21266373	0.00020168	1.564E-08	0.0010997	0.0082053	0.0034572	0.000767	0.00074253	0.225652
1498	494711.06	3858551.99	0.01135	0.00469	0.00642	0.01163	0.00976	0.01394	0.00465	0.00469	0.20952546	0.000199552	1.54E-08	0.0010839	0.0080974	0.0034696	0.000759	0.00073469	0.2224
1499	494761.06	3858551.99	0.01118	0.00464	0.00635	0.01147	0.00962	0.01396	0.0046	0.00464	0.20638719	0.000197425	1.523E-08	0.001069	0.0079813	0.0034746	0.000751	0.00072686	0.219133
1500	494811.06	3858551.99	0.01104	0.0046	0.00627	0.01133	0.00951	0.01403	0.00457	0.0046	0.20380274	0.000195723	1.504E-08	0.0010559	0.00789	0.003492	0.000746	0.0007206	0.216462
1501	494861.06	3858551.99	0.01087	0.00456	0.00619	0.01116	0.00938	0.01407	0.00452	0.00456	0.20066447	0.000194021	1.485E-08	0.0010401	0.0077822	0.003502	0.000738	0.00071433	0.213206
1502	494911.06	3858551.99	0.01069	0.00451	0.00611	0.01098	0.00923	0.01409	0.00448	0.00451	0.1973416	0.000191894	1.465E-08	0.0010233	0.0076577	0.003507	0.000731	0.0007065	0.209746
1503	494961.06	3858551.99	0.01053	0.00447	0.00604	0.01083	0.0091	0.01414	0.00444	0.00447	0.19438794	0.000190192	1.449E-08	0.0010093	0.0075499	0.0035194	0.000725	0.00070023	0.206681
1504	495011.06	3858551.99	0.01034	0.00442	0.00596	0.01066	0.00895	0.01419	0.00439	0.00442	0.19088046	0.000188064	1.429E-08	0.0009935	0.0074254	0.0035318	0.000717	0.0006924	0.203043
1505	495061.06	3858551.99	0.01018	0.00439	0.00589	0.01054	0.00886	0.01433	0.00436	0.00439	0.1879268	0.000186788	1.413E-08	0.0009823	0.0073507	0.0035667	0.000712	0.0006877	0.200037
1506	495111.06	3858551.99	0.00996	0.00434	0.0058	0.01034	0.00855	0.01441	0.0043	0.00434	0.18386551	0.00018466	1.391E-08	0.0009636	0.0070936	0.0035866	0.000702	0.00067987	0.195716
1507	495161.06	3858551.99	0.00981	0.0043	0.00574	0.0102	0.00844	0.01456	0.00426	0.0043	0.18109646	0.000182958	1.377E-08	0.0009506	0.0070023	0.0036239	0.000695	0.0006736	0.192878
1508	495211.06	3858551.99	0.00968	0.00427	0.00567	0.01007	0.00834	0.01474	0.00423	0.00427	0.1786966	0.000181682	1.36E-08	0.0009385	0.0069193	0.0036687	0.00069	0.0006689	0.190426
1509	495261.06	3858551.99	0.00958	0.00424	0.00562	0.00997	0.00826	0.01499	0.0042	0.00424	0.17685057	0.000180405	1.348E-08	0.0009292	0.006853	0.003731	0.000686	0.0006642	0.188565
1510	495311.06	3858551.99	0.00952	0.00423	0.00558	0.00989	0.00822	0.01533	0.00419	0.00423	0.17574294	0.00017998	1.338E-08	0.0009217	0.0068198	0.0038156	0.000684	0.00066263	0.187501
1511	495361.06	3858551.99	0.00946	0.00421	0.00554	0.00981	0.00817	0.01573	0.00417	0.00421	0.17463532	0.000179129	1.329E-08	0.0009143	0.0067783	0.0039151	0.000681	0.0006595	0.186443
1512	495411.06	3858551.99	0.00942	0.0042	0.00551	0.00975	0.00813	0.01624	0.00416	0.0042	0.1738969	0.000178704	1.321E-08	0.0009087	0.0067451	0.0040421	0.000679	0.00065794	0.185793
1513	495461.06	3858551.99	0.00936	0.00418	0.00548	0.00968	0.00809	0.01681	0.00414	0.00418	0.17278928	0.000177853	1.314E-08	0.0009021	0.0067119	0.004184	0.000676	0.0006548	0.184786
1514	495511.06	3858551.99	0.00932	0.00417	0.00545	0.00963	0.00806	0.01748	0.00413	0.00417	0.17205086	0.000177427	1.307E-08	0.0008975	0.006687	0.0043507	0.000674	0.00065324	0.184184
1515	495561.06	3858551.99	0.00926	0.00415	0.00541	0.00956	0.00802	0.01822	0.00412	0.00415	0.17094324	0.000176576	1.298E-08	0.000891	0.0066538	0.0045349	0.000673	0.0006501	0.183222
1516	495611.06	3858551.99	0.0092	0.00414	0.00537	0.00948	0.00797	0.01904	0.0041	0.00414	0.16983562	0.000176151	1.288E-08	0.0008835	0.0066124	0.004739	0.000669	0.00064854	0.182267
1517	495661.06	3858551.99	0.00913	0.00412	0.00533	0.0094	0.00791	0.01998	0.00408	0.00412	0.16854339	0.0001753	1.278E-08	0.000876	0.0065626	0.004973	0.000666	0.0006454	0.181151
1518	494311.06	3858601.99	0.01164	0.00486	0.00676	0.01209	0.00957	0.01313	0.0048	0.00486	0.21487898	0.000206786	1.621E-08	0.0011267	0.0079398	0.003268	0.000783	0.00076132	0.227443
1519	494361.06	3858601.99	0.01205	0.00493	0.00683	0.01234	0.0099	0.01355	0.00488	0.00493	0.22244774	0.000209764	1.638E-08	0.00115	0.0082136	0.0033725	0.000797	0.00077229	0.235418
1520	494411.06	3858601.99	0.01225	0.005	0.00695	0.01252	0.01022	0.01395	0.00495	0.005	0.22613981	0.000212742	1.667E-08	0.0011668	0.0084791	0.0034721	0.000808	0.00078326	0.239495
1521	494461.06	3858601.99	0.01217	0.00497	0.0069	0.01243	0.01019	0.01408	0.00493	0.00497	0.22466298	0.000211466	1.655E-08	0.0011584	0.0084542	0.0035045	0.000805	0.00077856	0.238018
1522	494511.06	3858601.99	0.01205	0.00492	0.00681	0.01225	0.01008	0.01415	0.00489	0.00492	0.22244774	0.000209338	1.633E-08	0.0011416	0.0083629	0.0035219	0.000798	0.00077072	0.235711
1523	494561.06	3858601.99	0.01198	0.00492	0.00679	0.01221	0.01009	0.01434	0.00488	0.00492	0.22115551	0.000209338	1.628E-08	0.0011379	0.0083712	0.0035692	0.000797	0.00077072	0.234469
1524	494611.06	3858601.99	0.01183	0.00488	0.00671	0.01206	0.00997	0.01443	0.00484	0.00488	0.21838645	0.000207636	1.609E-08	0.0011239	0.0082717	0.0035916	0.00079	0.00076446	0.231607
1525	494661.06	3858601.99	0.01171	0.00484	0.00665	0.01193	0.00989	0.01458	0.0048	0.00484	0.2161712	0.000205935	1.595E-08	0.0011118	0.0082053	0.0036289	0.000783	0.00075819	0.229348
1526	494711.06	3858601.99	0.01155	0.0048	0.00657	0.01177	0.00976	0.01468	0.00476	0.0048	0.21321754	0.000204233	1.576E-08	0.0010969	0.0080974	0.0036538	0.000777	0.00075193	0.226295
1527	494761.06	3858601.99	0.01139	0.00475	0.00649	0.01161	0.00964	0.01473	0.00472	0.00475	0.21026388	0.000202105	1.557E-08	0.001082	0.0079979	0.0036662	0.00077	0.00074409	0.223238
1528	494811.06	3858601.99	0.01118	0.00469	0.00637	0.0114	0.00946	0.01472	0.00466	0.00469	0.20638719	0.000199552	1.528E-08	0.0010624	0.0078485	0.0036638	0.000761	0.00073469	0.219187
1529	494861.06	3858601.99	0.01104	0.00465	0.00631	0.01127	0.00936	0.0148	0.00462	0.00465	0.20380274	0.00019785	1.513E-08	0.0010503	0.0077656	0.0036837	0.000754	0.00072843	0.216526
1530	494911.06	3858601.99	0.01083	0.0046	0.00621	0.01107	0.00919	0.0148	0.00456	0.0046	0.19992606	0.000195723	1.489E-08	0.0010317	0.0076245	0.0036837	0.000744	0.0007206	0.212485
1531	494961.06	3858601.99	0.01068	0.00455	0.00612	0.01092	0.00907	0.01486	0.00452	0.00455	0.197157	0.000193595	1.468E-08	0.0010177	0.007525	0.0036986	0.000738	0.00071276	0.209617
1532	495011.06	3858601.99	0.01052	0.00451	0.00605	0.01076	0.00894	0.01495	0.00448	0.00451	0.19420333	0.000191894	1.451E-08	0.0010028	0.0074171	0.003721	0.000731	0.0007065	0.206561
1533	495061.06	3858601.99	0.01035	0.00447	0.00598	0.0106	0.00882	0.01507	0.00443	0.00447	0.19106507	0.000190192	1.434E-08	0.0009879	0.0073176	0.0037509	0.000723	0.00070023	0.203334
1534	495111.06	3858601.99	0.01008	0.00441	0.00588	0.0104	0.00864	0.01515	0.00437	0.00441	0.18608076	0.000187639	1.41E-08	0.0009692	0.0071682	0.0037708	0.000713	0.00069083	0.198199
1535	495161.06	3858601.99	0.00994	0.00438	0.00581	0.01027	0.0084	0.01534	0.00434	0.00438	0.18349631	0.000186362	1.393E-08	0.0009571	0.0069691	0.0038181	0.000708	0.00068613	0.195449

1536	495211.06	3858601.99	0.00985	0.00435	0.00576	0.01017	0.00833	0.01559	0.00431	0.00435	0.18183487	0.000185086	1.381E-08	0.0009478	0.006911	0.0038803	0.000704	0.00068143	0.193781
1537	495261.06	3858601.99	0.00974	0.00432	0.00571	0.01006	0.00825	0.01588	0.00429	0.00432	0.17980423	0.000183809	1.369E-08	0.0009376	0.0068447	0.0039525	0.0007	0.00067673	0.191746
1538	495311.06	3858601.99	0.00966	0.0043	0.00567	0.00997	0.00819	0.01626	0.00426	0.0043	0.1783274	0.000182958	1.36E-08	0.0009292	0.0067949	0.0040471	0.000695	0.0006736	0.190303
1539	495361.06	3858601.99	0.0096	0.00428	0.00563	0.0099	0.00815	0.01677	0.00425	0.00428	0.17721977	0.000182107	1.35E-08	0.0009226	0.0067617	0.004174	0.000694	0.00067047	0.189283
1540	495411.06	3858601.99	0.00955	0.00427	0.00559	0.00983	0.00811	0.01736	0.00423	0.00427	0.17629675	0.000181682	1.341E-08	0.0009161	0.0067285	0.0043208	0.00069	0.0006689	0.188465
1541	495461.06	3858601.99	0.0095	0.00425	0.00556	0.00976	0.00808	0.01804	0.00422	0.00425	0.17537373	0.000180831	1.333E-08	0.0009096	0.0067036	0.0044901	0.000689	0.00066577	0.187681
1542	495511.06	3858601.99	0.00942	0.00423	0.00551	0.00967	0.00802	0.01874	0.0042	0.00423	0.1738969	0.00017998	1.321E-08	0.0009012	0.0066538	0.0046643	0.000686	0.00066263	0.186319
1543	495561.06	3858601.99	0.00939	0.00422	0.00549	0.00962	0.008	0.01963	0.00419	0.00422	0.17334309	0.000179554	1.317E-08	0.0008965	0.0066372	0.0048858	0.000684	0.00066107	0.185965
1544	495611.06	3858601.99	0.00929	0.0042	0.00544	0.00952	0.00792	0.02055	0.00417	0.0042	0.17149705	0.000178704	1.305E-08	0.0008872	0.0065709	0.0051148	0.000681	0.00065794	0.184271
1545	495661.06	3858601.99	0.00925	0.00418	0.00541	0.00947	0.0079	0.02173	0.00415	0.00418	0.17075864	0.000177853	1.298E-08	0.0008826	0.0065543	0.0054085	0.000677	0.0006548	0.183804
1546	494311.06	3858651.99	0.01163	0.00492	0.00682	0.01205	0.0093	0.01351	0.00486	0.00492	0.21469437	0.000209338	1.636E-08	0.001123	0.0077158	0.0033626	0.000793	0.00077072	0.227128
1547	494361.06	3858651.99	0.01203	0.00499	0.00689	0.01229	0.00962	0.01396	0.00494	0.00499	0.22207853	0.000212317	1.652E-08	0.0011454	0.0079813	0.0034746	0.000806	0.00078169	0.234917
1548	494411.06	3858651.99	0.0124	0.00508	0.00695	0.0126	0.01007	0.01451	0.00505	0.00508	0.22890887	0.000216146	1.667E-08	0.0011743	0.0083546	0.0036115	0.000824	0.00079579	0.242294
1549	494461.06	3858651.99	0.01234	0.00509	0.00704	0.01257	0.01014	0.01475	0.00505	0.00509	0.22780125	0.000216572	1.688E-08	0.0011715	0.0084127	0.0036712	0.000824	0.00079735	0.2413
1550	494511.06	3858651.99	0.01223	0.00506	0.00698	0.01245	0.01008	0.01489	0.00502	0.00506	0.22577061	0.000215295	1.674E-08	0.0011603	0.0083629	0.0037061	0.000819	0.00079266	0.239242
1551	494561.06	3858651.99	0.01214	0.00503	0.00692	0.01235	0.01004	0.01506	0.00499	0.00503	0.22410917	0.000214019	1.66E-08	0.001151	0.0083297	0.0037484	0.000815	0.00078796	0.237579
1552	494611.06	3858651.99	0.01204	0.005	0.00686	0.01223	0.00998	0.01522	0.00496	0.005	0.22226313	0.000212742	1.645E-08	0.0011398	0.00828	0.0037882	0.00081	0.00078326	0.23571
1553	494661.06	3858651.99	0.0119	0.00495	0.00679	0.01208	0.00988	0.01539	0.00492	0.00495	0.21967868	0.000210615	1.628E-08	0.0011258	0.008197	0.0038305	0.000803	0.00077542	0.23307
1554	494711.06	3858651.99	0.01172	0.0049	0.0067	0.0119	0.00974	0.01552	0.00487	0.0049	0.21635581	0.000208487	1.607E-08	0.001109	0.0080808	0.0038629	0.000795	0.00076759	0.229644
1555	494761.06	3858651.99	0.01158	0.00486	0.00662	0.01175	0.00963	0.01562	0.00482	0.00486	0.21377135	0.000206786	1.588E-08	0.0010951	0.0079896	0.0038878	0.000787	0.00076132	0.226976
1556	494811.06	3858651.99	0.01138	0.0048	0.00652	0.01155	0.00947	0.01563	0.00477	0.0048	0.21007927	0.000204233	1.564E-08	0.0010764	0.0078568	0.0038903	0.000779	0.00075193	0.223134
1557	494861.06	3858651.99	0.0112	0.00475	0.00644	0.01137	0.00932	0.01567	0.00471	0.00475	0.2067564	0.000202105	1.545E-08	0.0010596	0.0077324	0.0039002	0.000769	0.00074409	0.219675
1558	494911.06	3858651.99	0.011	0.00469	0.00632	0.01118	0.00916	0.01568	0.00466	0.00469	0.20306432	0.000199552	1.516E-08	0.0010419	0.0075996	0.0039027	0.000761	0.00073469	0.215834
1559	494961.06	3858651.99	0.01081	0.00464	0.00624	0.011	0.00902	0.01573	0.0046	0.00464	0.19955685	0.000197425	1.497E-08	0.0010252	0.0074835	0.0039151	0.000751	0.00072686	0.212202
1560	495011.06	3858651.99	0.01066	0.0046	0.00615	0.01085	0.00891	0.01585	0.00456	0.0046	0.19678779	0.000195723	1.475E-08	0.0010112	0.0073922	0.003945	0.000744	0.0007206	0.209356
1561	495061.06	3858651.99	0.01049	0.00455	0.00606	0.01068	0.00878	0.01599	0.00452	0.00455	0.19364952	0.000193595	1.453E-08	0.0009953	0.0072844	0.0039799	0.000738	0.00071276	0.206128
1562	495111.06	3858651.99	0.0103	0.0045	0.00598	0.0105	0.00863	0.01612	0.00446	0.0045	0.19014205	0.000191468	1.434E-08	0.0009786	0.0071599	0.0040122	0.000728	0.00070493	0.202507
1563	495161.06	3858651.99	0.01017	0.00446	0.00591	0.01037	0.00854	0.01634	0.00443	0.00446	0.1877422	0.000189766	1.417E-08	0.0009664	0.0070853	0.004067	0.000723	0.00069866	0.200075
1564	495211.06	3858651.99	0.01002	0.00442	0.00584	0.01023	0.00843	0.01658	0.00439	0.00442	0.18497314	0.000188064	1.401E-08	0.0009534	0.006994	0.0041267	0.000717	0.0006924	0.197259
1565	495261.06	3858651.99	0.00996	0.0044	0.0058	0.01016	0.00839	0.01699	0.00437	0.0044	0.18386551	0.000187213	1.391E-08	0.0009469	0.0069608	0.0042288	0.000713	0.00068927	0.196213
1566	495311.06	3858651.99	0.00983	0.00438	0.00575	0.01007	0.00833	0.01747	0.00435	0.00438	0.18146566	0.000186362	1.379E-08	0.0009385	0.006911	0.0043482	0.00071	0.00068613	0.193874
1567	495361.06	3858651.99	0.00977	0.00436	0.00571	0.00999	0.00829	0.01808	0.00433	0.00436	0.18035804	0.000185511	1.369E-08	0.000931	0.0068778	0.0045001	0.000707	0.000683	0.192876
1568	495411.06	3858651.99	0.00972	0.00435	0.00567	0.00993	0.00826	0.01877	0.00432	0.00435	0.17943502	0.000185086	1.36E-08	0.0009254	0.006853	0.0046718	0.000705	0.00068143	0.192094
1569	495461.06	3858651.99	0.00968	0.00434	0.00565	0.00988	0.00824	0.01958	0.00431	0.00434	0.1786966	0.00018466	1.355E-08	0.0009208	0.0068364	0.0048734	0.000704	0.00067987	0.191535
1570	495511.06	3858651.99	0.00959	0.00431	0.00559	0.00978	0.00817	0.02039	0.00428	0.00431	0.17703517	0.000183384	1.341E-08	0.0009115	0.0067783	0.005075	0.000699	0.00067517	0.190007
1571	495561.06	3858651.99	0.00951	0.00429	0.00555	0.0097	0.00798	0.02136	0.00426	0.00429	0.17555834	0.000182533	1.331E-08	0.000904	0.0066206	0.0053164	0.000695	0.00067203	0.188605
1572	495611.06	3858651.99	0.00941	0.00426	0.00549	0.0096	0.0079	0.02245	0.00424	0.00426	0.1737123	0.000181256	1.317E-08	0.0008947	0.0065543	0.0055877	0.000692	0.00066733	0.186955
1573	495661.06	3858651.99	0.00936	0.00425	0.00546	0.00954	0.00787	0.02388	0.00422	0.00425	0.17278928	0.000180831	1.309E-08	0.0008891	0.0065294	0.0059437	0.000689	0.00066577	0.186355
1574	494311.06	3858701.99	0.01182	0.00504	0.00699	0.01215	0.00919	0.01408	0.00498	0.00504	0.21820185	0.000214444	1.676E-08	0.0011323	0.0076245	0.0035045	0.000813	0.00078952	0.230701
1575	494361.06	3858701.99	0.01234	0.00514	0.00704	0.01253	0.00967	0.01472	0.0051	0.00514	0.22780125	0.000218699	1.688E-08	0.0011677	0.0080228	0.0036638	0.000832	0.00080519	0.240902
1576	494411.06	3858701.99	0.01255	0.0052	0.0071	0.01274	0.01	0.01522	0.00517	0.0052	0.23167793	0.000221252	1.703E-08	0.0011873	0.0082966	0.0037882	0.000844	0.00081459	0.245201
1577	494461.06	3858701.99	0.01249	0.00518	0.00705	0.01267	0.01	0.01545	0.00515	0.00518	0.23057031	0.000220401	1.691E-08	0.0011808	0.0082966	0.0038455	0.000841	0.00081145	0.244143
1578	494511.06	3858701.99	0.01239	0.00518	0.00714	0.0126	0.01003	0.0157	0.00514	0.00518	0.22872427	0.000220401	1.712E-08	0.0011743	0.0083214	0.0039077	0.000839	0.00081145	0.242376
1579	494561.06	3858701.99	0.01229	0.00514	0.00707	0.01248	0.00998	0.01589	0.00511	0.00514	0.22687823	0.000218699	1.696E-08	0.0011631	0.00828	0.003955	0.000834	0.00080519	0.240524
1580	494611.06	3858701.99	0.01209	0.00508	0.00696	0.01227	0.00981	0.01599	0.00505	0.00508	0.22318615	0.000216146	1.669E-08	0.0011435	0.0081389	0.0039799	0.000824	0.00079579	0.236693
1581	494661.06	3858701.99	0.01203	0.00506	0.00691	0.0122	0.0098	0.0163	0.00503	0.00506	0.22207853	0.000215295	1.657E-08	0.001137	0.0081306	0.004057	0.000821	0.00079266	0.235647
1582	494711.06	3858701.99	0.01166	0.00494	0.00673	0.01181	0.00946	0.01623	0.00491	0.00494	0.21524818	0.000210189	1.614E-08	0.0011006	0.0078485	0.0040396	0.000801	0.00077386	0.228475
1583	494761.06	3858701.99	0.01168	0.00495	0.00672	0.01182	0.00953	0.01661	0.00492	0.00495	0.21561739	0.000210615	1.612E-08	0.0011016	0.0079066	0.0041342	0.000803	0.00077542	0.228998
1584	494811.06	3858701.99	0.01149	0.00489	0.00662	0.01162	0.00937	0.01664	0.00485	0.00489	0.21210992	0.000208062	1.588E-08	0.0010829	0.0077739	0.0041416	0.000792	0.00076602	0.225342
1585	494861.06	3858701.99	0.01132	0.00484	0.00654	0.01145	0.00925	0.01671	0.00481	0.00484	0.20897165	0.000205935	1.569E-08	0.0010671	0.0076743	0.0041591	0.000785	0.00075819	0.222105
1586	494911.06	3858701.99	0.01117	0.0048	0.00646	0.0113	0.00914	0.0168	0.00476	0.0048	0.20620259	0.000204233	1.549E-08	0.0010531	0.007583	0.0041815	0.000777	0.00075193	0.21925
1587	494961.06	3858701.99	0.01091	0.00472	0.00634	0.01105	0.00893	0.01676	0.00469	0.00472	0.20140289	0.000200829	1.521E-08	0.0010298	0.0074088	0.0041715	0.000766	0.00073939	0.21424
1588	495011.06	3858701.99	0.01074	0.00467	0.00624	0.01088	0.0088	0.01689	0.00463	0.00467	0.19826462	0.000198701	1.497E-08	0.001014	0.007301	0.0042039	0.000756	0.00073156	0.211006
1589	495061.06	3858701.99	0.01064	0.00464	0.00618	0.01078	0.00874	0.01714	0.00461	0.00464	0.19641858	0.000197425	1.482E-08	0.0010047	0.0072512	0.0042661	0.000752	0.00072686	0.209164
1590	495111.06	3858701.99	0.01043	0.00458	0.00605	0.01059	0.00859	0.01729	0.00455	0.00458	0.1925419	0.000194872	1.451E-08	0.0009869	0.0071267	0.0043034	0.000743	0.00071746	0.205179
1591	495161.06	3858701.99	0.01032	0.00455	0.00599	0.01046	0.00851	0.01756	0.00451	0.00455	0.19051126	0.000193595	1.437E-08	0.0009748	0.0070604	0.0043706	0.000736	0.00071276	0.203134
1592	495211.06	3858701.99	0.01017	0.00451	0.00592	0.01032	0.0084	0.01786	0.00447	0.00451	0.1877422	0.000191894	1.42E-08	0.0009618	0.0069691	0.0044453	0.00073	0.0007065	0.200333

1593	495261.06	3858701.99	0.01011	0.00449	0.00588	0.01025	0.00837	0.01841	0.00446	0.00449	0.18663457	0.000191043	1.41E-08	0.0009553	0.0069442	0.0045822	0.000728	0.00070336	0.199332
1594	495311.06	3858701.99	0.01005	0.00447	0.00583	0.01018	0.00834	0.01905	0.00444	0.00447	0.18552695	0.000190192	1.398E-08	0.0009487	0.0069193	0.0047415	0.000725	0.00070023	0.198351
1595	495361.06	3858701.99	0.00997	0.00445	0.00579	0.01009	0.00829	0.01973	0.00442	0.00445	0.18405012	0.000189341	1.389E-08	0.0009403	0.0068778	0.0049107	0.000721	0.0006971	0.196993
1596	495411.06	3858701.99	0.00993	0.00444	0.00575	0.01004	0.00828	0.02055	0.00441	0.00444	0.1833117	0.000188915	1.379E-08	0.0009357	0.0068695	0.0051148	0.00072	0.00069553	0.196445
1597	495461.06	3858701.99	0.00987	0.00442	0.00571	0.00997	0.00824	0.02143	0.00439	0.00442	0.18220408	0.000188064	1.369E-08	0.0009292	0.0068364	0.0053339	0.000717	0.0006924	0.195516
1598	495511.06	3858701.99	0.00979	0.00439	0.00566	0.00988	0.00818	0.02242	0.00437	0.00439	0.18072725	0.000186788	1.357E-08	0.0009208	0.0067866	0.0055803	0.000713	0.0006877	0.194227
1599	495561.06	3858701.99	0.00969	0.00437	0.00561	0.00978	0.00812	0.02356	0.00434	0.00437	0.17888121	0.000185937	1.345E-08	0.0009115	0.0067368	0.005864	0.000708	0.00068457	0.192603
1600	495611.06	3858701.99	0.0096	0.00434	0.00556	0.00969	0.00805	0.02493	0.00432	0.00434	0.17721977	0.00018466	1.333E-08	0.0009031	0.0066787	0.006205	0.000705	0.00067987	0.191217
1601	495661.06	3858701.99	0.00953	0.00432	0.00551	0.00961	0.008	0.02667	0.0043	0.00432	0.17592755	0.000183809	1.321E-08	0.0008956	0.0066372	0.0066381	0.000702	0.00067673	0.190307
1602	494311.06	3858751.99	0.01207	0.00515	0.00714	0.01227	0.00909	0.01474	0.0051	0.00515	0.22281694	0.000219125	1.712E-08	0.0011435	0.0075416	0.0036687	0.000832	0.00080675	0.235416
1603	494361.06	3858751.99	0.01259	0.00529	0.00721	0.01276	0.00969	0.01555	0.00525	0.00529	0.23241635	0.000225081	1.729E-08	0.0011892	0.0080394	0.0038703	0.000857	0.00082868	0.245769
1604	494411.06	3858751.99	0.01271	0.00534	0.00726	0.01291	0.00995	0.01607	0.0053	0.00534	0.2346316	0.000227209	1.741E-08	0.0012032	0.0082551	0.0039998	0.000865	0.00083652	0.248345
1605	494461.06	3858751.99	0.01264	0.00531	0.00721	0.01284	0.00995	0.01637	0.00528	0.00531	0.23333937	0.000225932	1.729E-08	0.0011966	0.0082551	0.0040744	0.000862	0.00083182	0.247121
1606	494511.06	3858751.99	0.01256	0.00532	0.00732	0.0128	0.01001	0.01671	0.00528	0.00532	0.23186254	0.000226358	1.756E-08	0.0011929	0.0083049	0.0041591	0.000862	0.00083338	0.245774
1607	494561.06	3858751.99	0.01244	0.00525	0.0072	0.01261	0.00991	0.01691	0.00522	0.00525	0.22964729	0.000223379	1.727E-08	0.0011752	0.0082219	0.0042088	0.000852	0.00082242	0.243506
1608	494611.06	3858751.99	0.01227	0.0052	0.00711	0.01242	0.00978	0.01708	0.00517	0.0052	0.22650902	0.000221252	1.705E-08	0.0011575	0.008114	0.0042512	0.000844	0.00081459	0.240282
1609	494661.06	3858751.99	0.01216	0.00515	0.00699	0.01229	0.00968	0.01738	0.00512	0.00515	0.22447838	0.000219125	1.676E-08	0.0011454	0.0080311	0.0043258	0.000836	0.00080675	0.238229
1610	494711.06	3858751.99	0.01194	0.00508	0.00689	0.01204	0.00949	0.01758	0.00505	0.00508	0.22041709	0.000216146	1.652E-08	0.0011221	0.0078734	0.0043756	0.000824	0.00079579	0.234033
1611	494761.06	3858751.99	0.01181	0.00506	0.00684	0.01194	0.00946	0.01792	0.00502	0.00506	0.21801724	0.000215295	1.64E-08	0.0011128	0.0078485	0.0044602	0.000819	0.00079266	0.231681
1612	494811.06	3858751.99	0.01161	0.00499	0.00673	0.01172	0.0093	0.01795	0.00496	0.00499	0.21432516	0.000212317	1.614E-08	0.0010923	0.0077158	0.0044677	0.00081	0.00078169	0.227841
1613	494861.06	3858751.99	0.01143	0.00493	0.00663	0.01153	0.00915	0.01801	0.0049	0.00493	0.21100229	0.000209764	1.59E-08	0.0010745	0.0075913	0.0044826	0.0008	0.00077229	0.224388
1614	494911.06	3858751.99	0.01122	0.00487	0.00652	0.01132	0.00899	0.01804	0.00483	0.00487	0.20712561	0.000207211	1.564E-08	0.001055	0.0074586	0.0044901	0.000788	0.00076289	0.220362
1615	494961.06	3858751.99	0.01106	0.00482	0.00643	0.01116	0.00888	0.01817	0.00479	0.00482	0.20417195	0.000205084	1.542E-08	0.0010401	0.0073673	0.0045225	0.000782	0.00075506	0.217334
1616	495011.06	3858751.99	0.01094	0.00478	0.00636	0.01103	0.00881	0.01843	0.00475	0.00478	0.2019567	0.000203382	1.525E-08	0.001028	0.0073093	0.0045872	0.000775	0.00074879	0.215111
1617	495061.06	3858751.99	0.01078	0.00473	0.00628	0.01087	0.00869	0.01864	0.0047	0.00473	0.19900304	0.000201254	1.506E-08	0.001013	0.0072097	0.0046394	0.000767	0.00074096	0.212093
1618	495111.06	3858751.99	0.01059	0.00468	0.00617	0.01069	0.00855	0.01883	0.00465	0.00468	0.19549556	0.000199127	1.48E-08	0.0009963	0.0070936	0.0046867	0.000759	0.00073313	0.208497
1619	495161.06	3858751.99	0.01047	0.00464	0.0061	0.01057	0.00847	0.01917	0.00461	0.00464	0.19328032	0.000197425	1.463E-08	0.0009851	0.0070272	0.0047713	0.000752	0.00072686	0.206287
1620	495211.06	3858751.99	0.01032	0.0046	0.00601	0.01042	0.00837	0.0196	0.00457	0.0046	0.19051126	0.000195723	1.441E-08	0.0009711	0.0069442	0.0048784	0.000746	0.0007206	0.203526
1621	495261.06	3858751.99	0.01025	0.00458	0.00597	0.01034	0.00834	0.02028	0.00455	0.00458	0.18921903	0.000194872	1.432E-08	0.0009636	0.0069193	0.0050476	0.000743	0.00071746	0.20237
1622	495311.06	3858751.99	0.01019	0.00456	0.00592	0.01027	0.00832	0.02103	0.00453	0.00456	0.18811141	0.000194021	1.42E-08	0.0009571	0.0069027	0.0052343	0.000739	0.00071433	0.201425
1623	495361.06	3858751.99	0.01012	0.00454	0.00587	0.01019	0.00828	0.02182	0.00451	0.00454	0.18681918	0.00019317	1.408E-08	0.0009497	0.0068695	0.0054309	0.000736	0.0007112	0.200287
1624	495411.06	3858751.99	0.01008	0.00453	0.00584	0.01015	0.00827	0.0228	0.0045	0.00453	0.18608076	0.000192745	1.401E-08	0.0009459	0.0068612	0.0056748	0.000735	0.00070963	0.19978
1625	495461.06	3858751.99	0.01002	0.00451	0.0058	0.01007	0.00824	0.02387	0.00448	0.00451	0.18497314	0.000191894	1.391E-08	0.0009385	0.0068364	0.0059412	0.000731	0.0007065	0.198906
1626	495511.06	3858751.99	0.00993	0.00448	0.00572	0.00998	0.00818	0.02507	0.00446	0.00448	0.1833117	0.000190617	1.372E-08	0.0009301	0.0067866	0.0062398	0.000728	0.0007018	0.197485
1627	495561.06	3858751.99	0.00984	0.00445	0.00566	0.00989	0.00812	0.02647	0.00443	0.00445	0.18165027	0.000189341	1.357E-08	0.0009217	0.0067368	0.0065883	0.000723	0.0006971	0.196112
1628	495611.06	3858751.99	0.00974	0.00442	0.00561	0.00979	0.00806	0.02817	0.0044	0.00442	0.17980423	0.000188064	1.345E-08	0.0009124	0.006687	0.0070114	0.000718	0.0006924	0.194629
1629	495661.06	3858751.99	0.00966	0.0044	0.00556	0.0097	0.00801	0.03035	0.00438	0.0044	0.1783274	0.000187213	1.333E-08	0.000904	0.0066455	0.007554	0.000715	0.00068927	0.193644
1630	494311.06	3858801.99	0.01239	0.00531	0.0073	0.01254	0.00911	0.01561	0.00526	0.00531	0.22872427	0.000225932	1.751E-08	0.0011687	0.0075582	0.0038853	0.000859	0.00083182	0.241589
1631	494361.06	3858801.99	0.01277	0.00544	0.00739	0.01295	0.00967	0.01646	0.0054	0.00544	0.23573922	0.000231464	1.772E-08	0.0012069	0.0080228	0.0040968	0.000881	0.00085218	0.249326
1632	494411.06	3858801.99	0.01279	0.00545	0.00739	0.013	0.00981	0.01693	0.00541	0.00545	0.23610843	0.000231889	1.772E-08	0.0012115	0.0081389	0.0042138	0.000883	0.00085375	0.249934
1633	494461.06	3858801.99	0.01275	0.00545	0.00737	0.01299	0.00989	0.01736	0.00541	0.00545	0.23537001	0.000231889	1.768E-08	0.0012106	0.0082053	0.0043208	0.000883	0.00085375	0.249368
1634	494511.06	3858801.99	0.01268	0.00545	0.00747	0.01297	0.00996	0.01782	0.00542	0.00545	0.23407778	0.000231889	1.792E-08	0.0012088	0.0082634	0.0044353	0.000885	0.00085375	0.248248
1635	494561.06	3858801.99	0.01258	0.00542	0.00741	0.01286	0.00992	0.0182	0.00538	0.00542	0.23223174	0.000230613	1.777E-08	0.0011985	0.0082302	0.0045299	0.000878	0.00084905	0.24645
1636	494611.06	3858801.99	0.01246	0.00537	0.00732	0.01271	0.00985	0.01858	0.00534	0.00537	0.2300165	0.000228485	1.756E-08	0.0011845	0.0081721	0.0046245	0.000872	0.00084122	0.244257
1637	494661.06	3858801.99	0.01229	0.00531	0.00721	0.01251	0.00971	0.01893	0.00527	0.00531	0.22687823	0.000225932	1.729E-08	0.0011659	0.008056	0.0047116	0.00086	0.00083182	0.241066
1638	494711.06	3858801.99	0.01211	0.00524	0.00708	0.01228	0.00955	0.01927	0.00521	0.00524	0.22355536	0.000222954	1.698E-08	0.0011444	0.0079232	0.0047962	0.00085	0.00082085	0.237672
1639	494761.06	3858801.99	0.0119	0.00516	0.00695	0.01203	0.00936	0.01952	0.00513	0.00516	0.21967868	0.00021955	1.667E-08	0.0011211	0.0077656	0.0048585	0.000837	0.00080832	0.233672
1640	494811.06	3858801.99	0.01168	0.00508	0.00681	0.01178	0.00917	0.01958	0.00505	0.00508	0.21561739	0.000216146	1.633E-08	0.0010978	0.0076079	0.0048734	0.000824	0.00079579	0.229441
1641	494861.06	3858801.99	0.01154	0.00503	0.00672	0.01163	0.00907	0.01976	0.005	0.00503	0.21303294	0.000214019	1.612E-08	0.0010839	0.007525	0.0049182	0.000816	0.00078796	0.226802
1642	494911.06	3858801.99	0.01135	0.00497	0.00661	0.01142	0.00892	0.01983	0.00494	0.00497	0.20952546	0.000211466	1.585E-08	0.0010643	0.0074005	0.0049356	0.000806	0.00077856	0.223165
1643	494961.06	3858801.99	0.0112	0.00492	0.00652	0.01126	0.00881	0.02004	0.00489	0.00492	0.2067564	0.000209338	1.564E-08	0.0010494	0.0073093	0.0049879	0.000798	0.00077072	0.22034
1644	495011.06	3858801.99	0.01103	0.00487	0.00642	0.01109	0.0087	0.0203	0.00484	0.00487	0.20361814	0.000207211	1.54E-08	0.0010335	0.007218	0.0050526	0.00079	0.00076289	0.217157
1645	495061.06	3858801.99	0.01091	0.00483	0.00635	0.01097	0.00863	0.02067	0.0048	0.00483	0.20140289	0.000205509	1.523E-08	0.0010224	0.0071599	0.0051447	0.000783	0.00075663	0.214962
1646	495111.06	3858801.99	0.01071	0.00477	0.00625	0.01077	0.00848	0.02087	0.00474	0.00477	0.19771081	0.000202956	1.499E-08	0.0010037	0.0070355	0.0051945	0.000774	0.00074723	0.211174
1647	495161.06	3858801.99	0.01056	0.00472	0.00616	0.01062	0.00838	0.0213	0.00469	0.00472	0.19494175	0.000200829	1.477E-08	0.0009897	0.0069525	0.0053015	0.000766	0.00073939	0.208412
1648	495211.06	3858801.99	0.01045	0.00469	0.0061	0.01051	0.00832	0.022	0.00466	0.00469	0.19291111	0.000199552	1.463E-08	0.0009795	0.0069027	0.0054757	0.000761	0.00073469	0.206495
1649	495261.06	3858801.99	0.01039	0.00467	0.00605	0.01044	0.0083	0.02281	0.00464	0.00467	0.19180348	0.000198701	1.451E-08	0.000973	0.0068861	0.0056773	0.000757	0.00073156	0.205564

1650	495311.06	3858801.99	0.01033	0.00465	0.006	0.01037	0.00829	0.02371	0.00462	0.00465	0.19069586	0.00019785	1.439E-08	0.0009664	0.0068778	0.0059013	0.000754	0.00072843	0.204665
1651	495361.06	3858801.99	0.01026	0.00463	0.00595	0.01029	0.00825	0.02467	0.0046	0.00463	0.18940363	0.000196999	1.427E-08	0.000959	0.0068447	0.0061403	0.000751	0.0007253	0.20357
1652	495411.06	3858801.99	0.01024	0.00462	0.00592	0.01026	0.00827	0.02592	0.0046	0.00462	0.18903442	0.000196574	1.42E-08	0.0009562	0.0068612	0.0064514	0.000751	0.00072373	0.203527
1653	495461.06	3858801.99	0.01016	0.0046	0.00587	0.01018	0.00823	0.02719	0.00457	0.0046	0.18755759	0.000195723	1.408E-08	0.0009487	0.0068281	0.0067675	0.000746	0.0007206	0.202323
1654	495511.06	3858801.99	0.01006	0.00457	0.00581	0.01008	0.00818	0.02861	0.00455	0.00457	0.18571155	0.000194446	1.393E-08	0.0009394	0.0067866	0.0071209	0.000743	0.0007159	0.20078
1655	495561.06	3858801.99	0.00998	0.00455	0.00575	0.01	0.00813	0.03037	0.00452	0.00455	0.18423472	0.000193595	1.379E-08	0.000932	0.0067451	0.007559	0.000738	0.00071276	0.199689
1656	495611.06	3858801.99	0.00987	0.00451	0.00569	0.00988	0.00805	0.03248	0.00449	0.00451	0.18220408	0.000191894	1.365E-08	0.0009208	0.0066787	0.0080842	0.000733	0.0007065	0.198106
1657	495661.06	3858801.99	0.0098	0.00449	0.00565	0.00981	0.00802	0.03538	0.00447	0.00449	0.18091185	0.000191043	1.355E-08	0.0009143	0.0066538	0.008806	0.00073	0.00070336	0.197503
1658	494311.06	3858851.99	0.01291	0.00557	0.00757	0.01309	0.0095	0.01692	0.00553	0.00557	0.23832367	0.000236995	1.816E-08	0.0012199	0.0078817	0.0042113	0.000903	0.00087255	0.251904
1659	494361.06	3858851.99	0.01303	0.00564	0.00764	0.01332	0.00984	0.01761	0.0056	0.00564	0.24053892	0.000239973	1.832E-08	0.0012414	0.0081638	0.0043831	0.000914	0.00088351	0.254598
1660	494411.06	3858851.99	0.01293	0.00561	0.00757	0.01323	0.00982	0.01803	0.00557	0.00561	0.23869288	0.000238697	1.816E-08	0.001233	0.0081472	0.0044876	0.000909	0.00087881	0.25283
1661	494461.06	3858851.99	0.01286	0.00559	0.00753	0.01318	0.00986	0.01853	0.00555	0.00559	0.23740065	0.000237846	1.806E-08	0.0012283	0.0081804	0.0046121	0.000906	0.00087568	0.25169
1662	494511.06	3858851.99	0.01276	0.00559	0.00761	0.01312	0.00988	0.01908	0.00555	0.00559	0.23555462	0.000237846	1.825E-08	0.0012227	0.008197	0.0047489	0.000906	0.00087568	0.249991
1663	494561.06	3858851.99	0.01265	0.00555	0.00753	0.013	0.00984	0.0196	0.00551	0.00555	0.23352397	0.000236144	1.806E-08	0.0012115	0.0081638	0.0048784	0.000899	0.00086941	0.248044
1664	494611.06	3858851.99	0.01252	0.00549	0.00742	0.01282	0.00974	0.02011	0.00546	0.00549	0.23112412	0.000233591	1.78E-08	0.0011948	0.0080808	0.0050053	0.000891	0.00086002	0.24567
1665	494661.06	3858851.99	0.01237	0.00543	0.00731	0.01262	0.00961	0.02064	0.00539	0.00543	0.22835506	0.000231038	1.753E-08	0.0011761	0.007973	0.0051372	0.00088	0.00085062	0.242902
1666	494711.06	3858851.99	0.01217	0.00534	0.00716	0.01236	0.00942	0.02115	0.00531	0.00534	0.22466298	0.000227209	1.717E-08	0.0011519	0.0078154	0.0052642	0.000867	0.00083652	0.239152
1667	494761.06	3858851.99	0.01197	0.00526	0.00702	0.01211	0.00923	0.02163	0.00523	0.00526	0.2209709	0.000223805	1.684E-08	0.0011286	0.0076577	0.0053836	0.000854	0.00082399	0.235394
1668	494811.06	3858851.99	0.01179	0.0052	0.00691	0.0119	0.00909	0.02188	0.00517	0.0052	0.21764803	0.000221252	1.657E-08	0.001109	0.0075416	0.0054459	0.000844	0.00081459	0.231995
1669	494861.06	3858851.99	0.01166	0.00515	0.00681	0.01174	0.009	0.02216	0.00512	0.00515	0.21524818	0.000219125	1.633E-08	0.0010941	0.0074669	0.0055155	0.000836	0.00080675	0.229573
1670	494911.06	3858851.99	0.01149	0.00508	0.0067	0.01155	0.00887	0.02235	0.00505	0.00508	0.21210992	0.000216146	1.607E-08	0.0010764	0.007359	0.0055628	0.000824	0.00079579	0.226353
1671	494961.06	3858851.99	0.01133	0.00503	0.0066	0.01138	0.00875	0.02269	0.005	0.00503	0.20915625	0.000214019	1.583E-08	0.0010606	0.0072595	0.0056475	0.000816	0.00078796	0.223366
1672	495011.06	3858851.99	0.01119	0.00498	0.00651	0.01123	0.00867	0.02314	0.00495	0.00498	0.2065718	0.000211891	1.561E-08	0.0010466	0.0071931	0.0057595	0.000808	0.00078012	0.220811
1673	495061.06	3858851.99	0.01103	0.00493	0.00641	0.01107	0.00856	0.02353	0.0049	0.00493	0.20361814	0.000209764	1.537E-08	0.0010317	0.0071018	0.0058565	0.0008	0.00077229	0.217846
1674	495111.06	3858851.99	0.01078	0.00485	0.00628	0.01082	0.00836	0.02376	0.00482	0.00485	0.19900304	0.00020636	1.506E-08	0.0010084	0.0069359	0.0059138	0.000787	0.00075976	0.213094
1675	495161.06	3858851.99	0.01063	0.0048	0.00619	0.01067	0.00826	0.02444	0.00477	0.0048	0.19623398	0.000204233	1.485E-08	0.0009944	0.006853	0.006083	0.000779	0.00075193	0.210395
1676	495211.06	3858851.99	0.01059	0.00479	0.00615	0.01062	0.00828	0.02549	0.00476	0.00479	0.19549556	0.000203807	1.475E-08	0.0009897	0.0068695	0.0063444	0.000777	0.00075036	0.20993
1677	495261.06	3858851.99	0.01052	0.00477	0.0061	0.01054	0.00826	0.02648	0.00474	0.00477	0.19420333	0.000202956	1.463E-08	0.0009823	0.006853	0.0065908	0.000774	0.00074723	0.208859
1678	495311.06	3858851.99	0.01047	0.00475	0.00606	0.01049	0.00826	0.02765	0.00472	0.00475	0.19328032	0.000202105	1.453E-08	0.0009776	0.006853	0.006882	0.00077	0.00074409	0.208221
1679	495361.06	3858851.99	0.01041	0.00473	0.00601	0.01042	0.00824	0.0289	0.0047	0.00473	0.19217269	0.000201254	1.441E-08	0.0009711	0.0068364	0.0071931	0.000767	0.00074096	0.207401
1680	495411.06	3858851.99	0.01034	0.00471	0.00596	0.01035	0.00822	0.0303	0.00468	0.00471	0.19088046	0.000200403	1.429E-08	0.0009646	0.0068198	0.0075416	0.000764	0.00073783	0.206433
1681	495461.06	3858851.99	0.01028	0.00469	0.00592	0.01028	0.00821	0.03193	0.00467	0.00469	0.18977284	0.000199552	1.42E-08	0.0009581	0.0068115	0.0079473	0.000762	0.00073469	0.205717
1682	495511.06	3858851.99	0.01023	0.00466	0.00585	0.01019	0.00817	0.03383	0.00464	0.00466	0.18884982	0.000198276	1.403E-08	0.0009497	0.0067783	0.0084202	0.000757	0.00072999	0.205224
1683	495561.06	3858851.99	0.01007	0.00463	0.00579	0.01007	0.00808	0.03573	0.0046	0.00463	0.18589616	0.000196999	1.389E-08	0.0009385	0.0067036	0.0088931	0.000751	0.0007253	0.202654
1684	495611.06	3858851.99	0.00996	0.00459	0.00572	0.00995	0.00801	0.0384	0.00457	0.00459	0.18386551	0.000195297	1.372E-08	0.0009273	0.0066455	0.0095576	0.000746	0.00071903	0.201218
1685	495661.06	3858851.99	0.0099	0.00457	0.00568	0.00989	0.00799	0.04233	0.00455	0.00457	0.18275789	0.000194446	1.362E-08	0.0009217	0.0066289	0.0105358	0.000743	0.0007159	0.201066
1686	494311.06	3858901.99	0.01308	0.00575	0.00775	0.01334	0.00955	0.01792	0.0057	0.00575	0.24146194	0.000244654	1.859E-08	0.0012432	0.0079232	0.0044602	0.00093	0.00090074	0.255363
1687	494361.06	3858901.99	0.01312	0.00579	0.0078	0.0135	0.0098	0.01863	0.00575	0.00579	0.24220036	0.000246356	1.871E-08	0.0012581	0.0081306	0.0046369	0.000939	0.00090701	0.256504
1688	494411.06	3858901.99	0.01304	0.00577	0.00774	0.01345	0.00984	0.01922	0.00573	0.00577	0.24072353	0.000245505	1.856E-08	0.0012535	0.0081638	0.0047838	0.000935	0.00090388	0.255202
1689	494461.06	3858901.99	0.01295	0.00578	0.00784	0.01343	0.00989	0.01992	0.00573	0.00578	0.23906209	0.00024593	1.88E-08	0.0012516	0.0082053	0.004958	0.000935	0.00090544	0.253753
1690	494511.06	3858901.99	0.01286	0.00575	0.00777	0.01335	0.00989	0.02062	0.00571	0.00575	0.23740065	0.000244654	1.864E-08	0.0012442	0.0082053	0.0051322	0.000932	0.00090074	0.252258
1691	494561.06	3858901.99	0.01273	0.00569	0.00766	0.01317	0.00979	0.02131	0.00565	0.00569	0.2350008	0.000242101	1.837E-08	0.0012274	0.0081223	0.005304	0.000922	0.00089135	0.249928
1692	494611.06	3858901.99	0.01255	0.0056	0.0075	0.0129	0.0096	0.02196	0.00557	0.0056	0.23167793	0.000238271	1.799E-08	0.0012022	0.0079647	0.0054658	0.000909	0.00087725	0.246581
1693	494661.06	3858901.99	0.01242	0.00555	0.00739	0.01273	0.00951	0.02283	0.00551	0.00555	0.22927808	0.000236144	1.772E-08	0.0011864	0.00789	0.0056823	0.000899	0.00086941	0.244303
1694	494711.06	3858901.99	0.01224	0.00547	0.00725	0.01248	0.00933	0.02369	0.00543	0.00547	0.22595521	0.00023274	1.739E-08	0.0011631	0.0077407	0.0058964	0.000886	0.00085688	0.241018
1695	494761.06	3858901.99	0.01204	0.00538	0.00709	0.01221	0.00913	0.02451	0.00534	0.00538	0.22226313	0.000228911	1.7E-08	0.0011379	0.0075748	0.0061005	0.000872	0.00084278	0.237334
1696	494811.06	3858901.99	0.01189	0.00532	0.00698	0.01203	0.00902	0.02525	0.00528	0.00532	0.21949407	0.000226358	1.674E-08	0.0011211	0.0074835	0.0062846	0.000862	0.00083338	0.234638
1697	494861.06	3858901.99	0.01176	0.00527	0.00689	0.01188	0.00894	0.02572	0.00524	0.00527	0.21709422	0.00022423	1.652E-08	0.0011072	0.0074171	0.0064016	0.000855	0.00082555	0.232274
1698	494911.06	3858901.99	0.01155	0.00518	0.00675	0.01162	0.00874	0.02583	0.00515	0.00518	0.21321754	0.000220401	1.619E-08	0.0010829	0.0072512	0.006429	0.000841	0.00081145	0.22823
1699	494961.06	3858901.99	0.01141	0.00513	0.00665	0.01146	0.00865	0.02647	0.0051	0.00513	0.21063308	0.000218274	1.595E-08	0.001068	0.0071765	0.0065883	0.000832	0.00080362	0.225713
1700	495011.06	3858901.99	0.01126	0.00508	0.00655	0.0113	0.00856	0.02717	0.00505	0.00508	0.20786403	0.000216146	1.571E-08	0.0010531	0.0071018	0.0067625	0.000824	0.00079579	0.223026
1701	495061.06	3858901.99	0.01108	0.00501	0.00644	0.0111	0.00842	0.02772	0.00498	0.00501	0.20454115	0.000213168	1.545E-08	0.0010345	0.0069857	0.0068994	0.000813	0.00078482	0.219702
1702	495111.06	3858901.99	0.01083	0.00493	0.0063	0.01085	0.00822	0.02824	0.0049	0.00493	0.19992606	0.000209764	1.511E-08	0.0010112	0.0068198	0.0070288	0.0008	0.00077229	0.215023
1703	495161.06	3858901.99	0.01072	0.00489	0.00623	0.01074	0.00817	0.02935	0.00486	0.00489	0.19789541	0.000208062	1.494E-08	0.0010009	0.0067783	0.0073051	0.000793	0.00076602	0.213215
1704	495211.06	3858901.99	0.01071	0.00489	0.0062	0.01073	0.00822	0.03092	0.00486	0.00489	0.19771081	0.000208062	1.487E-08	0.001	0.0068198	0.0076959	0.000793	0.00076602	0.213462
1705	495261.06	3858901.99	0.01065	0.00487	0.00615	0.01066	0.00822	0.03235	0.00484	0.00487	0.19660319	0.000207211	1.475E-08	0.0009935	0.0068198	0.0080518	0.00079	0.00076289	0.212703
1706	495311.06	3858901.99	0.01058	0.00484	0.00609	0.01058	0.0082	0.03379	0.00482	0.00484	0.19531096	0.000205935	1.461E-08	0.000986	0.0068032	0.0084102	0.000787	0.00075819	0.211745

1707	495361.06	3858901.99	0.01051	0.00482	0.00604	0.01051	0.00818	0.03536	0.00479	0.00482
1708	495411.06	3858901.99	0.01046	0.00481	0.006	0.01047	0.00819	0.03724	0.00478	0.00481
1709	495461.06	3858901.99	0.01038	0.00478	0.00595	0.01038	0.00816	0.0391	0.00476	0.00478
1710	495511.06	3858901.99	0.01027	0.00475	0.00588	0.01026	0.0081	0.04115	0.00472	0.00475
1711	495561.06	3858901.99	0.01018	0.00472	0.00582	0.01016	0.00805	0.04385	0.00469	0.00472
1712	495611.06	3858901.99	0.01006	0.00468	0.00575	0.01005	0.00798	0.04726	0.00466	0.00468
1713	495661.06	3858901.99	0.01001	0.00467	0.00571	0.00999	0.00797	0.05271	0.00464	0.00467
1714	494311.06	3858951.99	0.01327	0.00597	0.00799	0.01374	0.00973	0.01907	0.00592	0.00597
1715	494361.06	3858951.99	0.01321	0.00597	0.00797	0.01376	0.00984	0.01977	0.00592	0.00597
1716	494411.06	3858951.99	0.01309	0.00592	0.00787	0.01362	0.00978	0.02042	0.00587	0.00592
1717	494461.06	3858951.99	0.013	0.00593	0.00796	0.01361	0.00984	0.02133	0.00588	0.00593
1718	494511.06	3858951.99	0.0129	0.00589	0.00787	0.01349	0.0098	0.02224	0.00584	0.00589
1719	494561.06	3858951.99	0.01277	0.00583	0.00775	0.01331	0.0097	0.02326	0.00578	0.00583
1720	494611.06	3858951.99	0.01261	0.00575	0.0076	0.01307	0.00955	0.02437	0.00571	0.00575
1721	494661.06	3858951.99	0.01246	0.00567	0.00747	0.01285	0.00941	0.02568	0.00563	0.00567
1722	494711.06	3858951.99	0.01227	0.00558	0.00729	0.01256	0.00921	0.02704	0.00554	0.00558
1723	494761.06	3858951.99	0.01211	0.0055	0.00716	0.01234	0.00906	0.02864	0.00547	0.0055
1724	494811.06	3858951.99	0.01198	0.00545	0.00706	0.01217	0.00897	0.03018	0.00541	0.00545
1725	494861.06	3858951.99	0.01184	0.00539	0.00695	0.012	0.00887	0.03109	0.00536	0.00539
1726	494911.06	3858951.99	0.01167	0.00532	0.00683	0.01179	0.00873	0.0319	0.00529	0.00532
1727	494961.06	3858951.99	0.01156	0.00527	0.00674	0.01165	0.00866	0.03332	0.00524	0.00527
1728	495011.06	3858951.99	0.01131	0.00517	0.00658	0.01136	0.00843	0.03375	0.00515	0.00517
1729	495061.06	3858951.99	0.01107	0.00508	0.00643	0.01109	0.00822	0.03464	0.00505	0.00508
1730	495111.06	3858951.99	0.01087	0.00501	0.00631	0.01088	0.00807	0.03575	0.00498	0.00501
1731	495161.06	3858951.99	0.01088	0.00502	0.00629	0.0109	0.00816	0.0383	0.00499	0.00502
1732	495211.06	3858951.99	0.01082	0.005	0.00624	0.01084	0.00817	0.04043	0.00497	0.005
1733	495261.06	3858951.99	0.01076	0.00497	0.00619	0.01078	0.00817	0.04254	0.00495	0.00497
1734	495311.06	3858951.99	0.01064	0.00493	0.00611	0.01065	0.0081	0.04413	0.00491	0.00493
1735	495361.06	3858951.99	0.01059	0.00492	0.00607	0.0106	0.00811	0.04634	0.00489	0.00492
1736	495411.06	3858951.99	0.01055	0.0049	0.00603	0.01056	0.00813	0.04878	0.00488	0.0049
1737	495461.06	3858951.99	0.01047	0.00488	0.00598	0.01048	0.00811	0.05105	0.00486	0.00488
1738	495511.06	3858951.99	0.01042	0.00486	0.00593	0.01043	0.00811	0.054	0.00484	0.00486
1739	495561.06	3858951.99	0.01027	0.00481	0.00584	0.01027	0.00801	0.05669	0.00479	0.00481
1740	495611.06	3858951.99	0.01016	0.00477	0.00578	0.01015	0.00795	0.06126	0.00475	0.00477
1741	495661.06	3858951.99	0.01012	0.00476	0.00574	0.01011	0.00795	0.06916	0.00474	0.00476
1742	494311.06	3859001.99	0.01334	0.00617	0.00817	0.01404	0.00978	0.02014	0.00611	0.00617
1743	494361.06	3859001.99	0.01325	0.00614	0.00809	0.01396	0.00979	0.02086	0.00608	0.00614
1744	494411.06	3859001.99	0.01314	0.00613	0.00815	0.0139	0.0098	0.02178	0.00607	0.00613
1745	494461.06	3859001.99	0.01303	0.00609	0.00806	0.01378	0.00977	0.02279	0.00603	0.00609
1746	494511.06	3859001.99	0.01292	0.00604	0.00796	0.01366	0.00974	0.02402	0.00599	0.00604
1747	494561.06	3859001.99	0.01278	0.00596	0.00781	0.01342	0.0096	0.02544	0.00591	0.00596
1748	494611.06	3859001.99	0.01264	0.00589	0.00767	0.0132	0.00947	0.02723	0.00584	0.00589
1749	494661.06	3859001.99	0.01248	0.0058	0.00751	0.01294	0.0093	0.02937	0.00575	0.0058
1750	494711.06	3859001.99	0.0123	0.0057	0.00734	0.01266	0.0091	0.03182	0.00566	0.0057
1751	494761.06	3859001.99	0.01216	0.00564	0.00722	0.01246	0.00899	0.03486	0.0056	0.00564
1752	494811.06	3859001.99	0.01205	0.00559	0.00713	0.01233	0.00893	0.03819	0.00555	0.00559
1753	494861.06	3859001.99	0.0119	0.00552	0.007	0.01213	0.00881	0.04018	0.00548	0.00552
1754	494911.06	3859001.99	0.01175	0.00545	0.00688	0.01192	0.00868	0.04228	0.00541	0.00545
1755	494961.06	3859001.99	0.01158	0.00538	0.00676	0.01171	0.00855	0.04481	0.00534	0.00538
1756	495011.06	3859001.99	0.01124	0.00522	0.00652	0.01127	0.00816	0.0453	0.00519	0.00522
1757	495061.06	3859001.99	0.01112	0.00518	0.00644	0.01114	0.00811	0.04844	0.00515	0.00518
1758	495111.06	3859001.99	0.01093	0.00511	0.00632	0.01094	0.00796	0.05058	0.00508	0.00511
1759	495161.06	3859001.99	0.01098	0.00513	0.00633	0.01101	0.0081	0.05565	0.0051	0.00513
1760	495211.06	3859001.99	0.0109	0.0051	0.00627	0.01092	0.00809	0.05885	0.00507	0.0051
1761	495261.06	3859001.99	0.01084	0.00508	0.00622	0.01087	0.0081	0.0622	0.00506	0.00508
1762	495311.06	3859001.99	0.01075	0.00505	0.00616	0.01078	0.00807	0.0648	0.00503	0.00505
1763	495361.06	3859001.99	0.01069	0.00503	0.00611	0.01073	0.00808	0.0677	0.00501	0.00503

0.19401873	0.000205084	1.449E-08	0.0009795	0.0067866	0.008801	0.000782	0.00075506	0.210818
0.19309571	0.000204658	1.439E-08	0.0009758	0.0067949	0.0092689	0.00078	0.00075349	0.210367
0.19161888	0.000203382	1.427E-08	0.0009674	0.00677	0.0097319	0.000777	0.00074879	0.20932
0.18958824	0.000202105	1.41E-08	0.0009562	0.0067202	0.0102421	0.00077	0.00074409	0.207735
0.1879268	0.000200829	1.396E-08	0.0009469	0.0066787	0.0109141	0.000766	0.00073939	0.206694
0.18571155	0.000199127	1.379E-08	0.0009366	0.0066206	0.0117629	0.000761	0.00073313	0.205258
0.18478853	0.000198701	1.369E-08	0.000931	0.0066124	0.0131193	0.000757	0.00073156	0.205676
0.24496942	0.000254014	1.916E-08	0.0012805	0.0080725	0.0047465	0.000966	0.00093521	0.259354
0.24386179	0.000254014	1.911E-08	0.0012824	0.0081638	0.0049207	0.000966	0.00093521	0.258514
0.24164654	0.000251887	1.887E-08	0.0012693	0.008114	0.0050825	0.000958	0.00092738	0.256395
0.23998511	0.000252312	1.909E-08	0.0012684	0.0081638	0.005309	0.00096	0.00092894	0.255009
0.23813907	0.00025061	1.887E-08	0.0012572	0.0081306	0.0055355	0.000953	0.00092268	0.253344
0.23573922	0.000248058	1.859E-08	0.0012404	0.0080477	0.0057893	0.000943	0.00091328	0.251095
0.23278556	0.000244654	1.823E-08	0.0012181	0.0079232	0.0060656	0.000932	0.00090074	0.248268
0.2300165	0.00024125	1.792E-08	0.0011976	0.0078071	0.0063917	0.000919	0.00088821	0.245685
0.22650902	0.00023742	1.748E-08	0.0011705	0.0076411	0.0067302	0.000904	0.00087411	0.242318
0.22355536	0.000234017	1.717E-08	0.00115	0.0075167	0.0071284	0.000893	0.00086158	0.239616
0.22115551	0.000231889	1.693E-08	0.0011342	0.007442	0.0075117	0.000883	0.00085375	0.237505
0.21857105	0.000229336	1.667E-08	0.0011184	0.007359	0.0077382	0.000875	0.00084435	0.235047
0.21543279	0.000226358	1.638E-08	0.0010988	0.0072429	0.0079398	0.000863	0.00083338	0.231971
0.21340214	0.00022423	1.616E-08	0.0010857	0.0071848	0.0082932	0.000855	0.00082555	0.23022
0.20878705	0.000219976	1.578E-08	0.0010587	0.006994	0.0084003	0.000841	0.00080989	0.225491
0.20435655	0.000216146	1.542E-08	0.0010335	0.0068198	0.0086218	0.000824	0.00079579	0.221076
0.20066447	0.000213168	1.513E-08	0.001014	0.0066953	0.0088981	0.000813	0.00078482	0.217513
0.20084908	0.000213593	1.509E-08	0.0010158	0.00677	0.0095327	0.000815	0.00078639	0.218409
0.19974145	0.000212742	1.497E-08	0.0010102	0.0067783	0.0100629	0.000811	0.00078326	0.217834
0.19863383	0.000211466	1.485E-08	0.0010047	0.0067783	0.0105881	0.000808	0.00077856	0.217246
0.19641858	0.000209764	1.465E-08	0.0009925	0.0067202	0.0109838	0.000801	0.00077229	0.215354
0.19549556	0.000209338	1.456E-08	0.0009879	0.0067285	0.0115339	0.000798	0.00077072	0.214983
0.19475715	0.000208487	1.446E-08	0.0009841	0.0067451	0.0121412	0.000797	0.00076759	0.214865
0.19328032	0.000207636	1.434E-08	0.0009767	0.0067285	0.0127062	0.000793	0.00076446	0.213928
0.1923573	0.000206786	1.422E-08	0.000972	0.0067285	0.0134404	0.00079	0.00076132	0.213734
0.18958824	0.000204658	1.401E-08	0.0009571	0.0066455	0.0141099	0.000782	0.00075349	0.211534
0.18755759	0.000202956	1.386E-08	0.0009459	0.0065958	0.0152474	0.000775	0.00074723	0.210578
0.18681918	0.000202531	1.377E-08	0.0009422	0.0065958	0.0172137	0.000774	0.00074566	0.211801
0.24626164	0.000262524	1.959E-08	0.0013085	0.008114	0.0050128	0.000997	0.00096654	0.26099
0.24460021	0.000261248	1.94E-08	0.001301	0.0081223	0.005192	0.000992	0.00096184	0.259507
0.24256956	0.000260822	1.955E-08	0.0012954	0.0081306	0.005421	0.000991	0.00096027	0.257708
0.24053892	0.00025912	1.933E-08	0.0012842	0.0081057	0.0056724	0.000984	0.00095401	0.255891
0.23850828	0.000256993	1.909E-08	0.0012731	0.0080808	0.0059785	0.000978	0.00094617	0.254129
0.23592382	0.000253589	1.873E-08	0.0012507	0.0079647	0.0063319	0.000965	0.00093364	0.251756
0.23333937	0.00025061	1.84E-08	0.0012302	0.0078568	0.0067775	0.000953	0.00092268	0.249485
0.23038571	0.000246781	1.801E-08	0.001206	0.0077158	0.0073101	0.000939	0.00090858	0.246894
0.22706283	0.000242526	1.76E-08	0.0011799	0.0075499	0.0079199	0.000924	0.00089291	0.243986
0.22447838	0.000239973	1.732E-08	0.0011612	0.0074586	0.0086765	0.000914	0.00088351	0.242045
0.22244774	0.000237846	1.71E-08	0.0011491	0.0074088	0.0095054	0.000906	0.00087568	0.240779
0.21967868	0.000234867	1.679E-08	0.0011305	0.0073093	0.0100007	0.000894	0.00086471	0.238384
0.21690962	0.000231889	1.65E-08	0.0011109	0.0072014	0.0105233	0.000883	0.00085375	0.236006
0.21377135	0.000228911	1.621E-08	0.0010913	0.0070936	0.0111531	0.000872	0.00084278	0.233367
0.20749482	0.000222103	1.564E-08	0.0010503	0.00677	0.011275	0.000847	0.00081772	0.226842
0.20527957	0.000220401	1.545E-08	0.0010382	0.0067285	0.0120566	0.000841	0.00081145	0.225352
0.2017721	0.000217423	1.516E-08	0.0010196	0.0066041	0.0125892	0.000829	0.00080049	0.222231
0.20269512	0.000218274	1.518E-08	0.0010261	0.0067202	0.0138511	0.000832	0.00080362	0.22454
0.20121828	0.000216997	1.504E-08	0.0010177	0.0067119	0.0146476	0.000828	0.00079892	0.223841
0.20011066	0.000216146	1.492E-08	0.001013	0.0067202	0.0154814	0.000826	0.00079579	0.223572
0.19844923	0.00021487	1.477E-08	0.0010047	0.0066953	0.0161285	0.000821	0.00079109	0.222523
0.1973416	0.000214019	1.465E-08	0.001	0.0067036	0.0168503	0.000818	0.00078796	0.222139

1764	495411.06	3859001.99	0.01062	0.00501	0.00606	0.01066	0.00807	0.07031	0.00498	0.00501	0.19604937	0.000213168	1.453E-08	0.0009935	0.0066953	0.0174999	0.000813	0.00078482	0.221479
1765	495461.06	3859001.99	0.01056	0.00499	0.00601	0.0106	0.00807	0.07323	0.00496	0.00499	0.19494175	0.000212317	1.441E-08	0.0009879	0.0066953	0.0182267	0.00081	0.00078169	0.221092
1766	495511.06	3859001.99	0.01043	0.00494	0.00593	0.01046	0.00799	0.07544	0.00492	0.00494	0.1925419	0.000210189	1.422E-08	0.0009748	0.0066289	0.0187768	0.000803	0.00077386	0.219162
1767	495561.06	3859001.99	0.01034	0.00491	0.00586	0.01036	0.00796	0.07934	0.00489	0.00491	0.19088046	0.000208913	1.405E-08	0.0009655	0.0066041	0.0197475	0.000798	0.00076916	0.218435
1768	495611.06	3859001.99	0.01025	0.00487	0.0058	0.01026	0.00791	0.08547	0.00485	0.00487	0.18921903	0.000207211	1.391E-08	0.0009562	0.0065626	0.0212732	0.000792	0.00076289	0.218247
1769	495661.06	3859001.99	0.01023	0.00487	0.00578	0.01025	0.00796	0.09832	0.00485	0.00487	0.18884982	0.000207211	1.386E-08	0.0009553	0.0066041	0.0244715	0.000792	0.00076289	0.221117
1770	494311.06	3859051.99	0.01336	0.00636	0.0083	0.0143	0.00976	0.02115	0.00628	0.00636	0.24663085	0.000270608	1.991E-08	0.0013327	0.0080974	0.0052642	0.001025	0.0009963	0.261625
1771	494361.06	3859051.99	0.01326	0.00636	0.00836	0.01426	0.00979	0.02209	0.00629	0.00636	0.24478481	0.000270608	2.005E-08	0.001329	0.0081223	0.0054981	0.001027	0.0009963	0.260035
1772	494411.06	3859051.99	0.01314	0.0063	0.00824	0.01411	0.00974	0.02302	0.00623	0.0063	0.24256956	0.000268055	1.976E-08	0.001315	0.0080808	0.0057296	0.001017	0.0009869	0.257993
1773	494461.06	3859051.99	0.01302	0.00624	0.00812	0.01393	0.00966	0.0242	0.00617	0.00624	0.24035432	0.000265502	1.947E-08	0.0012982	0.0080145	0.0060233	0.001007	0.0009775	0.255985
1774	494511.06	3859051.99	0.01289	0.00617	0.00798	0.01372	0.00956	0.02567	0.0061	0.00617	0.23795447	0.000262524	1.914E-08	0.0012786	0.0079315	0.0063892	0.000996	0.00096654	0.253845
1775	494561.06	3859051.99	0.01277	0.0061	0.00785	0.01354	0.00948	0.02767	0.00604	0.0061	0.23573922	0.000259546	1.883E-08	0.0012619	0.0078651	0.006887	0.000986	0.00095557	0.252043
1776	494611.06	3859051.99	0.01263	0.00602	0.0077	0.0133	0.00935	0.03035	0.00596	0.00602	0.23315476	0.000256142	1.847E-08	0.0012395	0.0077573	0.007554	0.000973	0.00094304	0.249992
1777	494661.06	3859051.99	0.01249	0.00593	0.00755	0.01306	0.0092	0.03397	0.00588	0.00593	0.23057031	0.000252312	1.811E-08	0.0012171	0.0076328	0.008455	0.00096	0.00092894	0.248158
1778	494711.06	3859051.99	0.01234	0.00585	0.00741	0.01284	0.00907	0.03885	0.00581	0.00585	0.22780125	0.000248908	1.777E-08	0.0011966	0.007525	0.0096696	0.000948	0.00091641	0.246473
1779	494761.06	3859051.99	0.01219	0.00577	0.00727	0.01261	0.00893	0.04519	0.00573	0.00577	0.22503219	0.000245505	1.744E-08	0.0011752	0.0074088	0.0112476	0.000935	0.00090388	0.245141
1780	494811.06	3859051.99	0.01207	0.00571	0.00716	0.01243	0.00884	0.05278	0.00567	0.00571	0.22281694	0.000242952	1.717E-08	0.0011584	0.0073342	0.0131368	0.000926	0.00089448	0.24472
1781	494861.06	3859051.99	0.01194	0.00565	0.00705	0.01225	0.00875	0.05873	0.00561	0.00565	0.22041709	0.000240399	1.691E-08	0.0011416	0.0072595	0.0146177	0.000916	0.00088508	0.243707
1782	494911.06	3859051.99	0.01177	0.00556	0.0069	0.01201	0.00859	0.06439	0.00553	0.00556	0.21727883	0.000236569	1.655E-08	0.0011193	0.0071267	0.0160265	0.000903	0.00087098	0.24182
1783	494961.06	3859051.99	0.01155	0.00545	0.00672	0.01168	0.00834	0.07064	0.00542	0.00545	0.21321754	0.000231889	1.612E-08	0.0010885	0.0069193	0.0175821	0.000885	0.00085375	0.23907
1784	495011.06	3859051.99	0.01135	0.00536	0.00658	0.01144	0.00816	0.07718	0.00533	0.00536	0.20952546	0.00022806	1.578E-08	0.0010662	0.00677	0.0192098	0.00087	0.00083965	0.23683
1785	495061.06	3859051.99	0.0112	0.0053	0.00647	0.01126	0.00805	0.08338	0.00527	0.0053	0.2067564	0.000225507	1.552E-08	0.0010494	0.0066787	0.020753	0.00086	0.00083025	0.235493
1786	495111.06	3859051.99	0.01109	0.00525	0.00639	0.01114	0.008	0.08963	0.00523	0.00525	0.20472576	0.000223379	1.533E-08	0.0010382	0.0066372	0.0223086	0.000854	0.00082242	0.234964
1787	495161.06	3859051.99	0.01107	0.00525	0.00637	0.01115	0.00808	0.09864	0.00523	0.00525	0.20435655	0.000223379	1.528E-08	0.0010391	0.0067036	0.0245512	0.000854	0.00082242	0.236905
1788	495211.06	3859051.99	0.01096	0.00521	0.00629	0.01102	0.00802	0.10217	0.00518	0.00521	0.20232591	0.000221677	1.509E-08	0.001027	0.0066538	0.0254298	0.000846	0.00081615	0.235688
1789	495261.06	3859051.99	0.01092	0.0052	0.00625	0.01099	0.00806	0.1088	0.00517	0.0052	0.20158749	0.000221252	1.499E-08	0.0010242	0.006687	0.02708	0.000844	0.00081459	0.236629
1790	495311.06	3859051.99	0.01082	0.00516	0.00618	0.01089	0.00803	0.11153	0.00514	0.00516	0.19974145	0.00021955	1.482E-08	0.0010149	0.0066621	0.0277594	0.000839	0.00080832	0.235428
1791	495361.06	3859051.99	0.01075	0.00514	0.00613	0.01082	0.00802	0.11513	0.00511	0.00514	0.19844923	0.000218699	1.47E-08	0.0010084	0.0066538	0.0286555	0.000834	0.00080519	0.235015
1792	495411.06	3859051.99	0.01069	0.00512	0.00609	0.01078	0.00804	0.11966	0.0051	0.00512	0.1973416	0.000217848	1.461E-08	0.0010047	0.0066704	0.029783	0.000832	0.00080205	0.235048
1793	495461.06	3859051.99	0.01063	0.0051	0.00605	0.01073	0.00805	0.12372	0.00508	0.0051	0.19623398	0.000216997	1.451E-08	0.001	0.0066787	0.0307935	0.000829	0.00079892	0.234953
1794	495511.06	3859051.99	0.01051	0.00505	0.00596	0.01059	0.00797	0.12422	0.00503	0.00505	0.19401873	0.00021487	1.429E-08	0.0009869	0.0066124	0.0309179	0.000821	0.00079109	0.232781
1795	495561.06	3859051.99	0.01041	0.00501	0.00589	0.01047	0.00791	0.12742	0.00499	0.00501	0.19217269	0.000213168	1.413E-08	0.0009758	0.0065626	0.0317144	0.000815	0.00078482	0.231668
1796	495611.06	3859051.99	0.01031	0.00497	0.00582	0.01036	0.00786	0.13438	0.00495	0.00497	0.19032665	0.000211466	1.396E-08	0.0009655	0.0065211	0.0334467	0.000808	0.00077856	0.231501
1797	495661.06	3859051.99	0.01028	0.00497	0.0058	0.01035	0.00791	0.15521	0.00495	0.00497	0.18977284	0.000211466	1.391E-08	0.0009646	0.0065626	0.0386312	0.000808	0.00077856	0.236172
1798	494311.06	3859101.99	0.01335	0.00659	0.00854	0.0146	0.00972	0.02231	0.0065	0.00659	0.24644625	0.000280394	2.048E-08	0.0013607	0.0080643	0.0055529	0.001061	0.00103233	0.261733
1799	494361.06	3859101.99	0.01323	0.00653	0.00843	0.01445	0.00968	0.02321	0.00645	0.00653	0.244231	0.000277841	2.022E-08	0.0013467	0.0080311	0.0057769	0.001053	0.00102293	0.259693
1800	494411.06	3859101.99	0.01312	0.00649	0.00832	0.01432	0.00965	0.02428	0.0064	0.00649	0.24220036	0.000276139	1.995E-08	0.0013346	0.0080062	0.0060432	0.001045	0.00101667	0.257888
1801	494461.06	3859101.99	0.013	0.00642	0.00819	0.01413	0.00958	0.0256	0.00634	0.00642	0.23998511	0.000273161	1.964E-08	0.0013169	0.0079481	0.0063718	0.001035	0.0010057	0.255924
1802	494511.06	3859101.99	0.01287	0.00632	0.00803	0.01388	0.00946	0.02731	0.00625	0.00632	0.23758526	0.000268906	1.926E-08	0.0012936	0.0078485	0.0067974	0.00102	0.00099004	0.253824
1803	494561.06	3859101.99	0.01275	0.00625	0.00789	0.01368	0.00937	0.02976	0.00618	0.00625	0.23537001	0.000265928	1.892E-08	0.0012749	0.0077739	0.0074072	0.001009	0.00097907	0.252122
1804	494611.06	3859101.99	0.0126	0.00615	0.00772	0.01339	0.00921	0.03327	0.00609	0.00615	0.23260095	0.000261673	1.852E-08	0.0012479	0.0076411	0.0082808	0.000994	0.0009634	0.250063
1805	494661.06	3859101.99	0.01248	0.00608	0.00759	0.0132	0.00912	0.03868	0.00602	0.00608	0.23038571	0.000258695	1.82E-08	0.0012302	0.0075665	0.0096273	0.000983	0.00095244	0.249099
1806	494711.06	3859101.99	0.01232	0.00597	0.00741	0.0129	0.00892	0.04722	0.00592	0.00597	0.22743204	0.000254014	1.777E-08	0.0012022	0.0074005	0.0117529	0.000966	0.00093521	0.248073
1807	494761.06	3859101.99	0.01221	0.00593	0.00732	0.01278	0.0089	0.06235	0.00588	0.00593	0.2254014	0.000252312	1.756E-08	0.001191	0.0073839	0.0155187	0.00096	0.00092894	0.249778
1808	494811.06	3859101.99	0.01208	0.00585	0.00719	0.01257	0.00878	0.08703	0.00581	0.00585	0.22300155	0.000248908	1.724E-08	0.0011715	0.0072844	0.0216615	0.000948	0.00091641	0.2534
1809	494861.06	3859101.99	0.01195	0.00578	0.00707	0.01237	0.00868	0.11316	0.00574	0.00578	0.2206017	0.00024593	1.696E-08	0.0011528	0.0072014	0.0281651	0.000937	0.00090544	0.257399
1810	494911.06	3859101.99	0.01179	0.00569	0.00691	0.01212	0.00851	0.14013	0.00565	0.00569	0.21764803	0.000242101	1.657E-08	0.0011295	0.0070604	0.0348779	0.000922	0.00089135	0.260989
1811	494961.06	3859101.99	0.01157	0.00557	0.00673	0.01177	0.00825	0.16632	0.00553	0.00557	0.21358675	0.000236995	1.614E-08	0.0010969	0.0068447	0.0413965	0.000903	0.00087255	0.263192
1812	495011.06	3859101.99	0.01132	0.00544	0.00654	0.01142	0.00798	0.18107	0.00541	0.00544	0.20897165	0.000231464	1.569E-08	0.0010643	0.0066206	0.0450677	0.000883	0.00085218	0.261987
1813	495061.06	3859101.99	0.01126	0.00542	0.00649	0.01137	0.00801	0.20613	0.00539	0.00542	0.20786403	0.000230613	1.557E-08	0.0010596	0.0066455	0.0513051	0.00088	0.00084905	0.267136
1814	495111.06	3859101.99	0.01115	0.00537	0.00641	0.01124	0.00795	0.2179	0.00534	0.00537	0.20583338	0.000228485	1.537E-08	0.0010475	0.0065958	0.0542346	0.000872	0.00084122	0.26797
1815	495161.06	3859101.99	0.01112	0.00537	0.00639	0.01125	0.00803	0.23465	0.00534	0.00537	0.20527957	0.000228485	1.533E-08	0.0010485	0.0066621	0.0584036	0.000872	0.00084122	0.271653
1816	495211.06	3859101.99	0.01101	0.00533	0.00631	0.01113	0.00797	0.23976	0.0053	0.00533	0.20324893	0.000226783	1.513E-08	0.0010373	0.0066124	0.0596755	0.000865	0.00083495	0.270831
1817	495261.06	3859101.99	0.01095	0.00531	0.00626	0.01108	0.008	0.24933	0.00528	0.00531	0.2021413	0.000225932	1.501E-08	0.0010326	0.0066372	0.0620574	0.000862	0.00083182	0.272125
1818	495311.06	3859101.99	0.01089	0.00527	0.0062	0.01099	0.00799	0.2588	0.00525	0.00527	0.20103368	0.00022423	1.487E-08	0.0010242	0.0066289	0.0644144	0.000857	0.00082555	0.273357
1819	495361.06	3859101.99	0.01082	0.00527	0.00617	0.01097	0.00802	0.264	0.00524	0.00527	0.19974145	0.00022423	1.48E-08	0.0010224	0.0066538	0.0657087	0.000855	0.00082555	0.27338
1820	495411.06	3859101.99	0.01075	0.00524	0.00612	0.01091	0.00802	0.26943	0.00522	0.00524	0.19844923	0.000222954	1.468E-08	0.0010168	0.0066538	0.0670602	0.000852	0.00082085	0.273434

1821	495461.06	3859101.99	0.01067	0.00519	0.00603	0.01079	0.00796	0.27573	0.00516	0.00519	0.19697239	0.000220826	1.446E-08	0.0010056	0.0066041	0.0686283	0.000842	0.00081302	0.27346
1822	495511.06	3859101.99	0.01059	0.00516	0.00598	0.01071	0.00795	0.28157	0.00514	0.00516	0.19549556	0.00021955	1.434E-08	0.0009981	0.0065958	0.0700818	0.000839	0.00080832	0.273422
1823	495561.06	3859101.99	0.01047	0.00513	0.00592	0.01061	0.0079	0.28147	0.00511	0.00513	0.19328032	0.000218274	1.42E-08	0.0009888	0.0065543	0.0700569	0.000834	0.00080362	0.271129
1824	495611.06	3859101.99	0.01037	0.00509	0.00585	0.01048	0.00784	0.28633	0.00507	0.00509	0.19143428	0.000216572	1.403E-08	0.0009767	0.0065045	0.0712666	0.000828	0.00079735	0.270429
1825	495661.06	3859101.99	0.01031	0.00507	0.00581	0.01044	0.00785	0.31259	0.00505	0.00507	0.19032665	0.000215721	1.393E-08	0.000973	0.0065128	0.0778026	0.000824	0.00079422	0.275861
1826	494311.06	3859151.99	0.01331	0.00678	0.0086	0.01483	0.0096	0.0235	0.00667	0.00678	0.24570783	0.000288479	2.063E-08	0.0013821	0.0079647	0.0058491	0.001089	0.0010621	0.261219
1827	494361.06	3859151.99	0.0132	0.00673	0.0085	0.01471	0.00959	0.02457	0.00663	0.00673	0.24367719	0.000286351	2.039E-08	0.0013709	0.0079564	0.0061154	0.001082	0.00105426	0.259434
1828	494411.06	3859151.99	0.01307	0.00665	0.00835	0.01448	0.00951	0.02562	0.00656	0.00665	0.24127734	0.000282947	2.003E-08	0.0013495	0.00789	0.0063767	0.001071	0.00104173	0.257206
1829	494461.06	3859151.99	0.01295	0.00657	0.0082	0.01426	0.00942	0.02702	0.00648	0.00657	0.23906209	0.000279543	1.967E-08	0.001329	0.0078154	0.0067252	0.001058	0.0010292	0.25524
1830	494511.06	3859151.99	0.01282	0.00647	0.00803	0.01398	0.0093	0.02889	0.00639	0.00647	0.23666224	0.000275289	1.926E-08	0.0013029	0.0077158	0.0071906	0.001043	0.00101353	0.253176
1831	494561.06	3859151.99	0.01271	0.0064	0.00791	0.01381	0.00924	0.03171	0.00632	0.0064	0.2346316	0.00027231	1.897E-08	0.001287	0.007666	0.0078925	0.001032	0.00100257	0.251779
1832	494611.06	3859151.99	0.01257	0.0063	0.00774	0.01354	0.00911	0.03587	0.00623	0.0063	0.23204714	0.000268055	1.856E-08	0.0012619	0.0075582	0.0089279	0.001017	0.0009869	0.250093
1833	494661.06	3859151.99	0.01245	0.00623	0.00762	0.01336	0.00903	0.04256	0.00617	0.00623	0.22983189	0.000265077	1.828E-08	0.0012451	0.0074918	0.010593	0.001007	0.00097594	0.249458
1834	494711.06	3859151.99	0.01234	0.00617	0.00751	0.0132	0.00897	0.05425	0.00611	0.00617	0.22780125	0.000262524	1.801E-08	0.0012302	0.007442	0.0135026	0.000997	0.00096654	0.250269
1835	494761.06	3859151.99	0.01219	0.00607	0.00734	0.01291	0.00881	0.07897	0.00601	0.00607	0.22503219	0.000258269	1.76E-08	0.0012032	0.0073093	0.0196554	0.000981	0.00095087	0.253488
1836	494811.06	3859151.99	0.01206	0.00598	0.0072	0.01267	0.00867	0.14981	0.00593	0.00598	0.22263234	0.00025444	1.727E-08	0.0011808	0.0071931	0.0372872	0.000968	0.00093677	0.268579
1837	494861.06	3859151.99	0.01194	0.00592	0.00709	0.0125	0.0086	0.27244	0.00587	0.00592	0.22041709	0.000251887	1.7E-08	0.0011649	0.007135	0.0678094	0.000958	0.00092738	0.296809
1838	494911.06	3859151.99	0.01178	0.00581	0.00693	0.01221	0.00842	0.54844	0.00577	0.00581	0.21746343	0.000247207	1.662E-08	0.0011379	0.0069857	0.1365049	0.000942	0.00091014	0.362371
1839	494961.06	3859151.99	0.01159	0.00567	0.00673	0.01184	0.00817	0.54368	0.00564	0.00567	0.21395596	0.00024125	1.614E-08	0.0011034	0.0067783	0.1353201	0.000921	0.00088821	0.357431
1840	495011.06	3859151.99	0.01136	0.00557	0.00655	0.01154	0.00793	0.587	0.00553	0.00557	0.20971006	0.000236995	1.571E-08	0.0010755	0.0065792	0.1461023	0.000903	0.00087255	0.363734
1841	495061.06	3859151.99	0.01128	0.00554	0.00649	0.01146	0.00793	0.55593	0.0055	0.00554	0.20823323	0.000235718	1.557E-08	0.001068	0.0065792	0.1383691	0.000898	0.00086785	0.354515
1842	495111.06	3859151.99	0.01119	0.0055	0.00642	0.01136	0.00791	0.55292	0.00547	0.0055	0.2065718	0.000234017	1.54E-08	0.0010587	0.0065626	0.1376199	0.000893	0.00086158	0.352078
1843	495161.06	3859151.99	0.01115	0.0055	0.0064	0.01137	0.00798	0.52417	0.00547	0.0055	0.20583338	0.000234017	1.535E-08	0.0010596	0.0066206	0.1304641	0.000893	0.00086158	0.344243
1844	495211.06	3859151.99	0.01107	0.00546	0.00634	0.01128	0.00797	0.58909	0.00543	0.00546	0.20435655	0.000232315	1.521E-08	0.0010512	0.0066124	0.1466225	0.000886	0.00085532	0.358906
1845	495261.06	3859151.99	0.01098	0.00543	0.00628	0.01119	0.00796	0.52325	0.0054	0.00543	0.20269512	0.000231038	1.506E-08	0.0010429	0.0066041	0.1302351	0.000881	0.00085062	0.340839
1846	495311.06	3859151.99	0.01091	0.0054	0.00622	0.01112	0.00795	0.50205	0.00537	0.0054	0.20140289	0.000229762	1.492E-08	0.0010363	0.0065958	0.1249585	0.000877	0.00084592	0.334254
1847	495361.06	3859151.99	0.01083	0.00537	0.00617	0.01104	0.00794	0.53135	0.00534	0.00537	0.19992606	0.000228485	1.48E-08	0.0010289	0.0065875	0.1322512	0.000872	0.00084122	0.340053
1848	495411.06	3859151.99	0.01079	0.00537	0.00615	0.01104	0.008	0.49664	0.00534	0.00537	0.19918764	0.000228485	1.475E-08	0.0010289	0.0066372	0.123612	0.000872	0.00084122	0.330725
1849	495461.06	3859151.99	0.01071	0.00534	0.0061	0.01097	0.00799	0.51772	0.00531	0.00534	0.19771081	0.000227209	1.463E-08	0.0010224	0.0066289	0.1288588	0.000867	0.00083652	0.334478
1850	495511.06	3859151.99	0.0106	0.00529	0.00601	0.01083	0.00792	0.50624	0.00527	0.00529	0.19568017	0.000225081	1.441E-08	0.0010093	0.0065709	0.1260014	0.00086	0.00082868	0.329518
1851	495561.06	3859151.99	0.01051	0.00525	0.00594	0.01072	0.00788	0.4879	0.00523	0.00525	0.19401873	0.000223379	1.425E-08	0.0009991	0.0065377	0.1214367	0.000854	0.00082242	0.323247
1852	495611.06	3859151.99	0.01042	0.00521	0.00588	0.01063	0.00784	0.4633	0.00519	0.00521	0.1923573	0.000221677	1.41E-08	0.0009907	0.0065045	0.1153138	0.000847	0.00081615	0.315419
1853	495661.06	3859151.99	0.01034	0.00518	0.00582	0.01054	0.00781	0.42989	0.00516	0.00518	0.19088046	0.000220401	1.396E-08	0.0009823	0.0064796	0.1069982	0.000842	0.00081145	0.305592
1854	494311.06	3859201.99	0.01325	0.00698	0.00869	0.01506	0.00946	0.02503	0.00686	0.00698	0.24460021	0.000296988	2.084E-08	0.0014035	0.0078485	0.0062299	0.00112	0.00109343	0.260405
1855	494361.06	3859201.99	0.01313	0.00692	0.00857	0.01489	0.00942	0.02622	0.0068	0.00692	0.24238496	0.000294435	2.055E-08	0.0013877	0.0078154	0.0065261	0.00111	0.00108403	0.258434
1856	494411.06	3859201.99	0.01301	0.00684	0.00838	0.01468	0.00936	0.02741	0.00672	0.00684	0.24016971	0.000291031	2.01E-08	0.0013681	0.0077656	0.0068223	0.001097	0.00107149	0.256442
1857	494461.06	3859201.99	0.01289	0.00673	0.00821	0.01439	0.00926	0.02884	0.00663	0.00673	0.23795447	0.000286351	1.969E-08	0.0013411	0.0076826	0.0071782	0.001082	0.00105426	0.254471
1858	494511.06	3859201.99	0.01277	0.00665	0.00808	0.0142	0.0092	0.03093	0.00656	0.00665	0.23573922	0.000282947	1.938E-08	0.0013234	0.0076328	0.0076984	0.001071	0.00104173	0.252706
1859	494561.06	3859201.99	0.01264	0.00655	0.0079	0.01391	0.00908	0.0339	0.00646	0.00655	0.23333937	0.000278692	1.895E-08	0.0012964	0.0075333	0.0084376	0.001054	0.00102607	0.250914
1860	494611.06	3859201.99	0.01252	0.00646	0.00776	0.01368	0.00899	0.03847	0.00638	0.00646	0.23112412	0.000274863	1.861E-08	0.0012749	0.0074586	0.0095751	0.001041	0.00101197	0.249737
1861	494661.06	3859201.99	0.0124	0.00639	0.00763	0.01349	0.00892	0.04571	0.00631	0.00639	0.22890887	0.000271885	1.83E-08	0.0012572	0.0074005	0.0113771	0.00103	0.001001	0.249245
1862	494711.06	3859201.99	0.01229	0.00631	0.00751	0.01331	0.00884	0.05824	0.00624	0.00631	0.22687823	0.000268481	1.801E-08	0.0012404	0.0073342	0.0144957	0.001019	0.00098847	0.250247
1863	494761.06	3859201.99	0.01215	0.00621	0.00735	0.01303	0.0087	0.08453	0.00614	0.00621	0.22429378	0.000264226	1.763E-08	0.0012143	0.007218	0.0210392	0.001002	0.0009728	0.254059
1864	494811.06	3859201.99	0.01202	0.00612	0.00721	0.0128	0.00859	0.1558	0.00606	0.00612	0.22189392	0.000260397	1.729E-08	0.0011929	0.0071267	0.0387781	0.000989	0.00095871	0.269283
1865	494861.06	3859201.99	0.01189	0.00601	0.00705	0.01252	0.00845	0.29106	0.00596	0.00601	0.21949407	0.000255716	1.691E-08	0.0011668	0.0070106	0.0724438	0.000973	0.00094147	0.300402
1866	494911.06	3859201.99	0.01172	0.00591	0.00688	0.01223	0.00826	0.23672	0.00587	0.00591	0.21635581	0.000251461	1.65E-08	0.0011398	0.006853	0.0589188	0.000958	0.00092581	0.283551
1867	494961.06	3859201.99	0.01155	0.0058	0.00671	0.01192	0.00805	0.18118	0.00575	0.0058	0.21321754	0.000246781	1.609E-08	0.0011109	0.0066787	0.0450951	0.000939	0.00090858	0.266379
1868	495011.06	3859201.99	0.01132	0.00565	0.00651	0.01153	0.00777	0.15983	0.00562	0.00565	0.20897165	0.000240399	1.561E-08	0.0010745	0.0064464	0.0397811	0.000917	0.00088508	0.256546
1869	495061.06	3859201.99	0.01131	0.00568	0.00651	0.0116	0.0079	0.15538	0.00564	0.00568	0.20878705	0.000241675	1.561E-08	0.0010811	0.0065543	0.0386736	0.000921	0.00088978	0.255368
1870	495111.06	3859201.99	0.01124	0.00565	0.00647	0.01154	0.00792	0.15175	0.00562	0.00565	0.20749482	0.000240399	1.552E-08	0.0010755	0.0065709	0.0377701	0.000917	0.00088508	0.253184
1871	495161.06	3859201.99	0.01116	0.00562	0.00641	0.01147	0.00793	0.14967	0.00559	0.00562	0.20601799	0.000239122	1.537E-08	0.001069	0.0065792	0.0372524	0.000912	0.00088038	0.25119
1872	495211.06	3859201.99	0.01106	0.00558	0.00633	0.01135	0.00789	0.14909	0.00554	0.00558	0.20417195	0.00023742	1.518E-08	0.0010578	0.006546	0.037108	0.000904	0.00087411	0.249151
1873	495261.06	3859201.99	0.01099	0.00556	0.00629	0.0113	0.00791	0.14696	0.00552	0.00556	0.20287972	0.000236569	1.509E-08	0.0010531	0.0065626	0.0365778	0.000901	0.00087098	0.24734
1874	495311.06	3859201.99	0.01091	0.00553	0.00624	0.01123	0.00791	0.14549	0.0055	0.00553	0.20140289	0.000235293	1.497E-08	0.0010466	0.0065626	0.036212	0.000898	0.00086628	0.245491
1875	495361.06	3859201.99	0.01084	0.0055	0.00619	0.01117	0.00792	0.14375	0.00547	0.0055	0.20011066	0.000234017	1.485E-08	0.001041	0.0065709	0.0357789	0.000893	0.00086158	0.243767
1876	495411.06	3859201.99	0.01079	0.00549	0.00616	0.01115	0.00796	0.1407	0.00546	0.00549	0.19918764	0.000233591	1.477E-08	0.0010391	0.0066041	0.0350198	0.000891	0.00086002	0.242115
1877	495461.06	3859201.99	0.0107	0.00546	0.0061	0.01106	0.00794	0.13922	0.00543	0.00546	0.19752621	0.000232315	1.463E-08	0.0010307	0.0065875	0.0346514	0.000886	0.00085532	0.240059

1878	495511.06	3859201.99	0.01062	0.00542	0.00604	0.01097	0.00792	0.137	0.0054	0.00542	0.19604937	0.000230613	1.449E-08	0.0010224	0.0065709	0.0340988	0.000881	0.00084905	0.238004
1879	495561.06	3859201.99	0.01051	0.00537	0.00595	0.01083	0.00784	0.13558	0.00534	0.00537	0.19401873	0.000228485	1.427E-08	0.0010093	0.0065045	0.0337454	0.000872	0.00084122	0.235537
1880	495611.06	3859201.99	0.01042	0.00532	0.00588	0.01071	0.00779	0.13167	0.0053	0.00532	0.1923573	0.000226358	1.41E-08	0.0009981	0.006463	0.0327722	0.000865	0.00083338	0.232849
1881	495661.06	3859201.99	0.01034	0.00529	0.00583	0.01062	0.00776	0.12448	0.00527	0.00529	0.19088046	0.000225081	1.398E-08	0.0009897	0.0064381	0.0309826	0.00086	0.00082868	0.229548
1882	494311.06	3859251.99	0.01318	0.00718	0.00871	0.01529	0.0093	0.02699	0.00704	0.00718	0.24330798	0.000305498	2.089E-08	0.001425	0.0077158	0.0067177	0.001149	0.00112476	0.259496
1883	494361.06	3859251.99	0.01306	0.0071	0.00856	0.01505	0.00924	0.02831	0.00696	0.0071	0.24109273	0.000302094	2.053E-08	0.0014026	0.007666	0.0070463	0.001136	0.00111222	0.257534
1884	494411.06	3859251.99	0.01294	0.00698	0.00838	0.01476	0.00915	0.02952	0.00686	0.00698	0.23887749	0.000296988	2.01E-08	0.0013756	0.0075913	0.0073474	0.00112	0.00109343	0.255515
1885	494461.06	3859251.99	0.01281	0.00691	0.00824	0.01455	0.0091	0.03106	0.00679	0.00691	0.23647763	0.00029401	1.976E-08	0.001356	0.0075499	0.0077307	0.001108	0.00108246	0.253434
1886	494511.06	3859251.99	0.01268	0.00678	0.00802	0.01424	0.00899	0.03304	0.00667	0.00678	0.23407778	0.000288479	1.923E-08	0.0013271	0.0074586	0.0082235	0.001089	0.0010621	0.251402
1887	494561.06	3859251.99	0.01257	0.0067	0.00789	0.01403	0.00892	0.0361	0.0066	0.0067	0.23204714	0.000285075	1.892E-08	0.0013075	0.0074005	0.0089852	0.001077	0.00104956	0.250053
1888	494611.06	3859251.99	0.01245	0.0066	0.00773	0.01377	0.00882	0.0406	0.00651	0.0066	0.22983189	0.00028082	1.854E-08	0.0012833	0.0073176	0.0101052	0.001063	0.0010339	0.248848
1889	494661.06	3859251.99	0.01234	0.00654	0.00762	0.01362	0.00878	0.04763	0.00645	0.00654	0.22780125	0.000278267	1.828E-08	0.0012693	0.0072844	0.0118549	0.001053	0.0010245	0.248517
1890	494711.06	3859251.99	0.01222	0.00646	0.0075	0.01342	0.00872	0.05966	0.00638	0.00646	0.225586	0.000274863	1.799E-08	0.0012507	0.0072346	0.0148492	0.001041	0.00101197	0.249225
1891	494761.06	3859251.99	0.01208	0.0063	0.00727	0.01299	0.0085	0.08493	0.00622	0.0063	0.22300155	0.000268055	1.744E-08	0.0012106	0.0070521	0.0211388	0.001015	0.0009869	0.252699
1892	494811.06	3859251.99	0.01197	0.00627	0.00719	0.01291	0.00848	0.15005	0.0062	0.00627	0.2209709	0.000266779	1.724E-08	0.0012032	0.0070355	0.0373469	0.001012	0.0009822	0.266853
1893	494861.06	3859251.99	0.01183	0.00611	0.00699	0.01253	0.00828	0.29556	0.00605	0.00611	0.21838645	0.000259971	1.676E-08	0.0011677	0.0068695	0.0735639	0.000988	0.00095714	0.300278
1894	494911.06	3859251.99	0.01166	0.00602	0.00682	0.01224	0.00809	0.20761	0.00596	0.00602	0.21524818	0.000256142	1.636E-08	0.0011407	0.0067119	0.0516734	0.000973	0.00094304	0.27506
1895	494961.06	3859251.99	0.01154	0.00594	0.00671	0.01206	0.00801	0.14629	0.00589	0.00594	0.21303294	0.000252738	1.609E-08	0.0011239	0.0066455	0.0364111	0.000961	0.00093051	0.257497
1896	495011.06	3859251.99	0.01141	0.00586	0.00659	0.01185	0.0079	0.11827	0.00582	0.00586	0.21063308	0.000249334	1.581E-08	0.0011044	0.0065543	0.029437	0.00095	0.00091798	0.24801
1897	495061.06	3859251.99	0.01134	0.00584	0.00655	0.01181	0.00793	0.1057	0.0058	0.00584	0.20934086	0.000248483	1.571E-08	0.0011006	0.0065792	0.0263084	0.000947	0.00091484	0.243609
1898	495111.06	3859251.99	0.01124	0.0058	0.00648	0.0117	0.0079	0.0979	0.00576	0.0058	0.20749482	0.000246781	1.554E-08	0.0010904	0.0065543	0.024367	0.00094	0.00090858	0.239785
1899	495161.06	3859251.99	0.01116	0.00577	0.00642	0.01161	0.00791	0.09308	0.00572	0.00577	0.20601799	0.000245505	1.54E-08	0.001082	0.0065626	0.0231673	0.000934	0.00090388	0.237105
1900	495211.06	3859251.99	0.01106	0.00572	0.00634	0.0115	0.00787	0.08985	0.00568	0.00572	0.20417195	0.000243377	1.521E-08	0.0010718	0.0065294	0.0223634	0.000927	0.00089604	0.234411
1901	495261.06	3859251.99	0.011	0.00567	0.00628	0.01141	0.00788	0.08728	0.00564	0.00567	0.20306432	0.00024125	1.506E-08	0.0010634	0.0065377	0.0217237	0.000921	0.00088821	0.232663
1902	495311.06	3859251.99	0.01091	0.00567	0.00625	0.01138	0.0079	0.08563	0.00563	0.00567	0.20140289	0.00024125	1.499E-08	0.0010606	0.0065543	0.021313	0.000919	0.00088821	0.230603
1903	495361.06	3859251.99	0.01083	0.00563	0.00619	0.01129	0.00788	0.08411	0.0056	0.00563	0.19992606	0.000239548	1.485E-08	0.0010522	0.0065377	0.0209347	0.000914	0.00088195	0.228722
1904	495411.06	3859251.99	0.01077	0.00562	0.00616	0.01126	0.00792	0.08247	0.00559	0.00562	0.19881843	0.000239122	1.477E-08	0.0010494	0.0065709	0.0205265	0.000912	0.00088038	0.227236
1905	495461.06	3859251.99	0.01069	0.00559	0.0061	0.01118	0.0079	0.08107	0.00555	0.00559	0.1973416	0.000237846	1.463E-08	0.0010419	0.0065543	0.020178	0.000906	0.00087568	0.225384
1906	495511.06	3859251.99	0.01058	0.00553	0.00601	0.01102	0.00783	0.07984	0.0055	0.00553	0.19531096	0.000235293	1.441E-08	0.001027	0.0064962	0.0198719	0.000898	0.00086628	0.222973
1907	495561.06	3859251.99	0.0105	0.00549	0.00595	0.01092	0.00779	0.07798	0.00546	0.00549	0.19383413	0.000233591	1.427E-08	0.0010177	0.006463	0.019409	0.000891	0.00086002	0.220989
1908	495611.06	3859251.99	0.0104	0.00543	0.00587	0.01079	0.00773	0.076	0.00541	0.00543	0.19198809	0.000231038	1.408E-08	0.0010056	0.0064132	0.0189161	0.000883	0.00085062	0.218587
1909	495661.06	3859251.99	0.01031	0.0054	0.00581	0.01069	0.00769	0.0731	0.00537	0.0054	0.19032665	0.000229762	1.393E-08	0.0009963	0.00638	0.0181943	0.000877	0.00084592	0.216158
1910	494311.06	3859301.99	0.01309	0.00738	0.0087	0.01548	0.00911	0.02938	0.00723	0.00738	0.24164654	0.000314008	2.087E-08	0.0014427	0.0075582	0.0073126	0.00118	0.00115609	0.258298
1911	494361.06	3859301.99	0.01297	0.00728	0.00855	0.01523	0.00906	0.0309	0.00714	0.00728	0.2394313	0.000309753	2.051E-08	0.0014194	0.0075167	0.0076909	0.001165	0.00114042	0.256393
1912	494411.06	3859301.99	0.01284	0.00717	0.00836	0.01493	0.00898	0.03229	0.00703	0.00717	0.23703145	0.000305072	2.005E-08	0.0013914	0.0074503	0.0080369	0.001147	0.00112319	0.254239
1913	494461.06	3859301.99	0.01272	0.00705	0.00819	0.01464	0.00889	0.03366	0.00693	0.00705	0.2348162	0.000299967	1.964E-08	0.0013644	0.0073756	0.0083779	0.001131	0.00110439	0.252261
1914	494511.06	3859301.99	0.0126	0.00695	0.00803	0.01437	0.00882	0.03561	0.00683	0.00695	0.23260095	0.000295712	1.926E-08	0.0013392	0.0073176	0.0088632	0.001115	0.00108873	0.250443
1915	494561.06	3859301.99	0.01248	0.00687	0.0079	0.01416	0.00876	0.03864	0.00676	0.00687	0.23038571	0.000292308	1.895E-08	0.0013197	0.0072678	0.0096174	0.001103	0.00107619	0.24891
1916	494611.06	3859301.99	0.01236	0.00678	0.00772	0.01393	0.00869	0.04305	0.00667	0.00678	0.22817046	0.000288479	1.852E-08	0.0012982	0.0072097	0.010715	0.001089	0.0010621	0.247709
1917	494661.06	3859301.99	0.01225	0.00669	0.00758	0.01371	0.00863	0.04979	0.00659	0.00669	0.22613981	0.000284649	1.818E-08	0.0012777	0.0071599	0.0123926	0.001076	0.001048	0.247282
1918	494711.06	3859301.99	0.01213	0.00659	0.00744	0.01346	0.00854	0.06147	0.0065	0.00659	0.22392457	0.000280394	1.784E-08	0.0012544	0.0070853	0.0152997	0.001061	0.00103233	0.247873
1919	494761.06	3859301.99	0.01202	0.0065	0.0073	0.01324	0.00846	0.0849	0.00642	0.0065	0.22189392	0.000276565	1.751E-08	0.0012339	0.0070189	0.0211313	0.001048	0.00101823	0.251584
1920	494811.06	3859301.99	0.01189	0.00639	0.00714	0.01295	0.00833	0.14681	0.00631	0.00639	0.21949407	0.000271885	1.712E-08	0.0012069	0.006911	0.0365405	0.00103	0.001001	0.264453
1921	494861.06	3859301.99	0.01174	0.00625	0.00694	0.01259	0.00813	0.20515	0.00618	0.00625	0.21672501	0.000265928	1.664E-08	0.0011733	0.0067451	0.0510611	0.001009	0.00097907	0.276
1922	494911.06	3859301.99	0.01163	0.00617	0.00682	0.01238	0.00804	0.20928	0.0061	0.00617	0.21469437	0.000262524	1.636E-08	0.0011538	0.0066704	0.0520891	0.000996	0.00096654	0.274899
1923	494961.06	3859301.99	0.01147	0.00603	0.00662	0.01202	0.00783	0.1372	0.00597	0.00603	0.21174071	0.000256567	1.588E-08	0.0011202	0.0064962	0.0341486	0.000974	0.00094461	0.253792
1924	495011.06	3859301.99	0.01136	0.00596	0.00653	0.01186	0.00777	0.10829	0.00591	0.00596	0.20971006	0.000253589	1.566E-08	0.0011053	0.0064464	0.026953	0.000965	0.00093364	0.244499
1925	495061.06	3859301.99	0.01132	0.00598	0.00654	0.01193	0.0079	0.0949	0.00593	0.00598	0.20897165	0.00025444	1.569E-08	0.0011118	0.0065543	0.0236203	0.000968	0.00093677	0.240544
1926	495111.06	3859301.99	0.0112	0.00591	0.00643	0.01174	0.0078	0.08424	0.00586	0.00591	0.2067564	0.000251461	1.542E-08	0.0010941	0.0064713	0.0209671	0.000957	0.00092581	0.235571
1927	495161.06	3859301.99	0.01111	0.00588	0.00638	0.01167	0.0078	0.07784	0.00584	0.00588	0.20509497	0.000250185	1.53E-08	0.0010876	0.0064713	0.0193741	0.000953	0.00092111	0.23231
1928	495211.06	3859301.99	0.01105	0.00587	0.00635	0.01165	0.00786	0.07354	0.00583	0.00587	0.20398734	0.000249759	1.523E-08	0.0010857	0.0065211	0.0183039	0.000952	0.00091954	0.23018
1929	495261.06	3859301.99	0.01097	0.00585	0.00631	0.0116	0.00787	0.07017	0.0058	0.00585	0.20251051	0.000248908	1.513E-08	0.0010811	0.0065294	0.0174651	0.000947	0.00091641	0.227865
1930	495311.06	3859301.99	0.01087	0.00579	0.00622	0.01145	0.00781	0.06739	0.00575	0.00579	0.20066447	0.000246356	1.492E-08	0.0010671	0.0064796	0.0167731	0.000939	0.00090701	0.225262
1931	495361.06	3859301.99	0.0108	0.00577	0.00618	0.01141	0.00784	0.06525	0.00573	0.00577	0.19937224	0.000245505	1.482E-08	0.0010634	0.0065045	0.0162405	0.000935	0.00090388	0.223458
1932	495411.06	3859301.99	0.01072	0.00574	0.00613	0.01133	0.00784	0.06336	0.0057	0.00574	0.19789541	0.000244228	1.47E-08	0.0010559	0.0065045	0.0157701	0.00093	0.00089918	0.221501
1933	495461.06	3859301.99	0.01065	0.00571	0.00609	0.01127	0.00784	0.0616	0.00567	0.00571	0.19660319	0.000242952	1.461E-08	0.0010503	0.0065045	0.015332	0.000926	0.00089448	0.219764
1934	495511.06	3859301.99	0.01055	0.00566	0.00601	0.01114	0.00779	0.05985	0.00562	0.00566	0.19475715	0.000240824	1.441E-08	0.0010382	0.006463	0.0148965	0.000917	0.00088665	0.217426

1935	495561.06	3859301.99	0.01044	0.00559	0.00591	0.01095	0.00769	0.05824	0.00555	0.00559
1936	495611.06	3859301.99	0.01036	0.00555	0.00585	0.01085	0.00766	0.05667	0.00551	0.00555
1937	495661.06	3859301.99	0.01027	0.0055	0.00578	0.01075	0.00762	0.05476	0.00547	0.0055
1938	494311.06	3859351.99	0.01295	0.00756	0.00864	0.01561	0.00889	0.03239	0.00739	0.00756
1939	494361.06	3859351.99	0.01284	0.00746	0.00848	0.01535	0.00884	0.0344	0.0073	0.00746
1940	494411.06	3859351.99	0.01274	0.00733	0.00829	0.01502	0.00876	0.03613	0.00718	0.00733
1941	494461.06	3859351.99	0.01262	0.00722	0.00812	0.01473	0.00869	0.03762	0.00707	0.00722
1942	494511.06	3859351.99	0.0125	0.00711	0.00797	0.01448	0.00863	0.03967	0.00698	0.00711
1943	494561.06	3859351.99	0.01239	0.00703	0.00785	0.01428	0.00859	0.04291	0.00691	0.00703
1944	494611.06	3859351.99	0.01227	0.00695	0.00772	0.01406	0.00854	0.04729	0.00682	0.00695
1945	494661.06	3859351.99	0.01216	0.00685	0.00758	0.01382	0.00847	0.05413	0.00674	0.00685
1946	494711.06	3859351.99	0.01204	0.00674	0.00739	0.01355	0.00838	0.06548	0.00663	0.00674
1947	494761.06	3859351.99	0.01192	0.00659	0.0072	0.0132	0.00826	0.08828	0.00649	0.00659
1948	494811.06	3859351.99	0.01178	0.00645	0.00699	0.01282	0.00806	0.15278	0.00637	0.00645
1949	494861.06	3859351.99	0.01167	0.00638	0.00688	0.01264	0.008	0.27256	0.0063	0.00638
1950	494911.06	3859351.99	0.01157	0.00632	0.0068	0.01251	0.00797	0.21127	0.00625	0.00632
1951	494961.06	3859351.99	0.01145	0.00624	0.00668	0.01231	0.00789	0.14213	0.00617	0.00624
1952	495011.06	3859351.99	0.01135	0.00618	0.00659	0.01216	0.00784	0.11022	0.00612	0.00618
1953	495061.06	3859351.99	0.01128	0.00618	0.00658	0.01217	0.00791	0.09371	0.00611	0.00618
1954	495111.06	3859351.99	0.01118	0.00611	0.00648	0.012	0.00785	0.08213	0.00605	0.00611
1955	495161.06	3859351.99	0.01109	0.00607	0.00641	0.0119	0.00784	0.07444	0.00601	0.00607
1956	495211.06	3859351.99	0.011	0.00603	0.00635	0.0118	0.00782	0.06872	0.00597	0.00603
1957	495261.06	3859351.99	0.01092	0.006	0.0063	0.01173	0.00783	0.06446	0.00594	0.006
1958	495311.06	3859351.99	0.01083	0.00594	0.00622	0.01159	0.00779	0.06082	0.00589	0.00594
1959	495361.06	3859351.99	0.01074	0.0059	0.00616	0.0115	0.00777	0.05794	0.00585	0.0059
1960	495411.06	3859351.99	0.01066	0.00587	0.00611	0.01143	0.00778	0.05556	0.00583	0.00587
1961	495461.06	3859351.99	0.01059	0.00585	0.00608	0.01138	0.0078	0.05349	0.00581	0.00585
1962	495511.06	3859351.99	0.01049	0.00578	0.00598	0.01121	0.00772	0.05146	0.00574	0.00578
1963	495561.06	3859351.99	0.0104	0.00573	0.00591	0.01108	0.00767	0.04978	0.00569	0.00573
1964	495611.06	3859351.99	0.01032	0.00569	0.00585	0.01098	0.00764	0.04818	0.00565	0.00569
1965	495661.06	3859351.99	0.01022	0.00562	0.00576	0.01081	0.00756	0.04642	0.00559	0.00562
1966	494311.06	3859401.99	0.01279	0.00776	0.00859	0.01578	0.00868	0.03683	0.00758	0.00776
1967	494361.06	3859401.99	0.01269	0.00762	0.0084	0.01544	0.00862	0.0398	0.00745	0.00762
1968	494411.06	3859401.99	0.0126	0.00749	0.0082	0.01509	0.00855	0.04279	0.00733	0.00749
1969	494461.06	3859401.99	0.0125	0.00738	0.00805	0.01483	0.00849	0.04498	0.00723	0.00738
1970	494511.06	3859401.99	0.01239	0.0073	0.00793	0.01463	0.00846	0.0478	0.00715	0.0073
1971	494561.06	3859401.99	0.01228	0.00722	0.0078	0.01441	0.00842	0.05158	0.00707	0.00722
1972	494611.06	3859401.99	0.01217	0.00711	0.00766	0.01416	0.00836	0.05676	0.00698	0.00711
1973	494661.06	3859401.99	0.01206	0.00704	0.00754	0.01397	0.00833	0.06428	0.00691	0.00704
1974	494711.06	3859401.99	0.01195	0.00694	0.00742	0.01375	0.00828	0.07575	0.00682	0.00694
1975	494761.06	3859401.99	0.01183	0.00677	0.00719	0.01336	0.00815	0.09759	0.00666	0.00677
1976	494811.06	3859401.99	0.01171	0.00668	0.00704	0.0131	0.00806	0.1571	0.00658	0.00668
1977	494861.06	3859401.99	0.01159	0.00655	0.00687	0.01278	0.00793	0.27821	0.00646	0.00655
1978	494911.06	3859401.99	0.01148	0.00645	0.00674	0.01255	0.00786	0.21731	0.00636	0.00645
1979	494961.06	3859401.99	0.01138	0.00641	0.00666	0.01243	0.00783	0.14793	0.00632	0.00641
1980	495011.06	3859401.99	0.01129	0.00636	0.00659	0.01233	0.00781	0.11522	0.00628	0.00636
1981	495061.06	3859401.99	0.01121	0.0063	0.00653	0.01222	0.00782	0.09657	0.00623	0.0063
1982	495111.06	3859401.99	0.01111	0.00623	0.00643	0.01205	0.00776	0.08356	0.00616	0.00623
1983	495161.06	3859401.99	0.01101	0.00621	0.00638	0.01199	0.00776	0.07474	0.00615	0.00621
1984	495211.06	3859401.99	0.01093	0.00619	0.00634	0.01193	0.00777	0.06825	0.00612	0.00619
1985	495261.06	3859401.99	0.01085	0.00614	0.00627	0.01182	0.00775	0.06296	0.00608	0.00614
1986	495311.06	3859401.99	0.01076	0.00609	0.00621	0.01171	0.00773	0.05868	0.00603	0.00609
1987	495361.06	3859401.99	0.01068	0.00607	0.00617	0.01166	0.00775	0.05538	0.00601	0.00607
1988	495411.06	3859401.99	0.0106	0.00604	0.00612	0.01158	0.00775	0.05245	0.00598	0.00604
1989	495461.06	3859401.99	0.01051	0.00598	0.00605	0.01145	0.00771	0.04985	0.00593	0.00598
1990	495511.06	3859401.99	0.01042	0.00591	0.00595	0.01129	0.00765	0.04756	0.00586	0.00591
1991	495561.06	3859401.99	0.01032	0.00584	0.00586	0.0111	0.00756	0.04549	0.00579	0.00584

0.1927265	0.000237846	1.417E-08	0.0010205	0.00638	0.0144957	0.000906	0.00087568	0.214891
0.19124967	0.000236144	1.403E-08	0.0010112	0.0063552	0.014105	0.000899	0.00086941	0.212987
0.18958824	0.000234017	1.386E-08	0.0010019	0.006322	0.0136296	0.000893	0.00086158	0.210807
0.23906209	0.000321666	2.072E-08	0.0014548	0.0073756	0.0080618	0.001206	0.00118428	0.256298
0.23703145	0.000317411	2.034E-08	0.0014306	0.0073342	0.008562	0.001192	0.00116862	0.254699
0.23518541	0.00031188	1.988E-08	0.0013998	0.0072678	0.0089926	0.001172	0.00114825	0.253181
0.23297016	0.0003072	1.947E-08	0.0013728	0.0072097	0.0093635	0.001154	0.00113102	0.251246
0.23075491	0.00030252	1.911E-08	0.0013495	0.0071599	0.0098737	0.001139	0.00111379	0.249466
0.22872427	0.000299116	1.883E-08	0.0013308	0.0071267	0.0106802	0.001128	0.00110126	0.248188
0.22650902	0.000295712	1.852E-08	0.0013103	0.0070853	0.0117703	0.001113	0.00108873	0.246995
0.22447838	0.000291457	1.818E-08	0.001288	0.0070272	0.0134728	0.0011	0.00107306	0.246585
0.22226313	0.000286777	1.772E-08	0.0012628	0.0069525	0.0162977	0.001082	0.00105583	0.247089
0.22004789	0.000280394	1.727E-08	0.0012302	0.006853	0.0219726	0.001059	0.00103233	0.250411
0.21746343	0.000274438	1.676E-08	0.0011948	0.006687	0.0380264	0.00104	0.0010104	0.263675
0.21543279	0.000271459	1.65E-08	0.001178	0.0066372	0.0678393	0.001028	0.00099943	0.291388
0.21358675	0.000268906	1.631E-08	0.0011659	0.0066124	0.0525844	0.00102	0.00099004	0.274248
0.2113715	0.000265502	1.602E-08	0.0011472	0.006546	0.0353757	0.001007	0.0009775	0.254736
0.20952546	0.000262949	1.581E-08	0.0011333	0.0065045	0.0274334	0.000999	0.0009681	0.24489
0.20823323	0.000262949	1.578E-08	0.0011342	0.0065626	0.0233241	0.000997	0.0009681	0.239546
0.20638719	0.000259971	1.554E-08	0.0011184	0.0065128	0.0204419	0.000988	0.00095714	0.234751
0.20472576	0.000258269	1.537E-08	0.001109	0.0065045	0.0185279	0.000981	0.00095087	0.231156
0.20306432	0.000256567	1.523E-08	0.0010997	0.0064879	0.0171042	0.000974	0.00094461	0.228043
0.20158749	0.000255291	1.511E-08	0.0010932	0.0064962	0.0160439	0.00097	0.00093991	0.225506
0.19992606	0.000252738	1.492E-08	0.0010801	0.006463	0.0151379	0.000961	0.00093051	0.222891
0.19826462	0.000251036	1.477E-08	0.0010718	0.0064464	0.0144211	0.000955	0.00092424	0.220486
0.19678779	0.000249759	1.465E-08	0.0010652	0.0064547	0.0138287	0.000952	0.00091954	0.218418
0.19549556	0.000248908	1.458E-08	0.0010606	0.0064713	0.0133135	0.000948	0.00091641	0.216622
0.19364952	0.00024593	1.434E-08	0.0010447	0.0064049	0.0128082	0.000937	0.00090544	0.214185
0.19198809	0.000243803	1.417E-08	0.0010326	0.0063635	0.0123901	0.000929	0.00089761	0.212049
0.19051126	0.000242101	1.403E-08	0.0010233	0.0063386	0.0119918	0.000922	0.00089135	0.210138
0.18866522	0.000239122	1.381E-08	0.0010074	0.0062722	0.0115538	0.000912	0.00088038	0.20777
0.23610843	0.000330176	2.06E-08	0.0014706	0.0072014	0.0091669	0.001237	0.00121561	0.254299
0.23426239	0.000324219	2.015E-08	0.0014389	0.0071516	0.0099061	0.001216	0.00119368	0.253106
0.23260095	0.000318688	1.967E-08	0.0014063	0.0070936	0.0106503	0.001196	0.00117332	0.252093
0.23075491	0.000314008	1.931E-08	0.0013821	0.0070438	0.0111954	0.00118	0.00115609	0.250714
0.22872427	0.000310604	1.902E-08	0.0013635	0.0070189	0.0118973	0.001167	0.00114355	0.249338
0.22669363	0.0003072	1.871E-08	0.001343	0.0069857	0.0128381	0.001154	0.00113102	0.248191
0.22466298	0.00030252	1.837E-08	0.0013197	0.0069359	0.0141274	0.001139	0.00111379	0.247374
0.22263234	0.000299541	1.808E-08	0.0013019	0.006911	0.0159991	0.001128	0.00110282	0.247169
0.2206017	0.000295286	1.78E-08	0.0012814	0.0068695	0.0188539	0.001113	0.00108716	0.247928
0.21838645	0.000288053	1.724E-08	0.0012451	0.0067617	0.0242898	0.001087	0.00106053	0.250998
0.2161712	0.000284224	1.688E-08	0.0012209	0.006687	0.0391017	0.001074	0.00104643	0.263493
0.21395596	0.000278692	1.648E-08	0.001191	0.0065792	0.0692455	0.001054	0.00102607	0.291279
0.21192531	0.000274438	1.616E-08	0.0011696	0.0065211	0.0540877	0.001038	0.0010104	0.274006
0.21007927	0.000272736	1.597E-08	0.0011584	0.0064962	0.0368193	0.001032	0.00100413	0.254853
0.20841784	0.000270608	1.581E-08	0.0011491	0.0064796	0.0286779	0.001025	0.0009963	0.245024
0.20694101	0.000268055	1.566E-08	0.0011389	0.0064879	0.0240359	0.001017	0.0009869	0.238902
0.20509497	0.000265077	1.542E-08	0.001123	0.0064381	0.0207978	0.001005	0.00097594	0.233749
0.20324893	0.000264226	1.53E-08	0.0011174	0.0064381	0.0186025	0.001004	0.0009728	0.229702
0.2017721	0.000263375	1.521E-08	0.0011118	0.0064464	0.0169872	0.000999	0.00096967	0.22661
0.20029526	0.000261248	1.504E-08	0.0011016	0.0064298	0.0156705	0.000992	0.00096184	0.223789
0.19863383	0.00025912	1.489E-08	0.0010913	0.0064132	0.0146053	0.000984	0.00095401	0.221033
0.197157	0.000258269	1.48E-08	0.0010867	0.0064298	0.0137839	0.000981	0.00095087	0.218746
0.19568017	0.000256993	1.468E-08	0.0010792	0.0064298	0.0130546	0.000976	0.00094617	0.216531
0.19401873	0.00025444	1.451E-08	0.0010671	0.0063966	0.0124075	0.000968	0.00093677	0.214176
0.1923573	0.000251461	1.427E-08	0.0010522	0.0063469	0.0118375	0.000957	0.00092581	0.211876
0.19051126	0.000248483	1.405E-08	0.0010345	0.0062722	0.0113223	0.000945	0.00091484	0.209419

1992	495611.06	3859401.99	0.01024	0.00579	0.00579	0.01099	0.00753	0.04369	0.00575	0.00579	0.18903442	0.000246356	1.389E-08	0.0010242	0.0062473	0.0108743	0.000939	0.00090701	0.207458
1993	495661.06	3859401.99	0.01016	0.00575	0.00573	0.01089	0.0075	0.04202	0.00571	0.00575	0.18755759	0.000244654	1.374E-08	0.0010149	0.0062224	0.0104586	0.000932	0.00090074	0.20553
1994	494311.06	3859451.99	0.01263	0.00792	0.00847	0.01582	0.00844	0.04302	0.00773	0.00792	0.23315476	0.000336984	2.031E-08	0.0014744	0.0070023	0.0107075	0.001262	0.00124068	0.252697
1995	494361.06	3859451.99	0.01253	0.00779	0.00829	0.0155	0.00839	0.04899	0.00761	0.00779	0.23130872	0.000331452	1.988E-08	0.0014445	0.0069608	0.0121934	0.001242	0.00122031	0.252261
1996	494411.06	3859451.99	0.01245	0.00762	0.00807	0.01508	0.00831	0.05518	0.00745	0.00762	0.22983189	0.000324219	1.935E-08	0.0014054	0.0068944	0.0137341	0.001216	0.00119368	0.252212
1997	494461.06	3859451.99	0.01234	0.00755	0.00796	0.0149	0.00829	0.06074	0.00739	0.00755	0.22780125	0.000321241	1.909E-08	0.0013886	0.0068778	0.015118	0.001206	0.00118272	0.25153
1998	494511.06	3859451.99	0.01225	0.00744	0.00782	0.01464	0.00824	0.06593	0.00729	0.00744	0.22613981	0.000316561	1.876E-08	0.0013644	0.0068364	0.0164098	0.00119	0.00116549	0.251091
1999	494561.06	3859451.99	0.01215	0.00736	0.0077	0.01443	0.00821	0.07329	0.00721	0.00736	0.22429378	0.000313157	1.847E-08	0.0013448	0.0068115	0.0182416	0.001177	0.00115295	0.251029
2000	494611.06	3859451.99	0.01205	0.0073	0.00761	0.01428	0.0082	0.08258	0.00715	0.0073	0.22244774	0.000310604	1.825E-08	0.0013308	0.0068032	0.0205539	0.001167	0.00114355	0.25147
2001	494661.06	3859451.99	0.01194	0.00719	0.00746	0.01402	0.00814	0.09147	0.00705	0.00719	0.22041709	0.000305923	1.789E-08	0.0013066	0.0067534	0.0227666	0.001151	0.00112632	0.251574
2002	494711.06	3859451.99	0.01183	0.00709	0.00732	0.01376	0.00808	0.10315	0.00695	0.00709	0.21838645	0.000301669	1.756E-08	0.0012824	0.0067036	0.0256737	0.001134	0.00111066	0.252372
2003	494761.06	3859451.99	0.01172	0.007	0.0072	0.01354	0.00804	0.12436	0.00687	0.007	0.21635581	0.000297839	1.727E-08	0.0012619	0.0066704	0.0309528	0.001121	0.00109656	0.255564
2004	494811.06	3859451.99	0.01161	0.00687	0.00704	0.01324	0.00795	0.18106	0.00675	0.00687	0.21432516	0.000292308	1.688E-08	0.0012339	0.0065958	0.0450652	0.001102	0.00107619	0.267538
2005	494861.06	3859451.99	0.0115	0.00676	0.00688	0.01298	0.00787	0.22557	0.00665	0.00676	0.21229452	0.000287628	1.65E-08	0.0012097	0.0065294	0.0561436	0.001085	0.00105896	0.276491
2006	494911.06	3859451.99	0.0114	0.00667	0.00677	0.01279	0.00782	0.23677	0.00657	0.00667	0.21044848	0.000283798	1.624E-08	0.001192	0.0064879	0.0589312	0.001072	0.00104486	0.277371
2007	494961.06	3859451.99	0.0113	0.00662	0.00669	0.01265	0.0078	0.16382	0.00652	0.00662	0.20860244	0.000281671	1.604E-08	0.0011789	0.0064713	0.0407742	0.001064	0.00103703	0.257336
2008	495011.06	3859451.99	0.0112	0.00655	0.0066	0.0125	0.00777	0.12624	0.00646	0.00655	0.2067564	0.000278692	1.583E-08	0.0011649	0.0064464	0.0314207	0.001054	0.00102607	0.246096
2009	495061.06	3859451.99	0.01111	0.00649	0.00651	0.01235	0.00773	0.10337	0.0064	0.00649	0.20509497	0.000276139	1.561E-08	0.001151	0.0064132	0.0257284	0.001045	0.00101667	0.238692
2010	495111.06	3859451.99	0.01101	0.00642	0.00643	0.0122	0.0077	0.08787	0.00634	0.00642	0.20324893	0.000273161	1.542E-08	0.001137	0.0063883	0.0218705	0.001035	0.0010057	0.232947
2011	495161.06	3859451.99	0.01093	0.00638	0.00637	0.01211	0.00769	0.07719	0.0063	0.00638	0.2017721	0.000271459	1.528E-08	0.0011286	0.00638	0.0192123	0.001028	0.00099943	0.228793
2012	495211.06	3859451.99	0.01084	0.00635	0.00633	0.01204	0.0077	0.06929	0.00627	0.00635	0.20011066	0.000270183	1.518E-08	0.0011221	0.0063883	0.017246	0.001023	0.00099474	0.225166
2013	495261.06	3859451.99	0.01076	0.00631	0.00628	0.01196	0.0077	0.0631	0.00624	0.00631	0.19863383	0.000268481	1.506E-08	0.0011146	0.0063883	0.0157054	0.001019	0.00098847	0.222141
2014	495311.06	3859451.99	0.01067	0.00626	0.00621	0.01184	0.00768	0.05799	0.00619	0.00626	0.19697239	0.000266353	1.489E-08	0.0011034	0.0063718	0.0144335	0.00101	0.00098064	0.219177
2015	495361.06	3859451.99	0.01059	0.00622	0.00615	0.01174	0.00767	0.05387	0.00615	0.00622	0.19549556	0.000264651	1.475E-08	0.0010941	0.0063635	0.0134081	0.001004	0.00097437	0.216655
2016	495411.06	3859451.99	0.01051	0.00617	0.00608	0.01162	0.00764	0.05041	0.0061	0.00617	0.19401873	0.000262524	1.458E-08	0.0010829	0.0063386	0.0125469	0.000996	0.00096654	0.214279
2017	495461.06	3859451.99	0.01042	0.00612	0.00602	0.01152	0.00762	0.04761	0.00606	0.00612	0.1923573	0.000260397	1.444E-08	0.0010736	0.006322	0.01185	0.000989	0.00095871	0.211894
2018	495511.06	3859451.99	0.01033	0.00604	0.00592	0.01134	0.00755	0.04501	0.00598	0.00604	0.19069586	0.000256993	1.42E-08	0.0010568	0.0062639	0.0112028	0.000976	0.00094617	0.209506
2019	495561.06	3859451.99	0.01025	0.00599	0.00585	0.01121	0.00751	0.04285	0.00593	0.00599	0.18921903	0.000254865	1.403E-08	0.0010447	0.0062307	0.0106652	0.000968	0.00093834	0.207444
2020	495611.06	3859451.99	0.01016	0.00593	0.00578	0.01108	0.00748	0.04092	0.00588	0.00593	0.18755759	0.000252312	1.386E-08	0.0010326	0.0062058	0.0101848	0.00096	0.00092894	0.205264
2021	495661.06	3859451.99	0.01008	0.00589	0.00571	0.01097	0.00744	0.0392	0.00583	0.00589	0.18608076	0.00025061	1.369E-08	0.0010224	0.0061726	0.0097567	0.000952	0.00092268	0.203312
2022	494311.06	3859501.99	0.01245	0.0081	0.00835	0.0159	0.0082	0.05104	0.00791	0.0081	0.22983189	0.000344643	2.003E-08	0.0014818	0.0068032	0.0127037	0.001291	0.00126887	0.251187
2023	494361.06	3859501.99	0.01236	0.00797	0.00818	0.01556	0.00816	0.06464	0.00778	0.00797	0.22817046	0.000339111	1.962E-08	0.0014501	0.00677	0.0160887	0.00127	0.00124851	0.25284
2024	494411.06	3859501.99	0.01229	0.00775	0.00792	0.01505	0.00807	0.08384	0.00758	0.00775	0.22687823	0.000329751	1.899E-08	0.0014026	0.0066953	0.0208675	0.001237	0.00121405	0.256197
2025	494461.06	3859501.99	0.01218	0.00773	0.00788	0.01498	0.00809	0.10663	0.00756	0.00773	0.22484759	0.0003289	1.89E-08	0.0013961	0.0067119	0.0265398	0.001234	0.00121091	0.259847
2026	494511.06	3859501.99	0.01208	0.00761	0.00773	0.01469	0.00804	0.12743	0.00744	0.00761	0.22300155	0.000323794	1.854E-08	0.001369	0.0066704	0.0317169	0.001214	0.00119212	0.263104
2027	494561.06	3859501.99	0.01199	0.00751	0.00759	0.01444	0.00801	0.15194	0.00735	0.00751	0.22134011	0.000319539	1.82E-08	0.0013457	0.0066455	0.0378174	0.0012	0.00117645	0.267492
2028	494611.06	3859501.99	0.01188	0.00749	0.00756	0.01439	0.00803	0.1766	0.00733	0.00749	0.21930947	0.000318688	1.813E-08	0.0013411	0.0066621	0.0439551	0.001196	0.00117332	0.27161
2029	494661.06	3859501.99	0.01179	0.00737	0.0074	0.0141	0.00797	0.18948	0.00721	0.00737	0.21764803	0.000313582	1.775E-08	0.0013141	0.0066124	0.0471609	0.001177	0.00115452	0.273071
2030	494711.06	3859501.99	0.01171	0.00722	0.00723	0.01376	0.00789	0.19859	0.00708	0.00722	0.2161712	0.0003072	1.734E-08	0.0012824	0.006546	0.0494284	0.001156	0.00113102	0.27376
2031	494761.06	3859501.99	0.01161	0.00718	0.00716	0.01365	0.00789	0.21844	0.00704	0.00718	0.21432516	0.000305498	1.717E-08	0.0012721	0.006546	0.054369	0.001149	0.00112476	0.276842
2032	494811.06	3859501.99	0.01149	0.00701	0.00696	0.01326	0.00778	0.25705	0.00688	0.00701	0.21210992	0.000298265	1.669E-08	0.0012358	0.0064547	0.0639789	0.001123	0.00109813	0.284102
2033	494861.06	3859501.99	0.01139	0.00693	0.00686	0.01307	0.00774	0.2886	0.00681	0.00693	0.21026388	0.000294861	1.645E-08	0.0012181	0.0064215	0.0718316	0.001112	0.00108559	0.290056
2034	494911.06	3859501.99	0.01129	0.00687	0.00678	0.01294	0.00773	0.28251	0.00676	0.00687	0.20841784	0.000292308	1.626E-08	0.001206	0.0064132	0.0703158	0.001103	0.00107619	0.286672
2035	494961.06	3859501.99	0.01119	0.00678	0.00667	0.01272	0.00768	0.18756	0.00667	0.00678	0.2065718	0.000288479	1.6E-08	0.0011855	0.0063718	0.046683	0.001089	0.0010621	0.261127
2036	495011.06	3859501.99	0.0111	0.00673	0.0066	0.0126	0.00766	0.13809	0.00662	0.00673	0.20491036	0.000286351	1.583E-08	0.0011743	0.0063552	0.0343701	0.001081	0.00105426	0.247123
2037	495061.06	3859501.99	0.01101	0.00668	0.00653	0.01249	0.00765	0.10884	0.00657	0.00668	0.20324893	0.000284224	1.566E-08	0.001164	0.0063469	0.0270899	0.001072	0.00104643	0.23816
2038	495111.06	3859501.99	0.01091	0.00659	0.0064	0.01229	0.0076	0.08943	0.00649	0.00659	0.20140289	0.000280394	1.535E-08	0.0011454	0.0063054	0.0222588	0.001059	0.00103233	0.23142
2039	495161.06	3859501.99	0.01082	0.00654	0.00634	0.01219	0.00759	0.07684	0.00645	0.00654	0.19974145	0.000278267	1.521E-08	0.0011361	0.0062971	0.0191252	0.001053	0.0010245	0.226606
2040	495211.06	3859501.99	0.01074	0.00651	0.0063	0.01212	0.0076	0.06794	0.00642	0.00651	0.19826462	0.00027699	1.511E-08	0.0011295	0.0063054	0.01691	0.001048	0.0010198	0.222915
2041	495261.06	3859501.99	0.01065	0.00647	0.00624	0.01202	0.00759	0.06108	0.00638	0.00647	0.19660319	0.000275289	1.497E-08	0.0011202	0.0062971	0.0152026	0.001041	0.00101353	0.219526
2042	495311.06	3859501.99	0.01057	0.00643	0.00619	0.01194	0.00759	0.05582	0.00634	0.00643	0.19512635	0.000273587	1.485E-08	0.0011128	0.0062971	0.0138934	0.001035	0.00100727	0.216731
2043	495361.06	3859501.99	0.01049	0.00637	0.00612	0.01182	0.00757	0.05155	0.00629	0.00637	0.19364952	0.000271034	1.468E-08	0.0011016	0.0062805	0.0128306	0.001027	0.00099787	0.214162
2044	495411.06	3859501.99	0.0104	0.00633	0.00606	0.01172	0.00756	0.04814	0.00625	0.00633	0.19198809	0.000269332	1.453E-08	0.0010923	0.0062722	0.0119819	0.00102	0.0009916	0.211632
2045	495461.06	3859501.99	0.01032	0.00627	0.006	0.01159	0.00753	0.0453	0.0062	0.00627	0.19051126	0.000266779	1.439E-08	0.0010801	0.0062473	0.011275	0.001012	0.0009822	0.20941
2046	495511.06	3859501.99	0.01023	0.00616	0.00587	0.01135	0.00745	0.04258	0.00609	0.00616	0.18884982	0.000262098	1.408E-08	0.0010578	0.0061809	0.010598	0.000994	0.00096497	0.206978
2047	495561.06	3859501.99	0.01015	0.00614	0.00583	0.01129	0.00744	0.04063	0.00607	0.00614	0.18737299	0.000261248	1.398E-08	0.0010522	0.0061726	0.0101127	0.000991	0.00096184	0.205001
2048	495611.06	3859501.99	0.01007	0.00608	0.00576	0.01115	0.00741	0.03872	0.00602	0.00608	0.18589616	0.000258695	1.381E-08	0.0010391	0.0061477	0.0096373	0.000983	0.00095244	0.203009

2049	495661.06	3859501.99	0.00998	0.00602	0.00568	0.01101	0.00736	0.03701	0.00596	0.00602	0.18423472	0.000256142	1.362E-08	0.0010261	0.0061063	0.0092117	0.000973	0.00094304	0.200865
2050	494311.06	3859551.99	0.01227	0.00828	0.00822	0.01592	0.00796	0.05785	0.00808	0.00828	0.22650902	0.000352301	1.971E-08	0.0014837	0.0066041	0.0143987	0.001319	0.00129707	0.24937
2051	494361.06	3859551.99	0.01219	0.00809	0.00802	0.01552	0.00793	0.08151	0.00789	0.00809	0.22503219	0.000344217	1.923E-08	0.0014464	0.0065792	0.0202876	0.001288	0.00126731	0.25371
2052	494411.06	3859551.99	0.01212	0.00788	0.00778	0.015	0.00785	0.14539	0.0077	0.00788	0.22373996	0.000335282	1.866E-08	0.0013979	0.0065128	0.0361871	0.001257	0.00123441	0.268196
2053	494461.06	3859551.99	0.012	0.0079	0.00777	0.015	0.00787	0.28679	0.00772	0.0079	0.22152472	0.000336133	1.864E-08	0.0013979	0.0065294	0.0713811	0.00126	0.00123754	0.301192
2054	494511.06	3859551.99	0.01191	0.00778	0.00762	0.01472	0.00784	0.63613	0.00761	0.00778	0.21986328	0.000331027	1.828E-08	0.0013718	0.0065045	0.1583306	0.001242	0.00121875	0.386425
2055	494561.06	3859551.99	0.01182	0.00768	0.00751	0.01449	0.00781	0.62802	0.00751	0.00768	0.21820185	0.000326772	1.801E-08	0.0013504	0.0064796	0.156312	0.001226	0.00120308	0.382693
2056	494611.06	3859551.99	0.01171	0.00762	0.00743	0.01434	0.0078	0.63806	0.00746	0.00762	0.2161712	0.000324219	1.782E-08	0.0013364	0.0064713	0.158811	0.001218	0.00119368	0.383138
2057	494661.06	3859551.99	0.01162	0.00754	0.00733	0.01414	0.00778	0.62998	0.00738	0.00754	0.21450977	0.000320815	1.758E-08	0.0013178	0.0064547	0.1567999	0.001205	0.00118115	0.379426
2058	494711.06	3859551.99	0.01155	0.00733	0.00709	0.01367	0.00767	0.62459	0.00718	0.00733	0.21321754	0.00031188	1.7E-08	0.001274	0.0063635	0.1554583	0.001172	0.00114825	0.376649
2059	494761.06	3859551.99	0.01144	0.00735	0.00709	0.01369	0.00772	0.66383	0.0072	0.00735	0.2111869	0.000312731	1.7E-08	0.0012759	0.0064049	0.165225	0.001175	0.00115139	0.384429
2060	494811.06	3859551.99	0.01136	0.0072	0.00692	0.01334	0.00764	0.65852	0.00706	0.0072	0.20971006	0.000306349	1.66E-08	0.0012432	0.0063386	0.1639034	0.001152	0.00112789	0.381526
2061	494861.06	3859551.99	0.01127	0.00712	0.00682	0.01316	0.00761	0.55072	0.00698	0.00712	0.20804863	0.000302945	1.636E-08	0.0012265	0.0063137	0.1370723	0.001139	0.00111536	0.352988
2062	494911.06	3859551.99	0.01116	0.00703	0.00672	0.01296	0.00757	0.28391	0.0069	0.00703	0.20601799	0.000299116	1.612E-08	0.0012078	0.0062805	0.0706642	0.001126	0.00110126	0.284495
2063	494961.06	3859551.99	0.01107	0.00698	0.00665	0.01283	0.00756	0.17171	0.00685	0.00698	0.20435655	0.000296988	1.595E-08	0.0011957	0.0062722	0.042738	0.001118	0.00109343	0.254884
2064	495011.06	3859551.99	0.01098	0.00693	0.00659	0.01273	0.00756	0.12391	0.00681	0.00693	0.20269512	0.000294861	1.581E-08	0.0011864	0.0062722	0.0308408	0.001112	0.00108559	0.241315
2065	495061.06	3859551.99	0.01089	0.00686	0.00651	0.01258	0.00753	0.09776	0.00674	0.00686	0.20103368	0.000291882	1.561E-08	0.0011724	0.0062473	0.0243321	0.0011	0.00107463	0.233103
2066	495111.06	3859551.99	0.01079	0.00678	0.00641	0.0124	0.00749	0.08134	0.00667	0.00678	0.19918764	0.000288479	1.537E-08	0.0011556	0.0062141	0.0202452	0.001089	0.0010621	0.227118
2067	495161.06	3859551.99	0.01071	0.00673	0.00636	0.0123	0.00749	0.07057	0.00663	0.00673	0.19771081	0.000286351	1.525E-08	0.0011463	0.0062141	0.0175646	0.001082	0.00105426	0.22295
2068	495211.06	3859551.99	0.01063	0.0067	0.00632	0.01224	0.0075	0.06287	0.0066	0.0067	0.19623398	0.000285075	1.516E-08	0.0011407	0.0062224	0.0156481	0.001077	0.00104956	0.219558
2069	495261.06	3859551.99	0.01054	0.00663	0.00624	0.01209	0.00747	0.0568	0.00653	0.00663	0.19457254	0.000282096	1.497E-08	0.0011267	0.0061975	0.0141373	0.001066	0.0010386	0.216344
2070	495311.06	3859551.99	0.01045	0.00658	0.00617	0.01196	0.00746	0.05213	0.00648	0.00658	0.19291111	0.000279969	1.48E-08	0.0011146	0.0061892	0.012975	0.001058	0.00103077	0.213497
2071	495361.06	3859551.99	0.01037	0.00653	0.00611	0.01186	0.00745	0.04846	0.00644	0.00653	0.19143428	0.000277841	1.465E-08	0.0011053	0.0061809	0.0120615	0.001051	0.00102293	0.211088
2072	495411.06	3859551.99	0.01029	0.00649	0.00606	0.01178	0.00744	0.04553	0.0064	0.00649	0.18995744	0.000276139	1.453E-08	0.0010978	0.0061726	0.0113323	0.001045	0.00101667	0.208864
2073	495461.06	3859551.99	0.01021	0.00641	0.00597	0.0116	0.0074	0.04287	0.00632	0.00641	0.18848061	0.000272736	1.432E-08	0.0010811	0.0061394	0.0106702	0.001032	0.00100413	0.206672
2074	495511.06	3859551.99	0.01012	0.00633	0.00586	0.01142	0.00735	0.04054	0.00625	0.00633	0.18681918	0.000269332	1.405E-08	0.0010643	0.006098	0.0100903	0.00102	0.0009916	0.20437
2075	495561.06	3859551.99	0.01004	0.00628	0.0058	0.01131	0.00733	0.03863	0.0062	0.00628	0.18534235	0.000267204	1.391E-08	0.001054	0.0060814	0.0096149	0.001012	0.00098377	0.202388
2076	495611.06	3859551.99	0.00996	0.00622	0.00573	0.01119	0.0073	0.03692	0.00615	0.00622	0.18386551	0.000264651	1.374E-08	0.0010429	0.0060565	0.0091893	0.001004	0.00097437	0.200448
2077	495661.06	3859551.99	0.00988	0.00616	0.00566	0.01104	0.00726	0.03535	0.00609	0.00616	0.18238868	0.000262098	1.357E-08	0.0010289	0.0060233	0.0087985	0.000994	0.00096497	0.198531
2078	494311.06	3859601.99	0.01207	0.00848	0.00809	0.01597	0.00773	0.06191	0.00827	0.00848	0.22281694	0.000360811	1.94E-08	0.0014883	0.0064132	0.0154092	0.00135	0.0013284	0.24651
2079	494361.06	3859601.99	0.01202	0.00822	0.00783	0.01539	0.00767	0.08819	0.00802	0.00822	0.22189392	0.000349748	1.878E-08	0.0014343	0.0063635	0.0219502	0.001309	0.00128767	0.252013
2080	494411.06	3859601.99	0.01194	0.00808	0.00767	0.01505	0.00763	0.15883	0.00789	0.00808	0.22041709	0.000343792	1.84E-08	0.0014026	0.0063303	0.0395322	0.001288	0.00126574	0.268048
2081	494461.06	3859601.99	0.01181	0.00807	0.00765	0.01501	0.00766	0.29839	0.00789	0.00807	0.21801724	0.000343366	1.835E-08	0.0013989	0.0063552	0.0742683	0.001288	0.00126418	0.300407
2082	494511.06	3859601.99	0.01174	0.00791	0.00747	0.01464	0.00761	0.25772	0.00773	0.00791	0.21672501	0.000336558	1.792E-08	0.0013644	0.0063137	0.0641456	0.001262	0.00123911	0.288908
2083	494561.06	3859601.99	0.01163	0.00788	0.00743	0.01455	0.00762	0.20812	0.0077	0.00788	0.21469437	0.000335282	1.782E-08	0.001356	0.006322	0.0518004	0.001257	0.00123441	0.27453
2084	494611.06	3859601.99	0.01152	0.00783	0.00737	0.01441	0.00762	0.18845	0.00765	0.00783	0.21266373	0.000333154	1.768E-08	0.001343	0.006322	0.0469046	0.001249	0.00122658	0.267589
2085	494661.06	3859601.99	0.01145	0.00764	0.00718	0.01402	0.00756	0.18227	0.00747	0.00764	0.2113715	0.00032507	1.722E-08	0.0013066	0.0062722	0.0453664	0.001219	0.00119682	0.264664
2086	494711.06	3859601.99	0.01138	0.0075	0.00701	0.01369	0.0075	0.17657	0.00735	0.0075	0.21007927	0.000319113	1.681E-08	0.0012759	0.0062224	0.0439477	0.0012	0.00117488	0.261869
2087	494761.06	3859601.99	0.01126	0.00755	0.00706	0.01378	0.00756	0.1679	0.00739	0.00755	0.20786403	0.000321241	1.693E-08	0.0012842	0.0062722	0.0417897	0.001206	0.00118272	0.257555
2088	494811.06	3859601.99	0.01119	0.00739	0.00688	0.01343	0.00749	0.16182	0.00724	0.00739	0.2065718	0.000314433	1.65E-08	0.0012516	0.0062141	0.0402764	0.001182	0.00115765	0.254653
2089	494861.06	3859601.99	0.0111	0.00732	0.0068	0.01326	0.00747	0.14268	0.00717	0.00732	0.20491036	0.000311455	1.631E-08	0.0012358	0.0061975	0.0355126	0.00117	0.00114669	0.248191
2090	494911.06	3859601.99	0.01102	0.0072	0.00666	0.013	0.00742	0.12116	0.00706	0.0072	0.20343353	0.000306349	1.597E-08	0.0012115	0.006156	0.0301563	0.001152	0.00112789	0.241288
2091	494961.06	3859601.99	0.01092	0.00719	0.00665	0.01298	0.00745	0.10307	0.00705	0.00719	0.20158749	0.000305923	1.595E-08	0.0012097	0.0061809	0.0256538	0.001151	0.00112632	0.234962
2092	495011.06	3859601.99	0.01084	0.00707	0.00652	0.01271	0.00739	0.08851	0.00694	0.00707	0.20011066	0.000300818	1.564E-08	0.0011845	0.0061312	0.0220298	0.001133	0.00110752	0.229782
2093	495061.06	3859601.99	0.01075	0.00704	0.00648	0.01264	0.0074	0.0772	0.00691	0.00704	0.19844923	0.000299541	1.554E-08	0.001178	0.0061394	0.0192148	0.001128	0.00110282	0.225306
2094	495111.06	3859601.99	0.01067	0.00695	0.00638	0.01244	0.00736	0.06825	0.00683	0.00695	0.19697239	0.000295712	1.53E-08	0.0011594	0.0061063	0.0169872	0.001115	0.00108873	0.221547
2095	495161.06	3859601.99	0.01058	0.00691	0.00633	0.01236	0.00736	0.06152	0.00679	0.00691	0.19531096	0.00029401	1.518E-08	0.0011519	0.0061063	0.0153121	0.001108	0.00108246	0.218201
2096	495211.06	3859601.99	0.0105	0.00685	0.00627	0.01223	0.00735	0.05612	0.00674	0.00685	0.19383413	0.000291457	1.504E-08	0.0011398	0.006098	0.0139681	0.0011	0.00107306	0.215359
2097	495261.06	3859601.99	0.01042	0.00681	0.00621	0.01213	0.00735	0.05182	0.00669	0.00681	0.1923573	0.000289755	1.489E-08	0.0011305	0.006098	0.0128978	0.001092	0.00106679	0.212799
2098	495311.06	3859601.99	0.01034	0.00677	0.00616	0.01204	0.00734	0.04834	0.00666	0.00677	0.19088046	0.000288053	1.477E-08	0.0011221	0.0060897	0.0120317	0.001087	0.00106053	0.210439
2099	495361.06	3859601.99	0.01025	0.00671	0.00609	0.01191	0.00733	0.0454	0.0066	0.00671	0.18921903	0.0002855	1.461E-08	0.00111	0.0060814	0.0112999	0.001077	0.00105113	0.208022
2100	495411.06	3859601.99	0.01017	0.00667	0.00604	0.01181	0.00732	0.04298	0.00656	0.00667	0.1877422	0.000283798	1.449E-08	0.0011006	0.0060731	0.0106976	0.001071	0.00104486	0.205923
2101	495461.06	3859601.99	0.01009	0.00657	0.00594	0.01161	0.00727	0.04065	0.00647	0.00657	0.18626537	0.000279543	1.425E-08	0.001082	0.0060316	0.0101176	0.001056	0.0010292	0.203803
2102	495511.06	3859601.99	0.01	0.00647	0.00584	0.01142	0.00722	0.0386	0.00638	0.00647	0.18460393	0.000275289	1.401E-08	0.0010643	0.0059901	0.0096074	0.001041	0.00101353	0.201569
2103	495561.06	3859601.99	0.00993	0.00645	0.00581	0.01136	0.00723	0.03703	0.00636	0.00645	0.1833117	0.000274438	1.393E-08	0.0010587	0.0059984	0.0092166	0.001038	0.0010104	0.199888
2104	495611.06	3859601.99	0.00985	0.00635	0.0057	0.01116	0.00717	0.03533	0.00627	0.00635	0.18183487	0.000270183	1.367E-08	0.0010401	0.0059486	0.0087935	0.001023	0.00099474	0.197916
2105	495661.06	3859601.99	0.00977	0.00631	0.00566	0.01107	0.00716	0.03402	0.00623	0.00631	0.18035804	0.000268481	1.357E-08	0.0010317	0.0059403	0.0084675	0.001017	0.00098847	0.196094

2106	494311.06	3859651.99	0.01189	0.00862	0.00789	0.01584	0.00747	0.06288	0.00841	0.00862	0.21949407	0.000366768	1.892E-08	0.0014762	0.0061975	0.0156506	0.001373	0.00135033	0.243208
2107	494361.06	3859651.99	0.01183	0.00837	0.00766	0.01532	0.00743	0.08757	0.00818	0.00837	0.21838645	0.000356131	1.837E-08	0.0014278	0.0061643	0.0217959	0.001335	0.00131117	0.248155
2108	494411.06	3859651.99	0.01174	0.00827	0.00755	0.01508	0.00742	0.15375	0.00808	0.00827	0.21672501	0.000351876	1.811E-08	0.0014054	0.006156	0.0382679	0.001319	0.00129551	0.26293
2109	494461.06	3859651.99	0.01161	0.00826	0.00753	0.01502	0.00744	0.28176	0.00807	0.00826	0.21432516	0.00035145	1.806E-08	0.0013998	0.0061726	0.0701291	0.001317	0.00129394	0.292401
2110	494511.06	3859651.99	0.01152	0.00815	0.00742	0.01477	0.00743	0.22295	0.00796	0.00815	0.21266373	0.00034677	1.78E-08	0.0013765	0.0061643	0.0554915	0.001299	0.00127671	0.276065
2111	494561.06	3859651.99	0.01142	0.00808	0.00735	0.01459	0.00743	0.15723	0.00789	0.00808	0.21081769	0.000343792	1.763E-08	0.0013597	0.0061643	0.039134	0.001288	0.00126574	0.257842
2112	494611.06	3859651.99	0.01133	0.008	0.00727	0.01441	0.00742	0.12778	0.00782	0.008	0.20915625	0.000340388	1.744E-08	0.001343	0.006156	0.031804	0.001276	0.00125321	0.248823
2113	494661.06	3859651.99	0.01126	0.00778	0.00706	0.01398	0.00736	0.11144	0.00761	0.00778	0.20786403	0.000331027	1.693E-08	0.0013029	0.0061063	0.027737	0.001242	0.00121875	0.243365
2114	494711.06	3859651.99	0.01117	0.00771	0.00699	0.01382	0.00736	0.10235	0.00755	0.00771	0.20620259	0.000328049	1.676E-08	0.001288	0.0061063	0.0254746	0.001232	0.00120778	0.239424
2115	494761.06	3859651.99	0.01108	0.00769	0.00694	0.01371	0.00735	0.09586	0.00753	0.00769	0.20454115	0.000327198	1.664E-08	0.0012777	0.006098	0.0238592	0.001229	0.00120465	0.236128
2116	494811.06	3859651.99	0.011	0.00758	0.00682	0.01346	0.00732	0.08942	0.00742	0.00758	0.20306432	0.000322517	1.636E-08	0.0012544	0.0060731	0.0222563	0.001211	0.00118742	0.232994
2117	494861.06	3859651.99	0.01091	0.00751	0.00675	0.01332	0.00731	0.08261	0.00736	0.00751	0.20140289	0.000319539	1.619E-08	0.0012414	0.0060648	0.0205613	0.001201	0.00117645	0.229615
2118	494911.06	3859651.99	0.01082	0.00743	0.00666	0.01313	0.00729	0.07603	0.00727	0.00743	0.19974145	0.000316135	1.597E-08	0.0012237	0.0060482	0.0189236	0.001187	0.00116392	0.226276
2119	494961.06	3859651.99	0.01074	0.00736	0.00659	0.01298	0.00728	0.0704	0.00721	0.00736	0.19826462	0.000313157	1.581E-08	0.0012097	0.0060399	0.0175223	0.001177	0.00115295	0.223374
2120	495011.06	3859651.99	0.01066	0.00728	0.00651	0.01282	0.00726	0.06546	0.00714	0.00728	0.19678779	0.000309753	1.561E-08	0.0011948	0.0060233	0.0162928	0.001165	0.00114042	0.220633
2121	495061.06	3859651.99	0.01057	0.00723	0.00646	0.01271	0.00726	0.06108	0.00709	0.00723	0.19512635	0.000307625	1.549E-08	0.0011845	0.0060233	0.0152026	0.001157	0.00113259	0.217869
2122	495111.06	3859651.99	0.01049	0.00715	0.00637	0.01253	0.00723	0.05696	0.00701	0.00715	0.19364952	0.000304221	1.528E-08	0.0011677	0.0059984	0.0141772	0.001144	0.00112006	0.215321
2123	495161.06	3859651.99	0.01041	0.00709	0.0063	0.0124	0.00722	0.05328	0.00696	0.00709	0.19217269	0.000301669	1.511E-08	0.0011556	0.0059901	0.0132612	0.001136	0.00111066	0.212907
2124	495211.06	3859651.99	0.01033	0.00704	0.00625	0.01229	0.00722	0.05005	0.00691	0.00704	0.19069586	0.000299541	1.499E-08	0.0011454	0.0059901	0.0124573	0.001128	0.00110282	0.210613
2125	495261.06	3859651.99	0.01025	0.00698	0.00618	0.01216	0.0072	0.04716	0.00685	0.00698	0.18921903	0.000296988	1.482E-08	0.0011333	0.0059735	0.011738	0.001118	0.00109343	0.208385
2126	495311.06	3859651.99	0.01018	0.00693	0.00613	0.01205	0.0072	0.04468	0.0068	0.00693	0.1879268	0.000294861	1.47E-08	0.001123	0.0059735	0.0111207	0.00111	0.00108559	0.206463
2127	495361.06	3859651.99	0.0101	0.00688	0.00607	0.01194	0.00719	0.04253	0.00676	0.00688	0.18644997	0.000292733	1.456E-08	0.0011128	0.0059652	0.0105856	0.001103	0.00107776	0.204432
2128	495411.06	3859651.99	0.01003	0.00682	0.00601	0.01182	0.00717	0.04056	0.0067	0.00682	0.18515774	0.00029018	1.441E-08	0.0011016	0.0059486	0.0100952	0.001094	0.00106836	0.202619
2129	495461.06	3859651.99	0.00996	0.00672	0.00591	0.01162	0.00713	0.03863	0.00661	0.00672	0.18386551	0.000285926	1.417E-08	0.0010829	0.0059154	0.0096149	0.001079	0.0010527	0.200791
2130	495511.06	3859651.99	0.00988	0.00664	0.00582	0.01144	0.0071	0.0369	0.00654	0.00664	0.18238868	0.000282522	1.396E-08	0.0010662	0.0058906	0.0091843	0.001068	0.00104016	0.19884
2131	495561.06	3859651.99	0.0098	0.00659	0.00577	0.01134	0.00709	0.03547	0.00649	0.00659	0.18091185	0.000280394	1.384E-08	0.0010568	0.0058823	0.0088284	0.001059	0.00103233	0.196987
2132	495611.06	3859651.99	0.00973	0.00653	0.0057	0.01121	0.00706	0.0341	0.00644	0.00653	0.17961962	0.000277841	1.367E-08	0.0010447	0.0058574	0.0084874	0.001051	0.00102293	0.195315
2133	495661.06	3859651.99	0.00965	0.00646	0.00563	0.01107	0.00704	0.03282	0.00637	0.00646	0.17814279	0.000274863	1.35E-08	0.0010317	0.0058408	0.0081688	0.00104	0.00101197	0.193487
2134	494311.06	3859701.99	0.01173	0.0086	0.00756	0.01542	0.00718	0.06272	0.0084	0.0086	0.21654041	0.000365917	1.813E-08	0.0014371	0.0059569	0.0156108	0.001371	0.0013472	0.239935
2135	494361.06	3859701.99	0.01164	0.0085	0.00745	0.01515	0.00717	0.08629	0.0083	0.0085	0.21487898	0.000361662	1.787E-08	0.0014119	0.0059486	0.0214773	0.001355	0.00133154	0.244102
2136	494411.06	3859701.99	0.01154	0.00843	0.00739	0.01499	0.00719	0.14971	0.00824	0.00843	0.21303294	0.000358683	1.772E-08	0.001397	0.0059652	0.0372623	0.001345	0.00132057	0.258041
2137	494461.06	3859701.99	0.0114	0.00845	0.0074	0.01499	0.00722	0.20255	0.00825	0.00845	0.21044848	0.000359534	1.775E-08	0.001397	0.0059901	0.050414	0.001347	0.0013237	0.268632
2138	494511.06	3859701.99	0.01131	0.00835	0.00731	0.01476	0.00721	0.21679	0.00816	0.00835	0.20878705	0.00035528	1.753E-08	0.0013756	0.0059818	0.0539583	0.001332	0.00130804	0.270482
2139	494561.06	3859701.99	0.01121	0.00828	0.00724	0.0146	0.00722	0.14695	0.00809	0.00828	0.20694101	0.000352301	1.736E-08	0.0013607	0.0059901	0.0365754	0.001321	0.00129707	0.251243
2140	494611.06	3859701.99	0.01112	0.00821	0.00717	0.01442	0.00722	0.11461	0.00802	0.00821	0.20527957	0.000349323	1.72E-08	0.0013439	0.0059901	0.028526	0.001309	0.00128611	0.241512
2141	494661.06	3859701.99	0.01107	0.00798	0.00696	0.01396	0.00717	0.09529	0.00781	0.00798	0.20435655	0.000339537	1.669E-08	0.001301	0.0059486	0.0237174	0.001275	0.00125008	0.235688
2142	494711.06	3859701.99	0.01097	0.00795	0.00693	0.01387	0.00718	0.08513	0.00777	0.00795	0.20251051	0.00033826	1.662E-08	0.0012926	0.0059569	0.0211886	0.001268	0.00124538	0.23131
2143	494761.06	3859701.99	0.01089	0.00784	0.00682	0.01364	0.00716	0.07727	0.00767	0.00784	0.20103368	0.00033358	1.636E-08	0.0012712	0.0059403	0.0192322	0.001252	0.00122815	0.227835
2144	494811.06	3859701.99	0.01081	0.00774	0.00672	0.01341	0.00714	0.0708	0.00757	0.00774	0.19955685	0.000329325	1.612E-08	0.0012498	0.0059237	0.0176219	0.001236	0.00121248	0.224705
2145	494861.06	3859701.99	0.01071	0.00771	0.0067	0.01335	0.00715	0.06603	0.00755	0.00771	0.19771081	0.000328049	1.607E-08	0.0012442	0.005932	0.0164346	0.001232	0.00120778	0.221674
2146	494911.06	3859701.99	0.01063	0.00763	0.00661	0.01316	0.00713	0.06161	0.00746	0.00763	0.19623398	0.000324645	1.585E-08	0.0012265	0.0059154	0.0153345	0.001218	0.00119525	0.219057
2147	494961.06	3859701.99	0.01055	0.00754	0.00653	0.01298	0.00711	0.05805	0.00738	0.00754	0.19475715	0.000320815	1.566E-08	0.0012097	0.0058988	0.0144484	0.001205	0.00118115	0.216658
2148	495011.06	3859701.99	0.01046	0.00749	0.00648	0.01286	0.00711	0.05503	0.00734	0.00749	0.19309571	0.000318688	1.554E-08	0.0011985	0.0058988	0.0136968	0.001198	0.00117332	0.214233
2149	495061.06	3859701.99	0.01038	0.00742	0.00641	0.01271	0.0071	0.05227	0.00727	0.00742	0.19161888	0.00031571	1.537E-08	0.0011845	0.0058906	0.0130098	0.001187	0.00116235	0.212044
2150	495111.06	3859701.99	0.01031	0.00735	0.00634	0.01257	0.00709	0.04977	0.0072	0.00735	0.19032665	0.000312731	1.521E-08	0.0011715	0.0058823	0.0123876	0.001175	0.00115139	0.210105
2151	495161.06	3859701.99	0.01023	0.00727	0.00626	0.01241	0.00707	0.04745	0.00713	0.00727	0.18884982	0.000309327	1.501E-08	0.0011566	0.0058657	0.0118101	0.001164	0.00113885	0.208016
2152	495211.06	3859701.99	0.01016	0.00719	0.00618	0.01225	0.00705	0.04529	0.00705	0.00719	0.18755759	0.000305923	1.482E-08	0.0011416	0.0058491	0.0112725	0.001151	0.00112632	0.206151
2153	495261.06	3859701.99	0.01007	0.00716	0.00615	0.01218	0.00706	0.04348	0.00703	0.00716	0.18589616	0.000304647	1.475E-08	0.0011351	0.0058574	0.010822	0.001147	0.00112162	0.204041
2154	495311.06	3859701.99	0.01	0.00709	0.00608	0.01204	0.00704	0.04165	0.00696	0.00709	0.18460393	0.000301669	1.458E-08	0.0011221	0.0058408	0.0103665	0.001136	0.00111066	0.20226
2155	495361.06	3859701.99	0.00993	0.00703	0.00602	0.0119	0.00703	0.03997	0.0069	0.00703	0.1833117	0.000299116	1.444E-08	0.001109	0.0058325	0.0099484	0.001126	0.00110126	0.200526
2156	495411.06	3859701.99	0.00986	0.00694	0.00593	0.01173	0.007	0.03831	0.00682	0.00694	0.18201948	0.000295286	1.422E-08	0.0010932	0.0058076	0.0095352	0.001113	0.00108716	0.198777
2157	495461.06	3859701.99	0.00979	0.00687	0.00586	0.01159	0.00698	0.03682	0.00675	0.00687	0.18072725	0.000292308	1.405E-08	0.0010801	0.005791	0.0091644	0.001102	0.00107619	0.197081
2158	495511.06	3859701.99	0.00973	0.00676	0.00575	0.01137	0.00693	0.03522	0.00665	0.00676	0.17961962	0.000287628	1.379E-08	0.0010596	0.0057495	0.0087661	0.001085	0.00105896	0.195509
2159	495561.06	3859701.99	0.00966	0.00675	0.00574	0.01134	0.00695	0.03415	0.00664	0.00675	0.1783274	0.000287202	1.377E-08	0.0010568	0.0057661	0.0084998	0.001084	0.0010574	0.193964
2160	495611.06	3859701.99	0.00959	0.00669	0.00568	0.01122	0.00693	0.03296	0.00658	0.00669	0.17703517	0.000284649	1.362E-08	0.0010457	0.0057495	0.0082036	0.001074	0.001048	0.192345
2161	495661.06	3859701.99	0.00952	0.00662	0.00561	0.01108	0.00691	0.03182	0.00652	0.00662	0.17574294	0.000281671	1.345E-08	0.0010326	0.0057329	0.0079199	0.001064	0.00103703	0.190737
2162	494311.06	3859751.99	0.0115	0.00886	0.00743	0.01545	0.00693	0.06368	0.00865	0.00886	0.21229452	0.000376979	1.782E-08	0.0014399	0.0057495	0.0158497	0.001412	0.00138793	0.235735

2163	494361.06	3859751.99	0.01141	0.00875	0.00734	0.01521	0.00694	0.08718	0.00855	0.00875	0.21063308	0.000372299	1.76E-08	0.0014175	0.0057578	0.0216988	0.001396	0.0013707	0.239904
2164	494411.06	3859751.99	0.01132	0.00862	0.00723	0.01494	0.00695	0.14952	0.00843	0.00862	0.20897165	0.000366768	1.734E-08	0.0013923	0.0057661	0.037215	0.001376	0.00135033	0.253738
2165	494461.06	3859751.99	0.01119	0.00862	0.00723	0.01488	0.00698	0.20449	0.00842	0.00862	0.2065718	0.000366768	1.734E-08	0.0013868	0.005791	0.0508969	0.001374	0.00135033	0.265037
2166	494511.06	3859751.99	0.01108	0.00858	0.00719	0.01477	0.00699	0.21457	0.00838	0.00858	0.20454115	0.000365066	1.724E-08	0.0013765	0.0057993	0.0534057	0.001368	0.00134407	0.265512
2167	494561.06	3859751.99	0.01099	0.00848	0.00711	0.01456	0.007	0.14428	0.00829	0.00848	0.20287972	0.000360811	1.705E-08	0.0013569	0.0058076	0.0359108	0.001353	0.0013284	0.246341
2168	494611.06	3859751.99	0.01091	0.00836	0.00701	0.01431	0.007	0.11045	0.00817	0.00836	0.20140289	0.000355705	1.681E-08	0.0013336	0.0058076	0.0274906	0.001334	0.0013096	0.236414
2169	494661.06	3859751.99	0.01085	0.00816	0.00686	0.01394	0.00698	0.09102	0.00797	0.00816	0.20029526	0.000347195	1.645E-08	0.0012992	0.005791	0.0226546	0.001301	0.00127827	0.23041
2170	494711.06	3859751.99	0.01075	0.00815	0.00683	0.01386	0.00698	0.08008	0.00797	0.00815	0.19844923	0.00034677	1.638E-08	0.0012917	0.005791	0.0199316	0.001301	0.00127671	0.225835
2171	494761.06	3859751.99	0.01066	0.00809	0.00677	0.01371	0.00699	0.0718	0.00791	0.00809	0.19678779	0.000344217	1.624E-08	0.0012777	0.0057993	0.0178708	0.001291	0.00126731	0.222104
2172	494811.06	3859751.99	0.01058	0.00799	0.00668	0.0135	0.00697	0.06532	0.00781	0.00799	0.19531096	0.000339962	1.602E-08	0.0012581	0.0057827	0.0162579	0.001275	0.00125164	0.218973
2173	494861.06	3859751.99	0.0105	0.00791	0.00662	0.01335	0.00697	0.06054	0.00774	0.00791	0.19383413	0.000336558	1.588E-08	0.0012442	0.0057827	0.0150682	0.001263	0.00123911	0.21629
2174	494911.06	3859751.99	0.01042	0.00784	0.00655	0.01319	0.00696	0.05658	0.00767	0.00784	0.1923573	0.00033358	1.571E-08	0.0012293	0.0057744	0.0140826	0.001252	0.00122815	0.213801
2175	494961.06	3859751.99	0.01034	0.00777	0.00649	0.01304	0.00696	0.05339	0.0076	0.00777	0.19088046	0.000330602	1.557E-08	0.0012153	0.0057744	0.0132886	0.001241	0.00121718	0.211513
2176	495011.06	3859751.99	0.01026	0.00769	0.00642	0.01287	0.00695	0.05067	0.00753	0.00769	0.18940363	0.000327198	1.54E-08	0.0011994	0.0057661	0.0126116	0.001229	0.00120465	0.209332
2177	495061.06	3859751.99	0.01018	0.00764	0.00637	0.01276	0.00694	0.04837	0.00747	0.00764	0.1879268	0.00032507	1.528E-08	0.0011892	0.0057578	0.0120391	0.001219	0.00119682	0.207261
2178	495111.06	3859751.99	0.0101	0.00756	0.0063	0.0126	0.00693	0.04625	0.0074	0.00756	0.18644997	0.000321666	1.511E-08	0.0011743	0.0057495	0.0115115	0.001208	0.00118428	0.205231
2179	495161.06	3859751.99	0.01003	0.00748	0.00623	0.01244	0.00692	0.04429	0.00733	0.00748	0.18515774	0.000318262	1.494E-08	0.0011594	0.0057412	0.0110236	0.001196	0.00117175	0.203425
2180	495211.06	3859751.99	0.00996	0.0074	0.00615	0.01228	0.0069	0.0425	0.00725	0.0074	0.18386551	0.000314859	1.475E-08	0.0011444	0.0057246	0.0105781	0.001183	0.00115922	0.201652
2181	495261.06	3859751.99	0.00989	0.00734	0.0061	0.01217	0.0069	0.04096	0.0072	0.00734	0.18257329	0.000312306	1.463E-08	0.0011342	0.0057246	0.0101948	0.001175	0.00114982	0.199965
2182	495311.06	3859751.99	0.00982	0.00727	0.00603	0.01202	0.00688	0.03947	0.00713	0.00727	0.18128106	0.000309327	1.446E-08	0.0011202	0.005708	0.0098239	0.001164	0.00113885	0.198268
2183	495361.06	3859751.99	0.00975	0.0072	0.00597	0.01189	0.00687	0.0381	0.00707	0.0072	0.17998883	0.000306349	1.432E-08	0.0011081	0.0056997	0.009483	0.001154	0.00112789	0.196612
2184	495411.06	3859751.99	0.00968	0.00714	0.00591	0.01176	0.00686	0.0368	0.007	0.00714	0.1786966	0.000303796	1.417E-08	0.001096	0.0056914	0.0091594	0.001143	0.00111849	0.194971
2185	495461.06	3859751.99	0.00962	0.00705	0.00583	0.01159	0.00684	0.03545	0.00692	0.00705	0.17758898	0.000299967	1.398E-08	0.0010801	0.0056748	0.0088234	0.00113	0.00110439	0.193492
2186	495511.06	3859751.99	0.00956	0.00696	0.00575	0.01142	0.00681	0.03416	0.00683	0.00696	0.17648136	0.000296137	1.379E-08	0.0010643	0.00565	0.0085023	0.001115	0.00109029	0.192019
2187	495561.06	3859751.99	0.00949	0.0069	0.00569	0.0113	0.0068	0.03304	0.00678	0.0069	0.17518913	0.000293584	1.365E-08	0.0010531	0.0056417	0.0082235	0.001107	0.00108089	0.190427
2188	495611.06	3859751.99	0.00942	0.00684	0.00563	0.01119	0.00678	0.03198	0.00672	0.00684	0.1738969	0.000291031	1.35E-08	0.0010429	0.0056251	0.0079597	0.001097	0.00107149	0.188841
2189	495661.06	3859751.99	0.00936	0.00679	0.00559	0.01109	0.00678	0.03103	0.00668	0.00679	0.17278928	0.000288904	1.341E-08	0.0010335	0.0056251	0.0077233	0.00109	0.00106366	0.187487
2190	494311.06	3859801.99	0.01126	0.00912	0.00729	0.01544	0.00666	0.06514	0.00891	0.00912	0.20786403	0.000388042	1.748E-08	0.0014389	0.0055255	0.0162131	0.001454	0.00142866	0.231455
2191	494361.06	3859801.99	0.01118	0.00896	0.00718	0.01513	0.00668	0.08779	0.00876	0.00896	0.20638719	0.000381234	1.722E-08	0.0014101	0.0055421	0.0218506	0.00143	0.00140359	0.235598
2192	494411.06	3859801.99	0.0111	0.0088	0.00706	0.01482	0.0067	0.1491	0.00861	0.0088	0.20491036	0.000374426	1.693E-08	0.0013812	0.0055587	0.0371105	0.001405	0.00137853	0.249362
2193	494461.06	3859801.99	0.01098	0.00879	0.00705	0.01475	0.00673	0.21438	0.00859	0.00879	0.20269512	0.000374001	1.691E-08	0.0013746	0.0055836	0.0533585	0.001402	0.00137696	0.263411
2194	494511.06	3859801.99	0.01086	0.00879	0.00704	0.01469	0.00675	0.20981	0.00859	0.00879	0.20047987	0.000374001	1.688E-08	0.001369	0.0056002	0.052221	0.001402	0.00137696	0.260069
2195	494561.06	3859801.99	0.01077	0.0087	0.00697	0.01449	0.00677	0.14299	0.0085	0.0087	0.19881843	0.000370172	1.672E-08	0.0013504	0.0056168	0.0355897	0.001387	0.00136287	0.24177
2196	494611.06	3859801.99	0.01071	0.00852	0.00684	0.01416	0.00677	0.1096	0.00833	0.00852	0.19771081	0.000362513	1.64E-08	0.0013197	0.0056168	0.0272791	0.00136	0.00133467	0.232314
2197	494661.06	3859801.99	0.01062	0.00842	0.00676	0.01395	0.00677	0.09072	0.00823	0.00842	0.19604937	0.000358258	1.621E-08	0.0013001	0.0056168	0.0225799	0.001343	0.001319	0.225929
2198	494711.06	3859801.99	0.01055	0.0083	0.00666	0.01372	0.00677	0.07824	0.00811	0.0083	0.19475715	0.000353152	1.597E-08	0.0012786	0.0056168	0.0194737	0.001324	0.00130021	0.221503
2199	494761.06	3859801.99	0.01044	0.00829	0.00666	0.01367	0.00679	0.07031	0.00811	0.00829	0.1927265	0.000352727	1.597E-08	0.001274	0.0056334	0.0174999	0.001324	0.00129864	0.217512
2200	494811.06	3859801.99	0.01037	0.0082	0.00658	0.01348	0.00678	0.06393	0.00801	0.0082	0.19143428	0.000348897	1.578E-08	0.0012563	0.0056251	0.015912	0.001307	0.00128454	0.214599
2201	494861.06	3859801.99	0.01028	0.00813	0.00653	0.01334	0.00679	0.05916	0.00795	0.00813	0.18977284	0.000345919	1.566E-08	0.0012432	0.0056334	0.0147247	0.001298	0.00127357	0.211744
2202	494911.06	3859801.99	0.01021	0.00803	0.00645	0.01314	0.00678	0.05505	0.00785	0.00803	0.18848061	0.000341664	1.547E-08	0.0012246	0.0056251	0.0137018	0.001281	0.00125791	0.209397
2203	494961.06	3859801.99	0.01013	0.00795	0.00639	0.01299	0.00677	0.05184	0.00778	0.00795	0.18700378	0.00033826	1.533E-08	0.0012106	0.0056168	0.0129028	0.00127	0.00124538	0.207097
2204	495011.06	3859801.99	0.01006	0.00788	0.00632	0.01284	0.00677	0.04914	0.00771	0.00788	0.18571155	0.000335282	1.516E-08	0.0011966	0.0056168	0.0122308	0.001258	0.00123441	0.205115
2205	495061.06	3859801.99	0.00998	0.00781	0.00627	0.01271	0.00677	0.04684	0.00765	0.00781	0.18423472	0.000332303	1.504E-08	0.0011845	0.0056168	0.0116583	0.001249	0.00122345	0.203052
2206	495111.06	3859801.99	0.00991	0.00773	0.0062	0.01254	0.00675	0.04465	0.00756	0.00773	0.1829425	0.0003289	1.487E-08	0.0011687	0.0056002	0.0111132	0.001234	0.00121091	0.201177
2207	495161.06	3859801.99	0.00984	0.00764	0.00613	0.01238	0.00674	0.04271	0.00748	0.00764	0.18165027	0.00032507	1.47E-08	0.0011538	0.0055919	0.0106304	0.001221	0.00119682	0.199376
2208	495211.06	3859801.99	0.00977	0.00758	0.00608	0.01226	0.00674	0.04109	0.00743	0.00758	0.18035804	0.000322517	1.458E-08	0.0011426	0.0055919	0.0102272	0.001213	0.00118742	0.197668
2209	495261.06	3859801.99	0.0097	0.0075	0.00601	0.01211	0.00673	0.03952	0.00735	0.0075	0.17906581	0.000319113	1.441E-08	0.0011286	0.0055836	0.0098364	0.0012	0.00117488	0.195958
2210	495311.06	3859801.99	0.00963	0.00745	0.00597	0.012	0.00672	0.03822	0.0073	0.00745	0.17777359	0.000316986	1.432E-08	0.0011184	0.0055753	0.0095128	0.001192	0.00116705	0.194322
2211	495361.06	3859801.99	0.00956	0.00737	0.0059	0.01186	0.00671	0.03692	0.00723	0.00737	0.17648136	0.000313582	1.415E-08	0.0011053	0.005567	0.0091893	0.00118	0.00115452	0.192682
2212	495411.06	3859801.99	0.0095	0.00729	0.00583	0.0117	0.00669	0.03564	0.00715	0.00729	0.17537373	0.000310178	1.398E-08	0.0010904	0.0055504	0.0088707	0.001167	0.00114199	0.19122
2213	495461.06	3859801.99	0.00944	0.00722	0.00578	0.01158	0.00668	0.03448	0.00708	0.00722	0.17426611	0.0003072	1.386E-08	0.0010792	0.0055421	0.008582	0.001156	0.00113102	0.189801
2214	495511.06	3859801.99	0.00938	0.00713	0.00569	0.0114	0.00666	0.03326	0.007	0.00713	0.17315849	0.000303371	1.365E-08	0.0010624	0.0055255	0.0082783	0.001143	0.00111692	0.188354
2215	495561.06	3859801.99	0.00931	0.00707	0.00565	0.0113	0.00665	0.03226	0.00694	0.00707	0.17186626	0.000300818	1.355E-08	0.0010531	0.0055172	0.0080294	0.001133	0.00110752	0.186792
2216	495611.06	3859801.99	0.00924	0.00704	0.00562	0.01123	0.00665	0.0314	0.00691	0.00704	0.17057403	0.000299541	1.348E-08	0.0010466	0.0055172	0.0078154	0.001128	0.00110282	0.185278
2217	495661.06	3859801.99	0.00919	0.00695	0.00554	0.01108	0.00663	0.03038	0.00683	0.00695	0.16965101	0.000295712	1.329E-08	0.0010326	0.0055006	0.0075615	0.001115	0.00108873	0.184068
2218	494311.06	3859851.99	0.01102	0.00933	0.00712	0.01531	0.00638	0.06743	0.00912	0.00933	0.20343353	0.000396977	1.708E-08	0.0014268	0.0052932	0.0167831	0.001489	0.00146156	0.227361
2219	494361.06	3859851.99	0.01093	0.0092	0.00703	0.01506	0.00642	0.08928	0.009	0.0092	0.2017721	0.000391446	1.686E-08	0.0014035	0.0053264	0.0222215	0.001469	0.00144119	0.231143

2220	494411.06	3859851.99	0.01085	0.00906	0.00694	0.01478	0.00644	0.14901	0.00886	0.00906	0.20029526	0.000385489	1.664E-08	0.0013774	0.005343	0.0370881	0.001446	0.00141926	0.244516
2221	494461.06	3859851.99	0.01076	0.00895	0.00686	0.01456	0.00647	0.20824	0.00875	0.00895	0.19863383	0.000380809	1.645E-08	0.0013569	0.0053679	0.0518302	0.001428	0.00140203	0.257596
2222	494511.06	3859851.99	0.01065	0.00891	0.00683	0.01446	0.0065	0.21648	0.00872	0.00891	0.19660319	0.000379107	1.638E-08	0.0013476	0.0053928	0.0538811	0.001423	0.00139576	0.257631
2223	494561.06	3859851.99	0.01054	0.0089	0.00681	0.01439	0.00652	0.14408	0.0087	0.0089	0.19457254	0.000378681	1.633E-08	0.0013411	0.0054094	0.035861	0.00142	0.0013942	0.237589
2224	494611.06	3859851.99	0.01049	0.0087	0.00668	0.01404	0.00653	0.11098	0.00851	0.0087	0.19364952	0.000370172	1.602E-08	0.0013085	0.0054176	0.0276225	0.001389	0.00136287	0.228395
2225	494661.06	3859851.99	0.01039	0.00865	0.00664	0.01392	0.00655	0.0921	0.00846	0.00865	0.19180348	0.000368044	1.592E-08	0.0012973	0.0054342	0.0229234	0.001381	0.00135503	0.221852
2226	494711.06	3859851.99	0.01032	0.00851	0.00654	0.01366	0.00656	0.07919	0.00832	0.00851	0.19051126	0.000362087	1.569E-08	0.0012731	0.0054425	0.0197101	0.001358	0.0013331	0.217324
2227	494761.06	3859851.99	0.01022	0.00849	0.00653	0.0136	0.00657	0.07105	0.0083	0.00849	0.18866522	0.000361236	1.566E-08	0.0012675	0.0054508	0.0176841	0.001355	0.00132997	0.213454
2228	494811.06	3859851.99	0.01015	0.0084	0.00646	0.01342	0.00658	0.06457	0.00822	0.0084	0.18737299	0.000357407	1.549E-08	0.0012507	0.0054591	0.0160713	0.001342	0.00131587	0.210537
2229	494861.06	3859851.99	0.01006	0.00835	0.00642	0.0133	0.00659	0.05969	0.00816	0.00835	0.18571155	0.00035528	1.54E-08	0.0012395	0.0054674	0.0148566	0.001332	0.00130804	0.207654
2230	494911.06	3859851.99	0.00999	0.00824	0.00635	0.01311	0.00659	0.05544	0.00806	0.00824	0.18441933	0.000350599	1.523E-08	0.0012218	0.0054674	0.0137988	0.001316	0.00129081	0.205283
2231	494961.06	3859851.99	0.00992	0.00817	0.00629	0.01296	0.00659	0.05202	0.00799	0.00817	0.1831271	0.000347621	1.509E-08	0.0012078	0.0054674	0.0129476	0.001304	0.00127984	0.203122
2232	495011.06	3859851.99	0.00984	0.00809	0.00623	0.01281	0.00659	0.04913	0.00791	0.00809	0.18165027	0.000344217	1.494E-08	0.0011938	0.0054674	0.0122283	0.001291	0.00126731	0.200908
2233	495061.06	3859851.99	0.00977	0.00802	0.00618	0.01268	0.00659	0.0467	0.00785	0.00802	0.18035804	0.000341239	1.482E-08	0.0011817	0.0054674	0.0116235	0.001281	0.00125634	0.198997
2234	495111.06	3859851.99	0.0097	0.00792	0.00611	0.01251	0.00658	0.04439	0.00775	0.00792	0.17906581	0.000336984	1.465E-08	0.0011659	0.0054591	0.0110485	0.001265	0.00124068	0.197101
2235	495161.06	3859851.99	0.00964	0.00784	0.00605	0.01236	0.00658	0.04242	0.00768	0.00784	0.17795819	0.00033358	1.451E-08	0.0011519	0.0054591	0.0105582	0.001254	0.00122815	0.195486
2236	495211.06	3859851.99	0.00957	0.00777	0.00599	0.01222	0.00657	0.04069	0.00761	0.00777	0.17666596	0.000330602	1.437E-08	0.0011389	0.0054508	0.0101276	0.001242	0.00121718	0.193739
2237	495261.06	3859851.99	0.0095	0.00769	0.00593	0.01208	0.00656	0.0391	0.00753	0.00769	0.17537373	0.000327198	1.422E-08	0.0011258	0.0054425	0.0097319	0.001229	0.00120465	0.192026
2238	495311.06	3859851.99	0.00944	0.00763	0.00589	0.01197	0.00656	0.03771	0.00747	0.00763	0.17426611	0.000324645	1.413E-08	0.0011156	0.0054425	0.0093859	0.001219	0.00119525	0.190559
2239	495361.06	3859851.99	0.00937	0.00756	0.00584	0.01184	0.00655	0.03639	0.00741	0.00756	0.17297388	0.000321666	1.401E-08	0.0011034	0.0054342	0.0090573	0.00121	0.00118428	0.188916
2240	495411.06	3859851.99	0.00931	0.00748	0.00577	0.0117	0.00654	0.03508	0.00733	0.00748	0.17186626	0.000318262	1.384E-08	0.0010904	0.0054259	0.0087313	0.001196	0.00117175	0.187457
2241	495461.06	3859851.99	0.00925	0.0074	0.00571	0.01155	0.00653	0.03387	0.00725	0.0074	0.17075864	0.000314859	1.369E-08	0.0010764	0.0054176	0.0084301	0.001183	0.00115922	0.186022
2242	495511.06	3859851.99	0.0092	0.00731	0.00564	0.0114	0.00651	0.0327	0.00717	0.00731	0.16983562	0.000311029	1.353E-08	0.0010624	0.0054011	0.0081389	0.00117	0.00114512	0.184774
2243	495561.06	3859851.99	0.00913	0.00726	0.0056	0.01131	0.00651	0.03176	0.00712	0.00726	0.16854339	0.000308902	1.343E-08	0.001054	0.0054011	0.007905	0.001162	0.00113729	0.183237
2244	495611.06	3859851.99	0.00907	0.00721	0.00556	0.01121	0.0065	0.03086	0.00707	0.00721	0.16743576	0.000306774	1.333E-08	0.0010447	0.0053928	0.0076809	0.001154	0.00112946	0.181886
2245	495661.06	3859851.99	0.00901	0.00713	0.00549	0.01107	0.00648	0.02989	0.007	0.00713	0.16632814	0.000303371	1.317E-08	0.0010317	0.0053762	0.0074395	0.001143	0.00111692	0.180505
2246	494311.06	3859901.99	0.01078	0.00954	0.00696	0.01516	0.0061	0.0717	0.00934	0.00954	0.19900304	0.000405912	1.669E-08	0.0014128	0.0050609	0.0178459	0.001525	0.00149445	0.223759
2247	494361.06	3859901.99	0.01071	0.00934	0.00684	0.01483	0.00614	0.09261	0.00915	0.00934	0.19771081	0.000397403	1.64E-08	0.0013821	0.0050941	0.0230503	0.001494	0.00146312	0.227665
2248	494411.06	3859901.99	0.01061	0.00928	0.0068	0.01468	0.00617	0.15104	0.00908	0.00928	0.19586477	0.00039485	1.631E-08	0.0013681	0.005119	0.0375933	0.001482	0.00145372	0.240368
2249	494461.06	3859901.99	0.01052	0.00918	0.00673	0.01448	0.00621	0.20305	0.00898	0.00918	0.19420333	0.000390595	1.614E-08	0.0013495	0.0051522	0.0505385	0.001466	0.00143806	0.251662
2250	494511.06	3859901.99	0.01042	0.00911	0.00668	0.01433	0.00624	0.22192	0.00891	0.00911	0.1923573	0.000387616	1.602E-08	0.0013355	0.005177	0.0552351	0.001454	0.00142709	0.25452
2251	494561.06	3859901.99	0.0103	0.00912	0.00668	0.01429	0.00627	0.14855	0.00892	0.00912	0.19014205	0.000388042	1.602E-08	0.0013318	0.0052019	0.0369736	0.001456	0.00142866	0.234065
2252	494611.06	3859901.99	0.01026	0.00891	0.00654	0.01395	0.00629	0.11473	0.00871	0.00891	0.18940363	0.000379107	1.569E-08	0.0013001	0.0052185	0.0285559	0.001422	0.00139576	0.224883
2253	494661.06	3859901.99	0.01015	0.0089	0.00653	0.01388	0.00631	0.09566	0.0087	0.0089	0.18737299	0.000378681	1.566E-08	0.0012936	0.0052351	0.0238094	0.00142	0.0013942	0.218116
2254	494711.06	3859901.99	0.0101	0.0087	0.00641	0.01356	0.00633	0.0819	0.00851	0.0087	0.18644997	0.000370172	1.537E-08	0.0012637	0.0052517	0.0203846	0.001389	0.00136287	0.213746
2255	494761.06	3859901.99	0.01001	0.00867	0.00638	0.01347	0.00635	0.07321	0.00848	0.00867	0.18478853	0.000368895	1.53E-08	0.0012553	0.0052683	0.0182217	0.001384	0.00135817	0.209929
2256	494811.06	3859901.99	0.00991	0.00863	0.00635	0.01338	0.00636	0.06674	0.00844	0.00863	0.1829425	0.000367193	1.523E-08	0.001247	0.0052766	0.0166114	0.001378	0.0013519	0.20647
2257	494861.06	3859901.99	0.00983	0.00857	0.00631	0.01325	0.00638	0.06141	0.00838	0.00857	0.18146566	0.00036464	1.513E-08	0.0012348	0.0052932	0.0152847	0.001368	0.0013425	0.203668
2258	494911.06	3859901.99	0.00977	0.00846	0.00624	0.01306	0.00639	0.05676	0.00827	0.00846	0.18035804	0.00035996	1.497E-08	0.0012171	0.0053015	0.0141274	0.00135	0.00132527	0.201389
2259	494961.06	3859901.99	0.00969	0.00839	0.00619	0.01293	0.00639	0.05312	0.00821	0.00839	0.17888121	0.000356982	1.485E-08	0.001205	0.0053015	0.0132214	0.00134	0.0013143	0.198992
2260	495011.06	3859901.99	0.00963	0.0083	0.00613	0.01276	0.0064	0.0499	0.00811	0.0083	0.17777359	0.000353152	1.47E-08	0.0011892	0.0053098	0.0124199	0.001324	0.00130021	0.197069
2261	495061.06	3859901.99	0.00956	0.00821	0.00607	0.01261	0.0064	0.04722	0.00803	0.00821	0.17648136	0.000349323	1.456E-08	0.0011752	0.0053098	0.0117529	0.001311	0.00128611	0.195093
2262	495111.06	3859901.99	0.0095	0.00811	0.006	0.01244	0.0064	0.04474	0.00794	0.00811	0.17537373	0.000345068	1.439E-08	0.0011594	0.0053098	0.0111356	0.001296	0.00127044	0.193349
2263	495161.06	3859901.99	0.00944	0.00802	0.00594	0.01228	0.00639	0.04257	0.00784	0.00802	0.17426611	0.000341239	1.425E-08	0.0011444	0.0053015	0.0105955	0.00128	0.00125634	0.191672
2264	495211.06	3859901.99	0.00937	0.00796	0.0059	0.01217	0.0064	0.0408	0.00779	0.00796	0.17297388	0.000338686	1.415E-08	0.0011342	0.0053098	0.010155	0.001272	0.00124694	0.189936
2265	495261.06	3859901.99	0.00931	0.00786	0.00582	0.012	0.00639	0.03894	0.00769	0.00786	0.17186626	0.000334431	1.396E-08	0.0011184	0.0053015	0.009692	0.001255	0.00123128	0.188337
2266	495311.06	3859901.99	0.00924	0.0078	0.00579	0.0119	0.00639	0.0375	0.00764	0.0078	0.17057403	0.000331878	1.389E-08	0.001109	0.0053015	0.0093336	0.001247	0.00122188	0.186675
2267	495361.06	3859901.99	0.00918	0.00773	0.00573	0.01177	0.00638	0.03605	0.00756	0.00773	0.16946641	0.0003289	1.374E-08	0.0010969	0.0052932	0.0089727	0.001234	0.00121091	0.185181
2268	495411.06	3859901.99	0.00913	0.00764	0.00567	0.01162	0.00637	0.03466	0.00748	0.00764	0.16854339	0.00032507	1.36E-08	0.0010829	0.0052849	0.0086268	0.001221	0.00119682	0.183887
2269	495461.06	3859901.99	0.00907	0.00756	0.00561	0.01149	0.00636	0.03343	0.00741	0.00756	0.16743576	0.000321666	1.345E-08	0.0010708	0.0052766	0.0083206	0.00121	0.00118428	0.182451
2270	495511.06	3859901.99	0.00901	0.0075	0.00557	0.01139	0.00636	0.03239	0.00735	0.0075	0.16632814	0.000319113	1.336E-08	0.0010615	0.0052766	0.0080618	0.0012	0.00117488	0.181072
2271	495561.06	3859901.99	0.00894	0.00745	0.00554	0.01129	0.00635	0.03142	0.0073	0.00745	0.16503591	0.000316986	1.329E-08	0.0010522	0.0052683	0.0078203	0.001192	0.00116705	0.179518
2272	495611.06	3859901.99	0.00889	0.00737	0.00548	0.01116	0.00634	0.03041	0.00723	0.00737	0.16411289	0.000313582	1.314E-08	0.0010401	0.00526	0.0075689	0.00118	0.00115452	0.178321
2273	495661.06	3859901.99	0.00884	0.00729	0.00542	0.01102	0.00633	0.02944	0.00715	0.00729	0.16318987	0.000310178	1.3E-08	0.001027	0.0052517	0.0073275	0.001167	0.00114199	0.177131
2274	494311.06	3859951.99	0.01052	0.00978	0.00684	0.01503	0.00586	0.08067	0.00958	0.00978	0.19420333	0.000416124	1.64E-08	0.0014007	0.0048618	0.0200785	0.001564	0.00153205	0.220992
2275	494361.06	3859951.99	0.01044	0.00963	0.00675	0.01478	0.00589	0.10212	0.00944	0.00963	0.1927265	0.000409742	1.619E-08	0.0013774	0.0048867	0.0254173	0.001541	0.00150855	0.22485
2276	494411.06	3859951.99	0.01036	0.00951	0.00667	0.01455	0.00592	0.15877	0.00931	0.00951	0.19124967	0.000404636	1.6E-08	0.001356	0.0049116	0.0395173	0.00152	0.00148975	0.237469

2277	494461.06	3859951.99	0.01027	0.0094	0.0066	0.01436	0.00594	0.21485	0.00921	0.0094
2278	494511.06	3859951.99	0.01018	0.00933	0.00656	0.01421	0.00598	0.23359	0.00914	0.00933
2279	494561.06	3859951.99	0.01005	0.00937	0.00657	0.0142	0.00602	0.15829	0.00917	0.00937
2280	494611.06	3859951.99	0.01	0.00917	0.00645	0.0139	0.00604	0.1236	0.00898	0.00917
2281	494661.06	3859951.99	0.0099	0.00916	0.00643	0.01382	0.00607	0.10255	0.00896	0.00916
2282	494711.06	3859951.99	0.00985	0.00898	0.00633	0.01355	0.00609	0.08749	0.00878	0.00898
2283	494761.06	3859951.99	0.00977	0.00892	0.00628	0.01342	0.00612	0.07736	0.00872	0.00892
2284	494811.06	3859951.99	0.00969	0.00884	0.00623	0.01328	0.00614	0.06965	0.00865	0.00884
2285	494861.06	3859951.99	0.0096	0.0088	0.0062	0.01319	0.00616	0.06376	0.00861	0.0088
2286	494911.06	3859951.99	0.00954	0.00868	0.00613	0.013	0.00617	0.05854	0.00849	0.00868
2287	494961.06	3859951.99	0.00948	0.00858	0.00607	0.01283	0.00618	0.05428	0.00839	0.00858
2288	495011.06	3859951.99	0.00942	0.00849	0.00601	0.01267	0.00619	0.05076	0.0083	0.00849
2289	495061.06	3859951.99	0.00935	0.00841	0.00596	0.01254	0.0062	0.04784	0.00823	0.00841
2290	495111.06	3859951.99	0.00929	0.0083	0.00589	0.01236	0.00621	0.04515	0.00812	0.0083
2291	495161.06	3859951.99	0.00923	0.0082	0.00583	0.0122	0.00621	0.04278	0.00803	0.0082
2292	495211.06	3859951.99	0.00918	0.00811	0.00577	0.01205	0.00621	0.04068	0.00794	0.00811
2293	495261.06	3859951.99	0.00911	0.00803	0.00572	0.01192	0.00621	0.03888	0.00786	0.00803
2294	495311.06	3859951.99	0.00905	0.00799	0.00569	0.01183	0.00621	0.03739	0.00782	0.00799
2295	495361.06	3859951.99	0.00899	0.00792	0.00564	0.01172	0.00621	0.03593	0.00775	0.00792
2296	495411.06	3859951.99	0.00893	0.00783	0.00558	0.01157	0.00621	0.03449	0.00767	0.00783
2297	495461.06	3859951.99	0.00888	0.00775	0.00553	0.01144	0.0062	0.03321	0.00759	0.00775
2298	495511.06	3859951.99	0.00882	0.00767	0.00548	0.01132	0.0062	0.03201	0.00751	0.00767
2299	495561.06	3859951.99	0.00876	0.00764	0.00546	0.01125	0.0062	0.0311	0.00748	0.00764
2300	495611.06	3859951.99	0.00871	0.00755	0.0054	0.01112	0.00619	0.03004	0.0074	0.00755
2301	495661.06	3859951.99	0.00866	0.00746	0.00534	0.01097	0.00618	0.02901	0.00731	0.00746
2302	494311.06	3860001.99	0.01026	0.01002	0.00673	0.01487	0.0056	0.10351	0.00983	0.01002
2303	494361.06	3860001.99	0.01018	0.0099	0.00666	0.01467	0.00564	0.13318	0.00971	0.0099
2304	494411.06	3860001.99	0.01011	0.00973	0.00656	0.0144	0.00567	0.18914	0.00954	0.00973
2305	494461.06	3860001.99	0.01002	0.00965	0.00651	0.01424	0.0057	0.26005	0.00946	0.00965
2306	494511.06	3860001.99	0.00995	0.00952	0.00643	0.01403	0.00573	0.26657	0.00933	0.00952
2307	494561.06	3860001.99	0.0098	0.00961	0.00646	0.01408	0.00577	0.18041	0.00942	0.00961
2308	494611.06	3860001.99	0.00974	0.00947	0.00638	0.01386	0.0058	0.13676	0.00928	0.00947
2309	494661.06	3860001.99	0.00966	0.0094	0.00633	0.01372	0.00583	0.11011	0.0092	0.0094
2310	494711.06	3860001.99	0.00964	0.00914	0.00619	0.01337	0.00585	0.09173	0.00895	0.00914
2311	494761.06	3860001.99	0.00953	0.00915	0.00619	0.01334	0.00588	0.08054	0.00896	0.00915
2312	494811.06	3860001.99	0.00945	0.00909	0.00615	0.01322	0.0059	0.07189	0.0089	0.00909
2313	494861.06	3860001.99	0.00937	0.00905	0.00612	0.01311	0.00593	0.0653	0.00885	0.00905
2314	494911.06	3860001.99	0.00934	0.00882	0.00599	0.01281	0.00595	0.05906	0.00864	0.00882
2315	494961.06	3860001.99	0.00926	0.00877	0.00596	0.01271	0.00596	0.05482	0.00859	0.00877
2316	495011.06	3860001.99	0.00921	0.00867	0.0059	0.01255	0.00598	0.051	0.00848	0.00867
2317	495061.06	3860001.99	0.00913	0.00862	0.00586	0.01245	0.006	0.04807	0.00844	0.00862
2318	495111.06	3860001.99	0.00908	0.00851	0.0058	0.01229	0.00601	0.04527	0.00833	0.00851
2319	495161.06	3860001.99	0.00902	0.00841	0.00574	0.01213	0.00602	0.04283	0.00823	0.00841
2320	495211.06	3860001.99	0.00896	0.00836	0.00571	0.01204	0.00603	0.04092	0.00818	0.00836
2321	495261.06	3860001.99	0.0089	0.00827	0.00565	0.01189	0.00603	0.03897	0.00809	0.00827
2322	495311.06	3860001.99	0.00884	0.0082	0.00561	0.01178	0.00604	0.03731	0.00802	0.0082
2323	495361.06	3860001.99	0.0088	0.00807	0.00553	0.01159	0.00604	0.0355	0.0079	0.00807
2324	495411.06	3860001.99	0.00873	0.00804	0.00551	0.01152	0.00604	0.03428	0.00787	0.00804
2325	495461.06	3860001.99	0.00868	0.00796	0.00546	0.0114	0.00604	0.03295	0.00779	0.00796
2326	495511.06	3860001.99	0.00863	0.00788	0.00541	0.01129	0.00604	0.03174	0.00772	0.00788
2327	495561.06	3860001.99	0.00857	0.00784	0.00538	0.01121	0.00604	0.03072	0.00768	0.00784
2328	495611.06	3860001.99	0.00852	0.00775	0.00533	0.01107	0.00603	0.0296	0.00759	0.00775
2329	495661.06	3860001.99	0.00848	0.00766	0.00527	0.01094	0.00603	0.02858	0.0075	0.00766
2330	494411.06	3860051.99	0.00985	0.01001	0.00649	0.01429	0.00542	0.56697	0.00982	0.01001
2331	494461.06	3860051.99	0.00977	0.00989	0.00642	0.0141	0.00546	0.54135	0.0097	0.00989
2332	494511.06	3860051.99	0.00969	0.00978	0.00635	0.01392	0.00549	0.31154	0.00959	0.00978
2333	494561.06	3860051.99	0.00958	0.00979	0.00634	0.01387	0.00553	0.18495	0.0096	0.00979

0.18958824	0.000399956	1.583E-08	0.0013383	0.0049282	0.0534754	0.001503	0.00147252	0.249761
0.1879268	0.000396977	1.573E-08	0.0013243	0.0049613	0.0581398	0.001492	0.00146156	0.25278
0.18552695	0.000398679	1.576E-08	0.0013234	0.0049945	0.0393978	0.001497	0.00146782	0.23167
0.18460393	0.000390169	1.547E-08	0.0012954	0.0050111	0.0307636	0.001466	0.00143649	0.222094
0.18275789	0.000389744	1.542E-08	0.001288	0.005036	0.0255243	0.001463	0.00143493	0.215024
0.18183487	0.000382085	1.518E-08	0.0012628	0.0050526	0.021776	0.001433	0.00140673	0.210335
0.18035804	0.000379532	1.506E-08	0.0012507	0.0050775	0.0192546	0.001423	0.00139733	0.206346
0.17888121	0.000376128	1.494E-08	0.0012376	0.0050941	0.0173356	0.001412	0.0013848	0.202952
0.17721977	0.000374426	1.487E-08	0.0012293	0.0051107	0.0158696	0.001405	0.00137853	0.199831
0.17611215	0.000369321	1.47E-08	0.0012115	0.005119	0.0145704	0.001386	0.00135973	0.197408
0.17500453	0.000365066	1.456E-08	0.0011957	0.0051273	0.0135101	0.001369	0.00134407	0.195228
0.1738969	0.000361236	1.441E-08	0.0011808	0.0051356	0.012634	0.001355	0.00132997	0.193233
0.17260467	0.000357833	1.429E-08	0.0011687	0.0051439	0.0119072	0.001343	0.00131744	0.191208
0.17149705	0.000353152	1.413E-08	0.0011519	0.0051522	0.0112377	0.001325	0.00130021	0.189417
0.17038943	0.000348897	1.398E-08	0.001137	0.0051522	0.0106478	0.001311	0.00128454	0.187701
0.16946641	0.000345068	1.384E-08	0.001123	0.0051522	0.0101251	0.001296	0.00127044	0.186237
0.16817418	0.000341664	1.372E-08	0.0011109	0.0051522	0.0096771	0.001283	0.00125791	0.184481
0.16706656	0.000339962	1.365E-08	0.0011025	0.0051522	0.0093062	0.001276	0.00125164	0.182992
0.16595893	0.000336984	1.353E-08	0.0010923	0.0051522	0.0089429	0.001265	0.00124068	0.181508
0.16485131	0.000333154	1.338E-08	0.0010783	0.0051522	0.0085844	0.001252	0.00122658	0.180025
0.16392829	0.000329751	1.326E-08	0.0010662	0.0051439	0.0082659	0.001239	0.00121405	0.178759
0.16282067	0.000326347	1.314E-08	0.001055	0.0051439	0.0079672	0.001226	0.00120151	0.177337
0.16171304	0.00032507	1.309E-08	0.0010485	0.0051439	0.0077407	0.001221	0.00119682	0.175995
0.16079002	0.000321241	1.295E-08	0.0010363	0.0051356	0.0074769	0.001208	0.00118272	0.174785
0.159867	0.000317411	1.281E-08	0.0010224	0.0051273	0.0072205	0.001193	0.00116862	0.173579
0.18940363	0.000426336	1.614E-08	0.0013858	0.0046461	0.0257633	0.001605	0.00156965	0.22166
0.1879268	0.00042123	1.597E-08	0.0013672	0.0046793	0.033148	0.001585	0.00155085	0.227577
0.18663457	0.000413996	1.573E-08	0.001342	0.0047041	0.0470763	0.001557	0.00152422	0.240204
0.18497314	0.000410593	1.561E-08	0.0013271	0.004729	0.0647256	0.001544	0.00151168	0.256198
0.18368091	0.000405061	1.542E-08	0.0013075	0.0047539	0.0663484	0.001523	0.00149132	0.256527
0.18091185	0.000408891	1.549E-08	0.0013122	0.0047871	0.0449034	0.001538	0.00150542	0.232356
0.17980423	0.000402934	1.53E-08	0.0012917	0.004812	0.0340391	0.001515	0.00148349	0.220381
0.1783274	0.000399956	1.518E-08	0.0012786	0.0048369	0.027406	0.001502	0.00147252	0.212278
0.17795819	0.000388893	1.485E-08	0.001246	0.0048535	0.0228313	0.001461	0.00143179	0.207307
0.17592755	0.000389318	1.485E-08	0.0012432	0.0048784	0.0200461	0.001463	0.00143336	0.202514
0.17445071	0.000386765	1.475E-08	0.001232	0.004895	0.0178932	0.001453	0.00142396	0.198886
0.17297388	0.000385064	1.468E-08	0.0012218	0.0049199	0.0162529	0.001445	0.00141769	0.19578
0.17242007	0.000375277	1.437E-08	0.0011938	0.0049364	0.0146998	0.00141	0.00138166	0.193654
0.17094324	0.00037315	1.429E-08	0.0011845	0.0049447	0.0136445	0.001402	0.00137383	0.191118
0.17002022	0.000368895	1.415E-08	0.0011696	0.0049613	0.0126937	0.001384	0.00135817	0.18924
0.16854339	0.000366768	1.405E-08	0.0011603	0.0049779	0.0119645	0.001378	0.00135033	0.18704
0.16762037	0.000362087	1.391E-08	0.0011454	0.0049862	0.0112675	0.00136	0.0013331	0.185408
0.16651275	0.000357833	1.377E-08	0.0011305	0.0049945	0.0106602	0.001343	0.00131744	0.183682
0.16540512	0.000355705	1.369E-08	0.0011221	0.0050028	0.0101848	0.001335	0.0013096	0.182096
0.1642975	0.000351876	1.355E-08	0.0011081	0.0050028	0.0096995	0.001321	0.00129551	0.180485
0.16318987	0.000348897	1.345E-08	0.0010978	0.0050111	0.0092863	0.001309	0.00128454	0.178959
0.16245146	0.000343366	1.326E-08	0.0010801	0.0050111	0.0088358	0.00129	0.00126418	0.177747
0.16115923	0.00034209	1.321E-08	0.0010736	0.0050111	0.0085322	0.001285	0.00125948	0.176143
0.16023621	0.000338686	1.309E-08	0.0010624	0.0050111	0.0082011	0.001272	0.00124694	0.174874
0.15931319	0.000335282	1.298E-08	0.0010522	0.0050111	0.0079	0.00126	0.00123441	0.173637
0.15820557	0.00033358	1.29E-08	0.0010447	0.0050111	0.0076461	0.001254	0.00122815	0.172267
0.15728255	0.000329751	1.278E-08	0.0010317	0.0050028	0.0073673	0.001239	0.00121405	0.171039
0.15654413	0.000325921	1.264E-08	0.0010196	0.0050028	0.0071135	0.001224	0.00119995	0.17003
0.18183487	0.00042591	1.557E-08	0.0013318	0.0044967	0.1411169	0.001603	0.00156808	0.329241
0.18035804	0.000420804	1.54E-08	0.0013141	0.0045299	0.1347402	0.001583	0.00154928	0.321397
0.17888121	0.000416124	1.523E-08	0.0012973	0.0045548	0.0775412	0.001565	0.00153205	0.262724
0.17685057	0.000416549	1.521E-08	0.0012926	0.004588	0.0460334	0.001567	0.00153362	0.229215

2334	494611.06	3860051.99	0.00949	0.00973	0.0063	0.01374	0.00556	0.13498	0.00954	0.00973	0.17518913	0.000413996	1.511E-08	0.0012805	0.0046129	0.0335961	0.001557	0.00152422	0.215126
2335	494661.06	3860051.99	0.00941	0.00965	0.00625	0.0136	0.00559	0.1086	0.00946	0.00965	0.1737123	0.000410593	1.499E-08	0.0012675	0.0046378	0.0270302	0.001544	0.00151168	0.207091
2336	494711.06	3860051.99	0.00937	0.00947	0.00616	0.01336	0.00562	0.09178	0.00928	0.00947	0.17297388	0.000402934	1.477E-08	0.0012451	0.0046627	0.0228437	0.001515	0.00148349	0.20216
2337	494761.06	3860051.99	0.00929	0.0094	0.00611	0.01323	0.00565	0.08026	0.00921	0.0094	0.17149705	0.000399956	1.465E-08	0.001233	0.0046876	0.0199764	0.001503	0.00147252	0.197825
2338	494811.06	3860051.99	0.0092	0.00938	0.00609	0.01315	0.00568	0.07192	0.00918	0.00938	0.16983562	0.000399105	1.461E-08	0.0012255	0.0047124	0.0179006	0.001498	0.00146939	0.194102
2339	494861.06	3860051.99	0.00912	0.00934	0.00606	0.01306	0.0057	0.0654	0.00915	0.00934	0.16835878	0.000397403	1.453E-08	0.0012171	0.004729	0.0162778	0.001494	0.00146312	0.191011
2340	494911.06	3860051.99	0.00907	0.0092	0.00598	0.01287	0.00573	0.05979	0.00901	0.0092	0.16743576	0.000391446	1.434E-08	0.0011994	0.0047539	0.0148815	0.001471	0.00144119	0.188692
2341	494961.06	3860051.99	0.00902	0.00906	0.00591	0.01267	0.00575	0.05505	0.00887	0.00906	0.16651275	0.000385489	1.417E-08	0.0011808	0.0047705	0.0137018	0.001448	0.00141926	0.18658
2342	495011.06	3860051.99	0.00897	0.00893	0.00584	0.0125	0.00576	0.05113	0.00875	0.00893	0.16558973	0.000379958	1.401E-08	0.0011649	0.0047788	0.0127261	0.001428	0.0013989	0.184669
2343	495061.06	3860051.99	0.00892	0.00884	0.00578	0.01236	0.00578	0.04792	0.00865	0.00884	0.16466671	0.000376128	1.386E-08	0.0011519	0.0047954	0.0119271	0.001412	0.0013848	0.182944
2344	495111.06	3860051.99	0.00887	0.00871	0.00571	0.01218	0.0058	0.04497	0.00853	0.00871	0.16374369	0.000370597	1.369E-08	0.0011351	0.004812	0.0111929	0.001392	0.00136443	0.181282
2345	495161.06	3860051.99	0.00881	0.00862	0.00566	0.01205	0.00581	0.04256	0.00844	0.00862	0.16263606	0.000366768	1.357E-08	0.001123	0.0048203	0.010593	0.001378	0.00135033	0.179567
2346	495211.06	3860051.99	0.00876	0.00852	0.0056	0.0119	0.00583	0.04035	0.00834	0.00852	0.16171304	0.000362513	1.343E-08	0.001109	0.0048369	0.010043	0.001361	0.00133467	0.178091
2347	495261.06	3860051.99	0.0087	0.00846	0.00556	0.0118	0.00584	0.03849	0.00828	0.00846	0.16060542	0.00035996	1.333E-08	0.0010997	0.0048452	0.00958	0.001352	0.00132527	0.176517
2348	495311.06	3860051.99	0.00864	0.0084	0.00553	0.0117	0.00585	0.03684	0.00822	0.0084	0.1594978	0.000357407	1.326E-08	0.0010904	0.0048535	0.0091694	0.001342	0.00131587	0.174994
2349	495361.06	3860051.99	0.00859	0.00833	0.00548	0.0116	0.00586	0.03527	0.00816	0.00833	0.15857478	0.000354429	1.314E-08	0.0010811	0.0048618	0.0087786	0.001332	0.0013049	0.173678
2350	495411.06	3860051.99	0.00853	0.00826	0.00544	0.01148	0.00587	0.0338	0.00808	0.00826	0.15746715	0.00035145	1.305E-08	0.0010699	0.0048701	0.0084127	0.001319	0.00129394	0.172196
2351	495461.06	3860051.99	0.00848	0.00817	0.00539	0.01136	0.00587	0.03242	0.008	0.00817	0.15654413	0.000347621	1.293E-08	0.0010587	0.0048701	0.0080692	0.001306	0.00127984	0.170916
2352	495511.06	3860051.99	0.00843	0.00811	0.00535	0.01126	0.00588	0.03123	0.00794	0.00811	0.15562111	0.000345068	1.283E-08	0.0010494	0.0048784	0.007773	0.001296	0.00127044	0.169693
2353	495561.06	3860051.99	0.00838	0.00804	0.00531	0.01115	0.00588	0.03009	0.00787	0.00804	0.15469809	0.00034209	1.274E-08	0.0010391	0.0048784	0.0074893	0.001285	0.00125948	0.168472
2354	495611.06	3860051.99	0.00833	0.00795	0.00526	0.01103	0.00588	0.029	0.00779	0.00795	0.15377507	0.00033826	1.262E-08	0.001028	0.0048784	0.007218	0.001272	0.00124538	0.167264
2355	495661.06	3860051.99	0.00829	0.00785	0.0052	0.01088	0.00587	0.02793	0.00769	0.00785	0.15303666	0.000334005	1.247E-08	0.001014	0.0048701	0.0069517	0.001255	0.00122971	0.166232
2356	494411.06	3860101.99	0.00962	0.01017	0.00637	0.01404	0.00518	0.29782	0.00999	0.01017	0.17758898	0.000432718	1.528E-08	0.0013085	0.0042976	0.0741264	0.001631	0.00159314	0.257792
2357	494461.06	3860101.99	0.00951	0.01017	0.00635	0.01397	0.00522	0.21575	0.00998	0.01017	0.17555834	0.000432718	1.523E-08	0.0013019	0.0043308	0.0536994	0.001629	0.00159314	0.235359
2358	494511.06	3860101.99	0.00945	0.00999	0.00626	0.01373	0.00525	0.16969	0.00981	0.00999	0.17445071	0.000425059	1.501E-08	0.0012796	0.0043557	0.0422353	0.001601	0.00156495	0.222783
2359	494561.06	3860101.99	0.00936	0.00994	0.00623	0.01362	0.00529	0.13818	0.00975	0.00994	0.17278928	0.000422932	1.494E-08	0.0012693	0.0043889	0.0343925	0.001591	0.00155711	0.213297
2360	494611.06	3860101.99	0.00926	0.00995	0.00622	0.01357	0.00532	0.11581	0.00976	0.00995	0.17094324	0.000423357	1.492E-08	0.0012647	0.0044138	0.0288247	0.001593	0.00155868	0.205904
2361	494661.06	3860101.99	0.00917	0.00989	0.00617	0.01345	0.00535	0.09956	0.0097	0.00989	0.1692818	0.000420804	1.48E-08	0.0012535	0.0044387	0.0247801	0.001583	0.00154928	0.200209
2362	494711.06	3860101.99	0.00913	0.00972	0.00609	0.01324	0.00539	0.087	0.00953	0.00972	0.16854339	0.000413571	1.461E-08	0.0012339	0.0044718	0.021654	0.001556	0.00152265	0.19635
2363	494761.06	3860101.99	0.00905	0.00965	0.00604	0.01311	0.00542	0.07748	0.00946	0.00965	0.16706656	0.000410593	1.449E-08	0.0012218	0.0044967	0.0192845	0.001544	0.00151168	0.192513
2364	494811.06	3860101.99	0.00898	0.00959	0.006	0.01299	0.00544	0.06995	0.0094	0.00959	0.16577433	0.00040804	1.439E-08	0.0012106	0.0045133	0.0174103	0.001534	0.00150229	0.189349
2365	494861.06	3860101.99	0.00885	0.00965	0.00602	0.01298	0.00546	0.06422	0.00945	0.00965	0.16337448	0.000410593	1.444E-08	0.0012097	0.0045299	0.0159841	0.001543	0.00151168	0.18554
2366	494911.06	3860101.99	0.00887	0.00936	0.00588	0.01268	0.0055	0.05838	0.00917	0.00936	0.16374369	0.000398254	1.41E-08	0.0011817	0.0045631	0.0145306	0.001497	0.00146626	0.184448
2367	494961.06	3860101.99	0.0088	0.00928	0.00583	0.01255	0.00553	0.05409	0.00909	0.00928	0.16245146	0.00039485	1.398E-08	0.0011696	0.004588	0.0134628	0.001484	0.00145372	0.182097
2368	495011.06	3860101.99	0.00875	0.00916	0.00577	0.01239	0.00555	0.05026	0.00897	0.00916	0.16152844	0.000389744	1.384E-08	0.0011547	0.0046046	0.0125095	0.001464	0.00143493	0.180216
2369	495061.06	3860101.99	0.0087	0.00905	0.00571	0.01224	0.00557	0.04698	0.00886	0.00905	0.16060542	0.000385064	1.369E-08	0.0011407	0.0046212	0.0116932	0.001446	0.00141769	0.178474
2370	495111.06	3860101.99	0.00866	0.00891	0.00563	0.01206	0.00559	0.04399	0.00873	0.00891	0.159867	0.000379107	1.35E-08	0.0011239	0.0046378	0.010949	0.001425	0.00139576	0.176986
2371	495161.06	3860101.99	0.0086	0.00885	0.00559	0.01196	0.00561	0.04166	0.00867	0.00885	0.15875938	0.000376554	1.341E-08	0.0011146	0.0046544	0.010369	0.001415	0.00138636	0.175303
2372	495211.06	3860101.99	0.00855	0.00876	0.00554	0.01183	0.00563	0.03949	0.00858	0.00876	0.15783636	0.000372724	1.329E-08	0.0011025	0.004671	0.0098289	0.001401	0.00137226	0.17384
2373	495261.06	3860101.99	0.0085	0.00868	0.00549	0.01171	0.00564	0.03753	0.0085	0.00868	0.15691334	0.000369321	1.317E-08	0.0010913	0.0046793	0.0093411	0.001387	0.00135973	0.172422
2374	495311.06	3860101.99	0.00844	0.0086	0.00545	0.0116	0.00566	0.0358	0.00842	0.0086	0.15580572	0.000365917	1.307E-08	0.0010811	0.0046958	0.0089105	0.001374	0.0013472	0.170886
2375	495361.06	3860101.99	0.00838	0.00855	0.00542	0.01152	0.00567	0.0343	0.00837	0.00855	0.15469809	0.000363789	1.3E-08	0.0010736	0.0047041	0.0085372	0.001366	0.00133937	0.169404
2376	495411.06	3860101.99	0.00834	0.00847	0.00537	0.0114	0.00568	0.03282	0.00829	0.00847	0.15395968	0.000360385	1.288E-08	0.0010624	0.0047124	0.0081688	0.001353	0.00132684	0.16829
2377	495461.06	3860101.99	0.0083	0.00835	0.00531	0.01125	0.00569	0.03136	0.00817	0.00835	0.15322126	0.00035528	1.274E-08	0.0010485	0.0047207	0.0078054	0.001334	0.00130804	0.167177
2378	495511.06	3860101.99	0.00824	0.0083	0.00528	0.01117	0.0057	0.03024	0.00813	0.0083	0.15211364	0.000353152	1.266E-08	0.001041	0.004729	0.0075266	0.001327	0.00130021	0.16579
2379	495561.06	3860101.99	0.00819	0.00825	0.00525	0.01109	0.00571	0.02919	0.00808	0.00825	0.15119062	0.000351025	1.259E-08	0.0010335	0.0047373	0.0072653	0.001319	0.00129237	0.164604
2380	495611.06	3860101.99	0.00815	0.00814	0.00519	0.01095	0.00571	0.02806	0.00797	0.00814	0.1504522	0.000346344	1.245E-08	0.0010205	0.0047373	0.006984	0.001301	0.00127514	0.163566
2381	495661.06	3860101.99	0.0081	0.00807	0.00515	0.01085	0.00572	0.02713	0.0079	0.00807	0.14952918	0.000343366	1.235E-08	0.0010112	0.0047456	0.0067526	0.00129	0.00126418	0.162407
2382	494861.06	3860151.99	0.0086	0.00998	0.00598	0.01287	0.00522	0.06141	0.00978	0.00998	0.15875938	0.000424634	1.434E-08	0.0011994	0.0043308	0.0152847	0.001596	0.00156338	0.180032
2383	494911.06	3860151.99	0.00863	0.00965	0.00584	0.01258	0.00527	0.0561	0.00946	0.00965	0.15931319	0.000410593	1.401E-08	0.0011724	0.0043723	0.0139631	0.001544	0.00151168	0.179264
2384	494961.06	3860151.99	0.00858	0.00953	0.00577	0.01243	0.0053	0.05184	0.00934	0.00953	0.15839017	0.000405487	1.384E-08	0.0011584	0.0043972	0.0129028	0.001525	0.00149289	0.177286
2385	495011.06	3860151.99	0.00853	0.0094	0.00571	0.01227	0.00533	0.04818	0.00922	0.0094	0.15746715	0.000399956	1.369E-08	0.0011435	0.0044221	0.0119918	0.001505	0.00147252	0.175457
2386	495061.06	3860151.99	0.00849	0.00928	0.00565	0.01212	0.00536	0.04501	0.0091	0.00928	0.15672874	0.00039485	1.355E-08	0.0011295	0.004447	0.0112028	0.001485	0.00145372	0.173935
2387	495111.06	3860151.99	0.00844	0.00919	0.00559	0.01199	0.00539	0.04232	0.009	0.00919	0.15580572	0.00039102	1.341E-08	0.0011174	0.0044718	0.0105333	0.001469	0.00143962	0.172349
2388	495161.06	3860151.99	0.00839	0.0091	0.00555	0.01188	0.00541	0.03999	0.00892	0.0091	0.1548827	0.000387191	1.331E-08	0.0011072	0.0044884	0.0099534	0.001456	0.00142553	0.170849
2389	495211.06	3860151.99	0.00834	0.00901	0.00549	0.01175	0.00543	0.03789	0.00882	0.00901	0.15395968	0.000383362	1.317E-08	0.0010951	0.004505	0.0094307	0.00144	0.00141143	0.169402
2390	495261.06	3860151.99	0.00829	0.00893	0.00545	0.01164	0.00545	0.03606	0.00875	0.00893	0.15303666	0.000379958	1.307E-08	0.0010848	0.0045216	0.0089752	0.001428	0.0013989	0.168028

2391	495311.06	3860151.99	0.00823	0.00885	0.0054	0.01153	0.00547	0.03441	0.00867	0.00885	0.15192903	0.000376554	1.295E-08	0.0010745	0.0045382	0.0085645	0.001415	0.00138636	0.166512
2392	495361.06	3860151.99	0.00818	0.00878	0.00536	0.01143	0.00548	0.03293	0.0086	0.00878	0.15100602	0.000373575	1.286E-08	0.0010652	0.0045465	0.0081962	0.001404	0.0013754	0.165216
2393	495411.06	3860151.99	0.00814	0.0087	0.00532	0.01132	0.0055	0.03154	0.00852	0.0087	0.1502676	0.000370172	1.276E-08	0.001055	0.0045631	0.0078502	0.001391	0.00136287	0.164134
2394	495461.06	3860151.99	0.00809	0.00862	0.00527	0.01122	0.00551	0.03028	0.00844	0.00862	0.14934458	0.000366768	1.264E-08	0.0010457	0.0045714	0.0075366	0.001378	0.00135033	0.162892
2395	495511.06	3860151.99	0.00805	0.00852	0.00522	0.0111	0.00552	0.02909	0.00835	0.00852	0.14860616	0.000362513	1.252E-08	0.0010345	0.0045797	0.0072404	0.001363	0.00133467	0.161852
2396	495561.06	3860151.99	0.008	0.00846	0.00519	0.01101	0.00553	0.02807	0.00829	0.00846	0.14768314	0.00035996	1.245E-08	0.0010261	0.004588	0.0069865	0.001353	0.00132527	0.160672
2397	495611.06	3860151.99	0.00796	0.00837	0.00514	0.01089	0.00554	0.02707	0.0082	0.00837	0.14694473	0.000356131	1.233E-08	0.0010149	0.0045963	0.0067376	0.001338	0.00131117	0.159677
2398	495661.06	3860151.99	0.00792	0.00827	0.00509	0.01078	0.00555	0.02613	0.0081	0.00827	0.14620631	0.000351876	1.221E-08	0.0010047	0.0046046	0.0065037	0.001322	0.00129551	0.158698
2399	495718.25	3859442.96	0.01	0.0058	0.00564	0.01081	0.00741	0.03786	0.00575	0.0058	0.18460393	0.000246781	1.353E-08	0.0010074	0.0061477	0.0094232	0.000939	0.00090858	0.201459
2400	495818.25	3859442.96	0.00983	0.00569	0.0055	0.01056	0.00732	0.03518	0.00565	0.00569	0.18146566	0.000242101	1.319E-08	0.0009841	0.0060731	0.0087562	0.000922	0.00089135	0.197552
2401	495918.25	3859442.96	0.00968	0.00561	0.00539	0.01037	0.00726	0.03299	0.00557	0.00561	0.1786966	0.000238697	1.293E-08	0.0009664	0.0060233	0.0082111	0.000909	0.00087881	0.194167
2402	496018.25	3859442.96	0.00954	0.00554	0.0053	0.0102	0.00722	0.03111	0.0055	0.00554	0.17611215	0.000235718	1.271E-08	0.0009506	0.0059901	0.0077432	0.000898	0.00086785	0.191062
2403	496118.25	3859442.96	0.00943	0.00554	0.00527	0.01018	0.00729	0.02967	0.0055	0.00554	0.17408151	0.000235718	1.264E-08	0.0009487	0.0060482	0.0073848	0.000898	0.00086785	0.188729
2404	496218.25	3859442.96	0.00932	0.00552	0.00524	0.01014	0.00735	0.02834	0.00549	0.00552	0.17205086	0.000234867	1.257E-08	0.000945	0.006098	0.0070537	0.000896	0.00086471	0.186414
2405	496318.25	3859442.96	0.00919	0.00547	0.00516	0.00998	0.00731	0.02699	0.00543	0.00547	0.16965101	0.00023274	1.238E-08	0.0009301	0.0060648	0.0067177	0.000886	0.00085688	0.183626
2406	496418.25	3859442.96	0.00906	0.0054	0.00507	0.00982	0.00726	0.02574	0.00537	0.0054	0.16725116	0.000229762	1.216E-08	0.0009152	0.0060233	0.0064066	0.000877	0.00084592	0.180857
2407	495718.25	3859542.96	0.00981	0.00607	0.00559	0.0109	0.00725	0.03404	0.00601	0.00607	0.18109646	0.000258269	1.341E-08	0.0010158	0.006015	0.0084724	0.000981	0.00095087	0.196888
2408	495818.25	3859542.96	0.00966	0.00598	0.00548	0.0107	0.0072	0.03174	0.00592	0.00598	0.1783274	0.00025444	1.314E-08	0.0009972	0.0059735	0.0079	0.000966	0.00093677	0.193482
2409	495918.25	3859542.96	0.00951	0.00587	0.00535	0.01047	0.00714	0.02975	0.00582	0.00587	0.17555834	0.000249759	1.283E-08	0.0009758	0.0059237	0.0074047	0.00095	0.00091954	0.190143
2410	496018.25	3859542.96	0.00937	0.00578	0.00525	0.01027	0.00708	0.02808	0.00574	0.00578	0.17297388	0.00024593	1.259E-08	0.0009571	0.005874	0.006989	0.000937	0.00090544	0.187071
2411	496118.25	3859542.96	0.00925	0.00578	0.00523	0.01025	0.00715	0.02691	0.00573	0.00578	0.17075864	0.00024593	1.254E-08	0.0009553	0.005932	0.0066978	0.000935	0.00090544	0.18462
2412	496218.25	3859542.96	0.00913	0.00575	0.00519	0.01018	0.00717	0.0258	0.0057	0.00575	0.16854339	0.000244654	1.245E-08	0.0009487	0.0059486	0.0064215	0.00093	0.00090074	0.182137
2413	496318.25	3859542.96	0.00901	0.00571	0.00513	0.01008	0.00718	0.02477	0.00566	0.00571	0.16632814	0.000242952	1.23E-08	0.0009394	0.0059569	0.0061652	0.000924	0.00089448	0.179662
2414	496418.25	3859542.96	0.00889	0.00563	0.00503	0.00988	0.00711	0.02371	0.00558	0.00563	0.16411289	0.000239548	1.206E-08	0.0009208	0.0058988	0.0059013	0.000911	0.00088195	0.177102
2415	495718.25	3859642.96	0.00959	0.00635	0.00555	0.0109	0.00702	0.03164	0.00626	0.00635	0.17703517	0.000270183	1.331E-08	0.0010158	0.0058242	0.0078751	0.001022	0.00099474	0.192048
2416	495818.25	3859642.96	0.00944	0.00623	0.00542	0.01067	0.00697	0.0296	0.00616	0.00623	0.17426611	0.000265077	1.3E-08	0.0009944	0.0057827	0.0073673	0.001005	0.00097594	0.188705
2417	495918.25	3859642.96	0.00929	0.00615	0.00533	0.0105	0.00695	0.02795	0.00608	0.00615	0.17149705	0.000261673	1.278E-08	0.0009786	0.0057661	0.0069567	0.000992	0.0009634	0.185489
2418	496018.25	3859642.96	0.00916	0.00605	0.00521	0.0103	0.00691	0.02645	0.00599	0.00605	0.1690972	0.000257418	1.25E-08	0.0009599	0.0057329	0.0065833	0.000978	0.00094774	0.182661
2419	496118.25	3859642.96	0.00906	0.00606	0.00522	0.01031	0.00697	0.02547	0.00599	0.00606	0.16725116	0.000257844	1.252E-08	0.0009608	0.0057827	0.0063394	0.000978	0.00094931	0.18062
2420	496218.25	3859642.96	0.00894	0.00604	0.0052	0.01026	0.00701	0.02452	0.00597	0.00604	0.16503591	0.000256993	1.247E-08	0.0009562	0.0058159	0.0061029	0.000974	0.00094617	0.178196
2421	496318.25	3859642.96	0.00882	0.00596	0.00511	0.0101	0.00697	0.02349	0.00589	0.00596	0.16282067	0.000253589	1.226E-08	0.0009413	0.0057827	0.0058466	0.000961	0.00093364	0.175673
2422	496418.25	3859642.96	0.00865	0.00574	0.00487	0.00965	0.00678	0.02213	0.00569	0.00574	0.1596824	0.000244228	1.168E-08	0.0008993	0.0056251	0.0055081	0.000929	0.00089918	0.171989
2423	495718.25	3859742.96	0.00932	0.00669	0.00553	0.01097	0.00679	0.03009	0.00659	0.00669	0.17205086	0.000284649	1.326E-08	0.0010224	0.0056334	0.0074893	0.001076	0.001048	0.186508
2424	495818.25	3859742.96	0.0092	0.00656	0.0054	0.0107	0.00674	0.02826	0.00646	0.00656	0.16983562	0.000279118	1.295E-08	0.0009972	0.0055919	0.0070338	0.001054	0.00102763	0.183764
2425	495918.25	3859742.96	0.00907	0.00645	0.00529	0.0105	0.00671	0.02674	0.00636	0.00645	0.16743576	0.000274438	1.269E-08	0.0009786	0.005567	0.0066555	0.001038	0.0010104	0.180939
2426	496018.25	3859742.96	0.00894	0.00634	0.00518	0.01029	0.00668	0.02536	0.00625	0.00634	0.16503591	0.000269757	1.242E-08	0.000959	0.0055421	0.006312	0.00102	0.00099317	0.178146
2427	496118.25	3859742.96	0.00883	0.00633	0.00517	0.01027	0.00672	0.02447	0.00624	0.00633	0.16300527	0.000269332	1.24E-08	0.0009571	0.0055753	0.0060905	0.001019	0.0009916	0.175924
2428	496218.25	3859742.96	0.0087	0.00635	0.00518	0.01029	0.00677	0.02374	0.00626	0.00635	0.16060542	0.000270183	1.242E-08	0.000959	0.0056168	0.0059088	0.001022	0.00099474	0.173387
2429	496318.25	3859742.96	0.00858	0.00613	0.00498	0.0099	0.00665	0.02234	0.00606	0.00613	0.15839017	0.000260822	1.194E-08	0.0009226	0.0055172	0.0055604	0.000989	0.00096027	0.17068
2430	496418.25	3859742.96	0.00846	0.00592	0.00477	0.00955	0.00654	0.02109	0.00586	0.00592	0.15617493	0.000251887	1.144E-08	0.00089	0.0054259	0.0052492	0.000957	0.00092738	0.168021
2431	495718.25	3859842.96	0.00898	0.00703	0.00545	0.01095	0.0065	0.02901	0.0069	0.00703	0.16577433	0.000299116	1.307E-08	0.0010205	0.0053928	0.0072205	0.001126	0.00110126	0.179732
2432	495818.25	3859842.96	0.00886	0.00691	0.00535	0.01073	0.00648	0.02744	0.00679	0.00691	0.16355908	0.00029401	1.283E-08	0.001	0.0053762	0.0068297	0.001108	0.00108246	0.177085
2433	495918.25	3859842.96	0.00875	0.00679	0.00524	0.01052	0.00646	0.02601	0.00667	0.00679	0.16152844	0.000288904	1.257E-08	0.0009804	0.0053596	0.0064738	0.001089	0.00106366	0.174656
2434	496018.25	3859842.96	0.00864	0.00671	0.00518	0.01037	0.00645	0.02485	0.0066	0.00671	0.1594978	0.0002855	1.242E-08	0.0009664	0.0053513	0.0061851	0.001077	0.00105113	0.172312
2435	496118.25	3859842.96	0.0085	0.00672	0.00519	0.0104	0.0065	0.0241	0.00661	0.00672	0.15691334	0.000285926	1.245E-08	0.0009692	0.0053928	0.0059984	0.001079	0.0010527	0.169586
2436	496218.25	3859842.96	0.00842	0.00652	0.00501	0.01004	0.00642	0.02267	0.00642	0.00652	0.15543651	0.000277416	1.202E-08	0.0009357	0.0053264	0.0056425	0.001048	0.00102137	0.167645
2437	496318.25	3859842.96	0.00832	0.00614	0.0047	0.00941	0.00621	0.02078	0.00607	0.00614	0.15359047	0.000261248	1.127E-08	0.000877	0.0051522	0.0051721	0.000991	0.00096184	0.165082
2438	496418.25	3859842.96	0.00815	0.00592	0.00449	0.009	0.00605	0.01947	0.00587	0.00592	0.1504522	0.000251887	1.077E-08	0.0008388	0.0050194	0.004846	0.000958	0.00092738	0.161439
2439	495718.25	3859942.96	0.00863	0.00737	0.00531	0.01088	0.0062	0.02817	0.00723	0.00737	0.15931319	0.000313582	1.274E-08	0.001014	0.0051439	0.0070114	0.00118	0.00115452	0.172822
2440	495818.25	3859942.96	0.00853	0.00723	0.00521	0.01065	0.00618	0.02656	0.0071	0.00723	0.15746715	0.000307625	1.25E-08	0.0009925	0.0051273	0.0066107	0.001159	0.00113259	0.170532
2441	495918.25	3859942.96	0.00842	0.00714	0.00514	0.01048	0.00617	0.02523	0.007	0.00714	0.15543651	0.000303796	1.233E-08	0.0009767	0.005119	0.0062797	0.001143	0.00111849	0.16814
2442	496018.25	3859942.96	0.00829	0.00712	0.00513	0.01043	0.00619	0.02431	0.00699	0.00712	0.15303666	0.000302945	1.23E-08	0.000972	0.0051356	0.0060507	0.001141	0.00111536	0.165524
2443	496118.25	3859942.96	0.00822	0.00693	0.00499	0.01013	0.00615	0.0229	0.00681	0.00693	0.15174443	0.000294861	1.197E-08	0.0009441	0.0051024	0.0056997	0.001112	0.00108559	0.163811
2444	496218.25	3859942.96	0.00816	0.00664	0.00478	0.0097	0.00606	0.02131	0.00654	0.00664	0.15063681	0.000282522	1.146E-08	0.000904	0.0050277	0.005304	0.001068	0.00104016	0.162182
2445	496318.25	3859942.96	0.00807	0.00637	0.00458	0.00926	0.00595	0.01986	0.00628	0.00637	0.14897537	0.000271034	1.098E-08	0.000863	0.0049364	0.0049431	0.001025	0.00099787	0.160016
2446	496418.25	3859942.96	0.00791	0.00605	0.00432	0.00872	0.00574	0.01833	0.00599	0.00605	0.14602171	0.000257418	1.036E-08	0.0008127	0.0047622	0.0045623	0.000978	0.00094774	0.156446
2447	496856.82	3858864.83	0.00867	0.00426	0.00485	0.00864	0.00735	0.03206	0.00426	0.00426	0.16005161	0.000181256	1.163E-08	0.0008052	0.006098	0.0079796	0.000695	0.00066733	0.175144

2448	496956.82	3858864.83	0.00855	0.00422	0.00477	0.00851	0.00725	0.02949	0.00422	0.00422	0.15783636	0.000179554	1.144E-08	0.0007931	0.006015	0.00734	0.000689	0.00066107	0.172192
2449	497056.82	3858864.83	0.00842	0.00418	0.0047	0.00838	0.00715	0.02734	0.00418	0.00418	0.15543651	0.000177853	1.127E-08	0.000781	0.005932	0.0068048	0.000682	0.0006548	0.16916
2450	497156.82	3858864.83	0.00828	0.00414	0.00462	0.00824	0.00704	0.02547	0.00414	0.00414	0.15285205	0.000176151	1.108E-08	0.0007679	0.0058408	0.0063394	0.000676	0.00064854	0.166004
2451	497256.82	3858864.83	0.0082	0.00412	0.00457	0.00816	0.00699	0.02398	0.00412	0.00412	0.15137522	0.0001753	1.096E-08	0.0007605	0.0057993	0.0059685	0.000673	0.0006454	0.164106
2452	496856.82	3858964.83	0.00875	0.00439	0.00485	0.00874	0.00739	0.03016	0.00439	0.00439	0.16152844	0.000186788	1.163E-08	0.0008145	0.0061312	0.0075067	0.000717	0.0006877	0.176197
2453	496956.82	3858964.83	0.00859	0.00433	0.00475	0.00857	0.00725	0.02779	0.00434	0.00433	0.15857478	0.000184235	1.139E-08	0.0007987	0.006015	0.0069168	0.000708	0.0006783	0.17252
2454	497056.82	3858964.83	0.00846	0.00429	0.00468	0.00844	0.00715	0.02584	0.00429	0.00429	0.15617493	0.000182533	1.122E-08	0.0007866	0.005932	0.0064315	0.0007	0.00067203	0.169536
2455	497156.82	3858964.83	0.00832	0.00425	0.0046	0.0083	0.00704	0.02416	0.00425	0.00425	0.15359047	0.000180831	1.103E-08	0.0007735	0.0058408	0.0060133	0.000694	0.00066577	0.166427
2456	497256.82	3858964.83	0.0083	0.00426	0.00459	0.0083	0.00707	0.02294	0.00426	0.00426	0.15322126	0.000181256	1.101E-08	0.0007735	0.0058657	0.0057097	0.000695	0.00066733	0.165779
2457	496856.82	3859064.83	0.00873	0.00449	0.0048	0.00876	0.00732	0.02773	0.0045	0.00449	0.16115923	0.000191043	1.151E-08	0.0008164	0.0060731	0.0069019	0.000735	0.00070336	0.175173
2458	496956.82	3859064.83	0.00859	0.00444	0.00471	0.00861	0.00722	0.02579	0.00445	0.00444	0.15857478	0.000188915	1.13E-08	0.0008024	0.0059901	0.006419	0.000726	0.00069553	0.172006
2459	497056.82	3859064.83	0.00847	0.0044	0.00464	0.00849	0.00714	0.02417	0.00441	0.0044	0.15635953	0.000187213	1.113E-08	0.0007912	0.0059237	0.0060158	0.00072	0.00068927	0.169308
2460	497156.82	3859064.83	0.00835	0.00437	0.00458	0.00838	0.00706	0.02278	0.00437	0.00437	0.15414428	0.000185937	1.098E-08	0.000781	0.0058574	0.0056699	0.000713	0.00068457	0.166667
2461	497256.82	3859064.83	0.00835	0.0044	0.00458	0.00843	0.00715	0.02181	0.0044	0.0044	0.15414428	0.000187213	1.098E-08	0.0007856	0.005932	0.0054284	0.000718	0.00068927	0.166507
2462	496856.82	3859164.83	0.00865	0.00458	0.00472	0.00871	0.00715	0.02555	0.00458	0.00458	0.1596824	0.000194872	1.132E-08	0.0008117	0.005932	0.0063593	0.000748	0.00071746	0.17301
2463	496956.82	3859164.83	0.0085	0.00453	0.00463	0.00855	0.00705	0.02395	0.00453	0.00453	0.15691334	0.000192745	1.11E-08	0.0007968	0.0058491	0.0059611	0.000739	0.00070963	0.169743
2464	497056.82	3859164.83	0.00841	0.0045	0.00457	0.00846	0.00702	0.02267	0.0045	0.0045	0.15525191	0.000191468	1.096E-08	0.0007884	0.0058242	0.0056425	0.000735	0.00070493	0.167728
2465	497156.82	3859164.83	0.00836	0.0045	0.00455	0.00846	0.00706	0.02165	0.00451	0.0045	0.15432889	0.000191468	1.091E-08	0.0007884	0.0058574	0.0053886	0.000736	0.00070493	0.166586
2466	497256.82	3859164.83	0.00836	0.00455	0.00458	0.00854	0.00718	0.02084	0.00455	0.00455	0.15432889	0.000193595	1.098E-08	0.0007959	0.0059569	0.005187	0.000743	0.00071276	0.166492
2467	496856.82	3859264.83	0.00852	0.00467	0.0046	0.00861	0.00689	0.02353	0.00466	0.00467	0.15728255	0.000198701	1.103E-08	0.0008024	0.0057163	0.0058565	0.000761	0.00073156	0.169886
2468	496956.82	3859264.83	0.00844	0.00465	0.00455	0.00854	0.0069	0.02238	0.00464	0.00465	0.15580572	0.00019785	1.091E-08	0.0007959	0.0057246	0.0055703	0.000757	0.00072843	0.168123
2469	497056.82	3859264.83	0.00838	0.00465	0.00453	0.00853	0.00696	0.02141	0.00465	0.00465	0.15469809	0.00019785	1.086E-08	0.000795	0.0057744	0.0053289	0.000759	0.00072843	0.166825
2470	497156.82	3859264.83	0.00832	0.00465	0.00451	0.00852	0.00701	0.02056	0.00465	0.00465	0.15359047	0.00019785	1.082E-08	0.000794	0.0058159	0.0051173	0.000759	0.00072843	0.165546
2471	497256.82	3859264.83	0.00829	0.00469	0.00453	0.00858	0.00711	0.01989	0.00468	0.00469	0.15303666	0.000199552	1.086E-08	0.0007996	0.0058988	0.0049506	0.000764	0.00073469	0.164914
2472	497088.92	3858620.93	0.00807	0.00388	0.00455	0.00808	0.00699	0.02966	0.00388	0.00388	0.14897537	0.000165088	1.091E-08	0.000753	0.0057993	0.0073823	0.000633	0.00060781	0.163101
2473	497138.92	3858620.93	0.00804	0.00387	0.00452	0.00805	0.00698	0.02849	0.00388	0.00387	0.14842156	0.000164663	1.084E-08	0.0007502	0.005791	0.0070911	0.000633	0.00060624	0.162246
2474	497188.92	3858620.93	0.00797	0.00386	0.00453	0.00799	0.00695	0.0274	0.00386	0.00386	0.14712933	0.000164237	1.086E-08	0.0007446	0.0057661	0.0068198	0.00063	0.00060467	0.160649
2475	497238.92	3858620.93	0.00792	0.00385	0.0045	0.00794	0.00691	0.02642	0.00385	0.00385	0.14620631	0.000163812	1.079E-08	0.00074	0.0057329	0.0065758	0.000628	0.00060311	0.159444
2476	497088.92	3858670.93	0.00806	0.00392	0.00458	0.00808	0.00694	0.02875	0.00392	0.00392	0.14879077	0.00016679	1.098E-08	0.000753	0.0057578	0.0071558	0.00064	0.00061407	0.16265
2477	497138.92	3858670.93	0.00806	0.00392	0.00457	0.00807	0.00695	0.02774	0.00392	0.00392	0.14879077	0.00016679	1.096E-08	0.0007521	0.0057661	0.0069044	0.00064	0.00061407	0.162406
2478	497188.92	3858670.93	0.00799	0.0039	0.00453	0.008	0.0069	0.02671	0.00391	0.0039	0.14749854	0.000165939	1.086E-08	0.0007456	0.0057246	0.006648	0.000638	0.00061094	0.16081
2479	497238.92	3858670.93	0.00797	0.0039	0.00451	0.00797	0.00688	0.02584	0.0039	0.0039	0.14712933	0.000165939	1.082E-08	0.0007428	0.005708	0.0064315	0.000637	0.00061094	0.160203
2480	497088.92	3858720.93	0.00821	0.00399	0.00461	0.00817	0.00707	0.02817	0.00399	0.00399	0.15155983	0.000169768	1.106E-08	0.0007614	0.0058657	0.0070114	0.000651	0.00062504	0.165394
2481	497138.92	3858720.93	0.00803	0.00394	0.00454	0.00803	0.00685	0.02697	0.00394	0.00394	0.14823696	0.000167641	1.089E-08	0.0007484	0.0056831	0.0067127	0.000643	0.00061721	0.161575
2482	497188.92	3858720.93	0.00798	0.00393	0.00451	0.00798	0.00682	0.02605	0.00393	0.00393	0.14731394	0.000167215	1.082E-08	0.0007437	0.0056582	0.0064838	0.000641	0.00061564	0.160393
2483	497238.92	3858720.93	0.00806	0.00395	0.00452	0.00801	0.00696	0.02538	0.00395	0.00395	0.14879077	0.000168066	1.084E-08	0.0007465	0.0057744	0.006317	0.000645	0.00061877	0.161823
2484	497088.92	3858770.93	0.00824	0.00403	0.00461	0.00819	0.00705	0.02757	0.00404	0.00403	0.15211364	0.00017147	1.106E-08	0.0007633	0.0058491	0.0068621	0.000659	0.0006313	0.165788
2485	497138.92	3858770.93	0.00816	0.00401	0.00456	0.00811	0.00699	0.02657	0.00401	0.00401	0.15063681	0.000170619	1.094E-08	0.0007558	0.0057993	0.0066132	0.000655	0.00062817	0.164002
2486	497188.92	3858770.93	0.00812	0.00399	0.00452	0.00805	0.00694	0.02567	0.00399	0.00399	0.14989839	0.000169768	1.084E-08	0.0007502	0.0057578	0.0063892	0.000651	0.00062504	0.162992
2487	497238.92	3858770.93	0.00815	0.004	0.00453	0.00806	0.00696	0.02498	0.00401	0.004	0.1504522	0.000170194	1.086E-08	0.0007512	0.0057744	0.0062174	0.000655	0.0006266	0.163393
2488	497396.65	3858622.63	0.0081	0.00391	0.00452	0.00804	0.00714	0.02418	0.00392	0.00391	0.14952918	0.000166364	1.084E-08	0.0007493	0.0059237	0.0060183	0.00064	0.00061251	0.162414
2489	497496.65	3858622.63	0.00816	0.00394	0.00454	0.00809	0.00723	0.02306	0.00396	0.00394	0.15063681	0.000167641	1.089E-08	0.000754	0.0059984	0.0057396	0.000646	0.00061721	0.163326
2490	497596.65	3858622.63	0.0083	0.00402	0.00461	0.00824	0.00741	0.02216	0.00404	0.00402	0.15322126	0.000171045	1.106E-08	0.0007679	0.0061477	0.0055155	0.000659	0.00062974	0.165853
2491	497696.65	3858622.63	0.00828	0.00404	0.00461	0.00825	0.00744	0.02124	0.00406	0.00404	0.15285205	0.000171896	1.106E-08	0.0007689	0.0061726	0.0052866	0.000663	0.00063287	0.165282
2492	497796.65	3858622.63	0.00832	0.00408	0.00464	0.00832	0.00755	0.02042	0.00411	0.00408	0.15359047	0.000173598	1.113E-08	0.0007754	0.0062639	0.0050825	0.000671	0.00063914	0.165918
2493	497896.65	3858622.63	0.00834	0.00413	0.00467	0.0084	0.00766	0.0197	0.00416	0.00413	0.15395968	0.000175725	1.12E-08	0.0007828	0.0063552	0.0049033	0.000679	0.00064697	0.166209
2494	497396.65	3858722.63	0.00821	0.00403	0.00459	0.00816	0.00715	0.02358	0.00404	0.00403	0.15155983	0.00017147	1.101E-08	0.0007605	0.005932	0.005869	0.000659	0.0006313	0.164321
2495	497496.65	3858722.63	0.00826	0.00406	0.00461	0.00822	0.00724	0.02257	0.00408	0.00406	0.15248285	0.000172747	1.106E-08	0.0007661	0.0060067	0.0056176	0.000666	0.000636	0.165076
2496	497596.65	3858722.63	0.00835	0.00413	0.00465	0.00836	0.00741	0.02175	0.00414	0.00413	0.15414428	0.000175725	1.115E-08	0.0007791	0.0061477	0.0054135	0.000676	0.00064697	0.166689
2497	497696.65	3858722.63	0.00837	0.00416	0.00467	0.00842	0.0075	0.0209	0.00418	0.00416	0.15451349	0.000177002	1.12E-08	0.0007847	0.0062224	0.0052019	0.000682	0.00065167	0.16693
2498	497796.65	3858722.63	0.00834	0.00418	0.00466	0.00842	0.00753	0.02007	0.0042	0.00418	0.15395968	0.000177853	1.118E-08	0.0007847	0.0062473	0.0049954	0.000686	0.0006548	0.166196
2499	497896.65	3858722.63	0.00832	0.00422	0.00468	0.00847	0.00759	0.01934	0.00424	0.00422	0.15359047	0.000179554	1.122E-08	0.0007894	0.0062971	0.0048137	0.000692	0.00066107	0.165701
2500	497396.65	3858822.63	0.00825	0.00413	0.0046	0.00822	0.00712	0.02287	0.00413	0.00413	0.15229824	0.000175725	1.103E-08	0.0007661	0.0059071	0.0056923	0.000674	0.00064697	0.164867
2501	497496.65	3858822.63	0.00827	0.00415	0.0046	0.00826	0.00719	0.0219	0.00416	0.00415	0.15266745	0.000176576	1.103E-08	0.0007698	0.0059652	0.0054508	0.000679	0.0006501	0.165059
2502	497596.65	3858822.63	0.00838	0.00422	0.00465	0.00844	0.00739	0.02112	0.00424	0.00422	0.15469809	0.000179554	1.115E-08	0.0007866	0.0061312	0.0052567	0.000692	0.00066107	0.167083
2503	497696.65	3858822.63	0.00835	0.00426	0.00468	0.00847	0.00744	0.02033	0.00427	0.00426	0.15414428	0.000181256	1.122E-08	0.0007894	0.0061726	0.0050601	0.000697	0.00066733	0.166377
2504	497796.65	3858822.63	0.00832	0.00427	0.00467	0.00848	0.00748	0.01952	0.00429	0.00427	0.15359047	0.000181682	1.12E-08	0.0007903	0.0062058	0.0048585	0.0007	0.0006689	0.165658

2505	497896.65	3858822.63	0.00832	0.00434	0.00471	0.00859	0.00759	0.01889	0.00435	0.00434	0.15359047	0.00018466	1.13E-08	0.0008006	0.0062971	0.0047017	0.00071	0.00067987	0.165605
2506	497396.65	3858922.63	0.00828	0.00423	0.00458	0.00829	0.00712	0.02194	0.00424	0.00423	0.15285205	0.00017998	1.098E-08	0.0007726	0.0059071	0.0054608	0.000692	0.00066263	0.165202
2507	497496.65	3858922.63	0.00835	0.0043	0.00464	0.00843	0.00729	0.02115	0.0043	0.0043	0.15414428	0.000182958	1.113E-08	0.0007856	0.0060482	0.0052642	0.000702	0.0006736	0.166454
2508	497596.65	3858922.63	0.00828	0.00429	0.0046	0.00838	0.00726	0.02024	0.0043	0.00429	0.15285205	0.000182533	1.103E-08	0.000781	0.0060233	0.0050377	0.000702	0.00067203	0.164906
2509	497696.65	3858922.63	0.00834	0.00436	0.00467	0.00856	0.00744	0.0196	0.00437	0.00436	0.15395968	0.000185511	1.12E-08	0.0007978	0.0061726	0.0048784	0.000713	0.000683	0.166024
2510	497796.65	3858922.63	0.00831	0.00442	0.00471	0.00863	0.00752	0.01901	0.00442	0.00442	0.15340587	0.000188064	1.13E-08	0.0008043	0.006239	0.0047315	0.000721	0.0006924	0.165398
2511	497896.65	3858922.63	0.00831	0.00449	0.00475	0.00879	0.00766	0.01848	0.00449	0.00449	0.15340587	0.000191043	1.139E-08	0.0008192	0.0063552	0.0045996	0.000733	0.00070336	0.1654
2512	497364.44	3858201.52	0.00776	0.00361	0.00439	0.00793	0.00735	0.03362	0.00361	0.00361	0.14325265	0.0001536	1.053E-08	0.000739	0.006098	0.0083679	0.000589	0.00056551	0.158635
2513	497414.44	3858201.52	0.00781	0.00362	0.00439	0.00795	0.00736	0.03177	0.00362	0.00362	0.14417567	0.000154025	1.053E-08	0.0007409	0.0061063	0.0079074	0.000591	0.00056708	0.159108
2514	497464.44	3858201.52	0.00785	0.00364	0.00439	0.00797	0.00739	0.03023	0.00364	0.00364	0.14491409	0.000154876	1.053E-08	0.0007428	0.0061312	0.0075241	0.000594	0.00057021	0.159491
2515	497514.44	3858201.52	0.00784	0.00365	0.00442	0.00796	0.00741	0.02896	0.00365	0.00365	0.14472948	0.000155302	1.06E-08	0.0007418	0.0061477	0.007208	0.000596	0.00057178	0.159006
2516	497564.44	3858201.52	0.00781	0.00364	0.0044	0.00791	0.00738	0.02777	0.00364	0.00364	0.14417567	0.000154876	1.055E-08	0.0007372	0.0061229	0.0069119	0.000594	0.00057021	0.158126
2517	497614.44	3858201.52	0.00781	0.00364	0.0044	0.0079	0.00737	0.0267	0.00365	0.00364	0.14417567	0.000154876	1.055E-08	0.0007362	0.0061146	0.0066455	0.000596	0.00057021	0.157852
2518	497364.44	3858251.52	0.00786	0.00366	0.00444	0.00799	0.00737	0.03164	0.00366	0.00366	0.14509869	0.000155727	1.065E-08	0.0007446	0.0061146	0.0078751	0.000597	0.00057334	0.160013
2519	497414.44	3858251.52	0.00792	0.00368	0.00446	0.00803	0.00743	0.03015	0.00368	0.00368	0.14620631	0.000156578	1.07E-08	0.0007484	0.0061643	0.0075042	0.000601	0.00057648	0.160804
2520	497464.44	3858251.52	0.00786	0.00367	0.00443	0.00797	0.00737	0.02887	0.00367	0.00367	0.14509869	0.000156153	1.062E-08	0.0007428	0.0061146	0.0071856	0.000599	0.00057491	0.159322
2521	497514.44	3858251.52	0.00779	0.00365	0.0044	0.0079	0.00731	0.02768	0.00366	0.00365	0.14380646	0.000155302	1.055E-08	0.0007362	0.0060648	0.0068895	0.000597	0.00057178	0.157678
2522	497564.44	3858251.52	0.00776	0.00365	0.00438	0.00786	0.00727	0.0266	0.00365	0.00365	0.14325265	0.000155302	1.05E-08	0.0007325	0.0060316	0.0066206	0.000596	0.00057178	0.156817
2523	497614.44	3858251.52	0.00773	0.00364	0.00437	0.00782	0.00724	0.02562	0.00365	0.00364	0.14269884	0.000154876	1.048E-08	0.0007288	0.0060067	0.0063767	0.000596	0.00057021	0.155992
2524	497364.44	3858301.52	0.00789	0.00369	0.00445	0.00798	0.00733	0.03009	0.00369	0.00369	0.1456525	0.000157004	1.067E-08	0.0007437	0.0060814	0.0074893	0.000602	0.00057804	0.160148
2525	497414.44	3858301.52	0.00792	0.0037	0.00446	0.008	0.00736	0.02884	0.00371	0.0037	0.14620631	0.000157429	1.07E-08	0.0007456	0.0061063	0.0071782	0.000606	0.00057961	0.16042
2526	497464.44	3858301.52	0.00784	0.00368	0.00442	0.00793	0.00729	0.02769	0.00369	0.00368	0.14472948	0.000156578	1.06E-08	0.000739	0.0060482	0.0068919	0.000602	0.00057648	0.158591
2527	497514.44	3858301.52	0.00779	0.00367	0.0044	0.00787	0.00724	0.02662	0.00368	0.00367	0.14380646	0.000156153	1.055E-08	0.0007335	0.0060067	0.0066256	0.000601	0.00057491	0.157354
2528	497564.44	3858301.52	0.00772	0.00366	0.00437	0.0078	0.00717	0.02562	0.00366	0.00366	0.14251423	0.000155727	1.048E-08	0.0007269	0.0059486	0.0063767	0.000597	0.00057334	0.155746
2529	497614.44	3858301.52	0.00768	0.00365	0.00435	0.00776	0.00714	0.02472	0.00365	0.00365	0.14177582	0.000155302	1.043E-08	0.0007232	0.0059237	0.0061527	0.000596	0.00057178	0.154755
2530	497364.44	3858351.52	0.00792	0.00372	0.00447	0.008	0.0073	0.02885	0.00373	0.00372	0.14620631	0.00015828	1.072E-08	0.0007456	0.0060565	0.0071807	0.000609	0.00058274	0.160373
2531	497414.44	3858351.52	0.00787	0.00371	0.00444	0.00794	0.00726	0.02772	0.00372	0.00371	0.14528329	0.000157855	1.065E-08	0.00074	0.0060233	0.0068994	0.000607	0.00058118	0.15913
2532	497464.44	3858351.52	0.00784	0.00371	0.00442	0.0079	0.00723	0.02668	0.00371	0.00371	0.14472948	0.000157855	1.06E-08	0.0007362	0.0059984	0.0066406	0.000606	0.00058118	0.158287
2533	497514.44	3858351.52	0.0078	0.0037	0.0044	0.00786	0.00719	0.02571	0.0037	0.0037	0.14399107	0.000157429	1.055E-08	0.0007325	0.0059652	0.0063991	0.000604	0.00057961	0.15727
2534	497564.44	3858351.52	0.00771	0.00368	0.00436	0.00777	0.00711	0.02479	0.00368	0.00368	0.14232963	0.000156578	1.046E-08	0.0007241	0.0058988	0.0061701	0.000601	0.00057648	0.155304
2535	497614.44	3858351.52	0.00768	0.00367	0.00435	0.00773	0.00708	0.02395	0.00367	0.00367	0.14177582	0.000156153	1.043E-08	0.0007204	0.005874	0.0059611	0.000599	0.00057491	0.154512
2536	497364.44	3858401.52	0.00789	0.00373	0.00444	0.00794	0.00718	0.0277	0.00373	0.00373	0.1456525	0.000158706	1.065E-08	0.00074	0.0059569	0.0068944	0.000609	0.00058431	0.159427
2537	497414.44	3858401.52	0.00785	0.00373	0.00444	0.0079	0.00718	0.02673	0.00373	0.00373	0.14491409	0.000158706	1.065E-08	0.0007362	0.0059569	0.006653	0.000609	0.00058431	0.158444
2538	497464.44	3858401.52	0.0078	0.00372	0.00441	0.00784	0.00713	0.02578	0.00372	0.00372	0.14399107	0.00015828	1.058E-08	0.0007307	0.0059154	0.0064166	0.000607	0.00058274	0.157236
2539	497514.44	3858401.52	0.00776	0.00371	0.00439	0.0078	0.00709	0.0249	0.00371	0.00371	0.14325265	0.000157855	1.053E-08	0.0007269	0.0058823	0.0061975	0.000606	0.00058118	0.156242
2540	497564.44	3858401.52	0.0078	0.00373	0.00439	0.00783	0.00713	0.02411	0.00373	0.00373	0.14399107	0.000158706	1.053E-08	0.0007297	0.0059154	0.0060009	0.000609	0.00058431	0.15682
2541	497614.44	3858401.52	0.00785	0.00373	0.00439	0.00786	0.00715	0.02334	0.00375	0.00373	0.14491409	0.000158706	1.053E-08	0.0007325	0.005932	0.0058092	0.000612	0.00058431	0.157574
2542	493478.11	3860497.94	0.00866	0.01822	0.00593	0.01476	0.00426	0.04438	0.01816	0.01822	0.159867	0.000775233	1.422E-08	0.0013756	0.0035343	0.011046	0.002964	0.00285419	0.176708
2543	493528.11	3860497.94	0.00857	0.01788	0.0059	0.0146	0.00422	0.04376	0.01782	0.01788	0.15820557	0.000760766	1.415E-08	0.0013607	0.0035011	0.0108917	0.002909	0.00280092	0.174828
2544	493478.11	3860547.94	0.00834	0.01897	0.00563	0.01412	0.00421	0.0366	0.01892	0.01897	0.15395968	0.000807144	1.35E-08	0.0013159	0.0034928	0.0091096	0.003088	0.00297167	0.168802
2545	493528.11	3860547.94	0.00826	0.01864	0.0056	0.01399	0.00417	0.03616	0.01858	0.01864	0.15248285	0.000793103	1.343E-08	0.0013038	0.0034597	0.0090001	0.003033	0.00291998	0.167152
2546	493478.11	3860597.94	0.00803	0.01977	0.00536	0.01352	0.00415	0.03082	0.01973	0.01977	0.14823696	0.000841183	1.286E-08	0.00126	0.0034431	0.007671	0.003221	0.00309699	0.161576
2547	493528.11	3860597.94	0.00796	0.0194	0.00533	0.0134	0.00412	0.03056	0.01935	0.0194	0.14694473	0.00082544	1.278E-08	0.0012488	0.0034182	0.0076063	0.003158	0.00303903	0.160163
2548	493561.88	3860524.64	0.00835	0.01803	0.00573	0.01418	0.00417	0.03909	0.01797	0.01803	0.15414428	0.000767149	1.374E-08	0.0013215	0.0034597	0.0097294	0.002933	0.00282442	0.169531
2549	493591.88	3860524.64	0.00832	0.01778	0.00572	0.0141	0.00415	0.03889	0.01771	0.01778	0.15359047	0.000756512	1.372E-08	0.0013141	0.0034431	0.0096796	0.002891	0.00278526	0.168889
2550	493561.88	3860554.64	0.00817	0.01849	0.00555	0.01383	0.00414	0.03507	0.01843	0.01849	0.15082141	0.000786721	1.331E-08	0.0012889	0.0034348	0.0087288	0.003008	0.00289648	0.165172
2551	493591.88	3860554.64	0.00814	0.01819	0.00555	0.01376	0.00412	0.03495	0.01813	0.01819	0.1502676	0.000773956	1.331E-08	0.0012824	0.0034182	0.0086989	0.002959	0.00284949	0.164551
2552	492880.5	3860293.11	0.01169	0.02142	0.00772	0.0218	0.00488	0.44943	0.02143	0.02142	0.21580199	0.000911388	1.852E-08	0.0020317	0.0040487	0.1118616	0.003498	0.00335547	0.334798
2553	492930.5	3860293.11	0.01151	0.02069	0.00771	0.02134	0.00487	0.41029	0.02068	0.02069	0.21247912	0.000880328	1.849E-08	0.0019888	0.0040404	0.1021198	0.003376	0.00324111	0.321643
2554	492980.5	3860293.11	0.01136	0.01997	0.00767	0.02089	0.00485	0.38808	0.01994	0.01997	0.20971006	0.000849693	1.84E-08	0.0019469	0.0040238	0.0965918	0.003255	0.00312832	0.313249
2555	493030.5	3860293.11	0.01129	0.01877	0.0075	0.02034	0.00486	0.36135	0.01874	0.01877	0.20841784	0.000798635	1.799E-08	0.0018956	0.0040321	0.0899388	0.003059	0.00294034	0.305202
2556	493080.5	3860293.11	0.01127	0.01762	0.00731	0.01966	0.00487	0.34386	0.01758	0.01762	0.20804863	0.000749704	1.753E-08	0.0018322	0.0040404	0.0855856	0.00287	0.00276019	0.300366
2557	493130.5	3860293.11	0.01101	0.01772	0.00736	0.0195	0.0048	0.3469	0.01767	0.01772	0.20324893	0.000753959	1.765E-08	0.0018173	0.0039823	0.0863422	0.002884	0.00277586	0.296253
2558	493180.5	3860293.11	0.01079	0.01769	0.00739	0.01922	0.00473	0.33685	0.01763	0.01769	0.19918764	0.000752682	1.772E-08	0.0017912	0.0039243	0.0838408	0.002878	0.00277116	0.289603
2559	493230.5	3860293.11	0.01063	0.01737	0.00736	0.01888	0.00468	0.3321	0.0173	0.01737	0.19623398	0.000739067	1.765E-08	0.0017595	0.0038828	0.0826586	0.002824	0.00272103	0.285377
2560	493280.5	3860293.11	0.01055	0.01673	0.00725	0.01849	0.00466	0.33885	0.01665	0.01673	0.19475715	0.000711836	1.739E-08	0.0017232	0.0038662	0.0843386	0.002718	0.00262077	0.285494
2561	493330.5	3860293.11	0.01044	0.01627	0.00718	0.01814	0.00462	0.33194	0.01619	0.01627	0.1927265	0.000692263	1.722E-08	0.0016906	0.003833	0.0826187	0.002643	0.00254872	0.281655

2562	493380.5	3860293.11	0.01033	0.0159	0.00712	0.01782	0.00457	0.32375	0.01581	0.0159	0.19069586	0.00067652	1.708E-08	0.0016608	0.0037915	0.0805803	0.002581	0.00249075	0.277495
2563	492880.5	3860343.11	0.01121	0.02242	0.00724	0.02042	0.00477	0.31908	0.02244	0.02242	0.20694101	0.000953936	1.736E-08	0.0019031	0.0039575	0.0794179	0.003663	0.00351212	0.293324
2564	492930.5	3860343.11	0.01104	0.02168	0.00723	0.02007	0.00476	0.23106	0.02169	0.02168	0.20380274	0.000922451	1.734E-08	0.0018704	0.0039492	0.05751	0.00354	0.0033962	0.268199
2565	492980.5	3860343.11	0.01098	0.02039	0.00723	0.01969	0.0048	0.18232	0.02038	0.02039	0.20269512	0.000867563	1.734E-08	0.001835	0.0039823	0.0453788	0.003327	0.00319412	0.254891
2566	493030.5	3860343.11	0.01083	0.01975	0.00719	0.01934	0.00477	0.16219	0.01973	0.01975	0.19992606	0.000840332	1.724E-08	0.0018024	0.0039575	0.0403685	0.003221	0.00309386	0.247021
2567	493080.5	3860343.11	0.01079	0.01864	0.00703	0.01887	0.00479	0.14617	0.01861	0.01864	0.19918764	0.000793103	1.686E-08	0.0017586	0.003974	0.0363812	0.003038	0.00291998	0.242212
2568	493130.5	3860343.11	0.01061	0.01837	0.00703	0.01859	0.00474	0.14242	0.01833	0.01837	0.19586477	0.000781615	1.686E-08	0.0017325	0.0039326	0.0354479	0.002992	0.00287768	0.237874
2569	493180.5	3860343.11	0.01039	0.01835	0.00707	0.01837	0.00467	0.13782	0.0183	0.01835	0.19180348	0.000780764	1.696E-08	0.001712	0.0038745	0.0343029	0.002987	0.00287455	0.232586
2570	493230.5	3860343.11	0.01025	0.01802	0.00704	0.01808	0.00463	0.13383	0.01796	0.01802	0.18921903	0.000766723	1.688E-08	0.001685	0.0038413	0.0333098	0.002932	0.00282285	0.228931
2571	493280.5	3860343.11	0.01018	0.01735	0.00695	0.01774	0.0046	0.13279	0.01729	0.01735	0.1879268	0.000738216	1.667E-08	0.0016533	0.0038164	0.033051	0.002822	0.0027179	0.22729
2572	493330.5	3860343.11	0.01009	0.01682	0.00687	0.01742	0.00457	0.13125	0.01675	0.01682	0.18626537	0.000715665	1.648E-08	0.0016235	0.0037915	0.0326677	0.002734	0.00263487	0.225163
2573	493380.5	3860343.11	0.00998	0.01645	0.00683	0.01715	0.00453	0.12951	0.01637	0.01645	0.18423472	0.000699922	1.638E-08	0.0015983	0.0037583	0.0322346	0.002672	0.00257691	0.222621
2574	492880.5	3860393.11	0.01072	0.0235	0.00681	0.01906	0.00465	0.26628	0.02354	0.0235	0.19789541	0.000999889	1.633E-08	0.0017763	0.0038579	0.0662762	0.003842	0.0036813	0.270967
2575	492930.5	3860393.11	0.01059	0.02262	0.00682	0.01881	0.00466	0.17751	0.02264	0.02262	0.19549556	0.000962446	1.636E-08	0.001753	0.0038662	0.0441816	0.003695	0.00354345	0.246411
2576	492980.5	3860393.11	0.01049	0.02157	0.00685	0.01856	0.00468	0.13612	0.02158	0.02157	0.19364952	0.00091777	1.643E-08	0.0017297	0.0038828	0.0338798	0.003522	0.00337897	0.234203
2577	493030.5	3860393.11	0.01038	0.02072	0.00686	0.01829	0.00468	0.11451	0.02072	0.02072	0.19161888	0.000881604	1.645E-08	0.0017046	0.0038828	0.0285012	0.003382	0.00324581	0.226725
2578	493080.5	3860393.11	0.01035	0.01954	0.00674	0.01794	0.0047	0.09993	0.01953	0.01954	0.19106507	0.000831397	1.616E-08	0.0016719	0.0038994	0.0248722	0.003188	0.00306096	0.222467
2579	493130.5	3860393.11	0.01017	0.01933	0.00675	0.01773	0.00466	0.09443	0.0193	0.01933	0.1877422	0.000822462	1.619E-08	0.0016524	0.0038662	0.0235033	0.00315	0.00302807	0.217709
2580	493180.5	3860393.11	0.00998	0.01925	0.00677	0.01751	0.0046	0.0899	0.01922	0.01925	0.18423472	0.000819058	1.624E-08	0.0016319	0.0038164	0.0223758	0.003137	0.00301554	0.213
2581	493230.5	3860393.11	0.00987	0.01876	0.00674	0.01726	0.00456	0.08624	0.01871	0.01876	0.18220408	0.000798209	1.616E-08	0.0016086	0.0037832	0.0214648	0.003054	0.00293878	0.209974
2582	493280.5	3860393.11	0.00981	0.01802	0.00665	0.01698	0.00455	0.08401	0.01797	0.01802	0.18109646	0.000766723	1.595E-08	0.0015825	0.0037749	0.0209098	0.002933	0.00282285	0.208241
2583	493330.5	3860393.11	0.00973	0.01745	0.00659	0.01671	0.00452	0.08238	0.01739	0.01745	0.17961962	0.000742471	1.581E-08	0.0015573	0.00375	0.0205041	0.002839	0.00273356	0.206279
2584	493380.5	3860393.11	0.00963	0.01703	0.00654	0.01647	0.00448	0.0811	0.01696	0.01703	0.17777359	0.0007246	1.569E-08	0.0015349	0.0037169	0.0201855	0.002768	0.00266777	0.204036
2585	492880.5	3860443.11	0.01026	0.02459	0.00642	0.01778	0.00453	0.12408	0.02464	0.02459	0.18940363	0.001046267	1.54E-08	0.001657	0.0037583	0.0308831	0.004022	0.00385205	0.226918
2586	492930.5	3860443.11	0.01012	0.0238	0.00641	0.01758	0.00453	0.10499	0.02383	0.0238	0.18681918	0.001012653	1.537E-08	0.0016384	0.0037583	0.0261317	0.00389	0.0037283	0.219522
2587	492980.5	3860443.11	0.01002	0.02281	0.00643	0.01742	0.00455	0.09126	0.02284	0.02281	0.18497314	0.00097053	1.542E-08	0.0016235	0.0037749	0.0227143	0.003728	0.00357321	0.214211
2588	493030.5	3860443.11	0.00993	0.02189	0.00645	0.01724	0.00457	0.08164	0.0219	0.02189	0.1833117	0.000931386	1.547E-08	0.0016067	0.0037915	0.0203199	0.003575	0.0034291	0.210107
2589	493080.5	3860443.11	0.00982	0.02117	0.00644	0.01703	0.00456	0.07494	0.02117	0.02117	0.18128106	0.000900751	1.545E-08	0.0015871	0.0037832	0.0186523	0.003456	0.00331631	0.206344
2590	493130.5	3860443.11	0.00972	0.02051	0.00643	0.01683	0.00455	0.07014	0.0205	0.02051	0.17943502	0.000872669	1.542E-08	0.0015685	0.0037749	0.0174576	0.003346	0.00321292	0.203242
2591	493180.5	3860443.11	0.00956	0.0203	0.00637	0.01662	0.0045	0.06661	0.02028	0.0203	0.17648136	0.000863734	1.528E-08	0.0015489	0.0037334	0.016579	0.00331	0.00318002	0.199337
2592	493230.5	3860443.11	0.0095	0.01947	0.0064	0.01642	0.0045	0.064	0.01944	0.01947	0.17537373	0.000828418	1.535E-08	0.0015303	0.0037334	0.0159294	0.003173	0.00305	0.197518
2593	493280.5	3860443.11	0.00943	0.01884	0.00638	0.01622	0.00448	0.06206	0.0188	0.01884	0.17408151	0.000801613	1.53E-08	0.0015116	0.0037169	0.0154465	0.003069	0.00295131	0.195676
2594	493330.5	3860443.11	0.00937	0.01811	0.00631	0.016	0.00447	0.06067	0.01806	0.01811	0.17297388	0.000770553	1.513E-08	0.0014911	0.0037086	0.0151006	0.002948	0.00283695	0.194156
2595	493380.5	3860443.11	0.00927	0.01778	0.00629	0.01581	0.00443	0.05953	0.01772	0.01778	0.17112784	0.000756512	1.509E-08	0.0014734	0.0036754	0.0148168	0.002892	0.00278526	0.191957
2596	493180.5	3860493.11	0.0092	0.0211	0.00604	0.01576	0.00442	0.0512	0.02109	0.0211	0.16983562	0.000897772	1.449E-08	0.0014688	0.0036671	0.0127435	0.003442	0.00330534	0.18875
2597	493230.5	3860493.11	0.00912	0.02037	0.00605	0.01561	0.00442	0.04985	0.02035	0.02037	0.16835878	0.000866712	1.451E-08	0.0014548	0.0036671	0.0124075	0.003322	0.00319099	0.186886
2598	493280.5	3860493.11	0.00906	0.01966	0.00606	0.01545	0.00441	0.04869	0.01963	0.01966	0.16725116	0.000836503	1.453E-08	0.0014399	0.0036588	0.0121188	0.003204	0.00307976	0.18543
2599	493330.5	3860493.11	0.00899	0.01906	0.00606	0.01529	0.00439	0.04774	0.01903	0.01906	0.16595893	0.000810974	1.453E-08	0.001425	0.0036422	0.0118823	0.003106	0.00298577	0.18384
2600	493380.5	3860493.11	0.00889	0.0187	0.00603	0.01513	0.00436	0.04687	0.01865	0.0187	0.16411289	0.000795656	1.446E-08	0.0014101	0.0036173	0.0116658	0.003044	0.00292938	0.181717
2601	493330.5	3860543.11	0.00864	0.01993	0.00574	0.01458	0.00432	0.03874	0.0199	0.01993	0.1594978	0.000847991	1.377E-08	0.0013588	0.0035841	0.0096423	0.003248	0.00312206	0.175057
2602	493380.5	3860543.11	0.00855	0.01954	0.00572	0.01445	0.00429	0.03825	0.01951	0.01954	0.15783636	0.000831397	1.372E-08	0.0013467	0.0035592	0.0095203	0.003185	0.00306096	0.173218
2603	494135.94	3860876.85	0.00607	0.02013	0.00404	0.01012	0.00352	0.01492	0.02008	0.02013	0.11205459	0.0008565	9.689E-09	0.0009431	0.0029204	0.0037135	0.003278	0.00315339	0.120612
2604	494185.94	3860876.85	0.00604	0.01981	0.00403	0.01006	0.00349	0.0148	0.01975	0.01981	0.11150077	0.000842885	9.665E-09	0.0009376	0.0028955	0.0036837	0.003224	0.00310326	0.119981
2605	494135.94	3860926.85	0.00586	0.02148	0.00387	0.00979	0.00348	0.01367	0.02143	0.02148	0.1081779	0.000913941	9.282E-09	0.0009124	0.0028872	0.0034024	0.003498	0.00336487	0.116427
2606	494185.94	3860926.85	0.00584	0.0211	0.00387	0.00975	0.00346	0.0136	0.02105	0.0211	0.1078087	0.000897772	9.282E-09	0.0009087	0.0028706	0.003385	0.003436	0.00330534	0.116001
2607	494135.94	3860976.85	0.00566	0.02304	0.00372	0.00949	0.00344	0.0126	0.02299	0.02304	0.10448582	0.000980316	8.922E-09	0.0008844	0.002854	0.0031361	0.003753	0.00360924	0.112484
2608	494185.94	3860976.85	0.00564	0.0226	0.00372	0.00946	0.00342	0.01255	0.02255	0.0226	0.10411662	0.000961595	8.922E-09	0.0008816	0.0028374	0.0031237	0.003681	0.00354032	0.112061
2609	494135.94	3861026.85	0.00547	0.02492	0.00356	0.0092	0.00339	0.01166	0.02488	0.02492	0.10097835	0.001060308	8.538E-09	0.0008574	0.0028125	0.0029021	0.004061	0.00390375	0.108768
2610	494185.94	3861026.85	0.00545	0.02441	0.00357	0.00917	0.00338	0.01163	0.02436	0.02441	0.10060914	0.001038608	8.562E-09	0.0008546	0.0028042	0.0028947	0.003976	0.00382386	0.108354
2611	494135.94	3861076.85	0.00528	0.02721	0.00342	0.00892	0.00334	0.01084	0.02715	0.02721	0.09747088	0.001157744	8.202E-09	0.0008313	0.002771	0.002698	0.004432	0.00426248	0.105098
2612	494185.94	3861076.85	0.00526	0.02661	0.00342	0.00889	0.00333	0.01082	0.02655	0.02661	0.09710167	0.001132214	8.202E-09	0.0008285	0.0027628	0.0026931	0.004334	0.00416849	0.104683
2613	490360.04	3858710.04	0.03015	0.01919	0.01921	0.06904	0.01664	0.03816	0.01814	0.01919	0.55658085	0.000816505	4.607E-08	0.0064342	0.0138055	0.0094979	0.002961	0.00300614	0.58709
2614	490410.04	3858710.04	0.02971	0.01865	0.01974	0.06706	0.01666	0.03709	0.01763	0.01865	0.54845828	0.000793529	4.734E-08	0.0062497	0.0138221	0.0092316	0.002878	0.00292155	0.578511
2615	490460.04	3858710.04	0.02936	0.01803	0.01976	0.06491	0.01671	0.03588	0.01705	0.01803	0.54199714	0.000767149	4.739E-08	0.0060493	0.0138635	0.0089304	0.002783	0.00282442	0.571566
2616	490510.04	3858710.04	0.02896	0.01754	0.01953	0.0631	0.01671	0.03492	0.01659	0.01754	0.53461298	0.0007463	4.684E-08	0.0058807	0.0138635	0.0086915	0.002708	0.00274766	0.563755
2617	490560.04	3858710.04	0.02855	0.01711	0.01926	0.06155	0.0167	0.03407	0.01618	0.01711	0.52704422	0.000728004	4.619E-08	0.0057362	0.0138552	0.0084799	0.002641	0.0026803	0.555804
2618	490610.04	3858710.04	0.02817	0.01668	0.01911	0.0601	0.0167	0.03323	0.01577	0.01668	0.52002927	0.000709708	4.583E-08	0.0056011	0.0138552	0.0082708	0.002574	0.00261294	0.548427

2619	490660.04	3858710.04	0.02775	0.01636	0.01918	0.05906	0.01669	0.0326	0.01547	0.01636	0.51227591	0.000696093	4.6E-08	0.0055041	0.0138469	0.008114	0.002525	0.00256281	0.5404
2620	490710.04	3858710.04	0.02744	0.0159	0.0192	0.05758	0.01672	0.03171	0.01505	0.0159	0.50655319	0.00067652	4.605E-08	0.0053662	0.0138718	0.0078925	0.002457	0.00249075	0.534326
2621	490760.04	3858710.04	0.02711	0.0155	0.01928	0.05612	0.01675	0.03093	0.01467	0.0155	0.50046126	0.000659501	4.624E-08	0.0052302	0.0138967	0.0076984	0.002395	0.00242809	0.527913
2622	490810.04	3858710.04	0.0268	0.01512	0.01934	0.05452	0.01678	0.03018	0.01432	0.01512	0.49473853	0.000643333	4.638E-08	0.005081	0.0139216	0.0075117	0.002337	0.00236857	0.521865
2623	490860.04	3858710.04	0.02654	0.01469	0.0193	0.05265	0.01683	0.02935	0.01392	0.01469	0.48993883	0.000625037	4.629E-08	0.0049068	0.0139631	0.0073051	0.002272	0.00230121	0.51671
2624	490360.04	3858760.04	0.03036	0.01999	0.02109	0.06707	0.01574	0.03908	0.01889	0.01999	0.56045753	0.000850544	5.058E-08	0.0062506	0.0130588	0.0097269	0.003083	0.00313146	0.590296
2625	490410.04	3858760.04	0.02992	0.01938	0.0213	0.06493	0.01576	0.0379	0.01832	0.01938	0.55233496	0.000824589	5.108E-08	0.0060512	0.0130754	0.0094332	0.00299	0.0030359	0.581674
2626	490460.04	3858760.04	0.02952	0.01876	0.02108	0.06281	0.01577	0.03672	0.01774	0.01876	0.5449508	0.000798209	5.056E-08	0.0058536	0.0130837	0.0091395	0.002896	0.00293878	0.573783
2627	490510.04	3858760.04	0.02915	0.01815	0.02077	0.0608	0.01579	0.03557	0.01716	0.01815	0.53812046	0.000772255	4.981E-08	0.0056663	0.0131003	0.0088533	0.002801	0.00284322	0.56647
2628	490560.04	3858760.04	0.02875	0.01764	0.02067	0.05914	0.01577	0.0346	0.01669	0.01764	0.5307363	0.000750555	4.957E-08	0.0055116	0.0130837	0.0086118	0.002724	0.00276333	0.558655
2629	490610.04	3858760.04	0.02838	0.01713	0.0207	0.05754	0.01577	0.03363	0.01621	0.01713	0.52390595	0.000728855	4.965E-08	0.0053625	0.0130837	0.0083704	0.002646	0.00268344	0.551414
2630	490660.04	3858760.04	0.02801	0.01667	0.02084	0.05611	0.01575	0.03276	0.01578	0.01667	0.51707561	0.000709283	4.998E-08	0.0052292	0.0130671	0.0081539	0.002576	0.00261138	0.544199
2631	490710.04	3858760.04	0.02766	0.01623	0.02098	0.05467	0.01575	0.03193	0.01537	0.01623	0.51061447	0.000690561	5.032E-08	0.005095	0.0130671	0.0079473	0.002509	0.00254245	0.537381
2632	490760.04	3858760.04	0.02735	0.01576	0.02102	0.05301	0.01575	0.03104	0.01493	0.01576	0.50489175	0.000670564	5.041E-08	0.0049403	0.0130671	0.0077258	0.002437	0.00246882	0.531264
2633	490810.04	3858760.04	0.02704	0.01533	0.02101	0.0513	0.01576	0.03022	0.01453	0.01533	0.49916903	0.000652268	5.039E-08	0.0047809	0.0130754	0.0075217	0.002372	0.00240146	0.52517
2634	490860.04	3858760.04	0.02673	0.01496	0.02093	0.0497	0.01577	0.0295	0.01418	0.01496	0.49344631	0.000636525	5.02E-08	0.0046318	0.0130837	0.0073424	0.002315	0.0023435	0.519112
2635	490360.04	3858810.04	0.03064	0.02079	0.02313	0.06599	0.01496	0.03996	0.01966	0.02079	0.56562644	0.000884582	5.547E-08	0.00615	0.0124116	0.0099459	0.003209	0.00325678	0.594971
2636	490410.04	3858810.04	0.03019	0.0201	0.02301	0.06367	0.01498	0.03866	0.01901	0.0201	0.55731927	0.000855224	5.519E-08	0.0059338	0.0124282	0.0096223	0.003103	0.00314869	0.586113
2637	490460.04	3858810.04	0.02978	0.01943	0.02277	0.06147	0.01499	0.0374	0.01838	0.01943	0.5497505	0.000826717	5.461E-08	0.0057287	0.0124365	0.0093087	0.003	0.00304373	0.578008
2638	490510.04	3858810.04	0.02933	0.01887	0.02276	0.05967	0.01497	0.03636	0.01785	0.01887	0.54144333	0.000802889	5.459E-08	0.005561	0.0124199	0.0090499	0.002914	0.00295601	0.569235
2639	490560.04	3858810.04	0.02892	0.01831	0.0229	0.05795	0.01495	0.03532	0.01733	0.01831	0.53387457	0.000779062	5.492E-08	0.0054007	0.0124033	0.008791	0.002829	0.00286828	0.561209
2640	490610.04	3858810.04	0.02858	0.01769	0.02303	0.05608	0.01494	0.03417	0.01674	0.01769	0.52759803	0.000752682	5.523E-08	0.0052264	0.0123951	0.0085048	0.002732	0.00277116	0.554438
2641	490660.04	3858810.04	0.02821	0.01716	0.02319	0.05448	0.01492	0.0332	0.01625	0.01716	0.52076769	0.000730132	5.562E-08	0.0050773	0.0123785	0.0082634	0.002652	0.00268813	0.547181
2642	490710.04	3858810.04	0.02788	0.01663	0.02323	0.05274	0.0149	0.03222	0.01576	0.01663	0.51467576	0.000707581	5.571E-08	0.0049151	0.0123619	0.0080194	0.002572	0.00260511	0.540647
2643	490760.04	3858810.04	0.0276	0.01604	0.02308	0.05067	0.01489	0.03114	0.01521	0.01604	0.50950685	0.000682477	5.535E-08	0.0047222	0.0123536	0.0077506	0.002483	0.00251269	0.534986
2644	490810.04	3858810.04	0.02722	0.0157	0.02302	0.04929	0.01486	0.0305	0.01489	0.0157	0.5024919	0.000668011	5.521E-08	0.0045936	0.0123287	0.0075913	0.00243	0.00245942	0.527645
2645	490860.04	3858810.04	0.02693	0.01523	0.02276	0.0475	0.01485	0.02963	0.01446	0.01523	0.49713838	0.000648013	5.459E-08	0.0044268	0.0123204	0.0073748	0.00236	0.0023858	0.521883
2646	490360.04	3858860.04	0.03101	0.02156	0.02549	0.06548	0.01427	0.04074	0.02042	0.02156	0.57245679	0.000917345	6.113E-08	0.0061025	0.0118392	0.01014	0.003333	0.0033774	0.601412
2647	490410.04	3858860.04	0.03047	0.02096	0.02547	0.0634	0.01426	0.03962	0.01985	0.02096	0.56248818	0.000891816	6.109E-08	0.0059086	0.0118309	0.0098613	0.00324	0.00328341	0.590938
2648	490460.04	3858860.04	0.03005	0.02018	0.02545	0.06098	0.01428	0.03819	0.01912	0.02018	0.55473481	0.000858628	6.104E-08	0.0056831	0.0118475	0.0095054	0.003121	0.00316122	0.582589
2649	490510.04	3858860.04	0.02954	0.01966	0.02579	0.05933	0.01424	0.03722	0.01862	0.01966	0.54532001	0.000836503	6.185E-08	0.0055293	0.0118143	0.0092639	0.003039	0.00307976	0.572724
2650	490560.04	3858860.04	0.02915	0.01899	0.02601	0.05735	0.01423	0.03601	0.01799	0.01899	0.53812046	0.000807995	6.238E-08	0.0053448	0.011806	0.0089628	0.002936	0.00297481	0.565004
2651	490610.04	3858860.04	0.02883	0.01822	0.02604	0.05513	0.01424	0.03463	0.01727	0.01822	0.53221313	0.000775233	6.245E-08	0.0051379	0.0118143	0.0086193	0.002819	0.00285419	0.558525
2652	490660.04	3858860.04	0.02845	0.01766	0.02607	0.05339	0.0142	0.03362	0.01675	0.01766	0.52519818	0.000751406	6.252E-08	0.0049757	0.0117811	0.0083679	0.002734	0.00276646	0.551042
2653	490710.04	3858860.04	0.02804	0.01719	0.02603	0.05181	0.01415	0.03278	0.01632	0.01719	0.51762942	0.000731408	6.243E-08	0.0048285	0.0117396	0.0081588	0.002664	0.00269283	0.543059
2654	490760.04	3858860.04	0.02775	0.01657	0.0257	0.04968	0.01413	0.03166	0.01574	0.01657	0.51227591	0.000705028	6.164E-08	0.00463	0.011723	0.0078801	0.002569	0.00259571	0.537188
2655	490810.04	3858860.04	0.02746	0.01601	0.02535	0.04767	0.01409	0.03066	0.01522	0.01601	0.50692239	0.000681201	6.08E-08	0.0044426	0.0116898	0.0076312	0.002484	0.00250799	0.531344
2656	490860.04	3858860.04	0.02718	0.01547	0.025	0.04574	0.01405	0.02968	0.01471	0.01547	0.50175348	0.000658225	5.996E-08	0.0042628	0.0116567	0.0073873	0.002401	0.00242339	0.525696
2657	490360.04	3858910.04	0.03128	0.02276	0.02917	0.06646	0.01354	0.04219	0.02159	0.02276	0.57744109	0.000968403	6.996E-08	0.0061938	0.0112335	0.0105009	0.003524	0.00356538	0.606297
2658	490410.04	3858910.04	0.03076	0.02196	0.02937	0.06394	0.01357	0.04076	0.02084	0.02196	0.56784169	0.000934364	7.044E-08	0.0059589	0.0112584	0.010145	0.003402	0.00344006	0.5961
2659	490460.04	3858910.04	0.03028	0.02118	0.02968	0.06154	0.0136	0.03934	0.0201	0.02118	0.5589807	0.000901176	7.118E-08	0.0057353	0.0112833	0.0097916	0.003281	0.00331787	0.586655
2660	490510.04	3858910.04	0.02984	0.02039	0.02993	0.05923	0.01361	0.03794	0.01936	0.02039	0.55085813	0.000867563	7.178E-08	0.00552	0.0112916	0.0094431	0.00316	0.00319412	0.577946
2661	490560.04	3858910.04	0.02945	0.01961	0.02998	0.05699	0.01361	0.03656	0.01862	0.01961	0.54365858	0.000834375	7.19E-08	0.0053112	0.0112916	0.0090997	0.003039	0.00307193	0.570163
2662	490610.04	3858910.04	0.02908	0.01885	0.02983	0.05479	0.0136	0.03523	0.01791	0.01885	0.53682823	0.000802038	7.154E-08	0.0051062	0.0112833	0.0087686	0.002923	0.00295288	0.562759
2663	490660.04	3858910.04	0.02868	0.01823	0.0296	0.05285	0.01356	0.03414	0.01733	0.01823	0.52944407	0.000775658	7.099E-08	0.0049254	0.0112501	0.0084973	0.002829	0.00285575	0.554866
2664	490710.04	3858910.04	0.02833	0.01758	0.02921	0.05073	0.01352	0.033	0.01672	0.01758	0.52298293	0.000748002	7.006E-08	0.0047278	0.0112169	0.0082136	0.002729	0.00275393	0.547865
2665	490760.04	3858910.04	0.02804	0.01689	0.02874	0.04841	0.01348	0.03179	0.01607	0.01689	0.51762942	0.000718643	6.893E-08	0.0045116	0.0111838	0.0079124	0.002623	0.00264584	0.541933
2666	490810.04	3858910.04	0.0277	0.01637	0.02846	0.04659	0.01343	0.03087	0.01558	0.01637	0.51135289	0.000696518	6.826E-08	0.004342	0.0111423	0.0076834	0.002543	0.00256438	0.535196
2667	490860.04	3858910.04	0.02744	0.01574	0.02807	0.0445	0.01334	0.02977	0.015	0.01574	0.50655319	0.000669713	6.732E-08	0.0041472	0.0110676	0.0074097	0.002448	0.00246569	0.52983
2668	490360.04	3858960.04	0.03169	0.02386	0.03465	0.06758	0.01289	0.04344	0.0227	0.02386	0.58500986	0.001015206	8.31E-08	0.0062982	0.0106943	0.0108121	0.003705	0.0037377	0.613797
2669	490410.04	3858960.04	0.03116	0.02291	0.03504	0.06466	0.01295	0.04175	0.02179	0.02291	0.57522585	0.000974785	8.404E-08	0.006026	0.010744	0.0103914	0.003557	0.00358888	0.60333
2670	490460.04	3858960.04	0.03068	0.02196	0.03525	0.06184	0.013	0.04008	0.02089	0.02196	0.56636486	0.000934364	8.454E-08	0.0057632	0.0107855	0.0099758	0.00341	0.00344006	0.593794
2671	490510.04	3858960.04	0.03021	0.02111	0.03524	0.05939	0.01302	0.03861	0.02009	0.02111	0.55768847	0.000898198	8.452E-08	0.0055349	0.0108021	0.0096099	0.003279	0.00330691	0.584506
2672	490560.04	3858960.04	0.02977	0.02031	0.03498	0.05709	0.01302	0.03723	0.01934	0.02031	0.5495659	0.000864159	8.389E-08	0.0053206	0.0108021	0.0092664	0.003157	0.00318159	0.575794
2673	490610.04	3858960.04	0.02941	0.01942	0.03441	0.05446	0.01302	0.03569	0.0185	0.01942	0.54292016	0.000826291	8.253E-08	0.0050754	0.0108021	0.0088831	0.00302	0.00304217	0.568485
2674	490660.04	3858960.04	0.02894	0.01887	0.03414	0.05271	0.01298	0.03474	0.01798	0.01887	0.53424377	0.000802889	8.188E-08	0.0049124	0.0107689	0.0086467	0.002935	0.00295601	0.559354
2675	490710.04	3858960.04	0.02862	0.01807	0.03358	0.05021	0.01295	0.03337	0.01723	0.01807	0.52833645	0.000768851	8.054E-08	0.0046794	0.010744	0.0083057	0.002812	0.00283069	0.552816

2676	490760.04	3858960.04	0.02829	0.01738	0.03314	0.04796	0.01291	0.03219	0.01658	0.01738	0.52224452	0.000739492	7.948E-08	0.0044697	0.0107109	0.008012	0.002706	0.0027226	0.54616
2677	490810.04	3858960.04	0.02798	0.01673	0.03268	0.04584	0.01283	0.03107	0.01597	0.01673	0.5165218	0.000711836	7.838E-08	0.0042721	0.0106445	0.0077332	0.002607	0.00262077	0.539869
2678	490860.04	3858960.04	0.02773	0.01605	0.03206	0.04365	0.01274	0.02989	0.01533	0.01605	0.5119067	0.000682903	7.689E-08	0.004068	0.0105698	0.0074395	0.002502	0.00251425	0.534655
2679	490360.04	3859010.04	0.03215	0.02511	0.04281	0.06929	0.01225	0.04487	0.02396	0.02511	0.59350164	0.001068392	1.027E-07	0.0064575	0.0101633	0.011168	0.003911	0.00393351	0.622336
2680	490410.04	3859010.04	0.0316	0.02398	0.04289	0.0659	0.01234	0.04291	0.02288	0.02398	0.58334842	0.001020312	1.029E-07	0.0061416	0.0102379	0.0106802	0.003735	0.0037565	0.611407
2681	490460.04	3859010.04	0.03114	0.02279	0.04245	0.06249	0.01242	0.04088	0.02175	0.02279	0.57485664	0.000969679	1.018E-07	0.0058238	0.0103043	0.0101749	0.00355	0.00357008	0.60211
2682	490510.04	3859010.04	0.0307	0.0217	0.04176	0.05937	0.01247	0.03903	0.02072	0.0217	0.56673407	0.000923302	1.002E-07	0.005533	0.0103458	0.0097144	0.003382	0.00339933	0.593234
2683	490560.04	3859010.04	0.03017	0.02098	0.04132	0.05721	0.01247	0.03779	0.02002	0.02098	0.55695006	0.000892667	9.91E-08	0.0053317	0.0103458	0.0094058	0.003268	0.00328654	0.582907
2684	490610.04	3859010.04	0.02978	0.02003	0.04057	0.0544	0.01248	0.03618	0.01912	0.02003	0.5497505	0.000852246	9.73E-08	0.0050699	0.0103541	0.0090051	0.003121	0.00313772	0.575015
2685	490660.04	3859010.04	0.02928	0.01945	0.0403	0.05258	0.01245	0.03522	0.01858	0.01945	0.54052031	0.000827568	9.665E-08	0.0049002	0.0103292	0.0087661	0.003033	0.00304687	0.565329
2686	490710.04	3859010.04	0.02895	0.01857	0.03951	0.04988	0.01243	0.03374	0.01775	0.01857	0.53442838	0.000790125	9.476E-08	0.0046486	0.0103126	0.0083978	0.002897	0.00290901	0.558566
2687	490760.04	3859010.04	0.02862	0.01781	0.0387	0.0475	0.01237	0.03245	0.01703	0.01781	0.52833645	0.000757788	9.282E-08	0.0044268	0.0102628	0.0080767	0.00278	0.00278996	0.55185
2688	490810.04	3859010.04	0.02831	0.01708	0.03773	0.04527	0.01229	0.03123	0.01635	0.01708	0.52261373	0.000726728	9.049E-08	0.004219	0.0101965	0.007773	0.002669	0.0026756	0.545522
2689	490860.04	3859010.04	0.028	0.01645	0.03668	0.04331	0.0122	0.03016	0.01575	0.01645	0.51689101	0.000699922	8.797E-08	0.0040363	0.0101218	0.0075067	0.002571	0.00257691	0.53925
2690	490360.04	3859060.04	0.0327	0.02644	0.05395	0.07143	0.01164	0.0464	0.02531	0.02644	0.60365485	0.001124981	1.294E-07	0.006657	0.0096572	0.0115488	0.004131	0.00414186	0.632632
2691	490410.04	3859060.04	0.03218	0.02494	0.05293	0.06706	0.01176	0.04384	0.02387	0.02494	0.59405545	0.001061159	1.269E-07	0.0062497	0.0097567	0.0109116	0.003896	0.00390688	0.622024
2692	490460.04	3859060.04	0.03165	0.02371	0.05191	0.0635	0.01184	0.04178	0.0227	0.02371	0.58427144	0.001008824	1.245E-07	0.0059179	0.0098231	0.0103989	0.003705	0.0037142	0.611411
2693	490510.04	3859060.04	0.03113	0.02265	0.05097	0.06042	0.0119	0.04	0.02168	0.02265	0.57467204	0.000963723	1.222E-07	0.0056309	0.0098729	0.0099559	0.003539	0.00354815	0.601086
2694	490560.04	3859060.04	0.03068	0.02154	0.04986	0.0572	0.01194	0.03816	0.02063	0.02154	0.56636486	0.000916494	1.196E-07	0.0053308	0.0099061	0.0094979	0.003367	0.00337427	0.592009
2695	490610.04	3859060.04	0.03018	0.02073	0.04906	0.05476	0.01195	0.03682	0.01985	0.02073	0.55713466	0.00088203	1.177E-07	0.0051034	0.0099144	0.0091644	0.00324	0.00324738	0.582192
2696	490660.04	3859060.04	0.0297	0.01999	0.04815	0.05249	0.01195	0.0356	0.01915	0.01999	0.54827367	0.000850544	1.155E-07	0.0048919	0.0099144	0.0088607	0.003126	0.00313146	0.572786
2697	490710.04	3859060.04	0.02935	0.01905	0.04653	0.04968	0.01192	0.03404	0.01826	0.01905	0.54181254	0.000810548	1.116E-07	0.00463	0.0098895	0.0084724	0.002981	0.00298421	0.565611
2698	490760.04	3859060.04	0.02901	0.01823	0.04483	0.04723	0.01186	0.03269	0.01748	0.01823	0.535536	0.000775658	1.075E-07	0.0044016	0.0098397	0.0081364	0.002853	0.00285575	0.558687
2699	490810.04	3859060.04	0.02869	0.01746	0.04293	0.04493	0.01179	0.03141	0.01675	0.01746	0.52962868	0.000742896	1.03E-07	0.0041873	0.0097816	0.0078178	0.002734	0.00273513	0.552157
2700	490860.04	3859060.04	0.02836	0.01678	0.04108	0.04293	0.01164	0.03028	0.01611	0.01678	0.52353675	0.000713963	9.852E-08	0.0040009	0.0096572	0.0075366	0.00263	0.00262861	0.545446
2701	490360.04	3859110.04	0.03327	0.02816	0.06947	0.07482	0.01102	0.04853	0.02706	0.02816	0.61417728	0.001198165	1.666E-07	0.0069729	0.0091428	0.012079	0.004417	0.0044113	0.643576
2702	490410.04	3859110.04	0.03271	0.02645	0.06742	0.06984	0.01115	0.04566	0.02541	0.02645	0.60383946	0.001125407	1.617E-07	0.0065088	0.0092507	0.0113646	0.004148	0.00414342	0.632093
2703	490460.04	3859110.04	0.0321	0.02518	0.0659	0.06612	0.01124	0.04355	0.02418	0.02518	0.59257862	0.00107137	1.581E-07	0.0061621	0.0093253	0.0108394	0.003947	0.00394448	0.619979
2704	490510.04	3859110.04	0.03169	0.02353	0.06338	0.06145	0.01134	0.04086	0.0226	0.02353	0.58500986	0.001001165	1.52E-07	0.0057269	0.0094083	0.0101699	0.003689	0.003686	0.611319
2705	490560.04	3859110.04	0.03117	0.02242	0.06134	0.0582	0.0114	0.03903	0.02153	0.02242	0.57541045	0.000953936	1.471E-07	0.005424	0.0094581	0.0097144	0.003514	0.00351212	0.600963
2706	490610.04	3859110.04	0.03071	0.02132	0.05885	0.05498	0.01143	0.03725	0.02048	0.02132	0.56691867	0.000907133	1.411E-07	0.0051239	0.009483	0.0092714	0.003343	0.0033398	0.591707
2707	490660.04	3859110.04	0.03032	0.02024	0.05592	0.05181	0.01143	0.03548	0.01945	0.02024	0.55971912	0.000861181	1.341E-07	0.0048285	0.009483	0.0088309	0.003175	0.00317062	0.583727
2708	490710.04	3859110.04	0.02986	0.01949	0.05356	0.04955	0.01141	0.03426	0.01874	0.01949	0.55122734	0.000829269	1.285E-07	0.0046179	0.0094664	0.0085272	0.003059	0.00305313	0.574674
2709	490760.04	3859110.04	0.02947	0.01867	0.05083	0.04718	0.01137	0.03293	0.01796	0.01867	0.54402778	0.00079438	1.219E-07	0.004397	0.0094332	0.0081962	0.002932	0.00292468	0.566856
2710	490810.04	3859110.04	0.02914	0.01783	0.04785	0.04475	0.01133	0.03155	0.01716	0.01783	0.53793585	0.000758639	1.148E-07	0.0041705	0.0094	0.0078527	0.002801	0.00279309	0.560126
2711	490860.04	3859110.04	0.02883	0.01706	0.04504	0.04255	0.01123	0.03029	0.01644	0.01706	0.53221313	0.000725877	1.08E-07	0.0039655	0.009317	0.0075391	0.002683	0.00267247	0.553772
2712	490360.04	3859160.04	0.03391	0.03029	0.09191	0.07961	0.01041	0.05132	0.02923	0.03029	0.62599193	0.001288793	2.204E-07	0.0074193	0.0086367	0.0127734	0.004771	0.00474497	0.656137
2713	490410.04	3859160.04	0.03329	0.02838	0.08806	0.07395	0.01055	0.04814	0.02738	0.02838	0.61454648	0.001207525	2.112E-07	0.0068918	0.0087529	0.0119819	0.004469	0.00444576	0.643404
2714	490460.04	3859160.04	0.03267	0.02673	0.08418	0.06917	0.01066	0.04544	0.02578	0.02673	0.60310104	0.00113732	2.019E-07	0.0064464	0.0088441	0.0113099	0.004208	0.00418729	0.63086
2715	490510.04	3859160.04	0.03211	0.0252	0.07988	0.06475	0.01076	0.04296	0.02429	0.0252	0.59276322	0.001072221	1.916E-07	0.0060344	0.0089271	0.0106926	0.003965	0.00394761	0.619507
2716	490560.04	3859160.04	0.03166	0.02363	0.07483	0.06028	0.01084	0.04043	0.02278	0.02363	0.58445604	0.00100542	1.795E-07	0.0056178	0.0089935	0.0100629	0.003718	0.00370167	0.610153
2717	490610.04	3859160.04	0.03113	0.02251	0.07056	0.057	0.0109	0.03863	0.0217	0.02251	0.57467204	0.000957766	1.692E-07	0.0053122	0.0090432	0.0096149	0.003542	0.00352622	0.599616
2718	490660.04	3859160.04	0.03088	0.02091	0.06438	0.05249	0.0109	0.03605	0.02017	0.02091	0.57005694	0.000889688	1.544E-07	0.0048919	0.0090432	0.0089727	0.003292	0.00327558	0.593871
2719	490710.04	3859160.04	0.03039	0.02007	0.0606	0.05001	0.0109	0.03469	0.01936	0.02007	0.56101134	0.000853948	1.453E-07	0.0046607	0.0090432	0.0086342	0.00316	0.00314399	0.58422
2720	490760.04	3859160.04	0.03009	0.01898	0.05585	0.04694	0.01093	0.03293	0.01833	0.01898	0.55547323	0.00080757	1.339E-07	0.0043746	0.0090681	0.0081962	0.002992	0.00297324	0.577939
2721	490810.04	3859160.04	0.02965	0.01826	0.05252	0.04489	0.01089	0.03178	0.01764	0.01826	0.54735065	0.000776935	1.26E-07	0.0041836	0.0090349	0.0079099	0.002879	0.00286045	0.569275
2722	490860.04	3859160.04	0.02926	0.01755	0.04928	0.0429	0.01083	0.03064	0.01697	0.01755	0.5401511	0.000746725	1.182E-07	0.0039981	0.0089852	0.0076262	0.00277	0.00274923	0.561528
2723	490360.04	3859210.04	0.03469	0.03283	0.12137	0.0859	0.00984	0.05484	0.03184	0.03283	0.64039103	0.001396866	2.911E-07	0.0080055	0.0081638	0.0136495	0.005197	0.00514286	0.671661
2724	490410.04	3859210.04	0.03387	0.03109	0.11421	0.08047	0.00995	0.05191	0.03013	0.03109	0.62525351	0.001322832	2.739E-07	0.0074995	0.0082551	0.0129202	0.004918	0.00487029	0.655299
2725	490460.04	3859210.04	0.03332	0.02862	0.10532	0.07334	0.0101	0.04788	0.02771	0.02862	0.6151003	0.001217737	2.526E-07	0.006835	0.0083795	0.0119172	0.004523	0.00448336	0.64349
2726	490510.04	3859210.04	0.03274	0.02681	0.09732	0.0681	0.0102	0.04497	0.02594	0.02681	0.60439327	0.001140724	2.334E-07	0.0063466	0.0084625	0.0111929	0.004234	0.00419982	0.631571
2727	490560.04	3859210.04	0.0321	0.02544	0.09051	0.06414	0.01029	0.04279	0.02462	0.02544	0.59257862	0.001082433	2.171E-07	0.0059776	0.0085372	0.0106503	0.004019	0.00398521	0.61886
2728	490610.04	3859210.04	0.0316	0.02396	0.08325	0.05989	0.01036	0.04042	0.02318	0.02396	0.58334842	0.001019461	1.997E-07	0.0055815	0.0085952	0.0100604	0.003784	0.00375336	0.608635
2729	490660.04	3859210.04	0.03126	0.02226	0.0752	0.05515	0.0104	0.03771	0.02154	0.02226	0.57707189	0.000947129	1.804E-07	0.0051398	0.0086284	0.0093859	0.003516	0.00348706	0.601202
2730	490710.04	3859210.04	0.03076	0.02112	0.06951	0.05203	0.01042	0.03591	0.02044	0.02112	0.56784169	0.000898623	1.667E-07	0.004849	0.008645	0.0089379	0.003336	0.00330847	0.5912
2731	490760.04	3859210.04	0.03047	0.01998	0.06272	0.04874	0.01046	0.03407	0.01936	0.01998	0.56248818	0.000850118	1.504E-07	0.0045424	0.0086782	0.0084799	0.00316	0.00312989	0.585069
2732	490810.04	3859210.04	0.02989	0.01942	0.05934	0.04713	0.01047	0.03319	0.01882	0.01942	0.55178115	0.000826291	1.423E-07	0.0043923	0.0086865	0.0082609	0.003072	0.00304217	0.573977

2733	490860.04	3859210.04	0.02935	0.01887	0.0561	0.04558	0.01046	0.03232	0.01829	0.01887	0.54181254	0.000802889	1.345E-07	0.0042479	0.0086782	0.0080443	0.002985	0.00295601	0.563615
2734	490360.04	3859260.04	0.03572	0.03569	0.15381	0.09367	0.00933	0.05904	0.03477	0.03569	0.65940524	0.001518554	3.689E-07	0.0087297	0.0077407	0.0146949	0.005675	0.00559088	0.692174
2735	490410.04	3859260.04	0.03482	0.03345	0.14037	0.08658	0.00944	0.05524	0.03256	0.03345	0.64279089	0.001423246	3.367E-07	0.0080689	0.0078319	0.013749	0.005315	0.00523998	0.673939
2736	490460.04	3859260.04	0.03395	0.03161	0.12856	0.08089	0.00953	0.05218	0.03075	0.03161	0.62673034	0.001344957	3.083E-07	0.0075386	0.0079066	0.0129874	0.005019	0.00495174	0.656576
2737	490510.04	3859260.04	0.03315	0.02988	0.118	0.0757	0.00962	0.04936	0.02904	0.02988	0.61196203	0.001271348	2.83E-07	0.0070549	0.0079813	0.0122855	0.00474	0.00468074	0.640615
2738	490560.04	3859260.04	0.03255	0.02799	0.10722	0.07019	0.00973	0.04632	0.0272	0.02799	0.60088579	0.001190931	2.571E-07	0.0065414	0.0080725	0.0115289	0.00444	0.00438467	0.628275
2739	490610.04	3859260.04	0.03209	0.0259	0.0962	0.06429	0.00983	0.043	0.02516	0.0259	0.59239401	0.001102005	2.307E-07	0.0059916	0.0081555	0.0107026	0.004107	0.00405727	0.618395
2740	490660.04	3859260.04	0.03137	0.02494	0.08919	0.06143	0.00989	0.04147	0.02422	0.02494	0.57910253	0.001061159	2.139E-07	0.005725	0.0082053	0.0103217	0.003953	0.00390688	0.604462
2741	490710.04	3859260.04	0.0308	0.02362	0.08206	0.05782	0.00995	0.0394	0.02293	0.02362	0.56858011	0.001004995	1.968E-07	0.0053886	0.0082551	0.0098065	0.003743	0.0037001	0.593078
2742	490760.04	3859260.04	0.03049	0.02214	0.07309	0.05364	0.00997	0.03703	0.0215	0.02214	0.56285738	0.000942023	1.753E-07	0.004999	0.0082717	0.0092166	0.003509	0.00346826	0.586328
2743	490810.04	3859260.04	0.02992	0.02135	0.06797	0.05143	0.00999	0.03579	0.02074	0.02135	0.55233496	0.00090841	1.63E-07	0.0047931	0.0082883	0.008908	0.003385	0.0033445	0.575274
2744	490860.04	3859260.04	0.02938	0.02062	0.06331	0.04938	0.01	0.03464	0.02003	0.02062	0.54236635	0.000877349	1.518E-07	0.004602	0.0082966	0.0086218	0.003269	0.00323015	0.564804
2745	490360.04	3859310.04	0.03689	0.03995	0.18606	0.10673	0.00882	0.06609	0.03913	0.03995	0.6810039	0.001699811	4.462E-07	0.0099468	0.0073176	0.0164496	0.006387	0.00625822	0.716547
2746	490410.04	3859310.04	0.03582	0.03721	0.16562	0.09754	0.00892	0.06122	0.03641	0.03721	0.66125128	0.001583228	3.972E-07	0.0090903	0.0074005	0.0152375	0.005943	0.00582899	0.694677
2747	490460.04	3859310.04	0.03484	0.03489	0.14832	0.09	0.00901	0.05719	0.0341	0.03489	0.64316009	0.001484516	3.557E-07	0.0083876	0.0074752	0.0142344	0.005566	0.00546556	0.674843
2748	490510.04	3859310.04	0.03391	0.03303	0.13381	0.08403	0.0091	0.054	0.03224	0.03303	0.62599193	0.001405376	3.209E-07	0.0078312	0.0075499	0.0134404	0.005262	0.00517419	0.656307
2749	490560.04	3859310.04	0.03307	0.03123	0.121	0.0785	0.00918	0.05101	0.03047	0.03123	0.6104852	0.001328788	2.902E-07	0.0073159	0.0076162	0.0126962	0.004974	0.00489222	0.639524
2750	490610.04	3859310.04	0.03228	0.0297	0.11004	0.07385	0.00926	0.0485	0.02896	0.0297	0.59590149	0.001263689	2.639E-07	0.0068825	0.0076826	0.0120715	0.004727	0.00465254	0.623877
2751	490660.04	3859310.04	0.03161	0.02808	0.09987	0.0691	0.00935	0.04588	0.02737	0.02808	0.58353302	0.001194761	2.395E-07	0.0064398	0.0077573	0.0114194	0.004468	0.00439877	0.610413
2752	490710.04	3859310.04	0.03118	0.02598	0.08907	0.06328	0.00945	0.04256	0.02532	0.02598	0.57559506	0.001105409	2.136E-07	0.0058974	0.0078402	0.010593	0.004133	0.0040698	0.601095
2753	490760.04	3859310.04	0.03064	0.02461	0.08084	0.05944	0.00952	0.04039	0.02398	0.02461	0.56562644	0.001047118	1.939E-07	0.0055396	0.0078983	0.0100529	0.003914	0.00385519	0.590224
2754	490810.04	3859310.04	0.03004	0.02362	0.07441	0.05665	0.00956	0.03884	0.02302	0.02362	0.55455021	0.001004995	1.785E-07	0.0052795	0.0079315	0.0096671	0.003758	0.0037001	0.578491
2755	490860.04	3859310.04	0.02955	0.0225	0.06802	0.0536	0.00959	0.03709	0.02193	0.0225	0.54550461	0.00095734	1.631E-07	0.0049953	0.0079564	0.0092316	0.00358	0.00352465	0.5687
2756	490360.04	3859360.04	0.03842	0.04548	0.20777	0.1263	0.00835	0.07641	0.04479	0.04548	0.7092483	0.001935104	4.983E-07	0.0117706	0.0069276	0.0190182	0.007311	0.0071245	0.749087
2757	490410.04	3859360.04	0.03702	0.04247	0.18188	0.1148	0.00842	0.07039	0.04176	0.04247	0.68340375	0.001807033	4.362E-07	0.0106989	0.0069857	0.0175198	0.006816	0.00665298	0.720579
2758	490460.04	3859360.04	0.03578	0.03987	0.1607	0.10536	0.0085	0.06542	0.03916	0.03987	0.66051286	0.001696407	3.854E-07	0.0098191	0.0070521	0.0162828	0.006392	0.00624568	0.69551
2759	490510.04	3859360.04	0.03469	0.03751	0.14297	0.09719	0.00858	0.06107	0.0368	0.03751	0.64039103	0.001595993	3.429E-07	0.0090577	0.0071184	0.0152001	0.006007	0.00587599	0.673494
2760	490560.04	3859360.04	0.03378	0.03507	0.12742	0.08917	0.00868	0.05675	0.03437	0.03507	0.62359208	0.001492174	3.056E-07	0.0083103	0.0072014	0.0141249	0.00561	0.00549376	0.654838
2761	490610.04	3859360.04	0.03296	0.0329	0.1142	0.08237	0.00877	0.05306	0.03222	0.0329	0.60845455	0.001399844	2.739E-07	0.0076765	0.0072761	0.0132065	0.005259	0.00515383	0.638119
2762	490660.04	3859360.04	0.03217	0.0311	0.10311	0.07684	0.00886	0.05005	0.03043	0.0311	0.59387084	0.001323257	2.473E-07	0.0071612	0.0073507	0.0124573	0.004967	0.00487185	0.622259
2763	490710.04	3859360.04	0.03154	0.02912	0.09274	0.07109	0.00895	0.04686	0.02848	0.02912	0.5822408	0.001239011	2.224E-07	0.0066253	0.0074254	0.0116633	0.004649	0.00456168	0.609281
2764	490760.04	3859360.04	0.03099	0.02727	0.0834	0.06586	0.00904	0.04393	0.02667	0.02727	0.57208758	0.001160296	2E-07	0.0061379	0.0075001	0.010934	0.004353	0.00427188	0.597901
2765	490810.04	3859360.04	0.03027	0.02628	0.07694	0.06298	0.0091	0.04237	0.0257	0.02628	0.5587961	0.001118173	1.845E-07	0.0058695	0.0075499	0.0105457	0.004195	0.00411679	0.583958
2766	490860.04	3859360.04	0.02971	0.02504	0.07041	0.05951	0.00916	0.04044	0.02447	0.02504	0.54845828	0.001065413	1.689E-07	0.0055461	0.0075996	0.0100654	0.003994	0.00392255	0.572807
2767	490360.04	3859410.04	0.04046	0.05282	0.20623	0.15742	0.00792	0.09211	0.05227	0.05282	0.7469075	0.00224741	4.946E-07	0.0146709	0.0065709	0.0229259	0.008532	0.00827432	0.793581
2768	490410.04	3859410.04	0.03863	0.04913	0.17919	0.14022	0.00798	0.0832	0.04854	0.04913	0.71312498	0.002090406	4.298E-07	0.0130679	0.0066206	0.0207082	0.007923	0.00769627	0.755839
2769	490460.04	3859410.04	0.0371	0.04583	0.15732	0.12622	0.00804	0.07592	0.04523	0.04583	0.68488058	0.001949996	3.773E-07	0.0117632	0.0066704	0.0188962	0.007383	0.00717933	0.724364
2770	490510.04	3859410.04	0.0358	0.04285	0.13931	0.11453	0.00812	0.06981	0.04224	0.04285	0.66088207	0.001823201	3.341E-07	0.0106737	0.0067368	0.0173755	0.006895	0.0067125	0.697674
2771	490560.04	3859410.04	0.03466	0.04018	0.12432	0.10474	0.00819	0.06469	0.03957	0.04018	0.63983722	0.001709597	2.982E-07	0.0097613	0.0067949	0.0161011	0.006459	0.00629425	0.674369
2772	490610.04	3859410.04	0.03366	0.03776	0.11162	0.09631	0.00827	0.06025	0.03715	0.03776	0.62137683	0.00160663	2.677E-07	0.0089757	0.0068612	0.014996	0.006064	0.00591515	0.653965
2773	490660.04	3859410.04	0.03284	0.03507	0.10021	0.08767	0.00837	0.05564	0.03447	0.03507	0.60623931	0.001492174	2.403E-07	0.0081705	0.0069442	0.0138486	0.005626	0.00549376	0.636828
2774	490710.04	3859410.04	0.03208	0.03282	0.09059	0.08085	0.00846	0.05194	0.03223	0.03282	0.59220941	0.00139644	2.173E-07	0.0075349	0.0070189	0.0129277	0.005261	0.00514129	0.621207
2775	490760.04	3859410.04	0.03145	0.03053	0.08163	0.07411	0.00856	0.04828	0.02998	0.03053	0.58057936	0.001299004	1.958E-07	0.0069067	0.0071018	0.0120167	0.004894	0.00478256	0.608015
2776	490810.04	3859410.04	0.03071	0.02928	0.07496	0.07032	0.00863	0.04628	0.02874	0.02928	0.56691867	0.001245819	1.798E-07	0.0065535	0.0071599	0.0115189	0.004691	0.00458675	0.593502
2777	490860.04	3859410.04	0.02994	0.02827	0.06958	0.0673	0.00869	0.04469	0.02774	0.02827	0.55270417	0.001202845	1.669E-07	0.0062721	0.0072097	0.0111232	0.004528	0.00442853	0.578612
2778	490360.04	3859460.04	0.04332	0.0631	0.18188	0.21111	0.00753	0.11697	0.06275	0.0631	0.79970423	0.002684808	4.362E-07	0.0196746	0.0062473	0.0291134	0.010243	0.00988469	0.857783
2779	490410.04	3859460.04	0.041	0.05777	0.15893	0.17928	0.00759	0.10128	0.05735	0.05777	0.75687611	0.002458024	3.812E-07	0.0167082	0.0062971	0.0252082	0.009361	0.00904974	0.807859
2780	490460.04	3859460.04	0.03908	0.05354	0.14052	0.15715	0.00764	0.09028	0.05308	0.05354	0.72143216	0.002278044	3.37E-07	0.0146457	0.0063386	0.0224704	0.008664	0.00838711	0.767442
2781	490510.04	3859460.04	0.03746	0.04974	0.12521	0.13948	0.0077	0.08146	0.04927	0.04974	0.69152632	0.00211636	3.003E-07	0.012999	0.0063883	0.0202751	0.008042	0.00779183	0.733556
2782	490560.04	3859460.04	0.03606	0.04642	0.11247	0.12554	0.00777	0.07452	0.04594	0.04642	0.66568177	0.001975099	2.697E-07	0.0116998	0.0064464	0.0185478	0.007499	0.00727175	0.704578
2783	490610.04	3859460.04	0.03487	0.04325	0.10143	0.11336	0.00784	0.0684	0.04276	0.04325	0.64371391	0.001840221	2.433E-07	0.0105647	0.0065045	0.0170245	0.00698	0.00677517	0.679853
2784	490660.04	3859460.04	0.03383	0.04029	0.09186	0.10289	0.00793	0.06308	0.0398	0.04029	0.6245151	0.001714277	2.203E-07	0.0095889	0.0065792	0.0157004	0.006497	0.00631148	0.658283
2785	490710.04	3859460.04	0.03284	0.03785	0.08396	0.09477	0.008	0.05891	0.03736	0.03785	0.60623931	0.001610459	2.014E-07	0.0088322	0.0066372	0.0146625	0.006098	0.00592925	0.638151
2786	490760.04	3859460.04	0.03202	0.03549	0.07661	0.08719	0.00809	0.05502	0.03501	0.03549	0.59110179	0.001510045	1.837E-07	0.0081257	0.0067119	0.0136943	0.005715	0.00555955	0.621299
2787	490810.04	3859460.04	0.03125	0.03336	0.0703	0.08077	0.00817	0.05167	0.0329	0.03336	0.57688728	0.001419417	1.686E-07	0.0075274	0.0067783	0.0128605	0.00537	0.00522588	0.605617
2788	490860.04	3859460.04	0.03043	0.03192	0.06528	0.0764	0.00823	0.04942	0.03146	0.03192	0.56174976	0.001358147	1.566E-07	0.0071202	0.0068281	0.0123005	0.005135	0.00500031	0.589492
2789	490360.04	3859510.04	0.04893	0.07878	0.1491	0.31583	0.00718	0.15797	0.07863	0.07878	0.90326703	0.003351967	3.576E-07	0.029434	0.0059569	0.0393182	0.012835	0.01234098	0.981822

2790	490410.04	3859510.04	0.04543	0.0713	0.13302	0.25434	0.00722	0.132	0.07118	0.0713	0.83865566	0.003033705	3.19E-07	0.0237034	0.0059901	0.0328544	0.011619	0.01116923	0.904687
2791	490460.04	3859510.04	0.04264	0.06478	0.1192	0.21084	0.00728	0.11259	0.06456	0.06478	0.78715116	0.002756289	2.859E-07	0.0196494	0.0060399	0.0280233	0.010538	0.01014787	0.84401
2792	490510.04	3859510.04	0.04032	0.05951	0.10761	0.18025	0.00733	0.09907	0.05926	0.05951	0.74432305	0.002532059	2.581E-07	0.0167986	0.0060814	0.0246582	0.009673	0.00932231	0.794744
2793	490560.04	3859510.04	0.03838	0.05495	0.09764	0.15749	0.00738	0.08869	0.05468	0.05495	0.70850989	0.002338038	2.342E-07	0.0146774	0.0061229	0.0220746	0.008925	0.00860798	0.75404
2794	490610.04	3859510.04	0.03675	0.05078	0.08891	0.13905	0.00745	0.08007	0.0505	0.05078	0.67841944	0.002160611	2.132E-07	0.0129589	0.0061809	0.0199292	0.008243	0.00795475	0.719938
2795	490660.04	3859510.04	0.03536	0.04711	0.08136	0.12443	0.00752	0.07312	0.0468	0.04711	0.6527595	0.002004458	1.951E-07	0.0115964	0.006239	0.0181993	0.007639	0.00737984	0.691058
2796	490710.04	3859510.04	0.03415	0.04378	0.07471	0.11231	0.00759	0.06725	0.04346	0.04378	0.63042242	0.001862771	1.792E-07	0.0104668	0.0062971	0.0167383	0.007094	0.00685819	0.666023
2797	490760.04	3859510.04	0.03308	0.04089	0.06889	0.10247	0.00767	0.0624	0.04055	0.04089	0.6106698	0.001739806	1.652E-07	0.0095498	0.0063635	0.0155311	0.006619	0.00640547	0.644068
2798	490810.04	3859510.04	0.03208	0.03851	0.06391	0.09475	0.00773	0.05859	0.03817	0.03851	0.59220941	0.001638541	1.533E-07	0.0088303	0.0064132	0.0145829	0.00623	0.00603264	0.623872
2799	490860.04	3859510.04	0.0312	0.03623	0.05934	0.08772	0.00781	0.05505	0.03589	0.03623	0.57596426	0.001541531	1.423E-07	0.0081751	0.0064796	0.0137018	0.005858	0.00567547	0.606045
2800	490360.04	3859560.04	0.06424	0.10462	0.11661	0.61117	0.00687	0.24825	0.10494	0.10462	1.18589565	0.00445142	2.797E-07	0.0569585	0.0056997	0.0617886	0.017129	0.01638885	1.315535
2801	490410.04	3859560.04	0.05593	0.09272	0.10708	0.42491	0.0069	0.19098	0.093	0.09272	1.03248978	0.003945093	2.568E-07	0.0395999	0.0057246	0.0475343	0.01518	0.0145247	1.129949
2802	490460.04	3859560.04	0.04992	0.08277	0.09807	0.32133	0.00694	0.15485	0.08305	0.08277	0.92154282	0.003521736	2.352E-07	0.0299466	0.0057578	0.0385416	0.013556	0.01296602	0.999901
2803	490510.04	3859560.04	0.04562	0.07393	0.08983	0.25583	0.00699	0.12925	0.07408	0.07393	0.84216313	0.003145607	2.154E-07	0.0238423	0.0057993	0.0321699	0.012092	0.01158122	0.907631
2804	490560.04	3859560.04	0.04235	0.06735	0.08294	0.21285	0.00703	0.1118	0.06743	0.06735	0.78179765	0.002865639	1.989E-07	0.0198367	0.0058325	0.0278266	0.011007	0.01055046	0.838615
2805	490610.04	3859560.04	0.03981	0.06146	0.07653	0.18119	0.00709	0.09829	0.0615	0.06146	0.73490825	0.002615028	1.835E-07	0.0168862	0.0058823	0.024464	0.010039	0.00962778	0.785167
2806	490660.04	3859560.04	0.03775	0.05642	0.07085	0.15769	0.00715	0.08785	0.05641	0.05642	0.69687984	0.002400584	1.699E-07	0.0146961	0.005932	0.0218656	0.009208	0.00883826	0.742144
2807	490710.04	3859560.04	0.03606	0.05192	0.0657	0.13902	0.00721	0.0794	0.05186	0.05192	0.66568177	0.002209116	1.576E-07	0.0129561	0.0059818	0.0197624	0.008465	0.00813333	0.706923
2808	490760.04	3859560.04	0.03466	0.04771	0.06096	0.12345	0.00729	0.07212	0.0476	0.04771	0.63983722	0.002029987	1.462E-07	0.011505	0.0060482	0.0179504	0.00777	0.00747383	0.677667
2809	490810.04	3859560.04	0.03342	0.04433	0.05685	0.1118	0.00735	0.06658	0.04419	0.04433	0.61694634	0.001886173	1.363E-07	0.0104193	0.006098	0.0165715	0.007213	0.00694435	0.65219
2810	490860.04	3859560.04	0.03235	0.04129	0.0531	0.10195	0.00743	0.06181	0.04112	0.04129	0.59719371	0.001756826	1.274E-07	0.0095013	0.0061643	0.0153843	0.006712	0.00646813	0.630244
2811	490187.25	3859422.08	0.05288	0.07532	0.36621	0.30323	0.00766	0.16332	0.07518	0.07532	0.97618558	0.00320475	8.783E-07	0.0282598	0.0063552	0.0406498	0.012272	0.01179897	1.055129
2812	490237.25	3859422.08	0.0484	0.06818	0.30172	0.24663	0.00769	0.1364	0.06788	0.06818	0.89348302	0.002900954	7.236E-07	0.0229849	0.00638	0.0339495	0.01108	0.01068048	0.960099
2813	490287.25	3859422.08	0.04484	0.0622	0.25344	0.20782	0.00774	0.11741	0.0618	0.0622	0.82776402	0.002646514	6.078E-07	0.019368	0.0064215	0.029223	0.010088	0.00974371	0.885767
2814	490337.25	3859422.08	0.04211	0.05693	0.21595	0.17759	0.0078	0.10212	0.05644	0.05693	0.77736715	0.002422284	5.179E-07	0.0165507	0.0064713	0.0254173	0.009213	0.00891815	0.828524
2815	490187.25	3859472.08	0.06484	0.09474	0.29604	0.56728	0.00732	0.27416	0.09485	0.09474	1.19697188	0.004031041	7.1E-07	0.0528681	0.0060731	0.0682375	0.015482	0.01484114	1.328823
2816	490237.25	3859472.08	0.05535	0.08452	0.25066	0.40218	0.00735	0.20501	0.08442	0.08452	1.02178275	0.003596196	6.012E-07	0.0374815	0.006098	0.0510263	0.01378	0.01324016	1.120525
2817	490287.25	3859472.08	0.04944	0.0759	0.21363	0.30673	0.00739	0.16215	0.07572	0.0759	0.91268183	0.003229428	5.124E-07	0.028586	0.0061312	0.0403586	0.01236	0.01188983	0.991457
2818	490337.25	3859472.08	0.04562	0.06904	0.18527	0.2491	0.00743	0.13472	0.06878	0.06904	0.84216313	0.002937546	4.443E-07	0.0232151	0.0061643	0.0335314	0.011227	0.0108152	0.908424
2819	490297.07	3859500.42	0.05242	0.08542	0.18224	0.39673	0.00721	0.19598	0.08528	0.08542	0.9676938	0.003634489	4.371E-07	0.0369736	0.0059818	0.0487788	0.01392	0.01338115	1.063602
2820	490327.07	3859500.42	0.04982	0.08049	0.16915	0.33833	0.00722	0.17017	0.08032	0.08049	0.91969678	0.003424725	4.057E-07	0.031531	0.0059901	0.0423547	0.013111	0.01260886	1.003499
2821	490297.07	3859530.42	0.06117	0.10157	0.15509	0.62169	0.00701	0.26114	0.10157	0.10157	1.12922224	0.004321647	3.72E-07	0.0579389	0.0058159	0.0649969	0.016579	0.01591106	1.262964
2822	490327.07	3859530.42	0.05741	0.0945	0.146	0.49136	0.00703	0.21788	0.0945	0.0945	1.05981116	0.004020829	3.502E-07	0.0457927	0.0058325	0.0542296	0.015425	0.01480354	1.170309
2823	490319.73	3859055.34	0.03309	0.02756	0.05315	0.07495	0.01158	0.04842	0.02638	0.02756	0.61085441	0.001172635	1.275E-07	0.006985	0.0096074	0.0120516	0.004306	0.00431731	0.64066
2824	490319.73	3859105.34	0.03372	0.02934	0.06908	0.07857	0.01096	0.05064	0.0282	0.02934	0.62248445	0.001248372	1.657E-07	0.0073224	0.009093	0.0126041	0.004603	0.00459615	0.652759
2825	490069.73	3859155.34	0.03976	0.04161	0.0935	0.12089	0.00988	0.07294	0.04033	0.04161	0.73398523	0.001770441	2.242E-07	0.0112664	0.008197	0.0181545	0.006583	0.00651826	0.773439
2826	490119.73	3859155.34	0.03842	0.03928	0.09612	0.11134	0.00995	0.06814	0.03804	0.03928	0.7092483	0.001671303	2.305E-07	0.0103764	0.0082551	0.0169598	0.006209	0.00615326	0.746567
2827	490269.73	3859155.34	0.03519	0.03361	0.09522	0.09017	0.01022	0.05714	0.03246	0.03361	0.64962123	0.001430054	2.284E-07	0.0084035	0.0084791	0.014222	0.005298	0.00526505	0.682189
2828	490319.73	3859155.34	0.0344	0.03165	0.0922	0.08394	0.01035	0.05373	0.03055	0.03165	0.63503752	0.001346659	2.211E-07	0.0078229	0.0085869	0.0133732	0.004987	0.00495801	0.666196
2829	490069.73	3859205.34	0.04131	0.04678	0.14624	0.13884	0.00934	0.08211	0.04564	0.04678	0.76259884	0.001990417	3.507E-07	0.0129393	0.007749	0.0204369	0.00745	0.00732814	0.805836
2830	490119.73	3859205.34	0.03967	0.04414	0.14703	0.12666	0.00937	0.0762	0.043	0.04414	0.73232379	0.001878089	3.526E-07	0.0118042	0.0077739	0.0189659	0.007019	0.00691458	0.77285
2831	490169.73	3859205.34	0.03832	0.04155	0.14364	0.11596	0.00945	0.07084	0.04043	0.04155	0.70740226	0.001767888	3.445E-07	0.010807	0.0078402	0.0176318	0.006599	0.00650886	0.74554
2832	490219.73	3859205.34	0.03719	0.03888	0.13755	0.10626	0.00956	0.06575	0.03778	0.03888	0.68654202	0.001654284	3.299E-07	0.009903	0.0079315	0.016365	0.006167	0.0060906	0.722472
2833	490269.73	3859205.34	0.03623	0.03629	0.13034	0.09731	0.00969	0.06092	0.03523	0.03629	0.66882004	0.001544084	3.126E-07	0.0090689	0.0080394	0.0151628	0.005751	0.00568487	0.702701
2834	490319.73	3859205.34	0.03527	0.03427	0.12406	0.09057	0.0098	0.05736	0.03324	0.03427	0.65109806	0.001458136	2.975E-07	0.0084407	0.0081306	0.0142767	0.005426	0.00536844	0.683462
2835	490069.73	3859255.34	0.04339	0.05304	0.23651	0.16391	0.00889	0.09439	0.0521	0.05304	0.80099645	0.00225677	5.672E-07	0.0152757	0.0073756	0.0234934	0.008504	0.00830878	0.849594
2836	490119.73	3859255.34	0.04147	0.04957	0.2255	0.14658	0.00891	0.08616	0.04861	0.04957	0.7655525	0.002109127	5.408E-07	0.0136606	0.0073922	0.0214449	0.007935	0.0077652	0.810329
2837	490169.73	3859255.34	0.03987	0.04637	0.21072	0.13235	0.00897	0.07924	0.0454	0.04637	0.73601587	0.001972972	5.054E-07	0.0123345	0.007442	0.0197226	0.007411	0.00726392	0.777635
2838	490219.73	3859255.34	0.03855	0.04316	0.1939	0.11977	0.00906	0.0728	0.04218	0.04316	0.71164815	0.001836391	4.65E-07	0.0111621	0.0075167	0.0181197	0.006885	0.00676107	0.750407
2839	490269.73	3859255.34	0.03738	0.04021	0.17747	0.10895	0.00917	0.06711	0.03925	0.04021	0.69004949	0.001710873	4.256E-07	0.0101537	0.0076079	0.0167035	0.006407	0.00629895	0.726334
2840	490319.73	3859255.34	0.03629	0.03774	0.16282	0.10039	0.00926	0.06266	0.0368	0.03774	0.66992766	0.001605779	3.905E-07	0.0093559	0.0076826	0.0155959	0.006007	0.00591202	0.704263
2841	490069.73	3859305.34	0.04662	0.06139	0.37946	0.20402	0.00848	0.11356	0.06076	0.06139	0.86062352	0.00261205	9.101E-07	0.0190138	0.0070355	0.0282647	0.009918	0.00961682	0.917851
2842	490119.73	3859305.34	0.04415	0.0568	0.33716	0.17755	0.00849	0.10154	0.05609	0.0568	0.81502635	0.002416752	8.086E-07	0.0165469	0.0070438	0.025273	0.009155	0.00889779	0.866565
2843	490169.73	3859305.34	0.04213	0.05263	0.29664	0.15708	0.00853	0.09179	0.05186	0.05263	0.77773636	0.002239325	7.114E-07	0.0146392	0.007077	0.0228462	0.008465	0.00824455	0.824759
2844	490219.73	3859305.34	0.04044	0.04877	0.26	0.14001	0.0086	0.08334	0.04796	0.04877	0.74653829	0.002075088	6.236E-07	0.0130484	0.007135	0.020743	0.007828	0.00763988	0.789729
2845	490269.73	3859305.34	0.03895	0.04526	0.22882	0.12602	0.00868	0.07618	0.04442	0.04526	0.71903231	0.001925743	5.488E-07	0.0117445	0.0072014	0.0189609	0.007251	0.00709003	0.759026
2846	490319.73	3859305.34	0.03767	0.04199	0.20191	0.11395	0.00878	0.06988	0.04116	0.04199	0.69540301	0.00178661	4.842E-07	0.0106197	0.0072844	0.0173929	0.006718	0.00657778	0.732628

2847	490069.73	3859355.34	0.05261	0.07341	0.55703	0.28149	0.00809	0.14998	0.07316	0.07341	0.97120128	0.003123482	1.336E-06	0.0262337	0.0067119	0.0373295	0.011942	0.01149977	1.045043
2848	490119.73	3859355.34	0.04868	0.06689	0.45798	0.23317	0.00809	0.129	0.0665	0.06689	0.89865193	0.002846066	1.098E-06	0.0217305	0.0067119	0.0321077	0.010855	0.0104784	0.962425
2849	490169.73	3859355.34	0.04568	0.06121	0.37961	0.19891	0.00812	0.1131	0.0607	0.06121	0.84327075	0.002604391	9.104E-07	0.0185376	0.0067368	0.0281502	0.009908	0.00958862	0.89962
2850	490219.73	3859355.34	0.04329	0.05609	0.31778	0.17289	0.00818	0.10026	0.05549	0.05609	0.79915041	0.002386543	7.621E-07	0.0161126	0.0067866	0.0249544	0.009058	0.00878657	0.849662
2851	490269.73	3859355.34	0.04122	0.0518	0.27025	0.15244	0.00824	0.08999	0.05114	0.0518	0.7609374	0.00220401	6.482E-07	0.0142068	0.0068364	0.0223982	0.008348	0.00811453	0.806816
2852	490319.73	3859355.34	0.03947	0.04781	0.23197	0.13567	0.00832	0.0813	0.04711	0.04781	0.72863171	0.002034242	5.563E-07	0.0126439	0.0069027	0.0202353	0.00769	0.00748949	0.770649
2853	490069.73	3859405.34	0.06477	0.09105	0.65196	0.47605	0.00774	0.23758	0.09129	0.09105	1.19567966	0.003874037	1.564E-06	0.0443659	0.0064215	0.0591329	0.014901	0.01426309	1.310114
2854	490119.73	3859405.34	0.0571	0.08113	0.50763	0.35502	0.00774	0.1867	0.08112	0.08113	1.05408844	0.003451956	1.217E-06	0.0330864	0.0064215	0.046469	0.013241	0.01270911	1.144051
2855	490169.73	3859405.34	0.05173	0.07302	0.40552	0.28125	0.00776	0.15321	0.07283	0.07302	0.95495613	0.003106888	9.726E-07	0.0262113	0.0064381	0.0381334	0.011888	0.01143867	1.029296
2856	490219.73	3859405.34	0.04777	0.06629	0.33191	0.23244	0.0078	0.12983	0.06596	0.06629	0.88185298	0.002820537	7.96E-07	0.0216624	0.0064713	0.0323142	0.010767	0.01038441	0.945504
2857	490269.73	3859405.34	0.04457	0.06037	0.27652	0.19725	0.00785	0.11232	0.05992	0.06037	0.82277972	0.00256865	6.632E-07	0.0183829	0.0065128	0.0279561	0.009781	0.00945703	0.878524
2858	490319.73	3859405.34	0.04198	0.05532	0.23429	0.16976	0.00791	0.09848	0.05481	0.05532	0.7749673	0.002353781	5.619E-07	0.0158209	0.0065626	0.0245113	0.008947	0.00866595	0.824497
2859	490161.89	3859541.83	0.07399	0.16559	0.18357	0.35639	0.0069	0.22877	0.16566	0.16559	1.36588448	0.007045599	4.403E-07	0.0332141	0.0057246	0.0569401	0.02704	0.02593988	1.46991
2860	490171.89	3859541.83	0.07301	0.15976	0.18048	0.40205	0.0069	0.25806	0.15982	0.15976	1.3477933	0.006797542	4.329E-07	0.0374694	0.0057246	0.0642303	0.026087	0.0250266	1.463076
2861	490161.89	3859551.83	0.0737	0.18291	0.16743	0.28781	0.00685	0.18871	0.18288	0.18291	1.36053097	0.007782538	4.016E-07	0.0268227	0.0056831	0.0469693	0.029851	0.02865307	1.448987
2862	490171.89	3859551.83	0.07297	0.17593	0.16496	0.31802	0.00685	0.20966	0.17594	0.17593	1.34705488	0.00748555	3.956E-07	0.0296381	0.0056831	0.0521837	0.028718	0.02755965	1.443205
2863	489799.72	3859348.21	0.08194	0.15537	0.73948	0.34401	0.00835	0.24811	0.15819	0.15537	1.51264461	0.006610754	1.774E-06	0.0320603	0.0069276	0.0617537	0.025821	0.0243389	1.621481
2864	489819.72	3859348.21	0.07974	0.14292	0.85671	0.45503	0.00831	0.34774	0.14513	0.14292	1.47203174	0.006081026	2.055E-06	0.0424069	0.0068944	0.0865513	0.023689	0.02238859	1.615268
2865	489799.72	3859368.21	0.08664	0.18468	1.20521	0.246	0.00824	0.17222	0.189	0.18468	1.59940845	0.007857849	2.891E-06	0.0229262	0.0068364	0.042865	0.03085	0.02893035	1.681817
2866	489819.72	3859368.21	0.08557	0.16742	1.46325	0.30197	0.0082	0.21713	0.17085	0.16742	1.57965583	0.007123463	3.509E-06	0.0281424	0.0068032	0.0540429	0.027888	0.02622655	1.677432
2867	489775.41	3859329.72	0.08262	0.14938	0.50154	0.36176	0.0085	0.25921	0.15185	0.14938	1.52519767	0.006355889	1.203E-06	0.0337145	0.0070521	0.0645165	0.024786	0.02340056	1.638224
2868	489795.41	3859329.72	0.0796	0.13776	0.5073	0.48422	0.00846	0.32833	0.13969	0.13776	1.46944729	0.005861476	1.217E-06	0.0451273	0.0070189	0.0817202	0.022801	0.02158027	1.610398
2869	489775.41	3859349.72	0.08456	0.1762	0.69697	0.2568	0.00839	0.17895	0.1801	0.1762	1.56101084	0.007497038	1.672E-06	0.0239327	0.0069608	0.04454	0.029397	0.02760194	1.645739
2870	489795.41	3859349.72	0.08276	0.16031	0.743	0.31746	0.00835	0.22706	0.16338	0.16031	1.52778213	0.006820943	1.782E-06	0.029586	0.0069276	0.0565145	0.026668	0.02511276	1.629188
2871	489595.05	3859219.43	0.08531	0.13746	0.11109	0.32276	0.00961	0.21064	0.13934	0.13746	1.57485613	0.005848711	2.664E-07	0.0300799	0.007973	0.0524276	0.022744	0.02153328	1.672397
2872	489615.05	3859219.43	0.08263	0.12728	0.11636	0.41224	0.00955	0.27692	0.12857	0.12728	1.52538228	0.005415568	2.791E-07	0.0384191	0.0079232	0.0689244	0.020986	0.01993857	1.647113
2873	489595.05	3859239.43	0.08862	0.1602	0.13065	0.24218	0.00949	0.15449	0.163	0.1602	1.63596003	0.006816263	3.133E-07	0.0225702	0.0078734	0.038452	0.026606	0.02509553	1.713183
2874	489615.05	3859239.43	0.08712	0.14671	0.13764	0.28825	0.00943	0.18882	0.14877	0.14671	1.60826944	0.006242284	3.301E-07	0.0268637	0.0078236	0.0469967	0.024284	0.0229823	1.697497
2875	489372.4	3859092.58	0.08011	0.13344	0.03782	0.30102	0.01133	0.15324	0.1395	0.13344	1.47886209	0.005677666	9.071E-08	0.0280538	0.0094	0.0381409	0.02277	0.02090354	1.562001
2876	489422.4	3859092.58	0.07776	0.11205	0.04007	0.44829	0.01108	0.26377	0.11504	0.11205	1.43548016	0.004767555	9.61E-08	0.0417788	0.0091926	0.0656515	0.018778	0.01755277	1.558096
2877	489372.4	3859142.58	0.08861	0.20184	0.04537	0.21227	0.01105	0.09711	0.21796	0.20184	1.63577543	0.008587981	1.088E-07	0.0197827	0.0091677	0.0241703	0.035577	0.03161848	1.701443
2878	489422.4	3859142.58	0.08753	0.15784	0.04968	0.23594	0.01077	0.12637	0.1657	0.15784	1.6158382	0.006715849	1.191E-07	0.0219886	0.0089354	0.0314531	0.027047	0.02472583	1.687252
2879	488870.84	3858666.64	0.0955	0.06541	0.01902	0.28867	0.01879	0.19348	0.085	0.06541	1.76296754	0.002783095	4.562E-08	0.0269028	0.0155892	0.0481565	0.013874	0.01024656	1.860027
2880	488900.84	3858666.64	0.08739	0.06197	0.01905	0.48238	0.01863	0.29323	0.07771	0.06197	1.61325375	0.002636728	4.569E-08	0.0449558	0.0154565	0.072984	0.012684	0.00970768	1.752264
2881	488870.84	3858696.64	0.0917	0.07282	0.01853	0.1989	0.01825	0.14161	0.0966	0.07282	1.69281804	0.003098379	4.444E-08	0.0185367	0.0151412	0.0352462	0.015768	0.01140734	1.769201
2882	488900.84	3858696.64	0.08483	0.06855	0.01863	0.28085	0.01812	0.18634	0.08743	0.06855	1.56599514	0.002916697	4.468E-08	0.0261741	0.0150334	0.0463794	0.014271	0.01073844	1.660031
2883	488889.67	3858683.97	0.08825	0.06697	0.01878	0.29018	0.0184	0.19264	0.08584	0.06697	1.62912969	0.00284947	4.504E-08	0.0270436	0.0152657	0.0479474	0.014012	0.01049093	1.725756
2884	488919.67	3858683.97	0.08196	0.0634	0.01883	0.48221	0.01823	0.29044	0.07858	0.0634	1.51301381	0.002697572	4.516E-08	0.04494	0.0151246	0.0722895	0.012827	0.00993169	1.65096
2885	488889.67	3858713.97	0.0862	0.07478	0.01835	0.20052	0.01789	0.14116	0.09821	0.07478	1.59128588	0.003181774	4.401E-08	0.0186876	0.0148425	0.0351342	0.016031	0.01171438	1.667448
2886	488919.67	3858713.97	0.08062	0.07029	0.01847	0.2827	0.01774	0.18568	0.08888	0.07029	1.48827689	0.002990731	4.43E-08	0.0263465	0.0147181	0.0462151	0.014508	0.01101101	1.582044
2887	488906.61	3858703.33	0.08332	0.06942	0.01855	0.27582	0.01798	0.18299	0.08839	0.06942	1.53811995	0.002953714	4.449E-08	0.0257053	0.0149172	0.0455456	0.014428	0.01087473	1.630795
2888	488936.61	3858703.33	0.07822	0.06552	0.01862	0.44739	0.01782	0.27095	0.0807	0.06552	1.44397194	0.002787775	4.466E-08	0.0416949	0.0147845	0.0674385	0.013173	0.01026379	1.573586
2889	488906.61	3858733.33	0.08257	0.0777	0.01818	0.19519	0.01753	0.13677	0.10182	0.0777	1.52427465	0.003306015	4.36E-08	0.0181909	0.0145439	0.0340416	0.01662	0.0121718	1.598805
2890	488936.61	3858733.33	0.07782	0.0729	0.01833	0.27075	0.01737	0.17754	0.09195	0.0729	1.43658779	0.003101783	4.396E-08	0.0252328	0.0144111	0.0441891	0.015009	0.01141987	1.527112
2891	488637.63	3858467.85	0.10581	0.05289	0.02631	0.22239	0.02401	0.17355	0.08875	0.05289	1.95329419	0.002250388	6.31E-08	0.0207258	0.01992	0.043196	0.014487	0.00828528	2.045588
2892	488662.63	3858467.85	0.09888	0.05106	0.02613	0.31464	0.02408	0.22759	0.08163	0.05106	1.82536366	0.002172524	6.267E-08	0.0293231	0.0199781	0.0566464	0.013324	0.00799861	1.93881
2893	488637.63	3858492.85	0.10404	0.05675	0.02499	0.16771	0.02315	0.13857	0.09817	0.05675	1.92061929	0.002414625	5.993E-08	0.0156299	0.0192065	0.0344896	0.016024	0.00888996	1.999494
2894	488662.63	3858492.85	0.09888	0.05461	0.02485	0.21716	0.02325	0.16809	0.08945	0.05461	1.82536366	0.002323571	5.96E-08	0.0202384	0.0192895	0.041837	0.014601	0.00855472	1.915098
2895	488687.63	3858492.85	0.0957	0.05259	0.02469	0.30469	0.02332	0.21942	0.08211	0.05259	1.76665961	0.002237623	5.921E-08	0.0283958	0.0193476	0.0546129	0.013403	0.00823829	1.876418
2896	488637.63	3858517.85	0.10676	0.06127	0.02379	0.13494	0.02231	0.11762	0.10993	0.06127	1.97083156	0.002606944	5.706E-08	0.0125758	0.0185096	0.0292752	0.017944	0.00959802	2.042145
2897	488662.63	3858517.85	0.10261	0.05874	0.02369	0.16513	0.02245	0.13513	0.09903	0.05874	1.89422093	0.002499296	5.682E-08	0.0153894	0.0186258	0.0336334	0.016165	0.00920169	1.971332
2898	488687.63	3858517.85	0.10042	0.05643	0.02358	0.2123	0.02253	0.16299	0.09016	0.05643	1.85379267	0.002401009	5.655E-08	0.0197855	0.0186921	0.0405677	0.014717	0.00883983	1.941116
2899	488194.42	3857168.98	0.0424	0.01386	0.01289	0.04912	1.64978	0.0379	0.02165	0.01386	0.78272067	0.000589722	3.091E-08	0.0045778	1.3687488	0.0094332	0.003534	0.00217119	2.167433
2900	488244.42	3857168.98	0.04125	0.01377	0.01289	0.04693	1.36558	0.03691	0.02089	0.01377	0.76149121	0.000585892	3.091E-08	0.0043737	1.1329608	0.0091868	0.00341	0.00215709	1.909851
2901	488294.42	3857168.98	0.0402	0.01363	0.01284	0.04497	1.16765	0.03591	0.02019	0.01363	0.7421078	0.000579935	3.079E-08	0.004191	0.9687471	0.0089379	0.003296	0.00213516	1.725724
2902	488244.42	3857218.98	0.04236	0.01413	0.01327	0.04956	1.53951	0.03881	0.02169	0.01413	0.78198225	0.00060121	3.183E-08	0.0046188	1.2772627	0.0096597	0.00354	0.00221348	2.075452
2903	488294.42	3857218.98	0.04123	0.014	0.01332	0.04736	1.28013	0.03766	0.02093	0.014	0.76112201	0.000595678	3.195E-08	0.0044138	1.0620667	0.0093734	0.003416	0.00219312	1.838795

2904	488294.42	3857268.98	0.04232	0.01443	0.01416	0.05002	1.34877	0.03961	0.02172	0.01443	0.78124383	0.000613974	3.396E-08	0.0046617	1.1190142	0.0098588	0.003545	0.00226048	1.916677
2905	488139.13	3857111.68	0.0424	0.0136	0.01199	0.04857	1.64107	0.03692	0.02158	0.0136	0.78272067	0.000578659	2.876E-08	0.0045265	1.3615225	0.0091893	0.003522	0.00213046	2.15993
2906	488189.13	3857111.68	0.04123	0.01353	0.01245	0.04638	1.37074	0.03593	0.02081	0.01353	0.76112201	0.000575681	2.986E-08	0.0043224	1.1372418	0.0089429	0.003397	0.00211949	1.913482
2907	488189.13	3857161.68	0.04235	0.01383	0.01283	0.04897	1.64333	0.03773	0.02161	0.01383	0.78179765	0.000588445	3.077E-08	0.0045638	1.3633975	0.0093909	0.003527	0.00216649	2.161099
2908	487951.04	3856961.26	0.04345	0.01315	0.01026	0.04929	2.00128	0.03606	0.02204	0.01315	0.80210408	0.000559512	2.461E-08	0.0045936	1.6603727	0.0089752	0.003598	0.00205996	2.478143
2909	488001.04	3856961.26	0.04231	0.01302	0.01034	0.04698	1.59621	0.03487	0.02126	0.01302	0.78105923	0.000553981	2.48E-08	0.0043783	1.3243042	0.008679	0.00347	0.0020396	2.120405
2910	488051.04	3856961.26	0.04129	0.01284	0.0104	0.04492	1.32525	0.03376	0.02055	0.01284	0.76222963	0.000546322	2.494E-08	0.0041864	1.0995008	0.0084027	0.003354	0.0020114	1.876209
2911	488101.04	3856961.26	0.04019	0.01279	0.01059	0.04304	1.11963	0.03286	0.01987	0.01279	0.7419232	0.000544195	2.54E-08	0.0040111	0.928907	0.0081787	0.003243	0.00200357	1.684804
2912	487951.04	3857011.26	0.04453	0.01353	0.01021	0.05222	2.2931	0.03794	0.02294	0.01353	0.8220413	0.000575681	2.449E-08	0.0048667	1.9024827	0.0094431	0.003744	0.00211949	2.741034
2913	488001.04	3857011.26	0.04338	0.01332	0.01027	0.04963	1.86652	0.03656	0.0221	0.01332	0.80081185	0.000566745	2.463E-08	0.0046253	1.5485683	0.0090997	0.003607	0.00208659	2.365193
2914	488051.04	3857011.26	0.04229	0.01314	0.01039	0.04731	1.53783	0.03534	0.02131	0.01314	0.78069002	0.000559087	2.492E-08	0.0044091	1.2758689	0.008796	0.003478	0.0020584	2.071743
2915	488101.04	3857011.26	0.04112	0.01308	0.0107	0.04521	1.28879	0.03434	0.02057	0.01308	0.75909136	0.000556534	2.566E-08	0.0042134	1.0692515	0.0085471	0.003358	0.002049	1.842969
2916	488001.04	3857061.26	0.04452	0.01368	0.01033	0.05261	2.27388	0.03849	0.02299	0.01368	0.8218567	0.000582063	2.477E-08	0.004903	1.8865367	0.00958	0.003753	0.00214299	2.725068
2917	488051.04	3857061.26	0.0433	0.01353	0.01058	0.04998	1.84572	0.03717	0.02213	0.01353	0.79933502	0.000575681	2.537E-08	0.0046579	1.5313115	0.0092515	0.003612	0.00211949	2.346624
2918	488101.04	3857061.26	0.04213	0.01341	0.01102	0.04763	1.52638	0.036	0.02134	0.01341	0.77773636	0.000570575	2.643E-08	0.0044389	1.2663693	0.0089603	0.003483	0.00210069	2.059458
2919	487638.98	3856673.79	0.04488	0.01217	0.01186	0.04874	0.29078	0.03416	0.02224	0.01217	0.82850244	0.000517815	2.844E-08	0.0045424	0.2412472	0.0085023	0.00363	0.00190645	1.085036
2920	487688.98	3856673.79	0.04371	0.01204	0.01173	0.04642	0.30965	0.03303	0.02144	0.01204	0.80690378	0.000512283	2.813E-08	0.0043262	0.2569028	0.0082211	0.0035	0.00188608	1.07848
2921	487638.98	3856723.79	0.04594	0.01249	0.0116	0.05166	0.41777	0.03584	0.02315	0.01249	0.84807046	0.00053143	2.782E-08	0.0048145	0.3466051	0.0089205	0.003779	0.00195657	1.210764
2922	487688.98	3856723.79	0.0447	0.01235	0.01148	0.04903	0.45649	0.03457	0.02227	0.01235	0.82517957	0.000525473	2.753E-08	0.0045694	0.3787294	0.0086044	0.003635	0.00193464	1.219309
2923	486324.61	3855740.57	0.05447	0.01081	0.02904	0.06127	0.01521	0.0369	0.02758	0.01081	1.00553761	0.000459949	6.965E-08	0.0057101	0.0126191	0.0091843	0.004502	0.0016934	1.03632
2924	486374.61	3855740.57	0.05325	0.01047	0.02779	0.05612	0.0152	0.0345	0.02577	0.01047	0.98301593	0.000445482	6.665E-08	0.0052302	0.0126108	0.0085869	0.004206	0.00164014	1.012456
2925	486424.61	3855740.57	0.05183	0.01027	0.02703	0.05252	0.01529	0.03285	0.02451	0.01027	0.95680217	0.000436973	6.483E-08	0.0048946	0.0126854	0.0081763	0.004001	0.00160881	0.985387
2926	486324.61	3855790.57	0.05668	0.01106	0.03049	0.06695	0.01612	0.03923	0.02908	0.01106	1.04633508	0.000470586	7.313E-08	0.0062395	0.013374	0.0097642	0.004747	0.00173256	1.079198
2927	486374.61	3855790.57	0.05526	0.01073	0.02916	0.06103	0.01618	0.03662	0.02713	0.01073	1.02012132	0.000456545	6.994E-08	0.0056877	0.0134238	0.0091146	0.004428	0.00168087	1.051552
2928	486424.61	3855790.57	0.0536	0.01057	0.02845	0.05716	0.01634	0.03495	0.02588	0.01057	0.98947707	0.000449737	6.823E-08	0.0053271	0.0135566	0.0086989	0.004224	0.0016558	1.020078
2929	486324.61	3855840.57	0.05912	0.01132	0.03177	0.07381	0.01707	0.04196	0.0308	0.01132	1.09137844	0.000481649	7.62E-08	0.0068788	0.0141622	0.0104437	0.005027	0.00177329	1.126599
2930	486374.61	3855840.57	0.05718	0.01111	0.0308	0.06799	0.01732	0.03959	0.0291	0.01111	1.05556527	0.000472713	7.387E-08	0.0063364	0.0143696	0.0098538	0.00475	0.0017404	1.089607
2931	486424.61	3855840.57	0.0555	0.01088	0.02976	0.06272	0.01749	0.03737	0.02747	0.01088	1.02455181	0.000462927	7.137E-08	0.0058452	0.0145107	0.0093013	0.004484	0.00170437	1.057452
2932	486324.61	3855890.57	0.06146	0.01173	0.03325	0.08389	0.01818	0.04597	0.03335	0.01173	1.13457576	0.000499093	7.974E-08	0.0078182	0.0150831	0.0114418	0.005444	0.00183752	1.173024
2933	486374.61	3855890.57	0.05936	0.01149	0.03204	0.07625	0.0185	0.043	0.03127	0.01149	1.09580893	0.000488882	7.684E-08	0.0071062	0.0153486	0.0107026	0.005104	0.00179992	1.132759
2934	486424.61	3855890.57	0.05753	0.01122	0.03081	0.06963	0.01873	0.04026	0.02935	0.01122	1.06202641	0.000477394	7.389E-08	0.0064892	0.0155394	0.0100206	0.004791	0.00175763	1.097586
2935	488735.69	3858285.64	0.09111	0.0327	0.0351	0.19458	0.03174	0.13279	0.04398	0.0327	1.68192641	0.001391335	8.418E-08	0.0181341	0.0263333	0.033051	0.007179	0.00512249	1.762892
2936	488765.69	3858285.64	0.08428	0.0319	0.03429	0.17404	0.03159	0.12217	0.04193	0.0319	1.55584193	0.001357296	8.224E-08	0.0162198	0.0262088	0.0304077	0.006844	0.00499717	1.631883
2937	488735.69	3858315.64	0.08754	0.03432	0.03348	0.22625	0.03012	0.14699	0.04648	0.03432	1.61602281	0.001460263	8.03E-08	0.0210856	0.0249892	0.0365853	0.007587	0.00537627	1.702354
2938	488765.69	3858315.64	0.08177	0.03342	0.03275	0.19818	0.02997	0.13329	0.04417	0.03342	1.50950634	0.001421969	7.855E-08	0.0184696	0.0248648	0.0331754	0.00721	0.00523528	1.589413
2939	478676.63	3849871.93	0.00794	0.03901	0.00072	0.00124	0.00144	0.00131	0.0392	0.03901	0.14657552	0.001659815	1.727E-09	0.0001156	0.0011947	0.0003261	0.006399	0.00611096	0.150159
2940	479326.63	3849871.93	0.00598	0.02336	0.0007	0.00112	0.00145	0.00122	0.02345	0.02336	0.11039315	0.000993932	1.679E-09	0.0001044	0.001203	0.0003037	0.003828	0.00365937	0.113166
2941	479376.63	3849871.93	0.00588	0.02265	0.0007	0.00112	0.00144	0.00121	0.02275	0.02265	0.10854711	0.000963723	1.679E-09	0.0001044	0.0011947	0.0003012	0.003713	0.00354815	0.111276
2942	479426.63	3849871.93	0.00578	0.0221	0.0007	0.00112	0.00143	0.00121	0.0222	0.0221	0.10670107	0.000940321	1.679E-09	0.0001044	0.0011864	0.0003012	0.003624	0.00346199	0.109395
2943	478726.63	3849921.93	0.00837	0.04108	0.00073	0.00125	0.00145	0.00132	0.04126	0.04108	0.15451349	0.001747891	1.751E-09	0.0001165	0.001203	0.0003285	0.006735	0.00643523	0.158209
2944	478776.63	3849921.93	0.00809	0.03911	0.00073	0.00125	0.00146	0.00133	0.03927	0.03911	0.14934458	0.00166407	1.751E-09	0.0001165	0.0012113	0.000331	0.00641	0.00612663	0.152951
2945	478826.63	3849921.93	0.00785	0.03727	0.00073	0.00124	0.00147	0.00133	0.03743	0.03727	0.14491409	0.001585781	1.751E-09	0.0001156	0.0012196	0.000331	0.00611	0.00583839	0.148437
2946	478976.63	3849921.93	0.00727	0.03267	0.00072	0.00122	0.00148	0.00132	0.03279	0.03267	0.13420706	0.001390058	1.727E-09	0.0001137	0.0012279	0.0003285	0.005352	0.0051178	0.137502
2947	479026.63	3849921.93	0.00708	0.03152	0.00072	0.00121	0.00149	0.00132	0.03163	0.03152	0.13069958	0.001341127	1.727E-09	0.0001128	0.0012362	0.0003285	0.005163	0.00493765	0.133943
2948	479076.63	3849921.93	0.00693	0.03035	0.00072	0.0012	0.00149	0.00131	0.03045	0.03035	0.12793052	0.001291346	1.727E-09	0.0001118	0.0012362	0.0003261	0.00497	0.00475436	0.131112
2949	479126.63	3849921.93	0.00679	0.02921	0.00072	0.00119	0.00149	0.0013	0.02931	0.02921	0.12534607	0.00124284	1.727E-09	0.0001109	0.0012362	0.0003236	0.004784	0.00457578	0.128468
2950	479176.63	3849921.93	0.00664	0.02822	0.00072	0.00118	0.00149	0.00129	0.02831	0.02822	0.12257701	0.001200717	1.727E-09	0.00011	0.0012362	0.0003211	0.004621	0.0044207	0.125645
2951	479226.63	3849921.93	0.00654	0.02706	0.00071	0.00117	0.00148	0.00127	0.02715	0.02706	0.12073097	0.001151361	1.703E-09	0.000109	0.0012279	0.0003161	0.004432	0.00423898	0.123728
2952	479276.63	3849921.93	0.00647	0.02566	0.00071	0.00115	0.00148	0.00125	0.02574	0.02566	0.11943874	0.001091793	1.703E-09	0.0001072	0.0012279	0.0003111	0.004202	0.00401967	0.122359
2953	479326.63	3849921.93	0.00629	0.02536	0.00071	0.00115	0.00147	0.00126	0.02545	0.02536	0.11611587	0.001079029	1.703E-09	0.0001072	0.0012196	0.0003136	0.004154	0.00397267	0.119017
2954	479376.63	3849921.93	0.00623	0.0241	0.00071	0.00114	0.00146	0.00124	0.02419	0.0241	0.11500825	0.001025418	1.703E-09	0.0001062	0.0012113	0.0003086	0.003949	0.00377529	0.117833
2955	479426.63	3849921.93	0.00609	0.02369	0.00071	0.00114	0.00145	0.00124	0.02378	0.02369	0.11242379	0.001007973	1.703E-09	0.0001062	0.001203	0.0003086	0.003882	0.00371107	0.11522
2956	478726.63	3849971.93	0.00921	0.0458	0.00074	0.00126	0.00145	0.00133	0.04596	0.0458	0.17002022	0.001948719	1.775E-09	0.0001174	0.001203	0.000331	0.007502	0.00717463	0.173948
2957	478776.63	3849971.93	0.00886	0.04334	0.00074	0.00126	0.00146	0.00134	0.0435	0.04334	0.16355908	0.00184405	1.775E-09	0.0001174	0.0012113	0.0003335	0.0071	0.00678926	0.167377
2958	478826.63	3849971.93	0.00856	0.0411	0.00074	0.00126	0.00147	0.00134	0.04125	0.0411	0.15802096	0.001748742	1.775E-09	0.0001174	0.0012196	0.0003335	0.006733	0.00643837	0.161735
2959	478976.63	3849971.93	0.00781	0.03576	0.00073	0.00124	0.00149	0.00135	0.03588	0.03576	0.14417567	0.001521533	1.751E-09	0.0001156	0.0012362	0.000336	0.005857	0.00560185	0.14764
2960	479026.63	3849971.93	0.00763	0.0342	0.00073	0.00123	0.00149	0.00134	0.03431	0.0342	0.1408528	0.001455157	1.751E-09	0.0001146	0.0012362	0.0003335	0.0056	0.00535747	0.144235

2961	479076.63	3849971.93	0.00746	0.03278	0.00073	0.00122	0.0015	0.00133	0.03288	0.03278	0.13771453	0.001394738	1.751E-09	0.0001137	0.0012445	0.000331	0.005367	0.00513503	0.14103
2962	479126.63	3849971.93	0.00728	0.0315	0.00073	0.00121	0.0015	0.00132	0.0316	0.0315	0.13439166	0.001340276	1.751E-09	0.0001128	0.0012445	0.0003285	0.005158	0.00493451	0.137641
2963	479176.63	3849971.93	0.00711	0.03034	0.00073	0.0012	0.0015	0.00131	0.03043	0.03034	0.13125339	0.00129092	1.751E-09	0.0001118	0.0012445	0.0003261	0.004967	0.0047528	0.134441
2964	479226.63	3849971.93	0.00706	0.02854	0.00072	0.00118	0.0015	0.00128	0.02862	0.02854	0.13033037	0.001214333	1.727E-09	0.00011	0.0012445	0.0003186	0.004672	0.00447083	0.133419
2965	479276.63	3849971.93	0.00684	0.02796	0.00072	0.00118	0.00149	0.00129	0.02805	0.02796	0.12626909	0.001189655	1.727E-09	0.00011	0.0012362	0.0003211	0.004579	0.00437997	0.129325
2966	479326.63	3849971.93	0.00665	0.0273	0.00072	0.00118	0.00149	0.00129	0.02738	0.0273	0.12276161	0.001161573	1.727E-09	0.00011	0.0012362	0.0003211	0.004469	0.00427658	0.125783
2967	479376.63	3849971.93	0.0066	0.02597	0.00072	0.00116	0.00148	0.00126	0.02606	0.02597	0.12183859	0.001104983	1.727E-09	0.0001081	0.0012279	0.0003136	0.004254	0.00406823	0.124779
2968	479426.63	3849971.93	0.00647	0.02525	0.00072	0.00116	0.00147	0.00126	0.02534	0.02525	0.11943874	0.001074349	1.727E-09	0.0001081	0.0012196	0.0003136	0.004136	0.00395544	0.122335
2969	478726.63	3850021.93	0.01028	0.05179	0.00075	0.00127	0.00145	0.00133	0.05191	0.05179	0.18977284	0.002203585	1.799E-09	0.0001184	0.001203	0.000331	0.008473	0.00811297	0.193989
2970	478776.63	3850021.93	0.00984	0.04863	0.00075	0.00127	0.00146	0.00134	0.04876	0.04863	0.18165027	0.002069131	1.799E-09	0.0001184	0.0012113	0.0003335	0.007959	0.00761795	0.185724
2971	478826.63	3850021.93	0.00946	0.04585	0.00075	0.00127	0.00147	0.00135	0.04598	0.04585	0.17463532	0.001950847	1.799E-09	0.0001184	0.0012196	0.000336	0.007505	0.00718246	0.178583
2972	478976.63	3850021.93	0.00853	0.03922	0.00074	0.00126	0.00149	0.00136	0.03932	0.03922	0.15746715	0.001668751	1.775E-09	0.0001174	0.0012362	0.0003385	0.006418	0.00614386	0.161102
2973	478726.63	3850071.93	0.01168	0.05966	0.00076	0.00128	0.00145	0.00134	0.05972	0.05966	0.21561739	0.002538441	1.823E-09	0.0001193	0.001203	0.0003335	0.009748	0.00934581	0.220214
2974	478776.63	3850071.93	0.01111	0.05548	0.00076	0.00129	0.00146	0.00135	0.05556	0.05548	0.20509497	0.002360588	1.823E-09	0.0001202	0.0012113	0.000336	0.009069	0.00869101	0.209501
2975	478826.63	3850071.93	0.01062	0.05186	0.00076	0.00129	0.00147	0.00136	0.05196	0.05186	0.19604937	0.002206563	1.823E-09	0.0001202	0.0012196	0.0003385	0.008481	0.00812393	0.200292
2976	478876.63	3850071.93	0.01018	0.04871	0.00075	0.00129	0.00148	0.00137	0.04881	0.04871	0.1879268	0.002072535	1.799E-09	0.0001202	0.0012279	0.000341	0.007967	0.00763048	0.192025
2977	478976.63	3850071.93	0.00944	0.04347	0.00075	0.00128	0.00149	0.00138	0.04357	0.04347	0.17426611	0.001849581	1.799E-09	0.0001193	0.0012362	0.0003435	0.007112	0.00680963	0.178117
2978	478726.63	3850121.93	0.01365	0.07053	0.00077	0.00129	0.00145	0.00134	0.07046	0.07053	0.25198437	0.003000943	1.847E-09	0.0001202	0.001203	0.0003335	0.011501	0.01104861	0.257095
2979	478776.63	3850121.93	0.01286	0.06471	0.00077	0.0013	0.00146	0.00135	0.06469	0.06471	0.23740065	0.002753311	1.847E-09	0.0001212	0.0012113	0.000336	0.010559	0.0101369	0.242245
2980	478826.63	3850121.93	0.01218	0.05981	0.00077	0.0013	0.00147	0.00136	0.05982	0.05981	0.22484759	0.002544823	1.847E-09	0.0001212	0.0012196	0.0003385	0.009764	0.00936931	0.229467
2981	478876.63	3850121.93	0.01161	0.05561	0.00076	0.0013	0.00148	0.00137	0.05565	0.05561	0.21432516	0.00236612	1.823E-09	0.0001212	0.0012279	0.000341	0.009084	0.00871137	0.218754
2982	478976.63	3850121.93	0.01062	0.04883	0.00076	0.0013	0.0015	0.00139	0.04889	0.04883	0.19604937	0.002077641	1.823E-09	0.0001212	0.0012445	0.000346	0.00798	0.00764928	0.20017
2983	479026.63	3850121.93	0.01022	0.04605	0.00076	0.00129	0.0015	0.00139	0.04611	0.04605	0.18866522	0.001959356	1.823E-09	0.0001202	0.0012445	0.000346	0.007526	0.00721379	0.192648
2984	479076.63	3850121.93	0.00987	0.04353	0.00076	0.00129	0.00151	0.00139	0.04359	0.04353	0.18220408	0.001852134	1.823E-09	0.0001202	0.0012528	0.000346	0.007115	0.00681903	0.186071
2985	479126.63	3850121.93	0.00954	0.04128	0.00076	0.00128	0.00152	0.00139	0.04134	0.04128	0.17611215	0.0017564	1.823E-09	0.0001193	0.0012611	0.000346	0.006748	0.00646656	0.179876
2986	478776.63	3850171.93	0.01539	0.07782	0.00078	0.0013	0.00146	0.00135	0.07761	0.07782	0.28410545	0.003311121	1.871E-09	0.0001212	0.0012113	0.000336	0.012668	0.0121906	0.289563
2987	478826.63	3850171.93	0.01438	0.07078	0.00078	0.00131	0.00147	0.00137	0.07065	0.07078	0.26546045	0.00301158	1.871E-09	0.0001221	0.0012196	0.000341	0.011532	0.01108777	0.270599
2988	478876.63	3850171.93	0.01354	0.06493	0.00077	0.00131	0.00148	0.00138	0.06486	0.06493	0.24995372	0.002762671	1.847E-09	0.0001221	0.0012279	0.0003435	0.010587	0.01017136	0.254825
2989	478976.63	3850171.93	0.01217	0.05577	0.00077	0.00131	0.0015	0.0014	0.05578	0.05577	0.22466298	0.002372927	1.847E-09	0.0001221	0.0012445	0.0003485	0.009105	0.00873644	0.229119
2990	479026.63	3850171.93	0.01162	0.05214	0.00077	0.00131	0.0015	0.00141	0.05216	0.05214	0.21450977	0.002218477	1.847E-09	0.0001221	0.0012445	0.0003509	0.008514	0.00816779	0.218792
2991	479076.63	3850171.93	0.01116	0.04896	0.00077	0.00131	0.00151	0.00141	0.04899	0.04896	0.20601799	0.002083172	1.847E-09	0.0001221	0.0012528	0.0003509	0.007997	0.00766964	0.210154
2992	479126.63	3850171.93	0.01073	0.04615	0.00077	0.0013	0.00152	0.00141	0.04618	0.04615	0.19808002	0.001963611	1.847E-09	0.0001212	0.0012611	0.0003509	0.007538	0.00722945	0.202085
2993	479176.63	3850171.93	0.0103	0.04368	0.00076	0.0013	0.00153	0.00141	0.04371	0.04368	0.19014205	0.001858517	1.823E-09	0.0001212	0.0012694	0.0003509	0.007135	0.00684253	0.194034
2994	479226.63	3850171.93	0.00989	0.04154	0.00076	0.00129	0.00153	0.00141	0.04158	0.04154	0.18257329	0.001767463	1.823E-09	0.0001202	0.0012694	0.0003509	0.006787	0.00650729	0.186361
2995	479276.63	3850171.93	0.00952	0.0396	0.00076	0.00129	0.00153	0.0014	0.03964	0.0396	0.17574294	0.001684919	1.823E-09	0.0001202	0.0012694	0.0003485	0.00647	0.00620339	0.179433
2996	479326.63	3850171.93	0.00925	0.03779	0.00076	0.00128	0.00154	0.00139	0.03784	0.03779	0.17075864	0.001607906	1.823E-09	0.0001193	0.0012777	0.000346	0.006177	0.00591985	0.174366
2997	479376.63	3850171.93	0.00901	0.03607	0.00076	0.00127	0.00154	0.00138	0.0361	0.03607	0.16632814	0.001534723	1.823E-09	0.0001184	0.0012777	0.0003435	0.005893	0.00565041	0.169845
2998	478676.63	3850221.93	0.02475	0.13179	0.0008	0.00129	0.00144	0.00132	0.1304	0.13179	0.45689473	0.005607461	1.919E-09	0.0001202	0.0011947	0.0003285	0.021285	0.02064506	0.464786
2999	478726.63	3850221.93	0.02155	0.11231	0.0008	0.0013	0.00145	0.00134	0.11141	0.11231	0.39782147	0.004778617	1.919E-09	0.0001212	0.001203	0.0003335	0.018185	0.0175935	0.40485
3000	478976.63	3850221.93	0.01424	0.06511	0.00078	0.00133	0.0015	0.00141	0.065	0.06511	0.262876	0.00277033	1.871E-09	0.000124	0.0012445	0.0003509	0.01061	0.01019956	0.267776
3001	479026.63	3850221.93	0.01348	0.06015	0.00078	0.00133	0.00151	0.00142	0.06007	0.06015	0.2488461	0.00255929	1.871E-09	0.000124	0.0012528	0.0003534	0.009805	0.00942257	0.253518
3002	479076.63	3850221.93	0.01286	0.05594	0.00078	0.00132	0.00151	0.00142	0.05591	0.05594	0.23740065	0.002380161	1.871E-09	0.000123	0.0012528	0.0003534	0.009126	0.00876307	0.241873
3003	479126.63	3850221.93	0.01229	0.05229	0.00078	0.00132	0.00152	0.00143	0.05227	0.05229	0.22687823	0.002224859	1.871E-09	0.000123	0.0012611	0.0003559	0.008532	0.00819129	0.231184
3004	479176.63	3850221.93	0.01172	0.04912	0.00077	0.00132	0.00153	0.00143	0.04911	0.04912	0.21635581	0.00208998	1.847E-09	0.000123	0.0012694	0.0003559	0.008016	0.00769471	0.220516
3005	479226.63	3850221.93	0.01121	0.04633	0.00077	0.00131	0.00153	0.00143	0.04633	0.04633	0.20694101	0.00197127	1.847E-09	0.0001221	0.0012694	0.0003559	0.007562	0.00725765	0.210964
3006	479276.63	3850221.93	0.01077	0.04386	0.00077	0.00131	0.00154	0.00142	0.04387	0.04386	0.19881843	0.001866175	1.847E-09	0.0001221	0.0012777	0.0003534	0.007161	0.00687072	0.202728
3007	479326.63	3850221.93	0.01044	0.04166	0.00077	0.0013	0.00154	0.00142	0.04167	0.04166	0.1927265	0.001772569	1.847E-09	0.0001212	0.0012777	0.0003534	0.006802	0.00652609	0.196527
3008	479376.63	3850221.93	0.01014	0.03965	0.00077	0.00129	0.00155	0.00141	0.03967	0.03965	0.18718839	0.001687046	1.847E-09	0.0001202	0.001286	0.0003509	0.006475	0.00621122	0.190897
3009	478676.63	3850271.93	0.03856	0.20205	0.00081	0.00129	0.00144	0.00132	0.19803	0.20205	0.71183276	0.008596916	1.943E-09	0.0001202	0.0011947	0.0003285	0.032324	0.03165138	0.722746
3010	478726.63	3850271.93	0.03103	0.16028	0.00081	0.0013	0.00145	0.00134	0.15785	0.16028	0.572826	0.006819667	1.943E-09	0.0001212	0.001203	0.0003335	0.025766	0.02510806	0.581961
3011	478976.63	3850271.93	0.01714	0.07847	0.00079	0.00134	0.0015	0.00141	0.07813	0.07847	0.31641114	0.003338777	1.895E-09	0.0001249	0.0012445	0.0003509	0.012753	0.01229242	0.321931
3012	479026.63	3850271.93	0.01606	0.07126	0.00079	0.00134	0.00151	0.00143	0.07102	0.07126	0.29647391	0.003032003	1.895E-09	0.0001249	0.0012528	0.0003559	0.011592	0.01116297	0.301669
3013	479076.63	3850271.93	0.0152	0.06534	0.00079	0.00134	0.00152	0.00143	0.06518	0.06534	0.28059797	0.002780116	1.895E-09	0.0001249	0.0012611	0.0003559	0.010639	0.01023559	0.285524
3014	479126.63	3850271.93	0.01443	0.06037	0.00079	0.00134	0.00152	0.00144	0.06025	0.06037	0.26638347	0.00256865	1.895E-09	0.0001249	0.0012611	0.0003584	0.009835	0.00945703	0.271074
3015	479176.63	3850271.93	0.01369	0.05611	0.00079	0.00134	0.00153	0.00144	0.05603	0.05611	0.25272278	0.002387394	1.895E-09	0.0001249	0.0012694	0.0003584	0.009146	0.0087897	0.257219
3016	479226.63	3850271.93	0.01303	0.05244	0.00078	0.00133	0.00154	0.00145	0.05238	0.05244	0.24053892	0.002231241	1.871E-09	0.000124	0.0012777	0.0003609	0.00855	0.00821479	0.244868
3017	479276.63	3850271.93	0.01251	0.04926	0.00078	0.00133	0.00154	0.00144	0.04922	0.04926	0.23093952	0.002095937	1.871E-09	0.000124	0.0012777	0.0003584	0.008034	0.00771664	0.235113

3018	479326.63	3850271.93	0.0121	0.04648	0.00078	0.00132	0.00155	0.00144	0.04645	0.04648	0.22337076	0.001977652	1.871E-09	0.000123	0.001286	0.0003584	0.007582	0.00728115	0.227417
3019	479376.63	3850271.93	0.01176	0.04394	0.00078	0.00131	0.00155	0.00143	0.04392	0.04394	0.21709422	0.001869579	1.871E-09	0.0001221	0.001286	0.0003559	0.007169	0.00688325	0.221014
3020	479053.24	3850293.52	0.01695	0.07358	0.00079	0.00134	0.00151	0.00143	0.07328	0.07358	0.31290366	0.003130716	1.895E-09	0.0001249	0.0012528	0.0003559	0.011961	0.0115264	0.318203
3021	479103.24	3850293.52	0.01605	0.06727	0.00079	0.00135	0.00152	0.00144	0.06706	0.06727	0.29628931	0.002862235	1.895E-09	0.0001258	0.0012611	0.0003584	0.010946	0.01053793	0.301305
3022	479153.24	3850293.52	0.01519	0.06202	0.00079	0.00134	0.00153	0.00145	0.06187	0.06202	0.28041337	0.002638855	1.895E-09	0.0001249	0.0012694	0.0003609	0.010099	0.00971551	0.285191
3023	479203.24	3850293.52	0.0144	0.05752	0.00079	0.00134	0.00154	0.00145	0.05741	0.05752	0.26582966	0.002447387	1.895E-09	0.0001249	0.0012777	0.0003609	0.009371	0.00901058	0.270401
3024	479253.24	3850293.52	0.01376	0.05368	0.00079	0.00134	0.00154	0.00145	0.0536	0.05368	0.25401501	0.002284001	1.895E-09	0.0001249	0.0012777	0.0003609	0.008749	0.00840904	0.258402
3025	479303.24	3850293.52	0.01326	0.05037	0.00079	0.00133	0.00155	0.00145	0.05031	0.05037	0.24478481	0.002143166	1.895E-09	0.000124	0.001286	0.0003609	0.008212	0.00789052	0.24902
3026	479353.24	3850293.52	0.01285	0.04742	0.00078	0.00132	0.00155	0.00144	0.04737	0.04742	0.23721605	0.002017648	1.871E-09	0.000123	0.001286	0.0003584	0.007732	0.0074284	0.241305
3027	479153.24	3850343.52	0.01915	0.07394	0.0008	0.00136	0.00153	0.00146	0.07358	0.07394	0.35351653	0.003146033	1.919E-09	0.0001267	0.0012694	0.0003634	0.01201	0.01158279	0.35885
3028	479203.24	3850343.52	0.01812	0.06756	0.0008	0.00136	0.00154	0.00147	0.06731	0.06756	0.33450232	0.002874574	1.919E-09	0.0001267	0.0012777	0.0003659	0.010987	0.01058336	0.339551
3029	479253.24	3850343.52	0.01733	0.06231	0.0008	0.00136	0.00154	0.00147	0.06212	0.06231	0.31991861	0.002651194	1.919E-09	0.0001267	0.0012777	0.0003659	0.01014	0.00976094	0.324719
3030	479303.24	3850343.52	0.01662	0.05784	0.0008	0.00135	0.00155	0.00147	0.05769	0.05784	0.30681173	0.002461003	1.919E-09	0.0001258	0.001286	0.0003659	0.009417	0.00906071	0.311406
3031	479353.24	3850343.52	0.01595	0.05394	0.00079	0.00134	0.00156	0.00146	0.05382	0.05394	0.29444327	0.002295064	1.895E-09	0.0001249	0.0012943	0.0003634	0.008785	0.00844977	0.298856
3032	479203.24	3850393.52	0.02749	0.0822	0.00081	0.00137	0.00154	0.00148	0.08166	0.0822	0.5074762	0.003497483	1.943E-09	0.0001277	0.0012777	0.0003684	0.013329	0.01287673	0.5132
3033	479253.24	3850393.52	0.0252	0.07446	0.00081	0.00137	0.00155	0.00148	0.07406	0.07446	0.4652019	0.003168158	1.943E-09	0.0001277	0.001286	0.0003684	0.012089	0.01166425	0.470577
3034	479303.24	3850393.52	0.02313	0.06811	0.00081	0.00137	0.00155	0.00148	0.06779	0.06811	0.42698889	0.002897975	1.943E-09	0.0001277	0.001286	0.0003684	0.011065	0.01066951	0.432065
3035	479353.24	3850393.52	0.02141	0.06273	0.0008	0.00136	0.00156	0.00148	0.06247	0.06273	0.39523702	0.002669065	1.919E-09	0.0001267	0.0012943	0.0003684	0.010197	0.00982673	0.400066
3036	479403.24	3850393.52	0.01995	0.05809	0.0008	0.00136	0.00157	0.00148	0.05788	0.05809	0.36828484	0.00247164	1.919E-09	0.0001267	0.0013026	0.0003684	0.009448	0.00909987	0.372902
3037	479453.24	3850393.52	0.01873	0.05401	0.0008	0.00135	0.00158	0.00147	0.05383	0.05401	0.34576316	0.002298042	1.919E-09	0.0001258	0.0013109	0.0003659	0.008787	0.00846073	0.35019
3038	479503.24	3850393.52	0.01768	0.05031	0.0008	0.00134	0.00158	0.00145	0.05015	0.05031	0.32637975	0.002140613	1.919E-09	0.0001249	0.0013109	0.0003609	0.008186	0.00788112	0.330622
3039	479303.24	3850443.52	0.03711	0.08309	0.00082	0.00138	0.00156	0.0015	0.08245	0.08309	0.68506519	0.003535351	1.967E-09	0.0001286	0.0012943	0.0003733	0.013458	0.01301615	0.690839
3040	479353.24	3850443.52	0.03159	0.07513	0.00081	0.00138	0.00157	0.0015	0.07462	0.07513	0.58316382	0.003196666	1.943E-09	0.0001286	0.0013026	0.0003733	0.01218	0.01176921	0.588576
3041	479403.24	3850443.52	0.02774	0.06843	0.00081	0.00138	0.00158	0.00149	0.06801	0.06843	0.5120913	0.002911591	1.943E-09	0.0001286	0.0013109	0.0003709	0.011101	0.01071964	0.517195
3042	479453.24	3850443.52	0.02494	0.06271	0.00081	0.00137	0.00158	0.00149	0.06237	0.06271	0.4604022	0.002668214	1.943E-09	0.0001277	0.0013109	0.0003709	0.010181	0.0098236	0.465237
3043	479503.24	3850443.52	0.02279	0.05773	0.00081	0.00136	0.00159	0.00148	0.05747	0.05773	0.42071236	0.002456322	1.943E-09	0.0001267	0.0013192	0.0003684	0.009381	0.00904347	0.42532
3044	480327.18	3850987.04	0.02203	0.1013	0.00093	0.00151	0.00173	0.00163	0.10091	0.1013	0.40668246	0.004310159	2.23E-09	0.0001407	0.0014353	0.0004057	0.016471	0.01586877	0.413577
3045	480377.18	3850987.04	0.01975	0.08939	0.00093	0.00151	0.00173	0.00163	0.08921	0.08939	0.36459276	0.003803407	2.23E-09	0.0001407	0.0014353	0.0004057	0.014562	0.01400305	0.370936
3046	480427.18	3850987.04	0.01802	0.0798	0.00093	0.0015	0.00173	0.00162	0.07976	0.0798	0.33265628	0.003395367	2.23E-09	0.0001398	0.0014353	0.0004032	0.013019	0.01250077	0.338548
3047	480477.18	3850987.04	0.01667	0.07179	0.00094	0.0015	0.00172	0.00162	0.07186	0.07179	0.30773475	0.003054554	2.254E-09	0.0001398	0.001427	0.0004032	0.01173	0.01124599	0.313243
3048	480327.18	3851037.04	0.02941	0.13899	0.00094	0.00154	0.00175	0.00166	0.13814	0.13899	0.54292016	0.00591381	2.254E-09	0.0001435	0.0014519	0.0004132	0.022548	0.02177295	0.551618
3049	480377.18	3851037.04	0.02485	0.11767	0.00094	0.00153	0.00175	0.00165	0.11723	0.11767	0.45874077	0.005006677	2.254E-09	0.0001426	0.0014519	0.0004107	0.019135	0.01843315	0.466455
3050	480427.18	3851037.04	0.02174	0.10163	0.00094	0.00153	0.00175	0.00165	0.10146	0.10163	0.40132894	0.0043242	2.254E-09	0.0001426	0.0014519	0.0004107	0.016561	0.01592046	0.408299
3051	480477.18	3851037.04	0.01948	0.08929	0.00095	0.00152	0.00174	0.00164	0.08931	0.08929	0.35960846	0.003799152	2.278E-09	0.0001417	0.0014436	0.0004082	0.014578	0.01398739	0.365992
3052	480622.06	3851087.39	0.01778	0.08036	0.00098	0.00154	0.00175	0.00167	0.0807	0.08036	0.32822579	0.003419194	2.35E-09	0.0001435	0.0014519	0.0004157	0.013173	0.01258849	0.33424
3053	480672.06	3851087.39	0.01636	0.07242	0.00099	0.00154	0.00174	0.00168	0.07281	0.07242	0.30201203	0.003081359	2.374E-09	0.0001435	0.0014436	0.0004181	0.011885	0.01134468	0.307639
3054	480622.06	3851137.39	0.02193	0.10336	0.00099	0.00156	0.00177	0.00169	0.10377	0.10336	0.40483642	0.004397809	2.374E-09	0.0001454	0.0014685	0.0004206	0.016938	0.01619147	0.412016
3055	480672.06	3851137.39	0.01954	0.09053	0.001	0.00156	0.00177	0.0017	0.09103	0.09053	0.36071608	0.003851912	2.398E-09	0.0001454	0.0014685	0.0004231	0.014859	0.01418163	0.367282
3056	480722.06	3851137.39	0.01773	0.08065	0.00101	0.00156	0.00176	0.00171	0.0812	0.08065	0.32730277	0.003431533	2.422E-09	0.0001454	0.0014602	0.0004256	0.013254	0.01263392	0.333386
3057	480622.06	3851187.39	0.03045	0.14429	0.001	0.00159	0.00179	0.00172	0.14481	0.14429	0.56211897	0.006139317	2.398E-09	0.0001482	0.0014851	0.0004281	0.023637	0.0226032	0.571354
3058	480672.06	3851187.39	0.02548	0.12079	0.00101	0.00159	0.00179	0.00172	0.12147	0.12079	0.47037081	0.005139428	2.422E-09	0.0001482	0.0014851	0.0004281	0.019827	0.0189219	0.478477
3059	480722.06	3851187.39	0.02212	0.10387	0.00102	0.00159	0.00178	0.00173	0.1046	0.10387	0.40834389	0.004419508	2.446E-09	0.0001482	0.0014768	0.0004306	0.017074	0.01627136	0.415621
3060	471363.09	3845877.25	0.00095	0.0037	0.0004	0.00063	0.0008	0.0007	0.00373	0.0037	0.01753737	0.000157429	9.593E-10	5.871E-05	0.0006637	0.0001742	0.000609	0.00057961	0.018621
3061	471863.09	3845877.25	0.00096	0.00369	0.00041	0.00062	0.00079	0.00071	0.00371	0.00369	0.01772198	0.000157004	9.833E-10	5.778E-05	0.0006554	0.0001767	0.000606	0.00057804	0.018796
3062	472363.09	3845877.25	0.00098	0.00425	0.00043	0.00064	0.0008	0.00071	0.00427	0.00425	0.01809119	0.000180831	1.031E-09	5.965E-05	0.0006637	0.0001767	0.000697	0.00066577	0.019203
3063	472863.09	3845877.25	0.00095	0.0041	0.00043	0.00064	0.00081	0.0007	0.00413	0.0041	0.01753737	0.000174449	1.031E-09	5.965E-05	0.000672	0.0001742	0.000674	0.00064227	0.01865
3064	473363.09	3845877.25	0.00094	0.0042	0.00043	0.00068	0.00085	0.0007	0.00426	0.0042	0.01735277	0.000178704	1.031E-09	6.337E-05	0.0007052	0.0001742	0.000695	0.00065794	0.018512
3065	473863.09	3845877.25	0.00092	0.00426	0.00042	0.0007	0.00089	0.0007	0.00433	0.00426	0.01698356	0.000181256	1.007E-09	6.524E-05	0.0007384	0.0001742	0.000707	0.00066733	0.018182
3066	474363.09	3845877.25	0.0009	0.00452	0.00041	0.00068	0.00091	0.00069	0.00459	0.00452	0.01661435	0.000192319	9.833E-10	6.337E-05	0.000755	0.0001717	0.000749	0.00070806	0.017838
3067	474863.09	3845877.25	0.00091	0.00466	0.00041	0.00065	0.00088	0.00068	0.00472	0.00466	0.01679896	0.000198276	9.833E-10	6.058E-05	0.0007301	0.0001692	0.00077	0.00072999	0.017998
3068	475363.09	3845877.25	0.00095	0.00472	0.00041	0.00062	0.00082	0.0007	0.00474	0.00472	0.01753737	0.000200829	9.833E-10	5.778E-05	0.0006803	0.0001742	0.000774	0.00073939	0.018685
3069	475863.09	3845877.25	0.00098	0.0046	0.00041	0.00061	0.00076	0.00071	0.00462	0.0046	0.01809119	0.000195723	9.833E-10	5.685E-05	0.0006305	0.0001767	0.000754	0.0007206	0.019185
3070	476363.09	3845877.25	0.00098	0.00437	0.00041	0.00063	0.00072	0.0007	0.00441	0.00437	0.01809119	0.000185937	9.833E-10	5.871E-05	0.0005974	0.0001742	0.00072	0.00068457	0.019143
3071	476863.09	3845877.25	0.00094	0.00411	0.00041	0.00064	0.00071	0.00069	0.00417	0.00411	0.01735277	0.000174874	9.833E-10	5.965E-05	0.0005891	0.0001717	0.000681	0.00064384	0.018385
3072	477363.09	3845877.25	0.0009	0.0039	0.00041	0.00065	0.00078	0.00068	0.00396	0.0039	0.01661435	0.000165939	9.833E-10	6.058E-05	0.0006471	0.0001692	0.000646	0.00061094	0.017693
3073	477863.09	3845877.25	0.00088	0.00366	0.00041	0.00063	0.00088	0.00067	0.00371	0.00366	0.01624515	0.000155727	9.833E-10	5.871E-05	0.0007301	0.0001668	0.000606	0.00057334	0.017389
3074	478363.09	3845877.25	0.00089	0.00352	0.00041	0.00061	0.00085	0.00066	0.00355	0.00352	0.01642975	0.000149771	9.833E-10	5.685E-05	0.0007052	0.0001643	0.000579	0.00055141	0.017534

3075	478863.09	3845877.25	0.00089	0.00339	0.00041	0.00061	0.00073	0.00066	0.00342	0.00339	0.01642975	0.000144239	9.833E-10	5.685E-05	0.0006056	0.0001643	0.000558	0.00053105	0.017428
3076	479363.09	3845877.25	0.00092	0.00332	0.00041	0.00061	0.00069	0.00067	0.00336	0.00332	0.01698356	0.000141261	9.833E-10	5.685E-05	0.0005725	0.0001668	0.000548	0.00052008	0.017949
3077	479863.09	3845877.25	0.00096	0.00319	0.00043	0.00061	0.00067	0.00068	0.00323	0.00319	0.01772198	0.00013573	1.031E-09	5.685E-05	0.0005559	0.0001692	0.000527	0.00049972	0.018667
3078	480363.09	3845877.25	0.00099	0.00298	0.00045	0.0006	0.00067	0.00068	0.00301	0.00298	0.01827579	0.000126794	1.079E-09	5.592E-05	0.0005559	0.0001692	0.000491	0.00046682	0.019208
3079	480863.09	3845877.25	0.001	0.00285	0.00046	0.0006	0.0007	0.00069	0.00287	0.00285	0.01846039	0.000121263	1.103E-09	5.592E-05	0.0005808	0.0001717	0.000468	0.00044646	0.019412
3080	481363.09	3845877.25	0.00098	0.00273	0.00046	0.00061	0.00072	0.00068	0.00276	0.00273	0.01809119	0.000116157	1.103E-09	5.685E-05	0.0005974	0.0001692	0.000451	0.00042766	0.019054
3081	481863.09	3845877.25	0.00092	0.0026	0.00043	0.0006	0.00073	0.00067	0.00263	0.0026	0.01698356	0.000110626	1.031E-09	5.592E-05	0.0006056	0.0001668	0.000429	0.00040729	0.017945
3082	482363.09	3845877.25	0.00088	0.00247	0.00042	0.0006	0.0007	0.00066	0.0025	0.00247	0.01624515	0.000105095	1.007E-09	5.592E-05	0.0005808	0.0001643	0.000408	0.00038693	0.017172
3083	482863.09	3845877.25	0.00084	0.0022	0.00041	0.00057	0.0007	0.00064	0.00223	0.0022	0.01550673	9.36066E-05	9.833E-10	5.312E-05	0.0005808	0.0001593	0.000364	0.00034463	0.016413
3084	483363.09	3845877.25	0.00083	0.00207	0.0004	0.00056	0.00074	0.00063	0.00209	0.00207	0.01532213	8.80753E-05	9.593E-10	5.219E-05	0.0006139	0.0001568	0.000341	0.00032427	0.01625
3085	483863.09	3845877.25	0.00088	0.00223	0.00042	0.00059	0.00079	0.00064	0.00226	0.00223	0.01624515	9.48831E-05	1.007E-09	5.499E-05	0.0006554	0.0001593	0.000369	0.00034933	0.017229
3086	484363.09	3845877.25	0.00087	0.00221	0.00043	0.00059	0.00077	0.00063	0.00223	0.00221	0.01606054	9.40321E-05	1.031E-09	5.499E-05	0.0006388	0.0001568	0.000364	0.0003462	0.017023
3087	484863.09	3845877.25	0.00085	0.00216	0.00042	0.00058	0.00073	0.00062	0.00218	0.00216	0.01569133	9.19047E-05	1.007E-09	5.405E-05	0.0006056	0.0001543	0.000356	0.00033837	0.016615
3088	485363.09	3845877.25	0.00083	0.00208	0.00041	0.00058	0.00067	0.0006	0.00211	0.00208	0.01532213	8.85008E-05	9.833E-10	5.405E-05	0.0005559	0.0001493	0.000344	0.00032583	0.016188
3089	485863.09	3845877.25	0.00084	0.00208	0.00042	0.00058	0.00061	0.0006	0.0021	0.00208	0.01550673	8.85008E-05	1.007E-09	5.405E-05	0.0005061	0.0001493	0.000343	0.00032583	0.016322
3090	486363.09	3845877.25	0.00085	0.00205	0.00042	0.00057	0.00061	0.0006	0.00207	0.00205	0.01569133	8.72243E-05	1.007E-09	5.312E-05	0.0005061	0.0001493	0.000338	0.00032113	0.016504
3091	486863.09	3845877.25	0.00084	0.00197	0.00041	0.00055	0.00062	0.00059	0.00199	0.00197	0.01550673	8.38205E-05	9.833E-10	5.126E-05	0.0005144	0.0001468	0.000325	0.0003086	0.016319
3092	487363.09	3845877.25	0.00085	0.00194	0.0004	0.00055	0.00063	0.00059	0.00196	0.00194	0.01569133	8.2544E-05	9.593E-10	5.126E-05	0.0005227	0.0001468	0.00032	0.0003039	0.016511
3093	487863.09	3845877.25	0.00084	0.00187	0.00039	0.00054	0.00066	0.00058	0.00189	0.00187	0.01550673	7.95656E-05	9.354E-10	5.033E-05	0.0005476	0.0001444	0.000309	0.00029294	0.016344
3094	488363.09	3845877.25	0.00084	0.00183	0.00039	0.00053	0.0007	0.00058	0.00185	0.00183	0.01550673	7.78637E-05	9.354E-10	4.939E-05	0.0005808	0.0001444	0.000302	0.00028667	0.016374
3095	488863.09	3845877.25	0.00088	0.00192	0.0004	0.00054	0.00068	0.00059	0.00194	0.00192	0.01624515	8.1693E-05	9.593E-10	5.033E-05	0.0005642	0.0001468	0.000317	0.00030077	0.017104
3096	489363.09	3845877.25	0.00089	0.0019	0.0004	0.00054	0.00063	0.00059	0.00192	0.0019	0.01642975	8.08421E-05	9.593E-10	5.033E-05	0.0005227	0.0001468	0.000313	0.00029764	0.017246
3097	489863.09	3845877.25	0.00087	0.00184	0.00041	0.00053	0.00062	0.00059	0.00185	0.00184	0.01606054	7.82892E-05	9.833E-10	4.939E-05	0.0005144	0.0001468	0.000302	0.00028824	0.016863
3098	490363.09	3845877.25	0.00086	0.00175	0.00041	0.00052	0.00062	0.00058	0.00176	0.00175	0.01587594	7.44598E-05	9.833E-10	4.846E-05	0.0005144	0.0001444	0.000287	0.00027414	0.016671
3099	490863.09	3845877.25	0.00084	0.00158	0.0004	0.0005	0.00063	0.00057	0.0016	0.00158	0.01550673	6.72266E-05	9.593E-10	4.66E-05	0.0005227	0.0001419	0.000261	0.00024751	0.016299
3100	491363.09	3845877.25	0.00087	0.00166	0.00041	0.00052	0.00067	0.00059	0.00167	0.00166	0.01606054	7.06304E-05	9.833E-10	4.846E-05	0.0005559	0.0001468	0.000273	0.00026004	0.016895
3101	491863.09	3845877.25	0.0009	0.00169	0.00043	0.00054	0.00069	0.0006	0.0017	0.00169	0.01661435	7.19069E-05	1.031E-09	5.033E-05	0.0005725	0.0001493	0.000277	0.00026474	0.017471
3102	492363.09	3845877.25	0.00088	0.00157	0.00043	0.00053	0.00066	0.00059	0.00158	0.00157	0.01624515	6.68011E-05	1.031E-09	4.939E-05	0.0005476	0.0001468	0.000258	0.00024594	0.017068
3103	492863.09	3845877.25	0.00093	0.00168	0.00045	0.00055	0.00067	0.00062	0.0017	0.00168	0.01716817	7.14814E-05	1.079E-09	5.126E-05	0.0005559	0.0001543	0.000277	0.00026317	0.018015
3104	493363.09	3845877.25	0.00096	0.00171	0.00046	0.00056	0.00067	0.00063	0.00173	0.00171	0.01772198	7.27579E-05	1.103E-09	5.219E-05	0.0005559	0.0001568	0.000282	0.00026787	0.018574
3105	493863.09	3845877.25	0.00099	0.00173	0.00047	0.00058	0.00069	0.00065	0.00175	0.00173	0.01827579	7.36088E-05	1.127E-09	5.405E-05	0.0005725	0.0001618	0.000286	0.00027101	0.019152
3106	494363.09	3845877.25	0.00102	0.00174	0.00049	0.00059	0.0007	0.00066	0.00176	0.00174	0.0188296	7.40343E-05	1.175E-09	5.499E-05	0.0005808	0.0001643	0.000287	0.00027257	0.019718
3107	494863.09	3845877.25	0.00104	0.00174	0.0005	0.0006	0.0007	0.00067	0.00176	0.00174	0.01919881	7.40343E-05	1.199E-09	5.592E-05	0.0005808	0.0001668	0.000287	0.00027257	0.020091
3108	495363.09	3845877.25	0.00106	0.00175	0.00051	0.00062	0.0007	0.00069	0.00177	0.00175	0.01956802	7.44598E-05	1.223E-09	5.778E-05	0.0005808	0.0001717	0.000289	0.00027414	0.020468
3109	495863.09	3845877.25	0.00109	0.00176	0.00052	0.00063	0.00072	0.0007	0.00178	0.00176	0.02012183	7.48853E-05	1.247E-09	5.871E-05	0.0005974	0.0001742	0.000291	0.00027571	0.021042
3110	496363.09	3845877.25	0.00112	0.00177	0.00054	0.00064	0.00078	0.00072	0.00179	0.00177	0.02067564	7.53108E-05	1.295E-09	5.965E-05	0.0006471	0.0001792	0.000292	0.00027727	0.021652
3111	496863.09	3845877.25	0.00114	0.00176	0.00055	0.00065	0.00082	0.00074	0.00179	0.00176	0.02104485	7.48853E-05	1.319E-09	6.058E-05	0.0006803	0.0001842	0.000292	0.00027571	0.022061
3112	497363.09	3845877.25	0.00116	0.00176	0.00058	0.00066	0.00086	0.00076	0.00178	0.00176	0.02141406	7.48853E-05	1.391E-09	6.151E-05	0.0007135	0.0001892	0.000291	0.00027571	0.022468
3113	497863.09	3845877.25	0.00119	0.00175	0.0006	0.00068	0.00089	0.00078	0.00177	0.00175	0.02196787	7.44598E-05	1.439E-09	6.337E-05	0.0007384	0.0001941	0.000289	0.00027414	0.023053
3114	498363.09	3845877.25	0.00122	0.00174	0.00062	0.00069	0.00093	0.00079	0.00177	0.00174	0.02252168	7.40343E-05	1.487E-09	6.431E-05	0.0007716	0.0001966	0.000289	0.00027257	0.023645
3115	471363.09	3846377.25	0.00105	0.06795	0.00045	0.00073	0.00094	0.00079	0.06849	0.06795	0.01938341	0.002891168	1.079E-09	6.803E-05	0.0007799	0.0001966	0.01118	0.01064445	0.023854
3116	471863.09	3846377.25	0.00104	0.05738	0.00043	0.0007	0.00089	0.00077	0.05783	0.05738	0.01919881	0.00244143	1.031E-09	6.524E-05	0.0007384	0.0001917	0.00944	0.00898865	0.023086
3117	472363.09	3846377.25	0.00102	0.01746	0.00043	0.00065	0.00083	0.00074	0.01759	0.01746	0.0188296	0.000742896	1.031E-09	6.058E-05	0.0006886	0.0001842	0.002871	0.00273513	0.020642
3118	472863.09	3846377.25	0.00103	0.01212	0.00045	0.00066	0.00083	0.00074	0.0122	0.01212	0.0190142	0.000515687	1.079E-09	6.151E-05	0.0006886	0.0001842	0.001991	0.00189861	0.020557
3119	473363.09	3846377.25	0.00103	0.00955	0.00046	0.00067	0.00084	0.00074	0.00962	0.00955	0.0190142	0.000406338	1.103E-09	6.244E-05	0.0006969	0.0001842	0.00157	0.00149602	0.020438
3120	473863.09	3846377.25	0.00102	0.00855	0.00047	0.00071	0.00088	0.00074	0.00864	0.00855	0.0188296	0.000363789	1.127E-09	6.617E-05	0.0007301	0.0001842	0.00141	0.00133937	0.020245
3121	474363.09	3846377.25	0.001	0.00773	0.00045	0.00075	0.00093	0.00074	0.00784	0.00773	0.01846039	0.0003289	1.079E-09	6.99E-05	0.0007716	0.0001842	0.00128	0.00121091	0.019884
3122	474863.09	3846377.25	0.00099	0.00726	0.00044	0.00073	0.00097	0.00073	0.00736	0.00726	0.01827579	0.000308902	1.055E-09	6.803E-05	0.0008048	0.0001817	0.001201	0.00113729	0.019703
3123	475363.09	3846377.25	0.00099	0.00675	0.00043	0.0007	0.00094	0.00073	0.00683	0.00675	0.01827579	0.000287202	1.031E-09	6.524E-05	0.0007799	0.0001817	0.001115	0.0010574	0.019647
3124	475863.09	3846377.25	0.00102	0.00637	0.00043	0.00066	0.00087	0.00075	0.0064	0.00637	0.0188296	0.000271034	1.031E-09	6.151E-05	0.0007218	0.0001867	0.001045	0.00099787	0.020117
3125	476363.09	3846377.25	0.00105	0.00585	0.00043	0.00064	0.0008	0.00074	0.00588	0.00585	0.01938341	0.000248908	1.031E-09	5.965E-05	0.0006637	0.0001842	0.00096	0.00091641	0.020583
3126	476863.09	3846377.25	0.00104	0.00541	0.00043	0.00067	0.00075	0.00074	0.00547	0.00541	0.01919881	0.000230187	1.031E-09	6.244E-05	0.0006222	0.0001842	0.000893	0.00084748	0.020343
3127	477363.09	3846377.25	0.001	0.00502	0.00043	0.00068	0.00075	0.00073	0.0051	0.00502	0.01846039	0.000213593	1.031E-09	6.337E-05	0.0006222	0.0001817	0.000832	0.00078639	0.019587
3128	477863.09	3846377.25	0.00097	0.00463	0.00043	0.00068	0.00083	0.00072	0.00471	0.00463	0.01790658	0.000196999	1.031E-09	6.337E-05	0.0006886	0.0001792	0.000769	0.0007253	0.019078
3129	478363.09	3846377.25	0.00097	0.00435	0.00043	0.00066	0.00095	0.0007	0.0044	0.00435	0.01790658	0.000185086	1.031E-09	6.151E-05	0.0007882	0.0001742	0.000718	0.00068143	0.019152
3130	478863.09	3846377.25	0.00098	0.00419	0.00044	0.00065	0.00089	0.0007	0.00422	0.00419	0.01809119	0.000178278	1.055E-09	6.058E-05	0.0007384	0.0001742	0.000689	0.00065637	0.019275
3131	479363.09	3846377.25	0.00099	0.004	0.00044	0.00065	0.00076	0.0007	0.00404	0.004	0.01827579	0.000170194	1.055E-09	6.058E-05	0.0006305	0.0001742	0.000659	0.0006266	0.019344

3132	479863.09	3846377.25	0.00102	0.00379	0.00044	0.00065	0.00072	0.00071	0.00383	0.00379	0.0188296	0.000161259	1.055E-09	6.058E-05	0.0005974	0.0001767	0.000625	0.00059371	0.019857
3133	480363.09	3846377.25	0.00108	0.00366	0.00047	0.00064	0.00071	0.00073	0.00369	0.00366	0.01993722	0.000155727	1.127E-09	5.965E-05	0.0005891	0.0001817	0.000602	0.00057334	0.020952
3134	480863.09	3846377.25	0.00109	0.00337	0.00048	0.00064	0.00072	0.00073	0.0034	0.00337	0.02012183	0.000143388	1.151E-09	5.965E-05	0.0005974	0.0001817	0.000555	0.00052791	0.021131
3135	481363.09	3846377.25	0.00109	0.00323	0.00049	0.00065	0.00075	0.00072	0.00326	0.00323	0.02012183	0.000137432	1.175E-09	6.058E-05	0.0006222	0.0001792	0.000532	0.00050598	0.021147
3136	481863.09	3846377.25	0.00105	0.00305	0.00046	0.00064	0.00077	0.00071	0.00309	0.00305	0.01938341	0.000129773	1.103E-09	5.965E-05	0.0006388	0.0001767	0.000504	0.00047779	0.020415
3137	482363.09	3846377.25	0.00098	0.00286	0.00044	0.00063	0.00076	0.0007	0.0029	0.00286	0.01809119	0.000121689	1.055E-09	5.871E-05	0.0006305	0.0001742	0.000473	0.00044802	0.019102
3138	482863.09	3846377.25	0.00094	0.00261	0.00043	0.00061	0.00073	0.00069	0.00265	0.00261	0.01735277	0.000111051	1.031E-09	5.685E-05	0.0006056	0.0001717	0.000433	0.00040886	0.018322
3139	483363.09	3846377.25	0.00096	0.00263	0.00044	0.00062	0.00077	0.0007	0.00266	0.00263	0.01772198	0.000111902	1.055E-09	5.778E-05	0.0006388	0.0001742	0.000434	0.00041199	0.018727
3140	483863.09	3846377.25	0.00097	0.00256	0.00045	0.00062	0.00084	0.00068	0.00259	0.00256	0.01790658	0.000108924	1.079E-09	5.778E-05	0.0006969	0.0001692	0.000423	0.00040103	0.018961
3141	484363.09	3846377.25	0.00094	0.00242	0.00045	0.00061	0.00082	0.00066	0.00245	0.00242	0.01735277	0.000102967	1.079E-09	5.685E-05	0.0006803	0.0001643	0.0004	0.0003791	0.018378
3142	484863.09	3846377.25	0.00095	0.00248	0.00046	0.00062	0.00081	0.00066	0.00251	0.00248	0.01753737	0.00010552	1.103E-09	5.778E-05	0.000672	0.0001643	0.00041	0.0003885	0.018558
3143	485363.09	3846377.25	0.00095	0.00245	0.00045	0.00062	0.00075	0.00066	0.00247	0.00245	0.01753737	0.000104244	1.079E-09	5.778E-05	0.0006222	0.0001643	0.000403	0.0003838	0.018505
3144	485863.09	3846377.25	0.00093	0.00235	0.00045	0.00062	0.00065	0.00064	0.00237	0.00235	0.01716817	9.99889E-05	1.079E-09	5.778E-05	0.0005393	0.0001593	0.000387	0.00036813	0.018043
3145	486363.09	3846377.25	0.0009	0.00217	0.00043	0.00059	0.00064	0.00062	0.00219	0.00217	0.01661435	9.23302E-05	1.031E-09	5.499E-05	0.000531	0.0001543	0.000357	0.00033993	0.017465
3146	486863.09	3846377.25	0.0009	0.0021	0.00043	0.00057	0.00065	0.00062	0.00212	0.0021	0.01661435	8.93518E-05	1.031E-09	5.312E-05	0.0005393	0.0001543	0.000346	0.00032897	0.017467
3147	487363.09	3846377.25	0.00092	0.00211	0.00042	0.00057	0.00066	0.00062	0.00213	0.00211	0.01698356	8.97772E-05	1.007E-09	5.312E-05	0.0005476	0.0001543	0.000348	0.00033053	0.017845
3148	487863.09	3846377.25	0.00095	0.00218	0.00043	0.00059	0.00073	0.00063	0.0022	0.00218	0.01753737	9.27556E-05	1.031E-09	5.499E-05	0.0006056	0.0001568	0.000359	0.0003415	0.018465
3149	488363.09	3846377.25	0.00096	0.00213	0.00043	0.00058	0.00077	0.00063	0.00216	0.00213	0.01772198	9.06282E-05	1.031E-09	5.405E-05	0.0006388	0.0001568	0.000353	0.00033367	0.018681
3150	488863.09	3846377.25	0.00096	0.0021	0.00042	0.00057	0.00073	0.00063	0.00213	0.0021	0.01772198	8.93518E-05	1.007E-09	5.312E-05	0.0006056	0.0001568	0.000348	0.00032897	0.018646
3151	489363.09	3846377.25	0.00096	0.00207	0.00042	0.00057	0.00068	0.00063	0.00209	0.00207	0.01772198	8.80753E-05	1.007E-09	5.312E-05	0.0005642	0.0001568	0.000341	0.00032427	0.018601
3152	489863.09	3846377.25	0.00096	0.002	0.00044	0.00057	0.00066	0.00063	0.00202	0.002	0.01772198	8.50969E-05	1.055E-09	5.312E-05	0.0005476	0.0001568	0.00033	0.0003133	0.018581
3153	490363.09	3846377.25	0.00092	0.00183	0.00043	0.00055	0.00065	0.00061	0.00185	0.00183	0.01698356	7.78637E-05	1.031E-09	5.126E-05	0.0005393	0.0001518	0.000302	0.00028667	0.017819
3154	490863.09	3846377.25	0.00092	0.00175	0.00043	0.00054	0.00068	0.00061	0.00177	0.00175	0.01698356	7.44598E-05	1.031E-09	5.033E-05	0.0005642	0.0001518	0.000289	0.00027414	0.017839
3155	491363.09	3846377.25	0.00093	0.00172	0.00044	0.00055	0.00071	0.00062	0.00174	0.00172	0.01716817	7.31833E-05	1.055E-09	5.126E-05	0.0005891	0.0001543	0.000284	0.00026944	0.018051
3156	491863.09	3846377.25	0.00098	0.00182	0.00046	0.00057	0.00072	0.00064	0.00183	0.00182	0.01809119	7.74382E-05	1.103E-09	5.312E-05	0.0005974	0.0001593	0.000299	0.00028511	0.018992
3157	492363.09	3846377.25	0.00098	0.00177	0.00047	0.00057	0.0007	0.00065	0.00179	0.00177	0.01809119	7.53108E-05	1.127E-09	5.312E-05	0.0005808	0.0001618	0.000292	0.00027727	0.018977
3158	492863.09	3846377.25	0.001	0.00177	0.00047	0.00058	0.0007	0.00066	0.00178	0.00177	0.01846039	7.53108E-05	1.127E-09	5.405E-05	0.0005808	0.0001643	0.000291	0.00027727	0.019348
3159	493363.09	3846377.25	0.00104	0.00183	0.0005	0.0006	0.00071	0.00068	0.00184	0.00183	0.01919881	7.78637E-05	1.199E-09	5.592E-05	0.0005891	0.0001692	0.0003	0.00028667	0.020105
3160	493863.09	3846377.25	0.00108	0.00184	0.00052	0.00062	0.00073	0.00069	0.00186	0.00184	0.01993722	7.82892E-05	1.247E-09	5.778E-05	0.0006056	0.0001717	0.000304	0.00028824	0.020866
3161	494363.09	3846377.25	0.0011	0.00184	0.00053	0.00063	0.00073	0.00071	0.00186	0.00184	0.02030643	7.82892E-05	1.271E-09	5.871E-05	0.0006056	0.0001767	0.000304	0.00028824	0.021241
3162	494863.09	3846377.25	0.00112	0.00185	0.00054	0.00065	0.00073	0.00072	0.00187	0.00185	0.02067564	7.87146E-05	1.295E-09	6.058E-05	0.0006056	0.0001792	0.000305	0.0002898	0.021615
3163	495363.09	3846377.25	0.00115	0.00185	0.00055	0.00067	0.00075	0.00074	0.00187	0.00185	0.02122945	7.87146E-05	1.319E-09	6.244E-05	0.0006222	0.0001842	0.000305	0.0002898	0.022192
3164	495863.09	3846377.25	0.00118	0.00186	0.00057	0.00068	0.0008	0.00076	0.00188	0.00186	0.02178326	7.91401E-05	1.367E-09	6.337E-05	0.0006637	0.0001892	0.000307	0.00029137	0.022794
3165	496363.09	3846377.25	0.00121	0.00187	0.00059	0.00069	0.00085	0.00078	0.00189	0.00187	0.02233708	7.95656E-05	1.415E-09	6.431E-05	0.0007052	0.0001941	0.000309	0.00029294	0.023396
3166	496863.09	3846377.25	0.00124	0.00186	0.00061	0.0007	0.00089	0.0008	0.00189	0.00186	0.02289089	7.91401E-05	1.463E-09	6.524E-05	0.0007384	0.0001991	0.000309	0.00029137	0.02399
3167	497363.09	3846377.25	0.00127	0.00186	0.00064	0.00072	0.00094	0.00082	0.00188	0.00186	0.0234447	7.91401E-05	1.535E-09	6.71E-05	0.0007799	0.0002041	0.000307	0.00029137	0.02459
3168	497863.09	3846377.25	0.0013	0.00185	0.00066	0.00073	0.00098	0.00085	0.00187	0.00185	0.02399851	7.87146E-05	1.583E-09	6.803E-05	0.0008131	0.0002116	0.000305	0.0002898	0.025185
3169	498363.09	3846377.25	0.00133	0.00183	0.00068	0.00075	0.001	0.00087	0.00185	0.00183	0.02455232	7.78637E-05	1.631E-09	6.99E-05	0.0008297	0.0002165	0.000302	0.00028667	0.025762
3170	471363.09	3846877.25	0.00111	0.00932	0.00052	0.00078	0.00099	0.00083	0.00942	0.00932	0.02049104	0.000396552	1.247E-09	7.269E-05	0.0008214	0.0002066	0.001538	0.00145999	0.022066
3171	471863.09	3846877.25	0.00112	0.0198	0.00049	0.00078	0.001	0.00083	0.01997	0.0198	0.02067564	0.000842459	1.175E-09	7.269E-05	0.0008297	0.0002066	0.00326	0.00310169	0.022785
3172	472363.09	3846877.25	0.00113	0.25158	0.00046	0.00076	0.00097	0.00082	0.25299	0.25158	0.02086024	0.010704341	1.103E-09	7.083E-05	0.0008048	0.0002041	0.041295	0.03941031	0.034529
3173	472863.09	3846877.25	0.0011	0.03012	0.00044	0.00068	0.00088	0.00077	0.03032	0.03012	0.02030643	0.00128156	1.055E-09	6.337E-05	0.0007301	0.0001917	0.004949	0.00471833	0.022804
3174	473363.09	3846877.25	0.00112	0.01859	0.00047	0.00069	0.00087	0.00078	0.01872	0.01859	0.02067564	0.000790976	1.127E-09	6.431E-05	0.0007218	0.0001941	0.003056	0.00291215	0.02259
3175	473863.09	3846877.25	0.00113	0.01503	0.0005	0.00071	0.00088	0.00078	0.01514	0.01503	0.02086024	0.000639503	1.199E-09	6.617E-05	0.0007301	0.0001941	0.002471	0.00235447	0.022607
3176	474363.09	3846877.25	0.00112	0.01205	0.0005	0.00074	0.00091	0.00078	0.01216	0.01205	0.02067564	0.000512709	1.199E-09	6.896E-05	0.000755	0.0001941	0.001985	0.00188765	0.022304
3177	474863.09	3846877.25	0.0011	0.01022	0.00048	0.00079	0.00097	0.00079	0.01035	0.01022	0.02030643	0.000434845	1.151E-09	7.362E-05	0.0008048	0.0001966	0.001689	0.00160098	0.021905
3178	475363.09	3846877.25	0.00108	0.00891	0.00046	0.00078	0.00102	0.00077	0.00903	0.00891	0.01993722	0.000379107	1.103E-09	7.269E-05	0.0008462	0.0001917	0.001474	0.00139576	0.021505
3179	475863.09	3846877.25	0.00109	0.00838	0.00046	0.00074	0.001	0.00078	0.00847	0.00838	0.02012183	0.000356556	1.103E-09	6.896E-05	0.0008297	0.0001941	0.001383	0.00131274	0.021641
3180	476363.09	3846877.25	0.00111	0.00767	0.00045	0.0007	0.00092	0.0008	0.00771	0.00767	0.02049104	0.000326347	1.079E-09	6.524E-05	0.0007633	0.0001991	0.001258	0.00120151	0.021902
3181	476863.09	3846877.25	0.00113	0.00694	0.00045	0.00068	0.00084	0.00078	0.00698	0.00694	0.02086024	0.000295286	1.079E-09	6.337E-05	0.0006969	0.0001941	0.001139	0.00108716	0.022162
3182	477363.09	3846877.25	0.00113	0.00636	0.00045	0.00071	0.00079	0.00077	0.00644	0.00636	0.02086024	0.000270608	1.079E-09	6.617E-05	0.0006554	0.0001917	0.001051	0.0009963	0.022099
3183	477863.09	3846877.25	0.00108	0.00578	0.00045	0.00072	0.00079	0.00077	0.00588	0.00578	0.01993722	0.00024593	1.079E-09	6.71E-05	0.0006554	0.0001917	0.00096	0.00090544	0.021152
3184	478363.09	3846877.25	0.00107	0.00537	0.00046	0.00072	0.0009	0.00076	0.00545	0.00537	0.01975262	0.000228485	1.103E-09	6.71E-05	0.0007467	0.0001892	0.00089	0.00084122	0.021032
3185	478863.09	3846877.25	0.00108	0.0051	0.00047	0.0007	0.00103	0.00075	0.00515	0.0051	0.01993722	0.000216997	1.127E-09	6.524E-05	0.0008545	0.0001867	0.000841	0.00079892	0.021302
3186	479363.09	3846877.25	0.00108	0.00478	0.00046	0.00069	0.00092	0.00074	0.00483	0.00478	0.01993722	0.000203382	1.103E-09	6.431E-05	0.0007633	0.0001842	0.000788	0.00074879	0.021192
3187	479863.09	3846877.25	0.00107	0.00425	0.00046	0.00067	0.00078	0.00073	0.00429	0.00425	0.01975262	0.000180831	1.103E-09	6.244E-05	0.0006471	0.0001817	0.0007	0.00066577	0.020859
3188	480363.09	3846877.25	0.0011	0.00388	0.00047	0.00065	0.00075	0.00074	0.00391	0.00388	0.02030643	0.000165088	1.127E-09	6.058E-05	0.0006222	0.0001842	0.000638	0.00060781	0.021369

3189	480863.09	3846877.25	0.00114	0.00365	0.0005	0.00065	0.00074	0.00075	0.00368	0.00365	0.02104485	0.000155302	1.199E-09	6.058E-05	0.0006139	0.0001867	0.000601	0.00057178	0.02209
3190	481363.09	3846877.25	0.00118	0.0036	0.00052	0.00067	0.00076	0.00076	0.00364	0.0036	0.02178326	0.000153174	1.247E-09	6.244E-05	0.0006305	0.0001892	0.000594	0.00056394	0.022849
3191	481863.09	3846877.25	0.00116	0.00346	0.00049	0.00068	0.00079	0.00075	0.0035	0.00346	0.02141406	0.000147218	1.175E-09	6.337E-05	0.0006554	0.0001867	0.000571	0.00054201	0.022496
3192	482363.09	3846877.25	0.00108	0.00319	0.00047	0.00066	0.0008	0.00073	0.00323	0.00319	0.01993722	0.00013573	1.127E-09	6.151E-05	0.0006637	0.0001817	0.000527	0.00049972	0.021007
3193	482863.09	3846877.25	0.00108	0.00308	0.00046	0.00066	0.00078	0.00074	0.00312	0.00308	0.01993722	0.000131049	1.103E-09	6.151E-05	0.0006471	0.0001842	0.000509	0.00048249	0.020988
3194	483363.09	3846877.25	0.00107	0.00299	0.00047	0.00066	0.00078	0.00074	0.00302	0.00299	0.01975262	0.00012722	1.127E-09	6.151E-05	0.0006471	0.0001842	0.000493	0.00046839	0.020797
3195	483863.09	3846877.25	0.00107	0.0029	0.00047	0.00066	0.00086	0.00073	0.00294	0.0029	0.01975262	0.000123391	1.127E-09	6.151E-05	0.0007135	0.0001817	0.00048	0.00045429	0.020858
3196	484363.09	3846877.25	0.00107	0.00286	0.00048	0.00066	0.00092	0.00072	0.00289	0.00286	0.01975262	0.000121689	1.151E-09	6.151E-05	0.0007633	0.0001792	0.000472	0.00044802	0.020902
3197	484863.09	3846877.25	0.00106	0.00277	0.00049	0.00065	0.00087	0.0007	0.0028	0.00277	0.01956802	0.000117859	1.175E-09	6.058E-05	0.0007218	0.0001742	0.000457	0.00043392	0.020666
3198	485363.09	3846877.25	0.00106	0.00273	0.00048	0.00066	0.00082	0.0007	0.00276	0.00273	0.01956802	0.000116157	1.151E-09	6.151E-05	0.0006803	0.0001742	0.000451	0.00042766	0.020623
3199	485863.09	3846877.25	0.00104	0.00263	0.00047	0.00066	0.00071	0.00068	0.00266	0.00263	0.01919881	0.000111902	1.127E-09	6.151E-05	0.0005891	0.0001692	0.000434	0.00041199	0.020153
3200	486363.09	3846877.25	0.00106	0.00264	0.00048	0.00066	0.00068	0.00069	0.00267	0.00264	0.01956802	0.000112328	1.151E-09	6.151E-05	0.0005642	0.0001717	0.000436	0.00041356	0.0205
3201	486863.09	3846877.25	0.00102	0.00244	0.00046	0.00063	0.00069	0.00067	0.00247	0.00244	0.0188296	0.000103818	1.103E-09	5.871E-05	0.0005725	0.0001668	0.000403	0.00038223	0.019752
3202	487363.09	3846877.25	0.00104	0.00243	0.00045	0.00063	0.00072	0.00068	0.00246	0.00243	0.01919881	0.000103393	1.079E-09	5.871E-05	0.0005974	0.0001692	0.000402	0.00038066	0.020148
3203	487863.09	3846877.25	0.00105	0.00239	0.00045	0.00062	0.00076	0.00067	0.00241	0.00239	0.01938341	0.000101691	1.079E-09	5.778E-05	0.0006305	0.0001668	0.000393	0.0003744	0.020359
3204	488363.09	3846877.25	0.00105	0.00232	0.00045	0.00061	0.00081	0.00067	0.00235	0.00232	0.01938341	9.87124E-05	1.079E-09	5.685E-05	0.000672	0.0001668	0.000384	0.00036343	0.020398
3205	488863.09	3846877.25	0.00105	0.00229	0.00045	0.00061	0.00077	0.00067	0.00231	0.00229	0.01938341	9.7436E-05	1.079E-09	5.685E-05	0.0006388	0.0001668	0.000377	0.00035873	0.020362
3206	489363.09	3846877.25	0.00105	0.00226	0.00046	0.00061	0.00071	0.00068	0.00228	0.00226	0.01938341	9.61595E-05	1.103E-09	5.685E-05	0.0005891	0.0001692	0.000372	0.00035403	0.020313
3207	489863.09	3846877.25	0.00105	0.00218	0.00047	0.00061	0.00071	0.00068	0.00221	0.00218	0.01938341	9.27556E-05	1.127E-09	5.685E-05	0.0005891	0.0001692	0.000361	0.0003415	0.020311
3208	490363.09	3846877.25	0.00102	0.00203	0.00047	0.00059	0.0007	0.00067	0.00205	0.00203	0.0188296	8.63734E-05	1.127E-09	5.499E-05	0.0005808	0.0001668	0.000335	0.000318	0.019735
3209	490863.09	3846877.25	0.00102	0.00196	0.00048	0.00059	0.00074	0.00067	0.00198	0.00196	0.0188296	8.3395E-05	1.151E-09	5.499E-05	0.0006139	0.0001668	0.000323	0.00030704	0.019765
3210	491363.09	3846877.25	0.00104	0.00194	0.00049	0.0006	0.00076	0.00067	0.00196	0.00194	0.01919881	8.2544E-05	1.175E-09	5.592E-05	0.0006305	0.0001668	0.00032	0.0003039	0.020151
3211	491863.09	3846877.25	0.00104	0.00187	0.00049	0.0006	0.00074	0.00068	0.00189	0.00187	0.01919881	7.95656E-05	1.175E-09	5.592E-05	0.0006139	0.0001692	0.000309	0.00029294	0.020133
3212	492363.09	3846877.25	0.0011	0.00196	0.00051	0.00063	0.00075	0.00071	0.00198	0.00196	0.02030643	8.3395E-05	1.223E-09	5.871E-05	0.0006222	0.0001767	0.000323	0.00030704	0.021264
3213	492863.09	3846877.25	0.00112	0.00195	0.00052	0.00064	0.00075	0.00072	0.00197	0.00195	0.02067564	8.29695E-05	1.247E-09	5.965E-05	0.0006222	0.0001792	0.000322	0.00030547	0.021636
3214	493363.09	3846877.25	0.00115	0.00195	0.00054	0.00065	0.00076	0.00074	0.00198	0.00195	0.02122945	8.29695E-05	1.295E-09	6.058E-05	0.0006305	0.0001842	0.000323	0.00030547	0.022205
3215	493863.09	3846877.25	0.00117	0.00195	0.00057	0.00067	0.00077	0.00075	0.00197	0.00195	0.02159866	8.29695E-05	1.367E-09	6.244E-05	0.0006388	0.0001867	0.000322	0.00030547	0.022586
3216	494363.09	3846877.25	0.00119	0.00194	0.00058	0.00068	0.00076	0.00076	0.00196	0.00194	0.02196787	8.2544E-05	1.391E-09	6.337E-05	0.0006305	0.0001892	0.00032	0.0003039	0.02295
3217	494863.09	3846877.25	0.00122	0.00193	0.00059	0.0007	0.00077	0.00078	0.00195	0.00193	0.02252168	8.21185E-05	1.415E-09	6.524E-05	0.0006388	0.0001941	0.000318	0.00030234	0.023518
3218	495363.09	3846877.25	0.00124	0.00192	0.0006	0.00071	0.00081	0.0008	0.00194	0.00192	0.02289089	8.1693E-05	1.439E-09	6.617E-05	0.000672	0.0001991	0.000317	0.00030077	0.023926
3219	495863.09	3846877.25	0.00127	0.00191	0.00063	0.00072	0.00087	0.00081	0.00194	0.00191	0.0234447	8.12676E-05	1.511E-09	6.71E-05	0.0007218	0.0002016	0.000317	0.0002992	0.024534
3220	496363.09	3846877.25	0.0013	0.00191	0.00065	0.00073	0.00093	0.00084	0.00193	0.00191	0.02399851	8.12676E-05	1.559E-09	6.803E-05	0.0007716	0.0002091	0.000315	0.0002992	0.025144
3221	496863.09	3846877.25	0.00134	0.00192	0.00067	0.00075	0.00097	0.00087	0.00194	0.00192	0.02473693	8.1693E-05	1.607E-09	6.99E-05	0.0008048	0.0002165	0.000317	0.00030077	0.025926
3222	497363.09	3846877.25	0.00139	0.00193	0.0007	0.00078	0.00102	0.0009	0.00196	0.00193	0.02565995	8.21185E-05	1.679E-09	7.269E-05	0.0008462	0.000224	0.00032	0.00030234	0.026903
3223	497863.09	3846877.25	0.00144	0.00194	0.00073	0.0008	0.00107	0.00093	0.00196	0.00194	0.02658297	8.2544E-05	1.751E-09	7.456E-05	0.0008877	0.0002315	0.00032	0.0003039	0.027875
3224	498363.09	3846877.25	0.00147	0.00191	0.00075	0.00081	0.00107	0.00095	0.00194	0.00191	0.02713678	8.12676E-05	1.799E-09	7.549E-05	0.0008877	0.0002365	0.000317	0.0002992	0.028435
3225	471363.09	3847377.25	0.00121	0.00603	0.00059	0.00082	0.00102	0.00087	0.00608	0.00603	0.02233708	0.000256567	1.415E-09	7.642E-05	0.0008462	0.0002165	0.000992	0.00094461	0.023781
3226	471863.09	3847377.25	0.00122	0.00823	0.00057	0.00083	0.00104	0.00088	0.00831	0.00823	0.02252168	0.000350174	1.367E-09	7.735E-05	0.0008628	0.000219	0.001356	0.00128924	0.024098
3227	472363.09	3847377.25	0.00123	0.01418	0.00053	0.00083	0.00105	0.00088	0.01432	0.01418	0.02270628	0.000603337	1.271E-09	7.735E-05	0.0008711	0.000219	0.002337	0.00222131	0.024593
3228	472863.09	3847377.25	0.00125	0.06355	0.00049	0.00081	0.00104	0.00087	0.06398	0.06355	0.02307549	0.002703954	1.175E-09	7.549E-05	0.0008628	0.0002165	0.010443	0.00995518	0.027423
3229	473363.09	3847377.25	0.00124	0.05848	0.00048	0.00076	0.00096	0.00084	0.05901	0.05848	0.02289089	0.002488234	1.151E-09	7.083E-05	0.0007965	0.0002091	0.009632	0.00916096	0.026927
3230	473863.09	3847377.25	0.00126	0.0275	0.0005	0.00074	0.00092	0.00084	0.02774	0.0275	0.0232601	0.001170083	1.199E-09	6.896E-05	0.0007633	0.0002091	0.004528	0.00430791	0.025692
3231	474363.09	3847377.25	0.00129	0.02017	0.00054	0.00075	0.00092	0.00083	0.02034	0.02017	0.02381391	0.000858202	1.295E-09	6.99E-05	0.0007633	0.0002066	0.00332	0.00315966	0.025872
3232	474863.09	3847377.25	0.00126	0.01491	0.00054	0.00078	0.00095	0.00082	0.01506	0.01491	0.0232601	0.000634398	1.295E-09	7.269E-05	0.0007882	0.0002041	0.002458	0.00233567	0.025082
3233	475363.09	3847377.25	0.00122	0.01186	0.00051	0.00083	0.001	0.00083	0.01201	0.01186	0.02252168	0.000504625	1.223E-09	7.735E-05	0.0008297	0.0002066	0.00196	0.00185788	0.024242
3234	475863.09	3847377.25	0.00121	0.01089	0.0005	0.00084	0.00107	0.00082	0.01104	0.01089	0.02233708	0.000463353	1.199E-09	7.828E-05	0.0008877	0.0002041	0.001802	0.00170593	0.024067
3235	476363.09	3847377.25	0.00121	0.00996	0.00049	0.0008	0.00107	0.00084	0.01007	0.00996	0.02233708	0.000423783	1.175E-09	7.456E-05	0.0008877	0.0002091	0.001644	0.00156025	0.024016
3236	476863.09	3847377.25	0.00123	0.00872	0.00048	0.00074	0.00099	0.00084	0.00877	0.00872	0.02270628	0.000371023	1.151E-09	6.896E-05	0.0008214	0.0002091	0.001432	0.001366	0.024242
3237	477363.09	3847377.25	0.00125	0.00789	0.00048	0.00073	0.0009	0.00083	0.00795	0.00789	0.02307549	0.000335707	1.151E-09	6.803E-05	0.0007467	0.0002066	0.001298	0.00123598	0.024494
3238	477863.09	3847377.25	0.00124	0.00712	0.00048	0.00076	0.00084	0.00082	0.00721	0.00712	0.02289089	0.000302945	1.151E-09	7.083E-05	0.0006969	0.0002041	0.001177	0.00111536	0.024227
3239	478363.09	3847377.25	0.00121	0.00652	0.00048	0.00077	0.00085	0.00081	0.00663	0.00652	0.02233708	0.000277416	1.151E-09	7.176E-05	0.0007052	0.0002016	0.001082	0.00102137	0.023654
3240	478863.09	3847377.25	0.00122	0.00613	0.00049	0.00077	0.00099	0.00081	0.00621	0.00613	0.02252168	0.000260822	1.175E-09	7.176E-05	0.0008214	0.0002016	0.001014	0.00096027	0.023931
3241	479363.09	3847377.25	0.00118	0.00544	0.00048	0.00072	0.00106	0.00078	0.00549	0.00544	0.02178326	0.000231464	1.151E-09	6.71E-05	0.0008794	0.0001941	0.000896	0.00085218	0.023199
3242	479863.09	3847377.25	0.00113	0.00466	0.00047	0.00069	0.00088	0.00075	0.00471	0.00466	0.02086024	0.000198276	1.127E-09	6.431E-05	0.0007301	0.0001867	0.000769	0.00072999	0.022078
3243	480363.09	3847377.25	0.0011	0.00394	0.00048	0.00066	0.0008	0.00074	0.00396	0.00394	0.02030643	0.000167641	1.151E-09	6.151E-05	0.0006637	0.0001842	0.000646	0.00061721	0.021413
3244	480863.09	3847377.25	0.0011	0.00365	0.0005	0.00065	0.00078	0.00074	0.00367	0.00365	0.02030643	0.000155302	1.199E-09	6.058E-05	0.0006471	0.0001842	0.000599	0.00057178	0.021381
3245	481363.09	3847377.25	0.00118	0.0037	0.00052	0.00067	0.00077	0.00076	0.00373	0.0037	0.02178326	0.000157429	1.247E-09	6.244E-05	0.0006388	0.0001892	0.000609	0.00057961	0.02286

3246	481863.09	3847377.25	0.00129	0.00391	0.00053	0.00072	0.00082	0.00079	0.00396	0.00391	0.02381391	0.000166364	1.271E-09	6.71E-05	0.0006803	0.0001966	0.000646	0.00061251	0.024958
3247	482363.09	3847377.25	0.00127	0.00376	0.00052	0.00072	0.00085	0.00079	0.00381	0.00376	0.0234447	0.000159982	1.247E-09	6.71E-05	0.0007052	0.0001966	0.000622	0.00058901	0.024607
3248	482863.09	3847377.25	0.00126	0.00356	0.0005	0.0007	0.00084	0.00079	0.00361	0.00356	0.0232601	0.000151473	1.199E-09	6.524E-05	0.0006969	0.0001966	0.000589	0.00055768	0.024402
3249	483363.09	3847377.25	0.00121	0.00338	0.00049	0.0007	0.00081	0.00078	0.00343	0.00338	0.02233708	0.000143814	1.175E-09	6.524E-05	0.000672	0.0001941	0.00056	0.00052948	0.023443
3250	483863.09	3847377.25	0.00122	0.00329	0.0005	0.0007	0.00087	0.00078	0.00333	0.00329	0.02252168	0.000139984	1.199E-09	6.524E-05	0.0007218	0.0001941	0.000544	0.00051538	0.023671
3251	484363.09	3847377.25	0.00124	0.00328	0.00052	0.00071	0.00096	0.00078	0.00332	0.00328	0.02289089	0.000139559	1.247E-09	6.617E-05	0.0007965	0.0001941	0.000542	0.00051382	0.024115
3252	484863.09	3847377.25	0.00122	0.00316	0.00053	0.00071	0.00098	0.00076	0.0032	0.00316	0.02252168	0.000134453	1.271E-09	6.617E-05	0.0008131	0.0001892	0.000522	0.00049502	0.023752
3253	485363.09	3847377.25	0.00121	0.00308	0.00052	0.0007	0.00094	0.00075	0.00311	0.00308	0.02233708	0.000131049	1.247E-09	6.524E-05	0.0007799	0.0001867	0.000508	0.00048249	0.023525
3254	485863.09	3847377.25	0.0012	0.00303	0.00052	0.00071	0.00082	0.00074	0.00307	0.00303	0.02215247	0.000128922	1.247E-09	6.617E-05	0.0006803	0.0001842	0.000501	0.00047465	0.023239
3255	486363.09	3847377.25	0.0012	0.00299	0.00052	0.00071	0.00073	0.00074	0.00302	0.00299	0.02215247	0.00012722	1.247E-09	6.617E-05	0.0006056	0.0001842	0.000493	0.00046839	0.02316
3256	486863.09	3847377.25	0.00117	0.00279	0.00051	0.00068	0.00073	0.00073	0.00282	0.00279	0.02159866	0.00011871	1.223E-09	6.337E-05	0.0006056	0.0001817	0.00046	0.00043706	0.022591
3257	487363.09	3847377.25	0.00119	0.00276	0.0005	0.00068	0.00076	0.00073	0.00279	0.00276	0.02196787	0.000117434	1.199E-09	6.337E-05	0.0006305	0.0001817	0.000455	0.00043236	0.022984
3258	487863.09	3847377.25	0.00116	0.00263	0.00049	0.00067	0.00081	0.00073	0.00266	0.00263	0.02141406	0.000111902	1.175E-09	6.244E-05	0.000672	0.0001817	0.000434	0.00041199	0.022464
3259	488363.09	3847377.25	0.00117	0.00256	0.00048	0.00066	0.00085	0.00072	0.00258	0.00256	0.02159866	0.000108924	1.151E-09	6.151E-05	0.0007052	0.0001792	0.000421	0.00040103	0.022674
3260	488863.09	3847377.25	0.00117	0.00251	0.00049	0.00066	0.00081	0.00072	0.00253	0.00251	0.02159866	0.000106797	1.175E-09	6.151E-05	0.000672	0.0001792	0.000413	0.00039319	0.022638
3261	489363.09	3847377.25	0.00118	0.00246	0.0005	0.00066	0.00075	0.00073	0.00249	0.00246	0.02178326	0.000104669	1.199E-09	6.151E-05	0.0006222	0.0001817	0.000406	0.00038536	0.022774
3262	489863.09	3847377.25	0.00115	0.00235	0.00051	0.00065	0.00075	0.00073	0.00237	0.00235	0.02122945	9.99889E-05	1.223E-09	6.058E-05	0.0006222	0.0001817	0.000387	0.00036813	0.022213
3263	490363.09	3847377.25	0.00114	0.00224	0.00052	0.00065	0.00077	0.00073	0.00226	0.00224	0.02104485	9.53085E-05	1.247E-09	6.058E-05	0.0006388	0.0001817	0.000369	0.0003509	0.022039
3264	490863.09	3847377.25	0.00115	0.00219	0.00053	0.00065	0.00081	0.00073	0.00222	0.00219	0.02122945	9.31811E-05	1.271E-09	6.058E-05	0.000672	0.0001817	0.000362	0.00034307	0.022256
3265	491363.09	3847377.25	0.00116	0.00214	0.00054	0.00066	0.00083	0.00074	0.00216	0.00214	0.02141406	9.10537E-05	1.295E-09	6.151E-05	0.0006886	0.0001842	0.000353	0.00033523	0.022457
3266	491863.09	3847377.25	0.0012	0.00216	0.00054	0.00068	0.0008	0.00076	0.00218	0.00216	0.02215247	9.19047E-05	1.295E-09	6.337E-05	0.0006637	0.0001892	0.000356	0.00033837	0.023178
3267	492363.09	3847377.25	0.00121	0.0021	0.00055	0.00068	0.00079	0.00077	0.00213	0.0021	0.02233708	8.93518E-05	1.319E-09	6.337E-05	0.0006554	0.0001917	0.000348	0.00032897	0.023356
3268	492863.09	3847377.25	0.00124	0.0021	0.00058	0.0007	0.00079	0.00079	0.00212	0.0021	0.02289089	8.93518E-05	1.391E-09	6.524E-05	0.0006554	0.0001966	0.000346	0.00032897	0.023915
3269	493363.09	3847377.25	0.00126	0.00208	0.0006	0.00071	0.0008	0.0008	0.0021	0.00208	0.0232601	8.85008E-05	1.439E-09	6.617E-05	0.0006637	0.0001991	0.000343	0.00032583	0.024295
3270	493863.09	3847377.25	0.00127	0.00203	0.00062	0.00072	0.0008	0.00081	0.00205	0.00203	0.0234447	8.63734E-05	1.487E-09	6.71E-05	0.0006637	0.0002016	0.000335	0.000318	0.02448
3271	494363.09	3847377.25	0.00128	0.00199	0.00062	0.00073	0.00081	0.00082	0.00201	0.00199	0.0236293	8.46714E-05	1.487E-09	6.803E-05	0.000672	0.0002041	0.000328	0.00031174	0.024674
3272	494863.09	3847377.25	0.0013	0.00196	0.00064	0.00075	0.00084	0.00083	0.00199	0.00196	0.02399851	8.3395E-05	1.535E-09	6.99E-05	0.0006969	0.0002066	0.000325	0.00030704	0.025073
3273	495363.09	3847377.25	0.00133	0.00194	0.00066	0.00076	0.00089	0.00085	0.00197	0.00194	0.02455232	8.2544E-05	1.583E-09	7.083E-05	0.0007384	0.0002116	0.000322	0.0003039	0.025673
3274	495863.09	3847377.25	0.00136	0.00193	0.00069	0.00077	0.00093	0.00088	0.00196	0.00193	0.02510613	8.21185E-05	1.655E-09	7.176E-05	0.0007716	0.000219	0.00032	0.00030234	0.026268
3275	496363.09	3847377.25	0.00139	0.00192	0.00071	0.00079	0.00098	0.0009	0.00195	0.00192	0.02565995	8.1693E-05	1.703E-09	7.362E-05	0.0008131	0.000224	0.000318	0.00030077	0.02687
3276	496863.09	3847377.25	0.00144	0.00194	0.00074	0.00081	0.00105	0.00094	0.00196	0.00194	0.02658297	8.2544E-05	1.775E-09	7.549E-05	0.0008711	0.000234	0.00032	0.0003039	0.027862
3277	497363.09	3847377.25	0.0015	0.00196	0.00078	0.00084	0.0011	0.00098	0.00199	0.00196	0.02769059	8.3395E-05	1.871E-09	7.828E-05	0.0009126	0.0002439	0.000325	0.00030704	0.029027
3278	497863.09	3847377.25	0.00158	0.002	0.00082	0.00087	0.00114	0.00102	0.00203	0.002	0.02916742	8.50969E-05	1.967E-09	8.108E-05	0.0009458	0.0002539	0.000331	0.0003133	0.030551
3279	498363.09	3847377.25	0.00162	0.00199	0.00085	0.0009	0.00113	0.00104	0.00202	0.00199	0.02990584	8.46714E-05	2.039E-09	8.388E-05	0.0009375	0.0002589	0.00033	0.00031174	0.031289
3280	471363.09	3847877.25	0.0013	0.00476	0.00062	0.00083	0.00107	0.00091	0.00479	0.00476	0.02399851	0.000202531	1.487E-09	7.735E-05	0.0008877	0.0002265	0.000782	0.00074566	0.025429
3281	471863.09	3847877.25	0.00132	0.00576	0.00063	0.00086	0.00108	0.00092	0.00581	0.00576	0.02436772	0.000245079	1.511E-09	8.015E-05	0.000896	0.000229	0.000948	0.00090231	0.025864
3282	472363.09	3847877.25	0.00135	0.00755	0.00062	0.00088	0.00109	0.00093	0.00763	0.00755	0.02492153	0.000321241	1.487E-09	8.201E-05	0.0009043	0.0002315	0.001245	0.00118272	0.026523
3283	472863.09	3847877.25	0.00139	0.0112	0.00059	0.00088	0.00111	0.00093	0.01131	0.0112	0.02565995	0.000476543	1.415E-09	8.201E-05	0.0009209	0.0002315	0.001846	0.00175449	0.027463
3284	473363.09	3847877.25	0.00144	0.02218	0.00055	0.00087	0.00111	0.00094	0.02232	0.02218	0.02658297	0.000943725	1.319E-09	8.108E-05	0.0009209	0.000234	0.003643	0.00347452	0.028931
3285	473863.09	3847877.25	0.00152	0.39225	0.00052	0.00085	0.00108	0.00093	0.38905	0.39225	0.0280598	0.016689633	1.247E-09	7.922E-05	0.000896	0.0002315	0.063504	0.06144644	0.048014
3286	474363.09	3847877.25	0.00154	0.04217	0.00053	0.00079	0.001	0.0009	0.04266	0.04217	0.02842901	0.001794268	1.271E-09	7.362E-05	0.0008297	0.000224	0.006963	0.00660598	0.031708
3287	474863.09	3847877.25	0.00154	0.0256	0.00058	0.0008	0.00098	0.00089	0.0258	0.0256	0.02842901	0.001089241	1.391E-09	7.456E-05	0.0008131	0.0002215	0.004211	0.00401027	0.030828
3288	475363.09	3847877.25	0.00145	0.01717	0.00057	0.00081	0.00099	0.00087	0.01732	0.01717	0.02676757	0.000730557	1.367E-09	7.549E-05	0.0008214	0.0002165	0.002827	0.0026897	0.028749
3289	475863.09	3847877.25	0.00137	0.01319	0.00054	0.00086	0.00104	0.00087	0.01334	0.01319	0.02529074	0.000561214	1.295E-09	8.015E-05	0.0008628	0.0002165	0.002177	0.00206623	0.027123
3290	476363.09	3847877.25	0.00138	0.01256	0.00054	0.00091	0.00113	0.00089	0.01272	0.01256	0.02547534	0.000534409	1.295E-09	8.481E-05	0.0009375	0.0002215	0.002076	0.00196754	0.027362
3291	476863.09	3847877.25	0.00138	0.01099	0.00052	0.00086	0.00114	0.00091	0.0111	0.01099	0.02547534	0.000467608	1.247E-09	8.015E-05	0.0009458	0.0002265	0.001812	0.0017216	0.027286
3292	477363.09	3847877.25	0.0014	0.00974	0.00051	0.0008	0.00106	0.00091	0.00979	0.00974	0.02584455	0.000414422	1.223E-09	7.456E-05	0.0008794	0.0002265	0.001598	0.00152578	0.027512
3293	477863.09	3847877.25	0.00143	0.00881	0.00051	0.00079	0.00095	0.00088	0.00888	0.00881	0.02639836	0.000374852	1.223E-09	7.362E-05	0.0007882	0.000219	0.001449	0.0013801	0.027923
3294	478363.09	3847877.25	0.00141	0.00797	0.00051	0.00081	0.00089	0.00087	0.00807	0.00797	0.02602915	0.000339111	1.223E-09	7.549E-05	0.0007384	0.0002165	0.001317	0.00124851	0.027467
3295	478863.09	3847877.25	0.00141	0.00734	0.00051	0.00083	0.00091	0.00087	0.00745	0.00734	0.02602915	0.000312306	1.223E-09	7.735E-05	0.000755	0.0002165	0.001216	0.00114982	0.027457
3296	479363.09	3847877.25	0.00132	0.00615	0.0005	0.00077	0.001	0.00082	0.00622	0.00615	0.02436772	0.000261673	1.199E-09	7.176E-05	0.0008297	0.0002041	0.001015	0.0009634	0.025787
3297	479863.09	3847877.25	0.0012	0.00478	0.00049	0.0007	0.00093	0.00077	0.00482	0.00478	0.02215247	0.000203382	1.175E-09	6.524E-05	0.0007716	0.0001917	0.000787	0.00074879	0.023422
3298	480363.09	3847877.25	0.00126	0.0047	0.0005	0.00071	0.00088	0.00078	0.00474	0.0047	0.0232601	0.000199978	1.199E-09	6.617E-05	0.0007301	0.0001941	0.000774	0.00073626	0.024488
3299	480863.09	3847877.25	0.00127	0.00433	0.00053	0.0007	0.00084	0.00079	0.00436	0.00433	0.0234447	0.000184235	1.271E-09	6.524E-05	0.0006969	0.0001966	0.000712	0.0006783	0.024621
3300	481363.09	3847877.25	0.00133	0.00421	0.00055	0.00071	0.00082	0.00081	0.00424	0.00421	0.02455232	0.000179129	1.319E-09	6.617E-05	0.0006803	0.0002016	0.000692	0.0006595	0.025712
3301	481863.09	3847877.25	0.00151	0.00458	0.00056	0.00077	0.00084	0.00085	0.00464	0.00458	0.02787519	0.000194872	1.343E-09	7.176E-05	0.0006969	0.0002116	0.000757	0.00071746	0.02909
3302	482363.09	3847877.25	0.00147	0.00433	0.00055	0.00077	0.00089	0.00085	0.00439	0.00433	0.02713678	0.000184235	1.319E-09	7.176E-05	0.0007384	0.0002116	0.000717	0.0006783	0.028381

3303	482863.09	3847877.25	0.00142	0.00405	0.00054	0.00075	0.0009	0.00084	0.0041	0.00405	0.02621376	0.000172321	1.295E-09	6.99E-05	0.0007467	0.0002091	0.000669	0.00063444	0.027447
3304	483363.09	3847877.25	0.00142	0.00385	0.00052	0.00074	0.00087	0.00084	0.0039	0.00385	0.02621376	0.000163812	1.247E-09	6.896E-05	0.0007218	0.0002091	0.000637	0.00060311	0.027411
3305	483863.09	3847877.25	0.00144	0.00374	0.00054	0.00075	0.00089	0.00084	0.00379	0.00374	0.02658297	0.000159131	1.295E-09	6.99E-05	0.0007384	0.0002091	0.000619	0.00058588	0.027792
3306	484363.09	3847877.25	0.00145	0.0037	0.00056	0.00076	0.00099	0.00084	0.00375	0.0037	0.02676757	0.000157429	1.343E-09	7.083E-05	0.0008214	0.0002091	0.000612	0.00057961	0.028059
3307	484863.09	3847877.25	0.00143	0.00358	0.00057	0.00076	0.00105	0.00083	0.00363	0.00358	0.02639836	0.000152323	1.367E-09	7.083E-05	0.0008711	0.0002066	0.000593	0.00056081	0.027731
3308	485363.09	3847877.25	0.00142	0.00352	0.00056	0.00077	0.00104	0.00082	0.00356	0.00352	0.02621376	0.000149771	1.343E-09	7.176E-05	0.0008628	0.0002041	0.000581	0.00055141	0.027532
3309	485863.09	3847877.25	0.00141	0.00345	0.00056	0.00077	0.00095	0.00081	0.00349	0.00345	0.02602915	0.000146792	1.343E-09	7.176E-05	0.0007882	0.0002016	0.00057	0.00054045	0.027267
3310	486363.09	3847877.25	0.00136	0.00328	0.00055	0.00076	0.0008	0.00079	0.00332	0.00328	0.02510613	0.000139559	1.319E-09	7.083E-05	0.0006637	0.0001966	0.000542	0.00051382	0.026205
3311	486863.09	3847877.25	0.00133	0.00314	0.00055	0.00074	0.00078	0.00078	0.00318	0.00314	0.02455232	0.000133602	1.319E-09	6.896E-05	0.0006471	0.0001941	0.000519	0.00049188	0.025623
3312	487363.09	3847877.25	0.00133	0.00303	0.00055	0.00073	0.00081	0.00078	0.00307	0.00303	0.02455232	0.000128922	1.319E-09	6.803E-05	0.000672	0.0001941	0.000501	0.00047465	0.025642
3313	487863.09	3847877.25	0.00131	0.00289	0.00052	0.00071	0.00085	0.00078	0.00292	0.00289	0.02418311	0.000122965	1.247E-09	6.617E-05	0.0007052	0.0001941	0.000477	0.00045272	0.025296
3314	488363.09	3847877.25	0.00131	0.0028	0.00052	0.00071	0.0009	0.00079	0.00283	0.0028	0.02418311	0.000119136	1.247E-09	6.617E-05	0.0007467	0.0001966	0.000462	0.00043862	0.025335
3315	488863.09	3847877.25	0.00132	0.00274	0.00053	0.00072	0.00085	0.00079	0.00277	0.00274	0.02436772	0.000116583	1.271E-09	6.71E-05	0.0007052	0.0001966	0.000452	0.00042922	0.025476
3316	489363.09	3847877.25	0.00132	0.00268	0.00055	0.00072	0.0008	0.0008	0.00271	0.00268	0.02436772	0.00011403	1.319E-09	6.71E-05	0.0006637	0.0001991	0.000442	0.00041983	0.025434
3317	489863.09	3847877.25	0.00136	0.00266	0.00058	0.00074	0.00085	0.00081	0.00269	0.00266	0.02510613	0.000113179	1.391E-09	6.896E-05	0.0007052	0.0002016	0.000439	0.00041669	0.026217
3318	490363.09	3847877.25	0.00135	0.00258	0.00059	0.00073	0.00087	0.00082	0.00262	0.00258	0.02492153	0.000109775	1.415E-09	6.803E-05	0.0007218	0.0002041	0.000428	0.00040416	0.026049
3319	490863.09	3847877.25	0.00135	0.00249	0.00059	0.00074	0.00093	0.00083	0.00252	0.00249	0.02492153	0.000105946	1.415E-09	6.896E-05	0.0007716	0.0002066	0.000411	0.00039006	0.026096
3320	491363.09	3847877.25	0.00132	0.00236	0.00058	0.00073	0.00088	0.00083	0.00239	0.00236	0.02436772	0.000100414	1.391E-09	6.803E-05	0.0007301	0.0002066	0.00039	0.0003697	0.025493
3321	491863.09	3847877.25	0.00133	0.00231	0.00059	0.00074	0.00085	0.00083	0.00234	0.00231	0.02455232	9.82869E-05	1.415E-09	6.896E-05	0.0007052	0.0002066	0.000382	0.00036186	0.025651
3322	492363.09	3847877.25	0.00135	0.00227	0.00062	0.00075	0.00085	0.00085	0.0023	0.00227	0.02492153	9.6585E-05	1.487E-09	6.99E-05	0.0007052	0.0002116	0.000375	0.0003556	0.026025
3323	492863.09	3847877.25	0.00136	0.00223	0.00065	0.00076	0.00086	0.00086	0.00225	0.00223	0.02510613	9.48831E-05	1.559E-09	7.083E-05	0.0007135	0.0002141	0.000367	0.00034933	0.026217
3324	493363.09	3847877.25	0.00135	0.00213	0.00066	0.00076	0.00085	0.00086	0.00215	0.00213	0.02492153	9.06282E-05	1.583E-09	7.083E-05	0.0007052	0.0002141	0.000351	0.00033367	0.02602
3325	493863.09	3847877.25	0.00135	0.00206	0.00067	0.00077	0.00085	0.00087	0.00208	0.00206	0.02492153	8.76498E-05	1.607E-09	7.176E-05	0.0007052	0.0002165	0.00034	0.0003227	0.02602
3326	494363.09	3847877.25	0.00137	0.00201	0.00069	0.00078	0.00087	0.00088	0.00204	0.00201	0.02529074	8.55224E-05	1.655E-09	7.269E-05	0.0007218	0.000219	0.000333	0.00031487	0.026408
3327	494863.09	3847877.25	0.0014	0.00199	0.00071	0.0008	0.00092	0.0009	0.00202	0.00199	0.02584455	8.46714E-05	1.703E-09	7.456E-05	0.0007633	0.000224	0.00033	0.00031174	0.027009
3328	495363.09	3847877.25	0.00142	0.00194	0.00073	0.00081	0.00097	0.00092	0.00197	0.00194	0.02621376	8.2544E-05	1.751E-09	7.549E-05	0.0008048	0.000229	0.000322	0.0003039	0.027423
3329	495863.09	3847877.25	0.0014	0.00182	0.00074	0.00081	0.00098	0.00092	0.00184	0.00182	0.02584455	7.74382E-05	1.775E-09	7.549E-05	0.0008131	0.000229	0.0003	0.00028511	0.027055
3330	496363.09	3847877.25	0.0015	0.00192	0.00079	0.00085	0.00104	0.00098	0.00195	0.00192	0.02769059	8.1693E-05	1.895E-09	7.922E-05	0.0008628	0.0002439	0.000318	0.00030077	0.028976
3331	496863.09	3847877.25	0.00155	0.00194	0.00083	0.00088	0.00111	0.00101	0.00197	0.00194	0.02861361	8.2544E-05	1.991E-09	8.201E-05	0.0009209	0.0002514	0.000322	0.0003039	0.029968
3332	497363.09	3847877.25	0.00161	0.00197	0.00087	0.00091	0.00115	0.00105	0.002	0.00197	0.02972123	8.38205E-05	2.087E-09	8.481E-05	0.0009541	0.0002613	0.000326	0.0003086	0.031123
3333	497863.09	3847877.25	0.00173	0.00206	0.00092	0.00096	0.00119	0.00111	0.0021	0.00206	0.03193648	8.76498E-05	2.206E-09	8.947E-05	0.0009873	0.0002763	0.000343	0.0003227	0.033397
3334	498363.09	3847877.25	0.00179	0.00207	0.00094	0.001	0.00119	0.00115	0.00211	0.00207	0.0330441	8.80753E-05	2.254E-09	9.32E-05	0.0009873	0.0002862	0.000344	0.00032427	0.034519
3335	471363.09	3848377.25	0.00138	0.00405	0.00064	0.00085	0.00107	0.00095	0.00408	0.00405	0.02547534	0.000172321	1.535E-09	7.922E-05	0.0008877	0.0002365	0.000666	0.00063444	0.026883
3336	471863.09	3848377.25	0.00142	0.00469	0.00065	0.00087	0.00112	0.00096	0.00472	0.00469	0.02621376	0.000199552	1.559E-09	8.108E-05	0.0009292	0.0002389	0.00077	0.00073469	0.027698
3337	472363.09	3848377.25	0.00147	0.00559	0.00067	0.00089	0.00114	0.00097	0.00563	0.00559	0.02713678	0.000237846	1.607E-09	8.294E-05	0.0009458	0.0002414	0.000919	0.00087568	0.028688
3338	472863.09	3848377.25	0.00153	0.00697	0.00067	0.00093	0.00115	0.00098	0.00703	0.00697	0.0282444	0.000296563	1.607E-09	8.667E-05	0.0009541	0.0002439	0.001147	0.00109186	0.029881
3339	473363.09	3848377.25	0.00163	0.0094	0.00065	0.00094	0.00117	0.00099	0.00949	0.0094	0.03009044	0.000399956	1.559E-09	8.76E-05	0.0009707	0.0002464	0.001549	0.00147252	0.031872
3340	473863.09	3848377.25	0.00189	0.01528	0.0006	0.00094	0.00118	0.001	0.01542	0.01528	0.03489014	0.00065014	1.439E-09	8.76E-05	0.000979	0.0002489	0.002517	0.00239363	0.036979
3341	474363.09	3848377.25	0.00428	0.06776	0.00056	0.00092	0.00117	0.00099	0.06827	0.06776	0.07901048	0.002883083	1.343E-09	8.574E-05	0.0009707	0.0002464	0.011144	0.01061469	0.083725
3342	474863.09	3848377.25	0.00231	0.05458	0.00056	0.00087	0.0011	0.00097	0.055	0.05458	0.04264351	0.002322295	1.343E-09	8.108E-05	0.0009126	0.0002414	0.008978	0.00855002	0.046628
3343	475363.09	3848377.25	0.00195	0.0306	0.00063	0.00086	0.00105	0.00096	0.03081	0.0306	0.03599777	0.001301983	1.511E-09	8.015E-05	0.0008711	0.0002389	0.005029	0.00479353	0.038726
3344	475863.09	3848377.25	0.00176	0.01973	0.00062	0.00086	0.00104	0.00093	0.01987	0.01973	0.03249029	0.000839481	1.487E-09	8.015E-05	0.0008628	0.0002315	0.003243	0.00309073	0.034657
3345	476363.09	3848377.25	0.00165	0.0148	0.00058	0.00091	0.00109	0.00092	0.01496	0.0148	0.03045965	0.000629717	1.391E-09	8.481E-05	0.0009043	0.000229	0.002442	0.00231844	0.032431
3346	476863.09	3848377.25	0.0017	0.01439	0.00058	0.00098	0.00119	0.00096	0.01457	0.01439	0.03138267	0.000612272	1.391E-09	9.133E-05	0.0009873	0.0002389	0.002378	0.00225421	0.033437
3347	477363.09	3848377.25	0.00168	0.01265	0.00056	0.00092	0.00121	0.00098	0.01278	0.01265	0.03101346	0.000538238	1.343E-09	8.574E-05	0.0010039	0.0002439	0.002086	0.00198164	0.03299
3348	477863.09	3848377.25	0.00167	0.01141	0.00055	0.00086	0.00114	0.00097	0.01147	0.01141	0.03082886	0.000485478	1.319E-09	8.015E-05	0.0009458	0.0002414	0.001872	0.00178739	0.032667
3349	478363.09	3848377.25	0.00169	0.01026	0.00055	0.00085	0.00102	0.00093	0.01035	0.01026	0.03119806	0.000436547	1.319E-09	7.922E-05	0.0008462	0.0002315	0.001689	0.00160724	0.032874
3350	478863.09	3848377.25	0.00167	0.00907	0.00054	0.00086	0.00094	0.00091	0.00919	0.00907	0.03082886	0.000385915	1.295E-09	8.015E-05	0.0007799	0.0002265	0.0015	0.00142083	0.032381
3351	479363.09	3848377.25	0.00158	0.00754	0.00053	0.00084	0.00094	0.00088	0.00764	0.00754	0.02916742	0.000320815	1.271E-09	7.828E-05	0.0007799	0.000219	0.001247	0.00118115	0.030631
3352	479863.09	3848377.25	0.0013	0.00472	0.00051	0.0007	0.00089	0.00078	0.00476	0.00472	0.02399851	0.000200829	1.223E-09	6.524E-05	0.0007384	0.0001941	0.000777	0.00073939	0.025235
3353	480363.09	3848377.25	0.00141	0.00529	0.00053	0.00074	0.00097	0.00082	0.00534	0.00529	0.02602915	0.000225081	1.271E-09	6.896E-05	0.0008048	0.0002041	0.000872	0.00082868	0.027375
3354	480863.09	3848377.25	0.00159	0.00578	0.00056	0.00078	0.00094	0.00087	0.00583	0.00578	0.02935202	0.00024593	1.343E-09	7.269E-05	0.0007799	0.0002165	0.000952	0.00090544	0.030713
3355	481363.09	3848377.25	0.00171	0.00552	0.0006	0.0008	0.00088	0.0009	0.00557	0.00552	0.03156727	0.000234867	1.439E-09	7.456E-05	0.0007301	0.000224	0.000909	0.00086471	0.032875
3356	481863.09	3848377.25	0.00179	0.00533	0.00061	0.00083	0.00087	0.00091	0.0054	0.00533	0.0330441	0.000226783	1.463E-09	7.735E-05	0.0007218	0.0002265	0.000881	0.00083495	0.034343
3357	482363.09	3848377.25	0.00177	0.0051	0.0006	0.00084	0.00093	0.00092	0.00518	0.0051	0.0326749	0.000216997	1.439E-09	7.828E-05	0.0007716	0.000229	0.000846	0.00079892	0.034017
3358	482863.09	3848377.25	0.00168	0.00469	0.00059	0.00082	0.00096	0.00091	0.00476	0.00469	0.03101346	0.000199552	1.415E-09	7.642E-05	0.0007965	0.0002265	0.000777	0.00073469	0.032355
3359	483363.09	3848377.25	0.00167	0.00446	0.00056	0.00081	0.00097	0.00091	0.00453	0.00446	0.03082886	0.000189766	1.343E-09	7.549E-05	0.0008048	0.0002265	0.000739	0.00069866	0.032166

3360	483863.09	3848377.25	0.00164	0.00418	0.00057	0.0008	0.00092	0.00089	0.00424	0.00418
3361	484363.09	3848377.25	0.00165	0.00407	0.00059	0.00081	0.001	0.00089	0.00413	0.00407
3362	484863.09	3848377.25	0.00168	0.00407	0.00063	0.00083	0.00111	0.00091	0.00412	0.00407
3363	485363.09	3848377.25	0.00165	0.00393	0.0006	0.00083	0.00114	0.00088	0.00398	0.00393
3364	485863.09	3848377.25	0.00161	0.00382	0.00059	0.00083	0.00107	0.00087	0.00386	0.00382
3365	486363.09	3848377.25	0.00156	0.00365	0.0006	0.00082	0.00089	0.00085	0.00369	0.00365
3366	486863.09	3848377.25	0.00152	0.00347	0.0006	0.0008	0.00083	0.00084	0.00351	0.00347
3367	487363.09	3848377.25	0.00146	0.00326	0.00059	0.00078	0.00086	0.00084	0.0033	0.00326
3368	487863.09	3848377.25	0.00146	0.00316	0.00056	0.00077	0.00091	0.00085	0.0032	0.00316
3369	488363.09	3848377.25	0.00147	0.00306	0.00056	0.00078	0.00095	0.00086	0.0031	0.00306
3370	488863.09	3848377.25	0.00148	0.00297	0.00058	0.00079	0.0009	0.00087	0.00301	0.00297
3371	489363.09	3848377.25	0.0015	0.00291	0.00062	0.00081	0.00088	0.00088	0.00295	0.00291
3372	489863.09	3848377.25	0.00153	0.00289	0.00063	0.00082	0.00091	0.00089	0.00293	0.00289
3373	490363.09	3848377.25	0.00154	0.0028	0.00064	0.00081	0.00097	0.0009	0.00284	0.0028
3374	490863.09	3848377.25	0.00151	0.00267	0.00064	0.00081	0.001	0.00091	0.00271	0.00267
3375	491363.09	3848377.25	0.0015	0.00256	0.00065	0.00081	0.00095	0.00091	0.00259	0.00256
3376	491863.09	3848377.25	0.0015	0.00248	0.00067	0.00081	0.00092	0.00092	0.00251	0.00248
3377	492363.09	3848377.25	0.00147	0.00235	0.00069	0.00081	0.00091	0.00092	0.00238	0.00235
3378	492863.09	3848377.25	0.00144	0.00222	0.00071	0.00081	0.00089	0.00091	0.00225	0.00222
3379	493363.09	3848377.25	0.00145	0.00215	0.00073	0.00082	0.00089	0.00092	0.00218	0.00215
3380	493863.09	3848377.25	0.00146	0.00207	0.00074	0.00083	0.00091	0.00094	0.0021	0.00207
3381	494363.09	3848377.25	0.00147	0.00201	0.00075	0.00084	0.00096	0.00096	0.00204	0.00201
3382	494863.09	3848377.25	0.00151	0.00199	0.00078	0.00087	0.00101	0.00099	0.00203	0.00199
3383	495363.09	3848377.25	0.00151	0.0019	0.0008	0.00087	0.00104	0.00099	0.00193	0.0019
3384	495863.09	3848377.25	0.00153	0.00186	0.00083	0.00089	0.00107	0.00101	0.0019	0.00186
3385	496363.09	3848377.25	0.00159	0.0019	0.00089	0.00092	0.00112	0.00106	0.00193	0.0019
3386	496863.09	3848377.25	0.00162	0.00185	0.00091	0.00094	0.00114	0.00108	0.00189	0.00185
3387	497363.09	3848377.25	0.00171	0.00192	0.00096	0.00098	0.00118	0.00113	0.00196	0.00192
3388	497863.09	3848377.25	0.00192	0.00214	0.00101	0.00107	0.00126	0.00123	0.00218	0.00214
3389	498363.09	3848377.25	0.00196	0.00213	0.00103	0.00111	0.00129	0.00126	0.00217	0.00213
3390	471363.09	3848877.25	0.00142	0.00355	0.00066	0.0009	0.00103	0.00099	0.00358	0.00355
3391	471863.09	3848877.25	0.00147	0.00395	0.00068	0.00091	0.00108	0.001	0.00398	0.00395
3392	472363.09	3848877.25	0.00153	0.00448	0.0007	0.00091	0.00115	0.00102	0.00451	0.00448
3393	472863.09	3848877.25	0.0016	0.00527	0.00071	0.00093	0.0012	0.00103	0.0053	0.00527
3394	473363.09	3848877.25	0.00169	0.00644	0.00073	0.00097	0.00122	0.00104	0.00649	0.00644
3395	473863.09	3848877.25	0.00187	0.00853	0.00072	0.001	0.00124	0.00106	0.00862	0.00853
3396	474363.09	3848877.25	0.0023	0.01324	0.00067	0.00102	0.00126	0.00107	0.01338	0.01324
3397	474863.09	3848877.25	0.0052	0.04273	0.00061	0.00099	0.00126	0.00106	0.04312	0.04273
3398	475363.09	3848877.25	0.0054	0.09208	0.00061	0.00096	0.00122	0.00106	0.09281	0.09208
3399	475863.09	3848877.25	0.00345	0.04496	0.00067	0.00094	0.00115	0.00105	0.04532	0.04496
3400	476363.09	3848877.25	0.00283	0.0315	0.00069	0.00092	0.00111	0.001	0.03174	0.0315
3401	476863.09	3848877.25	0.00252	0.02391	0.00064	0.00096	0.00114	0.00099	0.02414	0.02391
3402	477363.09	3848877.25	0.00238	0.02163	0.00063	0.00106	0.00125	0.00104	0.02188	0.02163
3403	477863.09	3848877.25	0.00224	0.01765	0.0006	0.001	0.0013	0.00107	0.01782	0.01765
3404	478363.09	3848877.25	0.00219	0.01493	0.00059	0.00093	0.00123	0.00104	0.01501	0.01493
3405	478863.09	3848877.25	0.00218	0.0125	0.00058	0.00092	0.0011	0.001	0.01261	0.0125
3406	479363.09	3848877.25	0.0021	0.01027	0.00057	0.00091	0.001	0.00097	0.0104	0.01027
3407	479863.09	3848877.25	0.00199	0.00853	0.00057	0.0009	0.00102	0.00095	0.00864	0.00853
3408	480363.09	3848877.25	0.00202	0.00797	0.00058	0.00089	0.00121	0.00095	0.00806	0.00797
3409	480863.09	3848877.25	0.00211	0.00751	0.00061	0.0009	0.00123	0.00098	0.00757	0.00751
3410	481363.09	3848877.25	0.0022	0.00688	0.00068	0.00089	0.00101	0.001	0.00694	0.00688
3411	481863.09	3848877.25	0.00219	0.00615	0.00067	0.00089	0.00094	0.00098	0.00622	0.00615
3412	482363.09	3848877.25	0.002	0.00545	0.00063	0.00088	0.00093	0.00095	0.00552	0.00545
3413	482863.09	3848877.25	0.00186	0.00491	0.00062	0.00085	0.00096	0.00094	0.00497	0.00491
3414	483363.09	3848877.25	0.00179	0.0045	0.00059	0.00083	0.00098	0.00093	0.00456	0.0045
3415	483863.09	3848877.25	0.00174	0.00431	0.0006	0.00083	0.00098	0.00093	0.00436	0.00431
3416	484363.09	3848877.25	0.00187	0.00446	0.00064	0.00086	0.00102	0.00096	0.00452	0.00446

0.03027504	0.000177853	1.367E-09	7.456E-05	0.0007633	0.0002215	0.000692	0.0006548	0.03155
0.03045965	0.000173172	1.415E-09	7.549E-05	0.0008297	0.0002215	0.000674	0.00063757	0.031796
0.03101346	0.000173172	1.511E-09	7.735E-05	0.0009209	0.0002265	0.000673	0.00063757	0.032446
0.03045965	0.000167215	1.439E-09	7.735E-05	0.0009458	0.000219	0.00065	0.00061564	0.031903
0.02972123	0.000162535	1.415E-09	7.735E-05	0.0008877	0.0002165	0.00063	0.00059841	0.031097
0.02879821	0.000155302	1.439E-09	7.642E-05	0.0007384	0.0002116	0.000602	0.00057178	0.03001
0.0280598	0.000147643	1.439E-09	7.456E-05	0.0006886	0.0002091	0.000573	0.00054358	0.029209
0.02695217	0.000138708	1.415E-09	7.269E-05	0.0007135	0.0002091	0.000539	0.00051068	0.028114
0.02695217	0.000134453	1.343E-09	7.176E-05	0.000755	0.0002116	0.000522	0.00049502	0.028152
0.02713678	0.000130198	1.343E-09	7.269E-05	0.0007882	0.0002141	0.000506	0.00047935	0.028369
0.02732138	0.000126369	1.391E-09	7.362E-05	0.0007467	0.0002165	0.000491	0.00046525	0.028511
0.02769059	0.000123816	1.487E-09	7.549E-05	0.0007301	0.000219	0.000482	0.00045586	0.028865
0.0282444	0.000122965	1.511E-09	7.642E-05	0.000755	0.0002215	0.000478	0.00045272	0.029446
0.02842901	0.000119136	1.535E-09	7.549E-05	0.0008048	0.000224	0.000464	0.00043862	0.029677
0.02787519	0.000113604	1.535E-09	7.549E-05	0.0008297	0.0002265	0.000442	0.00041826	0.029145
0.02769059	0.000108924	1.559E-09	7.549E-05	0.0007882	0.0002265	0.000423	0.00040103	0.028911
0.02769059	0.00010552	1.607E-09	7.549E-05	0.0007633	0.000229	0.00041	0.0003885	0.028885
0.02713678	9.99889E-05	1.655E-09	7.549E-05	0.000755	0.000229	0.000388	0.00036813	0.028317
0.02658297	9.44576E-05	1.703E-09	7.549E-05	0.0007384	0.0002265	0.000367	0.00034777	0.027737
0.02676757	9.14792E-05	1.751E-09	7.642E-05	0.0007384	0.000229	0.000356	0.0003368	0.027922
0.02695217	8.80753E-05	1.775E-09	7.735E-05	0.000755	0.000234	0.000343	0.00032427	0.028125
0.02713678	8.55224E-05	1.799E-09	7.828E-05	0.0007965	0.0002389	0.000333	0.00031487	0.028354
0.02787519	8.46714E-05	1.871E-09	8.108E-05	0.000838	0.0002464	0.000331	0.00031174	0.029145
0.02787519	8.08421E-05	1.919E-09	8.108E-05	0.0008628	0.0002464	0.000315	0.00029764	0.029164
0.0282444	7.91401E-05	1.991E-09	8.294E-05	0.0008877	0.0002514	0.00031	0.00029137	0.029564
0.02935202	8.08421E-05	2.135E-09	8.574E-05	0.0009292	0.0002638	0.000315	0.00029764	0.030729
0.02990584	7.87146E-05	2.182E-09	8.76E-05	0.0009458	0.0002688	0.000309	0.0002898	0.031305
0.03156727	8.1693E-05	2.302E-09	9.133E-05	0.000979	0.0002813	0.00032	0.00030077	0.03302
0.03544395	9.10537E-05	2.422E-09	9.972E-05	0.0010454	0.0003061	0.000356	0.00033523	0.037007
0.03618237	9.06282E-05	2.47E-09	0.0001034	0.0010703	0.0003136	0.000354	0.00033367	0.037781
0.02621376	0.000151047	1.583E-09	8.388E-05	0.0008545	0.0002464	0.000584	0.00055611	0.027578
0.02713678	0.000168066	1.631E-09	8.481E-05	0.000896	0.0002489	0.00065	0.00061877	0.028565
0.0282444	0.000190617	1.679E-09	8.481E-05	0.0009541	0.0002539	0.000736	0.0007018	0.029762
0.02953663	0.00022423	1.703E-09	8.667E-05	0.0009956	0.0002564	0.000865	0.00082555	0.031139
0.03119806	0.000274012	1.751E-09	9.04E-05	0.0010122	0.0002589	0.001059	0.00100883	0.032884
0.03452093	0.000362938	1.727E-09	9.32E-05	0.0010288	0.0002638	0.001407	0.00133623	0.03634
0.0424589	0.000563342	1.607E-09	9.506E-05	0.0010454	0.0002663	0.002184	0.00207406	0.044539
0.09599404	0.001818096	1.463E-09	9.226E-05	0.0010454	0.0002638	0.007038	0.00669371	0.099558
0.09968612	0.003917862	1.463E-09	8.947E-05	0.0010122	0.0002638	0.015149	0.01442444	0.105694
0.06368836	0.001912979	1.607E-09	8.76E-05	0.0009541	0.0002613	0.007398	0.00704304	0.067259
0.05224291	0.001340276	1.655E-09	8.574E-05	0.0009209	0.0002489	0.005181	0.00493451	0.055085
0.04652019	0.001017334	1.535E-09	8.947E-05	0.0009458	0.0002464	0.00394	0.00374553	0.049014
0.04393574	0.000920323	1.511E-09	9.879E-05	0.0010371	0.0002589	0.003571	0.00338837	0.046434
0.04135128	0.00075098	1.439E-09	9.32E-05	0.0010786	0.0002663	0.002909	0.00276489	0.043684
0.04042826	0.000635248	1.415E-09	8.667E-05	0.0010205	0.0002589	0.00245	0.0023388	0.042541
0.04024366	0.000531856	1.391E-09	8.574E-05	0.0009126	0.0002489	0.002058	0.00195814	0.042123
0.03876683	0.000436973	1.367E-09	8.481E-05	0.0008297	0.0002414	0.001698	0.00160881	0.040448
0.03673618	0.000362938	1.367E-09	8.388E-05	0.0008462	0.0002365	0.00141	0.00133623	0.03834
0.03728999	0.000339111	1.391E-09	8.294E-05	0.0010039	0.0002365	0.001316	0.00124851	0.039019
0.03895143	0.000319539	1.463E-09	8.388E-05	0.0010205	0.0002439	0.001236	0.00117645	0.040678
0.04061286	0.000292733	1.631E-09	8.294E-05	0.000838	0.0002489	0.001133	0.00107776	0.04213
0.04042826	0.000261673	1.607E-09	8.294E-05	0.0007799	0.0002439	0.001015	0.0009634	0.041849
0.03692079	0.000231889	1.511E-09	8.201E-05	0.0007716	0.0002365	0.000901	0.00085375	0.03829
0.03433633	0.000208913	1.487E-09	7.922E-05	0.0007965	0.000234	0.000811	0.00076916	0.035697
0.0330441	0.000191468	1.415E-09	7.735E-05	0.0008131	0.0002315	0.000744	0.00070493	0.034397
0.03212108	0.000183384	1.439E-09	7.735E-05	0.0008131	0.0002315	0.000712	0.00067517	0.033463
0.03452093	0.000189766	1.535E-09	8.015E-05	0.0008462	0.0002389	0.000738	0.00069866	0.035915

3417	484863.09	3848877.25	0.00196	0.00455	0.00068	0.00091	0.00124	0.00099	0.00462	0.00455	0.03618237	0.000193595	1.631E-09	8.481E-05	0.0010288	0.0002464	0.000754	0.00071276	0.037777
3418	485363.09	3848877.25	0.00191	0.00437	0.00066	0.00091	0.0013	0.00097	0.00443	0.00437	0.03525935	0.000185937	1.583E-09	8.481E-05	0.0010786	0.0002414	0.000723	0.00068457	0.036889
3419	485863.09	3848877.25	0.00186	0.0042	0.00063	0.0009	0.00122	0.00095	0.00426	0.0042	0.03433633	0.000178704	1.511E-09	8.388E-05	0.0010122	0.0002365	0.000695	0.00065794	0.035885
3420	486363.09	3848877.25	0.00177	0.00396	0.00065	0.00088	0.00099	0.00092	0.00401	0.00396	0.0326749	0.000168492	1.559E-09	8.201E-05	0.0008214	0.000229	0.000655	0.00062034	0.03401
3421	486863.09	3848877.25	0.00168	0.00371	0.00065	0.00086	0.00089	0.00091	0.00376	0.00371	0.03101346	0.000157855	1.559E-09	8.015E-05	0.0007384	0.0002265	0.000614	0.00058118	0.032249
3422	487363.09	3848877.25	0.00168	0.00361	0.00063	0.00086	0.00092	0.00092	0.00366	0.00361	0.03101346	0.0001536	1.511E-09	8.015E-05	0.0007633	0.000229	0.000597	0.00056551	0.032271
3423	487863.09	3848877.25	0.00165	0.00346	0.00061	0.00085	0.00097	0.00094	0.0035	0.00346	0.03045965	0.000147218	1.463E-09	7.922E-05	0.0008048	0.000234	0.000571	0.00054201	0.031754
3424	488363.09	3848877.25	0.00166	0.00334	0.00063	0.00086	0.00101	0.00095	0.00339	0.00334	0.03064425	0.000142112	1.511E-09	8.015E-05	0.000838	0.0002365	0.000553	0.00052322	0.031971
3425	488863.09	3848877.25	0.00166	0.00322	0.00067	0.00088	0.00095	0.00096	0.00327	0.00322	0.03064425	0.000137006	1.607E-09	8.201E-05	0.0007882	0.0002389	0.000534	0.00050442	0.03192
3426	489363.09	3848877.25	0.00167	0.00315	0.00069	0.00089	0.00094	0.00097	0.0032	0.00315	0.03082886	0.000134028	1.655E-09	8.294E-05	0.0007799	0.0002414	0.000522	0.00049345	0.032096
3427	489863.09	3848877.25	0.0017	0.00309	0.0007	0.0009	0.00099	0.00098	0.00314	0.00309	0.03138267	0.000131475	1.679E-09	8.388E-05	0.0008214	0.0002439	0.000513	0.00048405	0.032692
3428	490363.09	3848877.25	0.00169	0.00294	0.00069	0.00088	0.00105	0.00098	0.00299	0.00294	0.03119806	0.000125092	1.655E-09	8.201E-05	0.0008711	0.0002439	0.000488	0.00046055	0.032548
3429	490863.09	3848877.25	0.00167	0.0028	0.0007	0.00088	0.00106	0.00099	0.00284	0.0028	0.03082886	0.000119136	1.679E-09	8.201E-05	0.0008794	0.0002464	0.000464	0.00043862	0.032181
3430	491363.09	3848877.25	0.00166	0.00269	0.00074	0.00089	0.00099	0.001	0.00273	0.00269	0.03064425	0.000114455	1.775E-09	8.294E-05	0.0008214	0.0002489	0.000446	0.00042139	0.031936
3431	491863.09	3848877.25	0.00162	0.00253	0.00075	0.00088	0.00096	0.001	0.00257	0.00253	0.02990584	0.000107648	1.799E-09	8.201E-05	0.0007965	0.0002489	0.000419	0.00039633	0.031164
3432	492363.09	3848877.25	0.00158	0.00238	0.00078	0.00088	0.00094	0.00099	0.00242	0.00238	0.02916742	0.000101265	1.871E-09	8.201E-05	0.0007799	0.0002464	0.000395	0.00037283	0.030399
3433	492863.09	3848877.25	0.00155	0.00222	0.00079	0.00088	0.00094	0.00099	0.00225	0.00222	0.02861361	9.44576E-05	1.895E-09	8.201E-05	0.0007799	0.0002464	0.000367	0.00034777	0.029836
3434	493363.09	3848877.25	0.00152	0.00207	0.00079	0.00088	0.00094	0.00099	0.0021	0.00207	0.0280598	8.80753E-05	1.895E-09	8.201E-05	0.0007799	0.0002464	0.000343	0.00032427	0.029275
3435	493863.09	3848877.25	0.00156	0.00205	0.00082	0.0009	0.00099	0.00102	0.00208	0.00205	0.02879821	8.72243E-05	1.967E-09	8.388E-05	0.0008214	0.0002539	0.00034	0.00032113	0.030063
3436	494363.09	3848877.25	0.00159	0.002	0.00084	0.00092	0.00105	0.00105	0.00203	0.002	0.02935202	8.50969E-05	2.015E-09	8.574E-05	0.0008711	0.0002613	0.000331	0.0003133	0.030673
3437	494863.09	3848877.25	0.00163	0.002	0.00088	0.00095	0.00111	0.00108	0.00204	0.002	0.03009044	8.50969E-05	2.111E-09	8.854E-05	0.0009209	0.0002688	0.000333	0.0003133	0.031473
3438	495363.09	3848877.25	0.00168	0.00198	0.00093	0.00097	0.00115	0.00111	0.00202	0.00198	0.03101346	8.42459E-05	2.23E-09	9.04E-05	0.0009541	0.0002763	0.00033	0.00031017	0.032438
3439	495863.09	3848877.25	0.00167	0.00188	0.00095	0.00097	0.00116	0.00111	0.00191	0.00188	0.03082886	7.99911E-05	2.278E-09	9.04E-05	0.0009624	0.0002763	0.000312	0.0002945	0.032255
3440	496363.09	3848877.25	0.00171	0.00186	0.00098	0.001	0.00119	0.00114	0.0019	0.00186	0.03156727	7.91401E-05	2.35E-09	9.32E-05	0.0009873	0.0002837	0.00031	0.00029137	0.033029
3441	496863.09	3848877.25	0.0018	0.00193	0.00103	0.00104	0.00124	0.0012	0.00197	0.00193	0.03322871	8.21185E-05	2.47E-09	9.692E-05	0.0010288	0.0002987	0.000322	0.00030234	0.034754
3442	497363.09	3848877.25	0.00197	0.00211	0.00108	0.00112	0.0013	0.00129	0.00215	0.00211	0.03636697	8.97772E-05	2.59E-09	0.0001044	0.0010786	0.0003211	0.000351	0.00033053	0.037981
3443	497863.09	3848877.25	0.00208	0.00216	0.00112	0.00118	0.00137	0.00134	0.00221	0.00216	0.03839762	9.19047E-05	2.686E-09	0.00011	0.0011366	0.0003335	0.000361	0.00033837	0.040092
3444	498363.09	3848877.25	0.00216	0.00219	0.00115	0.00124	0.00145	0.00139	0.00224	0.00219	0.03987445	9.31811E-05	2.758E-09	0.0001156	0.001203	0.000346	0.000366	0.00034307	0.041655
3445	471363.09	3849377.25	0.00146	0.00311	0.00067	0.00093	0.00109	0.00103	0.00314	0.00311	0.02695217	0.000132326	1.607E-09	8.667E-05	0.0009043	0.0002564	0.000513	0.00048719	0.028357
3446	471863.09	3849377.25	0.00151	0.00344	0.0007	0.00096	0.00108	0.00105	0.00348	0.00344	0.02787519	0.000146367	1.679E-09	8.947E-05	0.000896	0.0002613	0.000568	0.00053888	0.029298
3447	472363.09	3849377.25	0.00157	0.00382	0.00072	0.00097	0.00111	0.00107	0.00386	0.00382	0.02898282	0.000162535	1.727E-09	9.04E-05	0.0009209	0.0002663	0.00063	0.00059841	0.030455
3448	472863.09	3849377.25	0.00164	0.00431	0.00075	0.00098	0.00117	0.00109	0.00434	0.00431	0.03027504	0.000183384	1.799E-09	9.133E-05	0.0009707	0.0002713	0.000708	0.00067517	0.031825
3449	473363.09	3849377.25	0.00173	0.00504	0.00077	0.00099	0.00123	0.0011	0.00507	0.00504	0.03193648	0.000214444	1.847E-09	9.226E-05	0.0010205	0.0002738	0.000828	0.00078952	0.033575
3450	473863.09	3849377.25	0.00184	0.00611	0.00079	0.00101	0.00129	0.00111	0.00615	0.00611	0.03396712	0.000259971	1.895E-09	9.413E-05	0.0010703	0.0002763	0.001004	0.00095714	0.035714
3451	474363.09	3849377.25	0.002	0.00775	0.00079	0.00105	0.00132	0.00112	0.00782	0.00775	0.03692079	0.000329751	1.895E-09	9.786E-05	0.0010951	0.0002788	0.001276	0.00121405	0.038785
3452	474863.09	3849377.25	0.00226	0.01071	0.00076	0.00109	0.00134	0.00115	0.01083	0.01071	0.04172049	0.000455694	1.823E-09	0.0001016	0.0011117	0.0002862	0.001768	0.00167773	0.043766
3453	475363.09	3849377.25	0.00283	0.01747	0.00069	0.00109	0.00135	0.00115	0.01765	0.01747	0.05224291	0.000743322	1.655E-09	0.0001016	0.00112	0.0002862	0.002881	0.0027367	0.054638
3454	475863.09	3849377.25	0.00476	0.03021	0.00068	0.00107	0.00133	0.00117	0.03045	0.03021	0.08787147	0.001285389	1.631E-09	9.972E-05	0.0011034	0.0002912	0.00497	0.00473243	0.090889
3455	476363.09	3849377.25	0.00949	0.06605	0.00074	0.00105	0.00128	0.00117	0.0664	0.06605	0.17518913	0.002810326	1.775E-09	9.786E-05	0.001062	0.0002912	0.010838	0.01034681	0.179942
3456	476863.09	3849377.25	0.01441	0.1828	0.00077	0.00102	0.00122	0.00111	0.1849	0.1828	0.26601426	0.007777858	1.847E-09	9.506E-05	0.0010122	0.0002763	0.030181	0.02863584	0.276721
3457	477363.09	3849377.25	0.00568	0.05254	0.00072	0.00105	0.00122	0.00108	0.05296	0.05254	0.10485503	0.002235496	1.727E-09	9.786E-05	0.0010122	0.0002688	0.008645	0.00823045	0.108884
3458	477863.09	3849377.25	0.00409	0.03152	0.00067	0.00113	0.0013	0.00112	0.03182	0.03152	0.07550301	0.001341127	1.607E-09	0.0001053	0.0010786	0.0002788	0.005194	0.00493765	0.078563
3459	478363.09	3849377.25	0.00362	0.02321	0.00065	0.0011	0.00138	0.00118	0.02339	0.02321	0.06682662	0.00098755	1.559E-09	0.0001025	0.0011449	0.0002937	0.003818	0.00363587	0.069537
3460	478863.09	3849377.25	0.00349	0.01754	0.00064	0.001	0.00133	0.0011	0.01764	0.01754	0.06442677	0.0007463	1.535E-09	9.32E-05	0.0011034	0.0002738	0.002879	0.00274766	0.066775
3461	479363.09	3849377.25	0.00336	0.01434	0.00063	0.001	0.00118	0.00107	0.01446	0.01434	0.06202692	0.000610145	1.511E-09	9.32E-05	0.000979	0.0002663	0.00236	0.00224638	0.064089
3462	479863.09	3849377.25	0.00303	0.01127	0.00062	0.00098	0.00107	0.00104	0.01141	0.01127	0.05593499	0.000479521	1.487E-09	9.133E-05	0.0008877	0.0002589	0.001862	0.00176546	0.057749
3463	480363.09	3849377.25	0.00304	0.01068	0.00064	0.00103	0.00115	0.00108	0.0108	0.01068	0.05611959	0.000454418	1.535E-09	9.599E-05	0.0009541	0.0002688	0.001763	0.00167304	0.057983
3464	480863.09	3849377.25	0.00287	0.00939	0.00065	0.00102	0.0014	0.00108	0.00949	0.00939	0.05298133	0.00039953	1.559E-09	9.506E-05	0.0011615	0.0002688	0.001549	0.00147095	0.054984
3465	481363.09	3849377.25	0.00274	0.00804	0.00071	0.00096	0.00127	0.00107	0.00809	0.00804	0.05058148	0.00034209	1.703E-09	8.947E-05	0.0010537	0.0002663	0.001321	0.00125948	0.052394
3466	481863.09	3849377.25	0.00249	0.00659	0.00071	0.00092	0.00103	0.00103	0.00665	0.00659	0.04596638	0.000280394	1.703E-09	8.574E-05	0.0008545	0.0002564	0.001085	0.00103233	0.047497
3467	482363.09	3849377.25	0.0023	0.00588	0.00067	0.00093	0.00099	0.00101	0.00594	0.00588	0.0424589	0.000250185	1.607E-09	8.667E-05	0.0008214	0.0002514	0.00097	0.00092111	0.043917
3468	482863.09	3849377.25	0.00209	0.00518	0.00067	0.00089	0.00099	0.00099	0.00524	0.00518	0.03858222	0.000220401	1.607E-09	8.294E-05	0.0008214	0.0002464	0.000855	0.00081145	0.039997
3469	483363.09	3849377.25	0.00196	0.00476	0.00063	0.00088	0.00102	0.00098	0.00482	0.00476	0.03618237	0.000202531	1.511E-09	8.201E-05	0.0008462	0.0002439	0.000787	0.00074566	0.037598
3470	483863.09	3849377.25	0.00181	0.00427	0.00063	0.00086	0.00103	0.00097	0.00432	0.00427	0.03341331	0.000181682	1.511E-09	8.015E-05	0.0008545	0.0002414	0.000705	0.0006689	0.034807
3471	484363.09	3849377.25	0.00212	0.00486	0.00069	0.00093	0.0011	0.00105	0.00493	0.00486	0.03913603	0.000206786	1.655E-09	8.667E-05	0.0009126	0.0002613	0.000805	0.00076132	0.040647
3472	484863.09	3849377.25	0.00228	0.00503	0.00074	0.00099	0.00137	0.00107	0.00511	0.00503	0.0420897	0.000214019	1.775E-09	9.226E-05	0.0011366	0.0002663	0.000834	0.00078796	0.043845
3473	485363.09	3849377.25	0.00223	0.00482	0.00071	0.00099	0.0015	0.00106	0.0049	0.00482	0.04116668	0.000205084	1.703E-09	9.226E-05	0.0012445	0.0002638	0.0008	0.00075506	0.043017

3474	485863.09	3849377.25	0.00197	0.00427	0.00067	0.00094	0.00125	0.00099	0.00433	0.00427	0.03636697	0.000181682	1.607E-09	8.76E-05	0.0010371	0.0002464	0.000707	0.0006689	0.037958
3475	486363.09	3849377.25	0.00178	0.00382	0.00067	0.0009	0.00102	0.00095	0.00387	0.00382	0.0328595	0.000162535	1.607E-09	8.388E-05	0.0008462	0.0002365	0.000632	0.00059841	0.034222
3476	486863.09	3849377.25	0.00188	0.00398	0.0007	0.00094	0.00097	0.001	0.00403	0.00398	0.03470554	0.000169343	1.679E-09	8.76E-05	0.0008048	0.0002489	0.000658	0.00062347	0.03605
3477	487363.09	3849377.25	0.0019	0.0039	0.00071	0.00094	0.00099	0.00103	0.00395	0.0039	0.03507475	0.000165939	1.703E-09	8.76E-05	0.0008214	0.0002564	0.000645	0.00061094	0.03644
3478	487863.09	3849377.25	0.00189	0.00374	0.00069	0.00095	0.00104	0.00104	0.00379	0.00374	0.03489014	0.000159131	1.655E-09	8.854E-05	0.0008628	0.0002589	0.000619	0.00058588	0.036292
3479	488363.09	3849377.25	0.00189	0.00359	0.00073	0.00096	0.00107	0.00105	0.00365	0.00359	0.03489014	0.000152749	1.751E-09	8.947E-05	0.0008877	0.0002613	0.000596	0.00056238	0.036315
3480	488863.09	3849377.25	0.00189	0.00348	0.00076	0.00097	0.00102	0.00106	0.00354	0.00348	0.03489014	0.000148069	1.823E-09	9.04E-05	0.0008462	0.0002638	0.000578	0.00054515	0.036271
3481	489363.09	3849377.25	0.0019	0.00338	0.00076	0.00099	0.00104	0.00108	0.00343	0.00338	0.03507475	0.000143814	1.823E-09	9.226E-05	0.0008628	0.0002688	0.00056	0.00052948	0.036473
3482	489863.09	3849377.25	0.00189	0.00325	0.00077	0.00099	0.00108	0.00109	0.0033	0.00325	0.03489014	0.000138282	1.847E-09	9.226E-05	0.000896	0.0002713	0.000539	0.00050912	0.036318
3483	490363.09	3849377.25	0.00187	0.00307	0.00078	0.00097	0.00114	0.00109	0.00312	0.00307	0.03452093	0.000130624	1.871E-09	9.04E-05	0.0009458	0.0002713	0.000509	0.00048092	0.035987
3484	490863.09	3849377.25	0.00186	0.00293	0.00081	0.00097	0.00111	0.00109	0.00298	0.00293	0.03433633	0.000124667	1.943E-09	9.04E-05	0.0009209	0.0002713	0.000486	0.00045899	0.035771
3485	491363.09	3849377.25	0.00185	0.00281	0.00084	0.00098	0.00105	0.00111	0.00285	0.00281	0.03415173	0.000119561	2.015E-09	9.133E-05	0.0008711	0.0002763	0.000465	0.00044019	0.035535
3486	491863.09	3849377.25	0.00179	0.00263	0.00086	0.00098	0.00104	0.00111	0.00267	0.00263	0.0330441	0.000111902	2.063E-09	9.133E-05	0.0008628	0.0002763	0.000436	0.00041199	0.03441
3487	492363.09	3849377.25	0.00175	0.00247	0.00088	0.00099	0.00103	0.00112	0.00251	0.00247	0.03230569	0.000105095	2.111E-09	9.226E-05	0.0008545	0.0002788	0.00041	0.00038693	0.033659
3488	492863.09	3849377.25	0.0017	0.00226	0.00088	0.00097	0.00101	0.0011	0.0023	0.00226	0.03138267	9.61595E-05	2.111E-09	9.04E-05	0.000838	0.0002738	0.000375	0.00035403	0.032702
3489	493363.09	3849377.25	0.00169	0.00216	0.0009	0.00099	0.00105	0.00112	0.00219	0.00216	0.03119806	9.19047E-05	2.159E-09	9.226E-05	0.0008711	0.0002788	0.000357	0.00033837	0.032551
3490	493863.09	3849377.25	0.00172	0.00209	0.00093	0.001	0.0011	0.00114	0.00213	0.00209	0.03175188	8.89263E-05	2.23E-09	9.32E-05	0.0009126	0.0002837	0.000348	0.0003274	0.033151
3491	494363.09	3849377.25	0.00177	0.00208	0.00098	0.00104	0.00118	0.00118	0.00212	0.00208	0.0326749	8.85008E-05	2.35E-09	9.692E-05	0.000979	0.0002937	0.000346	0.00032583	0.034153
3492	494863.09	3849377.25	0.00189	0.00217	0.00104	0.00109	0.00126	0.00124	0.00222	0.00217	0.03489014	9.23302E-05	2.494E-09	0.0001016	0.0010454	0.0003086	0.000362	0.00033993	0.03646
3493	495363.09	3849377.25	0.00194	0.00217	0.00109	0.00111	0.00133	0.00128	0.00222	0.00217	0.03581316	9.23302E-05	2.614E-09	0.0001034	0.0011034	0.0003186	0.000362	0.00033993	0.037453
3494	495863.09	3849377.25	0.00184	0.00191	0.00107	0.00108	0.00127	0.00123	0.00195	0.00191	0.03396712	8.12676E-05	2.566E-09	0.0001007	0.0010537	0.0003061	0.000318	0.0002992	0.035528
3495	496363.09	3849377.25	0.00185	0.00185	0.00107	0.00109	0.00128	0.00124	0.00189	0.00185	0.03415173	7.87146E-05	2.566E-09	0.0001016	0.001062	0.0003086	0.000309	0.0002898	0.035721
3496	496863.09	3849377.25	0.00207	0.00208	0.00116	0.00119	0.00138	0.00136	0.00214	0.00208	0.03821301	8.85008E-05	2.782E-09	0.0001109	0.0011449	0.0003385	0.000349	0.00032583	0.039919
3497	497363.09	3849377.25	0.00215	0.00212	0.00119	0.00124	0.00144	0.00141	0.00218	0.00212	0.03968985	9.02027E-05	2.854E-09	0.0001156	0.0011947	0.0003509	0.000356	0.0003321	0.041465
3498	497863.09	3849377.25	0.00243	0.00233	0.00127	0.00137	0.00158	0.00153	0.0024	0.00233	0.04485876	9.91379E-05	3.046E-09	0.0001277	0.0013109	0.0003808	0.000392	0.000365	0.046804
3499	498363.09	3849377.25	0.00241	0.00225	0.00128	0.0014	0.00163	0.00154	0.00232	0.00225	0.04448955	9.5734E-05	3.07E-09	0.0001305	0.0013523	0.0003833	0.000379	0.00035247	0.046478
3500	471363.09	3849877.25	0.00149	0.00262	0.00066	0.00094	0.00126	0.00103	0.00266	0.00262	0.02750599	0.000111477	1.583E-09	8.76E-05	0.0010454	0.0002564	0.000434	0.00041043	0.029031
3501	471863.09	3849877.25	0.00157	0.00307	0.0007	0.00098	0.00122	0.00108	0.00311	0.00307	0.02898282	0.000130624	1.679E-09	9.133E-05	0.0010122	0.0002688	0.000508	0.00048092	0.030512
3502	472363.09	3849877.25	0.00163	0.00341	0.00074	0.00101	0.00118	0.00112	0.00345	0.00341	0.03009044	0.00014509	1.775E-09	9.413E-05	0.000979	0.0002788	0.000563	0.00053418	0.031616
3503	472863.09	3849877.25	0.00167	0.00374	0.00077	0.00104	0.00117	0.00114	0.00378	0.00374	0.03082886	0.000159131	1.847E-09	9.692E-05	0.0009707	0.0002837	0.000617	0.00058588	0.03237
3504	473363.09	3849877.25	0.00173	0.00418	0.00079	0.00106	0.0012	0.00116	0.00422	0.00418	0.03193648	0.000177853	1.895E-09	9.879E-05	0.0009956	0.0002887	0.000689	0.0006548	0.033531
3505	473863.09	3849877.25	0.00179	0.00475	0.00082	0.00107	0.00126	0.00118	0.0048	0.00475	0.0330441	0.000202105	1.967E-09	9.972E-05	0.0010454	0.0002937	0.000783	0.00074409	0.034724
3506	474363.09	3849877.25	0.00185	0.00552	0.00085	0.00108	0.00133	0.00119	0.00556	0.00552	0.03415173	0.000234867	2.039E-09	0.0001007	0.0011034	0.0002962	0.000908	0.00086471	0.03593
3507	474863.09	3849877.25	0.00192	0.00647	0.00087	0.00111	0.00139	0.0012	0.00652	0.00647	0.03544395	0.000275289	2.087E-09	0.0001034	0.0011532	0.0002987	0.001064	0.00101353	0.037325
3508	475363.09	3849877.25	0.00203	0.00775	0.00085	0.00115	0.00143	0.00122	0.00784	0.00775	0.0374746	0.000329751	2.039E-09	0.0001072	0.0011864	0.0003037	0.00128	0.00121405	0.039467
3509	475863.09	3849877.25	0.00235	0.00946	0.00079	0.00118	0.00145	0.00125	0.00959	0.00946	0.04338192	0.000402508	1.895E-09	0.00011	0.001203	0.0003111	0.001565	0.00148192	0.045492
3510	476363.09	3849877.25	0.00279	0.01208	0.00074	0.00118	0.00144	0.00127	0.01223	0.01208	0.0515045	0.000513985	1.775E-09	0.00011	0.0011947	0.0003161	0.001996	0.00189235	0.053743
3511	476863.09	3849877.25	0.00357	0.01794	0.00079	0.00116	0.0014	0.00128	0.01811	0.01794	0.0659036	0.000763319	1.895E-09	0.0001081	0.0011615	0.0003186	0.002956	0.00281032	0.068401
3512	477363.09	3849877.25	0.00687	0.04237	0.00086	0.00114	0.00135	0.00124	0.04287	0.04237	0.1268229	0.001802778	2.063E-09	0.0001062	0.00112	0.0003086	0.006998	0.00663731	0.130521
3513	477863.09	3849877.25	0.03038	0.20415	0.00081	0.00115	0.00132	0.00119	0.20276	0.20415	0.56082674	0.008686268	1.943E-09	0.0001072	0.0010951	0.0002962	0.033096	0.03198035	0.572127
3514	478363.09	3849877.25	0.01069	0.05569	0.00074	0.00122	0.00138	0.00124	0.05588	0.05569	0.1973416	0.002369524	1.775E-09	0.0001137	0.0011449	0.0003086	0.009121	0.00872391	0.201676
3515	478863.09	3849877.25	0.00717	0.03344	0.00072	0.00122	0.00147	0.00132	0.03359	0.03344	0.13236102	0.00142282	1.727E-09	0.0001137	0.0012196	0.0003285	0.005483	0.00523842	0.13569
3516	479363.09	3849877.25	0.00594	0.02296	0.0007	0.00112	0.00144	0.00122	0.02306	0.02296	0.10965473	0.000976913	1.679E-09	0.0001044	0.0011947	0.0003037	0.003764	0.00359671	0.112402
3517	479863.09	3849877.25	0.00515	0.01827	0.00071	0.00113	0.00129	0.0012	0.01841	0.01827	0.09507102	0.00077736	1.703E-09	0.0001053	0.0010703	0.0002987	0.003005	0.00286202	0.097466
3518	480363.09	3849877.25	0.00458	0.01396	0.00072	0.00109	0.00117	0.00118	0.01409	0.01396	0.0845486	0.000593976	1.727E-09	0.0001016	0.0009707	0.0002937	0.0023	0.00218685	0.086622
3519	480863.09	3849877.25	0.00405	0.01133	0.0007	0.0011	0.00125	0.00115	0.01146	0.01133	0.07476459	0.000482074	1.679E-09	0.0001025	0.0010371	0.0002862	0.001871	0.00177486	0.076768
3520	481363.09	3849877.25	0.00367	0.0097	0.00074	0.00108	0.00148	0.00117	0.00977	0.0097	0.06774964	0.00041272	1.775E-09	0.0001007	0.0012279	0.0002912	0.001595	0.00151952	0.069857
3521	481863.09	3849877.25	0.00304	0.00751	0.00077	0.00099	0.00121	0.0011	0.00756	0.00751	0.05611959	0.000319539	1.847E-09	9.226E-05	0.0010039	0.0002738	0.001234	0.00117645	0.057867
3522	482363.09	3849877.25	0.00268	0.00643	0.00072	0.00098	0.00108	0.00107	0.0065	0.00643	0.04947385	0.000273587	1.727E-09	9.133E-05	0.000896	0.0002663	0.001061	0.00100727	0.051055
3523	482863.09	3849877.25	0.00242	0.0057	0.00072	0.00096	0.00105	0.00106	0.00576	0.0057	0.04467415	0.000242526	1.727E-09	8.947E-05	0.0008711	0.0002638	0.00094	0.00089291	0.046188
3524	483363.09	3849877.25	0.00219	0.00506	0.00069	0.00094	0.00106	0.00105	0.00512	0.00506	0.04042826	0.000215295	1.655E-09	8.76E-05	0.0008794	0.0002613	0.000836	0.00079266	0.041915
3525	483863.09	3849877.25	0.00213	0.00481	0.00068	0.00094	0.0011	0.00105	0.00488	0.00481	0.03932064	0.000204658	1.631E-09	8.76E-05	0.0009126	0.0002613	0.000797	0.00075349	0.04083
3526	484363.09	3849877.25	0.00241	0.00527	0.00075	0.00101	0.00117	0.00114	0.00535	0.00527	0.04448955	0.00022423	1.799E-09	9.413E-05	0.0009707	0.0002837	0.000873	0.00082555	0.04611
3527	484863.09	3849877.25	0.00267	0.00561	0.0008	0.0011	0.00138	0.00119	0.00571	0.00561	0.04928925	0.000238697	1.919E-09	0.0001025	0.0011449	0.0002962	0.000932	0.00087881	0.051125
3528	485363.09	3849877.25	0.00254	0.00522	0.00077	0.00108	0.00159	0.00116	0.00531	0.00522	0.0468894	0.000222103	1.847E-09	0.0001007	0.0013192	0.0002887	0.000867	0.00081772	0.048869
3529	485863.09	3849877.25	0.00231	0.00474	0.00074	0.00104	0.00146	0.0011	0.00481	0.00474	0.04264351	0.00020168	1.775E-09	9.692E-05	0.0012113	0.0002738	0.000785	0.00074253	0.04447
3530	486363.09	3849877.25	0.00217	0.00444	0.00076	0.00103	0.00124	0.00109	0.0045	0.00444	0.04005905	0.000188915	1.823E-09	9.599E-05	0.0010288	0.0002713	0.000735	0.00069553	0.041683

3531	486863.09	3849877.25	0.00222	0.00443	0.00079	0.00106	0.00109	0.00114	0.00449	0.00443	0.04098207	0.00018849	1.895E-09	9.879E-05	0.0009043	0.0002837	0.000733	0.00069396	0.042496
3532	487363.09	3849877.25	0.00219	0.00425	0.00081	0.00106	0.00108	0.00115	0.00431	0.00425	0.04042826	0.000180831	1.943E-09	9.879E-05	0.000896	0.0002862	0.000704	0.00066577	0.041928
3533	487863.09	3849877.25	0.00215	0.00405	0.00084	0.00106	0.00113	0.00115	0.00411	0.00405	0.03968985	0.000172321	2.015E-09	9.879E-05	0.0009375	0.0002862	0.000671	0.00063444	0.041221
3534	488363.09	3849877.25	0.00214	0.00388	0.00084	0.00107	0.00115	0.00117	0.00395	0.00388	0.03950524	0.000165088	2.015E-09	9.972E-05	0.0009541	0.0002912	0.000645	0.00060781	0.041052
3535	488863.09	3849877.25	0.00214	0.00374	0.00082	0.0011	0.0011	0.00119	0.00381	0.00374	0.03950524	0.000159131	1.967E-09	0.0001025	0.0009126	0.0002962	0.000622	0.00058588	0.041012
3536	489363.09	3849877.25	0.00214	0.00358	0.00084	0.00111	0.00114	0.00121	0.00365	0.00358	0.03950524	0.000152323	2.015E-09	0.0001034	0.0009458	0.0003012	0.000596	0.00056081	0.041043
3537	489863.09	3849877.25	0.00212	0.0034	0.00088	0.00111	0.00125	0.00122	0.00347	0.0034	0.03913603	0.000144665	2.111E-09	0.0001034	0.0010371	0.0003037	0.000566	0.00053261	0.040759
3538	490363.09	3849877.25	0.00209	0.00322	0.00092	0.00109	0.00124	0.00122	0.00328	0.00322	0.03858222	0.000137006	2.206E-09	0.0001016	0.0010288	0.0003037	0.000535	0.00050442	0.040184
3539	490863.09	3849877.25	0.00208	0.00307	0.00094	0.00109	0.00118	0.00124	0.00313	0.00307	0.03839762	0.000130624	2.254E-09	0.0001016	0.000979	0.0003086	0.000511	0.00048092	0.039947
3540	491363.09	3849877.25	0.00208	0.00294	0.00097	0.0011	0.00113	0.00126	0.00299	0.00294	0.03839762	0.000125092	2.326E-09	0.0001025	0.0009375	0.0003136	0.000488	0.00046055	0.039904
3541	491863.09	3849877.25	0.00202	0.00275	0.00099	0.00111	0.00112	0.00127	0.0028	0.00275	0.03728999	0.000117008	2.374E-09	0.0001034	0.0009292	0.0003161	0.000457	0.00043079	0.038782
3542	492363.09	3849877.25	0.00198	0.00259	0.00101	0.00113	0.0011	0.00127	0.00264	0.00259	0.03655158	0.000110201	2.422E-09	0.0001053	0.0009126	0.0003161	0.000431	0.00040573	0.038021
3543	492863.09	3849877.25	0.00194	0.00241	0.00103	0.00112	0.00112	0.00127	0.00247	0.00241	0.03581316	0.000102542	2.47E-09	0.0001044	0.0009292	0.0003161	0.000403	0.00037753	0.037291
3544	493363.09	3849877.25	0.00192	0.00224	0.00106	0.00112	0.00118	0.00127	0.00229	0.00224	0.03544395	9.53085E-05	2.542E-09	0.0001044	0.000979	0.0003161	0.000374	0.0003509	0.036962
3545	493863.09	3849877.25	0.00192	0.00214	0.00109	0.00113	0.00125	0.00128	0.00218	0.00214	0.03544395	9.10537E-05	2.614E-09	0.0001053	0.0010371	0.0003186	0.000356	0.00033523	0.037017
3546	494363.09	3849877.25	0.00207	0.00228	0.00116	0.0012	0.00136	0.00137	0.00234	0.00228	0.03821301	9.70105E-05	2.782E-09	0.0001118	0.0011283	0.000341	0.000382	0.00035716	0.039916
3547	494863.09	3849877.25	0.0022	0.00235	0.00123	0.00126	0.00147	0.00145	0.00241	0.00235	0.04061286	9.99889E-05	2.95E-09	0.0001174	0.0012196	0.0003609	0.000393	0.00036813	0.042436
3548	495363.09	3849877.25	0.00213	0.00216	0.00122	0.00123	0.00145	0.00141	0.00222	0.00216	0.03932064	9.19047E-05	2.926E-09	0.0001146	0.001203	0.0003509	0.000362	0.00033837	0.041105
3549	495863.09	3849877.25	0.00226	0.00226	0.00127	0.00129	0.00149	0.00149	0.00232	0.00226	0.04172049	9.61595E-05	3.046E-09	0.0001202	0.0012362	0.0003709	0.000379	0.00035403	0.043569
3550	496363.09	3849877.25	0.00234	0.00226	0.0013	0.00133	0.00151	0.00153	0.00232	0.00226	0.04319732	9.61595E-05	3.118E-09	0.000124	0.0012528	0.0003808	0.000379	0.00035403	0.045076
3551	496863.09	3849877.25	0.0024	0.00225	0.00132	0.00137	0.00159	0.00156	0.00231	0.00225	0.04430494	9.5734E-05	3.166E-09	0.0001277	0.0013192	0.0003883	0.000377	0.00035247	0.04626
3552	497363.09	3849877.25	0.00261	0.00237	0.00138	0.00148	0.0017	0.00165	0.00245	0.00237	0.04818163	0.00010084	3.31E-09	0.0001379	0.0014104	0.0004107	0.0004	0.00037126	0.05027
3553	497863.09	3849877.25	0.0027	0.00238	0.00141	0.00155	0.00179	0.00171	0.00247	0.00238	0.04984306	0.000101265	3.382E-09	0.0001445	0.0014851	0.0004256	0.000403	0.00037283	0.05203
3554	498363.09	3849877.25	0.00267	0.00231	0.00143	0.00158	0.00185	0.00171	0.00239	0.00231	0.04928925	9.82869E-05	3.43E-09	0.0001472	0.0015349	0.0004256	0.00039	0.00036186	0.051524
3555	471363.09	3850377.25	0.00148	0.00192	0.00065	0.00095	0.00132	0.00103	0.00196	0.00192	0.02732138	8.1693E-05	1.559E-09	8.854E-05	0.0010951	0.0002564	0.00032	0.00030077	0.028862
3556	471863.09	3850377.25	0.00158	0.00246	0.0007	0.001	0.00138	0.00108	0.0025	0.00246	0.02916742	0.000104669	1.679E-09	9.32E-05	0.0011449	0.0002688	0.000408	0.00038536	0.030802
3557	472363.09	3850377.25	0.00164	0.0028	0.00073	0.00103	0.00137	0.00112	0.00285	0.0028	0.03027504	0.000119136	1.751E-09	9.599E-05	0.0011366	0.0002788	0.000465	0.00043862	0.031932
3558	472863.09	3850377.25	0.00171	0.00325	0.00079	0.00107	0.00133	0.00118	0.0033	0.00325	0.03156727	0.000138282	1.895E-09	9.972E-05	0.0011034	0.0002937	0.000539	0.00050912	0.033232
3559	473363.09	3850377.25	0.00176	0.00356	0.00081	0.0011	0.00128	0.00121	0.0036	0.00356	0.03249029	0.000151473	1.943E-09	0.0001025	0.001062	0.0003012	0.000588	0.00055768	0.034137
3560	473863.09	3850377.25	0.0018	0.00393	0.00084	0.00114	0.00127	0.00124	0.00398	0.00393	0.03322871	0.000167215	2.015E-09	0.0001062	0.0010537	0.0003086	0.00065	0.00061564	0.034898
3561	474363.09	3850377.25	0.00186	0.00435	0.00087	0.00116	0.00131	0.00127	0.0044	0.00435	0.03433633	0.000185086	2.087E-09	0.0001081	0.0010868	0.0003161	0.000718	0.00068143	0.036069
3562	474863.09	3850377.25	0.00191	0.00484	0.00091	0.00118	0.00137	0.0013	0.00489	0.00484	0.03525935	0.000205935	2.182E-09	0.00011	0.0011366	0.0003236	0.000798	0.00075819	0.037075
3563	475363.09	3850377.25	0.00199	0.00542	0.00095	0.00119	0.00145	0.0013	0.00546	0.00542	0.03673618	0.000230613	2.278E-09	0.0001109	0.001203	0.0003236	0.000891	0.00084905	0.038646
3564	475863.09	3850377.25	0.00215	0.00624	0.00095	0.00122	0.00152	0.00131	0.0063	0.00624	0.03968985	0.000265502	2.278E-09	0.0001137	0.0012611	0.0003261	0.001028	0.0009775	0.041707
3565	476363.09	3850377.25	0.00238	0.00724	0.0009	0.00127	0.00156	0.00134	0.00734	0.00724	0.04393574	0.000308051	2.159E-09	0.0001184	0.0012943	0.0003335	0.001198	0.00113415	0.046054
3566	476863.09	3850377.25	0.00266	0.00872	0.00083	0.00129	0.00157	0.00137	0.00886	0.00872	0.04910465	0.000371023	1.991E-09	0.0001202	0.0013026	0.000341	0.001446	0.001366	0.05132
3567	477363.09	3850377.25	0.00307	0.01126	0.00085	0.00128	0.00153	0.0014	0.01142	0.01126	0.05667341	0.000479096	2.039E-09	0.0001193	0.0012694	0.0003485	0.001864	0.00176389	0.05899
3568	477863.09	3850377.25	0.00397	0.01688	0.00093	0.00125	0.00149	0.00136	0.01708	0.01688	0.07328776	0.000718218	2.23E-09	0.0001165	0.0012362	0.0003385	0.002788	0.00264427	0.075841
3569	478363.09	3850377.25	0.00761	0.03968	0.0009	0.00124	0.00143	0.0013	0.04054	0.03968	0.14048359	0.001688323	2.159E-09	0.0001156	0.0011864	0.0003236	0.006617	0.00621592	0.144199
3570	478863.09	3850377.25	0.04569	0.23319	0.00083	0.00133	0.00148	0.00138	0.22704	0.23319	0.84345536	0.009921875	1.991E-09	0.000124	0.0012279	0.0003435	0.037059	0.0365295	0.855602
3571	479363.09	3850377.25	0.01904	0.05869	0.0008	0.00136	0.00156	0.00147	0.05849	0.05869	0.35148588	0.002497169	1.919E-09	0.0001267	0.0012943	0.0003659	0.009547	0.00919386	0.356123
3572	479863.09	3850377.25	0.01192	0.03246	0.00078	0.00127	0.00157	0.00136	0.03249	0.03246	0.22004789	0.001381123	1.871E-09	0.0001184	0.0013026	0.0003385	0.005303	0.0050849	0.223407
3573	480363.09	3850377.25	0.00882	0.02237	0.00082	0.00124	0.00142	0.00134	0.02247	0.02237	0.16282067	0.000951809	1.967E-09	0.0001156	0.0011781	0.0003335	0.003668	0.00350429	0.165563
3574	480863.09	3850377.25	0.00689	0.01775	0.00084	0.00124	0.00129	0.00135	0.01788	0.01775	0.12719211	0.000755235	2.015E-09	0.0001156	0.0010703	0.000336	0.002919	0.00278056	0.129607
3575	481363.09	3850377.25	0.00523	0.01228	0.00079	0.00122	0.00137	0.00128	0.01241	0.01228	0.09654786	0.000522495	1.895E-09	0.0001137	0.0011366	0.0003186	0.002026	0.00192368	0.098741
3576	481863.09	3850377.25	0.00463	0.01053	0.00088	0.00119	0.00161	0.00131	0.01061	0.01053	0.08547162	0.000448035	2.111E-09	0.0001109	0.0013357	0.0003261	0.001732	0.00164954	0.087775
3577	482363.09	3850377.25	0.00416	0.00906	0.00086	0.0012	0.00136	0.00128	0.00917	0.00906	0.07679524	0.000385489	2.063E-09	0.0001118	0.0011283	0.0003186	0.001497	0.00141926	0.078817
3578	482863.09	3850377.25	0.00325	0.00721	0.00081	0.00111	0.00116	0.0012	0.00731	0.00721	0.05999628	0.000306774	1.943E-09	0.0001034	0.0009624	0.0002987	0.001193	0.00112946	0.061731
3579	483363.09	3850377.25	0.00277	0.00616	0.00079	0.00107	0.00114	0.00118	0.00625	0.00616	0.05113529	0.000262098	1.895E-09	9.972E-05	0.0009458	0.0002937	0.00102	0.00096497	0.052792
3580	483863.09	3850377.25	0.00277	0.006	0.00077	0.00111	0.00122	0.00122	0.0061	0.006	0.05113529	0.000255291	1.847E-09	0.0001034	0.0010122	0.0003037	0.000996	0.00093991	0.052866
3581	484363.09	3850377.25	0.00291	0.00607	0.00084	0.00116	0.00134	0.00127	0.00618	0.00607	0.05371974	0.000258269	2.015E-09	0.0001081	0.0011117	0.0003161	0.001009	0.00095087	0.055572
3582	484863.09	3850377.25	0.00303	0.00613	0.00086	0.00122	0.0014	0.00132	0.00625	0.00613	0.05593499	0.000260822	2.063E-09	0.0001137	0.0011615	0.0003285	0.00102	0.00096027	0.057859
3583	485363.09	3850377.25	0.00295	0.00579	0.00085	0.00123	0.00167	0.0013	0.0059	0.00579	0.05445816	0.000246356	2.039E-09	0.0001146	0.0013855	0.0003236	0.000963	0.00090701	0.056584
3584	485863.09	3850377.25	0.00276	0.00532	0.00086	0.00119	0.00177	0.00126	0.00541	0.00532	0.05095068	0.000226358	2.063E-09	0.0001109	0.0014685	0.0003136	0.000883	0.00083338	0.05312
3585	486363.09	3850377.25	0.00267	0.00506	0.00085	0.00121	0.0016	0.00128	0.00514	0.00506	0.04928925	0.000215295	2.039E-09	0.0001128	0.0013274	0.0003186	0.000839	0.00079266	0.05131
3586	486863.09	3850377.25	0.0026	0.00482	0.00088	0.00122	0.00126	0.00129	0.0049	0.00482	0.04799702	0.000205084	2.111E-09	0.0001137	0.0010454	0.0003211	0.0008	0.00075506	0.049727
3587	487363.09	3850377.25	0.0025	0.00453	0.00095	0.0012	0.00118	0.00129	0.0046	0.00453	0.04615098	0.000192745	2.278E-09	0.0001118	0.000979	0.0003211	0.000751	0.00070963	0.047797

3588	487863.09	3850377.25	0.00247	0.00433	0.00097	0.00121	0.00129	0.00131	0.00441	0.00433	0.04559717	0.000184235	2.326E-09	0.0001128	0.0010703	0.0003261	0.00072	0.0006783	0.047332
3589	488363.09	3850377.25	0.00244	0.00413	0.00092	0.00122	0.00123	0.00133	0.00421	0.00413	0.04504336	0.000175725	2.206E-09	0.0001137	0.0010205	0.000331	0.000687	0.00064697	0.046725
3590	488863.09	3850377.25	0.00244	0.00396	0.00094	0.00125	0.00119	0.00136	0.00404	0.00396	0.04504336	0.000168492	2.254E-09	0.0001165	0.0009873	0.0003385	0.000659	0.00062034	0.046693
3591	489363.09	3850377.25	0.00244	0.00378	0.00099	0.00126	0.00127	0.00138	0.00386	0.00378	0.04504336	0.000160833	2.374E-09	0.0001174	0.0010537	0.0003435	0.00063	0.00059214	0.046757
3592	489863.09	3850377.25	0.00241	0.00357	0.00105	0.00126	0.00138	0.00139	0.00364	0.00357	0.04448955	0.000151898	2.518E-09	0.0001174	0.0011449	0.000346	0.000594	0.00055924	0.046285
3593	490363.09	3850377.25	0.00238	0.00338	0.0011	0.00125	0.00137	0.00142	0.00346	0.00338	0.04393574	0.000143814	2.638E-09	0.0001165	0.0011366	0.0003534	0.000565	0.00052948	0.045721
3594	490863.09	3850377.25	0.00237	0.00323	0.00111	0.00127	0.00127	0.00144	0.0033	0.00323	0.04375113	0.000137432	2.662E-09	0.0001184	0.0010537	0.0003584	0.000539	0.00050598	0.045452
3595	491363.09	3850377.25	0.00237	0.00307	0.00112	0.00128	0.00128	0.00146	0.00314	0.00307	0.04375113	0.000130624	2.686E-09	0.0001193	0.001062	0.0003634	0.000513	0.00048092	0.045458
3596	491863.09	3850377.25	0.00232	0.00286	0.00115	0.00129	0.00121	0.00146	0.00293	0.00286	0.04282811	0.000121689	2.758E-09	0.0001202	0.0010039	0.0003634	0.000478	0.00044802	0.044468
3597	492363.09	3850377.25	0.00224	0.00266	0.00119	0.00129	0.00121	0.00146	0.00273	0.00266	0.04135128	0.000113179	2.854E-09	0.0001202	0.0010039	0.0003634	0.000446	0.00041669	0.042981
3598	492863.09	3850377.25	0.00222	0.00253	0.00123	0.00129	0.00128	0.00147	0.00259	0.00253	0.04098207	0.000107648	2.95E-09	0.0001202	0.001062	0.0003659	0.000423	0.00039633	0.042664
3599	493363.09	3850377.25	0.0022	0.00237	0.00125	0.00129	0.00135	0.00146	0.00243	0.00237	0.04061286	0.00010084	2.998E-09	0.0001202	0.00112	0.0003634	0.000397	0.00037126	0.042343
3600	493863.09	3850377.25	0.00229	0.0024	0.0013	0.00134	0.00149	0.00152	0.00246	0.0024	0.0422743	0.000102116	3.118E-09	0.0001249	0.0012362	0.0003783	0.000402	0.00037596	0.044141
3601	494363.09	3850377.25	0.00237	0.00239	0.00135	0.00138	0.00157	0.00158	0.00246	0.00239	0.04375113	0.000101691	3.238E-09	0.0001286	0.0013026	0.0003933	0.000402	0.0003744	0.045704
3602	494863.09	3850377.25	0.00251	0.00245	0.00141	0.00143	0.00165	0.00166	0.00252	0.00245	0.04633559	0.000104244	3.382E-09	0.0001333	0.0013689	0.0004132	0.000411	0.0003838	0.048383
3603	495363.09	3850377.25	0.00268	0.00251	0.00145	0.0015	0.00169	0.00173	0.0026	0.00251	0.04947385	0.000106797	3.478E-09	0.0001398	0.0014021	0.0004306	0.000424	0.00039319	0.051584
3604	495863.09	3850377.25	0.00263	0.0024	0.00145	0.0015	0.00168	0.00172	0.00248	0.0024	0.04855083	0.000102116	3.478E-09	0.0001398	0.0013938	0.0004281	0.000405	0.00037596	0.050644
3605	496363.09	3850377.25	0.0028	0.00246	0.00149	0.00157	0.00177	0.00178	0.00255	0.00246	0.0516891	0.000104669	3.574E-09	0.0001463	0.0014685	0.000443	0.000416	0.00038536	0.053882
3606	496863.09	3850377.25	0.00294	0.00251	0.00154	0.00166	0.00188	0.00185	0.00261	0.00251	0.05427356	0.000106797	3.693E-09	0.0001547	0.0015598	0.0004605	0.000426	0.00039319	0.056588
3607	497363.09	3850377.25	0.003	0.0025	0.00158	0.00173	0.00196	0.00189	0.0026	0.0025	0.05538118	0.000106371	3.789E-09	0.0001612	0.0016261	0.0004704	0.000424	0.00039163	0.057778
3608	497863.09	3850377.25	0.003	0.00244	0.00161	0.00177	0.00205	0.00191	0.00254	0.00244	0.05538118	0.000103818	3.861E-09	0.000165	0.0017008	0.0004754	0.000415	0.00038223	0.057859
3609	498363.09	3850377.25	0.003	0.00239	0.00163	0.0018	0.00213	0.00192	0.00248	0.00239	0.05538118	0.000101691	3.909E-09	0.0001678	0.0017672	0.0004779	0.000405	0.0003744	0.057926
3610	471363.09	3850877.25	0.0016	0.00199	0.00069	0.00102	0.00134	0.00112	0.00202	0.00199	0.02953663	8.46714E-05	1.655E-09	9.506E-05	0.0011117	0.0002788	0.00033	0.00031174	0.031125
3611	471863.09	3850877.25	0.00165	0.00221	0.00072	0.00104	0.0014	0.00114	0.00225	0.00221	0.03045965	9.40321E-05	1.727E-09	9.692E-05	0.0011615	0.0002837	0.000367	0.0003462	0.032117
3612	472363.09	3850877.25	0.0017	0.00252	0.00076	0.00107	0.00147	0.00117	0.00256	0.00252	0.03138267	0.000107222	1.823E-09	9.972E-05	0.0012196	0.0002912	0.000418	0.00039476	0.033124
3613	472863.09	3850877.25	0.00176	0.00284	0.00081	0.00111	0.00152	0.00121	0.00288	0.00284	0.03249029	0.000120838	1.943E-09	0.0001034	0.0012611	0.0003012	0.00047	0.00044489	0.034302
3614	473363.09	3850877.25	0.0018	0.00291	0.00082	0.00112	0.0015	0.00123	0.00296	0.00291	0.03322871	0.000123816	1.967E-09	0.0001044	0.0012445	0.0003061	0.000483	0.00045586	0.035035
3615	473863.09	3850877.25	0.00188	0.00331	0.00087	0.00116	0.00146	0.00129	0.00336	0.00331	0.03470554	0.000140835	2.087E-09	0.0001081	0.0012113	0.0003211	0.000548	0.00051852	0.036517
3616	474363.09	3850877.25	0.00191	0.00365	0.00091	0.00122	0.00141	0.00134	0.0037	0.00365	0.03525935	0.000155302	2.182E-09	0.0001137	0.0011698	0.0003335	0.000604	0.00057178	0.037064
3617	474863.09	3850877.25	0.00198	0.00399	0.00094	0.00126	0.0014	0.00137	0.00404	0.00399	0.03655158	0.000169768	2.254E-09	0.0001174	0.0011615	0.000341	0.000659	0.00062504	0.038376
3618	475363.09	3850877.25	0.00204	0.00436	0.00098	0.00129	0.00143	0.00141	0.00442	0.00436	0.0376592	0.000185511	2.35E-09	0.0001202	0.0011864	0.0003509	0.000721	0.000683	0.039541
3619	475863.09	3850877.25	0.00213	0.00482	0.00103	0.00131	0.00151	0.00144	0.00487	0.00482	0.03932064	0.000205084	2.47E-09	0.0001221	0.0012528	0.0003584	0.000795	0.00075506	0.041299
3620	476363.09	3850877.25	0.00231	0.00541	0.00107	0.00132	0.00159	0.00144	0.00546	0.00541	0.04264351	0.000230187	2.566E-09	0.000123	0.0013192	0.0003584	0.000891	0.00084748	0.044718
3621	476863.09	3850877.25	0.00248	0.00606	0.00104	0.00136	0.00166	0.00146	0.00614	0.00606	0.04578177	0.000257844	2.494E-09	0.0001267	0.0013772	0.0003634	0.001002	0.00094931	0.04796
3622	477363.09	3850877.25	0.00267	0.00699	0.00096	0.00141	0.0017	0.0015	0.00712	0.00699	0.04928925	0.000297414	2.302E-09	0.0001314	0.0014104	0.0003733	0.001162	0.00109499	0.051569
3623	477863.09	3850877.25	0.00295	0.00843	0.00094	0.00142	0.00169	0.00155	0.00858	0.00843	0.05445816	0.000358683	2.254E-09	0.0001323	0.0014021	0.0003858	0.001401	0.00132057	0.056817
3624	478363.09	3850877.25	0.00349	0.01105	0.00103	0.00141	0.00165	0.00152	0.0112	0.01105	0.06442677	0.00047016	2.47E-09	0.0001314	0.0013689	0.0003783	0.001828	0.001731	0.066873
3625	478863.09	3850877.25	0.00466	0.01623	0.00103	0.00139	0.00161	0.00147	0.01651	0.01623	0.08602543	0.000690561	2.47E-09	0.0001295	0.0013357	0.0003659	0.002695	0.00254245	0.0887
3626	479363.09	3850877.25	0.00832	0.03565	0.00093	0.00146	0.00162	0.00156	0.03681	0.03565	0.15359047	0.001516853	2.23E-09	0.0001361	0.001344	0.0003883	0.006008	0.00558462	0.1574
3627	479863.09	3850877.25	0.05374	0.27985	0.00089	0.00151	0.00168	0.00163	0.26684	0.27985	0.99206152	0.011907186	2.135E-09	0.0001407	0.0013938	0.0004057	0.043556	0.04383884	1.005626
3628	480363.09	3850877.25	0.0157	0.06011	0.00091	0.00146	0.00169	0.00157	0.0601	0.06011	0.28982817	0.002557588	2.182E-09	0.0001361	0.0014021	0.0003908	0.00981	0.0094163	0.294708
3629	480863.09	3850877.25	0.00969	0.03295	0.00102	0.00143	0.00158	0.0016	0.03312	0.03295	0.17888121	0.001401972	2.446E-09	0.0001333	0.0013109	0.0003982	0.005406	0.00516166	0.18237
3630	481363.09	3850877.25	0.00747	0.02233	0.00097	0.00144	0.00144	0.00156	0.02259	0.02233	0.13789914	0.000950107	2.326E-09	0.0001342	0.0011947	0.0003883	0.003687	0.00349802	0.140756
3631	481863.09	3850877.25	0.0064	0.01607	0.00103	0.00149	0.00162	0.00161	0.01624	0.01607	0.11814652	0.000683754	2.47E-09	0.0001389	0.001344	0.0004007	0.002651	0.00251739	0.120847
3632	482363.09	3850877.25	0.00536	0.01183	0.00102	0.00139	0.00181	0.0015	0.01198	0.01183	0.09894771	0.000503348	2.446E-09	0.0001295	0.0015017	0.0003733	0.001955	0.00185318	0.101558
3633	482863.09	3850877.25	0.0045	0.00955	0.00094	0.00136	0.00143	0.00144	0.0097	0.00955	0.08307177	0.000406338	2.254E-09	0.0001267	0.0011864	0.0003584	0.001583	0.00149602	0.085237
3634	483363.09	3850877.25	0.00368	0.00783	0.00092	0.0013	0.00126	0.00137	0.00796	0.00783	0.06793425	0.000333154	2.206E-09	0.0001212	0.0010454	0.000341	0.001299	0.00122658	0.069848
3635	483863.09	3850877.25	0.00342	0.00712	0.00088	0.00129	0.00134	0.0014	0.00726	0.00712	0.06313454	0.000302945	2.111E-09	0.0001202	0.0011117	0.0003485	0.001185	0.00111536	0.065088
3636	484363.09	3850877.25	0.00349	0.007	0.00096	0.00135	0.00157	0.00145	0.00714	0.007	0.06442677	0.000297839	2.302E-09	0.0001258	0.0013026	0.0003609	0.001165	0.00109656	0.066583
3637	484863.09	3850877.25	0.00339	0.00654	0.00094	0.00135	0.00152	0.00146	0.00668	0.00654	0.06258073	0.000278267	2.254E-09	0.0001258	0.0012611	0.0003634	0.00109	0.0010245	0.064675
3638	485363.09	3850877.25	0.00334	0.00623	0.00096	0.00139	0.00171	0.00149	0.00637	0.00623	0.06165771	0.000265077	2.302E-09	0.0001295	0.0014187	0.0003709	0.00104	0.00097594	0.063906
3639	485863.09	3850877.25	0.00311	0.00562	0.00097	0.00135	0.00195	0.00146	0.00574	0.00562	0.05741182	0.000239122	2.326E-09	0.0001258	0.0016178	0.0003634	0.000937	0.00088038	0.059815
3640	486363.09	3850877.25	0.0031	0.00542	0.00096	0.00142	0.00191	0.00149	0.00553	0.00542	0.05722722	0.000230613	2.302E-09	0.0001323	0.0015846	0.0003709	0.000903	0.00084905	0.059599
3641	486863.09	3850877.25	0.003	0.00512	0.00107	0.00142	0.0015	0.00148	0.00522	0.00512	0.05538118	0.000217848	2.566E-09	0.0001323	0.0012445	0.0003684	0.000852	0.00080205	0.057394
3642	487363.09	3850877.25	0.00287	0.00478	0.00109	0.0014	0.00131	0.00148	0.00488	0.00478	0.05298133	0.000203382	2.614E-09	0.0001305	0.0010868	0.0003684	0.000797	0.00074879	0.054818
3643	487863.09	3850877.25	0.00281	0.00454	0.00107	0.0014	0.00141	0.00152	0.00464	0.00454	0.0518737	0.00019317	2.566E-09	0.0001305	0.0011698	0.0003783	0.000757	0.0007112	0.053792
3644	488363.09	3850877.25	0.00282	0.00433	0.00106	0.00142	0.00144	0.00155	0.00444	0.00433	0.05205831	0.000184235	2.542E-09	0.0001323	0.0011947	0.0003858	0.000725	0.0006783	0.054002

3645	488863.09	3850877.25	0.00281	0.00412	0.00112	0.00145	0.00132	0.00158	0.00422	0.00412	0.0518737	0.0001753	2.686E-09	0.0001351	0.0010951	0.0003933	0.000689	0.0006454	0.053716
3646	489363.09	3850877.25	0.00281	0.00394	0.00124	0.00147	0.00143	0.00161	0.00404	0.00394	0.0518737	0.000167641	2.974E-09	0.000137	0.0011864	0.0004007	0.000659	0.00061721	0.053808
3647	489863.09	3850877.25	0.0028	0.00373	0.00129	0.00149	0.00153	0.00164	0.00384	0.00373	0.0516891	0.000158706	3.094E-09	0.0001389	0.0012694	0.0004082	0.000627	0.00058431	0.053707
3648	490363.09	3850877.25	0.0028	0.00357	0.00128	0.0015	0.00148	0.00168	0.00367	0.00357	0.0516891	0.000151898	3.07E-09	0.0001398	0.0012279	0.0004181	0.000599	0.00055924	0.053667
3649	490863.09	3850877.25	0.00279	0.0034	0.0013	0.00151	0.00142	0.00171	0.00351	0.0034	0.0515045	0.000144665	3.118E-09	0.0001407	0.0011781	0.0004256	0.000573	0.00053261	0.053434
3650	491363.09	3850877.25	0.00274	0.00321	0.00135	0.00152	0.00143	0.00171	0.00331	0.00321	0.05058148	0.000136581	3.238E-09	0.0001417	0.0011864	0.0004256	0.00054	0.00050285	0.052509
3651	491863.09	3850877.25	0.00269	0.00301	0.0014	0.00153	0.00133	0.00171	0.00311	0.00301	0.04965846	0.000128071	3.358E-09	0.0001426	0.0011034	0.0004256	0.000508	0.00047152	0.051494
3652	492363.09	3850877.25	0.00266	0.00283	0.00144	0.00152	0.0014	0.00171	0.00293	0.00283	0.04910465	0.000120412	3.454E-09	0.0001417	0.0011615	0.0004256	0.000478	0.00044332	0.050989
3653	492863.09	3850877.25	0.00263	0.0027	0.00148	0.00152	0.0015	0.00173	0.00279	0.0027	0.04855083	0.000114881	3.55E-09	0.0001417	0.0012445	0.0004306	0.000455	0.00042296	0.050515
3654	493363.09	3850877.25	0.00265	0.00261	0.0015	0.00154	0.00164	0.00175	0.0027	0.00261	0.04892004	0.000111051	3.598E-09	0.0001435	0.0013606	0.0004356	0.000441	0.00040886	0.051003
3655	493863.09	3850877.25	0.00277	0.00263	0.00155	0.00161	0.00176	0.00182	0.00273	0.00263	0.05113529	0.000111902	3.717E-09	0.00015	0.0014602	0.000453	0.000446	0.00041199	0.053344
3656	494363.09	3850877.25	0.00285	0.00259	0.00158	0.00162	0.00181	0.00186	0.00269	0.00259	0.05261212	0.000110201	3.789E-09	0.000151	0.0015017	0.0004629	0.000439	0.00040573	0.054871
3657	494863.09	3850877.25	0.00301	0.00262	0.00163	0.00169	0.0019	0.00195	0.00273	0.00262	0.05556578	0.000111477	3.909E-09	0.0001575	0.0015763	0.0004853	0.000446	0.00041043	0.057932
3658	495363.09	3850877.25	0.00315	0.00267	0.00167	0.00176	0.00192	0.00202	0.00278	0.00267	0.05815024	0.000113604	4.005E-09	0.000164	0.0015929	0.0005028	0.000454	0.00041826	0.060559
3659	495863.09	3850877.25	0.00319	0.00262	0.00169	0.00178	0.00197	0.00203	0.00273	0.00262	0.05888865	0.000111477	4.053E-09	0.0001659	0.0016344	0.0005053	0.000446	0.00041043	0.061341
3660	496363.09	3850877.25	0.00327	0.00261	0.00173	0.00185	0.00207	0.00206	0.00272	0.00261	0.06036549	0.000111051	4.149E-09	0.0001724	0.0017174	0.0005127	0.000444	0.00040886	0.062914
3661	496863.09	3850877.25	0.00339	0.00264	0.00179	0.00196	0.00219	0.00213	0.00276	0.00264	0.06258073	0.000112328	4.293E-09	0.0001827	0.0018169	0.0005301	0.000451	0.00041356	0.06526
3662	497363.09	3850877.25	0.0034	0.00258	0.00181	0.00201	0.0023	0.00215	0.00271	0.00258	0.06276534	0.000109775	4.341E-09	0.0001873	0.0019082	0.0005351	0.000442	0.00040416	0.065544
3663	497863.09	3850877.25	0.00336	0.00251	0.00183	0.00203	0.00239	0.00215	0.00263	0.00251	0.06202692	0.000106797	4.389E-09	0.0001892	0.0019829	0.0005351	0.000429	0.00039319	0.064877
3664	498363.09	3850877.25	0.00333	0.00244	0.00184	0.00201	0.00246	0.00214	0.00255	0.00244	0.06147311	0.000103818	4.413E-09	0.0001873	0.002041	0.0005326	0.000416	0.00038223	0.064372
3665	471363.09	3851377.25	0.00169	0.00193	0.00073	0.00112	0.00138	0.0012	0.00197	0.00193	0.03119806	8.21185E-05	1.751E-09	0.0001044	0.0011449	0.0002987	0.000322	0.00030234	0.032847
3666	471863.09	3851377.25	0.00177	0.00224	0.00078	0.00118	0.00144	0.00126	0.00229	0.00224	0.0326749	9.53085E-05	1.871E-09	0.00011	0.0011947	0.0003136	0.000374	0.0003509	0.034411
3667	472363.09	3851377.25	0.00181	0.00232	0.00079	0.00118	0.00148	0.00127	0.00236	0.00232	0.03341331	9.87124E-05	1.895E-09	0.00011	0.0012279	0.0003161	0.000385	0.00036343	0.035188
3668	472863.09	3851377.25	0.00184	0.00242	0.0008	0.00118	0.00152	0.00128	0.00246	0.00242	0.03396712	0.000102967	1.919E-09	0.00011	0.0012611	0.0003186	0.000402	0.0003791	0.035782
3669	473363.09	3851377.25	0.00185	0.00233	0.0008	0.00116	0.00157	0.00127	0.00237	0.00233	0.03415173	9.91379E-05	1.919E-09	0.0001081	0.0013026	0.0003161	0.000387	0.000365	0.035999
3670	473863.09	3851377.25	0.00192	0.00249	0.00084	0.00118	0.00163	0.00129	0.00254	0.00249	0.03544395	0.000105946	2.015E-09	0.00011	0.0013523	0.0003211	0.000415	0.00039006	0.037358
3671	474363.09	3851377.25	0.00201	0.00297	0.00091	0.00123	0.00165	0.00136	0.00302	0.00297	0.03710539	0.000126369	2.182E-09	0.0001146	0.0013689	0.0003385	0.000493	0.00046525	0.039082
3672	474863.09	3851377.25	0.00209	0.00339	0.00098	0.00128	0.00161	0.00143	0.00344	0.00339	0.03858222	0.000144239	2.35E-09	0.0001193	0.0013357	0.0003559	0.000562	0.00053105	0.040568
3673	475363.09	3851377.25	0.00215	0.00372	0.00103	0.00134	0.00156	0.00148	0.00377	0.00372	0.03968985	0.00015828	2.47E-09	0.0001249	0.0012943	0.0003684	0.000615	0.00058274	0.041668
3674	475863.09	3851377.25	0.00223	0.00403	0.00106	0.00139	0.00154	0.00152	0.00409	0.00403	0.04116668	0.00017147	2.542E-09	0.0001295	0.0012777	0.0003783	0.000668	0.0006313	0.04316
3675	476363.09	3851377.25	0.00237	0.00441	0.00111	0.00143	0.00158	0.00157	0.00448	0.00441	0.04375113	0.000187639	2.662E-09	0.0001333	0.0013109	0.0003908	0.000731	0.00069083	0.045814
3676	476863.09	3851377.25	0.0025	0.00485	0.00116	0.00145	0.00166	0.00159	0.0049	0.00485	0.04615098	0.00020636	2.782E-09	0.0001351	0.0013772	0.0003957	0.0008	0.00075976	0.048306
3677	477363.09	3851377.25	0.00259	0.00533	0.0012	0.00149	0.00176	0.00161	0.0054	0.00533	0.04781242	0.000226783	2.878E-09	0.0001389	0.0014602	0.0004007	0.000881	0.00083495	0.050085
3678	477863.09	3851377.25	0.00273	0.00601	0.00114	0.00153	0.00184	0.00165	0.00612	0.00601	0.05039687	0.000255716	2.734E-09	0.0001426	0.0015266	0.0004107	0.000999	0.00094147	0.05279
3679	478363.09	3851377.25	0.00292	0.00695	0.00106	0.00158	0.00187	0.00171	0.00711	0.00695	0.05390435	0.000295712	2.542E-09	0.0001472	0.0015515	0.0004256	0.001161	0.00108873	0.056396
3680	478863.09	3851377.25	0.00317	0.00843	0.00114	0.00159	0.00183	0.00173	0.00857	0.00843	0.05851945	0.000358683	2.734E-09	0.0001482	0.0015183	0.0004306	0.001399	0.00132057	0.061053
3681	479363.09	3851377.25	0.00353	0.01089	0.00116	0.00157	0.00178	0.00166	0.01106	0.01089	0.06516519	0.000463353	2.782E-09	0.0001463	0.0014768	0.0004132	0.001805	0.00170593	0.067764
3682	479863.09	3851377.25	0.00436	0.01593	0.00106	0.00161	0.00177	0.00178	0.01625	0.01593	0.08048731	0.000677797	2.542E-09	0.00015	0.0014685	0.000443	0.002652	0.00249545	0.083384
3683	480363.09	3851377.25	0.00744	0.03465	0.00103	0.0017	0.00182	0.00186	0.03518	0.03465	0.13734532	0.001474304	2.47E-09	0.0001584	0.00151	0.0004629	0.005742	0.00542796	0.141265
3684	480863.09	3851377.25	0.0526	0.30558	0.00109	0.00167	0.00185	0.00184	0.31174	0.30558	0.97101667	0.013001958	2.614E-09	0.0001556	0.0015349	0.000458	0.050885	0.04786948	0.989183
3685	481363.09	3851377.25	0.01417	0.0559	0.00117	0.00164	0.00176	0.00185	0.05662	0.0559	0.26158377	0.002378459	2.806E-09	0.0001528	0.0014602	0.0004605	0.009242	0.0087568	0.266521
3686	481863.09	3851377.25	0.00871	0.02699	0.00119	0.00172	0.00161	0.00189	0.02737	0.02699	0.16079002	0.001148383	2.854E-09	0.0001603	0.0013357	0.0004704	0.004468	0.00422802	0.164144
3687	482363.09	3851377.25	0.00692	0.01764	0.00128	0.00173	0.00185	0.00189	0.01783	0.01764	0.12774592	0.000750555	3.07E-09	0.0001612	0.0015349	0.0004704	0.00291	0.00276333	0.13081
3688	482863.09	3851377.25	0.00561	0.01216	0.00111	0.00169	0.00199	0.00174	0.01238	0.01216	0.1035628	0.000517389	2.662E-09	0.0001575	0.001651	0.0004331	0.002021	0.00190488	0.106438
3689	483363.09	3851377.25	0.0045	0.0093	0.0011	0.00156	0.0015	0.00161	0.00948	0.0093	0.08307177	0.000395701	2.638E-09	0.0001454	0.0012445	0.0004007	0.001547	0.00145686	0.085349
3690	483863.09	3851377.25	0.00398	0.00794	0.00103	0.00151	0.00141	0.0016	0.00811	0.00794	0.07347236	0.000337835	2.47E-09	0.0001407	0.0011698	0.0003982	0.001324	0.00124381	0.075599
3691	484363.09	3851377.25	0.00408	0.00788	0.00107	0.00161	0.00179	0.00172	0.00807	0.00788	0.0753184	0.000335282	2.566E-09	0.00015	0.0014851	0.0004281	0.001317	0.00123441	0.0778
3692	484863.09	3851377.25	0.00359	0.00657	0.001	0.00147	0.00166	0.0016	0.00671	0.00657	0.06627281	0.000279543	2.398E-09	0.000137	0.0013772	0.0003982	0.001095	0.0010292	0.068531
3693	485363.09	3851377.25	0.00381	0.00669	0.00113	0.00163	0.00177	0.00179	0.00687	0.00669	0.0703341	0.000284649	2.71E-09	0.0001519	0.0014685	0.0004455	0.001121	0.001048	0.072758
3694	485863.09	3851377.25	0.0036	0.00595	0.00112	0.0016	0.00211	0.00172	0.0061	0.00595	0.06645741	0.000253163	2.686E-09	0.0001491	0.0017506	0.0004281	0.000996	0.00093207	0.069102
3695	486363.09	3851377.25	0.00364	0.00576	0.00119	0.00169	0.00228	0.00176	0.00591	0.00576	0.06719583	0.000245079	2.854E-09	0.0001575	0.0018916	0.0004381	0.000965	0.00090231	0.06999
3696	486863.09	3851377.25	0.0035	0.00536	0.00123	0.00167	0.00181	0.00175	0.0055	0.00536	0.06461138	0.00022806	2.95E-09	0.0001556	0.0015017	0.0004356	0.000898	0.00083965	0.06699
3697	487363.09	3851377.25	0.00323	0.00482	0.00121	0.00162	0.00144	0.00172	0.00495	0.00482	0.05962707	0.000205084	2.902E-09	0.000151	0.0011947	0.0004281	0.000808	0.00075506	0.061659
3698	487863.09	3851377.25	0.0033	0.0047	0.00125	0.00167	0.00156	0.0018	0.00484	0.0047	0.0609193	0.000199978	2.998E-09	0.0001556	0.0012943	0.000448	0.00079	0.00073626	0.063071
3699	488363.09	3851377.25	0.00333	0.0045	0.00131	0.00169	0.00157	0.00186	0.00463	0.0045	0.06147311	0.000191468	3.142E-09	0.0001575	0.0013026	0.0004629	0.000756	0.00070493	0.063638
3700	488863.09	3851377.25	0.00334	0.00427	0.00147	0.00174	0.00147	0.00191	0.00441	0.00427	0.06165771	0.000181682	3.526E-09	0.0001622	0.0012196	0.0004754	0.00072	0.0006689	0.063747
3701	489363.09	3851377.25	0.00333	0.00407	0.00152	0.00178	0.00162	0.00195	0.00421	0.00407	0.06147311	0.000173172	3.645E-09	0.0001659	0.001344	0.0004853	0.000687	0.00063757	0.063691

3702	489863.09	3851377.25	0.00331	0.00386	0.0015	0.0018	0.00169	0.00198	0.004	0.00386	0.0611039	0.000164237	3.598E-09	0.0001678	0.0014021	0.0004928	0.000653	0.00060467	0.063379
3703	490363.09	3851377.25	0.00331	0.00368	0.00154	0.00182	0.0016	0.00201	0.00382	0.00368	0.0611039	0.000156578	3.693E-09	0.0001696	0.0013274	0.0005003	0.000624	0.00057648	0.063305
3704	490863.09	3851377.25	0.00329	0.0035	0.0016	0.00182	0.00159	0.00202	0.00364	0.0035	0.06073469	0.00014892	3.837E-09	0.0001696	0.0013192	0.0005028	0.000594	0.00054828	0.062921
3705	491363.09	3851377.25	0.00323	0.0033	0.00167	0.00182	0.00159	0.00203	0.00345	0.0033	0.05962707	0.00014041	4.005E-09	0.0001696	0.0013192	0.0005053	0.000563	0.00051695	0.061808
3706	491863.09	3851377.25	0.00318	0.00313	0.00173	0.00183	0.00155	0.00202	0.00327	0.00313	0.05870405	0.000133177	4.149E-09	0.0001705	0.001286	0.0005028	0.000534	0.00049032	0.06084
3707	492363.09	3851377.25	0.00318	0.003	0.00176	0.00183	0.00172	0.00204	0.00313	0.003	0.05870405	0.000127645	4.221E-09	0.0001705	0.001427	0.0005077	0.000511	0.00046995	0.060978
3708	492863.09	3851377.25	0.00316	0.00285	0.00174	0.00182	0.00192	0.00205	0.00298	0.00285	0.05833484	0.000121263	4.173E-09	0.0001696	0.0015929	0.0005102	0.000486	0.00044646	0.060769
3709	493363.09	3851377.25	0.00299	0.00262	0.00171	0.00177	0.00189	0.002	0.00273	0.00262	0.05519658	0.000111477	4.101E-09	0.000165	0.001568	0.0004978	0.000446	0.00041043	0.057574
3710	493863.09	3851377.25	0.00312	0.00264	0.00177	0.00183	0.00197	0.00207	0.00276	0.00264	0.05759643	0.000112328	4.245E-09	0.0001705	0.0016344	0.0005152	0.000451	0.00041356	0.060066
3711	494363.09	3851377.25	0.00341	0.00277	0.00187	0.00193	0.0021	0.0022	0.0029	0.00277	0.06294994	0.000117859	4.485E-09	0.0001799	0.0017423	0.0005476	0.000473	0.00043392	0.065577
3712	494863.09	3851377.25	0.00348	0.00273	0.00189	0.00197	0.00211	0.00225	0.00287	0.00273	0.06424217	0.000116157	4.533E-09	0.0001836	0.0017506	0.00056	0.000468	0.00042766	0.066893
3713	495363.09	3851377.25	0.00375	0.00283	0.00196	0.00209	0.00221	0.00236	0.00299	0.00283	0.06922647	0.000120412	4.701E-09	0.0001948	0.0018335	0.0005874	0.000488	0.00044332	0.072007
3714	495863.09	3851377.25	0.00384	0.00281	0.002	0.00216	0.00233	0.00239	0.00297	0.00281	0.07088791	0.000119561	4.797E-09	0.0002013	0.0019331	0.0005949	0.000485	0.00044019	0.073781
3715	496363.09	3851377.25	0.00388	0.00277	0.00203	0.00223	0.00248	0.00241	0.00293	0.00277	0.07162633	0.000117859	4.869E-09	0.0002078	0.0020575	0.0005998	0.000478	0.00043392	0.074654
3716	496863.09	3851377.25	0.00388	0.00272	0.00206	0.00229	0.00261	0.00242	0.00287	0.00272	0.07162633	0.000115732	4.941E-09	0.0002134	0.0021654	0.0006023	0.000468	0.00042609	0.074766
3717	497363.09	3851377.25	0.00385	0.00266	0.00211	0.00232	0.00273	0.00243	0.00281	0.00266	0.07107251	0.000113179	5.06E-09	0.0002162	0.002265	0.0006048	0.000459	0.00041669	0.074314
3718	497863.09	3851377.25	0.00379	0.00259	0.00208	0.0023	0.00281	0.00241	0.00274	0.00259	0.06996489	0.000110201	4.989E-09	0.0002144	0.0023313	0.0005998	0.000447	0.00040573	0.073262
3719	498363.09	3851377.25	0.00369	0.00248	0.00204	0.00223	0.00287	0.00238	0.00261	0.00248	0.06811885	0.00010552	4.893E-09	0.0002078	0.0023811	0.0005924	0.000426	0.0003885	0.071443
3720	471363.09	3851877.25	0.0018	0.00189	0.00078	0.00115	0.00141	0.00124	0.00192	0.00189	0.03322871	8.04166E-05	1.871E-09	0.0001072	0.0011698	0.0003086	0.000313	0.00029607	0.034912
3721	471863.09	3851877.25	0.00183	0.0019	0.00079	0.00117	0.00145	0.00127	0.00194	0.0019	0.03378252	8.08421E-05	1.895E-09	0.000109	0.001203	0.0003161	0.000317	0.00029764	0.035511
3722	472363.09	3851877.25	0.00189	0.00207	0.00082	0.00125	0.0015	0.00133	0.00212	0.00207	0.03489014	8.80753E-05	1.967E-09	0.0001165	0.0012445	0.000331	0.000346	0.00032427	0.036692
3723	472863.09	3851877.25	0.00195	0.00223	0.00086	0.0013	0.00155	0.00138	0.00228	0.00223	0.03599777	9.48831E-05	2.063E-09	0.0001212	0.001286	0.0003435	0.000372	0.00034933	0.037866
3724	473363.09	3851877.25	0.00198	0.00217	0.00084	0.00129	0.00158	0.00137	0.00222	0.00217	0.03655158	9.23302E-05	2.015E-09	0.0001202	0.0013109	0.000341	0.000362	0.00033993	0.038438
3725	473863.09	3851877.25	0.00202	0.00222	0.00086	0.0013	0.00163	0.00139	0.00228	0.00222	0.03728999	9.44576E-05	2.063E-09	0.0001212	0.0013523	0.000346	0.000372	0.00034777	0.039228
3726	474363.09	3851877.25	0.0021	0.00252	0.00091	0.00134	0.00172	0.00144	0.00258	0.00252	0.03876683	0.000107222	2.182E-09	0.0001249	0.001427	0.0003584	0.000421	0.00039476	0.040811
3727	474863.09	3851877.25	0.00219	0.00287	0.00098	0.00137	0.0018	0.0015	0.00293	0.00287	0.04042826	0.000122114	2.35E-09	0.0001277	0.0014934	0.0003733	0.000478	0.00044959	0.042573
3728	475363.09	3851877.25	0.00227	0.00314	0.00105	0.0014	0.00183	0.00156	0.0032	0.00314	0.04190509	0.000133602	2.518E-09	0.0001305	0.0015183	0.0003883	0.000522	0.00049188	0.044106
3729	475863.09	3851877.25	0.00237	0.00342	0.00111	0.00143	0.00179	0.0016	0.00347	0.00342	0.04375113	0.000145516	2.662E-09	0.0001333	0.0014851	0.0003982	0.000566	0.00053575	0.045944
3730	476363.09	3851877.25	0.00249	0.00357	0.00112	0.00147	0.00171	0.00161	0.00363	0.00357	0.04596638	0.000151898	2.686E-09	0.000137	0.0014187	0.0004007	0.000593	0.00055924	0.048108
3731	476863.09	3851877.25	0.00259	0.00394	0.00116	0.00154	0.00167	0.00168	0.00401	0.00394	0.04781242	0.000167641	2.782E-09	0.0001435	0.0013855	0.0004181	0.000655	0.00061721	0.049965
3732	477363.09	3851877.25	0.00269	0.00432	0.00123	0.00159	0.00173	0.00175	0.0044	0.00432	0.04965846	0.000183809	2.95E-09	0.0001482	0.0014353	0.0004356	0.000718	0.00067673	0.051903
3733	477863.09	3851877.25	0.0028	0.00474	0.00131	0.00164	0.00186	0.00178	0.00482	0.00474	0.0516891	0.00020168	3.142E-09	0.0001528	0.0015432	0.000443	0.000787	0.00074253	0.054074
3734	478363.09	3851877.25	0.00294	0.00516	0.00128	0.00168	0.00197	0.0018	0.00526	0.00516	0.05427356	0.00021955	3.07E-09	0.0001566	0.0016344	0.000448	0.000859	0.00080832	0.056782
3735	478863.09	3851877.25	0.00302	0.00592	0.00119	0.00174	0.00206	0.00188	0.00607	0.00592	0.05575039	0.000251887	2.854E-09	0.0001622	0.0017091	0.0004679	0.000991	0.00092738	0.058405
3736	479363.09	3851877.25	0.00311	0.007	0.00127	0.00181	0.00206	0.00197	0.00715	0.007	0.05741182	0.000297839	3.046E-09	0.0001687	0.0017091	0.0004903	0.001167	0.00109656	0.060148
3737	479863.09	3851877.25	0.00333	0.00852	0.00135	0.00183	0.002	0.00194	0.00866	0.00852	0.06147311	0.000362513	3.238E-09	0.0001705	0.0016593	0.0004829	0.001414	0.00133467	0.064227
3738	480363.09	3851877.25	0.00381	0.01111	0.00122	0.00183	0.00195	0.00207	0.01131	0.01111	0.0703341	0.000472713	2.926E-09	0.0001705	0.0016178	0.0005152	0.001846	0.0017404	0.073216
3739	480863.09	3851877.25	0.00473	0.01737	0.0012	0.00196	0.00199	0.00216	0.01756	0.01737	0.08731766	0.000739067	2.878E-09	0.0001827	0.001651	0.0005376	0.002866	0.00272103	0.090573
3740	481363.09	3851877.25	0.01284	0.07802	0.00137	0.00197	0.00204	0.00225	0.07916	0.07802	0.23703145	0.003319631	3.286E-09	0.0001836	0.0016925	0.00056	0.012921	0.01222193	0.243486
3741	481863.09	3851877.25	0.01126	0.05392	0.00133	0.00192	0.00197	0.0022	0.05432	0.05392	0.20786403	0.002294213	3.19E-09	0.0001789	0.0016344	0.0005476	0.008867	0.00844663	0.212939
3742	482363.09	3851877.25	0.00802	0.02142	0.0015	0.00198	0.00176	0.00219	0.02167	0.02142	0.14805235	0.000911388	3.598E-09	0.0001845	0.0014602	0.0005451	0.003537	0.00335547	0.151335
3743	482863.09	3851877.25	0.00613	0.01323	0.00125	0.00191	0.002	0.00197	0.01349	0.01323	0.11316221	0.000562916	2.998E-09	0.000178	0.0016593	0.0004903	0.002202	0.0020725	0.116182
3744	483363.09	3851877.25	0.00541	0.01102	0.00131	0.00198	0.00212	0.002	0.0113	0.01102	0.09987073	0.000468884	3.142E-09	0.0001845	0.0017589	0.0004978	0.001844	0.0017263	0.102899
3745	483863.09	3851877.25	0.00489	0.00924	0.00127	0.00192	0.00164	0.00198	0.00951	0.00924	0.09027132	0.000393148	3.046E-09	0.0001789	0.0013606	0.0004928	0.001552	0.00144746	0.092802
3746	484363.09	3851877.25	0.00472	0.0086	0.00122	0.00198	0.00181	0.00204	0.00887	0.0086	0.08713306	0.000365917	2.926E-09	0.0001845	0.0015017	0.0005077	0.001448	0.0013472	0.089794
3747	484863.09	3851877.25	0.00447	0.00757	0.00119	0.00188	0.00212	0.0021	0.0078	0.00757	0.08251796	0.000322092	2.854E-09	0.0001752	0.0017589	0.0005227	0.001273	0.00118585	0.085384
3748	485363.09	3851877.25	0.00443	0.00703	0.00133	0.00199	0.00197	0.00216	0.00727	0.00703	0.08177954	0.000299116	3.19E-09	0.0001855	0.0016344	0.0005376	0.001187	0.00110126	0.084522
3749	485863.09	3851877.25	0.00441	0.00655	0.00146	0.00206	0.00228	0.00219	0.00679	0.00655	0.08141033	0.000278692	3.502E-09	0.000192	0.0018916	0.0005451	0.001108	0.00102607	0.0844
3750	486363.09	3851877.25	0.00426	0.00589	0.00142	0.00201	0.0026	0.00215	0.0061	0.00589	0.07864127	0.00025061	3.406E-09	0.0001873	0.0021571	0.0005351	0.000996	0.00092268	0.081844
3751	486863.09	3851877.25	0.00415	0.00551	0.0014	0.00206	0.00221	0.00216	0.00571	0.00551	0.07661063	0.000234442	3.358E-09	0.000192	0.0018335	0.0005376	0.000932	0.00086315	0.079477
3752	487363.09	3851877.25	0.00404	0.00517	0.0015	0.00207	0.00168	0.0022	0.00537	0.00517	0.07457999	0.000219976	3.598E-09	0.0001929	0.0013938	0.0005476	0.000877	0.00080989	0.077001
3753	487863.09	3851877.25	0.00382	0.00469	0.00159	0.002	0.00172	0.0022	0.00486	0.00469	0.0705187	0.000199552	3.813E-09	0.0001864	0.001427	0.0005476	0.000793	0.00073469	0.072938
3754	488363.09	3851877.25	0.00385	0.00446	0.00175	0.00203	0.00172	0.00226	0.00464	0.00446	0.07107251	0.000189766	4.197E-09	0.0001892	0.001427	0.0005625	0.000757	0.00069866	0.0735
3755	488863.09	3851877.25	0.00376	0.00416	0.00176	0.00206	0.00165	0.00227	0.00434	0.00416	0.06941108	0.000177002	4.221E-09	0.000192	0.0013689	0.000565	0.000708	0.00065167	0.071771
3756	489363.09	3851877.25	0.00369	0.0039	0.00178	0.00208	0.0018	0.00228	0.00408	0.0039	0.06811885	0.000165939	4.269E-09	0.0001938	0.0014934	0.0005675	0.000666	0.00061094	0.070595
3757	489863.09	3851877.25	0.00367	0.0037	0.00183	0.00209	0.0018	0.0023	0.00387	0.0037	0.06774964	0.000157429	4.389E-09	0.0001948	0.0014934	0.0005725	0.000632	0.00057961	0.07022
3758	490363.09	3851877.25	0.00371	0.00356	0.00191	0.00212	0.00172	0.00233	0.00374	0.00356	0.06848806	0.000151473	4.581E-09	0.0001976	0.001427	0.0005799	0.00061	0.00055768	0.070897

3759	490863.09	3851877.25	0.00378	0.00345	0.00201	0.00216	0.00175	0.00237	0.00364	0.00345	0.06978029	0.000146792	4.821E-09	0.0002013	0.0014519	0.0005899	0.000594	0.00054045	0.072224
3760	491363.09	3851877.25	0.00385	0.00337	0.00207	0.0022	0.0018	0.00241	0.00357	0.00337	0.07107251	0.000143388	4.965E-09	0.000205	0.0014934	0.0005998	0.000583	0.00052791	0.073569
3761	491863.09	3851877.25	0.00389	0.00328	0.00209	0.00224	0.00199	0.00245	0.00347	0.00328	0.07181093	0.000139559	5.013E-09	0.0002088	0.001651	0.0006098	0.000566	0.00051382	0.074473
3762	492363.09	3851877.25	0.00382	0.00312	0.00207	0.00221	0.00224	0.00244	0.00331	0.00312	0.0705187	0.000132751	4.965E-09	0.000206	0.0018584	0.0006073	0.00054	0.00048875	0.073375
3763	492863.09	3851877.25	0.00356	0.00281	0.00203	0.00209	0.00221	0.00233	0.00297	0.00281	0.065719	0.000119561	4.869E-09	0.0001948	0.0018335	0.0005799	0.000485	0.00044019	0.068491
3764	493363.09	3851877.25	0.00388	0.00296	0.00215	0.00225	0.0024	0.00248	0.00314	0.00296	0.07162633	0.000125943	5.156E-09	0.0002097	0.0019912	0.0006173	0.000513	0.00046369	0.074619
3765	493863.09	3851877.25	0.00424	0.0031	0.00226	0.00238	0.00243	0.00265	0.0033	0.0031	0.07827207	0.0001319	5.42E-09	0.0002218	0.0020161	0.0006596	0.000539	0.00048562	0.081354
3766	494363.09	3851877.25	0.00416	0.00297	0.00223	0.00235	0.00239	0.00263	0.00316	0.00297	0.07679524	0.000126369	5.348E-09	0.000219	0.0019829	0.0006546	0.000516	0.00046525	0.079829
3767	494863.09	3851877.25	0.00438	0.00301	0.0023	0.00246	0.00251	0.00273	0.00322	0.00301	0.08085652	0.000128071	5.516E-09	0.0002293	0.0020824	0.0006795	0.000526	0.00047152	0.08403
3768	495363.09	3851877.25	0.0045	0.00301	0.00236	0.00251	0.00269	0.00278	0.00321	0.00301	0.08307177	0.000128071	5.66E-09	0.0002339	0.0022318	0.0006919	0.000524	0.00047152	0.08641
3769	495863.09	3851877.25	0.00455	0.00297	0.00239	0.00261	0.0029	0.00281	0.00318	0.00297	0.08399479	0.000126369	5.732E-09	0.0002432	0.002406	0.0006994	0.000519	0.00046525	0.087524
3770	496363.09	3851877.25	0.0045	0.0029	0.00238	0.00264	0.00305	0.00278	0.0031	0.0029	0.08307177	0.000123391	5.708E-09	0.000246	0.0025304	0.0006919	0.000506	0.00045429	0.086715
3771	496863.09	3851877.25	0.00443	0.00282	0.00238	0.00267	0.00316	0.00276	0.00301	0.00282	0.08177954	0.000119987	5.708E-09	0.0002488	0.0026217	0.000687	0.000491	0.00044176	0.085507
3772	497363.09	3851877.25	0.00434	0.00274	0.00235	0.00262	0.00326	0.00274	0.00292	0.00274	0.08011811	0.000116583	5.636E-09	0.0002442	0.0027047	0.000682	0.000477	0.00042922	0.083913
3773	497863.09	3851877.25	0.00416	0.00261	0.00226	0.00252	0.00335	0.00266	0.00277	0.00261	0.07679524	0.000111051	5.42E-09	0.0002349	0.0027793	0.0006621	0.000452	0.00040886	0.080626
3774	498363.09	3851877.25	0.00401	0.0025	0.0022	0.00246	0.00345	0.00262	0.00264	0.0025	0.07402618	0.000106371	5.276E-09	0.0002293	0.0028623	0.0006521	0.000431	0.00039163	0.077916
3775	471363.09	3852377.25	0.00183	0.00166	0.00078	0.00111	0.00147	0.00122	0.00168	0.00166	0.03378252	7.06304E-05	1.871E-09	0.0001034	0.0012196	0.0003037	0.000274	0.00026004	0.035494
3776	471863.09	3852377.25	0.00191	0.0018	0.00082	0.00116	0.00152	0.00127	0.00183	0.0018	0.03525935	7.65872E-05	1.967E-09	0.0001081	0.0012611	0.0003161	0.000299	0.00028197	0.037038
3777	472363.09	3852377.25	0.00197	0.00191	0.00085	0.00121	0.00154	0.00132	0.00193	0.00191	0.03636697	8.12676E-05	2.039E-09	0.0001128	0.0012777	0.0003285	0.000315	0.0002992	0.038183
3778	472863.09	3852377.25	0.00203	0.00201	0.00089	0.00128	0.00158	0.00139	0.00204	0.00201	0.0374746	8.55224E-05	2.135E-09	0.0001193	0.0013109	0.000346	0.000333	0.00031487	0.039354
3779	473363.09	3852377.25	0.00209	0.00209	0.00094	0.00133	0.00162	0.00144	0.00212	0.00209	0.03858222	8.89263E-05	2.254E-09	0.000124	0.001344	0.0003584	0.000346	0.0003274	0.040516
3780	473863.09	3852377.25	0.00215	0.00213	0.00095	0.00138	0.00167	0.00148	0.00217	0.00213	0.03968985	9.06282E-05	2.278E-09	0.0001286	0.0013855	0.0003684	0.000354	0.00033367	0.041684
3781	474363.09	3852377.25	0.0022	0.00218	0.00097	0.00143	0.00172	0.00151	0.00223	0.00218	0.04061286	9.27556E-05	2.326E-09	0.0001333	0.001427	0.0003758	0.000364	0.0003415	0.042664
3782	474863.09	3852377.25	0.00232	0.00258	0.00102	0.00151	0.00182	0.0016	0.00264	0.00258	0.04282811	0.000109775	2.446E-09	0.0001407	0.00151	0.0003982	0.000431	0.00040416	0.045014
3783	475363.09	3852377.25	0.0024	0.00268	0.00104	0.00154	0.0019	0.00164	0.00276	0.00268	0.04430494	0.00011403	2.494E-09	0.0001435	0.0015763	0.0004082	0.000451	0.00041983	0.046578
3784	475863.09	3852377.25	0.00248	0.00279	0.00108	0.00156	0.00198	0.00168	0.00287	0.00279	0.04578177	0.00011871	2.59E-09	0.0001454	0.0016427	0.0004181	0.000468	0.00043706	0.048138
3785	476363.09	3852377.25	0.00257	0.00288	0.00113	0.00157	0.00202	0.00172	0.00296	0.00288	0.04744321	0.00012254	2.71E-09	0.0001463	0.0016759	0.0004281	0.000483	0.00045116	0.049848
3786	476863.09	3852377.25	0.00268	0.00314	0.00121	0.00161	0.002	0.00177	0.00321	0.00314	0.04947385	0.000133602	2.902E-09	0.00015	0.0016593	0.0004405	0.000524	0.00049188	0.051889
3787	477363.09	3852377.25	0.0028	0.00329	0.00124	0.00165	0.00191	0.00181	0.00335	0.00329	0.0516891	0.000139984	2.974E-09	0.0001538	0.0015846	0.0004505	0.000547	0.00051538	0.054049
3788	477863.09	3852377.25	0.00286	0.0031	0.00119	0.00166	0.00181	0.00181	0.00318	0.0031	0.05279672	0.0001319	2.854E-09	0.0001547	0.0015017	0.0004505	0.000519	0.00048562	0.055069
3789	478363.09	3852377.25	0.0029	0.00306	0.00118	0.00169	0.00186	0.00183	0.00315	0.00306	0.05353514	0.000130198	2.83E-09	0.0001575	0.0015432	0.0004555	0.000514	0.00047935	0.055856
3790	478863.09	3852377.25	0.00313	0.00375	0.0013	0.00182	0.00207	0.00195	0.00386	0.00375	0.05778103	0.000159557	3.118E-09	0.0001696	0.0017174	0.0004853	0.00063	0.00058744	0.060356
3791	479363.09	3852377.25	0.00331	0.00435	0.0013	0.00191	0.00221	0.00206	0.00449	0.00435	0.0611039	0.000185086	3.118E-09	0.000178	0.0018335	0.0005127	0.000733	0.00068143	0.063865
3792	479863.09	3852377.25	0.00341	0.00574	0.0014	0.00204	0.00232	0.00224	0.00592	0.00574	0.06294994	0.000244228	3.358E-09	0.0001901	0.0019248	0.0005575	0.000966	0.00089918	0.065934
3793	480363.09	3852377.25	0.00354	0.00745	0.00162	0.00217	0.00227	0.00236	0.00759	0.00745	0.06534979	0.000316986	3.885E-09	0.0002022	0.0018833	0.0005874	0.001239	0.00116705	0.068412
3794	480863.09	3852377.25	0.00393	0.00969	0.00146	0.00219	0.0022	0.00254	0.00988	0.00969	0.07254934	0.000412295	3.502E-09	0.0002041	0.0018252	0.0006322	0.001613	0.00151795	0.075718
3795	481363.09	3852377.25	0.00488	0.01581	0.00148	0.00233	0.00221	0.00265	0.01603	0.01581	0.09008672	0.000672691	3.55E-09	0.0002171	0.0018335	0.0006596	0.002617	0.00247666	0.09361
3796	481863.09	3852377.25	0.01471	0.09009	0.0017	0.00243	0.00228	0.00284	0.09157	0.09009	0.27155238	0.003833191	4.077E-09	0.0002265	0.0018916	0.0007069	0.014947	0.01411271	0.279045
3797	482363.09	3852377.25	0.01145	0.05024	0.00194	0.00246	0.00223	0.00303	0.05052	0.05024	0.2113715	0.002137635	4.653E-09	0.0002293	0.0018501	0.0007542	0.008246	0.00787016	0.216719
3798	482863.09	3852377.25	0.00774	0.02127	0.002	0.00268	0.00206	0.00286	0.02177	0.02127	0.14288344	0.000905006	4.797E-09	0.0002498	0.0017091	0.0007118	0.003553	0.00333197	0.146681
3799	483363.09	3852377.25	0.00666	0.01305	0.00158	0.00257	0.00241	0.00257	0.01347	0.01305	0.12294622	0.000555257	3.789E-09	0.0002395	0.0019995	0.0006397	0.002199	0.0020443	0.126535
3800	483863.09	3852377.25	0.00585	0.01005	0.0016	0.00235	0.00227	0.00241	0.0104	0.01005	0.1079933	0.000427612	3.837E-09	0.000219	0.0018833	0.0005998	0.001698	0.00157434	0.111246
3801	484363.09	3852377.25	0.00567	0.00919	0.00143	0.00246	0.00187	0.00265	0.00956	0.00919	0.10467043	0.00039102	3.43E-09	0.0002293	0.0015515	0.0006596	0.00156	0.00143962	0.107623
3802	484863.09	3852377.25	0.00554	0.0084	0.00147	0.00259	0.00241	0.00278	0.00877	0.0084	0.10227058	0.000357407	3.526E-09	0.0002414	0.0019995	0.0006919	0.001432	0.00131587	0.105676
3803	485363.09	3852377.25	0.00548	0.00773	0.00176	0.00266	0.00253	0.00292	0.00811	0.00773	0.10116295	0.0003289	4.221E-09	0.0002479	0.002099	0.0007268	0.001324	0.00121091	0.104678
3804	485863.09	3852377.25	0.00542	0.00684	0.00189	0.00267	0.00239	0.0029	0.00721	0.00684	0.10005533	0.000291031	4.533E-09	0.0002488	0.0019829	0.0007218	0.001177	0.00107149	0.103405
3805	486363.09	3852377.25	0.00521	0.00598	0.00168	0.00257	0.00291	0.00282	0.0063	0.00598	0.09617865	0.00025444	4.029E-09	0.0002395	0.0024143	0.0007019	0.001028	0.00093677	0.09988
3806	486863.09	3852377.25	0.00506	0.00551	0.0018	0.00262	0.00261	0.00283	0.00581	0.00551	0.09340959	0.000234442	4.317E-09	0.0002442	0.0021654	0.0007044	0.000948	0.00086315	0.096843
3807	487363.09	3852377.25	0.00483	0.00503	0.00199	0.00258	0.00191	0.00279	0.00531	0.00503	0.0891637	0.000214019	4.773E-09	0.0002404	0.0015846	0.0006944	0.000867	0.00078796	0.091976
3808	487863.09	3852377.25	0.00461	0.00461	0.00213	0.00254	0.00193	0.00278	0.00488	0.00461	0.08510241	0.000196148	5.108E-09	0.0002367	0.0016012	0.0006919	0.000797	0.00072216	0.087903
3809	488363.09	3852377.25	0.00443	0.00426	0.00218	0.00251	0.00191	0.00276	0.00452	0.00426	0.08177954	0.000181256	5.228E-09	0.0002339	0.0015846	0.000687	0.000738	0.00066733	0.084537
3810	488863.09	3852377.25	0.00425	0.00392	0.00219	0.00248	0.00188	0.00273	0.00417	0.00392	0.07845667	0.00016679	5.252E-09	0.0002311	0.0015598	0.0006795	0.000681	0.00061407	0.08116
3811	489363.09	3852377.25	0.00416	0.00367	0.00225	0.00247	0.00199	0.00269	0.00391	0.00367	0.07679524	0.000156153	5.396E-09	0.0002302	0.001651	0.0006695	0.000638	0.00057491	0.079565
3812	489863.09	3852377.25	0.00397	0.00339	0.00223	0.00244	0.00188	0.00263	0.00362	0.00339	0.07328776	0.000144239	5.348E-09	0.0002274	0.0015598	0.0006546	0.000591	0.00053105	0.075934
3813	490363.09	3852377.25	0.0042	0.00342	0.00234	0.00253	0.0019	0.00272	0.00366	0.00342	0.07753365	0.000145516	5.612E-09	0.0002358	0.0015763	0.000677	0.000597	0.00053575	0.08023
3814	490863.09	3852377.25	0.00437	0.0034	0.00242	0.00259	0.00198	0.00278	0.00365	0.0034	0.08067192	0.000144665	5.804E-09	0.0002414	0.0016427	0.0006919	0.000596	0.00053261	0.083456
3815	491363.09	3852377.25	0.00476	0.00352	0.00253	0.00276	0.00219	0.00294	0.0038	0.00352	0.08787147	0.000149771	6.068E-09	0.0002572	0.0018169	0.0007318	0.00062	0.00055141	0.090896

3816	491863.09	3852377.25	0.00482	0.00344	0.00257	0.00277	0.00257	0.00298	0.00372	0.00344	0.08897909	0.000146367	6.164E-09	0.0002582	0.0021322	0.0007417	0.000607	0.00053888	0.092326
3817	492363.09	3852377.25	0.00484	0.00335	0.00259	0.00277	0.0028	0.00301	0.00362	0.00335	0.0893483	0.000142537	6.212E-09	0.0002582	0.002323	0.0007492	0.000591	0.00052478	0.092887
3818	492863.09	3852377.25	0.00498	0.00333	0.00267	0.00284	0.00287	0.00308	0.00361	0.00333	0.09193276	0.000141686	6.404E-09	0.0002647	0.0023811	0.0007666	0.000589	0.00052165	0.095554
3819	493363.09	3852377.25	0.00523	0.00338	0.00276	0.00298	0.00284	0.00321	0.00368	0.00338	0.09654786	0.000143814	6.619E-09	0.0002777	0.0023562	0.000799	0.000601	0.00052948	0.100196
3820	493863.09	3852377.25	0.00519	0.00328	0.00275	0.00293	0.00279	0.00319	0.00356	0.00328	0.09580944	0.000139559	6.595E-09	0.0002731	0.0023147	0.000794	0.000581	0.00051382	0.099398
3821	494363.09	3852377.25	0.00515	0.00319	0.00274	0.00293	0.00291	0.00318	0.00346	0.00319	0.09507102	0.00013573	6.571E-09	0.0002731	0.0024143	0.0007915	0.000565	0.00049972	0.098751
3822	494863.09	3852377.25	0.00527	0.00319	0.00275	0.00298	0.00316	0.00324	0.00346	0.00319	0.09728627	0.00013573	6.595E-09	0.0002777	0.0026217	0.0008064	0.000565	0.00049972	0.101193
3823	495363.09	3852377.25	0.00537	0.00318	0.00277	0.00309	0.00346	0.0033	0.00346	0.00318	0.09913231	0.000135304	6.643E-09	0.000288	0.0028706	0.0008214	0.000565	0.00049815	0.103314
3824	495863.09	3852377.25	0.00524	0.00308	0.00273	0.00309	0.00359	0.00324	0.00334	0.00308	0.09673246	0.000131049	6.547E-09	0.000288	0.0029785	0.0008064	0.000545	0.00048249	0.100999
3825	496363.09	3852377.25	0.0051	0.00297	0.0027	0.00309	0.00371	0.00316	0.00321	0.00297	0.094148	0.000126369	6.476E-09	0.000288	0.003078	0.0007865	0.000524	0.00046525	0.098486
3826	496863.09	3852377.25	0.00499	0.00289	0.00265	0.00302	0.00386	0.00312	0.00312	0.00289	0.09211736	0.000122965	6.356E-09	0.0002815	0.0032025	0.0007766	0.000509	0.00045272	0.096557
3827	497363.09	3852377.25	0.00474	0.00275	0.00251	0.00287	0.00394	0.00301	0.00295	0.00275	0.08750226	0.000117008	6.02E-09	0.0002675	0.0032688	0.0007492	0.000482	0.00043079	0.091956
3828	497863.09	3852377.25	0.00446	0.00259	0.00241	0.00275	0.00402	0.0029	0.00276	0.00259	0.08233335	0.000110201	5.78E-09	0.0002563	0.0033352	0.0007218	0.000451	0.00040573	0.086802
3829	498363.09	3852377.25	0.00422	0.00246	0.00236	0.00268	0.00408	0.00283	0.0026	0.00246	0.07790286	0.000104669	5.66E-09	0.0002498	0.003385	0.0007044	0.000424	0.00038536	0.082386
3830	471363.09	3852877.25	0.00189	0.00161	0.00078	0.00113	0.00181	0.00125	0.00163	0.00161	0.03489014	6.8503E-05	1.871E-09	0.0001053	0.0015017	0.0003111	0.000266	0.00025221	0.036891
3831	471863.09	3852877.25	0.00197	0.00171	0.00082	0.00118	0.0018	0.0013	0.00173	0.00171	0.03636697	7.27579E-05	1.967E-09	0.00011	0.0014934	0.0003236	0.000282	0.00026787	0.038381
3832	472363.09	3852877.25	0.00204	0.0018	0.00086	0.00123	0.00177	0.00135	0.00182	0.0018	0.0376592	7.65872E-05	2.063E-09	0.0001146	0.0014685	0.000336	0.000297	0.00028197	0.03967
3833	472863.09	3852877.25	0.0021	0.00188	0.0009	0.00128	0.00174	0.0014	0.0019	0.00188	0.03876683	7.99911E-05	2.159E-09	0.0001193	0.0014436	0.0003485	0.00031	0.0002945	0.040774
3834	473363.09	3852877.25	0.00218	0.00198	0.00096	0.00134	0.00173	0.00146	0.00201	0.00198	0.04024366	8.42459E-05	2.302E-09	0.0001249	0.0014353	0.0003634	0.000328	0.00031017	0.042269
3835	473863.09	3852877.25	0.00226	0.0021	0.00102	0.00141	0.00174	0.00154	0.00213	0.0021	0.04172049	8.93518E-05	2.446E-09	0.0001314	0.0014436	0.0003833	0.000348	0.00032897	0.043787
3836	474363.09	3852877.25	0.00235	0.00223	0.00108	0.00148	0.0018	0.00161	0.00226	0.00223	0.04338192	9.48831E-05	2.59E-09	0.0001379	0.0014934	0.0004007	0.000369	0.00034933	0.045528
3837	474863.09	3852877.25	0.00241	0.00219	0.00109	0.00151	0.00183	0.00163	0.00222	0.00219	0.04448955	9.31811E-05	2.614E-09	0.0001407	0.0015183	0.0004057	0.000362	0.00034307	0.046667
3838	475363.09	3852877.25	0.00252	0.00235	0.00114	0.00158	0.00191	0.0017	0.00239	0.00235	0.04652019	9.99889E-05	2.734E-09	0.0001472	0.0015846	0.0004231	0.00039	0.00036813	0.048797
3839	475863.09	3852877.25	0.00261	0.00243	0.00116	0.00163	0.00198	0.00175	0.00249	0.00243	0.04818163	0.000103393	2.782E-09	0.0001519	0.0016427	0.0004356	0.000406	0.00038066	0.050541
3840	476363.09	3852877.25	0.00268	0.00243	0.00115	0.00166	0.00205	0.00177	0.0025	0.00243	0.04947385	0.000103393	2.758E-09	0.0001547	0.0017008	0.0004405	0.000408	0.00038066	0.051901
3841	476863.09	3852877.25	0.0027	0.00237	0.00115	0.00166	0.0021	0.00178	0.00246	0.00237	0.04984306	0.00010084	2.758E-09	0.0001547	0.0017423	0.000443	0.000402	0.00037126	0.052314
3842	477363.09	3852877.25	0.00273	0.00236	0.00118	0.00167	0.00216	0.0018	0.00243	0.00236	0.05039687	0.000100414	2.83E-09	0.0001556	0.0017921	0.000448	0.000397	0.0003697	0.05292
3843	477863.09	3852877.25	0.00274	0.00231	0.00119	0.00166	0.00213	0.00183	0.00237	0.00231	0.05058148	9.82869E-05	2.854E-09	0.0001547	0.0017672	0.0004555	0.000387	0.00036186	0.053082
3844	478363.09	3852877.25	0.00262	0.00217	0.00119	0.00164	0.00198	0.00184	0.00221	0.00217	0.04836623	9.23302E-05	2.854E-09	0.0001528	0.0016427	0.000458	0.000361	0.00033993	0.050733
3845	478863.09	3852877.25	0.00284	0.00243	0.00125	0.00175	0.00195	0.00196	0.0025	0.00243	0.05242752	0.000103393	2.998E-09	0.0001631	0.0016178	0.0004878	0.000408	0.00038066	0.054827
3846	479363.09	3852877.25	0.00326	0.00295	0.00136	0.00193	0.00208	0.00213	0.00305	0.00295	0.06018088	0.000125518	3.262E-09	0.0001799	0.0017257	0.0005301	0.000498	0.00046212	0.062778
3847	479863.09	3852877.25	0.00376	0.00405	0.00163	0.00225	0.00238	0.00245	0.00423	0.00405	0.06941108	0.000172321	3.909E-09	0.0002097	0.0019746	0.0006098	0.00069	0.00063444	0.072433
3848	480363.09	3852877.25	0.00389	0.0056	0.00178	0.00251	0.00256	0.00283	0.00581	0.0056	0.07181093	0.000238271	4.269E-09	0.0002339	0.0021239	0.0007044	0.000948	0.00087725	0.075183
3849	480863.09	3852877.25	0.00422	0.00696	0.00199	0.00263	0.00262	0.00295	0.00714	0.00696	0.07790286	0.000296137	4.773E-09	0.0002451	0.0021737	0.0007342	0.001165	0.00109029	0.081427
3850	481363.09	3852877.25	0.00474	0.00944	0.00187	0.00283	0.00254	0.0034	0.00964	0.00944	0.08750226	0.000401657	4.485E-09	0.0002637	0.0021073	0.0008462	0.001574	0.00147879	0.091216
3851	481863.09	3852877.25	0.00608	0.01584	0.00201	0.003	0.00251	0.00369	0.0161	0.01584	0.11223919	0.000673968	4.821E-09	0.0002796	0.0020824	0.0009184	0.002628	0.00248136	0.11634
3852	482363.09	3852877.25	0.01965	0.10858	0.00225	0.00328	0.00258	0.00421	0.11058	0.10858	0.36274672	0.004619912	5.396E-09	0.0003057	0.0021405	0.0010479	0.01805	0.01700919	0.371901
3853	482863.09	3852877.25	0.01333	0.0466	0.0029	0.00352	0.00256	0.00416	0.04747	0.0466	0.24607704	0.001982758	6.955E-09	0.000328	0.0021239	0.0010354	0.007748	0.00729995	0.251996
3854	483363.09	3852877.25	0.00935	0.01949	0.00205	0.00367	0.0024	0.00391	0.02021	0.01949	0.17260467	0.000829269	4.917E-09	0.000342	0.0019912	0.0009732	0.003299	0.00305313	0.176986
3855	483863.09	3852877.25	0.00822	0.01126	0.00206	0.00331	0.0028	0.00352	0.01185	0.01126	0.15174443	0.000479096	4.941E-09	0.0003085	0.002323	0.0008761	0.001934	0.00176389	0.155902
3856	484363.09	3852877.25	0.0076	0.01008	0.00192	0.0036	0.00259	0.00387	0.01073	0.01008	0.14029899	0.000428888	4.605E-09	0.0003355	0.0021488	0.0009632	0.001751	0.00157904	0.144348
3857	484863.09	3852877.25	0.00731	0.00905	0.00199	0.00378	0.0024	0.00419	0.00972	0.00905	0.13494547	0.000385064	4.773E-09	0.0003523	0.0019912	0.0010429	0.001587	0.00141769	0.138886
3858	485363.09	3852877.25	0.00699	0.00714	0.00231	0.00346	0.00274	0.00392	0.00769	0.00714	0.12903815	0.000303796	5.54E-09	0.0003225	0.0022733	0.0009757	0.001255	0.00111849	0.13305
3859	485863.09	3852877.25	0.0067	0.00625	0.00225	0.00347	0.00257	0.00388	0.00678	0.00625	0.12368463	0.000265928	5.396E-09	0.0003234	0.0021322	0.0009657	0.001107	0.00097907	0.1275
3860	486363.09	3852877.25	0.00633	0.00555	0.00237	0.00338	0.00299	0.00374	0.00603	0.00555	0.11685429	0.000236144	5.684E-09	0.000315	0.0024807	0.0009309	0.000984	0.00086941	0.120932
3861	486863.09	3852877.25	0.00612	0.00514	0.00252	0.00341	0.00287	0.0037	0.0056	0.00514	0.11297761	0.000218699	6.044E-09	0.0003178	0.0023811	0.0009209	0.000914	0.00080519	0.116925
3862	487363.09	3852877.25	0.00574	0.00469	0.00269	0.00334	0.00216	0.00359	0.00512	0.00469	0.10596266	0.000199552	6.452E-09	0.0003113	0.0017921	0.0008935	0.000836	0.00073469	0.10926
3863	487863.09	3852877.25	0.0055	0.00436	0.00287	0.00328	0.00217	0.00353	0.00477	0.00436	0.10153216	0.000185511	6.883E-09	0.0003057	0.0018004	0.0008786	0.000779	0.000683	0.104798
3864	488363.09	3852877.25	0.00464	0.00365	0.00275	0.00295	0.00206	0.00321	0.00398	0.00365	0.08565622	0.000155302	6.595E-09	0.0002749	0.0017091	0.000799	0.00065	0.00057178	0.088672
3865	488863.09	3852877.25	0.00485	0.00363	0.00275	0.00304	0.00215	0.00326	0.00397	0.00363	0.08953291	0.000154451	6.595E-09	0.0002833	0.0017838	0.0008114	0.000648	0.00056864	0.092645
3866	489363.09	3852877.25	0.0049	0.00353	0.00278	0.00307	0.00222	0.00326	0.00387	0.00353	0.09045593	0.000150196	6.667E-09	0.0002861	0.0018418	0.0008114	0.000632	0.00055298	0.093624
3867	489863.09	3852877.25	0.00492	0.00343	0.00284	0.00308	0.00213	0.00325	0.00377	0.00343	0.09082513	0.000145941	6.811E-09	0.000287	0.0017672	0.0008089	0.000615	0.00053731	0.093912
3868	490363.09	3852877.25	0.0056	0.00369	0.00302	0.00336	0.00226	0.0035	0.00408	0.00369	0.1033782	0.000157004	7.243E-09	0.0003131	0.001875	0.0008711	0.000666	0.00057804	0.106682
3869	490863.09	3852877.25	0.00586	0.0037	0.00314	0.00347	0.00245	0.0036	0.00411	0.0037	0.1081779	0.000157429	7.531E-09	0.0003234	0.0020327	0.000896	0.000671	0.00057961	0.111679
3870	491363.09	3852877.25	0.00605	0.0037	0.00327	0.00355	0.00293	0.00368	0.00412	0.0037	0.11168538	0.000157429	7.843E-09	0.0003308	0.0024309	0.0009159	0.000673	0.00057961	0.115613
3871	491863.09	3852877.25	0.00608	0.00364	0.00332	0.00353	0.00333	0.0037	0.00404	0.00364	0.11223919	0.000154876	7.962E-09	0.000329	0.0027628	0.0009209	0.000659	0.00057021	0.116496
3872	492363.09	3852877.25	0.00616	0.00359	0.00335	0.00354	0.00343	0.00373	0.004	0.00359	0.11371602	0.000152749	8.034E-09	0.0003299	0.0028457	0.0009284	0.000653	0.00056238	0.118063

3873	492863.09	3852877.25	0.00635	0.0036	0.0033	0.00364	0.00339	0.00383	0.00403	0.0036	0.1172235	0.000153174	7.915E-09	0.0003392	0.0028125	0.0009533	0.000658	0.00056394	0.121576
3874	493363.09	3852877.25	0.00642	0.00358	0.00327	0.00368	0.00343	0.00388	0.004	0.00358	0.11851572	0.000152323	7.843E-09	0.000343	0.0028457	0.0009657	0.000653	0.00056081	0.122915
3875	493863.09	3852877.25	0.00635	0.00348	0.00325	0.00365	0.00363	0.00384	0.00388	0.00348	0.1172235	0.000148069	7.795E-09	0.0003402	0.0030116	0.0009558	0.000633	0.00054515	0.121767
3876	494363.09	3852877.25	0.00629	0.0034	0.00319	0.0036	0.0039	0.00382	0.00378	0.0034	0.11611587	0.000144665	7.651E-09	0.0003355	0.0032357	0.0009508	0.000617	0.00053261	0.120867
3877	494863.09	3852877.25	0.00627	0.00335	0.00319	0.00362	0.00419	0.00382	0.00371	0.00335	0.11574666	0.000142537	7.651E-09	0.0003374	0.0034763	0.0009508	0.000606	0.00052478	0.120734
3878	495363.09	3852877.25	0.00606	0.00322	0.00314	0.00358	0.00429	0.00373	0.00355	0.00322	0.11186998	0.000137006	7.531E-09	0.0003336	0.0035592	0.0009284	0.000579	0.00050442	0.116903
3879	495863.09	3852877.25	0.00584	0.0031	0.00309	0.00356	0.00443	0.00362	0.0034	0.0031	0.1078087	0.0001319	7.411E-09	0.0003318	0.0036754	0.000901	0.000555	0.00048562	0.112918
3880	496363.09	3852877.25	0.00575	0.00304	0.00303	0.00348	0.00466	0.00357	0.00332	0.00304	0.10614726	0.000129347	7.267E-09	0.0003243	0.0038662	0.0008886	0.000542	0.00047622	0.111421
3881	496863.09	3852877.25	0.00559	0.00294	0.00295	0.00337	0.00488	0.0035	0.00321	0.00294	0.1031936	0.000125092	7.075E-09	0.0003141	0.0040487	0.0008711	0.000524	0.00046055	0.108616
3882	497363.09	3852877.25	0.00513	0.00274	0.00277	0.00317	0.00485	0.0033	0.00296	0.00274	0.09470182	0.000116583	6.643E-09	0.0002954	0.0040238	0.0008214	0.000483	0.00042922	0.100013
3883	497863.09	3852877.25	0.00442	0.00243	0.00256	0.00288	0.00458	0.00302	0.00257	0.00243	0.08159494	0.000103393	6.14E-09	0.0002684	0.0037998	0.0007517	0.000419	0.00038066	0.086557
3884	498363.09	3852877.25	0.00429	0.00236	0.00252	0.00286	0.00455	0.00298	0.00248	0.00236	0.07919509	0.000100414	6.044E-09	0.0002665	0.0037749	0.0007417	0.000405	0.0003697	0.084114
3885	471363.09	3853377.25	0.00192	0.00156	0.00076	0.00113	0.0018	0.00126	0.00158	0.00156	0.03544395	6.63756E-05	1.823E-09	0.0001053	0.0014934	0.0003136	0.000258	0.00024438	0.037436
3886	471863.09	3853377.25	0.002	0.00163	0.00079	0.00118	0.00192	0.00131	0.00166	0.00163	0.03692079	6.9354E-05	1.895E-09	0.00011	0.0015929	0.0003261	0.000271	0.00025534	0.039035
3887	472363.09	3853377.25	0.00208	0.0017	0.00083	0.00124	0.00202	0.00137	0.00173	0.0017	0.03839762	7.23324E-05	1.991E-09	0.0001156	0.0016759	0.000341	0.000282	0.00026631	0.040618
3888	472863.09	3853377.25	0.00216	0.00178	0.00088	0.00129	0.00208	0.00143	0.0018	0.00178	0.03987445	7.57363E-05	2.111E-09	0.0001202	0.0017257	0.0003559	0.000294	0.00027884	0.042167
3889	473363.09	3853377.25	0.00223	0.00184	0.00093	0.00134	0.00208	0.00148	0.00187	0.00184	0.04116668	7.82892E-05	2.23E-09	0.0001249	0.0017257	0.0003684	0.000305	0.00028824	0.043481
3890	473863.09	3853377.25	0.00231	0.00191	0.00098	0.0014	0.00206	0.00153	0.00194	0.00191	0.04264351	8.12676E-05	2.35E-09	0.0001305	0.0017091	0.0003808	0.000317	0.0002992	0.044963
3891	474363.09	3853377.25	0.0024	0.00198	0.00103	0.00146	0.00201	0.00159	0.002	0.00198	0.04430494	8.42459E-05	2.47E-09	0.0001361	0.0016676	0.0003957	0.000326	0.00031017	0.046605
3892	474863.09	3853377.25	0.00248	0.00198	0.00107	0.00149	0.00197	0.00163	0.00201	0.00198	0.04578177	8.42459E-05	2.566E-09	0.0001389	0.0016344	0.0004057	0.000328	0.00031017	0.048063
3893	475363.09	3853377.25	0.00257	0.00203	0.0011	0.00154	0.00197	0.00169	0.00206	0.00203	0.04744321	8.63734E-05	2.638E-09	0.0001435	0.0016344	0.0004206	0.000336	0.000318	0.049746
3894	475863.09	3853377.25	0.00267	0.00209	0.00115	0.00159	0.00201	0.00175	0.00211	0.00209	0.04928925	8.89263E-05	2.758E-09	0.0001482	0.0016676	0.0004356	0.000344	0.0003274	0.051647
3895	476363.09	3853377.25	0.00272	0.00207	0.00118	0.00161	0.00205	0.00176	0.00209	0.00207	0.05021227	8.80753E-05	2.83E-09	0.00015	0.0017008	0.0004381	0.000341	0.00032427	0.052606
3896	476863.09	3853377.25	0.00266	0.002	0.00118	0.0016	0.00207	0.00177	0.00201	0.002	0.04910465	8.50969E-05	2.83E-09	0.0001491	0.0017174	0.0004405	0.000328	0.0003133	0.051512
3897	477363.09	3853377.25	0.00273	0.00204	0.00123	0.00164	0.00213	0.00182	0.00207	0.00204	0.05039687	8.67989E-05	2.95E-09	0.0001528	0.0017672	0.000453	0.000338	0.00031957	0.052875
3898	477863.09	3853377.25	0.00284	0.0021	0.00129	0.0017	0.00222	0.0019	0.00213	0.0021	0.05242752	8.93518E-05	3.094E-09	0.0001584	0.0018418	0.0004729	0.000348	0.00032897	0.055009
3899	478363.09	3853377.25	0.00282	0.00203	0.00133	0.0017	0.00226	0.00194	0.00206	0.00203	0.05205831	8.63734E-05	3.19E-09	0.0001584	0.001875	0.0004829	0.000336	0.000318	0.054679
3900	478863.09	3853377.25	0.00274	0.00196	0.00134	0.0017	0.0022	0.00197	0.00197	0.00196	0.05058148	8.3395E-05	3.214E-09	0.0001584	0.0018252	0.0004903	0.000322	0.00030704	0.053153
3901	479363.09	3853377.25	0.00329	0.00242	0.00151	0.00199	0.00233	0.00224	0.00247	0.00242	0.06073469	0.000102967	3.621E-09	0.0001855	0.0019331	0.0005575	0.000403	0.0003791	0.063538
3902	479863.09	3853377.25	0.00395	0.00302	0.00169	0.0023	0.00234	0.00256	0.00312	0.00302	0.07291855	0.000128496	4.053E-09	0.0002144	0.0019414	0.0006372	0.000509	0.00047309	0.075876
3903	480363.09	3853377.25	0.00457	0.00416	0.00216	0.00277	0.00257	0.0031	0.00432	0.00416	0.084364	0.000177002	5.18E-09	0.0002582	0.0021322	0.0007716	0.000705	0.00065167	0.087756
3904	480863.09	3853377.25	0.00511	0.00441	0.00211	0.00299	0.00279	0.00343	0.00467	0.00441	0.09433261	0.000187639	5.06E-09	0.0002787	0.0023147	0.0008537	0.000762	0.00069083	0.098039
3905	481363.09	3853377.25	0.0057	0.00642	0.00256	0.00351	0.00302	0.00418	0.00664	0.00642	0.10522424	0.000273161	6.14E-09	0.0003271	0.0025056	0.0010404	0.001084	0.0010057	0.109449
3906	481863.09	3853377.25	0.00695	0.01009	0.00263	0.00404	0.00298	0.00553	0.01021	0.01009	0.12829973	0.000429314	6.308E-09	0.0003765	0.0024724	0.0013764	0.001667	0.00158061	0.13304
3907	482363.09	3853377.25	0.01107	0.01984	0.00304	0.00476	0.00292	0.00703	0.0198	0.01984	0.20435655	0.000844161	7.291E-09	0.0004436	0.0024226	0.0017497	0.003232	0.00310796	0.209941
3908	482863.09	3853377.25	0.04663	0.12947	0.00425	0.00575	0.00298	0.00785	0.14211	0.12947	0.86080813	0.005508749	1.019E-08	0.0005359	0.0024724	0.0019538	0.023196	0.02028163	0.874194
3909	483363.09	3853377.25	0.01617	0.02529	0.00289	0.00625	0.00301	0.00775	0.02744	0.02529	0.29850456	0.00107605	6.931E-09	0.0005825	0.0024973	0.0019289	0.004479	0.00396171	0.305107
3910	483863.09	3853377.25	0.01275	0.01484	0.00298	0.00639	0.00286	0.00789	0.01655	0.01484	0.23537001	0.000631419	7.147E-09	0.0005955	0.0023728	0.0019638	0.002701	0.0023247	0.24131
3911	484363.09	3853377.25	0.01136	0.01136	0.00293	0.00685	0.00342	0.00823	0.01298	0.01136	0.20971006	0.00048335	7.027E-09	0.0006384	0.0028374	0.0020484	0.002119	0.00177956	0.216057
3912	484863.09	3853377.25	0.01089	0.00831	0.00328	0.00648	0.00287	0.00726	0.00973	0.00831	0.20103368	0.000353578	7.867E-09	0.0006039	0.0023811	0.001807	0.001588	0.00130177	0.206466
3913	485363.09	3853377.25	0.00956	0.00639	0.00318	0.00548	0.00266	0.0061	0.00745	0.00639	0.17648136	0.000271885	7.627E-09	0.0005107	0.0022069	0.0015183	0.001216	0.001001	0.181204
3914	485863.09	3853377.25	0.00786	0.00537	0.00342	0.00484	0.00272	0.00533	0.00621	0.00537	0.14509869	0.000228485	8.202E-09	0.0004511	0.0022567	0.0013266	0.001014	0.00084122	0.149534
3915	486363.09	3853377.25	0.00786	0.00512	0.00359	0.00488	0.00316	0.00524	0.00595	0.00512	0.14509869	0.000217848	8.61E-09	0.0004548	0.0026217	0.0013042	0.000971	0.00080205	0.149866
3916	486863.09	3853377.25	0.00771	0.00484	0.00385	0.00484	0.00329	0.00507	0.00564	0.00484	0.14232963	0.000205935	9.234E-09	0.0004511	0.0027296	0.0012619	0.000921	0.00075819	0.147141
3917	487363.09	3853377.25	0.00778	0.00471	0.00413	0.00492	0.00267	0.00502	0.00552	0.00471	0.14362186	0.000200403	9.905E-09	0.0004585	0.0022152	0.0012495	0.000901	0.00073783	0.147909
3918	487863.09	3853377.25	0.00772	0.00456	0.00412	0.0049	0.00258	0.00494	0.00535	0.00456	0.14251423	0.000194021	9.881E-09	0.0004567	0.0021405	0.0012295	0.000873	0.00071433	0.146694
3919	488363.09	3853377.25	0.0078	0.00447	0.00418	0.0049	0.00258	0.00492	0.00525	0.00447	0.14399107	0.000190192	1.003E-08	0.0004567	0.0021405	0.0012246	0.000857	0.00070023	0.14816
3920	488863.09	3853377.25	0.00773	0.0043	0.00407	0.00481	0.00269	0.00479	0.00504	0.0043	0.14269884	0.000182958	9.761E-09	0.0004483	0.0022318	0.0011922	0.000823	0.0006736	0.146903
3921	489363.09	3853377.25	0.00762	0.00415	0.00401	0.0047	0.0028	0.00467	0.00486	0.00415	0.14066819	0.000176576	9.617E-09	0.000438	0.002323	0.0011623	0.000793	0.0006501	0.144911
3922	489863.09	3853377.25	0.00741	0.00399	0.00395	0.00453	0.00267	0.00451	0.00464	0.00399	0.13679151	0.000169768	9.473E-09	0.0004222	0.0022152	0.0011225	0.000757	0.00062504	0.140854
3923	490363.09	3853377.25	0.00757	0.00398	0.00407	0.00458	0.00286	0.00455	0.00463	0.00398	0.13974518	0.000169343	9.761E-09	0.0004268	0.0023728	0.0011325	0.000756	0.00062347	0.143979
3924	490863.09	3853377.25	0.00764	0.00393	0.00407	0.00459	0.00337	0.00454	0.00457	0.00393	0.1410374	0.000167215	9.761E-09	0.0004278	0.0027959	0.00113	0.000746	0.00061564	0.145689
3925	491363.09	3853377.25	0.0077	0.00388	0.0041	0.00457	0.00396	0.00454	0.0045	0.00388	0.14214503	0.000165088	9.833E-09	0.0004259	0.0032854	0.00113	0.000735	0.00060781	0.147278
3926	491863.09	3853377.25	0.00767	0.00382	0.0041	0.00447	0.00417	0.00454	0.00441	0.00382	0.14159121	0.000162535	9.833E-09	0.0004166	0.0034597	0.00113	0.00072	0.00059841	0.146881
3927	492363.09	3853377.25	0.00773	0.00381	0.00401	0.00448	0.00408	0.00458	0.00439	0.00381	0.14269884	0.00016211	9.617E-09	0.0004175	0.003385	0.0011399	0.000717	0.00059684	0.147923
3928	492863.09	3853377.25	0.00776	0.0038	0.00393	0.00453	0.0042	0.00462	0.00436	0.0038	0.14325265	0.000161684	9.425E-09	0.0004222	0.0034846	0.0011499	0.000712	0.00059527	0.148587
3929	493363.09	3853377.25	0.00766	0.00374	0.00395	0.00445	0.00458	0.00459	0.00427	0.00374	0.14140661	0.000159131	9.473E-09	0.0004147	0.0037998	0.0011424	0.000697	0.00058588	0.147034

3930	493863.09	3853377.25	0.00755	0.00367	0.00386	0.00442	0.00494	0.00454	0.00416	0.00367	0.13937597	0.000156153	9.258E-09	0.0004119	0.0040985	0.00113	0.000679	0.00057491	0.145277
3931	494363.09	3853377.25	0.00734	0.00355	0.00378	0.00424	0.00518	0.00442	0.004	0.00355	0.13549928	0.000151047	9.066E-09	0.0003952	0.0042976	0.0011001	0.000653	0.00055611	0.14154
3932	494863.09	3853377.25	0.00709	0.00342	0.00371	0.00416	0.00537	0.0043	0.00382	0.00342	0.13088419	0.000145516	8.898E-09	0.0003877	0.0044552	0.0010703	0.000624	0.00053575	0.137031
3933	495363.09	3853377.25	0.00691	0.00334	0.00368	0.00422	0.00555	0.00422	0.00371	0.00334	0.12756132	0.000142112	8.826E-09	0.0003933	0.0046046	0.0010503	0.000606	0.00052322	0.133834
3934	495863.09	3853377.25	0.00666	0.00323	0.00355	0.00402	0.0058	0.00411	0.00356	0.00323	0.12294622	0.000137432	8.514E-09	0.0003746	0.004812	0.001023	0.000581	0.00050598	0.129368
3935	496363.09	3853377.25	0.00635	0.00309	0.00337	0.00383	0.00596	0.00395	0.00338	0.00309	0.1172235	0.000131475	8.082E-09	0.0003569	0.0049447	0.0009831	0.000552	0.00048405	0.123707
3936	496863.09	3853377.25	0.00592	0.00289	0.00316	0.00363	0.00589	0.00376	0.00315	0.00289	0.10928553	0.000122965	7.579E-09	0.0003383	0.0048867	0.0009359	0.000514	0.00045272	0.115631
3937	497363.09	3853377.25	0.00533	0.00266	0.00295	0.00341	0.00552	0.00352	0.00286	0.00266	0.09839389	0.000113179	7.075E-09	0.0003178	0.0045797	0.0008761	0.000467	0.00041669	0.104331
3938	497863.09	3853377.25	0.00437	0.00226	0.00261	0.00301	0.00498	0.0031	0.00238	0.00226	0.08067192	9.61595E-05	6.26E-09	0.0002805	0.0041317	0.0007716	0.000388	0.00035403	0.085986
3939	498363.09	3853377.25	0.00393	0.00206	0.0024	0.0028	0.0046	0.00288	0.00215	0.00206	0.07254934	8.76498E-05	5.756E-09	0.0002609	0.0038164	0.0007168	0.000351	0.0003227	0.077459
3940	471363.09	3853877.25	0.0019	0.00151	0.00076	0.00111	0.00154	0.00126	0.00151	0.00151	0.03507475	6.42482E-05	1.823E-09	0.0001034	0.0012777	0.0003136	0.000246	0.00023654	0.036844
3941	471863.09	3853877.25	0.00199	0.00158	0.00078	0.00118	0.00165	0.00132	0.00159	0.00158	0.03673618	6.72266E-05	1.871E-09	0.00011	0.0013689	0.0003285	0.00026	0.00024751	0.038623
3942	472363.09	3853877.25	0.00208	0.00163	0.00081	0.00123	0.00178	0.00136	0.00164	0.00163	0.03839762	6.9354E-05	1.943E-09	0.0001146	0.0014768	0.0003385	0.000268	0.00025534	0.040409
3943	472863.09	3853877.25	0.00217	0.00169	0.00085	0.00128	0.00192	0.00142	0.00171	0.00169	0.04005905	7.19069E-05	2.039E-09	0.0001193	0.0015929	0.0003534	0.000279	0.00026474	0.042211
3944	473363.09	3853877.25	0.00225	0.00173	0.00088	0.00133	0.00207	0.00148	0.00175	0.00173	0.04153588	7.36088E-05	2.111E-09	0.000124	0.0017174	0.0003684	0.000286	0.00027101	0.043834
3945	473863.09	3853877.25	0.00234	0.00177	0.00093	0.00138	0.00221	0.00153	0.0018	0.00177	0.04319732	7.53108E-05	2.23E-09	0.0001286	0.0018335	0.0003808	0.000294	0.00027727	0.045632
3946	474363.09	3853877.25	0.00245	0.00183	0.00098	0.00144	0.00232	0.0016	0.00186	0.00183	0.04522796	7.78637E-05	2.35E-09	0.0001342	0.0019248	0.0003982	0.000304	0.00028667	0.04778
3947	474863.09	3853877.25	0.00255	0.00188	0.00104	0.00149	0.00238	0.00166	0.0019	0.00188	0.047074	7.99911E-05	2.494E-09	0.0001389	0.0019746	0.0004132	0.00031	0.0002945	0.049696
3948	475363.09	3853877.25	0.00262	0.00187	0.00108	0.00152	0.00235	0.00169	0.00189	0.00187	0.04836623	7.95656E-05	2.59E-09	0.0001417	0.0019497	0.0004206	0.000309	0.00029294	0.050973
3949	475863.09	3853877.25	0.00263	0.0018	0.00111	0.00152	0.00227	0.00171	0.00182	0.0018	0.04855083	7.65872E-05	2.662E-09	0.0001417	0.0018833	0.0004256	0.000297	0.00028197	0.051093
3950	476363.09	3853877.25	0.00255	0.00176	0.00113	0.0015	0.00214	0.00172	0.00175	0.00176	0.047074	7.48853E-05	2.71E-09	0.0001398	0.0017755	0.0004281	0.000286	0.00027571	0.049502
3951	476863.09	3853877.25	0.00247	0.00169	0.00115	0.00148	0.00206	0.00173	0.00166	0.00169	0.04559717	7.19069E-05	2.758E-09	0.0001379	0.0017091	0.0004306	0.000271	0.00026474	0.047953
3952	477363.09	3853877.25	0.00266	0.00179	0.00122	0.00156	0.00212	0.00182	0.00177	0.00179	0.04910465	7.61617E-05	2.926E-09	0.0001454	0.0017589	0.000453	0.000289	0.00028041	0.051547
3953	477863.09	3853877.25	0.00285	0.00192	0.00133	0.00167	0.00222	0.00191	0.00189	0.00192	0.05261212	8.1693E-05	3.19E-09	0.0001556	0.0018418	0.0004754	0.000309	0.00030077	0.055174
3954	478363.09	3853877.25	0.00301	0.00198	0.00142	0.00174	0.00232	0.00201	0.00196	0.00198	0.05556578	8.42459E-05	3.406E-09	0.0001622	0.0019248	0.0005003	0.00032	0.00031017	0.058247
3955	478863.09	3853877.25	0.00288	0.00183	0.00146	0.00171	0.00225	0.00204	0.0018	0.00183	0.05316593	7.78637E-05	3.502E-09	0.0001594	0.0018667	0.0005077	0.000294	0.00028667	0.055785
3956	479363.09	3853877.25	0.00331	0.00208	0.00164	0.0019	0.00252	0.00227	0.00205	0.00208	0.0611039	8.85008E-05	3.933E-09	0.0001771	0.0020907	0.000565	0.000335	0.00032583	0.064034
3957	479863.09	3853877.25	0.00424	0.00267	0.00194	0.00236	0.00288	0.0027	0.0027	0.00267	0.07827207	0.000113604	4.653E-09	0.0002199	0.0023894	0.000672	0.000441	0.00041826	0.08169
3958	480363.09	3853877.25	0.00507	0.00329	0.00234	0.00284	0.00295	0.00323	0.00339	0.00329	0.09359419	0.000139984	5.612E-09	0.0002647	0.0024475	0.0008039	0.000553	0.00051538	0.097288
3959	480863.09	3853877.25	0.00591	0.00446	0.00306	0.0035	0.00297	0.00411	0.00457	0.00446	0.10910092	0.000189766	7.339E-09	0.0003262	0.0024641	0.001023	0.000746	0.00069866	0.113151
3960	481363.09	3853877.25	0.00688	0.00577	0.00371	0.00418	0.00315	0.00543	0.00584	0.00577	0.1270075	0.000245505	8.898E-09	0.0003896	0.0026134	0.0013515	0.000953	0.00090388	0.131657
3961	481863.09	3853877.25	0.00871	0.00859	0.00459	0.00514	0.00339	0.0083	0.00806	0.00859	0.16079002	0.000365491	1.101E-08	0.000479	0.0028125	0.0020658	0.001316	0.00134563	0.166483
3962	482363.09	3853877.25	0.01439	0.01527	0.00468	0.00746	0.00354	0.01803	0.01301	0.01527	0.26564506	0.000649715	1.122E-08	0.0006952	0.002937	0.0044876	0.002124	0.00239206	0.274146
3963	482863.09	3853877.25	0.07506	0.27233	0.00604	0.01784	0.00354	0.13757	0.07161	0.27233	1.3856371	0.011587221	1.449E-08	0.0016626	0.002937	0.0342407	0.011689	0.04266083	1.405093
3964	483363.09	3853877.25	0.05159	0.0293	0.00525	0.0587	0.0036	0.085	0.04599	0.0293	0.95237168	0.00124667	1.259E-08	0.0054706	0.0029868	0.0211562	0.007507	0.00458988	0.986149
3965	483863.09	3853877.25	0.02775	0.0169	0.00521	0.03189	0.00364	0.03285	0.02518	0.0169	0.51227591	0.000719069	1.25E-08	0.002972	0.0030199	0.0081763	0.00411	0.00264741	0.528626
3966	484363.09	3853877.25	0.02115	0.01117	0.00617	0.02052	0.00347	0.01956	0.01685	0.01117	0.39043731	0.000475266	1.48E-08	0.0019124	0.0028789	0.0048684	0.00275	0.00174979	0.401573
3967	484863.09	3853877.25	0.0176	0.00812	0.0061	0.01415	0.00384	0.01332	0.01186	0.00812	0.32490292	0.000345493	1.463E-08	0.0013187	0.0031859	0.0033153	0.001936	0.00127201	0.333732
3968	485363.09	3853877.25	0.01326	0.00601	0.00604	0.00991	0.00298	0.00955	0.00835	0.00601	0.24478481	0.000255716	1.449E-08	0.0009236	0.0024724	0.002377	0.001363	0.00094147	0.251235
3969	485863.09	3853877.25	0.01304	0.0056	0.00644	0.00942	0.00328	0.00889	0.00781	0.0056	0.24072353	0.000238271	1.545E-08	0.0008779	0.0027213	0.0022127	0.001275	0.00087725	0.247171
3970	486363.09	3853877.25	0.01197	0.00522	0.0064	0.00847	0.00367	0.00801	0.00711	0.00522	0.2209709	0.000222103	1.535E-08	0.0007894	0.0030448	0.0019937	0.001161	0.00081772	0.227364
3971	486863.09	3853877.25	0.01109	0.00493	0.00611	0.00767	0.00411	0.00724	0.00654	0.00493	0.20472576	0.000209764	1.465E-08	0.0007148	0.0034099	0.001802	0.001068	0.00077229	0.211157
3972	487363.09	3853877.25	0.0109	0.00485	0.00591	0.0074	0.00349	0.00689	0.00634	0.00485	0.20121828	0.00020636	1.417E-08	0.0006896	0.0028955	0.0017149	0.001035	0.00075976	0.207
3973	487863.09	3853877.25	0.01107	0.00489	0.00606	0.00746	0.00319	0.00688	0.00639	0.00489	0.20435655	0.000208062	1.453E-08	0.0006952	0.0026466	0.0017124	0.001043	0.00076602	0.209896
3974	488363.09	3853877.25	0.01086	0.00479	0.00606	0.0072	0.0032	0.00666	0.00618	0.00479	0.20047987	0.000203807	1.453E-08	0.000671	0.0026549	0.0016577	0.001009	0.00075036	0.205926
3975	488863.09	3853877.25	0.0108	0.00476	0.00586	0.00711	0.00357	0.00658	0.0061	0.00476	0.19937224	0.000202531	1.405E-08	0.0006626	0.0029619	0.0016377	0.000996	0.00074566	0.205087
3976	489363.09	3853877.25	0.01036	0.00451	0.00554	0.00659	0.0036	0.00616	0.00567	0.00451	0.19124967	0.000191894	1.329E-08	0.0006142	0.0029868	0.0015332	0.000926	0.0007065	0.196795
3977	489863.09	3853877.25	0.01022	0.00443	0.00553	0.00637	0.00363	0.00601	0.00549	0.00443	0.18866522	0.00018849	1.326E-08	0.0005937	0.0030116	0.0014959	0.000896	0.00069396	0.194157
3978	490363.09	3853877.25	0.00994	0.00428	0.00538	0.0061	0.00413	0.0058	0.00523	0.00428	0.18349631	0.000182107	1.29E-08	0.0005685	0.0034265	0.0014436	0.000854	0.00067047	0.1893
3979	490863.09	3853877.25	0.00978	0.00419	0.0053	0.00593	0.00497	0.00566	0.00507	0.00419	0.18054264	0.000178278	1.271E-08	0.0005527	0.0041234	0.0014088	0.000828	0.00065637	0.186977
3980	491363.09	3853877.25	0.00962	0.00413	0.00523	0.00576	0.00529	0.00557	0.00494	0.00413	0.17758898	0.000175725	1.254E-08	0.0005368	0.0043889	0.0013864	0.000806	0.00064697	0.184236
3981	491863.09	3853877.25	0.00942	0.00407	0.00501	0.00555	0.00509	0.0055	0.00482	0.00407	0.1738969	0.000173172	1.202E-08	0.0005172	0.0042229	0.0013689	0.000787	0.00063757	0.180328
3982	492363.09	3853877.25	0.00931	0.00407	0.00492	0.00547	0.00543	0.00548	0.00478	0.00407	0.17186626	0.000173172	1.18E-08	0.0005098	0.004505	0.001364	0.00078	0.00063757	0.178561
3983	492863.09	3853877.25	0.00915	0.00403	0.00485	0.00541	0.00602	0.00545	0.00468	0.00403	0.1689126	0.00017147	1.163E-08	0.0005042	0.0049945	0.0013565	0.000764	0.0006313	0.176072
3984	493363.09	3853877.25	0.00893	0.00392	0.0047	0.00534	0.00643	0.00536	0.00452	0.00392	0.16485131	0.00016679	1.127E-08	0.0004977	0.0053347	0.0013341	0.000738	0.00061407	0.172308
3985	493863.09	3853877.25	0.00868	0.0038	0.00457	0.00508	0.00679	0.00521	0.00434	0.0038	0.16023621	0.000161684	1.096E-08	0.0004734	0.0056334	0.0012968	0.000708	0.00059527	0.167915
3986	494363.09	3853877.25	0.00845	0.00371	0.00445	0.00499	0.00714	0.00509	0.0042	0.00371	0.15599032	0.000157855	1.067E-08	0.000465	0.0059237	0.0012669	0.000686	0.00058118	0.163908

3987	494863.09	3853877.25	0.00816	0.00358	0.00429	0.00504	0.00741	0.00494	0.00402	0.00358	0.15063681	0.000152323	1.029E-08	0.0004697	0.0061477	0.0012295	0.000656	0.00056081	0.158732
3988	495363.09	3853877.25	0.0076	0.00335	0.00395	0.00456	0.00731	0.00463	0.00372	0.00335	0.14029899	0.000142537	9.473E-09	0.000425	0.0060648	0.0011524	0.000607	0.00052478	0.148166
3989	495863.09	3853877.25	0.00704	0.00316	0.00367	0.00425	0.00718	0.0044	0.00347	0.00316	0.12996117	0.000134453	8.802E-09	0.0003961	0.0059569	0.0010951	0.000566	0.00049502	0.137615
3990	496363.09	3853877.25	0.00668	0.00303	0.00351	0.00411	0.00704	0.00425	0.0033	0.00303	0.12331543	0.000128922	8.418E-09	0.000383	0.0058408	0.0010578	0.000539	0.00047465	0.13079
3991	496863.09	3853877.25	0.00605	0.00281	0.00327	0.00389	0.00664	0.00398	0.00303	0.00281	0.11168538	0.000119561	7.843E-09	0.0003625	0.0055089	0.0009906	0.000495	0.00044019	0.118721
3992	497363.09	3853877.25	0.00554	0.00263	0.0031	0.0037	0.00624	0.00375	0.0028	0.00263	0.10227058	0.000111902	7.435E-09	0.0003448	0.005177	0.0009334	0.000457	0.00041199	0.108883
3993	497863.09	3853877.25	0.00488	0.00239	0.00287	0.00346	0.00579	0.00348	0.00251	0.00239	0.09008672	0.000101691	6.883E-09	0.0003225	0.0048037	0.0008662	0.00041	0.0003744	0.096216
3994	498363.09	3853877.25	0.00452	0.00223	0.0027	0.00334	0.00548	0.00329	0.00234	0.00223	0.08344098	9.48831E-05	6.476E-09	0.0003113	0.0045465	0.0008189	0.000382	0.00034933	0.089245
3995	471363.09	3854377.25	0.00184	0.00146	0.00077	0.00111	0.00138	0.00128	0.00146	0.00146	0.03396712	6.21207E-05	1.847E-09	0.0001034	0.0011449	0.0003186	0.000238	0.00022871	0.035606
3996	471863.09	3854377.25	0.00193	0.00153	0.0008	0.00117	0.00146	0.00134	0.00153	0.00153	0.03562856	6.50991E-05	1.919E-09	0.000109	0.0012113	0.0003335	0.00025	0.00023968	0.037358
3997	472363.09	3854377.25	0.00202	0.00158	0.00082	0.00121	0.00155	0.00138	0.00158	0.00158	0.03728999	6.72266E-05	1.967E-09	0.0001128	0.001286	0.0003435	0.000258	0.00024751	0.03911
3998	472863.09	3854377.25	0.00211	0.00161	0.00085	0.00126	0.00164	0.00143	0.00162	0.00161	0.03895143	6.8503E-05	2.039E-09	0.0001174	0.0013606	0.0003559	0.000264	0.00025221	0.040866
3999	473363.09	3854377.25	0.00222	0.00167	0.00088	0.00131	0.00175	0.00148	0.00167	0.00167	0.04098207	7.10559E-05	2.111E-09	0.0001221	0.0014519	0.0003684	0.000273	0.00026161	0.043006
4000	473863.09	3854377.25	0.00234	0.00173	0.00092	0.00138	0.00189	0.00154	0.00174	0.00173	0.04319732	7.36088E-05	2.206E-09	0.0001286	0.001568	0.0003833	0.000284	0.00027101	0.045364
4001	474363.09	3854377.25	0.00246	0.00178	0.00096	0.00144	0.00205	0.00161	0.00179	0.00178	0.04541257	7.57363E-05	2.302E-09	0.0001342	0.0017008	0.0004007	0.000292	0.00027884	0.047737
4002	474863.09	3854377.25	0.00255	0.00175	0.00099	0.00148	0.00218	0.00165	0.00176	0.00175	0.047074	7.44598E-05	2.374E-09	0.0001379	0.0018086	0.0004107	0.000287	0.00027414	0.049519
4003	475363.09	3854377.25	0.00259	0.00167	0.00101	0.00147	0.00228	0.00167	0.00168	0.00167	0.04781242	7.10559E-05	2.422E-09	0.000137	0.0018916	0.0004157	0.000274	0.00026161	0.05034
4004	475863.09	3854377.25	0.00238	0.00151	0.00104	0.0014	0.00214	0.00163	0.0015	0.00151	0.04393574	6.42482E-05	2.494E-09	0.0001305	0.0017755	0.0004057	0.000245	0.00023654	0.04632
4005	476363.09	3854377.25	0.00236	0.00152	0.00108	0.00142	0.0022	0.00167	0.0015	0.00152	0.04356653	6.46737E-05	2.59E-09	0.0001323	0.0018252	0.0004157	0.000245	0.00023811	0.046011
4006	476863.09	3854377.25	0.00243	0.00156	0.00115	0.00146	0.00226	0.00172	0.00153	0.00156	0.04485876	6.63756E-05	2.758E-09	0.0001361	0.001875	0.0004281	0.00025	0.00024438	0.04737
4007	477363.09	3854377.25	0.00251	0.00161	0.00122	0.00151	0.0023	0.0018	0.00158	0.00161	0.04633559	6.8503E-05	2.926E-09	0.0001407	0.0019082	0.000448	0.000258	0.00025221	0.048907
4008	477863.09	3854377.25	0.00265	0.00168	0.00129	0.00159	0.00233	0.0019	0.00164	0.00168	0.04892004	7.14814E-05	3.094E-09	0.0001482	0.0019331	0.0004729	0.000268	0.00026317	0.05155
4009	478363.09	3854377.25	0.00292	0.00181	0.00139	0.00171	0.00242	0.00204	0.00176	0.00181	0.05390435	7.70127E-05	3.334E-09	0.0001594	0.0020078	0.0005077	0.000287	0.00028354	0.05666
4010	478863.09	3854377.25	0.00316	0.0019	0.00151	0.00182	0.0025	0.00215	0.00184	0.0019	0.05833484	8.08421E-05	3.621E-09	0.0001696	0.0020741	0.0005351	0.0003	0.00029764	0.061197
4011	479363.09	3854377.25	0.00382	0.00219	0.00171	0.00209	0.00275	0.00243	0.00215	0.00219	0.0705187	9.31811E-05	4.101E-09	0.0001948	0.0022816	0.0006048	0.000351	0.00034307	0.073701
4012	479863.09	3854377.25	0.00451	0.00243	0.00199	0.00234	0.00299	0.00274	0.00242	0.00243	0.08325637	0.000103393	4.773E-09	0.0002181	0.0024807	0.000682	0.000395	0.00038066	0.086755
4013	480363.09	3854377.25	0.00549	0.00289	0.00249	0.00279	0.00331	0.00326	0.0029	0.00289	0.10134756	0.000122965	5.972E-09	0.00026	0.0027462	0.0008114	0.000473	0.00045272	0.105309
4014	480863.09	3854377.25	0.00684	0.00373	0.00323	0.00347	0.00366	0.00422	0.00373	0.00373	0.12626909	0.000158706	7.747E-09	0.0003234	0.0030365	0.0010503	0.000609	0.00058431	0.130863
4015	481363.09	3854377.25	0.00822	0.00498	0.00449	0.00442	0.00375	0.00585	0.00481	0.00498	0.15174443	0.000211891	1.077E-08	0.0004119	0.0031112	0.001456	0.000785	0.00078012	0.156941
4016	481863.09	3854377.25	0.01044	0.00782	0.00762	0.00553	0.00376	0.01021	0.00643	0.00782	0.1927265	0.000332729	1.828E-08	0.0005154	0.0031195	0.0025412	0.00105	0.00122501	0.19906
4017	482363.09	3854377.25	0.01728	0.01325	0.01115	0.0077	0.00393	0.02289	0.00861	0.01325	0.31899559	0.000563767	2.674E-08	0.0007176	0.0032605	0.0056972	0.001405	0.00207563	0.328565
4018	482863.09	3854377.25	0.08152	0.20358	0.01447	0.01392	0.00427	0.09094	0.015	0.20358	1.50489124	0.008662015	3.47E-08	0.0012973	0.0035426	0.0226347	0.002448	0.03189105	1.511585
4019	483363.09	3854377.25	0.10943	0.03528	0.01502	0.0422	0.00445	0.04836	0.05667	0.03528	2.02012081	0.00150111	3.602E-08	0.0039329	0.003692	0.0120366	0.00925	0.00552665	2.045007
4020	483863.09	3854377.25	0.06672	0.01637	0.01818	0.27701	0.00434	0.13583	0.09185	0.01637	1.23167742	0.000696518	4.36E-08	0.0258162	0.0036007	0.0338076	0.014993	0.00256438	1.308027
4021	484363.09	3854377.25	0.04057	0.01066	0.01858	0.05668	0.00441	0.03718	0.03136	0.01066	0.74893815	0.000453567	4.456E-08	0.0052823	0.0036588	0.009254	0.005119	0.0016699	0.771036
4022	484863.09	3854377.25	0.02702	0.0079	0.01591	0.02799	0.004	0.02061	0.01734	0.0079	0.49879982	0.000336133	3.816E-08	0.0026086	0.0033186	0.0051298	0.00283	0.00123754	0.511786
4023	485363.09	3854377.25	0.02464	0.0075	0.01404	0.02364	0.00454	0.01794	0.01519	0.0075	0.45486408	0.000319113	3.367E-08	0.0022032	0.0037666	0.0044652	0.002479	0.00117488	0.466923
4024	485863.09	3854377.25	0.02003	0.00623	0.01135	0.01665	0.00392	0.01333	0.01111	0.00623	0.36976167	0.000265077	2.722E-08	0.0015517	0.0032522	0.0033178	0.001813	0.00097594	0.378986
4025	486363.09	3854377.25	0.01861	0.00578	0.0106	0.01448	0.00458	0.01192	0.00978	0.00578	0.34354791	0.00024593	2.542E-08	0.0013495	0.0037998	0.0029668	0.001596	0.00090544	0.352601
4026	486863.09	3854377.25	0.01671	0.00526	0.00923	0.01213	0.00526	0.01027	0.00831	0.00526	0.30847317	0.000223805	2.214E-08	0.0011305	0.004364	0.0025562	0.001356	0.00082399	0.31728
4027	487363.09	3854377.25	0.01591	0.00514	0.00885	0.01114	0.00508	0.00952	0.00777	0.00514	0.29370485	0.000218699	2.123E-08	0.0010382	0.0042146	0.0023695	0.001268	0.00080519	0.302009
4028	487863.09	3854377.25	0.01535	0.00523	0.00857	0.01055	0.00416	0.00911	0.00757	0.00523	0.28336703	0.000222528	2.055E-08	0.0009832	0.0034514	0.0022674	0.001236	0.00081929	0.290708
4029	488363.09	3854377.25	0.01465	0.0052	0.00832	0.00985	0.00419	0.00864	0.00724	0.0052	0.27044476	0.000221252	1.995E-08	0.000918	0.0034763	0.0021505	0.001182	0.00081459	0.277578
4030	488863.09	3854377.25	0.01404	0.00511	0.00799	0.00922	0.0048	0.00822	0.00689	0.00511	0.25918392	0.000217423	1.916E-08	0.0008593	0.0039823	0.0020459	0.001125	0.00080049	0.266613
4031	489363.09	3854377.25	0.01347	0.00499	0.00757	0.00866	0.00493	0.00781	0.00653	0.00499	0.24866149	0.000212317	1.816E-08	0.0008071	0.0040902	0.0019439	0.001066	0.00078169	0.255999
4032	489863.09	3854377.25	0.01292	0.00483	0.00711	0.00814	0.00553	0.00747	0.00618	0.00483	0.23850828	0.000205509	1.705E-08	0.0007586	0.004588	0.0018593	0.001009	0.00075663	0.246172
4033	490363.09	3854377.25	0.01241	0.00466	0.00672	0.00766	0.00658	0.0071	0.00584	0.00466	0.22909348	0.000198276	1.612E-08	0.0007139	0.0054591	0.0017672	0.000953	0.00072999	0.237455
4034	490863.09	3854377.25	0.01144	0.00421	0.00596	0.00676	0.00629	0.00633	0.00516	0.00421	0.2111869	0.000179129	1.429E-08	0.00063	0.0052185	0.0015755	0.000842	0.0006595	0.218973
4035	491363.09	3854377.25	0.01137	0.00431	0.00598	0.0068	0.00666	0.00648	0.00522	0.00431	0.20989467	0.000183384	1.434E-08	0.0006337	0.0055255	0.0016129	0.000852	0.00067517	0.218027
4036	491863.09	3854377.25	0.01114	0.00436	0.00588	0.00667	0.00741	0.0065	0.0052	0.00436	0.20564878	0.000185511	1.41E-08	0.0006216	0.0061477	0.0016178	0.000849	0.000683	0.214387
4037	492363.09	3854377.25	0.01083	0.00432	0.00573	0.00647	0.00823	0.00642	0.00509	0.00432	0.19992606	0.000183809	1.374E-08	0.000603	0.0068281	0.0015979	0.000831	0.00067673	0.209293
4038	492863.09	3854377.25	0.0105	0.00422	0.00553	0.00631	0.00901	0.00629	0.00491	0.00422	0.19383413	0.000179554	1.326E-08	0.0005881	0.0074752	0.0015656	0.000801	0.00066107	0.203783
4039	493363.09	3854377.25	0.01015	0.00409	0.00527	0.00615	0.00956	0.00611	0.00471	0.00409	0.18737299	0.000174023	1.264E-08	0.0005732	0.0079315	0.0015208	0.000769	0.0006407	0.197701
4040	493863.09	3854377.25	0.0098	0.00396	0.00501	0.00581	0.00992	0.00592	0.00451	0.00396	0.18091185	0.000168492	1.202E-08	0.0005415	0.0082302	0.0014735	0.000736	0.00062034	0.191441
4041	494363.09	3854377.25	0.00946	0.00383	0.00484	0.00596	0.00999	0.00572	0.00433	0.00383	0.17463532	0.000162961	1.161E-08	0.0005554	0.0082883	0.0014237	0.000707	0.00059997	0.185172
4042	494863.09	3854377.25	0.00865	0.0035	0.00438	0.0052	0.00924	0.00525	0.0039	0.0035	0.1596824	0.00014892	1.05E-08	0.0004846	0.007666	0.0013067	0.000637	0.00054828	0.169377
4043	495363.09	3854377.25	0.00755	0.00314	0.00394	0.00462	0.00843	0.00478	0.00346	0.00314	0.13937597	0.000133602	9.449E-09	0.0004306	0.006994	0.0011897	0.000565	0.00049188	0.148197

4044	495863.09	3854377.25	0.00677	0.00291	0.00364	0.00435	0.00789	0.0045	0.00316	0.00291	0.12497686	0.000123816	8.73E-09	0.0004054	0.006546	0.00112	0.000516	0.00045586	0.133232
4045	496363.09	3854377.25	0.0064	0.00279	0.00349	0.00424	0.00756	0.00433	0.003	0.00279	0.11814652	0.00011871	8.37E-09	0.0003952	0.0062722	0.0010777	0.00049	0.00043706	0.126063
4046	496863.09	3854377.25	0.0059	0.00265	0.0033	0.00409	0.00719	0.00408	0.00281	0.00265	0.10891632	0.000112753	7.915E-09	0.0003812	0.0059652	0.0010155	0.000459	0.00041513	0.116435
4047	497363.09	3854377.25	0.0052	0.00242	0.00305	0.00385	0.00668	0.00376	0.00253	0.00242	0.09599404	0.000102967	7.315E-09	0.0003588	0.0055421	0.0009359	0.000413	0.0003791	0.102968
4048	497863.09	3854377.25	0.00524	0.00244	0.00304	0.00394	0.00667	0.00379	0.00255	0.00244	0.09673246	0.000103818	7.291E-09	0.0003672	0.0055338	0.0009433	0.000416	0.00038223	0.103715
4049	498363.09	3854377.25	0.00485	0.00231	0.00287	0.00382	0.00631	0.00359	0.0024	0.00231	0.08953291	9.82869E-05	6.883E-09	0.000356	0.0052351	0.0008935	0.000392	0.00036186	0.096146
4050	471363.09	3854877.25	0.00181	0.00144	0.00076	0.00111	0.00141	0.00127	0.00144	0.00144	0.03341331	6.12698E-05	1.823E-09	0.0001034	0.0011698	0.0003161	0.000235	0.00022558	0.035073
4051	471863.09	3854877.25	0.00189	0.00149	0.00079	0.00116	0.00147	0.00133	0.00149	0.00149	0.03489014	6.33972E-05	1.895E-09	0.0001081	0.0012196	0.000331	0.000243	0.00023341	0.036622
4052	472363.09	3854877.25	0.00197	0.00153	0.00082	0.00121	0.00151	0.00139	0.00153	0.00153	0.03636697	6.50991E-05	1.967E-09	0.0001128	0.0012528	0.000346	0.00025	0.00023968	0.038154
4053	472863.09	3854877.25	0.00205	0.00154	0.00085	0.00124	0.00155	0.00144	0.00154	0.00154	0.03784381	6.55246E-05	2.039E-09	0.0001156	0.001286	0.0003584	0.000251	0.00024124	0.039679
4054	473363.09	3854877.25	0.00216	0.0016	0.00089	0.0013	0.00162	0.00151	0.0016	0.0016	0.03987445	6.80775E-05	2.135E-09	0.0001212	0.001344	0.0003758	0.000261	0.00025064	0.041794
4055	473863.09	3854877.25	0.00227	0.00166	0.00093	0.00136	0.0017	0.00158	0.00166	0.00166	0.04190509	7.06304E-05	2.23E-09	0.0001267	0.0014104	0.0003933	0.000271	0.00026004	0.043917
4056	474363.09	3854877.25	0.00241	0.00174	0.00098	0.00144	0.00181	0.00166	0.00174	0.00174	0.04448955	7.40343E-05	2.35E-09	0.0001342	0.0015017	0.0004132	0.000284	0.00027257	0.046624
4057	474863.09	3854877.25	0.00246	0.00162	0.00097	0.00142	0.00182	0.00162	0.00162	0.00162	0.04541257	6.89285E-05	2.326E-09	0.0001323	0.00151	0.0004032	0.000264	0.00025377	0.047538
4058	475363.09	3854877.25	0.00238	0.0015	0.00099	0.00139	0.00179	0.00161	0.00148	0.0015	0.04393574	6.38227E-05	2.374E-09	0.0001295	0.0014851	0.0004007	0.000242	0.00023498	0.046022
4059	475863.09	3854877.25	0.00228	0.00141	0.00101	0.00137	0.00184	0.0016	0.00138	0.00141	0.0420897	5.99933E-05	2.422E-09	0.0001277	0.0015266	0.0003982	0.000225	0.00022088	0.044207
4060	476363.09	3854877.25	0.00209	0.0013	0.00102	0.00132	0.00188	0.00157	0.00125	0.0013	0.03858222	5.5313E-05	2.446E-09	0.000123	0.0015598	0.0003908	0.000204	0.00020365	0.040711
4061	476863.09	3854877.25	0.00218	0.00132	0.00106	0.00137	0.00203	0.00163	0.00128	0.00132	0.04024366	5.6164E-05	2.542E-09	0.0001277	0.0016842	0.0004057	0.000209	0.00020678	0.04252
4062	477363.09	3854877.25	0.0024	0.00144	0.00116	0.00146	0.00223	0.00174	0.00139	0.00144	0.04430494	6.12698E-05	2.782E-09	0.0001361	0.0018501	0.0004331	0.000227	0.00022558	0.046787
4063	477863.09	3854877.25	0.00259	0.00156	0.00125	0.00156	0.00241	0.00186	0.00151	0.00156	0.04781242	6.63756E-05	2.998E-09	0.0001454	0.0019995	0.0004629	0.000246	0.00024438	0.050489
4064	478363.09	3854877.25	0.00301	0.00176	0.00141	0.0017	0.00262	0.00206	0.00171	0.00176	0.05556578	7.48853E-05	3.382E-09	0.0001584	0.0021737	0.0005127	0.000279	0.00027571	0.058489
4065	478863.09	3854877.25	0.00355	0.00202	0.0016	0.00192	0.00294	0.00232	0.00197	0.00202	0.0655344	8.59479E-05	3.837E-09	0.0001789	0.0024392	0.0005774	0.000322	0.00031644	0.068821
4066	479363.09	3854877.25	0.00438	0.00229	0.00183	0.00225	0.00327	0.00265	0.00226	0.00229	0.08085652	9.7436E-05	4.389E-09	0.0002097	0.002713	0.0006596	0.000369	0.00035873	0.084546
4067	479863.09	3854877.25	0.00527	0.0026	0.00211	0.00267	0.00356	0.00305	0.0026	0.0026	0.09728627	0.000110626	5.06E-09	0.0002488	0.0029536	0.0007591	0.000424	0.00040729	0.101376
4068	480363.09	3854877.25	0.00621	0.0029	0.00242	0.00309	0.00366	0.00354	0.00295	0.0029	0.11463904	0.000123391	5.804E-09	0.000288	0.0030365	0.0008811	0.000482	0.00045429	0.118995
4069	480863.09	3854877.25	0.00748	0.00357	0.003	0.00375	0.00391	0.00449	0.00362	0.00357	0.13808374	0.000151898	7.195E-09	0.0003495	0.003244	0.0011175	0.000591	0.00055924	0.142978
4070	481363.09	3854877.25	0.00915	0.0044	0.00411	0.00445	0.00424	0.00575	0.00427	0.0044	0.1689126	0.000187213	9.857E-09	0.0004147	0.0035177	0.0014312	0.000697	0.00068927	0.174471
4071	481863.09	3854877.25	0.01258	0.00504	0.00576	0.00527	0.00456	0.00721	0.00473	0.00504	0.23223174	0.000214444	1.381E-08	0.0004911	0.0037832	0.0017945	0.000772	0.00078952	0.238498
4072	482363.09	3854877.25	0.01883	0.01	0.01406	0.00667	0.00472	0.0171	0.00618	0.01	0.3476092	0.000425485	3.372E-08	0.0006216	0.003916	0.0042561	0.001009	0.00156651	0.356271
4073	482863.09	3854877.25	0.08328	0.0242	0.06642	0.00916	0.0049	0.05843	0.00783	0.0242	1.53738153	0.001029673	1.593E-07	0.0008537	0.0040653	0.014543	0.001278	0.00379096	1.55536
4074	483363.09	3854877.25	0.1151	0.11658	1.36499	0.01359	0.00523	0.07591	0.01103	0.11658	2.12479124	0.004960299	3.274E-06	0.0012665	0.0043391	0.0188937	0.0018	0.0182624	2.137792
4075	483863.09	3854877.25	0.12908	0.02868	0.19176	0.02664	0.00572	0.03778	0.02107	0.02868	2.38286753	0.00122029	4.599E-07	0.0024827	0.0047456	0.0094033	0.003439	0.00449276	2.399666
4076	484363.09	3854877.25	0.13533	0.0155	0.06176	0.11035	0.00573	0.11932	0.12829	0.0155	2.49824499	0.000659501	1.481E-07	0.0102842	0.0047539	0.0296983	0.020941	0.00242809	2.562154
4077	484863.09	3854877.25	0.07102	0.01157	0.03296	0.19305	0.00592	0.08641	0.08215	0.01157	1.31105711	0.000492286	7.905E-08	0.0179915	0.0049116	0.0215072	0.013409	0.00181245	1.367556
4078	485363.09	3854877.25	0.04577	0.0094	0.02171	0.05786	0.00602	0.03598	0.03138	0.0094	0.84493219	0.000399956	5.207E-08	0.0053923	0.0049945	0.0089553	0.005122	0.00147252	0.868324
4079	485863.09	3854877.25	0.03517	0.00802	0.01666	0.03294	0.00615	0.02298	0.01921	0.00802	0.64925202	0.000341239	3.996E-08	0.0030699	0.0051024	0.0057196	0.003136	0.00125634	0.665364
4080	486363.09	3854877.25	0.02876	0.00702	0.01381	0.02289	0.00618	0.01715	0.0139	0.00702	0.5309209	0.00029869	3.312E-08	0.0021333	0.0051273	0.0042686	0.002269	0.00109969	0.543918
4081	486863.09	3854877.25	0.02473	0.00633	0.01205	0.01786	0.00721	0.01405	0.01112	0.00633	0.45652552	0.000269332	2.89E-08	0.0016645	0.0059818	0.003497	0.001815	0.0009916	0.468762
4082	487363.09	3854877.25	0.02233	0.00596	0.01127	0.01558	0.00795	0.01261	0.00975	0.00596	0.41222058	0.000253589	2.703E-08	0.001452	0.0065958	0.0031386	0.001591	0.00093364	0.424318
4083	487863.09	3854877.25	0.02035	0.00571	0.01082	0.01394	0.00593	0.01153	0.00881	0.00571	0.375669	0.000242952	2.595E-08	0.0012992	0.0049199	0.0028698	0.001438	0.00089448	0.385544
4084	488363.09	3854877.25	0.01878	0.00561	0.0103	0.01271	0.00618	0.01072	0.00819	0.00561	0.34668618	0.000238697	2.47E-08	0.0011845	0.0051273	0.0026682	0.001337	0.00087881	0.356363
4085	488863.09	3854877.25	0.01761	0.0056	0.00973	0.01176	0.00724	0.01016	0.00777	0.0056	0.32508752	0.000238271	2.334E-08	0.001096	0.0060067	0.0025288	0.001268	0.00087725	0.335348
4086	489363.09	3854877.25	0.01653	0.00548	0.00906	0.01086	0.0082	0.00959	0.00731	0.00548	0.3051503	0.000233166	2.173E-08	0.0010121	0.0068032	0.0023869	0.001193	0.00085845	0.31592
4087	489863.09	3854877.25	0.01551	0.0052	0.00829	0.00992	0.00905	0.00888	0.00676	0.0052	0.2863207	0.000221252	1.988E-08	0.0009245	0.0075084	0.0022102	0.001103	0.00081459	0.297474
4088	490363.09	3854877.25	0.01404	0.0045	0.00682	0.00829	0.0084	0.00754	0.00569	0.0045	0.25918392	0.000191468	1.636E-08	0.0007726	0.0069691	0.0018767	0.000929	0.00070493	0.269218
4089	490863.09	3854877.25	0.01142	0.00386	0.00567	0.00666	0.00772	0.00633	0.00463	0.00386	0.21081769	0.000164237	1.36E-08	0.0006207	0.0064049	0.0015755	0.000756	0.00060467	0.219734
4090	491363.09	3854877.25	0.0117	0.00395	0.00555	0.00675	0.00856	0.00643	0.00473	0.00395	0.2159866	0.000168066	1.331E-08	0.0006291	0.0071018	0.0016004	0.000772	0.00061877	0.225639
4091	491863.09	3854877.25	0.01275	0.00462	0.00646	0.00787	0.01194	0.00755	0.00553	0.00462	0.23537001	0.000196574	1.549E-08	0.0007335	0.0099061	0.0018792	0.000903	0.00072373	0.248264
4092	492363.09	3854877.25	0.01229	0.00459	0.00638	0.00762	0.01345	0.00746	0.00539	0.00459	0.22687823	0.000195297	1.53E-08	0.0007102	0.0111589	0.0018568	0.00088	0.00071903	0.24096
4093	492863.09	3854877.25	0.01181	0.00444	0.00603	0.0076	0.01392	0.00724	0.00515	0.00444	0.21801724	0.000188915	1.446E-08	0.0007083	0.0115488	0.001802	0.000841	0.00069553	0.23241
4094	493363.09	3854877.25	0.01132	0.00425	0.00566	0.00691	0.01386	0.00697	0.00489	0.00425	0.20897165	0.000180831	1.357E-08	0.000644	0.011499	0.0017348	0.000798	0.00066577	0.223163
4095	493863.09	3854877.25	0.01088	0.0041	0.0055	0.00711	0.01362	0.00671	0.00468	0.0041	0.20084908	0.000174449	1.319E-08	0.0006626	0.0112999	0.0016701	0.000764	0.00064227	0.214778
4096	494363.09	3854877.25	0.00981	0.00363	0.0048	0.00599	0.01169	0.00594	0.00409	0.00363	0.18109646	0.000154451	1.151E-08	0.0005582	0.0096987	0.0014784	0.000668	0.00056864	0.193085
4097	494863.09	3854877.25	0.00811	0.00317	0.00418	0.00512	0.01009	0.00523	0.00348	0.00317	0.14971379	0.000134879	1.003E-08	0.0004772	0.0083712	0.0013017	0.000568	0.00049658	0.16007
4098	495363.09	3854877.25	0.00703	0.00288	0.00379	0.00474	0.00918	0.0048	0.0031	0.00288	0.12977656	0.00012254	9.09E-09	0.0004417	0.0076162	0.0011947	0.000506	0.00045116	0.139207
4099	495863.09	3854877.25	0.00642	0.00272	0.00355	0.00456	0.00862	0.00454	0.00289	0.00272	0.11851572	0.000115732	8.514E-09	0.000425	0.0071516	0.00113	0.000472	0.00042609	0.127384
4100	496363.09	3854877.25	0.00569	0.0025	0.00328	0.00433	0.00798	0.00418	0.00261	0.0025	0.10503964	0.000106371	7.867E-09	0.0004035	0.0066206	0.0010404	0.000426	0.00039163	0.113245

4101	496863.09	3854877.25	0.00526	0.00236	0.00309	0.00419	0.00746	0.00393	0.00245	0.00236	0.09710167	0.000100414	7.411E-09	0.0003905	0.0061892	0.0009782	0.0004	0.0003697	0.10479
4102	497363.09	3854877.25	0.0051	0.00232	0.00302	0.00417	0.00714	0.00385	0.0024	0.00232	0.094148	9.87124E-05	7.243E-09	0.0003886	0.0059237	0.0009583	0.000392	0.00036343	0.101546
4103	497863.09	3854877.25	0.00525	0.0024	0.0031	0.0043	0.00724	0.00395	0.00248	0.0024	0.09691706	0.000102116	7.435E-09	0.0004007	0.0060067	0.0009831	0.000405	0.00037596	0.104439
4104	498363.09	3854877.25	0.00513	0.00237	0.00304	0.00426	0.00701	0.00391	0.00244	0.00237	0.09470182	0.00010084	7.291E-09	0.000397	0.0058159	0.0009732	0.000398	0.00037126	0.102016
4105	471363.09	3855377.25	0.00176	0.00141	0.00073	0.00108	0.00143	0.00123	0.00142	0.00141	0.03249029	5.99933E-05	1.751E-09	0.0001007	0.0011864	0.0003061	0.000232	0.00022088	0.034154
4106	471863.09	3855377.25	0.00184	0.00144	0.00076	0.00113	0.00149	0.00128	0.00145	0.00144	0.03396712	6.12698E-05	1.823E-09	0.0001053	0.0012362	0.0003186	0.000237	0.00022558	0.0357
4107	472363.09	3855377.25	0.00194	0.00149	0.0008	0.00118	0.00157	0.00135	0.0015	0.00149	0.03581316	6.33972E-05	1.919E-09	0.00011	0.0013026	0.000336	0.000245	0.00023341	0.037637
4108	472863.09	3855377.25	0.00202	0.00151	0.00083	0.00124	0.00162	0.00142	0.00152	0.00151	0.03728999	6.42482E-05	1.991E-09	0.0001156	0.001344	0.0003534	0.000248	0.00023654	0.039179
4109	473363.09	3855377.25	0.00213	0.00158	0.00088	0.00131	0.00171	0.00151	0.00159	0.00158	0.03932064	6.72266E-05	2.111E-09	0.0001221	0.0014187	0.0003758	0.00026	0.00024751	0.041317
4110	473863.09	3855377.25	0.00224	0.00164	0.00094	0.00139	0.00179	0.0016	0.00165	0.00164	0.04135128	6.97795E-05	2.254E-09	0.0001295	0.0014851	0.0003982	0.000269	0.00025691	0.043446
4111	474363.09	3855377.25	0.00237	0.00169	0.00097	0.00146	0.00187	0.00168	0.0017	0.00169	0.04375113	7.19069E-05	2.326E-09	0.0001361	0.0015515	0.0004181	0.000277	0.00026474	0.045941
4112	474863.09	3855377.25	0.00243	0.00158	0.00097	0.00143	0.00181	0.00166	0.00159	0.00158	0.04485876	6.72266E-05	2.326E-09	0.0001333	0.0015017	0.0004132	0.00026	0.00024751	0.046986
4113	475363.09	3855377.25	0.00201	0.00128	0.00093	0.00127	0.00154	0.00152	0.00126	0.00128	0.03710539	5.4462E-05	2.23E-09	0.0001184	0.0012777	0.0003783	0.000206	0.00020051	0.038939
4114	475863.09	3855377.25	0.00194	0.00123	0.00095	0.00124	0.00155	0.00152	0.00119	0.00123	0.03581316	5.23346E-05	2.278E-09	0.0001156	0.001286	0.0003783	0.000194	0.00019268	0.037647
4115	476363.09	3855377.25	0.0021	0.00131	0.00101	0.00133	0.00168	0.00161	0.00127	0.00131	0.03876683	5.57385E-05	2.422E-09	0.000124	0.0013938	0.0004007	0.000207	0.00020521	0.040743
4116	476863.09	3855377.25	0.0022	0.00134	0.00106	0.00137	0.00179	0.00167	0.00129	0.00134	0.04061286	5.70149E-05	2.542E-09	0.0001277	0.0014851	0.0004157	0.000211	0.00020991	0.042699
4117	477363.09	3855377.25	0.00236	0.00141	0.00112	0.00146	0.00193	0.00176	0.00136	0.00141	0.04356653	5.99933E-05	2.686E-09	0.0001361	0.0016012	0.0004381	0.000222	0.00022088	0.045803
4118	477863.09	3855377.25	0.00268	0.00156	0.00121	0.00159	0.00212	0.00192	0.00151	0.00156	0.04947385	6.63756E-05	2.902E-09	0.0001482	0.0017589	0.0004779	0.000246	0.00024438	0.051927
4119	478363.09	3855377.25	0.00311	0.00173	0.00135	0.00176	0.00236	0.0021	0.00169	0.00173	0.05741182	7.36088E-05	3.238E-09	0.000164	0.001958	0.0005227	0.000276	0.00027101	0.060135
4120	478863.09	3855377.25	0.00359	0.00192	0.00148	0.00196	0.00267	0.00232	0.00188	0.00192	0.06627281	8.1693E-05	3.55E-09	0.0001827	0.0022152	0.0005774	0.000307	0.00030077	0.069336
4121	479363.09	3855377.25	0.00437	0.00214	0.00168	0.00227	0.00319	0.00264	0.00214	0.00214	0.08067192	9.10537E-05	4.029E-09	0.0002116	0.0026466	0.0006571	0.000349	0.00033523	0.084292
4122	479863.09	3855377.25	0.00522	0.00239	0.00196	0.00263	0.00365	0.00304	0.00242	0.00239	0.09636325	0.000101691	4.701E-09	0.0002451	0.0030282	0.0007566	0.000395	0.0003744	0.100516
4123	480363.09	3855377.25	0.00647	0.00279	0.00249	0.00323	0.00448	0.00367	0.00289	0.00279	0.11943874	0.00011871	5.972E-09	0.000301	0.0037169	0.0009135	0.000472	0.00043706	0.124523
4124	480863.09	3855377.25	0.00777	0.00344	0.00355	0.00387	0.00492	0.00459	0.00345	0.00344	0.14343725	0.000146367	8.514E-09	0.0003607	0.0040819	0.0011424	0.000563	0.00053888	0.149193
4125	481363.09	3855377.25	0.00911	0.00441	0.00515	0.00452	0.00522	0.00602	0.00401	0.00441	0.16817418	0.000187639	1.235E-08	0.0004212	0.0043308	0.0014984	0.000655	0.00069083	0.174576
4126	481863.09	3855377.25	0.01183	0.00564	0.00715	0.00509	0.00534	0.00795	0.00448	0.00564	0.21838645	0.000239973	1.715E-08	0.0004744	0.0044304	0.0019787	0.000731	0.00088351	0.225358
4127	482363.09	3855377.25	0.01879	0.00741	0.01058	0.00586	0.0055	0.0108	0.00493	0.00741	0.34687079	0.000315284	2.537E-08	0.0005461	0.0045631	0.0026881	0.000805	0.00116079	0.354627
4128	482863.09	3855377.25	0.08236	0.01098	0.01811	0.00706	0.00593	0.01686	0.00566	0.01098	1.52039797	0.000467182	4.343E-08	0.000658	0.0049199	0.0041964	0.000924	0.00172003	1.529843
4129	483363.09	3855377.25	0.11532	0.02439	0.02312	0.00877	0.0064	0.12606	0.00675	0.02439	2.12885253	0.001037757	5.545E-08	0.0008173	0.0053098	0.0313759	0.001102	0.00382072	2.164674
4130	483863.09	3855377.25	0.12886	0.15792	0.02546	0.01162	0.00691	0.04663	0.009	0.15792	2.37880625	0.006719252	6.106E-08	0.0010829	0.0057329	0.011606	0.001469	0.02473836	2.380678
4131	484363.09	3855377.25	0.13835	0.03146	0.02869	0.01835	0.00773	0.02814	0.01369	0.03146	2.55399538	0.001338574	6.881E-08	0.0017101	0.0064132	0.007004	0.002235	0.00492825	2.567768
4132	484863.09	3855377.25	0.14023	0.01891	0.02251	0.04131	0.00848	0.03998	0.03747	0.01891	2.58870092	0.000804591	5.399E-08	0.0038499	0.0070355	0.0099509	0.006116	0.00296227	2.613496
4133	485363.09	3855377.25	0.08649	0.01353	0.0219	0.32614	0.00892	0.11725	0.08666	0.01353	1.59663939	0.000575681	5.252E-08	0.0303949	0.0074005	0.0291831	0.014145	0.00211949	1.67622
4134	485863.09	3855377.25	0.05359	0.01077	0.02048	0.06607	0.00969	0.03974	0.03164	0.01077	0.98929246	0.000458247	4.912E-08	0.0061575	0.0080394	0.0098912	0.005165	0.00168713	1.017316
4135	486363.09	3855377.25	0.04187	0.00889	0.01838	0.03664	0.01007	0.02513	0.0196	0.00889	0.77293666	0.000378256	4.408E-08	0.0034147	0.0083546	0.0062548	0.003199	0.00139263	0.793146
4136	486863.09	3855377.25	0.03446	0.0077	0.01595	0.02544	0.0111	0.01882	0.01436	0.0077	0.63614514	0.000327623	3.825E-08	0.0023709	0.0092092	0.0046842	0.002344	0.00120621	0.653875
4137	487363.09	3855377.25	0.02957	0.00728	0.0146	0.02113	0.0129	0.01636	0.01227	0.00728	0.54587382	0.000309753	3.502E-08	0.0019692	0.0107026	0.0040719	0.002003	0.00114042	0.56379
4138	487863.09	3855377.25	0.0259	0.00686	0.01347	0.01821	0.00995	0.01456	0.01073	0.00686	0.47812418	0.000291882	3.231E-08	0.0016971	0.0082551	0.0036239	0.001751	0.00107463	0.492669
4139	488363.09	3855377.25	0.0231	0.0065	0.01242	0.01615	0.01027	0.01327	0.00956	0.0065	0.42643508	0.000276565	2.979E-08	0.0015051	0.0085206	0.0033029	0.00156	0.00101823	0.440582
4140	488863.09	3855377.25	0.02096	0.00623	0.01153	0.01451	0.01278	0.01233	0.00868	0.00623	0.38692984	0.000265077	2.765E-08	0.0013523	0.010603	0.0030689	0.001417	0.00097594	0.40266
4141	489363.09	3855377.25	0.01933	0.00598	0.01038	0.01318	0.01454	0.01147	0.00798	0.00598	0.3568394	0.00025444	2.489E-08	0.0012283	0.0120632	0.0028548	0.001303	0.00093677	0.373606
4142	489863.09	3855377.25	0.01809	0.00569	0.00958	0.01204	0.01599	0.01062	0.00739	0.00569	0.33394851	0.000242101	2.298E-08	0.0011221	0.0132662	0.0026433	0.001206	0.00089135	0.351537
4143	490363.09	3855377.25	0.01693	0.0056	0.00872	0.01138	0.01721	0.01023	0.007	0.0056	0.31253445	0.000238271	2.091E-08	0.0010606	0.0142784	0.0025462	0.001143	0.00087725	0.330923
4144	490863.09	3855377.25	0.01498	0.00446	0.00662	0.00887	0.01388	0.00804	0.00556	0.00446	0.27653669	0.000189766	1.588E-08	0.0008266	0.0115156	0.0020011	0.000908	0.00069866	0.291279
4145	491363.09	3855377.25	0.01339	0.00414	0.00606	0.00787	0.01443	0.00734	0.00499	0.00414	0.24718466	0.000176151	1.453E-08	0.0007335	0.0119719	0.0018269	0.000815	0.00064854	0.262059
4146	491863.09	3855377.25	0.01434	0.00492	0.00704	0.0093	0.02018	0.00873	0.00586	0.00492	0.26472204	0.000209338	1.688E-08	0.0008667	0.0167424	0.0021729	0.000957	0.00077072	0.284899
4147	492363.09	3855377.25	0.01368	0.00485	0.00673	0.00905	0.02047	0.0086	0.00565	0.00485	0.25253818	0.00020636	1.614E-08	0.0008434	0.016983	0.0021405	0.000922	0.00075976	0.272874
4148	492863.09	3855377.25	0.01304	0.00465	0.00635	0.00854	0.01986	0.00826	0.00537	0.00465	0.24072353	0.00019785	1.523E-08	0.0007959	0.016477	0.0020559	0.000877	0.00072843	0.260398
4149	493363.09	3855377.25	0.01234	0.00432	0.00598	0.00836	0.01826	0.00772	0.00499	0.00432	0.22780125	0.000183809	1.434E-08	0.0007791	0.0151495	0.0019215	0.000815	0.00067673	0.245973
4150	493863.09	3855377.25	0.01114	0.00384	0.00522	0.00711	0.0155	0.00683	0.00436	0.00384	0.20564878	0.000163386	1.252E-08	0.0006626	0.0128597	0.0017	0.000712	0.00060154	0.221145
4151	494363.09	3855377.25	0.00923	0.00336	0.00452	0.00612	0.01308	0.00597	0.0037	0.00336	0.17038943	0.000142963	1.084E-08	0.0005704	0.0108519	0.0014859	0.000604	0.00052635	0.183518
4152	494863.09	3855377.25	0.00755	0.00295	0.00396	0.00545	0.0112	0.00527	0.00315	0.00295	0.13937597	0.000125518	9.497E-09	0.0005079	0.0092921	0.0013117	0.000514	0.00046212	0.150665
4153	495363.09	3855377.25	0.00645	0.00267	0.00361	0.0051	0.00993	0.00476	0.0028	0.00267	0.11906954	0.000113604	8.658E-09	0.0004753	0.0082385	0.0011847	0.000457	0.00041826	0.12912
4154	495863.09	3855377.25	0.00578	0.00247	0.00336	0.00485	0.00902	0.00442	0.00256	0.00247	0.10670107	0.000105095	8.058E-09	0.000452	0.0074835	0.0011001	0.000418	0.00038693	0.115873
4155	496363.09	3855377.25	0.00558	0.00243	0.00327	0.00481	0.00857	0.00432	0.0025	0.00243	0.10300899	0.000103393	7.843E-09	0.0004483	0.0071101	0.0010752	0.000408	0.00038066	0.111773
4156	496863.09	3855377.25	0.00542	0.00239	0.00322	0.00474	0.00815	0.00422	0.00245	0.00239	0.10005533	0.000101691	7.723E-09	0.0004417	0.0067617	0.0010503	0.0004	0.0003744	0.108436
4157	497363.09	3855377.25	0.00536	0.00239	0.00319	0.00474	0.00794	0.0042	0.00246	0.00239	0.09894771	0.000101691	7.651E-09	0.0004417	0.0065875	0.0010454	0.000402	0.0003744	0.107151

4158	497863.09	3855377.25	0.00541	0.00244	0.00324	0.00478	0.00779	0.00425	0.00249	0.00244	0.09987073	0.000103818	7.771E-09	0.0004455	0.006463	0.0010578	0.000406	0.00038223	0.107965
4159	498363.09	3855377.25	0.00551	0.00249	0.00326	0.00485	0.0077	0.00435	0.00255	0.00249	0.10171677	0.000105946	7.819E-09	0.000452	0.0063883	0.0010827	0.000416	0.00039006	0.109772
4160	471363.09	3855877.25	0.0017	0.00138	0.00071	0.00108	0.00132	0.00121	0.00139	0.00138	0.03138267	5.87169E-05	1.703E-09	0.0001007	0.0010951	0.0003012	0.000227	0.00021618	0.032949
4161	471863.09	3855877.25	0.00178	0.00141	0.00074	0.00112	0.00138	0.00126	0.00143	0.00141	0.0328595	5.99933E-05	1.775E-09	0.0001044	0.0011449	0.0003136	0.000233	0.00022088	0.034495
4162	472363.09	3855877.25	0.00188	0.00147	0.00079	0.00118	0.00146	0.00134	0.00149	0.00147	0.03470554	6.25462E-05	1.895E-09	0.00011	0.0012113	0.0003335	0.000243	0.00023028	0.036436
4163	472863.09	3855877.25	0.00197	0.00148	0.00082	0.00122	0.00152	0.00139	0.0015	0.00148	0.03636697	6.29717E-05	1.967E-09	0.0001137	0.0012611	0.000346	0.000245	0.00023184	0.038164
4164	473363.09	3855877.25	0.00209	0.00155	0.00089	0.00131	0.00162	0.00149	0.00158	0.00155	0.03858222	6.59501E-05	2.135E-09	0.0001221	0.001344	0.0003709	0.000258	0.00024281	0.0405
4165	473863.09	3855877.25	0.00222	0.00161	0.00094	0.00139	0.00172	0.00159	0.00164	0.00161	0.04098207	6.8503E-05	2.254E-09	0.0001295	0.001427	0.0003957	0.000268	0.00025221	0.043018
4166	474363.09	3855877.25	0.00234	0.00165	0.00097	0.00147	0.00182	0.00167	0.00168	0.00165	0.04319732	7.0205E-05	2.326E-09	0.000137	0.00151	0.0004157	0.000274	0.00025847	0.045346
4167	474863.09	3855877.25	0.00239	0.00151	0.00094	0.00142	0.00177	0.00162	0.00154	0.00151	0.04412034	6.42482E-05	2.254E-09	0.0001323	0.0014685	0.0004032	0.000251	0.00023654	0.046203
4168	475363.09	3855877.25	0.00215	0.00132	0.00093	0.00131	0.0016	0.00154	0.00131	0.00132	0.03968985	5.6164E-05	2.23E-09	0.0001221	0.0013274	0.0003833	0.000214	0.00020678	0.041586
4169	475863.09	3855877.25	0.00175	0.0011	0.00085	0.00116	0.00144	0.00142	0.00107	0.0011	0.03230569	4.68033E-05	2.039E-09	0.0001081	0.0011947	0.0003534	0.000175	0.00017232	0.034011
4170	476363.09	3855877.25	0.00185	0.00114	0.0009	0.00122	0.00152	0.0015	0.00111	0.00114	0.03415173	4.85052E-05	2.159E-09	0.0001137	0.0012611	0.0003733	0.000181	0.00017858	0.035951
4171	476863.09	3855877.25	0.00214	0.0013	0.00101	0.00137	0.00167	0.00168	0.00126	0.0013	0.03950524	5.5313E-05	2.422E-09	0.0001277	0.0013855	0.0004181	0.000206	0.00020365	0.041494
4172	477363.09	3855877.25	0.00238	0.00141	0.0011	0.00148	0.0018	0.00181	0.00137	0.00141	0.04393574	5.99933E-05	2.638E-09	0.0001379	0.0014934	0.0004505	0.000224	0.00022088	0.04608
4173	477863.09	3855877.25	0.00269	0.00152	0.00121	0.0016	0.00195	0.00195	0.00149	0.00152	0.04965846	6.46737E-05	2.902E-09	0.0001491	0.0016178	0.0004853	0.000243	0.00023811	0.051981
4174	478363.09	3855877.25	0.00312	0.00168	0.00133	0.00178	0.00214	0.00214	0.00166	0.00168	0.05759643	7.14814E-05	3.19E-09	0.0001659	0.0017755	0.0005326	0.000271	0.00026317	0.06015
4175	478863.09	3855877.25	0.00376	0.00186	0.00149	0.00201	0.00243	0.00238	0.00186	0.00186	0.06941108	7.91401E-05	3.574E-09	0.0001873	0.0020161	0.0005924	0.000304	0.00029137	0.072298
4176	479363.09	3855877.25	0.00457	0.00209	0.00167	0.00236	0.00281	0.00271	0.00213	0.00209	0.084364	8.89263E-05	4.005E-09	0.0002199	0.0023313	0.0006745	0.000348	0.0003274	0.087699
4177	479863.09	3855877.25	0.00545	0.00232	0.00193	0.00273	0.00324	0.00312	0.0024	0.00232	0.10060914	9.87124E-05	4.629E-09	0.0002544	0.0026881	0.0007766	0.000392	0.00036343	0.104455
4178	480363.09	3855877.25	0.00654	0.00266	0.0024	0.00323	0.00392	0.00367	0.00277	0.00266	0.12073097	0.000113179	5.756E-09	0.000301	0.0032522	0.0009135	0.000452	0.00041669	0.125346
4179	480863.09	3855877.25	0.00779	0.00314	0.00312	0.00381	0.00467	0.00445	0.0032	0.00314	0.14380646	0.000133602	7.483E-09	0.0003551	0.0038745	0.0011076	0.000522	0.00049188	0.149308
4180	481363.09	3855877.25	0.00946	0.00339	0.00342	0.00423	0.00526	0.00494	0.00343	0.00339	0.17463532	0.000144239	8.202E-09	0.0003942	0.004364	0.0012295	0.00056	0.00053105	0.180796
4181	481863.09	3855877.25	0.01098	0.00483	0.00502	0.00483	0.00614	0.00686	0.00395	0.00483	0.20269512	0.000205509	1.204E-08	0.0004501	0.0050941	0.0017074	0.000645	0.00075663	0.21004
4182	482363.09	3855877.25	0.0151	0.0059	0.00716	0.00531	0.00653	0.00864	0.00419	0.0059	0.27875193	0.000251036	1.717E-08	0.0004949	0.0054176	0.0021505	0.000684	0.00092424	0.286826
4183	482863.09	3855877.25	0.02699	0.00745	0.01033	0.00601	0.00716	0.01166	0.00463	0.00745	0.49824601	0.000316986	2.477E-08	0.0005601	0.0059403	0.0029021	0.000756	0.00116705	0.507554
4184	483363.09	3855877.25	0.10103	0.01062	0.01254	0.00697	0.00779	0.02104	0.00523	0.01062	1.86505351	0.000451865	3.008E-08	0.0006496	0.006463	0.0052368	0.000854	0.00166364	1.877045
4185	483863.09	3855877.25	0.12274	0.02192	0.02594	0.00835	0.0086	0.33076	0.00624	0.02192	2.26582864	0.000932662	6.221E-08	0.0007782	0.007135	0.082325	0.001019	0.00343379	2.354584
4186	484363.09	3855877.25	0.13408	0.25544	0.07891	0.01096	0.00989	0.04518	0.00823	0.25544	2.4751695	0.010868578	1.893E-07	0.0010214	0.0082053	0.0112451	0.001343	0.04001499	2.467839
4187	484863.09	3855877.25	0.14132	0.04005	0.11549	0.01627	0.01154	0.02945	0.01232	0.04005	2.60882274	0.001704066	2.77E-07	0.0015163	0.0095742	0.00733	0.002011	0.00627388	2.624685
4188	485363.09	3855877.25	0.14323	0.0222	0.08899	0.03261	0.01365	0.03562	0.0329	0.0222	2.6440821	0.000944576	2.134E-07	0.0030391	0.0113248	0.0088657	0.00537	0.00347766	2.670149
4189	485863.09	3855877.25	0.10187	0.01524	0.05156	0.98505	0.01582	0.17594	0.09566	0.01524	1.88056024	0.000648438	1.237E-07	0.0918026	0.0131251	0.0437909	0.015614	0.00238736	2.043154
4190	486363.09	3855877.25	0.05921	0.01144	0.03201	0.0754	0.01812	0.04264	0.03109	0.01144	1.09303987	0.000486754	7.677E-08	0.007027	0.0150334	0.010613	0.005075	0.00179209	1.129483
4191	486863.09	3855877.25	0.0454	0.0096	0.02339	0.0403	0.02067	0.02706	0.01969	0.0096	0.83810184	0.000408465	5.61E-08	0.0037558	0.017149	0.0067351	0.003214	0.00150385	0.86786
4192	487363.09	3855877.25	0.03678	0.00888	0.01895	0.02973	0.02445	0.02181	0.01567	0.00888	0.67897326	0.00037783	4.545E-08	0.0027707	0.0202851	0.0054284	0.002558	0.00139106	0.709002
4193	487863.09	3855877.25	0.0311	0.00833	0.01613	0.02391	0.02142	0.01855	0.01315	0.00833	0.57411822	0.000354429	3.869E-08	0.0022283	0.0177712	0.004617	0.002146	0.0013049	0.599931
4194	488363.09	3855877.25	0.02706	0.00776	0.01369	0.02015	0.02319	0.01634	0.01129	0.00776	0.49953824	0.000330176	3.283E-08	0.0018779	0.0192397	0.004067	0.001843	0.00121561	0.52568
4195	488863.09	3855877.25	0.0241	0.00727	0.01223	0.0176	0.02808	0.01481	0.00994	0.00727	0.44489547	0.000309327	2.933E-08	0.0016402	0.0232967	0.0036862	0.001622	0.00113885	0.474312
4196	489363.09	3855877.25	0.0219	0.00682	0.01122	0.01578	0.03115	0.01355	0.00889	0.00682	0.40428261	0.00029018	2.691E-08	0.0014706	0.0258438	0.0033725	0.001451	0.00106836	0.435643
4197	489863.09	3855877.25	0.02018	0.00645	0.00971	0.01447	0.03368	0.01278	0.0081	0.00645	0.37253073	0.000274438	2.329E-08	0.0013485	0.0279428	0.0031809	0.001322	0.0010104	0.405589
4198	490363.09	3855877.25	0.01869	0.00618	0.00896	0.0136	0.03521	0.01199	0.00751	0.00618	0.34502475	0.000262949	2.149E-08	0.0012675	0.0292122	0.0029843	0.001226	0.0009681	0.379009
4199	490863.09	3855877.25	0.01756	0.0058	0.00828	0.01288	0.03482	0.01119	0.00699	0.0058	0.3241645	0.000246781	1.986E-08	0.0012004	0.0288886	0.0027852	0.001141	0.00090858	0.357518
4200	491363.09	3855877.25	0.01666	0.00521	0.00724	0.01165	0.0314	0.01013	0.00634	0.00521	0.30755015	0.000221677	1.736E-08	0.0010857	0.0260512	0.0025213	0.001035	0.00081615	0.337649
4201	491863.09	3855877.25	0.01562	0.0054	0.00732	0.01176	0.03262	0.01035	0.00625	0.0054	0.28835134	0.000229762	1.756E-08	0.001096	0.0270634	0.0025761	0.00102	0.00084592	0.319491
4202	492363.09	3855877.25	0.01489	0.00511	0.00694	0.01122	0.03038	0.00979	0.00588	0.00511	0.27487525	0.000217423	1.664E-08	0.0010457	0.0252049	0.0024367	0.00096	0.00080049	0.303939
4203	492863.09	3855877.25	0.01415	0.00486	0.00682	0.01077	0.0282	0.00932	0.00554	0.00486	0.26121456	0.000206786	1.636E-08	0.0010037	0.0233963	0.0023197	0.000904	0.00076132	0.288284
4204	493363.09	3855877.25	0.01294	0.00423	0.00586	0.00918	0.02272	0.00813	0.00482	0.00423	0.23887749	0.00017998	1.405E-08	0.0008555	0.0188498	0.0020235	0.000787	0.00066263	0.26091
4205	493863.09	3855877.25	0.0107	0.00364	0.00496	0.00783	0.01768	0.00695	0.00402	0.00364	0.19752621	0.000154876	1.19E-08	0.0007297	0.0146683	0.0017298	0.000656	0.00057021	0.214895
4206	494363.09	3855877.25	0.00844	0.00315	0.00426	0.00694	0.01411	0.00601	0.00336	0.00315	0.15580572	0.000134028	1.022E-08	0.0006468	0.0117064	0.0014959	0.000548	0.00049345	0.169844
4207	494863.09	3855877.25	0.00704	0.00283	0.00387	0.00632	0.01199	0.00537	0.00294	0.00283	0.12996117	0.000120412	9.282E-09	0.000589	0.0099476	0.0013366	0.00048	0.00044332	0.141991
4208	495363.09	3855877.25	0.00589	0.0025	0.00347	0.00564	0.01	0.00475	0.00255	0.0025	0.10873172	0.000106371	8.322E-09	0.0005256	0.0082966	0.0011823	0.000416	0.00039163	0.118867
4209	495863.09	3855877.25	0.0057	0.00246	0.0034	0.00553	0.00939	0.00466	0.0025	0.00246	0.10522424	0.000104669	8.154E-09	0.0005154	0.0077905	0.0011599	0.000408	0.00038536	0.114817
4210	496363.09	3855877.25	0.00557	0.00243	0.00336	0.0054	0.0089	0.00459	0.00247	0.00243	0.10282439	0.000103393	8.058E-09	0.0005033	0.0073839	0.0011424	0.000403	0.00038066	0.11198
4211	496863.09	3855877.25	0.00556	0.00245	0.00336	0.00536	0.00866	0.00457	0.00249	0.00245	0.10263979	0.000104244	8.058E-09	0.0004995	0.0071848	0.0011375	0.000406	0.0003838	0.111588
4212	497363.09	3855877.25	0.00558	0.00248	0.00336	0.00535	0.00845	0.0046	0.00252	0.00248	0.10300899	0.00010552	8.058E-09	0.0004986	0.0070106	0.0011449	0.000411	0.0003885	0.111791
4213	497863.09	3855877.25	0.00567	0.00254	0.00338	0.00537	0.00828	0.00468	0.00257	0.00254	0.10467043	0.000108073	8.106E-09	0.0005005	0.0068695	0.0011648	0.000419	0.00039789	0.113335
4214	498363.09	3855877.25	0.006	0.00266	0.00346	0.00555	0.00848	0.00491	0.00272	0.00266	0.11076236	0.000113179	8.298E-09	0.0005172	0.0070355	0.0012221	0.000444	0.00041669	0.119678

4215	471363.09	3856377.25	0.00166	0.00132	0.00069	0.00108	0.00123	0.00121	0.00134	0.00132	0.03064425	5.6164E-05	1.655E-09	0.0001007	0.0010205	0.0003012	0.000219	0.00020678	0.032135
4216	471863.09	3856377.25	0.00174	0.00135	0.00071	0.00112	0.00127	0.00126	0.00137	0.00135	0.03212108	5.74404E-05	1.703E-09	0.0001044	0.0010537	0.0003136	0.000224	0.00021148	0.033662
4217	472363.09	3856377.25	0.00183	0.00141	0.00075	0.00118	0.00133	0.00132	0.00143	0.00141	0.03378252	5.99933E-05	1.799E-09	0.00011	0.0011034	0.0003285	0.000233	0.00022088	0.035397
4218	472863.09	3856377.25	0.00194	0.00146	0.00081	0.00125	0.0014	0.0014	0.00149	0.00146	0.03581316	6.21207E-05	1.943E-09	0.0001165	0.0011615	0.0003485	0.000243	0.00022871	0.037516
4219	473363.09	3856377.25	0.00205	0.00151	0.00085	0.00131	0.00146	0.00148	0.00154	0.00151	0.03784381	6.42482E-05	2.039E-09	0.0001221	0.0012113	0.0003684	0.000251	0.00023654	0.039625
4220	473863.09	3856377.25	0.00218	0.00159	0.00093	0.0014	0.00155	0.00159	0.00162	0.00159	0.04024366	6.7652E-05	2.23E-09	0.0001305	0.001286	0.0003957	0.000264	0.00024908	0.042139
4221	474363.09	3856377.25	0.00229	0.00158	0.00095	0.00144	0.00161	0.00163	0.00162	0.00158	0.0422743	6.72266E-05	2.278E-09	0.0001342	0.0013357	0.0004057	0.000264	0.00024751	0.044234
4222	474863.09	3856377.25	0.0024	0.00153	0.00093	0.00147	0.00165	0.00164	0.00158	0.00153	0.04430494	6.50991E-05	2.23E-09	0.000137	0.0013689	0.0004082	0.000258	0.00023968	0.046302
4223	475363.09	3856377.25	0.00241	0.00142	0.00092	0.00143	0.00164	0.0016	0.00146	0.00142	0.04448955	6.04188E-05	2.206E-09	0.0001333	0.0013606	0.0003982	0.000238	0.00022244	0.046458
4224	475863.09	3856377.25	0.00219	0.00129	0.00092	0.00134	0.0016	0.00156	0.0013	0.00129	0.04042826	5.48875E-05	2.206E-09	0.0001249	0.0013274	0.0003883	0.000212	0.00020208	0.042334
4225	476363.09	3856377.25	0.00221	0.00129	0.00096	0.00137	0.00165	0.00162	0.0013	0.00129	0.04079747	5.48875E-05	2.302E-09	0.0001277	0.0013689	0.0004032	0.000212	0.00020208	0.042762
4226	476863.09	3856377.25	0.00232	0.00133	0.00101	0.00144	0.00173	0.00171	0.00133	0.00133	0.04282811	5.65894E-05	2.422E-09	0.0001342	0.0014353	0.0004256	0.000217	0.00020835	0.044889
4227	477363.09	3856377.25	0.00248	0.0014	0.00109	0.00152	0.00182	0.00181	0.00139	0.0014	0.04578177	5.95678E-05	2.614E-09	0.0001417	0.00151	0.0004505	0.000227	0.00021931	0.047951
4228	477863.09	3856377.25	0.00237	0.00137	0.00111	0.0015	0.00186	0.00184	0.00134	0.00137	0.04375113	5.82914E-05	2.662E-09	0.0001398	0.0015432	0.000458	0.000219	0.00021461	0.045954
4229	478363.09	3856377.25	0.00243	0.00139	0.00119	0.00152	0.00189	0.00192	0.00134	0.00139	0.04485876	5.91424E-05	2.854E-09	0.0001417	0.001568	0.0004779	0.000219	0.00021775	0.047106
4230	478863.09	3856377.25	0.00334	0.00168	0.00146	0.00187	0.00224	0.00227	0.00166	0.00168	0.06165771	7.14814E-05	3.502E-09	0.0001743	0.0018584	0.000565	0.000271	0.00026317	0.064335
4231	479363.09	3856377.25	0.00405	0.00185	0.00167	0.0021	0.00252	0.00253	0.00185	0.00185	0.07476459	7.87146E-05	4.005E-09	0.0001957	0.0020907	0.0006297	0.000302	0.0002898	0.077772
4232	479863.09	3856377.25	0.00532	0.00217	0.00192	0.00264	0.00313	0.00306	0.00225	0.00217	0.09820929	9.23302E-05	4.605E-09	0.000246	0.0025968	0.0007616	0.000367	0.00033993	0.101933
4233	480363.09	3856377.25	0.00639	0.00255	0.00227	0.00316	0.00379	0.00367	0.00264	0.00255	0.11796191	0.000108499	5.444E-09	0.0002945	0.0031444	0.0009135	0.000431	0.00039946	0.122454
4234	480863.09	3856377.25	0.00733	0.00296	0.00272	0.00365	0.00436	0.00425	0.00298	0.00296	0.13531468	0.000125943	6.523E-09	0.0003402	0.0036173	0.0010578	0.000486	0.00046369	0.140479
4235	481363.09	3856377.25	0.00835	0.00353	0.00362	0.00409	0.00493	0.00512	0.00329	0.00353	0.15414428	0.000150196	8.682E-09	0.0003812	0.0040902	0.0012744	0.000537	0.00055298	0.160024
4236	481863.09	3856377.25	0.0096	0.00431	0.00479	0.00456	0.00551	0.00632	0.00358	0.00431	0.17721977	0.000183384	1.149E-08	0.000425	0.0045714	0.001573	0.000584	0.00067517	0.183882
4237	482363.09	3856377.25	0.01197	0.00501	0.00681	0.00495	0.00613	0.00758	0.00377	0.00501	0.2209709	0.000213168	1.633E-08	0.0004613	0.0050858	0.0018866	0.000615	0.00078482	0.228448
4238	482863.09	3856377.25	0.01718	0.0059	0.0074	0.00547	0.0071	0.00917	0.00407	0.0059	0.31714955	0.000251036	1.775E-08	0.0005098	0.0058906	0.0022824	0.000664	0.00092424	0.325823
4239	483363.09	3856377.25	0.04923	0.00726	0.00961	0.00613	0.00833	0.01213	0.00444	0.00726	0.90880515	0.000308902	2.305E-08	0.0005713	0.006911	0.0030191	0.000725	0.00113729	0.919203
4240	483863.09	3856377.25	0.11107	0.01007	0.01607	0.00698	0.0099	0.02029	0.00503	0.01007	2.05039586	0.000428463	3.854E-08	0.0006505	0.0082136	0.0050501	0.000821	0.00157748	2.063982
4241	484363.09	3856377.25	0.12722	0.01851	0.04038	0.00824	0.01188	0.19905	0.00608	0.01851	2.3485312	0.000787572	9.684E-08	0.0007679	0.0098563	0.0495429	0.000992	0.00289961	2.407579
4242	484863.09	3856377.25	0.1361	0.19021	0.05029	0.01058	0.0147	0.05618	0.0078	0.19021	2.51245949	0.008093142	1.206E-07	0.000986	0.0121959	0.013983	0.001273	0.02979663	2.519194
4243	485363.09	3856377.25	0.14217	0.05315	0.04844	0.015	0.01921	0.03282	0.01153	0.05315	2.62451408	0.002261451	1.162E-07	0.0013979	0.0159377	0.0081688	0.001882	0.00832601	2.645836
4244	485863.09	3856377.25	0.14447	0.02549	0.03347	0.02718	0.02647	0.03383	0.0289	0.02549	2.66697298	0.00108456	8.027E-08	0.0025331	0.021961	0.0084202	0.004717	0.00399304	2.701696
4245	486363.09	3856377.25	0.12523	0.01554	0.0218	0.24964	0.03691	0.33747	0.11034	0.01554	2.31179502	0.000661203	5.228E-08	0.0232654	0.0306226	0.0839951	0.018011	0.00243436	2.465916
4246	486863.09	3856377.25	0.06179	0.01267	0.01778	0.09562	0.05263	0.05116	0.03485	0.01267	1.14066769	0.000539089	4.264E-08	0.0089114	0.0436648	0.0127336	0.005689	0.00198477	1.21022
4247	487363.09	3856377.25	0.04529	0.01113	0.0145	0.04626	0.06877	0.03139	0.02168	0.01113	0.8360712	0.000473564	3.478E-08	0.0043112	0.0570554	0.0078129	0.003539	0.00174353	0.90752
4248	487863.09	3856377.25	0.03634	0.01022	0.01273	0.03191	0.07235	0.02426	0.01626	0.01022	0.67085068	0.000434845	3.053E-08	0.0029739	0.0600256	0.0060382	0.002654	0.00160098	0.741376
4249	488363.09	3856377.25	0.03068	0.00939	0.01129	0.02534	0.08263	0.02039	0.01332	0.00939	0.56636486	0.00039953	2.708E-08	0.0023616	0.0685544	0.005075	0.002174	0.00147095	0.643459
4250	488863.09	3856377.25	0.0268	0.00866	0.01139	0.02152	0.09019	0.01803	0.01138	0.00866	0.49473853	0.00036847	2.732E-08	0.0020056	0.0748266	0.0044876	0.001858	0.0013566	0.576928
4251	489363.09	3856377.25	0.02407	0.00803	0.01028	0.01898	0.08743	0.01656	0.01001	0.00803	0.44434166	0.000341664	2.465E-08	0.0017689	0.0725368	0.0041217	0.001634	0.00125791	0.523487
4252	489863.09	3856377.25	0.02192	0.00748	0.00962	0.01744	0.08052	0.01526	0.00896	0.00748	0.40465182	0.000318262	2.307E-08	0.0016253	0.0668038	0.0037982	0.001463	0.00117175	0.477488
4253	490363.09	3856377.25	0.02028	0.00694	0.00915	0.01672	0.07196	0.01422	0.00814	0.00694	0.37437677	0.000295286	2.194E-08	0.0015582	0.059702	0.0035393	0.001329	0.00108716	0.439713
4254	490863.09	3856377.25	0.01897	0.00646	0.0086	0.01642	0.06354	0.01337	0.0075	0.00646	0.35019366	0.000274863	2.063E-08	0.0015303	0.0527163	0.0033277	0.001224	0.00101197	0.408255
4255	491363.09	3856377.25	0.0178	0.00611	0.00844	0.01729	0.0559	0.01268	0.00698	0.00611	0.328595	0.000259971	2.024E-08	0.0016114	0.0463777	0.003156	0.001139	0.00095714	0.380182
4256	491863.09	3856377.25	0.01684	0.00577	0.00811	0.01765	0.04897	0.012	0.00652	0.00577	0.31087302	0.000245505	1.945E-08	0.0016449	0.0406282	0.0029868	0.001064	0.00090388	0.356539
4257	492363.09	3856377.25	0.01607	0.00537	0.00765	0.01651	0.04232	0.01114	0.00606	0.00537	0.29665852	0.000228485	1.835E-08	0.0015387	0.035111	0.0027727	0.000989	0.00084122	0.336457
4258	492863.09	3856377.25	0.01497	0.00477	0.00668	0.01597	0.03383	0.00985	0.0054	0.00477	0.27635208	0.000202956	1.602E-08	0.0014883	0.0280672	0.0024516	0.000881	0.00074723	0.308696
4259	493363.09	3856377.25	0.01207	0.00389	0.00527	0.01215	0.02274	0.00797	0.00426	0.00389	0.22281694	0.000165514	1.264E-08	0.0011323	0.0188664	0.0019837	0.000695	0.00060937	0.245051
4260	493863.09	3856377.25	0.00998	0.0035	0.00478	0.01031	0.0184	0.00715	0.00373	0.0035	0.18423472	0.00014892	1.146E-08	0.0009608	0.0152657	0.0017796	0.000609	0.00054828	0.20245
4261	494363.09	3856377.25	0.008	0.00308	0.00429	0.00869	0.01465	0.00629	0.00318	0.00308	0.14768314	0.000131049	1.029E-08	0.0008099	0.0121545	0.0015656	0.000519	0.00048249	0.162381
4262	494863.09	3856377.25	0.00669	0.00276	0.00389	0.00751	0.01202	0.0056	0.0028	0.00276	0.12350003	0.000117434	9.33E-09	0.0006999	0.0099725	0.0013938	0.000457	0.00043236	0.135708
4263	495363.09	3856377.25	0.00594	0.00256	0.00362	0.00667	0.01026	0.00518	0.00257	0.00256	0.10965473	0.000108924	8.682E-09	0.0006216	0.0085123	0.0012893	0.000419	0.00040103	0.120205
4264	495863.09	3856377.25	0.00571	0.00251	0.00354	0.0063	0.00949	0.00505	0.00252	0.00251	0.10540884	0.000106797	8.49E-09	0.0005871	0.0078734	0.0012569	0.000411	0.00039319	0.115251
4265	496363.09	3856377.25	0.00566	0.00251	0.0035	0.0061	0.009	0.00501	0.00252	0.00251	0.10448582	0.000106797	8.394E-09	0.0005685	0.0074669	0.001247	0.000411	0.00039319	0.113893
4266	496863.09	3856377.25	0.00576	0.00256	0.00353	0.00608	0.00887	0.00507	0.00258	0.00256	0.10633186	0.000108924	8.466E-09	0.0005666	0.007359	0.0012619	0.000421	0.00040103	0.115648
4267	497363.09	3856377.25	0.00585	0.00262	0.00352	0.00607	0.00863	0.00514	0.00264	0.00262	0.1079933	0.000111477	8.442E-09	0.0005657	0.0071599	0.0012793	0.000431	0.00041043	0.11713
4268	497863.09	3856377.25	0.00608	0.0027	0.00357	0.00615	0.00861	0.00533	0.00274	0.0027	0.11223919	0.000114881	8.562E-09	0.0005732	0.0071433	0.0013266	0.000447	0.00042296	0.121421
4269	498363.09	3856377.25	0.00643	0.00281	0.00362	0.00628	0.00876	0.0059	0.00287	0.00281	0.11870033	0.000119561	8.682E-09	0.0005853	0.0072678	0.0014685	0.000468	0.00044019	0.12817
4270	471363.09	3856877.25	0.00163	0.00128	0.00069	0.0011	0.00121	0.00122	0.0013	0.00128	0.03009044	5.4462E-05	1.655E-09	0.0001025	0.0010039	0.0003037	0.000212	0.00020051	0.031567
4271	471863.09	3856877.25	0.00171	0.0013	0.00072	0.00114	0.00125	0.00127	0.00133	0.0013	0.03156727	5.5313E-05	1.727E-09	0.0001062	0.0010371	0.0003161	0.000217	0.00020365	0.033095

4272	472363.09	3856877.25	0.0018	0.00134	0.00075	0.00119	0.0013	0.00133	0.00137	0.00134	0.03322871	5.70149E-05	1.799E-09	0.0001109	0.0010786	0.000331	0.000224	0.00020991	0.03482
4273	472863.09	3856877.25	0.0019	0.00138	0.00079	0.00125	0.00135	0.00139	0.00141	0.00138	0.03507475	5.87169E-05	1.895E-09	0.0001165	0.00112	0.000346	0.00023	0.00021618	0.03673
4274	473363.09	3856877.25	0.00202	0.00146	0.00085	0.00133	0.00142	0.00149	0.00149	0.00146	0.03728999	6.21207E-05	2.039E-09	0.000124	0.0011781	0.0003709	0.000243	0.00022871	0.03904
4275	473863.09	3856877.25	0.00214	0.00151	0.00089	0.00139	0.00148	0.00156	0.00154	0.00151	0.03950524	6.42482E-05	2.135E-09	0.0001295	0.0012279	0.0003883	0.000251	0.00023654	0.04133
4276	474363.09	3856877.25	0.00225	0.00151	0.00089	0.00142	0.00153	0.00159	0.00155	0.00151	0.04153588	6.42482E-05	2.135E-09	0.0001323	0.0012694	0.0003957	0.000253	0.00023654	0.043414
4277	474863.09	3856877.25	0.00236	0.00147	0.00087	0.00144	0.00157	0.00159	0.00152	0.00147	0.04356653	6.25462E-05	2.087E-09	0.0001342	0.0013026	0.0003957	0.000248	0.00023028	0.045479
4278	475363.09	3856877.25	0.0024	0.0014	0.00087	0.00142	0.00159	0.00158	0.00145	0.0014	0.04430494	5.95678E-05	2.087E-09	0.0001323	0.0013192	0.0003933	0.000237	0.00021931	0.046227
4279	475863.09	3856877.25	0.00252	0.00141	0.00092	0.00147	0.00165	0.00164	0.00145	0.00141	0.04652019	5.99933E-05	2.206E-09	0.000137	0.0013689	0.0004082	0.000237	0.00022088	0.04851
4280	476363.09	3856877.25	0.00251	0.00136	0.00095	0.00146	0.00169	0.00165	0.00139	0.00136	0.04633559	5.78659E-05	2.278E-09	0.0001361	0.0014021	0.0004107	0.000227	0.00021305	0.048356
4281	476863.09	3856877.25	0.00255	0.00137	0.00101	0.00149	0.00175	0.00172	0.00139	0.00137	0.047074	5.82914E-05	2.422E-09	0.0001389	0.0014519	0.0004281	0.000227	0.00021461	0.049163
4282	477363.09	3856877.25	0.00252	0.00136	0.00108	0.00149	0.0018	0.00176	0.00137	0.00136	0.04652019	5.78659E-05	2.59E-09	0.0001389	0.0014934	0.0004381	0.000224	0.00021305	0.048659
4283	477863.09	3856877.25	0.00224	0.00129	0.00108	0.00142	0.00174	0.00173	0.00127	0.00129	0.04135128	5.48875E-05	2.59E-09	0.0001323	0.0014436	0.0004306	0.000207	0.00020208	0.043418
4284	478363.09	3856877.25	0.00227	0.0013	0.00112	0.00146	0.00181	0.0018	0.00126	0.0013	0.04190509	5.5313E-05	2.686E-09	0.0001361	0.0015017	0.000448	0.000206	0.00020365	0.044048
4285	478863.09	3856877.25	0.00258	0.00142	0.00122	0.00162	0.00199	0.00199	0.00138	0.00142	0.04762781	6.04188E-05	2.926E-09	0.000151	0.001651	0.0004953	0.000225	0.00022244	0.049988
4286	479363.09	3856877.25	0.00308	0.00156	0.00136	0.00181	0.00223	0.00222	0.00154	0.00156	0.05685801	6.63756E-05	3.262E-09	0.0001687	0.0018501	0.0005526	0.000251	0.00024438	0.059503
4287	479863.09	3856877.25	0.00502	0.002	0.00172	0.00252	0.00277	0.00288	0.00208	0.002	0.09267117	8.50969E-05	4.125E-09	0.0002349	0.0022981	0.0007168	0.00034	0.0003133	0.096032
4288	480363.09	3856877.25	0.00604	0.00239	0.00211	0.00306	0.00328	0.00351	0.00248	0.00239	0.11150077	0.000101691	5.06E-09	0.0002852	0.0027213	0.0008736	0.000405	0.0003744	0.115513
4289	480863.09	3856877.25	0.00672	0.00288	0.00298	0.0035	0.00379	0.00426	0.00283	0.00288	0.12405384	0.00012254	7.147E-09	0.0003262	0.0031444	0.0010603	0.000462	0.00045116	0.128718
4290	481363.09	3856877.25	0.0074	0.00335	0.00363	0.00386	0.00435	0.00509	0.00305	0.00335	0.13660691	0.000142537	8.706E-09	0.0003597	0.003609	0.0012669	0.000498	0.00052478	0.141958
4291	481863.09	3856877.25	0.00844	0.00373	0.00432	0.00425	0.00491	0.00569	0.00325	0.00373	0.15580572	0.000158706	1.036E-08	0.0003961	0.0040736	0.0014162	0.00053	0.00058431	0.161797
4292	482363.09	3856877.25	0.00967	0.00439	0.00579	0.00456	0.00543	0.00679	0.00344	0.00439	0.178512	0.000186788	1.389E-08	0.000425	0.004505	0.00169	0.000562	0.0006877	0.185193
4293	482863.09	3856877.25	0.01246	0.00497	0.00584	0.00498	0.00621	0.0079	0.00368	0.00497	0.2300165	0.000211466	1.401E-08	0.0004641	0.0051522	0.0019663	0.000601	0.00077856	0.237633
4294	483363.09	3856877.25	0.02026	0.00575	0.00636	0.00554	0.00731	0.00953	0.00399	0.00575	0.37400756	0.000244654	1.525E-08	0.0005163	0.0060648	0.002372	0.000651	0.00090074	0.382956
4295	483863.09	3856877.25	0.09026	0.00699	0.00804	0.00623	0.00884	0.01225	0.00439	0.00699	1.66623508	0.000297414	1.928E-08	0.0005806	0.0073342	0.003049	0.000717	0.00109499	1.677118
4296	484363.09	3856877.25	0.11334	0.00954	0.01033	0.0071	0.01109	0.0191	0.005	0.00954	2.09230095	0.000405912	2.477E-08	0.0006617	0.0092009	0.0047539	0.000816	0.00149445	2.106645
4297	484863.09	3856877.25	0.12457	0.0154	0.00985	0.00835	0.01445	0.07858	0.00595	0.0154	2.29961116	0.000655246	2.362E-08	0.0007782	0.0119885	0.0195583	0.000971	0.00241243	2.33115
4298	485363.09	3856877.25	0.13204	0.05759	0.01158	0.01052	0.02037	0.06618	0.00759	0.05759	2.4375103	0.002450366	2.777E-08	0.0009804	0.0169001	0.016472	0.001239	0.00902154	2.466531
4299	485863.09	3856877.25	0.13802	0.07509	0.01106	0.01443	0.03187	0.03579	0.01109	0.07509	2.54790345	0.003194964	2.653E-08	0.0013448	0.0264411	0.008908	0.00181	0.01176294	2.57784
4300	486363.09	3856877.25	0.14498	0.02467	0.01056	0.02565	0.06101	0.03146	0.02733	0.02467	2.67638778	0.00104967	2.533E-08	0.0023905	0.0506173	0.0078303	0.004461	0.00386459	2.738872
4301	486863.09	3856877.25	0.13189	0.01781	0.01166	0.13364	0.17596	0.23509	0.12813	0.01781	2.43474124	0.000757788	2.796E-08	0.0124547	0.1459862	0.0585131	0.020914	0.00278996	2.670578
4302	487363.09	3856877.25	0.0612	0.0148	0.01085	0.10626	2.16511	0.05975	0.03616	0.0148	1.12977605	0.000629717	2.602E-08	0.009903	1.7962951	0.0148716	0.005902	0.00231844	2.955059
4303	487863.09	3856877.25	0.04372	0.01287	0.0104	0.04895	1.78302	0.03537	0.02205	0.01287	0.80708838	0.000547599	2.494E-08	0.0045619	1.4792921	0.0088035	0.003599	0.0020161	2.301877
4304	488363.09	3856877.25	0.03488	0.01159	0.01172	0.03369	0.53465	0.02731	0.01636	0.01159	0.64389851	0.000493137	2.811E-08	0.0031398	0.4435752	0.0067974	0.00267	0.00181559	1.098759
4305	488863.09	3856877.25	0.02967	0.01046	0.01128	0.02703	0.30356	0.02328	0.01332	0.01046	0.54771986	0.000445057	2.705E-08	0.0025191	0.2518502	0.0057943	0.002174	0.00163857	0.808864
4306	489363.09	3856877.25	0.0262	0.00958	0.01166	0.02316	0.20144	0.02076	0.01142	0.00958	0.4836623	0.000407614	2.796E-08	0.0021584	0.1671258	0.0051671	0.001864	0.00150072	0.658885
4307	489863.09	3856877.25	0.02374	0.00877	0.01084	0.02126	0.14495	0.01897	0.01006	0.00877	0.43824973	0.00037315	2.6E-08	0.0019813	0.1202585	0.0047216	0.001642	0.00137383	0.565853
4308	490363.09	3856877.25	0.02202	0.00799	0.01093	0.02061	0.10936	0.0174	0.009	0.00799	0.40649785	0.000339962	2.621E-08	0.0019208	0.0907311	0.0043308	0.001469	0.00125164	0.504038
4309	490863.09	3856877.25	0.02056	0.00735	0.01032	0.02256	0.08485	0.01613	0.00814	0.00735	0.37954568	0.000312731	2.475E-08	0.0021025	0.0703963	0.0040147	0.001329	0.00115139	0.456549
4310	491363.09	3856877.25	0.01927	0.0068	0.00973	0.03157	0.06777	0.01503	0.00743	0.0068	0.35573177	0.00028933	2.334E-08	0.0029422	0.0562257	0.0037409	0.001213	0.00106523	0.419078
4311	491863.09	3856877.25	0.01822	0.00628	0.00927	0.1776	0.055	0.01396	0.00683	0.00628	0.33634836	0.000267204	2.223E-08	0.0165516	0.045631	0.0034746	0.001115	0.00098377	0.402404
4312	492363.09	3856877.25	0.01724	0.00533	0.00792	0.11286	0.04199	0.01192	0.0059	0.00533	0.31825718	0.000226783	1.899E-08	0.0105181	0.0348372	0.0029668	0.000963	0.00083495	0.366934
4313	492863.09	3856877.25	0.01554	0.00467	0.00676	0.03251	0.03169	0.01043	0.00511	0.00467	0.28687451	0.000198701	1.621E-08	0.0030298	0.0262918	0.002596	0.000834	0.00073156	0.319093
4314	493363.09	3856877.25	0.01282	0.00406	0.00578	0.01854	0.02327	0.00895	0.00432	0.00406	0.23666224	0.000172747	1.386E-08	0.0017279	0.0193061	0.0022276	0.000705	0.000636	0.260166
4315	493863.09	3856877.25	0.0096	0.00348	0.00495	0.01298	0.0172	0.00762	0.00359	0.00348	0.17721977	0.000148069	1.187E-08	0.0012097	0.0142701	0.0018966	0.000586	0.00054515	0.194785
4316	494363.09	3856877.25	0.00759	0.00307	0.00442	0.01008	0.01341	0.00666	0.00309	0.00307	0.14011438	0.000130624	1.06E-08	0.0009394	0.0111257	0.0016577	0.000504	0.00048092	0.153991
4317	494863.09	3856877.25	0.00677	0.00287	0.00415	0.00862	0.0115	0.00619	0.00286	0.00287	0.12497686	0.000122114	9.953E-09	0.0008033	0.009541	0.0015407	0.000467	0.00044959	0.137001
4318	495363.09	3856877.25	0.0063	0.00275	0.00398	0.00774	0.01048	0.00594	0.00273	0.00275	0.11630048	0.000117008	9.545E-09	0.0007213	0.0086948	0.0014784	0.000446	0.00043079	0.127327
4319	495863.09	3856877.25	0.0061	0.00271	0.00385	0.00728	0.00951	0.00587	0.0027	0.00271	0.1126084	0.000115306	9.234E-09	0.0006785	0.00789	0.001461	0.000441	0.00042452	0.122769
4320	496363.09	3856877.25	0.00598	0.00269	0.00375	0.00693	0.00893	0.00582	0.00268	0.00269	0.11039315	0.000114455	8.994E-09	0.0006458	0.0074088	0.0014486	0.000437	0.00042139	0.120027
4321	496863.09	3856877.25	0.00597	0.00272	0.00371	0.00671	0.00858	0.00588	0.00271	0.00272	0.11020855	0.000115732	8.898E-09	0.0006253	0.0071184	0.0014635	0.000442	0.00042609	0.119548
4322	497363.09	3856877.25	0.00609	0.00278	0.00371	0.00663	0.00838	0.00595	0.00278	0.00278	0.11242379	0.000118285	8.898E-09	0.0006179	0.0069525	0.0014809	0.000454	0.00043549	0.121612
4323	497863.09	3856877.25	0.00653	0.00291	0.00382	0.00675	0.00853	0.00672	0.00293	0.00291	0.12054637	0.000123816	9.162E-09	0.0006291	0.007077	0.0016726	0.000478	0.00045586	0.130071
4324	498363.09	3856877.25	0.00706	0.00306	0.00395	0.00699	0.00883	0.00711	0.00311	0.00306	0.13033037	0.000130198	9.473E-09	0.0006514	0.0073259	0.0017697	0.000508	0.00047935	0.140236
4325	471363.09	3857377.25	0.00163	0.00125	0.00069	0.00112	0.00116	0.00123	0.00128	0.00125	0.03009044	5.31856E-05	1.655E-09	0.0001044	0.0009624	0.0003061	0.000209	0.00019581	0.03153
4326	471863.09	3857377.25	0.0017	0.00127	0.0007	0.00115	0.0012	0.00127	0.0013	0.00127	0.03138267	5.40365E-05	1.679E-09	0.0001072	0.0009956	0.0003161	0.000212	0.00019895	0.032869
4327	472363.09	3857377.25	0.00179	0.0013	0.00072	0.0012	0.00124	0.00132	0.00133	0.0013	0.0330441	5.5313E-05	1.727E-09	0.0001118	0.0010288	0.0003285	0.000217	0.00020365	0.034582
4328	472863.09	3857377.25	0.00188	0.00134	0.00076	0.00124	0.00129	0.00138	0.00137	0.00134	0.03470554	5.70149E-05	1.823E-09	0.0001156	0.0010703	0.0003435	0.000224	0.00020991	0.036306

4329	473363.09	3857377.25	0.00199	0.00139	0.00081	0.0013	0.00134	0.00145	0.00142	0.00139	0.03673618	5.91424E-05	1.943E-09	0.0001212	0.0011117	0.0003609	0.000232	0.00021775	0.038403
4330	473863.09	3857377.25	0.00211	0.00146	0.00088	0.00137	0.00141	0.00154	0.00148	0.00146	0.03895143	6.21207E-05	2.111E-09	0.0001277	0.0011698	0.0003833	0.000242	0.00022871	0.040707
4331	474363.09	3857377.25	0.00221	0.00142	0.00087	0.00139	0.00145	0.00155	0.00145	0.00142	0.04079747	6.04188E-05	2.087E-09	0.0001295	0.001203	0.0003858	0.000237	0.00022244	0.04259
4332	474863.09	3857377.25	0.00222	0.00129	0.0008	0.00133	0.00148	0.00147	0.00134	0.00129	0.04098207	5.48875E-05	1.919E-09	0.000124	0.0012279	0.0003659	0.000219	0.00020208	0.042771
4333	475363.09	3857377.25	0.00201	0.00117	0.0008	0.00124	0.0015	0.00139	0.00119	0.00117	0.03710539	4.97817E-05	1.919E-09	0.0001156	0.0012445	0.000346	0.000194	0.00018328	0.038872
4334	475863.09	3857377.25	0.002	0.00116	0.00084	0.00126	0.00156	0.00143	0.00118	0.00116	0.03692079	4.93562E-05	2.015E-09	0.0001174	0.0012943	0.0003559	0.000193	0.00018172	0.038749
4335	476363.09	3857377.25	0.00236	0.00127	0.00096	0.00139	0.00165	0.00158	0.00129	0.00127	0.04356653	5.40365E-05	2.302E-09	0.0001295	0.0013689	0.0003933	0.000211	0.00019895	0.045524
4336	476863.09	3857377.25	0.00251	0.00132	0.00104	0.00146	0.00173	0.00167	0.00134	0.00132	0.04633559	5.6164E-05	2.494E-09	0.0001361	0.0014353	0.0004157	0.000219	0.00020678	0.048391
4337	477363.09	3857377.25	0.00247	0.00131	0.00103	0.00147	0.0018	0.0017	0.00132	0.00131	0.04559717	5.57385E-05	2.47E-09	0.000137	0.0014934	0.0004231	0.000215	0.00020521	0.047717
4338	477863.09	3857377.25	0.00223	0.00127	0.001	0.00142	0.00185	0.00169	0.00126	0.00127	0.04116668	5.40365E-05	2.398E-09	0.0001323	0.0015349	0.0004206	0.000206	0.00019895	0.043315
4339	478363.09	3857377.25	0.00212	0.00124	0.00102	0.00139	0.00181	0.0017	0.0012	0.00124	0.03913603	5.27601E-05	2.446E-09	0.0001295	0.0015017	0.0004231	0.000196	0.00019425	0.041245
4340	478863.09	3857377.25	0.00211	0.00122	0.00104	0.00142	0.00184	0.00174	0.00118	0.00122	0.03895143	5.19091E-05	2.494E-09	0.0001323	0.0015266	0.0004331	0.000193	0.00019111	0.041097
4341	479363.09	3857377.25	0.00261	0.00141	0.00118	0.00164	0.00216	0.00199	0.00138	0.00141	0.04818163	5.99933E-05	2.83E-09	0.0001528	0.0017921	0.0004953	0.000225	0.00022088	0.050686
4342	479863.09	3857377.25	0.00454	0.0018	0.00144	0.00226	0.00255	0.00257	0.00187	0.0018	0.08381018	7.65872E-05	3.454E-09	0.0002106	0.0021156	0.0006397	0.000305	0.00028197	0.086876
4343	480363.09	3857377.25	0.00436	0.00177	0.00151	0.00221	0.00265	0.00259	0.0018	0.00177	0.08048731	7.53108E-05	3.621E-09	0.000206	0.0021986	0.0006446	0.000294	0.00027727	0.083628
4344	480863.09	3857377.25	0.00621	0.0027	0.00273	0.00335	0.0035	0.00404	0.00265	0.0027	0.11463904	0.000114881	6.547E-09	0.0003122	0.0029038	0.0010055	0.000433	0.00042296	0.118985
4345	481363.09	3857377.25	0.00699	0.00282	0.00295	0.00366	0.0039	0.00437	0.00277	0.00282	0.12903815	0.000119987	7.075E-09	0.0003411	0.0032357	0.0010877	0.000452	0.00044176	0.133833
4346	481863.09	3857377.25	0.00761	0.00323	0.00388	0.00403	0.00456	0.00511	0.003	0.00323	0.14048359	0.000137432	9.306E-09	0.0003756	0.0037832	0.0012719	0.00049	0.00050598	0.146035
4347	482363.09	3857377.25	0.00806	0.00387	0.00417	0.00432	0.00526	0.00627	0.0032	0.00387	0.14879077	0.000164663	1E-08	0.0004026	0.004364	0.0015606	0.000522	0.00060624	0.155199
4348	482863.09	3857377.25	0.00923	0.0043	0.00466	0.00464	0.00599	0.00717	0.00336	0.0043	0.17038943	0.000182958	1.118E-08	0.0004324	0.0049696	0.0017846	0.000548	0.0006736	0.177634
4349	483363.09	3857377.25	0.01091	0.0048	0.00525	0.00506	0.00706	0.00829	0.0036	0.0048	0.20140289	0.000204233	1.259E-08	0.0004716	0.0058574	0.0020634	0.000588	0.00075193	0.209835
4350	483863.09	3857377.25	0.01318	0.00556	0.00661	0.00558	0.00861	0.00992	0.00394	0.00556	0.24330798	0.000236569	1.585E-08	0.00052	0.0071433	0.0024691	0.000643	0.00087098	0.253449
4351	484363.09	3857377.25	0.01707	0.00673	0.00623	0.00625	0.01085	0.01278	0.00436	0.00673	0.31511891	0.000286351	1.494E-08	0.0005825	0.0090018	0.0031809	0.000712	0.00105426	0.327828
4352	484863.09	3857377.25	0.02314	0.00888	0.00616	0.00717	0.01431	0.01899	0.00501	0.00888	0.4271735	0.00037783	1.477E-08	0.0006682	0.0118724	0.0047265	0.000818	0.00139106	0.444245
4353	485363.09	3857377.25	0.04106	0.01322	0.00798	0.00853	0.01985	0.05051	0.00587	0.01322	0.75798374	0.000562491	1.914E-08	0.000795	0.0164687	0.0125718	0.000958	0.00207093	0.787269
4354	485863.09	3857377.25	0.10734	0.03136	0.00967	0.01053	0.02943	0.08778	0.00733	0.03136	1.98153859	0.00133432	2.319E-08	0.0009814	0.0244168	0.0218481	0.001196	0.00491258	2.026403
4355	486363.09	3857377.25	0.12702	0.11371	0.01089	0.01463	0.05148	0.0403	0.0109	0.11371	2.34483912	0.004838185	2.612E-08	0.0013635	0.0427107	0.0100305	0.001779	0.01781281	2.387748
4356	486863.09	3857377.25	0.13709	0.03128	0.01204	0.02459	0.11355	0.03455	0.02506	0.03128	2.53073528	0.001330916	2.888E-08	0.0022917	0.0942074	0.0085994	0.004091	0.00490005	2.636355
4357	487363.09	3857377.25	0.13184	0.02224	0.013	0.09641	0.31686	0.10221	0.15224	0.02224	2.43381822	0.000946278	3.118E-08	0.008985	0.2628846	0.0254397	0.02485	0.00348392	2.75344
4358	487863.09	3857377.25	0.06177	0.01809	0.01487	0.12045	2.37935	0.07432	0.03742	0.01809	1.14029848	0.000769702	3.566E-08	0.0112254	1.9740405	0.018498	0.006108	0.00283382	3.148106
4359	488363.09	3857377.25	0.04327	0.01525	0.01793	0.05307	1.03554	0.04282	0.02245	0.01525	0.79878121	0.000648864	4.3E-08	0.0049459	0.8591413	0.0106578	0.003664	0.00238893	1.675451
4360	488863.09	3857377.25	0.03465	0.01331	0.01904	0.03737	0.38415	0.03385	0.01659	0.01331	0.63965262	0.00056632	4.566E-08	0.0034827	0.3187121	0.0084252	0.002708	0.00208503	0.971462
4361	489363.09	3857377.25	0.02979	0.01179	0.02003	0.0304	0.2146	0.02892	0.01346	0.01179	0.54993511	0.000501646	4.804E-08	0.0028332	0.178044	0.0071981	0.002197	0.00184692	0.738862
4362	489863.09	3857377.25	0.02675	0.01047	0.01749	0.02765	0.14186	0.02508	0.01145	0.01047	0.49381551	0.000445482	4.195E-08	0.0025769	0.1176949	0.0062423	0.001869	0.00164014	0.621004
4363	490363.09	3857377.25	0.02462	0.00942	0.01556	0.02762	0.10157	0.02218	0.01006	0.00942	0.45449488	0.000400806	3.732E-08	0.0025741	0.0842681	0.0055205	0.001642	0.00147565	0.547425
4364	490863.09	3857377.25	0.02276	0.00856	0.01369	0.03266	0.07677	0.01999	0.00899	0.00856	0.42015855	0.000364215	3.283E-08	0.0030438	0.0636926	0.0049754	0.001467	0.00134093	0.492361
4365	491363.09	3857377.25	0.02109	0.00785	0.01232	0.07757	0.06025	0.01822	0.00813	0.00785	0.38932969	0.000334005	2.955E-08	0.0072292	0.0499867	0.0045349	0.001327	0.00122971	0.451512
4366	491863.09	3857377.25	0.01985	0.00697	0.0109	0.1085	0.04838	0.01616	0.00726	0.00697	0.3664388	0.000296563	2.614E-08	0.0101118	0.0401387	0.0040222	0.001185	0.00109186	0.421101
4367	492363.09	3857377.25	0.01843	0.00554	0.00836	0.03769	0.03496	0.01294	0.0059	0.00554	0.34022504	0.000235718	2.005E-08	0.0035126	0.0290048	0.0032207	0.000963	0.00086785	0.376294
4368	492863.09	3857377.25	0.01516	0.00458	0.00698	0.02276	0.02375	0.01063	0.00477	0.00458	0.27985956	0.000194872	1.674E-08	0.0021211	0.0197043	0.0026458	0.000779	0.00071746	0.304587
4369	493363.09	3857377.25	0.01121	0.00391	0.00584	0.01604	0.01719	0.00897	0.00395	0.00391	0.20694101	0.000166364	1.401E-08	0.0014949	0.0142618	0.0022326	0.000645	0.00061251	0.225129
4370	493863.09	3857377.25	0.00958	0.00362	0.00543	0.01307	0.01422	0.0083	0.00361	0.00362	0.17685057	0.000154025	1.302E-08	0.0012181	0.0117977	0.0020658	0.000589	0.00056708	0.192108
4371	494363.09	3857377.25	0.00818	0.00334	0.00501	0.01086	0.01186	0.00764	0.0033	0.00334	0.15100602	0.000142112	1.202E-08	0.0010121	0.0098397	0.0019016	0.000539	0.00052322	0.163917
4372	494863.09	3857377.25	0.00746	0.00319	0.00472	0.00959	0.01049	0.00736	0.00315	0.00319	0.13771453	0.00013573	1.132E-08	0.0008937	0.0087031	0.0018319	0.000514	0.00049972	0.149293
4373	495363.09	3857377.25	0.00693	0.00307	0.0044	0.00865	0.00943	0.00723	0.00302	0.00307	0.12793052	0.000130624	1.055E-08	0.0008061	0.0078236	0.0017995	0.000493	0.00048092	0.138503
4374	495863.09	3857377.25	0.00669	0.00302	0.00425	0.00808	0.00877	0.00745	0.00298	0.00302	0.12350003	0.000128496	1.019E-08	0.000753	0.0072761	0.0018543	0.000486	0.00047309	0.133525
4375	496363.09	3857377.25	0.00653	0.00299	0.0041	0.00767	0.00827	0.0079	0.00296	0.00299	0.12054637	0.00012722	9.833E-09	0.0007148	0.0068612	0.0019663	0.000483	0.00046839	0.130231
4376	496863.09	3857377.25	0.00644	0.00298	0.00403	0.00734	0.0079	0.00832	0.00296	0.00298	0.11888493	0.000126794	9.665E-09	0.0006841	0.0065543	0.0020708	0.000483	0.00046682	0.128337
4377	497363.09	3857377.25	0.00659	0.00302	0.004	0.00721	0.00773	0.00885	0.00301	0.00302	0.12165399	0.000128496	9.593E-09	0.0006719	0.0064132	0.0022027	0.000491	0.00047309	0.131089
4378	497863.09	3857377.25	0.0069	0.00311	0.00405	0.00722	0.00782	0.01042	0.00312	0.00311	0.12737671	0.000132326	9.713E-09	0.0006729	0.0064879	0.0025935	0.000509	0.00048719	0.137285
4379	498363.09	3857377.25	0.00778	0.00338	0.00432	0.00778	0.00845	0.01126	0.00343	0.00338	0.14362186	0.000143814	1.036E-08	0.0007251	0.0070106	0.0028026	0.00056	0.00052948	0.154334
4380	471363.09	3857877.25	0.00163	0.00121	0.00067	0.0011	0.00114	0.00121	0.00123	0.00121	0.03009044	5.14836E-05	1.607E-09	0.0001025	0.0009458	0.0003012	0.000201	0.00018955	0.031503
4381	471863.09	3857877.25	0.0017	0.00123	0.0007	0.00114	0.00118	0.00125	0.00125	0.00123	0.03138267	5.23346E-05	1.679E-09	0.0001062	0.000979	0.0003111	0.000204	0.00019268	0.032843
4382	472363.09	3857877.25	0.00178	0.00126	0.00073	0.00118	0.00123	0.00131	0.00128	0.00126	0.0328595	5.36111E-05	1.751E-09	0.00011	0.0010205	0.0003261	0.000209	0.00019738	0.034381
4383	472863.09	3857877.25	0.00187	0.00131	0.00078	0.00124	0.00129	0.00138	0.00133	0.00131	0.03452093	5.57385E-05	1.871E-09	0.0001156	0.0010703	0.0003435	0.000217	0.00020521	0.036118
4384	473363.09	3857877.25	0.00197	0.00134	0.00082	0.00129	0.00134	0.00144	0.00137	0.00134	0.03636697	5.70149E-05	1.967E-09	0.0001202	0.0011117	0.0003584	0.000224	0.00020991	0.038028
4385	473863.09	3857877.25	0.00208	0.0014	0.00088	0.00136	0.00142	0.00153	0.00142	0.0014	0.03839762	5.95678E-05	2.111E-09	0.0001267	0.0011781	0.0003808	0.000232	0.00021931	0.040155

4386	474363.09	3857877.25	0.00217	0.00134	0.00087	0.00137	0.00145	0.00151	0.00138	0.00134	0.04005905	5.70149E-05	2.087E-09	0.0001277	0.001203	0.0003758	0.000225	0.00020991	0.041838
4387	474863.09	3857877.25	0.00212	0.00121	0.00084	0.0013	0.00144	0.00141	0.00125	0.00121	0.03913603	5.14836E-05	2.015E-09	0.0001212	0.0011947	0.0003509	0.000204	0.00018955	0.040869
4388	475363.09	3857877.25	0.00171	0.00103	0.00078	0.00114	0.00139	0.00127	0.00104	0.00103	0.03156727	4.38249E-05	1.871E-09	0.0001062	0.0011532	0.0003161	0.00017	0.00016135	0.033195
4389	475863.09	3857877.25	0.00133	0.00087	0.00067	0.00098	0.00121	0.00114	0.00086	0.00087	0.02455232	3.70172E-05	1.607E-09	9.133E-05	0.0010039	0.0002837	0.00014	0.00013629	0.025972
4390	476363.09	3857877.25	0.00194	0.00109	0.00084	0.00126	0.00151	0.00142	0.0011	0.00109	0.03581316	4.63778E-05	2.015E-09	0.0001174	0.0012528	0.0003534	0.00018	0.00017075	0.037592
4391	476863.09	3857877.25	0.00224	0.00118	0.00093	0.00138	0.00162	0.00155	0.0012	0.00118	0.04135128	5.02072E-05	2.23E-09	0.0001286	0.001344	0.0003858	0.000196	0.00018485	0.043271
4392	477363.09	3857877.25	0.00231	0.00121	0.00097	0.00142	0.00167	0.00161	0.00122	0.00121	0.04264351	5.14836E-05	2.326E-09	0.0001323	0.0013855	0.0004007	0.000199	0.00018955	0.044623
4393	477863.09	3857877.25	0.00233	0.00123	0.00102	0.00145	0.00171	0.00167	0.00124	0.00123	0.04301272	5.23346E-05	2.446E-09	0.0001351	0.0014187	0.0004157	0.000202	0.00019268	0.045044
4394	478363.09	3857877.25	0.00188	0.00113	0.00093	0.00131	0.00157	0.00157	0.0011	0.00113	0.03470554	4.80798E-05	2.23E-09	0.0001221	0.0013026	0.0003908	0.00018	0.00017702	0.036572
4395	478863.09	3857877.25	0.00186	0.00111	0.00091	0.00129	0.00153	0.00156	0.00108	0.00111	0.03433633	4.72288E-05	2.182E-09	0.0001202	0.0012694	0.0003883	0.000176	0.00017388	0.036164
4396	479363.09	3857877.25	0.00395	0.00165	0.00133	0.00206	0.00239	0.00229	0.00173	0.00165	0.07291855	7.0205E-05	3.19E-09	0.000192	0.0019829	0.00057	0.000282	0.00025847	0.075758
4397	479863.09	3857877.25	0.00478	0.00209	0.00189	0.00259	0.00321	0.00293	0.00216	0.00209	0.08824068	8.89263E-05	4.533E-09	0.0002414	0.0026632	0.0007293	0.000353	0.0003274	0.091989
4398	480363.09	3857877.25	0.0051	0.00238	0.00225	0.00285	0.0037	0.00339	0.00235	0.00238	0.094148	0.000101265	5.396E-09	0.0002656	0.0030697	0.0008438	0.000384	0.00037283	0.098439
4399	480863.09	3857877.25	0.00557	0.00251	0.00225	0.0031	0.00416	0.00375	0.00247	0.00251	0.10282439	0.000106797	5.396E-09	0.0002889	0.0034514	0.0009334	0.000403	0.00039319	0.107615
4400	481363.09	3857877.25	0.0061	0.00265	0.00265	0.00338	0.00476	0.00408	0.00259	0.00265	0.1126084	0.000112753	6.356E-09	0.000315	0.0039492	0.0010155	0.000423	0.00041513	0.118008
4401	481863.09	3857877.25	0.00657	0.00289	0.0029	0.00367	0.00556	0.00457	0.00276	0.00289	0.12128478	0.000122965	6.955E-09	0.000342	0.0046129	0.0011375	0.000451	0.00045272	0.127498
4402	482363.09	3857877.25	0.00688	0.00336	0.00336	0.00404	0.00649	0.00545	0.00298	0.00336	0.1270075	0.000142963	8.058E-09	0.0003765	0.0053845	0.0013565	0.000486	0.00052635	0.134228
4403	482863.09	3857877.25	0.0072	0.00378	0.00384	0.00434	0.00719	0.00644	0.00311	0.00378	0.13291483	0.000160833	9.21E-09	0.0004045	0.0059652	0.0016029	0.000508	0.00059214	0.140964
4404	483363.09	3857877.25	0.00784	0.00413	0.00439	0.00474	0.00843	0.0074	0.0033	0.00413	0.14472948	0.000175725	1.053E-08	0.0004417	0.006994	0.0018418	0.000539	0.00064697	0.154074
4405	483863.09	3857877.25	0.0086	0.00463	0.00438	0.00519	0.00998	0.00865	0.00357	0.00463	0.15875938	0.000196999	1.05E-08	0.0004837	0.00828	0.002153	0.000583	0.0007253	0.16973
4406	484363.09	3857877.25	0.01018	0.00528	0.00444	0.00572	0.01185	0.01058	0.00389	0.00528	0.1879268	0.000224656	1.065E-08	0.0005331	0.0098314	0.0026333	0.000635	0.00082712	0.200957
4407	484863.09	3857877.25	0.01273	0.00642	0.00476	0.00639	0.01438	0.01402	0.00437	0.00642	0.2350008	0.000273161	1.142E-08	0.0005955	0.0119304	0.0034895	0.000713	0.0010057	0.250997
4408	485363.09	3857877.25	0.01715	0.00819	0.00608	0.00736	0.01801	0.02132	0.005	0.00819	0.31659574	0.000348472	1.458E-08	0.0006859	0.0149421	0.0053065	0.000816	0.00128297	0.337412
4409	485863.09	3857877.25	0.04086	0.01145	0.00855	0.00879	0.02354	0.05207	0.00587	0.01145	0.75429166	0.00048718	2.051E-08	0.0008192	0.0195301	0.01296	0.000958	0.00179366	0.787253
4410	486363.09	3857877.25	0.10518	0.02102	0.01538	0.01095	0.03191	0.29653	0.00732	0.02102	1.94166414	0.000894369	3.689E-08	0.0010205	0.0264743	0.0738053	0.001195	0.00329281	2.041761
4411	486863.09	3857877.25	0.12387	0.16992	0.05083	0.01467	0.04438	0.09394	0.01052	0.16992	2.28668889	0.007229834	1.219E-07	0.0013672	0.0368201	0.0233813	0.001717	0.02661817	2.330586
4412	487363.09	3857877.25	0.13284	0.06942	0.11585	0.02395	0.06074	0.06575	0.02278	0.06942	2.45227861	0.002953714	2.778E-07	0.002232	0.0503933	0.016365	0.003718	0.01087473	2.517066
4413	487863.09	3857877.25	0.13216	0.03377	0.13599	0.07701	0.08056	0.12712	0.18122	0.03377	2.43972554	0.001436861	3.262E-07	0.007177	0.066837	0.0316397	0.02958	0.00529011	2.571107
4414	488363.09	3857877.25	0.06608	0.0239	0.07367	0.14205	0.11993	0.12327	0.03904	0.0239	1.21986277	0.001016908	1.767E-07	0.0132385	0.0995006	0.0306815	0.006372	0.00374396	1.366929
4415	488863.09	3857877.25	0.04688	0.01886	0.04544	0.06202	0.10359	0.06043	0.02322	0.01886	0.86542323	0.000802464	1.09E-07	0.00578	0.085944	0.0150408	0.00379	0.00295444	0.973826
4416	489363.09	3857877.25	0.04707	0.01545	0.0318	0.04723	0.0876	0.04251	0.01703	0.01545	0.8689307	0.000657374	7.627E-08	0.0044016	0.0726778	0.0105806	0.00278	0.00242026	0.957608
4417	489863.09	3857877.25	0.04691	0.01309	0.0226	0.04429	0.07472	0.03329	0.01363	0.01309	0.86597704	0.000556959	5.42E-08	0.0041276	0.0619918	0.0082858	0.002225	0.00205056	0.941114
4418	490363.09	3857877.25	0.03238	0.01153	0.01767	0.048	0.06258	0.0279	0.01159	0.01153	0.59774753	0.000490584	4.238E-08	0.0044734	0.0519198	0.0069442	0.001892	0.00180619	0.661661
4419	490863.09	3857877.25	0.02575	0.01031	0.01478	0.06394	0.0526	0.02414	0.01019	0.01031	0.47535512	0.000438675	3.545E-08	0.0059589	0.0436399	0.0060084	0.001663	0.00161507	0.531449
4420	491363.09	3857877.25	0.0232	0.00887	0.01289	0.32534	0.04426	0.02037	0.00881	0.00887	0.42828112	0.000377405	3.091E-08	0.0303203	0.0367205	0.00507	0.001438	0.0013895	0.500818
4421	491863.09	3857877.25	0.02147	0.00747	0.01062	0.06288	0.03618	0.01702	0.00752	0.00747	0.39634464	0.000317837	2.547E-08	0.0058602	0.0300169	0.0042362	0.001227	0.00117018	0.436833
4422	492363.09	3857877.25	0.01883	0.00584	0.00858	0.03106	0.02479	0.01331	0.00593	0.00584	0.3476092	0.000248483	2.058E-08	0.0028947	0.0205672	0.0033128	0.000968	0.00091484	0.374685
4423	492863.09	3857877.25	0.01423	0.00478	0.00714	0.02036	0.01709	0.01095	0.00476	0.00478	0.26269139	0.000203382	1.712E-08	0.0018975	0.0141788	0.0027254	0.000777	0.00074879	0.281725
4424	493363.09	3857877.25	0.01185	0.0043	0.00659	0.01598	0.01399	0.00998	0.00426	0.0043	0.21875566	0.000182958	1.581E-08	0.0014893	0.0116069	0.002484	0.000695	0.0006736	0.234541
4425	493863.09	3857877.25	0.01058	0.00403	0.0061	0.01348	0.01226	0.00952	0.00398	0.00403	0.19531096	0.00017147	1.463E-08	0.0012563	0.0101716	0.0023695	0.00065	0.0006313	0.209298
4426	494363.09	3857877.25	0.00966	0.00384	0.0056	0.01177	0.01089	0.00929	0.00379	0.00384	0.1783274	0.000163386	1.343E-08	0.0010969	0.0090349	0.0023122	0.000619	0.00060154	0.190952
4427	494863.09	3857877.25	0.00841	0.00359	0.00516	0.01018	0.00942	0.00896	0.00352	0.00359	0.15525191	0.000152749	1.238E-08	0.0009487	0.0078154	0.0022301	0.000575	0.00056238	0.166411
4428	495363.09	3857877.25	0.00788	0.00347	0.0049	0.00929	0.00863	0.00929	0.00341	0.00347	0.1454679	0.000147643	1.175E-08	0.0008658	0.0071599	0.0023122	0.000557	0.00054358	0.155967
4429	495863.09	3857877.25	0.00742	0.00337	0.00465	0.00857	0.008	0.01045	0.00331	0.00337	0.13697612	0.000143388	1.115E-08	0.0007987	0.0066372	0.002601	0.00054	0.00052791	0.147169
4430	496363.09	3857877.25	0.00732	0.00334	0.00447	0.00819	0.00769	0.01562	0.0033	0.00334	0.13513008	0.000142112	1.072E-08	0.0007633	0.00638	0.0038878	0.000539	0.00052322	0.146319
4431	496863.09	3857877.25	0.00723	0.00333	0.00437	0.00785	0.00743	0.08068	0.0033	0.00333	0.13346864	0.000141686	1.048E-08	0.0007316	0.0061643	0.020081	0.000539	0.00052165	0.160604
4432	497363.09	3857877.25	0.00704	0.00329	0.0042	0.00749	0.00711	0.14866	0.00328	0.00329	0.12996117	0.000139984	1.007E-08	0.000698	0.0058988	0.037001	0.000535	0.00051538	0.173719
4433	497863.09	3857877.25	0.00762	0.00346	0.0043	0.00773	0.00754	0.02785	0.00348	0.00346	0.14066819	0.000147218	1.031E-08	0.0007204	0.0062556	0.0069318	0.000568	0.00054201	0.154749
4434	498363.09	3857877.25	0.00807	0.00362	0.00436	0.00802	0.00795	0.018	0.00367	0.00362	0.14897537	0.000154025	1.046E-08	0.0007474	0.0065958	0.0044801	0.000599	0.00056708	0.160985
4435	471363.09	3858377.25	0.00162	0.00119	0.00069	0.0011	0.00126	0.00121	0.00121	0.00119	0.02990584	5.06327E-05	1.655E-09	0.0001025	0.0010454	0.0003012	0.000198	0.00018641	0.031417
4436	471863.09	3858377.25	0.00168	0.00121	0.00071	0.00114	0.00132	0.00125	0.00123	0.00121	0.03101346	5.14836E-05	1.703E-09	0.0001062	0.0010951	0.0003111	0.000201	0.00018955	0.032589
4437	472363.09	3858377.25	0.00176	0.00123	0.00074	0.00118	0.00138	0.0013	0.00125	0.00123	0.03249029	5.23346E-05	1.775E-09	0.00011	0.0011449	0.0003236	0.000204	0.00019268	0.034132
4438	472863.09	3858377.25	0.00184	0.00126	0.00078	0.00123	0.00145	0.00137	0.00128	0.00126	0.03396712	5.36111E-05	1.871E-09	0.0001146	0.001203	0.000341	0.000209	0.00019738	0.035691
4439	473363.09	3858377.25	0.00195	0.00133	0.00087	0.00131	0.00155	0.00146	0.00134	0.00133	0.03599777	5.65894E-05	2.087E-09	0.0001221	0.001286	0.0003634	0.000219	0.00020835	0.037836
4440	473863.09	3858377.25	0.00204	0.00133	0.00089	0.00135	0.00161	0.00149	0.00135	0.00133	0.0376592	5.65894E-05	2.135E-09	0.0001258	0.0013357	0.0003709	0.00022	0.00020835	0.03956
4441	474363.09	3858377.25	0.0021	0.00125	0.00086	0.00134	0.0016	0.00145	0.00129	0.00125	0.03876683	5.31856E-05	2.063E-09	0.0001249	0.0013274	0.0003609	0.000211	0.00019581	0.040648
4442	474863.09	3858377.25	0.00209	0.00117	0.00081	0.00131	0.0015	0.0014	0.00121	0.00117	0.03858222	4.97817E-05	1.943E-09	0.0001221	0.0012445	0.0003485	0.000198	0.00018328	0.040361

4443	475363.09	3858377.25	0.00186	0.00104	0.00077	0.00121	0.00131	0.00131	0.00106	0.00104	0.03433633	4.42504E-05	1.847E-09	0.0001128	0.0010868	0.0003261	0.000173	0.00016292	0.035916
4444	475863.09	3858377.25	0.00164	0.00097	0.00075	0.00114	0.00122	0.00127	0.00098	0.00097	0.03027504	4.1272E-05	1.799E-09	0.0001062	0.0010122	0.0003161	0.00016	0.00015195	0.031759
4445	476363.09	3858377.25	0.00176	0.001	0.0008	0.0012	0.00126	0.00134	0.00101	0.001	0.03249029	4.25485E-05	1.919E-09	0.0001118	0.0010454	0.0003335	0.000165	0.00015665	0.034032
4446	476863.09	3858377.25	0.00189	0.00104	0.00085	0.00127	0.00132	0.00142	0.00105	0.00104	0.03489014	4.42504E-05	2.039E-09	0.0001184	0.0010951	0.0003534	0.000171	0.00016292	0.03651
4447	477363.09	3858377.25	0.00191	0.00106	0.00088	0.00129	0.00133	0.00147	0.00106	0.00106	0.03525935	4.51014E-05	2.111E-09	0.0001202	0.0011034	0.0003659	0.000173	0.00016605	0.036901
4448	477863.09	3858377.25	0.00229	0.00116	0.00098	0.00146	0.0015	0.00162	0.00117	0.00116	0.0422743	4.93562E-05	2.35E-09	0.0001361	0.0012445	0.0004032	0.000191	0.00018172	0.044117
4449	478363.09	3858377.25	0.00246	0.00122	0.00101	0.00154	0.00159	0.00171	0.00123	0.00122	0.04541257	5.19091E-05	2.422E-09	0.0001435	0.0013192	0.0004256	0.000201	0.00019111	0.047362
4450	478863.09	3858377.25	0.00207	0.00116	0.00097	0.00142	0.00142	0.00165	0.00115	0.00116	0.03821301	4.93562E-05	2.326E-09	0.0001323	0.0011781	0.0004107	0.000188	0.00018172	0.039989
4451	479363.09	3858377.25	0.00373	0.00156	0.00126	0.00204	0.00257	0.00223	0.00165	0.00156	0.06885727	6.63756E-05	3.022E-09	0.0001901	0.0021322	0.000555	0.000269	0.00024438	0.071826
4452	479863.09	3858377.25	0.00429	0.00203	0.0017	0.00252	0.00387	0.00289	0.00205	0.00203	0.07919509	8.63734E-05	4.077E-09	0.0002349	0.0032108	0.0007193	0.000335	0.000318	0.083463
4453	480363.09	3858377.25	0.00453	0.0023	0.00179	0.00276	0.00446	0.00331	0.00224	0.0023	0.08362558	9.78615E-05	4.293E-09	0.0002572	0.0037003	0.0008238	0.000366	0.0003603	0.08851
4454	480863.09	3858377.25	0.0049	0.00242	0.00207	0.00297	0.00502	0.00355	0.00236	0.00242	0.09045593	0.000102967	4.965E-09	0.0002768	0.0041649	0.0008836	0.000385	0.0003791	0.09589
4455	481363.09	3858377.25	0.00526	0.00258	0.00239	0.00318	0.00564	0.00386	0.00249	0.00258	0.09710167	0.000109775	5.732E-09	0.0002964	0.0046793	0.0009607	0.000406	0.00040416	0.10315
4456	481863.09	3858377.25	0.00566	0.00269	0.00252	0.00341	0.00632	0.00415	0.0026	0.00269	0.10448582	0.000114455	6.044E-09	0.0003178	0.0052434	0.0010329	0.000424	0.00042139	0.111197
4457	482363.09	3858377.25	0.00605	0.00292	0.00264	0.00367	0.007	0.0047	0.00276	0.00292	0.11168538	0.000124241	6.332E-09	0.000342	0.0058076	0.0011698	0.000451	0.00045742	0.119122
4458	482863.09	3858377.25	0.00624	0.00331	0.00324	0.00403	0.00767	0.00561	0.00293	0.00331	0.11519285	0.000140835	7.771E-09	0.0003756	0.0063635	0.0013963	0.000478	0.00051852	0.123429
4459	483363.09	3858377.25	0.00643	0.00367	0.00403	0.00435	0.00803	0.00666	0.00307	0.00367	0.11870033	0.000156153	9.665E-09	0.0004054	0.0066621	0.0016577	0.000501	0.00057491	0.127508
4460	483863.09	3858377.25	0.00695	0.00399	0.00374	0.00472	0.00881	0.00778	0.00324	0.00399	0.12829973	0.000169768	8.97E-09	0.0004399	0.0073093	0.0019364	0.000529	0.00062504	0.138059
4461	484363.09	3858377.25	0.00794	0.00442	0.00428	0.00524	0.01004	0.00939	0.00351	0.00442	0.14657552	0.000188064	1.026E-08	0.0004883	0.0083297	0.0023371	0.000573	0.0006924	0.157799
4462	484863.09	3858377.25	0.00979	0.00507	0.00477	0.00586	0.01155	0.01197	0.00388	0.00507	0.18072725	0.000215721	1.144E-08	0.0005461	0.0095825	0.0029793	0.000633	0.00079422	0.19389
4463	485363.09	3858377.25	0.01258	0.00603	0.00572	0.00662	0.01358	0.01673	0.00437	0.00603	0.23223174	0.000256567	1.372E-08	0.000617	0.0112667	0.004164	0.000713	0.00094461	0.248305
4464	485863.09	3858377.25	0.01791	0.00737	0.00782	0.00769	0.01609	0.02855	0.005	0.00737	0.33062564	0.000313582	1.876E-08	0.0007167	0.0133492	0.007106	0.000816	0.00115452	0.351773
4465	486363.09	3858377.25	0.04652	0.0095	0.0117	0.00916	0.01856	0.1998	0.0059	0.0095	0.85877748	0.00040421	2.806E-08	0.0008537	0.0153984	0.0497295	0.000963	0.00148819	0.924638
4466	486863.09	3858377.25	0.111	0.0137	0.02056	0.01139	0.02025	0.15552	0.00737	0.0137	2.04910363	0.000582914	4.931E-08	0.0010615	0.0168005	0.0387084	0.001203	0.00214612	2.105314
4467	487363.09	3858377.25	0.1265	0.02711	0.04186	0.01535	0.01859	0.22976	0.01051	0.02711	2.33523972	0.001153489	1.004E-07	0.0014306	0.0154233	0.0571865	0.001716	0.00424681	2.407902
4468	487863.09	3858377.25	0.1335	0.46096	0.04078	0.02451	0.0137	0.14373	0.02183	0.46096	2.46446247	0.019613137	9.78E-08	0.0022842	0.0113663	0.0357739	0.003563	0.07220995	2.464853
4469	488363.09	3858377.25	0.13272	0.06325	0.03702	0.0684	0.02296	0.09414	0.23715	0.06325	2.45006336	0.00269119	8.879E-08	0.0063746	0.0190489	0.0234311	0.03871	0.00990819	2.530411
4470	488863.09	3858377.25	0.06875	0.0339	0.02807	0.1817	0.02659	0.1212	0.04213	0.0339	1.26915202	0.001442393	6.732E-08	0.0169337	0.0220605	0.0301663	0.006877	0.00531048	1.341321
4471	489363.09	3858377.25	0.04513	0.0235	0.02286	0.33004	0.02674	0.05867	0.02438	0.0235	0.83311754	0.000999889	5.483E-08	0.0307584	0.022185	0.0146028	0.00398	0.0036813	0.901962
4472	489863.09	3858377.25	0.0351	0.01824	0.01778	0.35643	0.02722	0.04174	0.01788	0.01824	0.6479598	0.000776084	4.264E-08	0.0332178	0.0225832	0.0103889	0.002919	0.00285732	0.714987
4473	490363.09	3858377.25	0.02952	0.01502	0.01475	0.29294	0.02749	0.03319	0.01441	0.01502	0.5449508	0.000639078	3.538E-08	0.0273008	0.0228072	0.0082609	0.002352	0.0023529	0.603958
4474	490863.09	3858377.25	0.02583	0.01282	0.01467	0.19573	0.02769	0.02762	0.0122	0.01282	0.47683195	0.000545471	3.518E-08	0.0182412	0.0229732	0.0068745	0.001991	0.00200827	0.525449
4475	491363.09	3858377.25	0.02366	0.01048	0.01321	0.07668	0.02687	0.02247	0.01003	0.01048	0.4367729	0.000445908	3.168E-08	0.0071463	0.0222928	0.0055927	0.001637	0.0016417	0.472246
4476	491863.09	3858377.25	0.02214	0.00791	0.01095	0.03687	0.02218	0.017	0.00771	0.00791	0.4087131	0.000336558	2.626E-08	0.0034361	0.0184018	0.0042312	0.001258	0.00123911	0.435138
4477	492363.09	3858377.25	0.01746	0.00612	0.00917	0.02201	0.01457	0.01315	0.00598	0.00612	0.32231846	0.000260397	2.199E-08	0.0020512	0.0120881	0.003273	0.000976	0.00095871	0.340009
4478	492863.09	3858377.25	0.01701	0.006	0.00885	0.01966	0.01517	0.01317	0.00593	0.006	0.31401129	0.000255291	2.123E-08	0.0018322	0.0125859	0.003278	0.000968	0.00093991	0.331991
4479	493363.09	3858377.25	0.01458	0.00537	0.00788	0.01605	0.01301	0.01221	0.00531	0.00537	0.26915253	0.000228485	1.89E-08	0.0014958	0.0107938	0.003039	0.000867	0.00084122	0.284735
4480	493863.09	3858377.25	0.013	0.00495	0.00719	0.01392	0.01177	0.01191	0.00489	0.00495	0.23998511	0.000210615	1.724E-08	0.0012973	0.009765	0.0029644	0.000798	0.00077542	0.254245
4481	494363.09	3858377.25	0.01143	0.00455	0.00649	0.01216	0.01043	0.01179	0.00451	0.00455	0.21100229	0.000193595	1.557E-08	0.0011333	0.0086533	0.0029345	0.000736	0.00071276	0.22394
4482	494863.09	3858377.25	0.01015	0.00426	0.00587	0.01081	0.00924	0.01217	0.00421	0.00426	0.18737299	0.000181256	1.408E-08	0.0010074	0.007666	0.0030291	0.000687	0.00066733	0.199277
4483	495363.09	3858377.25	0.00891	0.00396	0.00529	0.00959	0.0082	0.01322	0.00391	0.00396	0.1644821	0.000168492	1.269E-08	0.0008937	0.0068032	0.0032904	0.000638	0.00062034	0.175656
4484	495863.09	3858377.25	0.0085	0.00385	0.00499	0.009	0.00782	0.01908	0.00381	0.00385	0.15691334	0.000163812	1.197E-08	0.0008388	0.0064879	0.0047489	0.000622	0.00060311	0.169172
4485	496363.09	3858377.25	0.00807	0.00374	0.00471	0.00843	0.00743	0.08773	0.00371	0.00374	0.14897537	0.000159131	1.13E-08	0.0007856	0.0061643	0.0218357	0.000606	0.00058588	0.17794
4486	496863.09	3858377.25	0.0081	0.00376	0.00462	0.00825	0.00742	0.0536	0.00375	0.00376	0.14952918	0.000159982	1.108E-08	0.0007689	0.006156	0.0133409	0.000612	0.00058901	0.169978
4487	497363.09	3858377.25	0.00789	0.00372	0.00443	0.00795	0.00721	0.02824	0.00372	0.00372	0.1456525	0.00015828	1.062E-08	0.0007409	0.0059818	0.0070288	0.000607	0.00058274	0.159587
4488	497863.09	3858377.25	0.00817	0.00387	0.00452	0.00812	0.00758	0.02083	0.00389	0.00387	0.15082141	0.000164663	1.084E-08	0.0007568	0.0062888	0.0051845	0.000635	0.00060624	0.163245
4489	498363.09	3858377.25	0.00832	0.00409	0.00472	0.00849	0.00812	0.01759	0.00412	0.00409	0.15359047	0.000174023	1.132E-08	0.0007912	0.0067368	0.0043781	0.000673	0.0006407	0.165702
4490	471363.09	3858877.25	0.0016	0.00116	0.00068	0.0011	0.00135	0.00121	0.00118	0.00116	0.02953663	4.93562E-05	1.631E-09	0.0001025	0.00112	0.0003012	0.000193	0.00018172	0.031121
4491	471863.09	3858877.25	0.00166	0.00118	0.00071	0.00113	0.00138	0.00125	0.00119	0.00118	0.03064425	5.02072E-05	1.703E-09	0.0001053	0.0011449	0.0003111	0.000194	0.00018485	0.032265
4492	472363.09	3858877.25	0.00174	0.00122	0.00076	0.00119	0.00144	0.00131	0.00123	0.00122	0.03212108	5.19091E-05	1.823E-09	0.0001109	0.0011947	0.0003261	0.000201	0.00019111	0.033814
4493	472863.09	3858877.25	0.00182	0.00125	0.00081	0.00124	0.00149	0.00136	0.00126	0.00125	0.03359792	5.31856E-05	1.943E-09	0.0001156	0.0012362	0.0003385	0.000206	0.00019581	0.035351
4494	473363.09	3858877.25	0.00189	0.0013	0.00088	0.0013	0.00157	0.00144	0.00131	0.0013	0.03489014	5.5313E-05	2.111E-09	0.0001212	0.0013026	0.0003584	0.000214	0.00020365	0.036738
4495	473863.09	3858877.25	0.002	0.00131	0.00089	0.00134	0.00162	0.00147	0.00132	0.00131	0.03692079	5.57385E-05	2.135E-09	0.0001249	0.001344	0.0003659	0.000215	0.00020521	0.038822
4496	474363.09	3858877.25	0.00206	0.00124	0.00084	0.00134	0.00159	0.00145	0.00128	0.00124	0.03802841	5.27601E-05	2.015E-09	0.0001249	0.0013192	0.0003609	0.000209	0.00019425	0.039901
4497	474863.09	3858877.25	0.00176	0.00098	0.00073	0.00116	0.00115	0.00124	0.00101	0.00098	0.03249029	4.16975E-05	1.751E-09	0.0001081	0.0009541	0.0003086	0.000165	0.00015352	0.033914
4498	475363.09	3858877.25	0.00156	0.00092	0.00071	0.00108	0.00105	0.00119	0.00093	0.00092	0.02879821	3.91446E-05	1.703E-09	0.0001007	0.0008711	0.0002962	0.000152	0.00014412	0.030113
4499	475863.09	3858877.25	0.0017	0.00096	0.00075	0.00116	0.00113	0.00127	0.00097	0.00096	0.03138267	4.08465E-05	1.799E-09	0.0001081	0.0009375	0.0003161	0.000158	0.00015039	0.032793

4500	476363.09	3858877.25	0.00144	0.00087	0.00073	0.00106	0.00099	0.00119	0.00086	0.00087	0.02658297	3.70172E-05	1.751E-09	9.879E-05	0.0008214	0.0002962	0.00014	0.00013629	0.02784
4501	476863.09	3858877.25	0.00161	0.00094	0.00079	0.00115	0.0011	0.0013	0.00093	0.00094	0.02972123	3.99956E-05	1.895E-09	0.0001072	0.0009126	0.0003236	0.000152	0.00014725	0.031109
4502	477363.09	3858877.25	0.00169	0.00096	0.00079	0.00121	0.00115	0.00136	0.00096	0.00096	0.03119806	4.08465E-05	1.895E-09	0.0001128	0.0009541	0.0003385	0.000157	0.00015039	0.032651
4503	477863.09	3858877.25	0.00192	0.00103	0.00084	0.00131	0.00133	0.00146	0.00103	0.00103	0.03544395	4.38249E-05	2.015E-09	0.0001221	0.0011034	0.0003634	0.000168	0.00016135	0.037083
4504	478363.09	3858877.25	0.00281	0.00125	0.00099	0.00167	0.0021	0.00179	0.00131	0.00125	0.0518737	5.31856E-05	2.374E-09	0.0001556	0.0017423	0.0004455	0.000214	0.00019581	0.054288
4505	478863.09	3858877.25	0.00269	0.00123	0.001	0.00163	0.00197	0.00178	0.00127	0.00123	0.04965846	5.23346E-05	2.398E-09	0.0001519	0.0016344	0.000443	0.000207	0.00019268	0.051955
4506	479363.09	3858877.25	0.00245	0.00122	0.001	0.00158	0.00183	0.00174	0.00124	0.00122	0.04522796	5.19091E-05	2.398E-09	0.0001472	0.0015183	0.0004331	0.000202	0.00019111	0.04739
4507	479863.09	3858877.25	0.00384	0.00195	0.00154	0.00244	0.00423	0.00286	0.00193	0.00195	0.07088791	8.29695E-05	3.693E-09	0.0002274	0.0035094	0.0007118	0.000315	0.00030547	0.075429
4508	480363.09	3858877.25	0.00405	0.00212	0.00176	0.00266	0.00459	0.00321	0.00205	0.00212	0.07476459	9.02027E-05	4.221E-09	0.0002479	0.0038081	0.000799	0.000335	0.0003321	0.079712
4509	480863.09	3858877.25	0.00431	0.00226	0.0022	0.00287	0.00489	0.0035	0.00216	0.00226	0.07956429	9.61595E-05	5.276E-09	0.0002675	0.004057	0.0008711	0.000353	0.00035403	0.084855
4510	481363.09	3858877.25	0.00458	0.00239	0.00246	0.00306	0.0052	0.00381	0.00227	0.00239	0.0845486	0.000101691	5.9E-09	0.0002852	0.0043142	0.0009483	0.000371	0.0003744	0.090194
4511	481863.09	3858877.25	0.00485	0.00253	0.00243	0.00329	0.00554	0.00413	0.00241	0.00253	0.08953291	0.000107648	5.828E-09	0.0003066	0.0045963	0.0010279	0.000393	0.00039633	0.095568
4512	482363.09	3858877.25	0.00521	0.0027	0.00231	0.00352	0.00595	0.0045	0.00255	0.0027	0.09617865	0.000114881	5.54E-09	0.000328	0.0049364	0.00112	0.000416	0.00042296	0.102671
4513	482863.09	3858877.25	0.00553	0.00289	0.00316	0.00384	0.00653	0.00502	0.00272	0.00289	0.10208597	0.000122965	7.579E-09	0.0003579	0.0054176	0.0012495	0.000444	0.00045272	0.109225
4514	483363.09	3858877.25	0.00545	0.00338	0.00335	0.00411	0.00664	0.00624	0.00293	0.00338	0.10060914	0.000143814	8.034E-09	0.000383	0.0055089	0.0015531	0.000478	0.00052948	0.108147
4515	483863.09	3858877.25	0.00588	0.00361	0.00313	0.00443	0.00717	0.00716	0.00307	0.00361	0.10854711	0.0001536	7.507E-09	0.0004129	0.0059486	0.0017821	0.000501	0.00056551	0.11678
4516	484363.09	3858877.25	0.0066	0.00388	0.00361	0.00486	0.00809	0.00843	0.00326	0.00388	0.12183859	0.000165088	8.658E-09	0.0004529	0.0067119	0.0020982	0.000532	0.00060781	0.131191
4517	484863.09	3858877.25	0.0079	0.00423	0.00391	0.00539	0.00927	0.01034	0.00349	0.00423	0.14583711	0.00017998	9.378E-09	0.0005023	0.0076909	0.0025736	0.00057	0.00066263	0.156691
4518	485363.09	3858877.25	0.01007	0.00478	0.00473	0.00602	0.01033	0.01345	0.00383	0.00478	0.18589616	0.000203382	1.134E-08	0.000561	0.0085703	0.0033477	0.000625	0.00074879	0.198455
4519	485863.09	3858877.25	0.0139	0.00553	0.00548	0.00695	0.01097	0.01966	0.00431	0.00553	0.25659946	0.000235293	1.314E-08	0.0006477	0.0091013	0.0048933	0.000704	0.00086628	0.271314
4520	486363.09	3858877.25	0.02622	0.00649	0.00711	0.0082	0.01142	0.04518	0.00492	0.00649	0.48403151	0.000276139	1.705E-08	0.0007642	0.0094747	0.0112451	0.000803	0.00101667	0.505578
4521	486863.09	3858877.25	0.1005	0.0079	0.01061	0.01006	0.01081	0.0727	0.00585	0.0079	1.8552695	0.000336133	2.545E-08	0.0009376	0.0089686	0.0180948	0.000955	0.00123754	1.883324
4522	487363.09	3858877.25	0.12073	0.01037	0.00979	0.01303	0.0091	0.05664	0.00746	0.01037	2.22872325	0.000441228	2.348E-08	0.0012143	0.0075499	0.0140975	0.001218	0.00162447	2.251619
4523	487863.09	3858877.25	0.12953	0.01531	0.01155	0.01759	0.00683	0.18242	0.01046	0.01531	2.39117471	0.000651417	2.77E-08	0.0016393	0.0056665	0.0454037	0.001707	0.00239833	2.443845
4524	488363.09	3858877.25	0.13199	0.03441	0.01288	0.0283	0.00855	0.09777	0.02039	0.03441	2.43658728	0.001464092	3.089E-08	0.0026374	0.0070936	0.0243346	0.003328	0.00539037	2.470055
4525	488863.09	3858877.25	0.11552	0.23703	0.01694	0.07511	0.01538	0.07463	0.34546	0.23703	2.1325446	0.010085261	4.063E-08	0.0069999	0.0127601	0.0185752	0.056389	0.03713104	2.200223
4526	489363.09	3858877.25	0.05293	0.0545	0.0217	0.36113	0.01323	0.13986	0.05533	0.0545	0.9771086	0.002318891	5.204E-08	0.0336558	0.0109763	0.0348107	0.009031	0.00853749	1.059364
4527	489863.09	3858877.25	0.03834	0.03153	0.02244	0.10502	0.0133	0.06028	0.03009	0.03153	0.70777147	0.001341553	5.382E-08	0.0097874	0.0110344	0.0150035	0.004912	0.00493921	0.744911
4528	490363.09	3858877.25	0.03107	0.02191	0.02658	0.06559	0.01402	0.04114	0.02076	0.02191	0.57356441	0.000932237	6.375E-08	0.0061127	0.0116318	0.0102396	0.003389	0.00343223	0.602437
4529	490863.09	3858877.25	0.02726	0.01552	0.02592	0.04514	0.01379	0.02964	0.01478	0.01552	0.50323031	0.000660352	6.216E-08	0.0042069	0.0114409	0.0073773	0.002413	0.00243123	0.526897
4530	491363.09	3858877.25	0.02499	0.01107	0.02087	0.03001	0.0122	0.02147	0.01066	0.01107	0.46132522	0.000471011	5.005E-08	0.0027968	0.0101218	0.0053438	0.00174	0.00173413	0.480065
4531	491863.09	3858877.25	0.02116	0.0084	0.01511	0.02143	0.01037	0.01651	0.00814	0.0084	0.39062192	0.000357407	3.624E-08	0.0019972	0.0086035	0.0041093	0.001329	0.00131587	0.405702
4532	492363.09	3858877.25	0.01961	0.00822	0.01375	0.02128	0.01241	0.0166	0.00797	0.00822	0.36200831	0.000349748	3.298E-08	0.0019832	0.010296	0.0041317	0.001301	0.00128767	0.378782
4533	492863.09	3858877.25	0.01781	0.00835	0.01365	0.02197	0.01351	0.0174	0.00809	0.00835	0.3287796	0.00035528	3.274E-08	0.0020475	0.0112086	0.0043308	0.001321	0.00130804	0.346734
4534	493363.09	3858877.25	0.01622	0.00736	0.01125	0.01872	0.01258	0.01632	0.0072	0.00736	0.29942758	0.000313157	2.698E-08	0.0017446	0.0104371	0.004062	0.001175	0.00115295	0.316007
4535	493863.09	3858877.25	0.01438	0.00627	0.00899	0.01502	0.01055	0.0157	0.00619	0.00627	0.26546045	0.000266779	2.156E-08	0.0013998	0.0087529	0.0039077	0.00101	0.0009822	0.279816
4536	494363.09	3858877.25	0.01307	0.00572	0.00772	0.0134	0.00981	0.01813	0.00567	0.00572	0.24127734	0.000243377	1.852E-08	0.0012488	0.0081389	0.0045125	0.000926	0.00089604	0.25545
4537	494863.09	3858877.25	0.01171	0.0052	0.00685	0.0118	0.00896	0.02376	0.00517	0.0052	0.2161712	0.000221252	1.643E-08	0.0010997	0.0074337	0.0059138	0.000844	0.00081459	0.230869
4538	495363.09	3858877.25	0.01046	0.00478	0.00602	0.01046	0.00821	0.03185	0.00475	0.00478	0.19309571	0.000203382	1.444E-08	0.0009748	0.0068115	0.0079274	0.000775	0.00074879	0.209039
4539	495863.09	3858877.25	0.00964	0.00452	0.00549	0.00961	0.00782	0.11444	0.00451	0.00452	0.17795819	0.000192319	1.317E-08	0.0008956	0.0064879	0.0284837	0.000736	0.00070806	0.214046
4540	496363.09	3858877.25	0.00913	0.00438	0.00514	0.00909	0.00761	0.05877	0.00438	0.00438	0.16854339	0.000186362	1.233E-08	0.0008472	0.0063137	0.0146277	0.000715	0.00068613	0.190547
4541	496863.09	3858877.25	0.00869	0.00427	0.00485	0.00866	0.00736	0.03171	0.00427	0.00427	0.16042082	0.000181682	1.163E-08	0.0008071	0.0061063	0.0078925	0.000697	0.0006689	0.175436
4542	497363.09	3858877.25	0.00826	0.00417	0.00459	0.00824	0.00709	0.02273	0.00418	0.00417	0.15248285	0.000177427	1.101E-08	0.0007679	0.0058823	0.0056574	0.000682	0.00065324	0.164997
4543	497863.09	3858877.25	0.00828	0.00436	0.00468	0.00854	0.00749	0.01877	0.00437	0.00436	0.15285205	0.000185511	1.122E-08	0.0007959	0.0062141	0.0046718	0.000713	0.000683	0.16475
4544	498363.09	3858877.25	0.00806	0.00458	0.00478	0.00884	0.00775	0.01639	0.00458	0.00458	0.14879077	0.000194872	1.146E-08	0.0008239	0.0064298	0.0040794	0.000748	0.00071746	0.160349
4545	471363.09	3859377.25	0.00158	0.00113	0.00072	0.00109	0.00126	0.00122	0.00114	0.00113	0.02916742	4.80798E-05	1.727E-09	0.0001016	0.0010454	0.0003037	0.000186	0.00017702	0.030675
4546	471863.09	3859377.25	0.00164	0.00116	0.00076	0.00113	0.00132	0.00126	0.00117	0.00116	0.03027504	4.93562E-05	1.823E-09	0.0001053	0.0010951	0.0003136	0.000191	0.00018172	0.031848
4547	472363.09	3859377.25	0.00171	0.00119	0.0008	0.00118	0.00141	0.00132	0.0012	0.00119	0.03156727	5.06327E-05	1.919E-09	0.00011	0.0011698	0.0003285	0.000196	0.00018641	0.033236
4548	472863.09	3859377.25	0.00177	0.00123	0.00084	0.00123	0.00151	0.00137	0.00123	0.00123	0.0326749	5.23346E-05	2.015E-09	0.0001146	0.0012528	0.000341	0.000201	0.00019268	0.034444
4549	473363.09	3859377.25	0.00184	0.00127	0.00086	0.00128	0.00163	0.00144	0.00126	0.00127	0.03396712	5.40365E-05	2.063E-09	0.0001193	0.0013523	0.0003584	0.000206	0.00019895	0.035858
4550	473863.09	3859377.25	0.00193	0.00129	0.00087	0.00133	0.00175	0.00149	0.00128	0.00129	0.03562856	5.48875E-05	2.087E-09	0.000124	0.0014519	0.0003709	0.000209	0.00020208	0.037637
4551	474363.09	3859377.25	0.00199	0.00122	0.00082	0.00134	0.00178	0.00145	0.00124	0.00122	0.03673618	5.19091E-05	1.967E-09	0.0001249	0.0014768	0.0003609	0.000202	0.00019111	0.038762
4552	474863.09	3859377.25	0.00197	0.00109	0.0008	0.00127	0.0016	0.00136	0.00113	0.00109	0.03636697	4.63778E-05	1.919E-09	0.0001184	0.0013274	0.0003385	0.000184	0.00017075	0.038211
4553	475363.09	3859377.25	0.00176	0.00096	0.00078	0.00116	0.00132	0.00124	0.00099	0.00096	0.03249029	4.08465E-05	1.871E-09	0.0001081	0.0010951	0.0003086	0.000162	0.00015039	0.034054
4554	475863.09	3859377.25	0.00147	0.00087	0.0007	0.00105	0.00105	0.00116	0.00088	0.00087	0.02713678	3.70172E-05	1.679E-09	9.786E-05	0.0008711	0.0002887	0.000144	0.00013629	0.028439
4555	476363.09	3859377.25	0.00143	0.00086	0.00068	0.00105	0.00105	0.00117	0.00086	0.00086	0.02639836	3.65917E-05	1.631E-09	9.786E-05	0.0008711	0.0002912	0.00014	0.00013472	0.027701
4556	476863.09	3859377.25	0.00133	0.00083	0.00065	0.00102	0.001	0.00115	0.00082	0.00083	0.02455232	3.53152E-05	1.559E-09	9.506E-05	0.0008297	0.0002862	0.000134	0.00013002	0.025802

4557	477363.09	3859377.25	0.00142	0.00086	0.00067	0.00108	0.00109	0.00121	0.00086	0.00086	0.02621376	3.65917E-05	1.607E-09	0.0001007	0.0009043	0.0003012	0.00014	0.00013472	0.027562
4558	477863.09	3859377.25	0.00195	0.001	0.00078	0.00131	0.00147	0.00141	0.00102	0.001	0.03599777	4.25485E-05	1.871E-09	0.0001221	0.0012196	0.0003509	0.000166	0.00015665	0.037743
4559	478363.09	3859377.25	0.00254	0.00114	0.00092	0.00157	0.00205	0.00164	0.00119	0.00114	0.0468894	4.85052E-05	2.206E-09	0.0001463	0.0017008	0.0004082	0.000194	0.00017858	0.049209
4560	478863.09	3859377.25	0.00305	0.00134	0.00104	0.00188	0.00282	0.00194	0.00141	0.00134	0.0563042	5.70149E-05	2.494E-09	0.0001752	0.0023396	0.0004829	0.00023	0.00020991	0.059379
4561	479363.09	3859377.25	0.00334	0.00156	0.00119	0.00213	0.0033	0.00227	0.0016	0.00156	0.06165771	6.63756E-05	2.854E-09	0.0001985	0.0027379	0.000565	0.000261	0.00024438	0.065242
4562	479863.09	3859377.25	0.00355	0.00176	0.00137	0.00237	0.00356	0.00264	0.00175	0.00176	0.0655344	7.48853E-05	3.286E-09	0.0002209	0.0029536	0.0006571	0.000286	0.00027571	0.069451
4563	480363.09	3859377.25	0.00369	0.00195	0.00187	0.00259	0.00378	0.00303	0.00189	0.00195	0.06811885	8.29695E-05	4.485E-09	0.0002414	0.0031361	0.0007542	0.000309	0.00030547	0.072336
4564	480863.09	3859377.25	0.00384	0.0021	0.00214	0.00277	0.0041	0.00334	0.002	0.0021	0.07088791	8.93518E-05	5.132E-09	0.0002582	0.0034016	0.0008313	0.000326	0.00032897	0.075466
4565	481363.09	3859377.25	0.00401	0.00222	0.00206	0.00295	0.00439	0.00365	0.0021	0.00222	0.07402618	9.44576E-05	4.941E-09	0.0002749	0.0036422	0.0009085	0.000343	0.00034777	0.078941
4566	481863.09	3859377.25	0.00421	0.00234	0.00201	0.00315	0.00474	0.00393	0.0022	0.00234	0.07771825	9.95634E-05	4.821E-09	0.0002936	0.0039326	0.0009782	0.000359	0.00036656	0.083015
4567	482363.09	3859377.25	0.00451	0.00248	0.00219	0.00336	0.00517	0.00429	0.00232	0.00248	0.08325637	0.00010552	5.252E-09	0.0003131	0.0042893	0.0010678	0.000379	0.0003885	0.089022
4568	482863.09	3859377.25	0.00474	0.00264	0.00267	0.00366	0.00559	0.00479	0.00245	0.00264	0.08750226	0.000112328	6.404E-09	0.0003411	0.0046378	0.0011922	0.0004	0.00041356	0.093772
4569	483363.09	3859377.25	0.00487	0.00293	0.00268	0.00398	0.00596	0.00556	0.00262	0.00293	0.08990211	0.000124667	6.428E-09	0.0003709	0.0049447	0.0013839	0.000428	0.00045899	0.096695
4570	483863.09	3859377.25	0.00508	0.00317	0.00272	0.00423	0.00624	0.00638	0.00278	0.00317	0.0937788	0.000134879	6.523E-09	0.0003942	0.005177	0.001588	0.000454	0.00049658	0.10103
4571	484363.09	3859377.25	0.00563	0.00343	0.00314	0.00463	0.0069	0.00732	0.003	0.00343	0.10393201	0.000145941	7.531E-09	0.0004315	0.0057246	0.0018219	0.00049	0.00053731	0.112008
4572	484863.09	3859377.25	0.0065	0.00373	0.00298	0.00512	0.00745	0.00861	0.00324	0.00373	0.11999255	0.000158706	7.147E-09	0.0004772	0.0061809	0.002143	0.000529	0.00058431	0.128897
4573	485363.09	3859377.25	0.00798	0.00411	0.00332	0.00567	0.00748	0.01063	0.00354	0.00411	0.14731394	0.000174874	7.962E-09	0.0005284	0.0062058	0.0026458	0.000578	0.00064384	0.156803
4574	485863.09	3859377.25	0.01031	0.00457	0.00415	0.00634	0.00744	0.01406	0.00388	0.00457	0.19032665	0.000194446	9.953E-09	0.0005909	0.0061726	0.0034995	0.000633	0.0007159	0.200702
4575	486363.09	3859377.25	0.01477	0.00509	0.00521	0.00722	0.00746	0.02247	0.00428	0.00509	0.27266001	0.000216572	1.25E-08	0.0006729	0.0061892	0.0055927	0.000699	0.00079735	0.285233
4576	486863.09	3859377.25	0.03877	0.00576	0.00534	0.00841	0.00677	0.10397	0.0048	0.00576	0.71570944	0.000245079	1.281E-08	0.0007838	0.0056168	0.0258778	0.000783	0.00090231	0.748114
4577	487363.09	3859377.25	0.10079	0.0067	0.00536	0.01023	0.00505	0.12464	0.00563	0.0067	1.86062301	0.000285075	1.286E-08	0.0009534	0.0041898	0.0310225	0.000919	0.00104956	1.896943
4578	487863.09	3859377.25	0.11674	0.00821	0.00626	0.01334	0.00456	0.08127	0.00702	0.00821	2.15506628	0.000349323	1.501E-08	0.0012432	0.0037832	0.0202278	0.001146	0.00128611	2.18053
4579	488363.09	3859377.25	0.12303	0.01089	0.0085	0.019	0.00426	0.27082	0.00948	0.01089	2.27118216	0.000463353	2.039E-08	0.0017707	0.0035343	0.0674062	0.001547	0.00170593	2.344198
4580	488863.09	3859377.25	0.08733	0.01701	0.01486	0.03514	0.00822	0.05914	0.0154	0.01701	1.61214612	0.000723749	3.564E-08	0.0032749	0.0068198	0.0147197	0.002514	0.00266464	1.637533
4581	489363.09	3859377.25	0.04897	0.0459	0.06734	0.13956	0.01011	0.04979	0.0433	0.0459	0.90400545	0.001952974	1.615E-07	0.0130064	0.0083878	0.0123926	0.007068	0.00719029	0.939623
4582	489863.09	3859377.25	0.08365	0.14876	1.92785	0.44401	0.00808	0.34652	0.15125	0.14876	1.54421188	0.006329509	4.624E-06	0.0413799	0.0067036	0.0862477	0.024688	0.02330344	1.686262
4583	490363.09	3859377.25	0.03895	0.04757	0.2085	0.13452	0.0082	0.08061	0.04692	0.04757	0.71903231	0.00202403	5.001E-07	0.0125367	0.0068032	0.0200636	0.007659	0.0074519	0.760667
4584	490863.09	3859377.25	0.02971	0.02607	0.07031	0.06195	0.009	0.0418	0.02551	0.02607	0.54845828	0.001109238	1.686E-07	0.0057735	0.0074669	0.0104039	0.004164	0.0040839	0.573292
4585	491363.09	3859377.25	0.02608	0.01545	0.02964	0.03454	0.00848	0.02585	0.01521	0.01545	0.48144705	0.000657374	7.109E-08	0.003219	0.0070355	0.006434	0.002483	0.00242026	0.498855
4586	491863.09	3859377.25	0.02132	0.01455	0.02387	0.03252	0.00798	0.02551	0.01423	0.01455	0.39357558	0.00061908	5.725E-08	0.0030307	0.0066206	0.0063494	0.002323	0.00227928	0.410239
4587	492363.09	3859377.25	0.01876	0.0124	0.01796	0.02777	0.00782	0.02305	0.0121	0.0124	0.34631697	0.000527601	4.307E-08	0.002588	0.0064879	0.0057371	0.001975	0.00194248	0.36169
4588	492863.09	3859377.25	0.01668	0.01109	0.01463	0.02452	0.00854	0.02208	0.01079	0.01109	0.30791936	0.000471862	3.509E-08	0.0022852	0.0070853	0.0054956	0.001761	0.00173726	0.323281
4589	493363.09	3859377.25	0.01528	0.00932	0.01154	0.02013	0.00891	0.02073	0.00907	0.00932	0.28207481	0.000396552	2.768E-08	0.001876	0.0073922	0.0051596	0.00148	0.00145999	0.29692
4590	493863.09	3859377.25	0.01388	0.00844	0.00986	0.01779	0.009	0.02329	0.00822	0.00844	0.25623026	0.000359109	2.365E-08	0.001658	0.0074669	0.0057968	0.001342	0.00132214	0.271531
4591	494363.09	3859377.25	0.01276	0.00754	0.00845	0.0154	0.00873	0.03694	0.00738	0.00754	0.23555462	0.000320815	2.027E-08	0.0014352	0.0072429	0.0091942	0.001205	0.00118115	0.253771
4592	494863.09	3859377.25	0.01162	0.00645	0.00686	0.01267	0.00794	0.39134	0.00637	0.00645	0.21450977	0.000274438	1.645E-08	0.0011808	0.0065875	0.0974032	0.00104	0.0010104	0.319985
4593	495363.09	3859377.25	0.01071	0.00599	0.00617	0.01159	0.00777	0.05622	0.00594	0.00599	0.19771081	0.000254865	1.48E-08	0.0010801	0.0064464	0.013993	0.00097	0.00093834	0.219516
4594	495863.09	3859377.25	0.00986	0.0055	0.00549	0.01042	0.00738	0.0381	0.00547	0.0055	0.18201948	0.000234017	1.317E-08	0.0009711	0.0061229	0.009483	0.000893	0.00086158	0.198862
4595	496363.09	3859377.25	0.00923	0.0053	0.00515	0.00986	0.00738	0.02855	0.00527	0.0053	0.17038943	0.000225507	1.235E-08	0.0009189	0.0061229	0.007106	0.00086	0.00083025	0.184793
4596	496863.09	3859377.25	0.00849	0.00488	0.00457	0.00874	0.00683	0.02174	0.00486	0.00488	0.15672874	0.000207636	1.096E-08	0.0008145	0.0056665	0.005411	0.000793	0.00076446	0.168857
4597	497363.09	3859377.25	0.00811	0.00488	0.00447	0.00861	0.00705	0.01829	0.00486	0.00488	0.14971379	0.000207636	1.072E-08	0.0008024	0.0058491	0.0045523	0.000793	0.00076446	0.161154
4598	497863.09	3859377.25	0.00778	0.00507	0.00456	0.00885	0.00734	0.01645	0.00503	0.00507	0.14362186	0.000215721	1.094E-08	0.0008248	0.0060897	0.0040943	0.000821	0.00079422	0.154873
4599	498363.09	3859377.25	0.00741	0.00525	0.00461	0.00886	0.00731	0.01504	0.00518	0.00525	0.13679151	0.000223379	1.106E-08	0.0008257	0.0060648	0.0037434	0.000846	0.00082242	0.147672
4600	471363.09	3859877.25	0.00154	0.00111	0.00074	0.0011	0.00143	0.00122	0.00111	0.00111	0.02842901	4.72288E-05	1.775E-09	0.0001025	0.0011864	0.0003037	0.000181	0.00017388	0.030076
4601	471863.09	3859877.25	0.0016	0.00114	0.00076	0.00114	0.00154	0.00126	0.00114	0.00114	0.02953663	4.85052E-05	1.823E-09	0.0001062	0.0012777	0.0003136	0.000186	0.00017858	0.03129
4602	472363.09	3859877.25	0.00166	0.00116	0.00078	0.00118	0.00165	0.0013	0.00116	0.00116	0.03064425	4.93562E-05	1.871E-09	0.00011	0.0013689	0.0003236	0.000189	0.00018172	0.032504
4603	472863.09	3859877.25	0.00171	0.0012	0.00081	0.00123	0.00177	0.00137	0.00119	0.0012	0.03156727	5.10581E-05	1.943E-09	0.0001146	0.0014685	0.000341	0.000194	0.00018798	0.033549
4604	473363.09	3859877.25	0.00177	0.00123	0.00085	0.00128	0.00189	0.00144	0.00122	0.00123	0.0326749	5.23346E-05	2.039E-09	0.0001193	0.001568	0.0003584	0.000199	0.00019268	0.034779
4605	473863.09	3859877.25	0.00185	0.00126	0.00089	0.00134	0.002	0.0015	0.00125	0.00126	0.03415173	5.36111E-05	2.135E-09	0.0001249	0.0016593	0.0003733	0.000204	0.00019738	0.03637
4606	474363.09	3859877.25	0.00195	0.00121	0.00086	0.00136	0.00207	0.00148	0.00123	0.00121	0.03599777	5.14836E-05	2.063E-09	0.0001267	0.0017174	0.0003684	0.000201	0.00018955	0.038273
4607	474863.09	3859877.25	0.00198	0.00113	0.00082	0.00135	0.00198	0.00142	0.00117	0.00113	0.03655158	4.80798E-05	1.967E-09	0.0001258	0.0016427	0.0003534	0.000191	0.00017702	0.038736
4608	475363.09	3859877.25	0.00184	0.00098	0.00073	0.0012	0.00154	0.00127	0.00101	0.00098	0.03396712	4.16975E-05	1.751E-09	0.0001118	0.0012777	0.0003161	0.000165	0.00015352	0.035726
4609	475863.09	3859877.25	0.0014	0.00084	0.00062	0.00101	0.0011	0.00112	0.00085	0.00084	0.02584455	3.57407E-05	1.487E-09	9.413E-05	0.0009126	0.0002788	0.000139	0.00013159	0.027173
4610	476363.09	3859877.25	0.00115	0.00075	0.00056	0.00091	0.00101	0.00103	0.00075	0.00075	0.02122945	3.19113E-05	1.343E-09	8.481E-05	0.000838	0.0002564	0.000122	0.00011749	0.022445
4611	476863.09	3859877.25	0.00123	0.00079	0.0006	0.00097	0.0011	0.0011	0.00079	0.00079	0.02270628	3.36133E-05	1.439E-09	9.04E-05	0.0009126	0.0002738	0.000129	0.00012375	0.024022
4612	477363.09	3859877.25	0.00129	0.00082	0.00063	0.00102	0.00118	0.00115	0.00082	0.00082	0.02381391	3.48897E-05	1.511E-09	9.506E-05	0.000979	0.0002862	0.000134	0.00012845	0.025214
4613	477863.09	3859877.25	0.00177	0.00094	0.00072	0.00122	0.00143	0.00133	0.00096	0.00094	0.0326749	3.99956E-05	1.727E-09	0.0001137	0.0011864	0.000331	0.000157	0.00014725	0.034355

4614	478363.09	3859877.25	0.00241	0.00109	0.00083	0.00151	0.00187	0.00159	0.00114	0.00109	0.04448955	4.63778E-05	1.991E-09	0.0001407	0.0015515	0.0003957	0.000186	0.00017075	0.046639
4615	478863.09	3859877.25	0.00285	0.00129	0.00093	0.00178	0.00239	0.00189	0.00135	0.00129	0.05261212	5.48875E-05	2.23E-09	0.0001659	0.0019829	0.0004704	0.00022	0.00020208	0.055304
4616	479363.09	3859877.25	0.00313	0.00153	0.0011	0.00206	0.00273	0.00228	0.00155	0.00153	0.05778103	6.50991E-05	2.638E-09	0.000192	0.002265	0.0005675	0.000253	0.00023968	0.060884
4617	479863.09	3859877.25	0.00325	0.00172	0.00145	0.00231	0.00303	0.00264	0.00169	0.00172	0.05999628	7.31833E-05	3.478E-09	0.0002153	0.0025139	0.0006571	0.000276	0.00026944	0.063462
4618	480363.09	3859877.25	0.00334	0.00188	0.00179	0.00252	0.00343	0.00295	0.00181	0.00188	0.06165771	7.99911E-05	4.293E-09	0.0002349	0.0028457	0.0007342	0.000295	0.0002945	0.065553
4619	480863.09	3859877.25	0.00345	0.002	0.00184	0.00271	0.00373	0.00321	0.0019	0.002	0.06368836	8.50969E-05	4.413E-09	0.0002526	0.0030946	0.000799	0.00031	0.0003133	0.067916
4620	481363.09	3859877.25	0.00357	0.0021	0.00176	0.0029	0.00402	0.00345	0.00198	0.0021	0.0659036	8.93518E-05	4.221E-09	0.0002703	0.0033352	0.0008587	0.000323	0.00032897	0.070451
4621	481863.09	3859877.25	0.00374	0.0022	0.00197	0.00309	0.0043	0.0037	0.00207	0.0022	0.06904187	9.36066E-05	4.725E-09	0.000288	0.0035675	0.0009209	0.000338	0.00034463	0.073905
4622	482363.09	3859877.25	0.00395	0.00232	0.00233	0.00329	0.00459	0.00403	0.00217	0.00232	0.07291855	9.87124E-05	5.588E-09	0.0003066	0.0038081	0.0010031	0.000354	0.00036343	0.078126
4623	482863.09	3859877.25	0.00414	0.00243	0.00258	0.00354	0.00493	0.00438	0.00226	0.00243	0.07642603	0.000103393	6.188E-09	0.0003299	0.0040902	0.0010902	0.000369	0.00038066	0.082028
4624	483363.09	3859877.25	0.00433	0.00257	0.00245	0.0038	0.00534	0.00488	0.00238	0.00257	0.0799335	0.00010935	5.876E-09	0.0003541	0.0044304	0.0012146	0.000388	0.00040259	0.086028
4625	483863.09	3859877.25	0.0044	0.00279	0.00242	0.00403	0.00548	0.0057	0.00251	0.00279	0.08122573	0.00011871	5.804E-09	0.0003756	0.0045465	0.0014187	0.00041	0.00043706	0.087658
4626	484363.09	3859877.25	0.00477	0.00296	0.00263	0.0043	0.00568	0.00641	0.00265	0.00296	0.08805607	0.000125943	6.308E-09	0.0004007	0.0047124	0.0015954	0.000433	0.00046369	0.09486
4627	484863.09	3859877.25	0.00533	0.00315	0.0028	0.00465	0.00553	0.00735	0.00283	0.00315	0.09839389	0.000134028	6.715E-09	0.0004334	0.004588	0.0018294	0.000462	0.00049345	0.105347
4628	485363.09	3859877.25	0.00623	0.00342	0.00323	0.00506	0.00528	0.00869	0.00307	0.00342	0.11500825	0.000145516	7.747E-09	0.0004716	0.0043806	0.0021629	0.000501	0.00053575	0.122134
4629	485863.09	3859877.25	0.00758	0.00379	0.00357	0.0056	0.00542	0.01047	0.00338	0.00379	0.13992978	0.000161259	8.562E-09	0.0005219	0.0044967	0.0026059	0.000552	0.00059371	0.147674
4630	486363.09	3859877.25	0.00945	0.00423	0.00459	0.00635	0.00541	0.01322	0.00377	0.00423	0.17445071	0.00017998	1.101E-08	0.0005918	0.0044884	0.0032904	0.000615	0.00066263	0.182954
4631	486863.09	3859877.25	0.01257	0.00475	0.00427	0.00738	0.00433	0.01838	0.00424	0.00475	0.23204714	0.000202105	1.024E-08	0.0006878	0.0035924	0.0045747	0.000692	0.00074409	0.241052
4632	487363.09	3859877.25	0.02246	0.00531	0.00464	0.00876	0.00356	0.03538	0.00476	0.00531	0.41462043	0.000225932	1.113E-08	0.0008164	0.0029536	0.008806	0.000777	0.00083182	0.427367
4633	487863.09	3859877.25	0.09457	0.00604	0.00502	0.01092	0.00338	0.07894	0.0055	0.00604	1.74579937	0.000256993	1.204E-08	0.0010177	0.0028042	0.0196479	0.000898	0.00094617	1.769478
4634	488363.09	3859877.25	0.09876	0.00691	0.00703	0.01464	0.00277	0.22583	0.00641	0.00691	1.82314842	0.00029401	1.686E-08	0.0013644	0.0022981	0.0562083	0.001046	0.00108246	1.883277
4635	488863.09	3859877.25	0.05428	0.00857	0.00931	0.02669	0.0041	0.05216	0.00808	0.00857	1.00203013	0.00036464	2.233E-08	0.0024874	0.0034016	0.0129824	0.001319	0.0013425	1.021243
4636	489363.09	3859877.25	0.04284	0.01155	0.01573	0.11548	0.00747	0.03565	0.01116	0.01155	0.79084324	0.000491435	3.773E-08	0.0107623	0.0061975	0.0088732	0.001822	0.00180932	0.81718
4637	489863.09	3859877.25	0.03179	0.01818	0.0182	0.04587	0.00681	0.03254	0.01777	0.01818	0.58685589	0.000773531	4.365E-08	0.0042749	0.00565	0.0080991	0.002901	0.00284792	0.605706
4638	490363.09	3859877.25	0.02736	0.04087	0.01878	0.05305	0.00541	0.04015	0.04017	0.04087	0.50507635	0.001738955	4.504E-08	0.004944	0.0044884	0.0099932	0.006557	0.00640234	0.526396
4639	490863.09	3859877.25	0.06404	0.31015	0.02095	0.32513	0.00561	0.33932	0.34177	0.31015	1.18220357	0.013196404	5.025E-08	0.0303008	0.0046544	0.0844556	0.055787	0.04858538	1.322012
4640	491363.09	3859877.25	0.03654	0.06003	0.01912	0.26196	0.00585	0.12808	0.05988	0.06003	0.67454276	0.002554184	4.586E-08	0.0244136	0.0048535	0.0318787	0.009774	0.00940377	0.738613
4641	491863.09	3859877.25	0.02232	0.03041	0.01599	0.08937	0.0063	0.06243	0.03018	0.03041	0.41203597	0.001293899	3.835E-08	0.0083289	0.0052268	0.0155386	0.004926	0.00476376	0.442587
4642	492363.09	3859877.25	0.01758	0.02064	0.01316	0.04711	0.00612	0.04503	0.02043	0.02064	0.32453371	0.0008782	3.156E-08	0.0043905	0.0050775	0.0112078	0.003335	0.00323328	0.346189
4643	492863.09	3859877.25	0.01499	0.01515	0.01061	0.02929	0.00569	0.03638	0.01496	0.01515	0.27672129	0.000644609	2.545E-08	0.0027297	0.0047207	0.0090549	0.002442	0.00237327	0.29394
4644	493363.09	3859877.25	0.01312	0.01249	0.00903	0.02196	0.00561	0.03455	0.01229	0.01249	0.24220036	0.00053143	2.166E-08	0.0020466	0.0046544	0.0085994	0.002006	0.00195657	0.258082
4645	493863.09	3859877.25	0.01177	0.01074	0.0079	0.01786	0.00594	0.0375	0.01052	0.01074	0.21727883	0.00045697	1.895E-08	0.0016645	0.0049282	0.0093336	0.001717	0.00168243	0.233697
4646	494363.09	3859877.25	0.01082	0.00925	0.00692	0.01491	0.00628	0.09195	0.00905	0.00925	0.19974145	0.000393573	1.66E-08	0.0013896	0.0052102	0.022886	0.001477	0.00144902	0.229649
4647	494863.09	3859877.25	0.00994	0.00845	0.00636	0.01326	0.00648	0.06024	0.00826	0.00845	0.18349631	0.000359534	1.525E-08	0.0012358	0.0053762	0.0149935	0.001348	0.0013237	0.205486
4648	495363.09	3859877.25	0.00927	0.00764	0.00578	0.01179	0.00646	0.03612	0.00748	0.00764	0.17112784	0.00032507	1.386E-08	0.0010988	0.0053596	0.0089901	0.001221	0.00119682	0.186926
4649	495863.09	3859877.25	0.00871	0.00694	0.00524	0.01057	0.00636	0.02639	0.00681	0.00694	0.16079002	0.000295286	1.257E-08	0.0009851	0.0052766	0.0065684	0.001112	0.00108716	0.17394
4650	496363.09	3859877.25	0.00818	0.00613	0.00458	0.0092	0.00607	0.01994	0.00606	0.00613	0.15100602	0.000260822	1.098E-08	0.0008574	0.005036	0.004963	0.000989	0.00096027	0.162152
4651	496863.09	3859877.25	0.00726	0.00508	0.00363	0.00727	0.00491	0.01446	0.00506	0.00508	0.13402245	0.000216146	8.706E-09	0.0006775	0.0040736	0.003599	0.000826	0.00079579	0.142619
4652	497363.09	3859877.25	0.00721	0.00539	0.00392	0.00793	0.00581	0.01434	0.00536	0.00539	0.13309943	0.000229336	9.401E-09	0.000739	0.0048203	0.0035692	0.000875	0.00084435	0.142488
4653	497863.09	3859877.25	0.00689	0.00584	0.00423	0.00842	0.00619	0.0139	0.00576	0.00584	0.12719211	0.000248483	1.014E-08	0.0007847	0.0051356	0.0034597	0.00094	0.00091484	0.136846
4654	498363.09	3859877.25	0.00644	0.00607	0.00425	0.00831	0.00622	0.01286	0.00597	0.00607	0.11888493	0.000258269	1.019E-08	0.0007745	0.0051605	0.0032008	0.000974	0.00095087	0.128303
4655	471363.09	3860377.25	0.00149	0.00109	0.00074	0.00109	0.00162	0.00121	0.00108	0.00109	0.02750599	4.63778E-05	1.775E-09	0.0001016	0.001344	0.0003012	0.000176	0.00017075	0.029305
4656	471863.09	3860377.25	0.00155	0.00111	0.00076	0.00113	0.00169	0.00126	0.0011	0.00111	0.02861361	4.72288E-05	1.823E-09	0.0001053	0.0014021	0.0003136	0.00018	0.00017388	0.030488
4657	472363.09	3860377.25	0.0016	0.00114	0.0008	0.00117	0.00176	0.00132	0.00113	0.00114	0.02953663	4.85052E-05	1.919E-09	0.000109	0.0014602	0.0003285	0.000184	0.00017858	0.031489
4658	472863.09	3860377.25	0.00165	0.00117	0.00086	0.00122	0.00183	0.00139	0.00116	0.00117	0.03045965	4.97817E-05	2.063E-09	0.0001137	0.0015183	0.000346	0.000189	0.00018328	0.032493
4659	473363.09	3860377.25	0.00171	0.0012	0.00091	0.00127	0.00191	0.00146	0.00119	0.0012	0.03156727	5.10581E-05	2.182E-09	0.0001184	0.0015846	0.0003634	0.000194	0.00018798	0.033691
4660	473863.09	3860377.25	0.00178	0.00122	0.00095	0.00132	0.00198	0.00152	0.00121	0.00122	0.0328595	5.19091E-05	2.278E-09	0.000123	0.0016427	0.0003783	0.000198	0.00019111	0.035062
4661	474363.09	3860377.25	0.00188	0.00122	0.00094	0.00136	0.00204	0.00155	0.00122	0.00122	0.03470554	5.19091E-05	2.254E-09	0.0001267	0.0016925	0.0003858	0.000199	0.00019111	0.036971
4662	474863.09	3860377.25	0.00198	0.0012	0.00087	0.00138	0.00206	0.00154	0.00121	0.0012	0.03655158	5.10581E-05	2.087E-09	0.0001286	0.0017091	0.0003833	0.000198	0.00018798	0.038833
4663	475363.09	3860377.25	0.00203	0.00113	0.00078	0.00136	0.002	0.00148	0.00116	0.00113	0.0374746	4.80798E-05	1.871E-09	0.0001267	0.0016593	0.0003684	0.000189	0.00017702	0.039689
4664	475863.09	3860377.25	0.00205	0.00107	0.00074	0.00133	0.00188	0.00142	0.0011	0.00107	0.03784381	4.55268E-05	1.775E-09	0.000124	0.0015598	0.0003534	0.00018	0.00016762	0.039938
4665	476363.09	3860377.25	0.00198	0.00098	0.00072	0.00127	0.00158	0.00134	0.00102	0.00098	0.03655158	4.16975E-05	1.727E-09	0.0001184	0.0013109	0.0003335	0.000166	0.00015352	0.038369
4666	476863.09	3860377.25	0.00194	0.00096	0.00073	0.00125	0.00152	0.00133	0.00099	0.00096	0.03581316	4.08465E-05	1.751E-09	0.0001165	0.0012611	0.000331	0.000162	0.00015039	0.037574
4667	477363.09	3860377.25	0.00152	0.00086	0.00063	0.00109	0.00128	0.00121	0.00087	0.00086	0.0280598	3.65917E-05	1.511E-09	0.0001016	0.001062	0.0003012	0.000142	0.00013472	0.029568
4668	477863.09	3860377.25	0.00175	0.00092	0.00067	0.00121	0.00141	0.00131	0.00094	0.00092	0.03230569	3.91446E-05	1.607E-09	0.0001128	0.0011698	0.0003261	0.000153	0.00014412	0.033963
4669	478363.09	3860377.25	0.00238	0.00108	0.00077	0.00154	0.00179	0.00158	0.00113	0.00108	0.04393574	4.59523E-05	1.847E-09	0.0001435	0.0014851	0.0003933	0.000184	0.00016918	0.046019
4670	478863.09	3860377.25	0.00269	0.00126	0.00094	0.00181	0.0022	0.00186	0.0013	0.00126	0.04965846	5.36111E-05	2.254E-09	0.0001687	0.0018252	0.0004629	0.000212	0.00019738	0.052184

4671	479363.09	3860377.25	0.00292	0.00147	0.0012	0.00211	0.00268	0.00221	0.00148	0.00147	0.05390435	6.25462E-05	2.878E-09	0.0001966	0.0022235	0.0005501	0.000242	0.00023028	0.056948
4672	479863.09	3860377.25	0.00298	0.00165	0.0016	0.00235	0.0031	0.00255	0.00162	0.00165	0.05501197	7.0205E-05	3.837E-09	0.000219	0.0025719	0.0006347	0.000264	0.00025847	0.058514
4673	480363.09	3860377.25	0.00302	0.00179	0.00174	0.00252	0.00331	0.00281	0.00172	0.00179	0.05575039	7.61617E-05	4.173E-09	0.0002349	0.0027462	0.0006994	0.000281	0.00028041	0.059507
4674	480863.09	3860377.25	0.00308	0.00191	0.00178	0.00264	0.00347	0.00306	0.00181	0.00191	0.05685801	8.12676E-05	4.269E-09	0.000246	0.0028789	0.0007616	0.000295	0.0002992	0.060822
4675	481363.09	3860377.25	0.00319	0.00198	0.00191	0.00279	0.00362	0.00324	0.00188	0.00198	0.05888865	8.42459E-05	4.581E-09	0.00026	0.0030034	0.0008064	0.000307	0.00031017	0.063039
4676	481863.09	3860377.25	0.0033	0.0021	0.00219	0.00294	0.0038	0.0035	0.00198	0.0021	0.0609193	8.93518E-05	5.252E-09	0.000274	0.0031527	0.0008711	0.000323	0.00032897	0.065301
4677	482363.09	3860377.25	0.00346	0.0022	0.00226	0.00312	0.00408	0.00381	0.00206	0.0022	0.06387296	9.36066E-05	5.42E-09	0.0002908	0.003385	0.0009483	0.000336	0.00034463	0.068582
4678	482863.09	3860377.25	0.00361	0.00228	0.00222	0.00331	0.00441	0.00412	0.00214	0.00228	0.06664202	9.70105E-05	5.324E-09	0.0003085	0.0036588	0.0010255	0.000349	0.00035716	0.071724
4679	483363.09	3860377.25	0.00371	0.00242	0.00219	0.00351	0.00467	0.00452	0.00225	0.00242	0.06848806	0.000102967	5.252E-09	0.0003271	0.0038745	0.001125	0.000367	0.0003791	0.073906
4680	483863.09	3860377.25	0.00389	0.00253	0.00226	0.00373	0.00477	0.00492	0.00235	0.00253	0.07181093	0.000107648	5.42E-09	0.0003476	0.0039575	0.0012246	0.000384	0.00039633	0.077435
4681	484363.09	3860377.25	0.00401	0.00269	0.00264	0.00396	0.00433	0.00553	0.00247	0.00269	0.07402618	0.000114455	6.332E-09	0.0003691	0.0035924	0.0013764	0.000403	0.00042139	0.07946
4682	484863.09	3860377.25	0.00434	0.00282	0.00269	0.00433	0.00399	0.00618	0.0026	0.00282	0.08011811	0.000119987	6.452E-09	0.0004035	0.0033103	0.0015382	0.000424	0.00044176	0.085473
4683	485363.09	3860377.25	0.00483	0.00298	0.00261	0.00472	0.00406	0.00695	0.00275	0.00298	0.0891637	0.000126794	6.26E-09	0.0004399	0.0033684	0.0017298	0.000449	0.00046682	0.094811
4684	485863.09	3860377.25	0.00564	0.00322	0.00332	0.00519	0.00436	0.00804	0.00296	0.00322	0.10411662	0.000137006	7.962E-09	0.0004837	0.0036173	0.0020011	0.000483	0.00050442	0.110334
4685	486363.09	3860377.25	0.00676	0.00351	0.00333	0.00579	0.00388	0.0098	0.00322	0.00351	0.12479226	0.000149345	7.986E-09	0.0005396	0.0032191	0.0024392	0.000526	0.00054985	0.131115
4686	486863.09	3860377.25	0.00878	0.00383	0.00337	0.00658	0.00286	0.01307	0.00352	0.00383	0.16208225	0.000162961	8.082E-09	0.0006132	0.0023728	0.0032531	0.000575	0.00059997	0.168459
4687	487363.09	3860377.25	0.01534	0.00422	0.00375	0.0076	0.00277	0.02797	0.00388	0.00422	0.28318243	0.000179554	8.994E-09	0.0007083	0.0022981	0.0069616	0.000633	0.00066107	0.293302
4688	487863.09	3860377.25	0.08334	0.00474	0.00369	0.00921	0.00259	0.08927	0.0044	0.00474	1.53848916	0.00020168	8.85E-09	0.0008583	0.0021488	0.022219	0.000718	0.00074253	1.563893
4689	488363.09	3860377.25	0.10464	0.00533	0.0044	0.01244	0.00206	0.20048	0.00503	0.00533	1.93169553	0.000226783	1.055E-08	0.0011594	0.0017091	0.0498988	0.000821	0.00083495	1.984676
4690	488863.09	3860377.25	0.10905	0.00611	0.00551	0.02305	0.00238	0.05156	0.00587	0.00611	2.01310586	0.000259971	1.321E-08	0.0021482	0.0019746	0.0128331	0.000958	0.00095714	2.030323
4691	489363.09	3860377.25	0.05084	0.00718	0.00706	0.10933	0.00447	0.03077	0.00697	0.00718	0.93852638	0.000305498	1.693E-08	0.0101891	0.0037086	0.0076585	0.001138	0.00112476	0.960401
4692	489863.09	3860377.25	0.02609	0.00864	0.00599	0.03485	0.00595	0.02387	0.00845	0.00864	0.48163165	0.000367619	1.437E-08	0.0032479	0.0049364	0.0059412	0.001379	0.00135347	0.496151
4693	490363.09	3860377.25	0.01863	0.01108	0.00652	0.02635	0.00477	0.02137	0.01088	0.01108	0.34391712	0.000471437	1.564E-08	0.0024557	0.0039575	0.0053189	0.001776	0.0017357	0.356161
4694	490863.09	3860377.25	0.01575	0.01676	0.00627	0.0247	0.00391	0.02124	0.01654	0.01676	0.29075119	0.000713112	1.504E-08	0.0023019	0.003244	0.0052866	0.0027	0.00262547	0.302371
4695	491363.09	3860377.25	0.01789	0.05062	0.00608	0.02495	0.00399	0.02371	0.04943	0.05062	0.33025643	0.002153803	1.458E-08	0.0023252	0.0033103	0.0059013	0.008068	0.00792968	0.344086
4696	491863.09	3860377.25	0.02355	0.08681	0.00661	0.02375	0.00406	0.03242	0.08952	0.08681	0.43474226	0.003693632	1.585E-08	0.0022134	0.0033684	0.0080692	0.014612	0.01359889	0.4531
4697	492363.09	3860377.25	0.01356	0.03491	0.00714	0.02214	0.0045	0.08019	0.03533	0.03491	0.25032293	0.001485367	1.712E-08	0.0020634	0.0037334	0.019959	0.005767	0.00546869	0.277862
4698	492863.09	3860377.25	0.01093	0.02346	0.00694	0.01958	0.00469	0.34703	0.02349	0.02346	0.2017721	0.000998187	1.664E-08	0.0018248	0.0038911	0.0863746	0.003834	0.00367504	0.29502
4699	493363.09	3860377.25	0.00978	0.01696	0.00664	0.01677	0.00451	0.09231	0.01689	0.01696	0.18054264	0.000721622	1.592E-08	0.0015629	0.0037417	0.0229756	0.002757	0.0026568	0.209645
4700	493863.09	3860377.25	0.00877	0.01456	0.00636	0.01471	0.00408	0.08114	0.01444	0.01456	0.16189765	0.000619506	1.525E-08	0.0013709	0.003385	0.0201955	0.002357	0.00228084	0.187545
4701	494363.09	3860377.25	0.00823	0.01218	0.00588	0.013	0.00404	0.06646	0.01203	0.01218	0.15192903	0.00051824	1.41E-08	0.0012115	0.0033518	0.0165417	0.001964	0.00190801	0.173608
4702	494863.09	3860377.25	0.00762	0.01122	0.00558	0.0118	0.00424	0.03761	0.01104	0.01122	0.14066819	0.000477394	1.338E-08	0.0010997	0.0035177	0.009361	0.001802	0.00175763	0.155168
4703	495363.09	3860377.25	0.00729	0.00991	0.00514	0.01078	0.00458	0.02573	0.00974	0.00991	0.13457627	0.000421655	1.233E-08	0.0010047	0.0037998	0.0064041	0.00159	0.00155241	0.146244
4704	495863.09	3860377.25	0.00712	0.0084	0.00455	0.00955	0.00484	0.01901	0.00825	0.0084	0.131438	0.000357407	1.091E-08	0.00089	0.0040155	0.0047315	0.001347	0.00131587	0.141463
4705	496363.09	3860377.25	0.00688	0.00732	0.00398	0.00838	0.00484	0.01471	0.00721	0.00732	0.1270075	0.000311455	9.545E-09	0.000781	0.0040155	0.0036613	0.001177	0.00114669	0.135807
4706	496863.09	3860377.25	0.00658	0.00662	0.00361	0.00751	0.00469	0.01224	0.00654	0.00662	0.12146939	0.000281671	8.658E-09	0.0006999	0.0038911	0.0030465	0.001068	0.00103703	0.129419
4707	497363.09	3860377.25	0.00619	0.0059	0.00321	0.00663	0.00442	0.01025	0.00586	0.0059	0.11426983	0.000251036	7.699E-09	0.0006179	0.0036671	0.0025512	0.000957	0.00092424	0.121389
4708	497863.09	3860377.25	0.006	0.00626	0.00347	0.00717	0.00482	0.01055	0.00619	0.00626	0.11076236	0.000266353	8.322E-09	0.0006682	0.0039989	0.0026259	0.00101	0.00098064	0.118351
4709	498363.09	3860377.25	0.00562	0.00668	0.00362	0.00737	0.00497	0.01036	0.00657	0.00668	0.10374741	0.000284224	8.682E-09	0.0006869	0.0041234	0.0025786	0.001072	0.00104643	0.111446
4710	471363.09	3860877.25	0.00145	0.00107	0.00077	0.00107	0.00159	0.00125	0.00106	0.00107	0.02676757	4.55268E-05	1.847E-09	9.972E-05	0.0013192	0.0003111	0.000173	0.00016762	0.028548
4711	471863.09	3860877.25	0.00149	0.00109	0.00081	0.00112	0.00165	0.00131	0.00108	0.00109	0.02750599	4.63778E-05	1.943E-09	0.0001044	0.0013689	0.0003261	0.000176	0.00017075	0.029357
4712	472363.09	3860877.25	0.00154	0.00112	0.00084	0.00116	0.00171	0.00137	0.0011	0.00112	0.02842901	4.76543E-05	2.015E-09	0.0001081	0.0014187	0.000341	0.00018	0.00017545	0.030349
4713	472863.09	3860877.25	0.0016	0.00114	0.00088	0.00121	0.00178	0.00143	0.00113	0.00114	0.02953663	4.85052E-05	2.111E-09	0.0001128	0.0014768	0.0003559	0.000184	0.00017858	0.031536
4714	473363.09	3860877.25	0.00166	0.00117	0.0009	0.00126	0.00184	0.00148	0.00115	0.00117	0.03064425	4.97817E-05	2.159E-09	0.0001174	0.0015266	0.0003684	0.000188	0.00018328	0.032711
4715	473863.09	3860877.25	0.00173	0.00119	0.0009	0.00132	0.00188	0.00154	0.00117	0.00119	0.03193648	5.06327E-05	2.159E-09	0.000123	0.0015598	0.0003833	0.000191	0.00018641	0.034058
4716	474363.09	3860877.25	0.00181	0.00121	0.00089	0.00137	0.00189	0.00158	0.00119	0.00121	0.03341331	5.14836E-05	2.135E-09	0.0001277	0.001568	0.0003933	0.000194	0.00018955	0.035558
4717	474863.09	3860877.25	0.00189	0.00123	0.00087	0.00144	0.00188	0.00164	0.00121	0.00123	0.03489014	5.23346E-05	2.087E-09	0.0001342	0.0015598	0.0004082	0.000198	0.00019268	0.037049
4718	475363.09	3860877.25	0.00199	0.00122	0.00085	0.00149	0.00183	0.00165	0.00121	0.00122	0.03673618	5.19091E-05	2.039E-09	0.0001389	0.0015183	0.0004107	0.000198	0.00019111	0.038862
4719	475863.09	3860877.25	0.00208	0.00119	0.00086	0.00151	0.00176	0.00162	0.0012	0.00119	0.03839762	5.06327E-05	2.063E-09	0.0001407	0.0014602	0.0004032	0.000196	0.00018641	0.040462
4720	476363.09	3860877.25	0.00212	0.00113	0.00084	0.0015	0.00169	0.00155	0.00116	0.00113	0.03913603	4.80798E-05	2.015E-09	0.0001398	0.0014021	0.0003858	0.000189	0.00017702	0.041124
4721	476863.09	3860877.25	0.00217	0.00111	0.0008	0.00151	0.0017	0.00154	0.00114	0.00111	0.04005905	4.72288E-05	1.919E-09	0.0001407	0.0014104	0.0003833	0.000186	0.00017388	0.042053
4722	477363.09	3860877.25	0.00225	0.00112	0.00078	0.00156	0.00179	0.00159	0.00116	0.00112	0.04153588	4.76543E-05	1.871E-09	0.0001454	0.0014851	0.0003957	0.000189	0.00017545	0.043624
4723	477863.09	3860877.25	0.00225	0.00107	0.00072	0.0015	0.0018	0.00152	0.00111	0.00107	0.04153588	4.55268E-05	1.727E-09	0.0001398	0.0014934	0.0003783	0.000181	0.00016762	0.043606
4724	478363.09	3860877.25	0.00188	0.00094	0.00069	0.00127	0.00155	0.00137	0.00096	0.00094	0.03470554	3.99956E-05	1.655E-09	0.0001184	0.001286	0.000341	0.000157	0.00014725	0.0365
4725	478863.09	3860877.25	0.00251	0.00119	0.00092	0.0017	0.00228	0.00177	0.00123	0.00119	0.04633559	5.06327E-05	2.206E-09	0.0001584	0.0018916	0.0004405	0.000201	0.00018641	0.048891
4726	479363.09	3860877.25	0.0027	0.00141	0.00132	0.00201	0.00274	0.00214	0.00141	0.00141	0.04984306	5.99933E-05	3.166E-09	0.0001873	0.0022733	0.0005326	0.00023	0.00022088	0.052906
4727	479863.09	3860877.25	0.00272	0.00157	0.0016	0.00224	0.00287	0.00246	0.00154	0.00157	0.05021227	6.68011E-05	3.837E-09	0.0002088	0.0023811	0.0006123	0.000251	0.00024594	0.053487

4728	480363.09	3860877.25	0.00273	0.0017	0.00172	0.0024	0.00298	0.00272	0.00164	0.0017	0.05039687	7.23324E-05	4.125E-09	0.0002237	0.0024724	0.000677	0.000268	0.00026631	0.053844
4729	480863.09	3860877.25	0.00278	0.00178	0.0017	0.00251	0.00308	0.00292	0.0017	0.00178	0.05131989	7.57363E-05	4.077E-09	0.0002339	0.0025553	0.0007268	0.000277	0.00027884	0.05491
4730	481363.09	3860877.25	0.00285	0.00186	0.00191	0.00262	0.00325	0.00312	0.00178	0.00186	0.05261212	7.91401E-05	4.581E-09	0.0002442	0.0026964	0.0007766	0.000291	0.00029137	0.056408
4731	481863.09	3860877.25	0.00296	0.00195	0.00187	0.00272	0.00349	0.00334	0.00185	0.00195	0.05464276	8.29695E-05	4.485E-09	0.0002535	0.0028955	0.0008313	0.000302	0.00030547	0.058703
4732	482363.09	3860877.25	0.00306	0.00204	0.00194	0.00287	0.00372	0.00358	0.00192	0.00204	0.0564888	8.67989E-05	4.653E-09	0.0002675	0.0030863	0.000891	0.000313	0.00031957	0.060814
4733	482863.09	3860877.25	0.00317	0.00211	0.00198	0.00308	0.00391	0.00382	0.00199	0.00211	0.05851945	8.97772E-05	4.749E-09	0.000287	0.003244	0.0009508	0.000325	0.00033053	0.063085
4734	483363.09	3860877.25	0.00329	0.00221	0.00189	0.0033	0.00391	0.00412	0.00208	0.00221	0.06073469	9.40321E-05	4.533E-09	0.0003075	0.003244	0.0010255	0.00034	0.0003462	0.065399
4735	483863.09	3860877.25	0.00341	0.00232	0.00214	0.00355	0.00366	0.00445	0.00218	0.00232	0.06294994	9.87124E-05	5.132E-09	0.0003308	0.0030365	0.0011076	0.000356	0.00036343	0.067516
4736	484363.09	3860877.25	0.0035	0.00245	0.00232	0.00378	0.00325	0.00491	0.00229	0.00245	0.06461138	0.000104244	5.564E-09	0.0003523	0.0026964	0.0012221	0.000374	0.0003838	0.068976
4737	484863.09	3860877.25	0.00364	0.00255	0.00214	0.004	0.00313	0.00533	0.00239	0.00255	0.06719583	0.000108499	5.132E-09	0.0003728	0.0025968	0.0013266	0.00039	0.00039946	0.071591
4738	485363.09	3860877.25	0.00392	0.00267	0.00244	0.00435	0.00351	0.00585	0.00252	0.00267	0.07236474	0.000113604	5.852E-09	0.0004054	0.0029121	0.001456	0.000411	0.00041826	0.077245
4739	485863.09	3860877.25	0.00437	0.00285	0.00288	0.00479	0.00354	0.00661	0.00269	0.00285	0.08067192	0.000121263	6.907E-09	0.0004464	0.002937	0.0016452	0.000439	0.00044646	0.085814
4740	486363.09	3860877.25	0.00496	0.00305	0.00276	0.00526	0.00266	0.00763	0.00287	0.00305	0.09156355	0.000129773	6.619E-09	0.0004902	0.0022069	0.0018991	0.000468	0.00047779	0.09628
4741	486863.09	3860877.25	0.0058	0.00329	0.00278	0.00585	0.00218	0.00919	0.00309	0.00329	0.10707028	0.000139984	6.667E-09	0.0005452	0.0018086	0.0022874	0.000504	0.00051538	0.11184
4742	487363.09	3860877.25	0.00707	0.00354	0.00277	0.00661	0.00233	0.01239	0.00332	0.00354	0.13051498	0.000150622	6.643E-09	0.000616	0.0019331	0.0030838	0.000542	0.00055455	0.136286
4743	487863.09	3860877.25	0.00868	0.00385	0.00284	0.00798	0.00205	0.01946	0.00361	0.00385	0.16023621	0.000163812	6.811E-09	0.0007437	0.0017008	0.0048435	0.000589	0.00060311	0.167674
4744	488363.09	3860877.25	0.01117	0.00424	0.00327	0.01064	0.00163	0.02369	0.00401	0.00424	0.20620259	0.000180405	7.843E-09	0.0009916	0.0013523	0.0058964	0.000655	0.0006642	0.214614
4745	488863.09	3860877.25	0.01181	0.00462	0.00438	0.02093	0.00172	0.02052	0.00444	0.00462	0.21801724	0.000196574	1.05E-08	0.0019506	0.001427	0.0051074	0.000725	0.00072373	0.2267
4746	489363.09	3860877.25	0.01191	0.00516	0.00376	0.09859	0.0025	0.01678	0.00504	0.00516	0.21986328	0.00021955	9.018E-09	0.0091882	0.0020741	0.0041765	0.000823	0.00080832	0.235536
4747	489863.09	3860877.25	0.01078	0.00593	0.00346	0.03069	0.00434	0.0142	0.00583	0.00593	0.19900304	0.000252312	8.298E-09	0.0028602	0.0036007	0.0035343	0.000952	0.00092894	0.209273
4748	490363.09	3860877.25	0.00959	0.00715	0.00348	0.02083	0.00449	0.01314	0.00701	0.00715	0.17703517	0.000304221	8.346E-09	0.0019413	0.0037252	0.0032705	0.001144	0.00112006	0.1863
4749	490863.09	3860877.25	0.00874	0.00917	0.00361	0.01692	0.0035	0.01281	0.00904	0.00917	0.16134384	0.000390169	8.658E-09	0.0015769	0.0029038	0.0031884	0.001476	0.00143649	0.169442
4750	491363.09	3860877.25	0.00797	0.0132	0.00357	0.01481	0.00297	0.01285	0.01304	0.0132	0.14712933	0.00056164	8.562E-09	0.0013802	0.0024641	0.0031983	0.002129	0.0020678	0.154794
4751	491863.09	3860877.25	0.00757	0.02874	0.00349	0.01326	0.00314	0.01319	0.02836	0.02874	0.13974518	0.001222843	8.37E-09	0.0012358	0.0026051	0.0032829	0.004629	0.00450216	0.148219
4752	492363.09	3860877.25	0.00707	0.15394	0.00356	0.01201	0.00306	0.01372	0.15527	0.15394	0.13051498	0.00654991	8.538E-09	0.0011193	0.0025387	0.0034149	0.025345	0.02411489	0.145367
4753	492863.09	3860877.25	0.0067	0.04528	0.00372	0.0111	0.00324	0.01443	0.04547	0.04528	0.12368463	0.001926594	8.922E-09	0.0010345	0.0026881	0.0035916	0.007422	0.00709317	0.133254
4754	493363.09	3860877.25	0.00651	0.02856	0.00403	0.01067	0.00361	0.01509	0.02864	0.02856	0.12017716	0.001215184	9.665E-09	0.0009944	0.0029951	0.0037558	0.004675	0.00447396	0.129339
4755	493863.09	3860877.25	0.00621	0.02233	0.00405	0.01037	0.00364	0.01532	0.02232	0.02233	0.11463904	0.000950107	9.713E-09	0.0009664	0.0030199	0.0038131	0.003643	0.00349802	0.123534
4756	494363.09	3860877.25	0.00594	0.0188	0.004	0.00985	0.00337	0.01452	0.01873	0.0188	0.10965473	0.000799911	9.593E-09	0.000918	0.0027959	0.003614	0.003057	0.00294504	0.117895
4757	494863.09	3860877.25	0.00574	0.01611	0.00398	0.00933	0.00309	0.01387	0.01602	0.01611	0.10596266	0.000685456	9.545E-09	0.0008695	0.0025636	0.0034522	0.002615	0.00252365	0.113625
4758	495363.09	3860877.25	0.00557	0.01408	0.00395	0.00879	0.00304	0.01294	0.01398	0.01408	0.10282439	0.000599082	9.473E-09	0.0008192	0.0025222	0.0032207	0.002282	0.00220565	0.110062
4759	495863.09	3860877.25	0.00538	0.01276	0.00388	0.00828	0.00319	0.01197	0.01265	0.01276	0.09931691	0.000542918	9.306E-09	0.0007717	0.0026466	0.0029793	0.002065	0.00199887	0.106323
4760	496363.09	3860877.25	0.00533	0.01092	0.00377	0.00784	0.00349	0.01114	0.0108	0.01092	0.09839389	0.000464629	9.042E-09	0.0007307	0.0028955	0.0027727	0.001763	0.00171063	0.10531
4761	496863.09	3860877.25	0.00536	0.0089	0.00346	0.00713	0.00375	0.00986	0.0088	0.0089	0.09894771	0.000378681	8.298E-09	0.0006645	0.0031112	0.0024541	0.001436	0.0013942	0.105598
4762	497363.09	3860877.25	0.00519	0.00835	0.00336	0.00681	0.00386	0.00917	0.00825	0.00835	0.09580944	0.00035528	8.058E-09	0.0006347	0.0032025	0.0022824	0.001347	0.00130804	0.102323
4763	497863.09	3860877.25	0.00505	0.00765	0.00316	0.00643	0.00387	0.00847	0.00756	0.00765	0.09322498	0.000325496	7.579E-09	0.0005992	0.0032108	0.0021082	0.001234	0.00119838	0.099504
4764	498363.09	3860877.25	0.00481	0.00773	0.00319	0.0064	0.00394	0.00827	0.00764	0.00773	0.08879449	0.0003289	7.651E-09	0.0005965	0.0032688	0.0020584	0.001247	0.00121091	0.095083
4765	471363.09	3861377.25	0.00141	0.00105	0.00078	0.00109	0.00157	0.00127	0.00104	0.00105	0.02602915	4.46759E-05	1.871E-09	0.0001016	0.0013026	0.0003161	0.00017	0.00016448	0.027799
4766	471863.09	3861377.25	0.00146	0.00107	0.0008	0.00114	0.00161	0.00132	0.00106	0.00107	0.02695217	4.55268E-05	1.919E-09	0.0001062	0.0013357	0.0003285	0.000173	0.00016762	0.028774
4767	472363.09	3861377.25	0.00151	0.00109	0.00081	0.00119	0.00164	0.00137	0.00108	0.00109	0.02787519	4.63778E-05	1.943E-09	0.0001109	0.0013606	0.000341	0.000176	0.00017075	0.02974
4768	472863.09	3861377.25	0.00156	0.00112	0.00082	0.00124	0.00167	0.00142	0.0011	0.00112	0.02879821	4.76543E-05	1.967E-09	0.0001156	0.0013855	0.0003534	0.00018	0.00017545	0.030704
4769	473363.09	3861377.25	0.00162	0.00114	0.00082	0.00129	0.00166	0.00147	0.00112	0.00114	0.02990584	4.85052E-05	1.967E-09	0.0001202	0.0013772	0.0003659	0.000183	0.00017858	0.031822
4770	473863.09	3861377.25	0.00169	0.00116	0.00082	0.00135	0.00161	0.00152	0.00114	0.00116	0.03119806	4.93562E-05	1.967E-09	0.0001258	0.0013357	0.0003783	0.000186	0.00018172	0.033092
4771	474363.09	3861377.25	0.00174	0.00118	0.00084	0.00141	0.00164	0.00159	0.00116	0.00118	0.03212108	5.02072E-05	2.015E-09	0.0001314	0.0013606	0.0003957	0.000189	0.00018485	0.034064
4772	474863.09	3861377.25	0.00181	0.0012	0.00088	0.00146	0.00158	0.00163	0.00118	0.0012	0.03341331	5.10581E-05	2.111E-09	0.0001361	0.0013109	0.0004057	0.000193	0.00018798	0.035322
4773	475363.09	3861377.25	0.00187	0.00123	0.00096	0.00152	0.00162	0.0017	0.0012	0.00123	0.03452093	5.23346E-05	2.302E-09	0.0001417	0.001344	0.0004231	0.000196	0.00019268	0.036485
4774	475863.09	3861377.25	0.00195	0.00124	0.00098	0.00156	0.00168	0.00172	0.00122	0.00124	0.03599777	5.27601E-05	2.35E-09	0.0001454	0.0013938	0.0004281	0.000199	0.00019425	0.038023
4775	476363.09	3861377.25	0.00204	0.00123	0.00096	0.00158	0.00179	0.00172	0.00122	0.00123	0.0376592	5.23346E-05	2.302E-09	0.0001472	0.0014851	0.0004281	0.000199	0.00019268	0.039778
4776	476863.09	3861377.25	0.00212	0.00122	0.00093	0.0016	0.00196	0.00173	0.00122	0.00122	0.03913603	5.19091E-05	2.23E-09	0.0001491	0.0016261	0.0004306	0.000199	0.00019111	0.041402
4777	477363.09	3861377.25	0.00219	0.00122	0.00091	0.00162	0.00215	0.00174	0.00123	0.00122	0.04042826	5.19091E-05	2.182E-09	0.000151	0.0017838	0.0004331	0.000201	0.00019111	0.042858
4778	477863.09	3861377.25	0.0022	0.00113	0.00087	0.00154	0.0021	0.00161	0.00116	0.00113	0.04061286	4.80798E-05	2.087E-09	0.0001435	0.0017423	0.0004007	0.000189	0.00017702	0.04296
4779	478363.09	3861377.25	0.00196	0.00095	0.00073	0.00129	0.00161	0.00138	0.00098	0.00095	0.03618237	4.0421E-05	1.751E-09	0.0001202	0.0013357	0.0003435	0.00016	0.00014882	0.038033
4780	478863.09	3861377.25	0.00216	0.00102	0.0008	0.00145	0.00177	0.00152	0.00106	0.00102	0.03987445	4.33994E-05	1.919E-09	0.0001351	0.0014685	0.0003783	0.000173	0.00015978	0.041913
4781	479363.09	3861377.25	0.00248	0.00131	0.00118	0.00187	0.00227	0.00202	0.00133	0.00131	0.04578177	5.57385E-05	2.83E-09	0.0001743	0.0018833	0.0005028	0.000217	0.00020521	0.04841
4782	479863.09	3861377.25	0.00248	0.00148	0.0014	0.00206	0.00244	0.00236	0.00146	0.00148	0.04578177	6.29717E-05	3.358E-09	0.000192	0.0020244	0.0005874	0.000238	0.00023184	0.048655
4783	480363.09	3861377.25	0.00247	0.00161	0.00145	0.00219	0.00269	0.00264	0.00156	0.00161	0.04559717	6.8503E-05	3.478E-09	0.0002041	0.0022318	0.0006571	0.000255	0.00025221	0.048761
4784	480863.09	3861377.25	0.00251	0.00169	0.00151	0.0023	0.00286	0.00281	0.00162	0.00169	0.04633559	7.19069E-05	3.621E-09	0.0002144	0.0023728	0.0006994	0.000264	0.00026474	0.049694

4785	481363.09	3861377.25	0.00255	0.00176	0.00164	0.00243	0.00304	0.00296	0.00168	0.00176	0.047074	7.48853E-05	3.933E-09	0.0002265	0.0025222	0.0007367	0.000274	0.00027571	0.050633
4786	481863.09	3861377.25	0.00263	0.00184	0.0016	0.00258	0.0032	0.00315	0.00174	0.00184	0.04855083	7.82892E-05	3.837E-09	0.0002404	0.0026549	0.000784	0.000284	0.00028824	0.052304
4787	482363.09	3861377.25	0.00272	0.00191	0.00168	0.00276	0.00329	0.00337	0.0018	0.00191	0.05021227	8.12676E-05	4.029E-09	0.0002572	0.0027296	0.0008388	0.000294	0.0002992	0.054114
4788	482863.09	3861377.25	0.00279	0.00196	0.00179	0.00294	0.00324	0.0036	0.00186	0.00196	0.0515045	8.3395E-05	4.293E-09	0.000274	0.0026881	0.000896	0.000304	0.00030704	0.055443
4789	483363.09	3861377.25	0.00287	0.00204	0.00183	0.0031	0.00303	0.00379	0.00193	0.00204	0.05298133	8.67989E-05	4.389E-09	0.0002889	0.0025139	0.0009433	0.000315	0.00031957	0.05681
4790	483863.09	3861377.25	0.00293	0.00212	0.00203	0.00326	0.0027	0.00403	0.00201	0.00212	0.05408895	9.02027E-05	4.869E-09	0.0003038	0.0022401	0.0010031	0.000328	0.0003321	0.057722
4791	484363.09	3861377.25	0.00302	0.00221	0.00202	0.00347	0.00261	0.00431	0.0021	0.00221	0.05575039	9.40321E-05	4.845E-09	0.0003234	0.0021654	0.0010727	0.000343	0.0003462	0.059403
4792	484863.09	3861377.25	0.00303	0.0023	0.00213	0.0037	0.00286	0.00463	0.00219	0.0023	0.05593499	9.78615E-05	5.108E-09	0.0003448	0.0023728	0.0011524	0.000357	0.0003603	0.0599
4793	485363.09	3861377.25	0.00308	0.00238	0.00228	0.00398	0.00303	0.0049	0.00227	0.00238	0.05685801	0.000101265	5.468E-09	0.0003709	0.0025139	0.0012196	0.000371	0.00037283	0.061061
4794	485863.09	3861377.25	0.00323	0.00249	0.00217	0.0043	0.00261	0.00529	0.00239	0.00249	0.05962707	0.000105946	5.204E-09	0.0004007	0.0021654	0.0013167	0.00039	0.00039006	0.063616
4795	486363.09	3861377.25	0.00346	0.00265	0.00205	0.00465	0.00191	0.00571	0.00253	0.00265	0.06387296	0.000112753	4.917E-09	0.0004334	0.0015846	0.0014212	0.000413	0.00041513	0.067423
4796	486863.09	3861377.25	0.00374	0.00284	0.00227	0.00511	0.00179	0.00627	0.0027	0.00284	0.06904187	0.000120838	5.444E-09	0.0004762	0.0014851	0.0015606	0.000441	0.00044489	0.07268
4797	487363.09	3861377.25	0.00388	0.00304	0.00251	0.00581	0.00207	0.00679	0.00288	0.00304	0.07162633	0.000129347	6.02E-09	0.0005415	0.0017174	0.00169	0.00047	0.00047622	0.075698
4798	487863.09	3861377.25	0.00378	0.00326	0.00231	0.00706	0.00171	0.00721	0.00309	0.00326	0.06978029	0.000138708	5.54E-09	0.000658	0.0014187	0.0017945	0.000504	0.00051068	0.073784
4799	488363.09	3861377.25	0.00402	0.00352	0.00257	0.00958	0.00128	0.00762	0.00333	0.00352	0.07421078	0.000149771	6.164E-09	0.0008928	0.001062	0.0018966	0.000544	0.00055141	0.078204
4800	488863.09	3861377.25	0.00442	0.00381	0.00298	0.01982	0.00139	0.00777	0.00365	0.00381	0.08159494	0.00016211	7.147E-09	0.0018471	0.0011532	0.0019339	0.000596	0.00059684	0.08669
4801	489363.09	3861377.25	0.00481	0.00412	0.00248	0.10262	0.00147	0.00779	0.00401	0.00412	0.08879449	0.0001753	5.948E-09	0.0095638	0.0012196	0.0019389	0.000655	0.0006454	0.101701
4802	489863.09	3861377.25	0.00499	0.00455	0.00247	0.02885	0.00285	0.00787	0.0045	0.00455	0.09211736	0.000193595	5.924E-09	0.0026887	0.0023645	0.0019588	0.000735	0.00071276	0.099345
4803	490363.09	3861377.25	0.00487	0.0052	0.0022	0.01867	0.0038	0.00795	0.00514	0.0052	0.08990211	0.000221252	5.276E-09	0.00174	0.0031527	0.0019787	0.000839	0.00081459	0.097019
4804	490863.09	3861377.25	0.00479	0.00615	0.0027	0.01465	0.00348	0.00795	0.00604	0.00615	0.08842528	0.000261673	6.476E-09	0.0013653	0.0028872	0.0019787	0.000986	0.0009634	0.094941
4805	491363.09	3861377.25	0.00474	0.00764	0.0025	0.01223	0.00269	0.00804	0.00756	0.00764	0.08750226	0.00032507	5.996E-09	0.0011398	0.0022318	0.0020011	0.001234	0.00119682	0.093237
4806	491863.09	3861377.25	0.00474	0.01054	0.00246	0.01088	0.00236	0.00823	0.0105	0.01054	0.08750226	0.000448461	5.9E-09	0.001014	0.001958	0.0020484	0.001714	0.0016511	0.093034
4807	492363.09	3861377.25	0.00471	0.01854	0.00239	0.00993	0.00253	0.00827	0.01843	0.01854	0.08694845	0.000788848	5.732E-09	0.0009254	0.002099	0.0020584	0.003008	0.00290431	0.092924
4808	492863.09	3861377.25	0.00459	0.06442	0.0025	0.009	0.0025	0.00807	0.06393	0.06442	0.0847332	0.002740972	5.996E-09	0.0008388	0.0020741	0.0020086	0.010435	0.01009147	0.092739
4809	493363.09	3861377.25	0.00449	0.28892	0.00256	0.0085	0.00253	0.00804	0.27311	0.28892	0.08288716	0.0122931	6.14E-09	0.0007922	0.002099	0.0020011	0.044579	0.04525967	0.099392
4810	493863.09	3861377.25	0.00435	0.08613	0.00259	0.00784	0.00276	0.00781	0.08487	0.08613	0.08030271	0.003664699	6.212E-09	0.0007307	0.0022898	0.0019439	0.013853	0.01349237	0.089293
4811	494363.09	3861377.25	0.00426	0.04979	0.00268	0.00737	0.00293	0.00765	0.04958	0.04979	0.07864127	0.002118488	6.428E-09	0.0006869	0.0024309	0.0019041	0.008093	0.00779966	0.086075
4812	494863.09	3861377.25	0.00419	0.03496	0.00275	0.00717	0.00288	0.0076	0.03492	0.03496	0.07734905	0.001487494	6.595E-09	0.0006682	0.0023894	0.0018916	0.0057	0.00547653	0.084009
4813	495363.09	3861377.25	0.00411	0.02733	0.00274	0.00688	0.00264	0.0075	0.02732	0.02733	0.07587222	0.001162849	6.571E-09	0.0006412	0.0021903	0.0018667	0.004459	0.00428128	0.081911
4814	495863.09	3861377.25	0.00403	0.02279	0.0027	0.00653	0.00239	0.00728	0.02278	0.02279	0.07439538	0.000969679	6.476E-09	0.0006086	0.0019829	0.001812	0.003718	0.00357008	0.079917
4815	496363.09	3861377.25	0.00401	0.01889	0.00274	0.00631	0.00236	0.0072	0.01887	0.01889	0.07402618	0.00080374	6.571E-09	0.0005881	0.001958	0.0017921	0.00308	0.00295914	0.079289
4816	496863.09	3861377.25	0.00407	0.01479	0.00283	0.00617	0.00254	0.00718	0.01475	0.01479	0.0751338	0.000629292	6.787E-09	0.000575	0.0021073	0.0017871	0.002408	0.00231687	0.080323
4817	497363.09	3861377.25	0.00404	0.01297	0.00283	0.00594	0.00274	0.00698	0.01291	0.01297	0.07457999	0.000551853	6.787E-09	0.0005536	0.0022733	0.0017373	0.002107	0.00203177	0.079772
4818	497863.09	3861377.25	0.004	0.01153	0.00279	0.00573	0.00293	0.00675	0.01147	0.01153	0.07384157	0.000490584	6.691E-09	0.000534	0.0024309	0.0016801	0.001872	0.00180619	0.079043
4819	498363.09	3861377.25	0.00396	0.01032	0.00275	0.00554	0.00307	0.00651	0.01026	0.01032	0.07310316	0.0004391	6.595E-09	0.0005163	0.002547	0.0016203	0.001675	0.00161664	0.078284
4820	471363.09	3861877.25	0.00137	0.00102	0.00075	0.00112	0.00146	0.00128	0.00101	0.00102	0.02529074	4.33994E-05	1.799E-09	0.0001044	0.0012113	0.0003186	0.000165	0.00015978	0.026973
4821	471863.09	3861877.25	0.00142	0.00104	0.00076	0.00116	0.00145	0.00132	0.00102	0.00104	0.02621376	4.42504E-05	1.823E-09	0.0001081	0.001203	0.0003285	0.000166	0.00016292	0.027901
4822	472363.09	3861877.25	0.00146	0.00106	0.00077	0.0012	0.00143	0.00137	0.00104	0.00106	0.02695217	4.51014E-05	1.847E-09	0.0001118	0.0011864	0.000341	0.00017	0.00016605	0.02864
4823	472863.09	3861877.25	0.00151	0.00109	0.00078	0.00124	0.00142	0.00142	0.00106	0.00109	0.02787519	4.63778E-05	1.871E-09	0.0001156	0.0011781	0.0003534	0.000173	0.00017075	0.029571
4824	473363.09	3861877.25	0.00156	0.00111	0.00079	0.00128	0.00141	0.00147	0.00108	0.00111	0.02879821	4.72288E-05	1.895E-09	0.0001193	0.0011698	0.0003659	0.000176	0.00017388	0.030503
4825	473863.09	3861877.25	0.00161	0.00113	0.00081	0.00132	0.00143	0.00152	0.0011	0.00113	0.02972123	4.80798E-05	1.943E-09	0.000123	0.0011864	0.0003783	0.00018	0.00017702	0.03146
4826	474363.09	3861877.25	0.00166	0.00115	0.00086	0.00137	0.00149	0.00157	0.00112	0.00115	0.03064425	4.89307E-05	2.063E-09	0.0001277	0.0012362	0.0003908	0.000183	0.00018015	0.03245
4827	474863.09	3861877.25	0.00172	0.00117	0.00093	0.00141	0.00157	0.00161	0.00114	0.00117	0.03175188	4.97817E-05	2.23E-09	0.0001314	0.0013026	0.0004007	0.000186	0.00018328	0.033639
4828	475363.09	3861877.25	0.00177	0.00119	0.00098	0.00145	0.00169	0.00165	0.00116	0.00119	0.0326749	5.06327E-05	2.35E-09	0.0001351	0.0014021	0.0004107	0.000189	0.00018641	0.034676
4829	475863.09	3861877.25	0.00181	0.00122	0.00102	0.0015	0.00183	0.00171	0.00119	0.00122	0.03341331	5.19091E-05	2.446E-09	0.0001398	0.0015183	0.0004256	0.000194	0.00019111	0.035552
4830	476363.09	3861877.25	0.00186	0.00124	0.00103	0.00155	0.00195	0.00175	0.00121	0.00124	0.03433633	5.27601E-05	2.47E-09	0.0001445	0.0016178	0.0004356	0.000198	0.00019425	0.03659
4831	476863.09	3861877.25	0.00193	0.00125	0.00103	0.00159	0.00209	0.00178	0.00123	0.00125	0.03562856	5.31856E-05	2.47E-09	0.0001482	0.001734	0.000443	0.000201	0.00019581	0.038012
4832	477363.09	3861877.25	0.002	0.00125	0.00104	0.00161	0.00213	0.00179	0.00123	0.00125	0.03692079	5.31856E-05	2.494E-09	0.00015	0.0017672	0.0004455	0.000201	0.00019581	0.039342
4833	477863.09	3861877.25	0.00204	0.00111	0.00086	0.00148	0.00191	0.0016	0.00113	0.00111	0.0376592	4.72288E-05	2.063E-09	0.0001379	0.0015846	0.0003982	0.000184	0.00017388	0.039838
4834	478363.09	3861877.25	0.00169	0.00088	0.00063	0.00116	0.00139	0.00127	0.0009	0.00088	0.03119806	3.74426E-05	1.511E-09	0.0001081	0.0011532	0.0003161	0.000147	0.00013785	0.032822
4835	478863.09	3861877.25	0.00207	0.00103	0.00083	0.00142	0.00168	0.00154	0.00107	0.00103	0.03821301	4.38249E-05	1.991E-09	0.0001323	0.0013938	0.0003833	0.000175	0.00016135	0.04018
4836	479363.09	3861877.25	0.00206	0.001	0.00078	0.00142	0.00173	0.00152	0.00105	0.001	0.03802841	4.25485E-05	1.871E-09	0.0001323	0.0014353	0.0003783	0.000171	0.00015665	0.040032
4837	479863.09	3861877.25	0.00227	0.00141	0.00117	0.00192	0.00239	0.00221	0.00139	0.00141	0.04190509	5.99933E-05	2.806E-09	0.0001789	0.0019829	0.0005501	0.000227	0.00022088	0.044683
4838	480363.09	3861877.25	0.00223	0.00154	0.00125	0.00209	0.00258	0.0025	0.00149	0.00154	0.04116668	6.55246E-05	2.998E-09	0.0001948	0.0021405	0.0006222	0.000243	0.00024124	0.044192
4839	480863.09	3861877.25	0.00226	0.0016	0.00143	0.00221	0.00269	0.00264	0.00154	0.0016	0.04172049	6.80775E-05	3.43E-09	0.000206	0.0022318	0.0006571	0.000251	0.00025064	0.044884
4840	481363.09	3861877.25	0.00227	0.00166	0.00146	0.00233	0.00277	0.00279	0.00159	0.00166	0.04190509	7.06304E-05	3.502E-09	0.0002171	0.0022981	0.0006944	0.00026	0.00026004	0.045185
4841	481863.09	3861877.25	0.00232	0.00173	0.00146	0.00244	0.00282	0.00298	0.00165	0.00173	0.04282811	7.36088E-05	3.502E-09	0.0002274	0.0023396	0.0007417	0.000269	0.00027101	0.046209

4842	482363.09	3861877.25	0.00238	0.00179	0.00164	0.00257	0.00275	0.00313	0.0017	0.00179	0.04393574	7.61617E-05	3.933E-09	0.0002395	0.0022816	0.000779	0.000277	0.00028041	0.047309
4843	482863.09	3861877.25	0.00243	0.00183	0.00181	0.00269	0.00257	0.00323	0.00175	0.00183	0.04485876	7.78637E-05	4.341E-09	0.0002507	0.0021322	0.0008039	0.000286	0.00028667	0.048122
4844	483363.09	3861877.25	0.00246	0.0019	0.00176	0.00282	0.00228	0.00337	0.00181	0.0019	0.04541257	8.08421E-05	4.221E-09	0.0002628	0.0018916	0.0008388	0.000295	0.00029764	0.048484
4845	483863.09	3861877.25	0.00246	0.00196	0.00185	0.003	0.00214	0.00353	0.00187	0.00196	0.04541257	8.3395E-05	4.437E-09	0.0002796	0.0017755	0.0008786	0.000305	0.00030704	0.048428
4846	484363.09	3861877.25	0.00244	0.00204	0.00181	0.00319	0.00232	0.00371	0.00195	0.00204	0.04504336	8.67989E-05	4.341E-09	0.0002973	0.0019248	0.0009234	0.000318	0.00031957	0.048274
4847	484863.09	3861877.25	0.00249	0.00212	0.00196	0.00338	0.00267	0.00392	0.00203	0.00212	0.04596638	9.02027E-05	4.701E-09	0.000315	0.0022152	0.0009757	0.000331	0.0003321	0.049562
4848	485363.09	3861877.25	0.00248	0.00218	0.00186	0.00359	0.00251	0.00412	0.0021	0.00218	0.04578177	9.27556E-05	4.461E-09	0.0003346	0.0020824	0.0010255	0.000343	0.0003415	0.049318
4849	485863.09	3861877.25	0.00245	0.00225	0.00169	0.00379	0.0019	0.00426	0.00218	0.00225	0.04522796	9.5734E-05	4.053E-09	0.0003532	0.0015763	0.0010603	0.000356	0.00035247	0.048317
4850	486363.09	3861877.25	0.00252	0.00237	0.00172	0.0041	0.0015	0.00446	0.00229	0.00237	0.04652019	0.00010084	4.125E-09	0.0003821	0.0012445	0.0011101	0.000374	0.00037126	0.04936
4851	486863.09	3861877.25	0.00262	0.00252	0.00213	0.00453	0.00152	0.0046	0.00242	0.00252	0.04836623	0.000107222	5.108E-09	0.0004222	0.0012611	0.0011449	0.000395	0.00039476	0.051302
4852	487363.09	3861877.25	0.00258	0.00268	0.00207	0.00525	0.00187	0.00479	0.00256	0.00268	0.04762781	0.00011403	4.965E-09	0.0004893	0.0015515	0.0011922	0.000418	0.00041983	0.050973
4853	487863.09	3861877.25	0.0025	0.00284	0.00194	0.00638	0.00145	0.00466	0.00271	0.00284	0.04615098	0.000120838	4.653E-09	0.0005946	0.001203	0.0011599	0.000442	0.00044489	0.049227
4854	488363.09	3861877.25	0.00254	0.00303	0.00226	0.00887	0.00107	0.00491	0.00288	0.00303	0.0468894	0.000128922	5.42E-09	0.0008266	0.0008877	0.0012221	0.00047	0.00047465	0.04995
4855	488863.09	3861877.25	0.00291	0.00325	0.00205	0.01905	0.00116	0.00529	0.00311	0.00325	0.05371974	0.000138282	4.917E-09	0.0017754	0.0009624	0.0013167	0.000508	0.00050912	0.057911
4856	489363.09	3861877.25	0.00318	0.00348	0.00203	0.09894	0.00109	0.00535	0.00337	0.00348	0.05870405	0.000148069	4.869E-09	0.0092208	0.0009043	0.0013316	0.00055	0.00054515	0.070314
4857	489863.09	3861877.25	0.00333	0.00376	0.0019	0.02756	0.0017	0.00541	0.0037	0.00376	0.06147311	0.000159982	4.557E-09	0.0025685	0.0014104	0.0013465	0.000604	0.00058901	0.066973
4858	490363.09	3861877.25	0.00322	0.00413	0.00167	0.01734	0.0029	0.00537	0.00412	0.00413	0.05944247	0.000175725	4.005E-09	0.001616	0.002406	0.0013366	0.000673	0.00064697	0.065002
4859	490863.09	3861877.25	0.0031	0.00468	0.00193	0.01324	0.00315	0.00546	0.00464	0.00468	0.05722722	0.000199127	4.629E-09	0.0012339	0.0026134	0.001359	0.000757	0.00073313	0.062657
4860	491363.09	3861877.25	0.00309	0.00543	0.00202	0.01107	0.00277	0.00555	0.00534	0.00543	0.05704261	0.000231038	4.845E-09	0.0010317	0.0022981	0.0013814	0.000872	0.00085062	0.062006
4861	491863.09	3861877.25	0.00314	0.00646	0.00194	0.00961	0.00215	0.00557	0.0064	0.00646	0.05796563	0.000274863	4.653E-09	0.0008956	0.0017838	0.0013864	0.001045	0.00101197	0.062339
4862	492363.09	3861877.25	0.00322	0.00799	0.00188	0.00865	0.00192	0.00551	0.00799	0.00799	0.05944247	0.000339962	4.509E-09	0.0008061	0.0015929	0.0013714	0.001304	0.00125164	0.063605
4863	492863.09	3861877.25	0.00323	0.01034	0.00181	0.0079	0.0021	0.0055	0.01033	0.01034	0.05962707	0.000439951	4.341E-09	0.0007362	0.0017423	0.0013689	0.001686	0.00161977	0.063981
4864	493363.09	3861877.25	0.00323	0.01397	0.00185	0.00712	0.00209	0.0055	0.01399	0.01397	0.05962707	0.000594402	4.437E-09	0.0006636	0.001734	0.0013689	0.002284	0.00218842	0.064083
4865	493863.09	3861877.25	0.00324	0.02059	0.00196	0.0067	0.00205	0.00533	0.0208	0.02059	0.05981167	0.000876073	4.701E-09	0.0006244	0.0017008	0.0013266	0.003395	0.00322545	0.064509
4866	494363.09	3861877.25	0.0032	0.03697	0.00197	0.00633	0.00219	0.00526	0.03771	0.03697	0.05907326	0.001573016	4.725E-09	0.0005899	0.0018169	0.0013092	0.006155	0.0057914	0.064726
4867	494863.09	3861877.25	0.00315	0.15099	0.00197	0.00586	0.00239	0.00512	0.1581	0.15099	0.05815024	0.006424392	4.725E-09	0.0005461	0.0019829	0.0012744	0.025806	0.02365277	0.070532
4868	495363.09	3861877.25	0.00312	0.17703	0.00202	0.00549	0.00247	0.00502	0.17586	0.17703	0.05759643	0.007532353	4.845E-09	0.0005116	0.0020492	0.0012495	0.028705	0.02773197	0.069913
4869	495863.09	3861877.25	0.0031	0.07279	0.00206	0.0053	0.00237	0.00501	0.07301	0.07279	0.05722722	0.003097102	4.941E-09	0.0004939	0.0019663	0.001247	0.011917	0.01140264	0.064546
4870	496363.09	3861877.25	0.00308	0.04573	0.00208	0.00513	0.00216	0.00502	0.04595	0.04573	0.05685801	0.001945741	4.989E-09	0.0004781	0.0017921	0.0012495	0.0075	0.00716366	0.06266
4871	496863.09	3861877.25	0.00331	0.02371	0.00224	0.00513	0.00211	0.00523	0.0238	0.02371	0.0611039	0.001008824	5.372E-09	0.0004781	0.0017506	0.0013017	0.003885	0.0037142	0.065814
4872	497363.09	3861877.25	0.00313	0.0249	0.00214	0.00483	0.00196	0.00501	0.02498	0.0249	0.05778103	0.001059457	5.132E-09	0.0004501	0.0016261	0.001247	0.004077	0.00390062	0.062341
4873	497863.09	3861877.25	0.00308	0.02222	0.0021	0.00461	0.002	0.0049	0.02226	0.02222	0.05685801	0.000945427	5.037E-09	0.0004296	0.0016593	0.0012196	0.003633	0.00348079	0.061265
4874	498363.09	3861877.25	0.00307	0.01933	0.0021	0.00446	0.00215	0.00482	0.01935	0.01933	0.05667341	0.000822462	5.037E-09	0.0004157	0.0017838	0.0011997	0.003158	0.00302807	0.061025
4875	471363.09	3862377.25	0.00133	0.001	0.00072	0.0011	0.00123	0.00127	0.00098	0.001	0.02455232	4.25485E-05	1.727E-09	0.0001025	0.0010205	0.0003161	0.00016	0.00015665	0.026037
4876	471863.09	3862377.25	0.00137	0.00101	0.00072	0.00113	0.00123	0.0013	0.001	0.00101	0.02529074	4.29739E-05	1.727E-09	0.0001053	0.0010205	0.0003236	0.000163	0.00015822	0.026788
4877	472363.09	3862377.25	0.0014	0.00104	0.00073	0.00117	0.00124	0.00134	0.00101	0.00104	0.02584455	4.42504E-05	1.751E-09	0.000109	0.0010288	0.0003335	0.000165	0.00016292	0.027362
4878	472863.09	3862377.25	0.00144	0.00106	0.00075	0.0012	0.00128	0.00138	0.00103	0.00106	0.02658297	4.51014E-05	1.799E-09	0.0001118	0.001062	0.0003435	0.000168	0.00016605	0.028147
4879	473363.09	3862377.25	0.00149	0.00108	0.00078	0.00125	0.00134	0.00142	0.00105	0.00108	0.02750599	4.59523E-05	1.871E-09	0.0001165	0.0011117	0.0003534	0.000171	0.00016918	0.029136
4880	473863.09	3862377.25	0.00153	0.00109	0.00083	0.00129	0.00144	0.00146	0.00107	0.00109	0.0282444	4.63778E-05	1.991E-09	0.0001202	0.0011947	0.0003634	0.000175	0.00017075	0.029973
4881	474363.09	3862377.25	0.00157	0.00111	0.00089	0.00133	0.00155	0.00149	0.00108	0.00111	0.02898282	4.72288E-05	2.135E-09	0.000124	0.001286	0.0003709	0.000176	0.00017388	0.030813
4882	474863.09	3862377.25	0.00162	0.00113	0.00092	0.00137	0.00167	0.00153	0.0011	0.00113	0.02990584	4.80798E-05	2.206E-09	0.0001277	0.0013855	0.0003808	0.00018	0.00017702	0.03185
4883	475363.09	3862377.25	0.00165	0.00116	0.00095	0.00141	0.00176	0.00159	0.00113	0.00116	0.03045965	4.93562E-05	2.278E-09	0.0001314	0.0014602	0.0003957	0.000184	0.00018172	0.032499
4884	475863.09	3862377.25	0.00168	0.00119	0.00098	0.00144	0.00183	0.00165	0.00115	0.00119	0.03101346	5.06327E-05	2.35E-09	0.0001342	0.0015183	0.0004107	0.000188	0.00018641	0.033129
4885	476363.09	3862377.25	0.00172	0.00121	0.00101	0.00147	0.00186	0.00172	0.00118	0.00121	0.03175188	5.14836E-05	2.422E-09	0.000137	0.0015432	0.0004281	0.000193	0.00018955	0.033915
4886	476863.09	3862377.25	0.00176	0.00123	0.00104	0.0015	0.00187	0.00178	0.0012	0.00123	0.03249029	5.23346E-05	2.494E-09	0.0001398	0.0015515	0.000443	0.000196	0.00019268	0.03468
4887	477363.09	3862377.25	0.00183	0.00124	0.00103	0.00151	0.00181	0.0018	0.00121	0.00124	0.03378252	5.27601E-05	2.47E-09	0.0001407	0.0015017	0.000448	0.000198	0.00019425	0.035929
4888	477863.09	3862377.25	0.00193	0.00114	0.00085	0.00146	0.00165	0.00165	0.00114	0.00114	0.03562856	4.85052E-05	2.039E-09	0.0001361	0.0013689	0.0004107	0.000186	0.00017858	0.0376
4889	478363.09	3862377.25	0.00192	0.00103	0.00079	0.00139	0.00161	0.00152	0.00106	0.00103	0.03544395	4.38249E-05	1.895E-09	0.0001295	0.0013357	0.0003783	0.000173	0.00016135	0.037343
4890	478863.09	3862377.25	0.00197	0.00105	0.00083	0.00148	0.00181	0.0016	0.00108	0.00105	0.03636697	4.46759E-05	1.991E-09	0.0001379	0.0015017	0.0003982	0.000176	0.00016448	0.038461
4891	479363.09	3862377.25	0.00204	0.00114	0.0009	0.00164	0.00214	0.00175	0.00116	0.00114	0.0376592	4.85052E-05	2.159E-09	0.0001528	0.0017755	0.0004356	0.000189	0.00017858	0.040082
4892	479863.09	3862377.25	0.00204	0.00137	0.00108	0.00189	0.00238	0.00217	0.00134	0.00137	0.0376592	5.82914E-05	2.59E-09	0.0001761	0.0019746	0.0005401	0.000219	0.00021461	0.040412
4893	480363.09	3862377.25	0.00199	0.00147	0.00125	0.00201	0.0024	0.00238	0.00142	0.00147	0.03673618	6.25462E-05	2.998E-09	0.0001873	0.0019912	0.0005924	0.000232	0.00023028	0.039571
4894	480863.09	3862377.25	0.00199	0.00152	0.00138	0.00209	0.00242	0.00249	0.00146	0.00152	0.03673618	6.46737E-05	3.31E-09	0.0001948	0.0020078	0.0006198	0.000238	0.00023811	0.039623
4895	481363.09	3862377.25	0.00199	0.00157	0.0014	0.00215	0.00244	0.0026	0.00151	0.00157	0.03673618	6.68011E-05	3.358E-09	0.0002004	0.0020244	0.0006471	0.000246	0.00024594	0.039675
4896	481863.09	3862377.25	0.00201	0.00164	0.00149	0.00222	0.00237	0.00271	0.00156	0.00164	0.03710539	6.97795E-05	3.574E-09	0.0002069	0.0019663	0.0006745	0.000255	0.00025691	0.040021
4897	482363.09	3862377.25	0.00205	0.00169	0.0017	0.00232	0.00219	0.00281	0.00161	0.00169	0.03784381	7.19069E-05	4.077E-09	0.0002162	0.0018169	0.0006994	0.000263	0.00026474	0.040646
4898	482863.09	3862377.25	0.00208	0.00173	0.00166	0.00245	0.00195	0.0029	0.00165	0.00173	0.03839762	7.36088E-05	3.981E-09	0.0002283	0.0016178	0.0007218	0.000269	0.00027101	0.041038

4899	483363.09	3862377.25	0.0021	0.00178	0.00152	0.00259	0.00181	0.003	0.0017	0.00178	0.03876683	7.57363E-05	3.645E-09	0.0002414	0.0015017	0.0007467	0.000277	0.00027884	0.041331
4900	483863.09	3862377.25	0.00207	0.00183	0.00157	0.00274	0.0019	0.00313	0.00176	0.00183	0.03821301	7.78637E-05	3.765E-09	0.0002554	0.0015763	0.000779	0.000287	0.00028667	0.040902
4901	484363.09	3862377.25	0.00207	0.00189	0.00164	0.00288	0.00223	0.00325	0.00183	0.00189	0.03821301	8.04166E-05	3.933E-09	0.0002684	0.0018501	0.0008089	0.000299	0.00029607	0.041224
4902	484863.09	3862377.25	0.00204	0.00197	0.00167	0.00303	0.00231	0.00337	0.0019	0.00197	0.0376592	8.38205E-05	4.005E-09	0.0002824	0.0019165	0.0008388	0.00031	0.0003086	0.040782
4903	485363.09	3862377.25	0.00199	0.00203	0.00152	0.00319	0.0019	0.00343	0.00196	0.00203	0.03673618	8.63734E-05	3.645E-09	0.0002973	0.0015763	0.0008537	0.00032	0.000318	0.039552
4904	485863.09	3862377.25	0.00193	0.00209	0.00154	0.00339	0.00145	0.0035	0.00203	0.00209	0.03562856	8.89263E-05	3.693E-09	0.0003159	0.001203	0.0008711	0.000331	0.0003274	0.038112
4905	486363.09	3862377.25	0.00192	0.00217	0.00159	0.00361	0.00124	0.00356	0.00212	0.00217	0.03544395	9.23302E-05	3.813E-09	0.0003364	0.0010288	0.0008861	0.000346	0.00033993	0.037794
4906	486863.09	3862377.25	0.00191	0.00229	0.00176	0.00401	0.00135	0.00362	0.00222	0.00229	0.03525935	9.7436E-05	4.221E-09	0.0003737	0.00112	0.000901	0.000362	0.00035873	0.037755
4907	487363.09	3862377.25	0.00188	0.00243	0.0017	0.0047	0.0017	0.00372	0.00234	0.00243	0.03470554	0.000103393	4.077E-09	0.000438	0.0014104	0.0009259	0.000382	0.00038066	0.037585
4908	487863.09	3862377.25	0.00188	0.00257	0.00187	0.00579	0.00126	0.0036	0.00247	0.00257	0.03470554	0.00010935	4.485E-09	0.0005396	0.0010454	0.000896	0.000403	0.00040259	0.037296
4909	488363.09	3862377.25	0.00188	0.00271	0.00178	0.00818	0.00091	0.00375	0.00261	0.00271	0.03470554	0.000115306	4.269E-09	0.0007623	0.000755	0.0009334	0.000426	0.00042452	0.037273
4910	488863.09	3862377.25	0.00211	0.00289	0.00156	0.0182	0.00097	0.00403	0.00277	0.00289	0.03895143	0.000122965	3.741E-09	0.0016962	0.0008048	0.0010031	0.000452	0.00045272	0.042578
4911	489363.09	3862377.25	0.00241	0.00308	0.00174	0.0981	0.00097	0.00422	0.00297	0.00308	0.04448955	0.000131049	4.173E-09	0.0091425	0.0008048	0.0010503	0.000485	0.00048249	0.055621
4912	489863.09	3862377.25	0.00256	0.00328	0.00163	0.02682	0.00106	0.00427	0.0032	0.00328	0.04725861	0.000139559	3.909E-09	0.0024995	0.0008794	0.0010628	0.000522	0.00051382	0.051848
4913	490363.09	3862377.25	0.00256	0.0035	0.00138	0.01659	0.00204	0.00426	0.00348	0.0035	0.04725861	0.00014892	3.31E-09	0.0015461	0.0016925	0.0010603	0.000568	0.00054828	0.051726
4914	490863.09	3862377.25	0.0024	0.0038	0.00144	0.01246	0.00274	0.00424	0.00381	0.0038	0.04430494	0.000161684	3.454E-09	0.0011612	0.0022733	0.0010553	0.000622	0.00059527	0.048983
4915	491363.09	3862377.25	0.00232	0.0042	0.0017	0.01022	0.00268	0.00421	0.00417	0.0042	0.04282811	0.000178704	4.077E-09	0.0009525	0.0022235	0.0010479	0.000681	0.00065794	0.047253
4916	491863.09	3862377.25	0.00231	0.00467	0.00164	0.00865	0.00227	0.00411	0.00459	0.00467	0.04264351	0.000198701	3.933E-09	0.0008061	0.0018833	0.001023	0.000749	0.00073156	0.046572
4917	492363.09	3862377.25	0.00237	0.00523	0.0016	0.00758	0.00177	0.00402	0.00518	0.00523	0.04375113	0.000222528	3.837E-09	0.0007064	0.0014685	0.0010006	0.000846	0.00081929	0.047175
4918	492863.09	3862377.25	0.00242	0.00599	0.00156	0.00691	0.00163	0.00412	0.006	0.00599	0.04467415	0.000254865	3.741E-09	0.000644	0.0013523	0.0010255	0.000979	0.00093834	0.047992
4919	493363.09	3862377.25	0.00242	0.00697	0.00149	0.00629	0.0018	0.0041	0.00697	0.00697	0.04467415	0.000296563	3.574E-09	0.0005862	0.0014934	0.0010205	0.001138	0.00109186	0.048117
4920	493863.09	3862377.25	0.00244	0.00817	0.00147	0.00566	0.00182	0.00403	0.00814	0.00817	0.04504336	0.000347621	3.526E-09	0.0005275	0.00151	0.0010031	0.001329	0.00127984	0.04848
4921	494363.09	3862377.25	0.00248	0.00991	0.00157	0.00528	0.00174	0.00398	0.00989	0.00991	0.04578177	0.000421655	3.765E-09	0.0004921	0.0014436	0.0009906	0.001614	0.00155241	0.049192
4922	494863.09	3862377.25	0.0025	0.0124	0.00163	0.00506	0.0018	0.0039	0.01244	0.0124	0.04615098	0.000527601	3.909E-09	0.0004716	0.0014934	0.0009707	0.002031	0.00194248	0.049702
4923	495363.09	3862377.25	0.00246	0.01611	0.0016	0.00474	0.00196	0.00381	0.01622	0.01611	0.04541257	0.000685456	3.837E-09	0.0004417	0.0016261	0.0009483	0.002648	0.00252365	0.049238
4924	495863.09	3862377.25	0.00242	0.02405	0.00158	0.00438	0.00208	0.00376	0.02427	0.02405	0.04467415	0.00102329	3.789E-09	0.0004082	0.0017257	0.0009359	0.003962	0.00376746	0.048961
4925	496363.09	3862377.25	0.00241	0.04768	0.0016	0.00412	0.0021	0.00369	0.04801	0.04768	0.04448955	0.00202871	3.837E-09	0.000384	0.0017423	0.0009184	0.007837	0.00746913	0.04993
4926	496863.09	3862377.25	0.00242	0.41761	0.00165	0.00402	0.002	0.00372	0.40706	0.41761	0.04467415	0.017768661	3.957E-09	0.0003746	0.0016593	0.0009259	0.066444	0.06541912	0.066427
4927	497363.09	3862377.25	0.00241	0.24763	0.00166	0.00389	0.0018	0.0037	0.24974	0.24763	0.04448955	0.010536275	3.981E-09	0.0003625	0.0014934	0.0009209	0.040765	0.03879154	0.059776
4928	497863.09	3862377.25	0.00242	0.65107	0.00166	0.00376	0.00164	0.00368	0.69964	0.65107	0.04467415	0.027702024	3.981E-09	0.0003504	0.0013606	0.0009159	0.114201	0.10199091	0.087214
4929	498363.09	3862377.25	0.00241	0.08557	0.00164	0.00362	0.00158	0.00364	0.08487	0.08557	0.04448955	0.003640872	3.933E-09	0.0003374	0.0013109	0.000906	0.013853	0.01340464	0.051133
4930	471363.09	3862877.25	0.00128	0.00097	0.00067	0.00108	0.00111	0.00122	0.00095	0.00097	0.0236293	4.1272E-05	1.607E-09	0.0001007	0.0009209	0.0003037	0.000155	0.00015195	0.024999
4931	471863.09	3862877.25	0.00131	0.00099	0.00068	0.00112	0.00117	0.00125	0.00097	0.00099	0.02418311	4.2123E-05	1.631E-09	0.0001044	0.0009707	0.0003111	0.000158	0.00015508	0.025615
4932	472363.09	3862877.25	0.00134	0.00101	0.0007	0.00115	0.00124	0.00129	0.00099	0.00101	0.02473693	4.29739E-05	1.679E-09	0.0001072	0.0010288	0.0003211	0.000162	0.00015822	0.02624
4933	472863.09	3862877.25	0.00138	0.00103	0.00074	0.00119	0.00133	0.00133	0.001	0.00103	0.02547534	4.38249E-05	1.775E-09	0.0001109	0.0011034	0.000331	0.000163	0.00016135	0.027066
4934	473363.09	3862877.25	0.00141	0.00105	0.00079	0.00122	0.00143	0.00137	0.00102	0.00105	0.02602915	4.46759E-05	1.895E-09	0.0001137	0.0011864	0.000341	0.000166	0.00016448	0.027717
4935	473863.09	3862877.25	0.00145	0.00106	0.00084	0.00125	0.00152	0.00141	0.00104	0.00106	0.02676757	4.51014E-05	2.015E-09	0.0001165	0.0012611	0.0003509	0.00017	0.00016605	0.028545
4936	474363.09	3862877.25	0.00148	0.00108	0.00087	0.00128	0.0016	0.00146	0.00105	0.00108	0.02732138	4.59523E-05	2.087E-09	0.0001193	0.0013274	0.0003634	0.000171	0.00016918	0.02918
4937	474863.09	3862877.25	0.00151	0.0011	0.00089	0.0013	0.00165	0.00151	0.00107	0.0011	0.02787519	4.68033E-05	2.135E-09	0.0001212	0.0013689	0.0003758	0.000175	0.00017232	0.02979
4938	475363.09	3862877.25	0.00153	0.00113	0.00091	0.00132	0.00165	0.00157	0.0011	0.00113	0.0282444	4.80798E-05	2.182E-09	0.000123	0.0013689	0.0003908	0.00018	0.00017702	0.030178
4939	475863.09	3862877.25	0.00156	0.00115	0.00094	0.00134	0.00164	0.00163	0.00112	0.00115	0.02879821	4.89307E-05	2.254E-09	0.0001249	0.0013606	0.0004057	0.000183	0.00018015	0.030741
4940	476363.09	3862877.25	0.00158	0.00118	0.00097	0.00138	0.00163	0.00168	0.00114	0.00118	0.02916742	5.02072E-05	2.326E-09	0.0001286	0.0013523	0.0004181	0.000186	0.00018485	0.031118
4941	476863.09	3862877.25	0.00162	0.00119	0.00098	0.00143	0.00165	0.00173	0.00116	0.00119	0.02990584	5.06327E-05	2.35E-09	0.0001333	0.0013689	0.0004306	0.000189	0.00018641	0.031892
4942	477363.09	3862877.25	0.00167	0.00121	0.00096	0.00148	0.00171	0.00177	0.00118	0.00121	0.03082886	5.14836E-05	2.302E-09	0.0001379	0.0014187	0.0004405	0.000193	0.00018955	0.032881
4943	477863.09	3862877.25	0.00175	0.00118	0.00095	0.00152	0.00172	0.00176	0.00116	0.00118	0.03230569	5.02072E-05	2.278E-09	0.0001417	0.001427	0.0004381	0.000189	0.00018485	0.034367
4944	478363.09	3862877.25	0.00179	0.00108	0.00086	0.00148	0.00185	0.00162	0.00109	0.00108	0.0330441	4.59523E-05	2.063E-09	0.0001379	0.0015349	0.0004032	0.000178	0.00016918	0.035175
4945	478863.09	3862877.25	0.00182	0.00109	0.00085	0.00154	0.00203	0.00168	0.0011	0.00109	0.03359792	4.63778E-05	2.039E-09	0.0001435	0.0016842	0.0004181	0.00018	0.00017075	0.035899
4946	479363.09	3862877.25	0.00186	0.00112	0.00091	0.00162	0.0021	0.00175	0.00113	0.00112	0.03433633	4.76543E-05	2.182E-09	0.000151	0.0017423	0.0004356	0.000184	0.00017545	0.036722
4947	479863.09	3862877.25	0.00178	0.00135	0.00114	0.00182	0.00215	0.00213	0.00131	0.00135	0.0328595	5.74404E-05	2.734E-09	0.0001696	0.0017838	0.0005301	0.000214	0.00021148	0.035403
4948	480363.09	3862877.25	0.00176	0.00141	0.00129	0.00187	0.00214	0.00223	0.00135	0.00141	0.03249029	5.99933E-05	3.094E-09	0.0001743	0.0017755	0.000555	0.00022	0.00022088	0.035055
4949	480863.09	3862877.25	0.00176	0.00144	0.00135	0.00192	0.00215	0.00229	0.00139	0.00144	0.03249029	6.12698E-05	3.238E-09	0.0001789	0.0017838	0.00057	0.000227	0.00022558	0.035086
4950	481363.09	3862877.25	0.00174	0.0015	0.00139	0.00197	0.00207	0.00237	0.00144	0.0015	0.03212108	6.38227E-05	3.334E-09	0.0001836	0.0017174	0.0005899	0.000235	0.00023498	0.034676
4951	481863.09	3862877.25	0.0018	0.00155	0.00143	0.00206	0.00193	0.00245	0.00148	0.00155	0.03322871	6.59501E-05	3.43E-09	0.000192	0.0016012	0.0006098	0.000242	0.00024281	0.035696
4952	482363.09	3862877.25	0.00179	0.00159	0.0015	0.00217	0.00169	0.00254	0.00153	0.00159	0.0330441	6.7652E-05	3.598E-09	0.0002022	0.0014021	0.0006322	0.00025	0.00024908	0.035349
4953	482863.09	3862877.25	0.00181	0.00163	0.00137	0.0023	0.00155	0.0026	0.00157	0.00163	0.03341331	6.9354E-05	3.286E-09	0.0002144	0.001286	0.0006471	0.000256	0.00025534	0.035631
4954	483363.09	3862877.25	0.00181	0.00168	0.00129	0.0024	0.00159	0.00267	0.00161	0.00168	0.03341331	7.14814E-05	3.094E-09	0.0002237	0.0013192	0.0006646	0.000263	0.00026317	0.035692
4955	483863.09	3862877.25	0.00177	0.00172	0.00145	0.00249	0.00184	0.00275	0.00166	0.00172	0.0326749	7.31833E-05	3.478E-09	0.0002321	0.0015266	0.0006845	0.000271	0.00026944	0.035193

4956	484363.09	3862877.25	0.00175	0.00178	0.00151	0.00259	0.00206	0.00283	0.00172	0.00178	0.03230569	7.57363E-05	3.621E-09	0.0002414	0.0017091	0.0007044	0.000281	0.00027884	0.035038
4957	484863.09	3862877.25	0.00169	0.00184	0.00144	0.00269	0.00187	0.00289	0.00179	0.00184	0.03119806	7.82892E-05	3.454E-09	0.0002507	0.0015515	0.0007193	0.000292	0.00028824	0.033802
4958	485363.09	3862877.25	0.00163	0.0019	0.0014	0.0028	0.00144	0.0029	0.00185	0.0019	0.03009044	8.08421E-05	3.358E-09	0.0002609	0.0011947	0.0007218	0.000302	0.00029764	0.032353
4959	485863.09	3862877.25	0.00155	0.00196	0.00141	0.00294	0.00117	0.00294	0.00191	0.00196	0.02861361	8.3395E-05	3.382E-09	0.000274	0.0009707	0.0007318	0.000312	0.00030704	0.030678
4960	486363.09	3862877.25	0.00151	0.00202	0.00134	0.00317	0.00106	0.00301	0.00198	0.00202	0.02787519	8.59479E-05	3.214E-09	0.0002954	0.0008794	0.0007492	0.000323	0.00031644	0.029892
4961	486863.09	3862877.25	0.00146	0.00211	0.00147	0.00356	0.00125	0.00303	0.00206	0.00211	0.02695217	8.97772E-05	3.526E-09	0.0003318	0.0010371	0.0007542	0.000336	0.00033053	0.029171
4962	487363.09	3862877.25	0.00147	0.00222	0.00157	0.00409	0.00154	0.00303	0.00216	0.00222	0.02713678	9.44576E-05	3.765E-09	0.0003812	0.0012777	0.0007542	0.000353	0.00034777	0.029649
4963	487863.09	3862877.25	0.00148	0.00234	0.00164	0.00505	0.0011	0.00298	0.00226	0.00234	0.02732138	9.95634E-05	3.933E-09	0.0004706	0.0009126	0.0007417	0.000369	0.00036656	0.029548
4964	488363.09	3862877.25	0.0015	0.00245	0.00145	0.00727	0.0008	0.00304	0.00237	0.00245	0.02769059	0.000104244	3.478E-09	0.0006775	0.0006637	0.0007566	0.000387	0.0003838	0.029896
4965	488863.09	3862877.25	0.00162	0.00258	0.00127	0.01705	0.00081	0.00318	0.00248	0.00258	0.02990584	0.000109775	3.046E-09	0.001589	0.000672	0.0007915	0.000405	0.00040416	0.033069
4966	489363.09	3862877.25	0.00188	0.00273	0.00146	0.09675	0.00089	0.00345	0.00263	0.00273	0.03470554	0.000116157	3.502E-09	0.0090167	0.0007384	0.0008587	0.000429	0.00042766	0.045437
4967	489863.09	3862877.25	0.00209	0.00289	0.00144	0.02555	0.00077	0.00356	0.00281	0.00289	0.03858222	0.000122965	3.454E-09	0.0023812	0.0006388	0.0008861	0.000459	0.00045272	0.042617
4968	490363.09	3862877.25	0.00214	0.00305	0.00119	0.01515	0.00131	0.00349	0.003	0.00305	0.03950524	0.000129773	2.854E-09	0.0014119	0.0010868	0.0008686	0.00049	0.00047779	0.043014
4969	490863.09	3862877.25	0.00204	0.00322	0.00118	0.01098	0.00217	0.00341	0.00323	0.00322	0.0376592	0.000137006	2.83E-09	0.0010233	0.0018004	0.0008487	0.000527	0.00050442	0.041491
4970	491363.09	3862877.25	0.00192	0.00343	0.00138	0.00876	0.00247	0.00339	0.00345	0.00343	0.03544395	0.000145941	3.31E-09	0.0008164	0.0020492	0.0008438	0.000563	0.00053731	0.039325
4971	491863.09	3862877.25	0.00185	0.00371	0.00141	0.00724	0.00227	0.0033	0.00369	0.00371	0.03415173	0.000157855	3.382E-09	0.0006747	0.0018833	0.0008214	0.000602	0.00058118	0.03771
4972	492363.09	3862877.25	0.00186	0.00401	0.0014	0.00628	0.00191	0.00328	0.00394	0.00401	0.03433633	0.000170619	3.358E-09	0.0005853	0.0015846	0.0008164	0.000643	0.00062817	0.037508
4973	492863.09	3862877.25	0.00192	0.00436	0.00136	0.00558	0.00149	0.00323	0.00431	0.00436	0.03544395	0.000185511	3.262E-09	0.00052	0.0012362	0.0008039	0.000704	0.000683	0.03821
4974	493363.09	3862877.25	0.00194	0.00479	0.00134	0.00516	0.00141	0.00321	0.0048	0.00479	0.03581316	0.000203807	3.214E-09	0.0004809	0.0011698	0.000799	0.000783	0.00075036	0.0385
4975	493863.09	3862877.25	0.00195	0.00521	0.00129	0.0048	0.00157	0.00324	0.00521	0.00521	0.03599777	0.000221677	3.094E-09	0.0004473	0.0013026	0.0008064	0.00085	0.00081615	0.03881
4976	494363.09	3862877.25	0.00196	0.00579	0.00123	0.00438	0.00161	0.0032	0.00575	0.00579	0.03618237	0.000246356	2.95E-09	0.0004082	0.0013357	0.0007965	0.000939	0.00090701	0.039001
4977	494863.09	3862877.25	0.00198	0.00662	0.00127	0.00408	0.00151	0.00309	0.00657	0.00662	0.03655158	0.000281671	3.046E-09	0.0003802	0.0012528	0.0007691	0.001072	0.00103703	0.039271
4978	495363.09	3862877.25	0.00201	0.00753	0.00136	0.00392	0.00151	0.00307	0.00749	0.00753	0.03710539	0.00032039	3.262E-09	0.0003653	0.0012528	0.0007641	0.001223	0.00117958	0.039851
4979	495863.09	3862877.25	0.00201	0.00849	0.00139	0.00379	0.00164	0.00307	0.00849	0.00849	0.03710539	0.000361236	3.334E-09	0.0003532	0.0013606	0.0007641	0.001386	0.00132997	0.04
4980	496363.09	3862877.25	0.00199	0.00961	0.00136	0.0036	0.00177	0.00303	0.00965	0.00961	0.03673618	0.000408891	3.262E-09	0.0003355	0.0014685	0.0007542	0.001575	0.00150542	0.039773
4981	496863.09	3862877.25	0.00196	0.01108	0.00133	0.00336	0.00185	0.00295	0.01114	0.01108	0.03618237	0.000471437	3.19E-09	0.0003131	0.0015349	0.0007342	0.001818	0.0017357	0.039319
4982	497363.09	3862877.25	0.00194	0.01206	0.00133	0.00318	0.00182	0.00289	0.01213	0.01206	0.03581316	0.000513134	3.19E-09	0.0002964	0.00151	0.0007193	0.00198	0.00188921	0.038943
4983	497863.09	3862877.25	0.00194	0.01207	0.00135	0.00309	0.0017	0.00288	0.01212	0.01207	0.03581316	0.00051356	3.238E-09	0.000288	0.0014104	0.0007168	0.001978	0.00189078	0.038829
4984	498363.09	3862877.25	0.00196	0.0116	0.00137	0.00304	0.00154	0.00291	0.01164	0.0116	0.03618237	0.000493562	3.286E-09	0.0002833	0.0012777	0.0007243	0.0019	0.00181715	0.039044
4985	471363.09	3863377.25	0.00123	0.00095	0.00064	0.00107	0.00117	0.00119	0.00093	0.00095	0.02270628	4.0421E-05	1.535E-09	9.972E-05	0.0009707	0.0002962	0.000152	0.00014882	0.024116
4986	471863.09	3863377.25	0.00125	0.00097	0.00066	0.0011	0.00125	0.00123	0.00095	0.00097	0.02307549	4.1272E-05	1.583E-09	0.0001025	0.0010371	0.0003061	0.000155	0.00015195	0.024566
4987	472363.09	3863377.25	0.00128	0.00098	0.0007	0.00112	0.00133	0.00127	0.00096	0.00098	0.0236293	4.16975E-05	1.679E-09	0.0001044	0.0011034	0.0003161	0.000157	0.00015352	0.025198
4988	472863.09	3863377.25	0.00131	0.001	0.00076	0.00114	0.0014	0.00131	0.00098	0.001	0.02418311	4.25485E-05	1.823E-09	0.0001062	0.0011615	0.0003261	0.00016	0.00015665	0.025823
4989	473363.09	3863377.25	0.00133	0.00102	0.00081	0.00115	0.00145	0.00135	0.00099	0.00102	0.02455232	4.33994E-05	1.943E-09	0.0001072	0.001203	0.000336	0.000162	0.00015978	0.026244
4990	473863.09	3863377.25	0.00136	0.00104	0.00083	0.00117	0.00148	0.0014	0.00101	0.00104	0.02510613	4.42504E-05	1.991E-09	0.000109	0.0012279	0.0003485	0.000165	0.00016292	0.026838
4991	474363.09	3863377.25	0.00138	0.00105	0.00084	0.00119	0.00148	0.00144	0.00103	0.00105	0.02547534	4.46759E-05	2.015E-09	0.0001109	0.0012279	0.0003584	0.000168	0.00016448	0.027221
4992	474863.09	3863377.25	0.00139	0.00107	0.00086	0.00122	0.00145	0.00148	0.00104	0.00107	0.02565995	4.55268E-05	2.063E-09	0.0001137	0.001203	0.0003684	0.00017	0.00016762	0.027393
4993	475363.09	3863377.25	0.00142	0.00109	0.00088	0.00125	0.00144	0.00152	0.00106	0.00109	0.02621376	4.63778E-05	2.111E-09	0.0001165	0.0011947	0.0003783	0.000173	0.00017075	0.027952
4994	475863.09	3863377.25	0.00144	0.00111	0.00089	0.0013	0.00145	0.00156	0.00108	0.00111	0.02658297	4.72288E-05	2.135E-09	0.0001212	0.001203	0.0003883	0.000176	0.00017388	0.028345
4995	476363.09	3863377.25	0.00145	0.00114	0.0009	0.00135	0.00148	0.00161	0.0011	0.00114	0.02676757	4.85052E-05	2.159E-09	0.0001258	0.0012279	0.0004007	0.00018	0.00017858	0.028571
4996	476863.09	3863377.25	0.00147	0.00116	0.0009	0.0014	0.00156	0.00165	0.00112	0.00116	0.02713678	4.93562E-05	2.159E-09	0.0001305	0.0012943	0.0004107	0.000183	0.00018172	0.029023
4997	477363.09	3863377.25	0.0015	0.00118	0.00093	0.00146	0.00167	0.0017	0.00114	0.00118	0.02769059	5.02072E-05	2.23E-09	0.0001361	0.0013855	0.0004231	0.000186	0.00018485	0.029687
4998	477863.09	3863377.25	0.00155	0.00118	0.00097	0.00152	0.0018	0.00174	0.00115	0.00118	0.02861361	5.02072E-05	2.326E-09	0.0001417	0.0014934	0.0004331	0.000188	0.00018485	0.030735
4999	478363.09	3863377.25	0.00162	0.00113	0.00091	0.00154	0.00193	0.00172	0.00112	0.00113	0.02990584	4.80798E-05	2.182E-09	0.0001435	0.0016012	0.0004281	0.000183	0.00017702	0.032133
5000	478863.09	3863377.25	0.00163	0.00116	0.00096	0.00159	0.00193	0.00178	0.00114	0.00116	0.03009044	4.93562E-05	2.302E-09	0.0001482	0.0016012	0.000443	0.000186	0.00018172	0.032337
5001	479363.09	3863377.25	0.00161	0.00124	0.00106	0.00164	0.00195	0.00189	0.00121	0.00124	0.02972123	5.27601E-05	2.542E-09	0.0001528	0.0016178	0.0004704	0.000198	0.00019425	0.032018
5002	479863.09	3863377.25	0.00157	0.00131	0.00118	0.00168	0.00191	0.002	0.00127	0.00131	0.02898282	5.57385E-05	2.83E-09	0.0001566	0.0015846	0.0004978	0.000207	0.00020521	0.03128
5003	480363.09	3863377.25	0.00156	0.00135	0.00126	0.00173	0.0019	0.00207	0.0013	0.00135	0.02879821	5.74404E-05	3.022E-09	0.0001612	0.0015763	0.0005152	0.000212	0.00021148	0.031109
5004	480863.09	3863377.25	0.00156	0.00138	0.0013	0.0018	0.00184	0.00211	0.00134	0.00138	0.02879821	5.87169E-05	3.118E-09	0.0001678	0.0015266	0.0005252	0.000219	0.00021618	0.031079
5005	481363.09	3863377.25	0.00154	0.00143	0.00125	0.00187	0.00167	0.00216	0.00138	0.00143	0.02842901	6.08443E-05	2.998E-09	0.0001743	0.0013855	0.0005376	0.000225	0.00022401	0.030589
5006	481863.09	3863377.25	0.00156	0.00148	0.00124	0.00196	0.00148	0.00222	0.00142	0.00148	0.02879821	6.29717E-05	2.974E-09	0.0001827	0.0012279	0.0005526	0.000232	0.00023184	0.030824
5007	482363.09	3863377.25	0.00157	0.00152	0.00128	0.00206	0.00135	0.00226	0.00146	0.00152	0.02898282	6.46737E-05	3.07E-09	0.000192	0.00112	0.0005625	0.000238	0.00023811	0.030922
5008	482863.09	3863377.25	0.00156	0.00155	0.00117	0.00214	0.00135	0.00232	0.0015	0.00155	0.02879821	6.59501E-05	2.806E-09	0.0001994	0.00112	0.0005774	0.000245	0.00024281	0.030763
5009	483363.09	3863377.25	0.00156	0.00159	0.00121	0.0022	0.00153	0.00239	0.00154	0.00159	0.02879821	6.7652E-05	2.902E-09	0.000205	0.0012694	0.0005949	0.000251	0.00024908	0.030937
5010	483863.09	3863377.25	0.00153	0.00163	0.00139	0.00228	0.00177	0.00245	0.00158	0.00163	0.0282444	6.9354E-05	3.334E-09	0.0002125	0.0014685	0.0006098	0.000258	0.00025534	0.030607
5011	484363.09	3863377.25	0.00147	0.00168	0.00136	0.00235	0.00179	0.00249	0.00164	0.00168	0.02713678	7.14814E-05	3.262E-09	0.000219	0.0014851	0.0006198	0.000268	0.00026317	0.029537
5012	484863.09	3863377.25	0.00141	0.00174	0.00134	0.00242	0.00146	0.00252	0.00169	0.00174	0.02602915	7.40343E-05	3.214E-09	0.0002255	0.0012113	0.0006272	0.000276	0.00027257	0.028171

5013	485363.09	3863377.25	0.00134	0.00179	0.00128	0.00249	0.00113	0.00252	0.00175	0.00179	0.02473693	7.61617E-05	3.07E-09	0.0002321	0.0009375	0.0006272	0.000286	0.00028041	0.026615
5014	485863.09	3863377.25	0.00129	0.00184	0.00117	0.00261	0.00099	0.00258	0.0018	0.00184	0.02381391	7.82892E-05	2.806E-09	0.0002432	0.0008214	0.0006422	0.000294	0.00028824	0.025605
5015	486363.09	3863377.25	0.00123	0.00188	0.00115	0.00283	0.00091	0.00261	0.00185	0.00188	0.02270628	7.99911E-05	2.758E-09	0.0002637	0.000755	0.0006496	0.000302	0.0002945	0.024462
5016	486863.09	3863377.25	0.00118	0.00195	0.00135	0.0031	0.00121	0.00255	0.00191	0.00195	0.02178326	8.29695E-05	3.238E-09	0.0002889	0.0010039	0.0006347	0.000312	0.00030547	0.0238
5017	487363.09	3863377.25	0.00117	0.00203	0.00145	0.00345	0.0014	0.00256	0.00199	0.00203	0.02159866	8.63734E-05	3.478E-09	0.0003215	0.0011615	0.0006372	0.000325	0.000318	0.023812
5018	487863.09	3863377.25	0.0012	0.00213	0.00136	0.0041	0.00097	0.00257	0.00207	0.00213	0.02215247	9.06282E-05	3.262E-09	0.0003821	0.0008048	0.0006397	0.000338	0.00033367	0.024074
5019	488363.09	3863377.25	0.00123	0.00222	0.00124	0.00541	0.00071	0.00258	0.00215	0.00222	0.02270628	9.44576E-05	2.974E-09	0.0005042	0.0005891	0.0006422	0.000351	0.00034777	0.024539
5020	488863.09	3863377.25	0.00131	0.00232	0.0011	0.01233	0.00068	0.00264	0.00224	0.00232	0.02418311	9.87124E-05	2.638E-09	0.0011491	0.0005642	0.0006571	0.000366	0.00036343	0.026654
5021	489363.09	3863377.25	0.00149	0.00242	0.00124	0.08537	0.00082	0.00284	0.00234	0.00242	0.02750599	0.000102967	2.974E-09	0.0079561	0.0006803	0.0007069	0.000382	0.0003791	0.036955
5022	489863.09	3863377.25	0.00172	0.00254	0.00123	0.01693	0.00066	0.00296	0.00246	0.00254	0.03175188	0.000108073	2.95E-09	0.0015778	0.0005476	0.0007367	0.000402	0.00039789	0.034726
5023	490363.09	3863377.25	0.00183	0.00266	0.00109	0.00959	0.00084	0.00297	0.0026	0.00266	0.03378252	0.000113179	2.614E-09	0.0008937	0.0006969	0.0007392	0.000424	0.00041669	0.036233
5024	490863.09	3863377.25	0.00182	0.00277	0.00104	0.00716	0.00157	0.00286	0.00275	0.00277	0.03359792	0.000117859	2.494E-09	0.0006673	0.0013026	0.0007118	0.000449	0.00043392	0.036412
5025	491363.09	3863377.25	0.00168	0.00289	0.00109	0.00591	0.0021	0.00276	0.00291	0.00289	0.03101346	0.000122965	2.614E-09	0.0005508	0.0017423	0.000687	0.000475	0.00045272	0.034139
5026	491863.09	3863377.25	0.00157	0.00304	0.00124	0.00514	0.00212	0.00274	0.00306	0.00304	0.02898282	0.000129347	2.974E-09	0.000479	0.0017589	0.000682	0.000499	0.00047622	0.032055
5027	492363.09	3863377.25	0.00156	0.00318	0.00121	0.00469	0.00197	0.00282	0.00317	0.00318	0.02879821	0.000135304	2.902E-09	0.0004371	0.0016344	0.0007019	0.000517	0.00049815	0.031726
5028	492863.09	3863377.25	0.00162	0.00313	0.00127	0.00434	0.00168	0.00281	0.00307	0.00313	0.02990584	0.000133177	3.046E-09	0.0004045	0.0013938	0.0006994	0.000501	0.00049032	0.032548
5029	493363.09	3863377.25	0.0017	0.00299	0.00127	0.00402	0.00135	0.00273	0.00294	0.00299	0.03138267	0.00012722	3.046E-09	0.0003746	0.00112	0.0006795	0.00048	0.00046839	0.033696
5030	493863.09	3863377.25	0.00172	0.00316	0.00124	0.00383	0.00129	0.00269	0.00316	0.00316	0.03175188	0.000134453	2.974E-09	0.0003569	0.0010703	0.0006695	0.000516	0.00049502	0.034004
5031	494363.09	3863377.25	0.00168	0.00352	0.00118	0.00368	0.00142	0.00272	0.00353	0.00352	0.03101346	0.000149771	2.83E-09	0.000343	0.0011781	0.000677	0.000576	0.00055141	0.033386
5032	494863.09	3863377.25	0.0017	0.00359	0.00112	0.00346	0.00148	0.00267	0.00356	0.00359	0.03138267	0.000152749	2.686E-09	0.0003225	0.0012279	0.0006646	0.000581	0.00056238	0.033769
5033	495363.09	3863377.25	0.00174	0.00353	0.00115	0.00328	0.00142	0.00265	0.00348	0.00353	0.03212108	0.000150196	2.758E-09	0.0003057	0.0011781	0.0006596	0.000568	0.00055298	0.03443
5034	495863.09	3863377.25	0.00179	0.00359	0.00125	0.00319	0.00139	0.00267	0.00353	0.00359	0.0330441	0.000152749	2.998E-09	0.0002973	0.0011532	0.0006646	0.000576	0.00056238	0.035326
5035	496363.09	3863377.25	0.00172	0.005	0.00123	0.00306	0.00141	0.00259	0.00497	0.005	0.03175188	0.000212742	2.95E-09	0.0002852	0.0011698	0.0006446	0.000811	0.00078326	0.034092
5036	496863.09	3863377.25	0.00168	0.00516	0.0012	0.00293	0.0015	0.00251	0.00515	0.00516	0.03101346	0.00021955	2.878E-09	0.0002731	0.0012445	0.0006247	0.000841	0.00080832	0.033408
5037	497363.09	3863377.25	0.00165	0.00508	0.00117	0.00279	0.0016	0.00245	0.00509	0.00508	0.03045965	0.000216146	2.806E-09	0.00026	0.0013274	0.0006098	0.000831	0.00079579	0.032908
5038	497863.09	3863377.25	0.00163	0.00492	0.00114	0.00265	0.00164	0.0024	0.00494	0.00492	0.03009044	0.000209338	2.734E-09	0.000247	0.0013606	0.0005974	0.000806	0.00077072	0.03254
5039	498363.09	3863377.25	0.00162	0.00488	0.00114	0.00254	0.0016	0.00237	0.0049	0.00488	0.02990584	0.000207636	2.734E-09	0.0002367	0.0013274	0.0005899	0.0008	0.00076446	0.032303
5040	471363.09	3863877.25	0.00117	0.00092	0.00064	0.00102	0.00125	0.00118	0.0009	0.00092	0.02159866	3.91446E-05	1.535E-09	9.506E-05	0.0010371	0.0002937	0.000147	0.00014412	0.023066
5041	471863.09	3863877.25	0.0012	0.00094	0.00068	0.00103	0.00131	0.00122	0.00092	0.00094	0.02215247	3.99956E-05	1.631E-09	9.599E-05	0.0010868	0.0003037	0.00015	0.00014725	0.023682
5042	472363.09	3863877.25	0.00122	0.00095	0.00073	0.00105	0.00134	0.00125	0.00093	0.00095	0.02252168	4.0421E-05	1.751E-09	9.786E-05	0.0011117	0.0003111	0.000152	0.00014882	0.024086
5043	472863.09	3863877.25	0.00124	0.00097	0.00076	0.00107	0.00135	0.00128	0.00095	0.00097	0.02289089	4.1272E-05	1.823E-09	9.972E-05	0.00112	0.0003186	0.000155	0.00015195	0.024474
5044	473363.09	3863877.25	0.00125	0.00099	0.00078	0.00109	0.00133	0.00132	0.00096	0.00099	0.02307549	4.2123E-05	1.871E-09	0.0001016	0.0011034	0.0003285	0.000157	0.00015508	0.024653
5045	473863.09	3863877.25	0.00128	0.00101	0.00078	0.00112	0.00131	0.00135	0.00098	0.00101	0.0236293	4.29739E-05	1.871E-09	0.0001044	0.0010868	0.000336	0.00016	0.00015822	0.025201
5046	474363.09	3863877.25	0.00129	0.00102	0.00079	0.00115	0.00129	0.00139	0.00099	0.00102	0.02381391	4.33994E-05	1.895E-09	0.0001072	0.0010703	0.000346	0.000162	0.00015978	0.025383
5047	474863.09	3863877.25	0.00129	0.00104	0.00082	0.00119	0.00128	0.00142	0.00101	0.00104	0.02381391	4.42504E-05	1.967E-09	0.0001109	0.001062	0.0003534	0.000165	0.00016292	0.025386
5048	475363.09	3863877.25	0.00131	0.00106	0.00083	0.00123	0.00132	0.00145	0.00103	0.00106	0.02418311	4.51014E-05	1.991E-09	0.0001146	0.0010951	0.0003609	0.000168	0.00016605	0.025801
5049	475863.09	3863877.25	0.00131	0.00108	0.00085	0.00128	0.00137	0.00149	0.00105	0.00108	0.02418311	4.59523E-05	2.039E-09	0.0001193	0.0011366	0.0003709	0.000171	0.00016918	0.025858
5050	476363.09	3863877.25	0.00133	0.0011	0.00086	0.00133	0.00146	0.00153	0.00107	0.0011	0.02455232	4.68033E-05	2.063E-09	0.000124	0.0012113	0.0003808	0.000175	0.00017232	0.026318
5051	476863.09	3863877.25	0.00133	0.00112	0.0009	0.00137	0.00155	0.00158	0.00109	0.00112	0.02455232	4.76543E-05	2.159E-09	0.0001277	0.001286	0.0003933	0.000178	0.00017545	0.026409
5052	477363.09	3863877.25	0.00136	0.00114	0.00095	0.00141	0.00164	0.00162	0.0011	0.00114	0.02510613	4.85052E-05	2.278E-09	0.0001314	0.0013606	0.0004032	0.00018	0.00017858	0.027051
5053	477863.09	3863877.25	0.0014	0.00115	0.00096	0.00144	0.00172	0.00166	0.00112	0.00115	0.02584455	4.89307E-05	2.302E-09	0.0001342	0.001427	0.0004132	0.000183	0.00018015	0.027871
5054	478363.09	3863877.25	0.00146	0.00112	0.00093	0.00145	0.00173	0.00166	0.00111	0.00112	0.02695217	4.76543E-05	2.23E-09	0.0001351	0.0014353	0.0004132	0.000181	0.00017545	0.028989
5055	478863.09	3863877.25	0.00144	0.00119	0.001	0.00149	0.00174	0.00175	0.00116	0.00119	0.02658297	5.06327E-05	2.398E-09	0.0001389	0.0014436	0.0004356	0.000189	0.00018641	0.028655
5056	479363.09	3863877.25	0.00143	0.00123	0.00108	0.00154	0.00173	0.00182	0.00119	0.00123	0.02639836	5.23346E-05	2.59E-09	0.0001435	0.0014353	0.000453	0.000194	0.00019268	0.028484
5057	479863.09	3863877.25	0.00142	0.00127	0.00114	0.00159	0.00171	0.00187	0.00123	0.00127	0.02621376	5.40365E-05	2.734E-09	0.0001482	0.0014187	0.0004654	0.000201	0.00019895	0.028302
5058	480363.09	3863877.25	0.00141	0.0013	0.00119	0.00166	0.00163	0.00189	0.00125	0.0013	0.02602915	5.5313E-05	2.854E-09	0.0001547	0.0013523	0.0004704	0.000204	0.00020365	0.028062
5059	480863.09	3863877.25	0.00138	0.00133	0.00115	0.00173	0.00149	0.00191	0.00129	0.00133	0.02547534	5.65894E-05	2.758E-09	0.0001612	0.0012362	0.0004754	0.000211	0.00020835	0.027407
5060	481363.09	3863877.25	0.00136	0.00137	0.00107	0.00179	0.00132	0.00195	0.00132	0.00137	0.02510613	5.82914E-05	2.566E-09	0.0001668	0.0010951	0.0004853	0.000215	0.00021461	0.026913
5061	481863.09	3863877.25	0.00137	0.00141	0.0011	0.00185	0.0012	0.00199	0.00136	0.00141	0.02529074	5.99933E-05	2.638E-09	0.0001724	0.0009956	0.0004953	0.000222	0.00022088	0.027015
5062	482363.09	3863877.25	0.00138	0.00144	0.00112	0.00191	0.00118	0.00205	0.00139	0.00144	0.02547534	6.12698E-05	2.686E-09	0.000178	0.000979	0.0005102	0.000227	0.00022558	0.027205
5063	482863.09	3863877.25	0.00137	0.00147	0.00105	0.00197	0.00129	0.00211	0.00142	0.00147	0.02529074	6.25462E-05	2.518E-09	0.0001836	0.0010703	0.0005252	0.000232	0.00023028	0.027134
5064	483363.09	3863877.25	0.00136	0.0015	0.00117	0.00202	0.0015	0.00217	0.00146	0.0015	0.02510613	6.38227E-05	2.806E-09	0.0001883	0.0012445	0.0005401	0.000238	0.00023498	0.027146
5065	483863.09	3863877.25	0.00132	0.00153	0.00132	0.00209	0.00164	0.0022	0.00149	0.00153	0.02436772	6.50991E-05	3.166E-09	0.0001948	0.0013606	0.0005476	0.000243	0.00023968	0.026539
5066	484363.09	3863877.25	0.00124	0.00157	0.00127	0.00213	0.00146	0.00222	0.00153	0.00157	0.02289089	6.68011E-05	3.046E-09	0.0001985	0.0012113	0.0005526	0.00025	0.00024594	0.024924
5067	484863.09	3863877.25	0.00118	0.00161	0.00118	0.00217	0.00113	0.00222	0.00158	0.00161	0.02178326	6.8503E-05	2.83E-09	0.0002022	0.0009375	0.0005526	0.000258	0.00025221	0.02355
5068	485363.09	3863877.25	0.00114	0.00165	0.00111	0.00224	0.00094	0.00223	0.00162	0.00165	0.02104485	7.0205E-05	2.662E-09	0.0002088	0.0007799	0.000555	0.000264	0.00025847	0.022665
5069	485863.09	3863877.25	0.00111	0.00169	0.00099	0.00237	0.00086	0.00228	0.00166	0.00169	0.02049104	7.19069E-05	2.374E-09	0.0002209	0.0007135	0.0005675	0.000271	0.00026474	0.022071

5070	486363.09	3863877.25	0.00104	0.00173	0.00107	0.00254	0.00081	0.00226	0.0017	0.00173	0.01919881	7.36088E-05	2.566E-09	0.0002367	0.000672	0.0005625	0.000277	0.00027101	0.02075
5071	486863.09	3863877.25	0.00097	0.00178	0.00129	0.00271	0.00117	0.0022	0.00175	0.00178	0.01790658	7.57363E-05	3.094E-09	0.0002526	0.0009707	0.0005476	0.000286	0.00027884	0.01976
5072	487363.09	3863877.25	0.00095	0.00184	0.00124	0.00293	0.00127	0.00223	0.00181	0.00184	0.01753737	7.82892E-05	2.974E-09	0.0002731	0.0010537	0.000555	0.000295	0.00028824	0.019505
5073	487863.09	3863877.25	0.001	0.00192	0.00112	0.00324	0.00087	0.00227	0.00188	0.00192	0.01846039	8.1693E-05	2.686E-09	0.000302	0.0007218	0.000565	0.000307	0.00030077	0.020137
5074	488363.09	3863877.25	0.00103	0.002	0.00108	0.00364	0.00064	0.00224	0.00195	0.002	0.0190142	8.50969E-05	2.59E-09	0.0003392	0.000531	0.0005575	0.000318	0.0003133	0.020532
5075	488863.09	3863877.25	0.00109	0.00208	0.00101	0.00461	0.00058	0.00225	0.00202	0.00208	0.02012183	8.85008E-05	2.422E-09	0.0004296	0.0004812	0.00056	0.00033	0.00032583	0.021685
5076	489363.09	3863877.25	0.00121	0.00217	0.0011	0.00378	0.00073	0.00235	0.0021	0.00217	0.02233708	9.23302E-05	2.638E-09	0.0003523	0.0006056	0.0005849	0.000343	0.00033993	0.023975
5077	489863.09	3863877.25	0.00141	0.00225	0.00105	0.00378	0.00064	0.00247	0.00218	0.00225	0.02602915	9.5734E-05	2.518E-09	0.0003523	0.000531	0.0006148	0.000356	0.00035247	0.027626
5078	490363.09	3863877.25	0.00157	0.00233	0.001	0.00379	0.00059	0.00254	0.00227	0.00233	0.02898282	9.91379E-05	2.398E-09	0.0003532	0.0004895	0.0006322	0.000371	0.000365	0.030562
5079	490863.09	3863877.25	0.00164	0.0024	0.00095	0.00375	0.00105	0.00249	0.00236	0.0024	0.03027504	0.000102116	2.278E-09	0.0003495	0.0008711	0.0006198	0.000385	0.00037596	0.032227
5080	491363.09	3863877.25	0.00156	0.00246	0.00092	0.00363	0.00168	0.0024	0.00245	0.00246	0.02879821	0.000104669	2.206E-09	0.0003383	0.0013938	0.0005974	0.0004	0.00038536	0.031247
5081	491863.09	3863877.25	0.00146	0.00243	0.00109	0.00351	0.00201	0.00244	0.00245	0.00243	0.02695217	0.000103393	2.614E-09	0.0003271	0.0016676	0.0006073	0.0004	0.00038066	0.029677
5082	492363.09	3863877.25	0.00144	0.00215	0.00111	0.00327	0.002	0.00239	0.00219	0.00215	0.02658297	9.14792E-05	2.662E-09	0.0003048	0.0016593	0.0005949	0.000357	0.0003368	0.029254
5083	492863.09	3863877.25	0.00145	0.00192	0.00103	0.00302	0.00183	0.00232	0.00194	0.00192	0.02676757	8.1693E-05	2.47E-09	0.0002815	0.0015183	0.0005774	0.000317	0.00030077	0.029242
5084	493363.09	3863877.25	0.00148	0.00202	0.00108	0.00295	0.0015	0.00231	0.00196	0.00202	0.02732138	8.59479E-05	2.59E-09	0.0002749	0.0012445	0.000575	0.00032	0.00031644	0.029505
5085	493863.09	3863877.25	0.0015	0.00218	0.00108	0.00286	0.0012	0.00225	0.00211	0.00218	0.02769059	9.27556E-05	2.59E-09	0.0002665	0.0009956	0.00056	0.000344	0.0003415	0.029608
5086	494363.09	3863877.25	0.0015	0.00234	0.00109	0.00285	0.00115	0.00226	0.00234	0.00234	0.02769059	9.95634E-05	2.614E-09	0.0002656	0.0009541	0.0005625	0.000382	0.00036656	0.029588
5087	494863.09	3863877.25	0.00149	0.00239	0.00105	0.00285	0.00128	0.00229	0.00242	0.00239	0.02750599	0.000101691	2.518E-09	0.0002656	0.001062	0.00057	0.000395	0.0003744	0.029526
5088	495363.09	3863877.25	0.00149	0.00248	0.00099	0.00274	0.00135	0.00228	0.00247	0.00248	0.02750599	0.00010552	2.374E-09	0.0002554	0.00112	0.0005675	0.000403	0.0003885	0.029569
5089	495863.09	3863877.25	0.00151	0.00251	0.00097	0.00262	0.00129	0.00224	0.00246	0.00251	0.02787519	0.000106797	2.326E-09	0.0002442	0.0010703	0.0005575	0.000402	0.00039319	0.029862
5090	496363.09	3863877.25	0.0015	0.00284	0.00103	0.00255	0.00121	0.00225	0.00279	0.00284	0.02769059	0.000120838	2.47E-09	0.0002376	0.0010039	0.00056	0.000455	0.00044489	0.029623
5091	496863.09	3863877.25	0.00149	0.0032	0.00107	0.00251	0.00123	0.00222	0.00316	0.0032	0.02750599	0.000136155	2.566E-09	0.0002339	0.0010205	0.0005526	0.000516	0.00050128	0.029464
5092	497363.09	3863877.25	0.00148	0.00329	0.00109	0.00246	0.00131	0.00218	0.00326	0.00329	0.02732138	0.000139984	2.614E-09	0.0002293	0.0010868	0.0005426	0.000532	0.00051538	0.029337
5093	497863.09	3863877.25	0.00146	0.00323	0.00108	0.0024	0.00141	0.00214	0.00322	0.00323	0.02695217	0.000137432	2.59E-09	0.0002237	0.0011698	0.0005326	0.000526	0.00050598	0.029035
5094	498363.09	3863877.25	0.00142	0.00313	0.00104	0.00229	0.00146	0.00208	0.00313	0.00313	0.02621376	0.000133177	2.494E-09	0.0002134	0.0012113	0.0005177	0.000511	0.00049032	0.02831
5095	471363.09	3864377.25	0.00112	0.0009	0.00066	0.00096	0.00124	0.00116	0.00088	0.0009	0.02067564	3.82936E-05	1.583E-09	8.947E-05	0.0010288	0.0002887	0.000144	0.00014099	0.022124
5096	471863.09	3864377.25	0.00114	0.00091	0.00069	0.00098	0.00124	0.00119	0.00089	0.00091	0.02104485	3.87191E-05	1.655E-09	9.133E-05	0.0010288	0.0002962	0.000145	0.00014255	0.022503
5097	472363.09	3864377.25	0.00116	0.00093	0.00071	0.00101	0.00122	0.00121	0.00091	0.00093	0.02141406	3.95701E-05	1.703E-09	9.413E-05	0.0010122	0.0003012	0.000149	0.00014569	0.022864
5098	472863.09	3864377.25	0.00117	0.00095	0.00072	0.00103	0.0012	0.00124	0.00092	0.00095	0.02159866	4.0421E-05	1.727E-09	9.599E-05	0.0009956	0.0003086	0.00015	0.00014882	0.023041
5099	473363.09	3864377.25	0.00118	0.00096	0.00073	0.00107	0.00117	0.00127	0.00094	0.00096	0.02178326	4.08465E-05	1.751E-09	9.972E-05	0.0009707	0.0003161	0.000153	0.00015039	0.023214
5100	473863.09	3864377.25	0.00119	0.00098	0.00074	0.0011	0.00116	0.0013	0.00095	0.00098	0.02196787	4.16975E-05	1.775E-09	0.0001025	0.0009624	0.0003236	0.000155	0.00015352	0.0234
5101	474363.09	3864377.25	0.00119	0.00099	0.00076	0.00114	0.00118	0.00132	0.00097	0.00099	0.02196787	4.2123E-05	1.823E-09	0.0001062	0.000979	0.0003285	0.000158	0.00015508	0.023427
5102	474863.09	3864377.25	0.00119	0.00101	0.00079	0.00117	0.00122	0.00135	0.00098	0.00101	0.02196787	4.29739E-05	1.895E-09	0.000109	0.0010122	0.000336	0.00016	0.00015822	0.02347
5103	475363.09	3864377.25	0.0012	0.00102	0.00081	0.00121	0.0013	0.00137	0.001	0.00102	0.02215247	4.33994E-05	1.943E-09	0.0001128	0.0010786	0.000341	0.000163	0.00015978	0.023732
5104	475863.09	3864377.25	0.0012	0.00104	0.00082	0.00124	0.00137	0.00141	0.00102	0.00104	0.02215247	4.42504E-05	1.967E-09	0.0001156	0.0011366	0.0003509	0.000166	0.00016292	0.023803
5105	476363.09	3864377.25	0.00121	0.00106	0.00085	0.00127	0.00146	0.00146	0.00103	0.00106	0.02233708	4.51014E-05	2.039E-09	0.0001184	0.0012113	0.0003634	0.000168	0.00016605	0.024077
5106	476863.09	3864377.25	0.00123	0.00108	0.00089	0.0013	0.00152	0.0015	0.00105	0.00108	0.02270628	4.59523E-05	2.135E-09	0.0001212	0.0012611	0.0003733	0.000171	0.00016918	0.02451
5107	477363.09	3864377.25	0.00124	0.00111	0.00093	0.00132	0.00154	0.00155	0.00107	0.00111	0.02289089	4.72288E-05	2.23E-09	0.000123	0.0012777	0.0003858	0.000175	0.00017388	0.024725
5108	477863.09	3864377.25	0.00126	0.00113	0.00093	0.00135	0.00153	0.00159	0.00109	0.00113	0.0232601	4.80798E-05	2.23E-09	0.0001258	0.0012694	0.0003957	0.000178	0.00017702	0.0251
5109	478363.09	3864377.25	0.00128	0.00114	0.00094	0.00139	0.00153	0.00163	0.00111	0.00114	0.0236293	4.85052E-05	2.254E-09	0.0001295	0.0012694	0.0004057	0.000181	0.00017858	0.025485
5110	478863.09	3864377.25	0.00129	0.00116	0.00099	0.00143	0.00155	0.00166	0.00113	0.00116	0.02381391	4.93562E-05	2.374E-09	0.0001333	0.001286	0.0004132	0.000184	0.00018172	0.025698
5111	479363.09	3864377.25	0.00129	0.00118	0.00104	0.00148	0.00154	0.00168	0.00115	0.00118	0.02381391	5.02072E-05	2.494E-09	0.0001379	0.0012777	0.0004181	0.000188	0.00018485	0.025701
5112	479863.09	3864377.25	0.00128	0.00121	0.00107	0.00154	0.00147	0.0017	0.00117	0.00121	0.0236293	5.14836E-05	2.566E-09	0.0001435	0.0012196	0.0004231	0.000191	0.00018955	0.025468
5113	480363.09	3864377.25	0.00126	0.00123	0.00107	0.0016	0.00133	0.00172	0.00119	0.00123	0.0232601	5.23346E-05	2.566E-09	0.0001491	0.0011034	0.0004281	0.000194	0.00019268	0.024995
5114	480863.09	3864377.25	0.00122	0.00125	0.00099	0.00164	0.00118	0.00174	0.00122	0.00125	0.02252168	5.31856E-05	2.374E-09	0.0001528	0.000979	0.0004331	0.000199	0.00019581	0.024143
5115	481363.09	3864377.25	0.0012	0.00129	0.00093	0.00166	0.00107	0.00177	0.00125	0.00129	0.02215247	5.48875E-05	2.23E-09	0.0001547	0.0008877	0.0004405	0.000204	0.00020208	0.023692
5116	481863.09	3864377.25	0.00121	0.00133	0.00098	0.0017	0.00104	0.00183	0.00128	0.00133	0.02233708	5.65894E-05	2.35E-09	0.0001584	0.0008628	0.0004555	0.000209	0.00020835	0.023871
5117	482363.09	3864377.25	0.00121	0.00135	0.001	0.00175	0.0011	0.00189	0.00131	0.00135	0.02233708	5.74404E-05	2.398E-09	0.0001631	0.0009126	0.0004704	0.000214	0.00021148	0.023943
5118	482863.09	3864377.25	0.0012	0.00137	0.00101	0.0018	0.00128	0.00194	0.00134	0.00137	0.02215247	5.82914E-05	2.422E-09	0.0001678	0.001062	0.0004829	0.000219	0.00021461	0.023927
5119	483363.09	3864377.25	0.00118	0.0014	0.00116	0.00184	0.00145	0.00196	0.00137	0.0014	0.02178326	5.95678E-05	2.782E-09	0.0001715	0.001203	0.0004878	0.000224	0.00021931	0.023709
5120	483863.09	3864377.25	0.00113	0.00143	0.00124	0.00187	0.00142	0.00197	0.0014	0.00143	0.02086024	6.08443E-05	2.974E-09	0.0001743	0.0011781	0.0004903	0.000229	0.00022401	0.022768
5121	484363.09	3864377.25	0.00106	0.00146	0.00113	0.00189	0.00116	0.00197	0.00143	0.00146	0.01956802	6.21207E-05	2.71E-09	0.0001761	0.0009624	0.0004903	0.000233	0.00022871	0.021264
5122	484863.09	3864377.25	0.00101	0.0015	0.00101	0.00192	0.0009	0.00196	0.00147	0.0015	0.018645	6.38227E-05	2.422E-09	0.0001789	0.0007467	0.0004878	0.00024	0.00023498	0.020127
5123	485363.09	3864377.25	0.00099	0.00154	0.00095	0.00199	0.00082	0.00198	0.00151	0.00154	0.01827579	6.55246E-05	2.278E-09	0.0001855	0.0006803	0.0004928	0.000246	0.00024124	0.019705
5124	485863.09	3864377.25	0.00095	0.00158	0.00088	0.00211	0.00073	0.00203	0.00155	0.00158	0.01753737	6.72266E-05	2.111E-09	0.0001966	0.0006056	0.0005053	0.000253	0.00024751	0.018918
5125	486363.09	3864377.25	0.00089	0.00161	0.00106	0.00222	0.00075	0.00199	0.00159	0.00161	0.01642975	6.8503E-05	2.542E-09	0.0002069	0.0006222	0.0004953	0.00026	0.00025221	0.01783
5126	486863.09	3864377.25	0.00082	0.00165	0.00118	0.00233	0.00114	0.00198	0.00163	0.00165	0.01513752	7.0205E-05	2.83E-09	0.0002171	0.0009458	0.0004928	0.000266	0.00025847	0.016871

5127	487363.09	3864377.25	0.0008	0.0017	0.00106	0.00245	0.00116	0.00198	0.00167	0.0017	0.01476831	7.23324E-05	2.542E-09	0.0002283	0.0009624	0.0004928	0.000273	0.00026631	0.01653
5128	487863.09	3864377.25	0.00084	0.00175	0.00096	0.00258	0.00078	0.00201	0.00172	0.00175	0.01550673	7.44598E-05	2.302E-09	0.0002404	0.0006471	0.0005003	0.000281	0.00027414	0.016976
5129	488363.09	3864377.25	0.00088	0.00181	0.00093	0.00267	0.00059	0.00195	0.00176	0.00181	0.01624515	7.70127E-05	2.23E-09	0.0002488	0.0004895	0.0004853	0.000287	0.00028354	0.01755
5130	488863.09	3864377.25	0.00093	0.00186	0.00095	0.00275	0.0005	0.00195	0.00181	0.00186	0.01716817	7.91401E-05	2.278E-09	0.0002563	0.0004148	0.0004853	0.000295	0.00029137	0.018408
5131	489363.09	3864377.25	0.001	0.00191	0.00101	0.00235	0.00064	0.002	0.00185	0.00191	0.01846039	8.12676E-05	2.422E-09	0.000219	0.000531	0.0004978	0.000302	0.0002992	0.019792
5132	489863.09	3864377.25	0.00116	0.00196	0.0009	0.00231	0.00063	0.00208	0.0019	0.00196	0.02141406	8.3395E-05	2.159E-09	0.0002153	0.0005227	0.0005177	0.00031	0.00030704	0.022756
5133	490363.09	3864377.25	0.00133	0.00202	0.00089	0.00238	0.00048	0.00217	0.00195	0.00202	0.02455232	8.59479E-05	2.135E-09	0.0002218	0.0003982	0.0005401	0.000318	0.00031644	0.0258
5134	490863.09	3864377.25	0.00146	0.00206	0.0009	0.00244	0.0007	0.00223	0.00201	0.00206	0.02695217	8.76498E-05	2.159E-09	0.0002274	0.0005808	0.000555	0.000328	0.0003227	0.028408
5135	491363.09	3864377.25	0.00154	0.00196	0.00086	0.00241	0.00132	0.00226	0.00193	0.00196	0.02842901	8.3395E-05	2.063E-09	0.0002246	0.0010951	0.0005625	0.000315	0.00030704	0.030403
5136	491863.09	3864377.25	0.00145	0.00114	0.00063	0.00154	0.00139	0.00148	0.00121	0.00114	0.02676757	4.85052E-05	1.511E-09	0.0001435	0.0011532	0.0003684	0.000198	0.00017858	0.0285
5137	492363.09	3864377.25	0.00141	0.00144	0.00091	0.00202	0.00194	0.00186	0.00151	0.00144	0.02602915	6.12698E-05	2.182E-09	0.0001883	0.0016095	0.0004629	0.000246	0.00022558	0.028372
5138	492863.09	3864377.25	0.00126	0.00118	0.00066	0.00168	0.00148	0.00152	0.00126	0.00118	0.0232601	5.02072E-05	1.583E-09	0.0001566	0.0012279	0.0003783	0.000206	0.00018485	0.025094
5139	493363.09	3864377.25	0.00131	0.00138	0.00085	0.002	0.00161	0.00175	0.00139	0.00138	0.02418311	5.87169E-05	2.039E-09	0.0001864	0.0013357	0.0004356	0.000227	0.00021618	0.02621
5140	493863.09	3864377.25	0.00131	0.00162	0.00092	0.00217	0.00126	0.0019	0.00155	0.00162	0.02418311	6.89285E-05	2.206E-09	0.0002022	0.0010454	0.0004729	0.000253	0.00025377	0.025972
5141	494363.09	3864377.25	0.00132	0.00178	0.00096	0.0022	0.00105	0.00192	0.00172	0.00178	0.02436772	7.57363E-05	2.302E-09	0.000205	0.0008711	0.0004779	0.000281	0.00027884	0.025999
5142	494863.09	3864377.25	0.00131	0.0019	0.00098	0.00226	0.00102	0.00194	0.0019	0.0019	0.02418311	8.08421E-05	2.35E-09	0.0002106	0.0008462	0.0004829	0.00031	0.00029764	0.025816
5143	495363.09	3864377.25	0.00131	0.0019	0.00095	0.00232	0.00114	0.00198	0.00193	0.0019	0.02418311	8.08421E-05	2.278E-09	0.0002162	0.0009458	0.0004928	0.000315	0.00029764	0.025936
5144	495863.09	3864377.25	0.00131	0.00192	0.00089	0.00227	0.00122	0.00198	0.00192	0.00192	0.02418311	8.1693E-05	2.135E-09	0.0002116	0.0010122	0.0004928	0.000313	0.00030077	0.025994
5145	496363.09	3864377.25	0.00131	0.00203	0.00086	0.00219	0.00117	0.00195	0.002	0.00203	0.02418311	8.63734E-05	2.063E-09	0.0002041	0.0009707	0.0004853	0.000326	0.000318	0.025938
5146	496863.09	3864377.25	0.00132	0.00209	0.00089	0.00212	0.00109	0.00194	0.00205	0.00209	0.02436772	8.89263E-05	2.135E-09	0.0001976	0.0009043	0.0004829	0.000335	0.0003274	0.026049
5147	497363.09	3864377.25	0.00132	0.00228	0.00094	0.0021	0.00109	0.00193	0.00223	0.00228	0.02436772	9.70105E-05	2.254E-09	0.0001957	0.0009043	0.0004804	0.000364	0.00035716	0.026052
5148	497863.09	3864377.25	0.00134	0.00231	0.00101	0.00212	0.00117	0.00194	0.00227	0.00231	0.02473693	9.82869E-05	2.422E-09	0.0001976	0.0009707	0.0004829	0.000371	0.00036186	0.026495
5149	498363.09	3864377.25	0.00131	0.00244	0.00099	0.00207	0.00124	0.00189	0.00241	0.00244	0.02418311	0.000103818	2.374E-09	0.0001929	0.0010288	0.0004704	0.000393	0.00038223	0.02599
5150	471363.09	3864877.25	0.00106	0.00087	0.00066	0.00094	0.00112	0.00113	0.00086	0.00087	0.01956802	3.70172E-05	1.583E-09	8.76E-05	0.0009292	0.0002813	0.00014	0.00013629	0.020907
5151	471863.09	3864877.25	0.00108	0.00089	0.00067	0.00097	0.00109	0.00115	0.00087	0.00089	0.01993722	3.78681E-05	1.607E-09	9.04E-05	0.0009043	0.0002862	0.000142	0.00013942	0.021259
5152	472363.09	3864877.25	0.00109	0.0009	0.00067	0.00099	0.00107	0.00117	0.00088	0.0009	0.02012183	3.82936E-05	1.607E-09	9.226E-05	0.0008877	0.0002912	0.000144	0.00014099	0.021434
5153	472863.09	3864877.25	0.0011	0.00092	0.00068	0.00102	0.00106	0.00119	0.0009	0.00092	0.02030643	3.91446E-05	1.631E-09	9.506E-05	0.0008794	0.0002962	0.000147	0.00014412	0.021619
5154	473363.09	3864877.25	0.0011	0.00093	0.0007	0.00105	0.00107	0.00121	0.00091	0.00093	0.02030643	3.95701E-05	1.679E-09	9.786E-05	0.0008877	0.0003012	0.000149	0.00014569	0.021636
5155	473863.09	3864877.25	0.0011	0.00095	0.00073	0.00108	0.00111	0.00123	0.00092	0.00095	0.02030643	4.0421E-05	1.751E-09	0.0001007	0.0009209	0.0003061	0.00015	0.00014882	0.021676
5156	474363.09	3864877.25	0.0011	0.00096	0.00076	0.00111	0.00117	0.00125	0.00093	0.00096	0.02030643	4.08465E-05	1.823E-09	0.0001034	0.0009707	0.0003111	0.000152	0.00015039	0.021734
5157	474863.09	3864877.25	0.0011	0.00097	0.00077	0.00113	0.00123	0.00128	0.00095	0.00097	0.02030643	4.1272E-05	1.847E-09	0.0001053	0.0010205	0.0003186	0.000155	0.00015195	0.021795
5158	475363.09	3864877.25	0.0011	0.00099	0.00078	0.00115	0.0013	0.00131	0.00096	0.00099	0.02030643	4.2123E-05	1.871E-09	0.0001072	0.0010786	0.0003261	0.000157	0.00015508	0.021862
5159	475863.09	3864877.25	0.0011	0.00101	0.0008	0.00117	0.00136	0.00135	0.00098	0.00101	0.02030643	4.29739E-05	1.919E-09	0.000109	0.0011283	0.000336	0.00016	0.00015822	0.021925
5160	476363.09	3864877.25	0.00112	0.00103	0.00082	0.00119	0.0014	0.00139	0.00099	0.00103	0.02067564	4.38249E-05	1.967E-09	0.0001109	0.0011615	0.000346	0.000162	0.00016135	0.022338
5161	476863.09	3864877.25	0.00114	0.00104	0.00086	0.00122	0.00141	0.00143	0.00101	0.00104	0.02104485	4.42504E-05	2.063E-09	0.0001137	0.0011698	0.0003559	0.000165	0.00016292	0.02273
5162	477363.09	3864877.25	0.00116	0.00106	0.00086	0.00125	0.00139	0.00146	0.00103	0.00106	0.02141406	4.51014E-05	2.063E-09	0.0001165	0.0011532	0.0003634	0.000168	0.00016605	0.023094
5163	477863.09	3864877.25	0.00117	0.00108	0.00086	0.00129	0.00139	0.00149	0.00104	0.00108	0.02159866	4.59523E-05	2.063E-09	0.0001202	0.0011532	0.0003709	0.00017	0.00016918	0.023289
5164	478363.09	3864877.25	0.00117	0.00109	0.0009	0.00133	0.00141	0.00151	0.00106	0.00109	0.02159866	4.63778E-05	2.159E-09	0.000124	0.0011698	0.0003758	0.000173	0.00017075	0.023317
5165	478863.09	3864877.25	0.00117	0.00111	0.00095	0.00138	0.0014	0.00152	0.00108	0.00111	0.02159866	4.72288E-05	2.278E-09	0.0001286	0.0011615	0.0003783	0.000176	0.00017388	0.023317
5166	479363.09	3864877.25	0.00116	0.00113	0.00097	0.00142	0.00132	0.00155	0.0011	0.00113	0.02141406	4.80798E-05	2.326E-09	0.0001323	0.0010951	0.0003858	0.00018	0.00017702	0.023078
5167	479863.09	3864877.25	0.00114	0.00115	0.00097	0.00146	0.00119	0.00157	0.00112	0.00115	0.02104485	4.89307E-05	2.326E-09	0.0001361	0.0009873	0.0003908	0.000183	0.00018015	0.022611
5168	480363.09	3864877.25	0.00112	0.00117	0.00094	0.00149	0.00107	0.00159	0.00114	0.00117	0.02067564	4.97817E-05	2.254E-09	0.0001389	0.0008877	0.0003957	0.000186	0.00018328	0.022151
5169	480863.09	3864877.25	0.00108	0.00119	0.00085	0.0015	0.00097	0.00161	0.00116	0.00119	0.01993722	5.06327E-05	2.039E-09	0.0001398	0.0008048	0.0004007	0.000189	0.00018641	0.021336
5170	481363.09	3864877.25	0.00107	0.00123	0.00084	0.00151	0.00093	0.00165	0.00119	0.00123	0.01975262	5.23346E-05	2.015E-09	0.0001407	0.0007716	0.0004107	0.000194	0.00019268	0.02113
5171	481863.09	3864877.25	0.00107	0.00126	0.0009	0.00155	0.00096	0.0017	0.00122	0.00126	0.01975262	5.36111E-05	2.159E-09	0.0001445	0.0007965	0.0004231	0.000199	0.00019738	0.021172
5172	482363.09	3864877.25	0.00107	0.00128	0.00094	0.00161	0.00109	0.00174	0.00124	0.00128	0.01975262	5.4462E-05	2.254E-09	0.00015	0.0009043	0.0004331	0.000202	0.00020051	0.021296
5173	482863.09	3864877.25	0.00106	0.0013	0.00102	0.00165	0.00126	0.00176	0.00127	0.0013	0.01956802	5.5313E-05	2.446E-09	0.0001538	0.0010454	0.0004381	0.000207	0.00020365	0.021264
5174	483363.09	3864877.25	0.00103	0.00133	0.00112	0.00166	0.00132	0.00177	0.00129	0.00133	0.0190142	5.65894E-05	2.686E-09	0.0001547	0.0010951	0.0004405	0.000211	0.00020835	0.020763
5175	483863.09	3864877.25	0.00098	0.00135	0.00111	0.00167	0.00117	0.00176	0.00132	0.00135	0.01809119	5.74404E-05	2.662E-09	0.0001556	0.0009707	0.0004381	0.000215	0.00021148	0.019717
5176	484363.09	3864877.25	0.00093	0.00137	0.00097	0.0017	0.00091	0.00176	0.00135	0.00137	0.01716817	5.82914E-05	2.326E-09	0.0001584	0.000755	0.0004381	0.00022	0.00021461	0.018584
5177	484863.09	3864877.25	0.00089	0.0014	0.00088	0.00174	0.00076	0.00177	0.00138	0.0014	0.01642975	5.95678E-05	2.111E-09	0.0001622	0.0006305	0.0004405	0.000225	0.00021931	0.017729
5178	485363.09	3864877.25	0.00087	0.00144	0.00085	0.00181	0.00073	0.00181	0.00141	0.00144	0.01606054	6.12698E-05	2.039E-09	0.0001687	0.0006056	0.0004505	0.00023	0.00022558	0.017351
5179	485863.09	3864877.25	0.00083	0.00146	0.00085	0.00188	0.00063	0.00183	0.00144	0.00146	0.01532213	6.21207E-05	2.039E-09	0.0001752	0.0005227	0.0004555	0.000235	0.00022871	0.016544
5180	486363.09	3864877.25	0.00078	0.00148	0.00103	0.00195	0.00072	0.00179	0.00146	0.00148	0.01439911	6.29717E-05	2.47E-09	0.0001817	0.0005974	0.0004455	0.000238	0.00023184	0.015693
5181	486863.09	3864877.25	0.00071	0.0015	0.00104	0.00203	0.00111	0.00179	0.00149	0.0015	0.01310688	6.38227E-05	2.494E-09	0.0001892	0.0009209	0.0004455	0.000243	0.00023498	0.014735
5182	487363.09	3864877.25	0.0007	0.00153	0.0009	0.00211	0.00105	0.00176	0.00152	0.00153	0.01292228	6.50991E-05	2.159E-09	0.0001966	0.0008711	0.0004381	0.000248	0.00023968	0.014502
5183	487863.09	3864877.25	0.00072	0.00157	0.00085	0.0021	0.00071	0.00177	0.00155	0.00157	0.01329148	6.68011E-05	2.039E-09	0.0001957	0.0005891	0.0004405	0.000253	0.00024594	0.014591

5184	488363.09	3864877.25	0.00075	0.00162	0.0008	0.0021	0.00055	0.00172	0.00159	0.00162	0.01384529	6.89285E-05	1.919E-09	0.0001957	0.0004563	0.0004281	0.00026	0.00025377	0.015
5185	488863.09	3864877.25	0.00079	0.00166	0.00089	0.00217	0.00045	0.00171	0.00162	0.00166	0.01458371	7.06304E-05	2.135E-09	0.0002022	0.0003733	0.0004256	0.000264	0.00026004	0.01566
5186	489363.09	3864877.25	0.00085	0.0017	0.00095	0.00188	0.00055	0.00171	0.00164	0.0017	0.01569133	7.23324E-05	2.278E-09	0.0001752	0.0004563	0.0004256	0.000268	0.00026631	0.016822
5187	489863.09	3864877.25	0.00097	0.00173	0.00081	0.00174	0.00061	0.00178	0.00167	0.00173	0.01790658	7.36088E-05	1.943E-09	0.0001622	0.0005061	0.000443	0.000273	0.00027101	0.019093
5188	490363.09	3864877.25	0.00113	0.00177	0.00078	0.00187	0.00045	0.00188	0.00171	0.00177	0.02086024	7.53108E-05	1.871E-09	0.0001743	0.0003733	0.0004679	0.000279	0.00027727	0.021953
5189	490863.09	3864877.25	0.00141	0.00154	0.00083	0.00175	0.00052	0.00199	0.00147	0.00154	0.02602915	6.55246E-05	1.991E-09	0.0001631	0.0004314	0.0004953	0.00024	0.00024124	0.027183
5190	491363.09	3864877.25	0.00143	0.00173	0.00082	0.0019	0.00092	0.00211	0.0017	0.00173	0.02639836	7.36088E-05	1.967E-09	0.0001771	0.0007633	0.0005252	0.000277	0.00027101	0.027944
5191	491863.09	3864877.25	0.00145	0.00149	0.00069	0.00175	0.00148	0.0019	0.00148	0.00149	0.02676757	6.33972E-05	1.655E-09	0.0001631	0.0012279	0.0004729	0.000242	0.00023341	0.028703
5192	492363.09	3864877.25	0.001	0.00091	0.00054	0.0011	0.00084	0.00114	0.00096	0.00091	0.01846039	3.87191E-05	1.295E-09	0.0001025	0.0006969	0.0002837	0.000157	0.00014255	0.019596
5193	492863.09	3864877.25	0.00106	0.00097	0.00055	0.00124	0.00112	0.00122	0.00105	0.00097	0.01956802	4.1272E-05	1.319E-09	0.0001156	0.0009292	0.0003037	0.000171	0.00015195	0.020977
5194	493363.09	3864877.25	0.00099	0.00096	0.00056	0.00121	0.00108	0.00116	0.001	0.00096	0.01827579	4.08465E-05	1.343E-09	0.0001128	0.000896	0.0002887	0.000163	0.00015039	0.019627
5195	493863.09	3864877.25	0.00115	0.00126	0.0008	0.00173	0.00141	0.0016	0.00127	0.00126	0.02122945	5.36111E-05	1.919E-09	0.0001612	0.0011698	0.0003982	0.000207	0.00019738	0.023022
5196	494363.09	3864877.25	0.00115	0.00146	0.00084	0.00185	0.0011	0.00171	0.00141	0.00146	0.02122945	6.21207E-05	2.015E-09	0.0001724	0.0009126	0.0004256	0.00023	0.00022871	0.022804
5197	494863.09	3864877.25	0.00115	0.00153	0.00087	0.0018	0.00093	0.00169	0.00147	0.00153	0.02122945	6.50991E-05	2.087E-09	0.0001678	0.0007716	0.0004206	0.00024	0.00023968	0.022655
5198	495363.09	3864877.25	0.00116	0.00157	0.00089	0.00184	0.00092	0.00171	0.00156	0.00157	0.02141406	6.68011E-05	2.135E-09	0.0001715	0.0007633	0.0004256	0.000255	0.00024594	0.02285
5199	495863.09	3864877.25	0.00114	0.00167	0.00088	0.00194	0.00102	0.00176	0.00168	0.00167	0.02104485	7.10559E-05	2.111E-09	0.0001808	0.0008462	0.0004381	0.000274	0.00026161	0.022594
5200	496363.09	3864877.25	0.00117	0.00158	0.00081	0.00192	0.00111	0.00175	0.0016	0.00158	0.02159866	6.72266E-05	1.943E-09	0.0001789	0.0009209	0.0004356	0.000261	0.00024751	0.023215
5201	496863.09	3864877.25	0.00117	0.00162	0.00076	0.00185	0.00108	0.00172	0.0016	0.00162	0.02159866	6.89285E-05	1.823E-09	0.0001724	0.000896	0.0004281	0.000261	0.00025377	0.023172
5202	497363.09	3864877.25	0.00118	0.00168	0.00078	0.0018	0.001	0.00171	0.00164	0.00168	0.02178326	7.14814E-05	1.871E-09	0.0001678	0.0008297	0.0004256	0.000268	0.00026317	0.023282
5203	497863.09	3864877.25	0.0012	0.00175	0.00083	0.00179	0.00098	0.00171	0.0017	0.00175	0.02215247	7.44598E-05	1.991E-09	0.0001668	0.0008131	0.0004256	0.000277	0.00027414	0.023636
5204	498363.09	3864877.25	0.00119	0.00189	0.00088	0.0018	0.00102	0.00171	0.00185	0.00189	0.02196787	8.04166E-05	2.111E-09	0.0001678	0.0008462	0.0004256	0.000302	0.00029607	0.023494
5205	471363.09	3865377.25	0.00101	0.00085	0.00063	0.00093	0.00098	0.00109	0.00083	0.00085	0.018645	3.61662E-05	1.511E-09	8.667E-05	0.0008131	0.0002713	0.000135	0.00013315	0.019855
5206	471863.09	3865377.25	0.00102	0.00086	0.00063	0.00095	0.00097	0.0011	0.00084	0.00086	0.0188296	3.65917E-05	1.511E-09	8.854E-05	0.0008048	0.0002738	0.000137	0.00013472	0.020036
5207	472363.09	3865377.25	0.00102	0.00087	0.00065	0.00098	0.00098	0.00111	0.00085	0.00087	0.0188296	3.70172E-05	1.559E-09	9.133E-05	0.0008131	0.0002763	0.000139	0.00013629	0.02005
5208	472863.09	3865377.25	0.00103	0.00089	0.00067	0.001	0.00102	0.00113	0.00087	0.00089	0.0190142	3.78681E-05	1.607E-09	9.32E-05	0.0008462	0.0002813	0.000142	0.00013942	0.020275
5209	473363.09	3865377.25	0.00102	0.0009	0.00071	0.00102	0.00106	0.00115	0.00088	0.0009	0.0188296	3.82936E-05	1.703E-09	9.506E-05	0.0008794	0.0002862	0.000144	0.00014099	0.020131
5210	473863.09	3865377.25	0.00102	0.00091	0.00073	0.00104	0.00111	0.00117	0.00089	0.00091	0.0188296	3.87191E-05	1.751E-09	9.692E-05	0.0009209	0.0002912	0.000145	0.00014255	0.02018
5211	474363.09	3865377.25	0.00102	0.00093	0.00074	0.00105	0.00117	0.0012	0.0009	0.00093	0.0188296	3.95701E-05	1.775E-09	9.786E-05	0.0009707	0.0002987	0.000147	0.00014569	0.020238
5212	474863.09	3865377.25	0.00102	0.00094	0.00074	0.00107	0.00123	0.00122	0.00091	0.00094	0.0188296	3.99956E-05	1.775E-09	9.972E-05	0.0010205	0.0003037	0.000149	0.00014725	0.020295
5213	475363.09	3865377.25	0.00102	0.00096	0.00074	0.00108	0.00127	0.00125	0.00093	0.00096	0.0188296	4.08465E-05	1.775E-09	0.0001007	0.0010537	0.0003111	0.000152	0.00015039	0.020337
5214	475863.09	3865377.25	0.00103	0.00097	0.00075	0.0011	0.00129	0.00129	0.00094	0.00097	0.0190142	4.1272E-05	1.799E-09	0.0001025	0.0010703	0.0003211	0.000153	0.00015195	0.020551
5215	476363.09	3865377.25	0.00107	0.00099	0.00078	0.00114	0.00131	0.00131	0.00096	0.00099	0.01975262	4.2123E-05	1.871E-09	0.0001062	0.0010868	0.0003261	0.000157	0.00015508	0.021316
5216	476863.09	3865377.25	0.00113	0.00096	0.00074	0.00115	0.00129	0.0013	0.00095	0.00096	0.02086024	4.08465E-05	1.775E-09	0.0001072	0.0010703	0.0003236	0.000155	0.00015039	0.022407
5217	477363.09	3865377.25	0.00109	0.00102	0.00078	0.00122	0.0013	0.00137	0.00099	0.00102	0.02012183	4.33994E-05	1.871E-09	0.0001137	0.0010786	0.000341	0.000162	0.00015978	0.0217
5218	477863.09	3865377.25	0.00108	0.00104	0.00082	0.00125	0.0013	0.00139	0.00101	0.00104	0.01993722	4.42504E-05	1.967E-09	0.0001165	0.0010786	0.000346	0.000165	0.00016292	0.021524
5219	478363.09	3865377.25	0.00108	0.00105	0.00088	0.00128	0.00129	0.00141	0.00102	0.00105	0.01993722	4.46759E-05	2.111E-09	0.0001193	0.0010703	0.0003509	0.000166	0.00016448	0.021524
5220	478863.09	3865377.25	0.00106	0.00107	0.0009	0.00131	0.00121	0.00143	0.00104	0.00107	0.01956802	4.55268E-05	2.159E-09	0.0001221	0.0010039	0.0003559	0.00017	0.00016762	0.021098
5221	479363.09	3865377.25	0.00105	0.00108	0.00088	0.00134	0.00108	0.00145	0.00106	0.00108	0.01938341	4.59523E-05	2.111E-09	0.0001249	0.000896	0.0003609	0.000173	0.00016918	0.020815
5222	479863.09	3865377.25	0.00103	0.0011	0.00087	0.00136	0.00097	0.00147	0.00107	0.0011	0.0190142	4.68033E-05	2.087E-09	0.0001267	0.0008048	0.0003659	0.000175	0.00017232	0.020361
5223	480363.09	3865377.25	0.00099	0.00112	0.00081	0.00136	0.00088	0.00148	0.00109	0.00112	0.01827579	4.76543E-05	1.943E-09	0.0001267	0.0007301	0.0003684	0.000178	0.00017545	0.019551
5224	480863.09	3865377.25	0.00096	0.00114	0.00075	0.00137	0.00084	0.00149	0.00111	0.00114	0.01772198	4.85052E-05	1.799E-09	0.0001277	0.0006969	0.0003709	0.000181	0.00017858	0.018969
5225	481363.09	3865377.25	0.00095	0.00117	0.00078	0.0014	0.00086	0.00153	0.00113	0.00117	0.01753737	4.97817E-05	1.871E-09	0.0001305	0.0007135	0.0003808	0.000184	0.00018328	0.018813
5226	481863.09	3865377.25	0.00095	0.00119	0.00086	0.00145	0.00094	0.00156	0.00115	0.00119	0.01753737	5.06327E-05	2.063E-09	0.0001351	0.0007799	0.0003883	0.000188	0.00018641	0.018893
5227	482363.09	3865377.25	0.00095	0.0012	0.00095	0.00149	0.00109	0.00158	0.00117	0.0012	0.01753737	5.10581E-05	2.278E-09	0.0001389	0.0009043	0.0003933	0.000191	0.00018798	0.019028
5228	482863.09	3865377.25	0.00094	0.00122	0.00099	0.00149	0.0012	0.00159	0.00119	0.00122	0.01735277	5.19091E-05	2.374E-09	0.0001389	0.0009956	0.0003957	0.000194	0.00019111	0.018938
5229	483363.09	3865377.25	0.00091	0.00124	0.00101	0.00149	0.00115	0.00159	0.00121	0.00124	0.01679896	5.27601E-05	2.422E-09	0.0001389	0.0009541	0.0003957	0.000198	0.00019425	0.018344
5230	483863.09	3865377.25	0.00087	0.00126	0.00097	0.00151	0.00095	0.0016	0.00123	0.00126	0.01606054	5.36111E-05	2.326E-09	0.0001407	0.0007882	0.0003982	0.000201	0.00019738	0.017445
5231	484363.09	3865377.25	0.00083	0.00127	0.00084	0.00153	0.00074	0.00162	0.00125	0.00127	0.01532213	5.40365E-05	2.015E-09	0.0001426	0.0006139	0.0004032	0.000204	0.00019895	0.016541
5232	484863.09	3865377.25	0.0008	0.0013	0.0008	0.00158	0.00067	0.00163	0.00128	0.0013	0.01476831	5.5313E-05	1.919E-09	0.0001472	0.0005559	0.0004057	0.000209	0.00020365	0.015938
5233	485363.09	3865377.25	0.00076	0.00132	0.00078	0.00163	0.00065	0.00166	0.0013	0.00132	0.0140299	5.6164E-05	1.871E-09	0.0001519	0.0005393	0.0004132	0.000212	0.00020678	0.015196
5234	485863.09	3865377.25	0.00073	0.00135	0.00084	0.00169	0.00054	0.00166	0.00133	0.00135	0.01347609	5.74404E-05	2.015E-09	0.0001575	0.000448	0.0004132	0.000217	0.00021148	0.014558
5235	486363.09	3865377.25	0.00069	0.00136	0.00096	0.00176	0.00071	0.00162	0.00135	0.00136	0.01273767	5.78659E-05	2.302E-09	0.000164	0.0005891	0.0004032	0.00022	0.00021305	0.013959
5236	486863.09	3865377.25	0.00063	0.00138	0.00092	0.0018	0.00108	0.00162	0.00136	0.00138	0.01163005	5.87169E-05	2.206E-09	0.0001678	0.000896	0.0004032	0.000222	0.00021618	0.013162
5237	487363.09	3865377.25	0.00062	0.0014	0.0008	0.00181	0.00095	0.00158	0.00138	0.0014	0.01144544	5.95678E-05	1.919E-09	0.0001687	0.0007882	0.0003933	0.000225	0.00021931	0.012861
5238	487863.09	3865377.25	0.00063	0.00142	0.00076	0.00179	0.00064	0.00159	0.00141	0.00142	0.01163005	6.04188E-05	1.823E-09	0.0001668	0.000531	0.0003957	0.00023	0.00022244	0.012792
5239	488363.09	3865377.25	0.00065	0.00145	0.00071	0.00171	0.00051	0.00154	0.00143	0.00145	0.01199926	6.16953E-05	1.703E-09	0.0001594	0.0004231	0.0003833	0.000233	0.00022714	0.013033
5240	488863.09	3865377.25	0.00068	0.0015	0.00083	0.00188	0.0004	0.00151	0.00146	0.0015	0.01255307	6.38227E-05	1.991E-09	0.0001752	0.0003319	0.0003758	0.000238	0.00023498	0.013503

5241	489363.09	3865377.25	0.00074	0.00154	0.00089	0.0016	0.00047	0.00152	0.0015	0.00154	0.01366069	6.55246E-05	2.135E-09	0.0001491	0.0003899	0.0003783	0.000245	0.00024124	0.014647
5242	489863.09	3865377.25	0.00083	0.00157	0.00077	0.00146	0.00058	0.00158	0.00152	0.00157	0.01532213	6.68011E-05	1.847E-09	0.0001361	0.0004812	0.0003933	0.000248	0.00024594	0.016402
5243	490363.09	3865377.25	0.00103	0.00141	0.00066	0.00146	0.00048	0.00164	0.00137	0.00141	0.0190142	5.99933E-05	1.583E-09	0.0001361	0.0003982	0.0004082	0.000224	0.00022088	0.020019
5244	490863.09	3865377.25	0.00121	0.00137	0.00071	0.00148	0.00041	0.00175	0.00131	0.00137	0.02233708	5.82914E-05	1.703E-09	0.0001379	0.0003402	0.0004356	0.000214	0.00021461	0.023308
5245	491363.09	3865377.25	0.00135	0.00134	0.00075	0.00144	0.00064	0.0018	0.00129	0.00134	0.02492153	5.70149E-05	1.799E-09	0.0001342	0.000531	0.000448	0.000211	0.00020991	0.026092
5246	491863.09	3865377.25	0.00137	0.00134	0.00063	0.00148	0.00111	0.00178	0.00132	0.00134	0.02529074	5.70149E-05	1.511E-09	0.0001379	0.0009209	0.000443	0.000215	0.00020991	0.026855
5247	492363.09	3865377.25	0.00132	0.00113	0.00061	0.00136	0.00152	0.00147	0.00116	0.00113	0.02436772	4.80798E-05	1.463E-09	0.0001267	0.0012611	0.0003659	0.000189	0.00017702	0.026182
5248	492863.09	3865377.25	0.00112	0.00095	0.00061	0.00119	0.00134	0.00122	0.00102	0.00095	0.02067564	4.0421E-05	1.463E-09	0.0001109	0.0011117	0.0003037	0.000166	0.00014882	0.02226
5249	493363.09	3865377.25	0.00091	0.00087	0.0005	0.00108	0.00097	0.00105	0.00093	0.00087	0.01679896	3.70172E-05	1.199E-09	0.0001007	0.0008048	0.0002613	0.000152	0.00013629	0.018018
5250	493863.09	3865377.25	0.00099	0.00098	0.00061	0.00134	0.0013	0.00128	0.00103	0.00098	0.01827579	4.16975E-05	1.463E-09	0.0001249	0.0010786	0.0003186	0.000168	0.00015352	0.019854
5251	494363.09	3865377.25	0.00102	0.00113	0.00074	0.00154	0.00124	0.00145	0.00114	0.00113	0.0188296	4.80798E-05	1.775E-09	0.0001435	0.0010288	0.0003609	0.000186	0.00017702	0.02042
5252	494863.09	3865377.25	0.00102	0.00125	0.00076	0.00156	0.00096	0.00151	0.00121	0.00125	0.0188296	5.31856E-05	1.823E-09	0.0001454	0.0007965	0.0003758	0.000198	0.00019581	0.020202
5253	495363.09	3865377.25	0.00103	0.00131	0.00079	0.00153	0.00083	0.00151	0.00125	0.00131	0.0190142	5.57385E-05	1.895E-09	0.0001426	0.0006886	0.0003758	0.000204	0.00020521	0.020276
5254	495863.09	3865377.25	0.00103	0.00139	0.00082	0.00158	0.00083	0.00154	0.00138	0.00139	0.0190142	5.91424E-05	1.967E-09	0.0001472	0.0006886	0.0003833	0.000225	0.00021775	0.0203
5255	496363.09	3865377.25	0.00104	0.00129	0.00079	0.00161	0.00094	0.00154	0.00132	0.00129	0.01919881	5.48875E-05	1.895E-09	0.00015	0.0007799	0.0003833	0.000215	0.00020208	0.02058
5256	496863.09	3865377.25	0.00106	0.00125	0.00074	0.00162	0.00102	0.00154	0.00129	0.00125	0.01956802	5.31856E-05	1.775E-09	0.000151	0.0008462	0.0003833	0.000211	0.00019581	0.021016
5257	497363.09	3865377.25	0.00106	0.00138	0.00069	0.00158	0.00099	0.00155	0.00137	0.00138	0.01956802	5.87169E-05	1.655E-09	0.0001472	0.0008214	0.0003858	0.000224	0.00021618	0.020989
5258	497863.09	3865377.25	0.00107	0.00142	0.00068	0.00153	0.00093	0.00154	0.00138	0.00142	0.01975262	6.04188E-05	1.631E-09	0.0001426	0.0007716	0.0003833	0.000225	0.00022244	0.021113
5259	498363.09	3865377.25	0.00109	0.00139	0.0007	0.00151	0.00089	0.00152	0.00135	0.00139	0.02012183	5.91424E-05	1.679E-09	0.0001407	0.0007384	0.0003783	0.00022	0.00021775	0.021441
5260	471363.09	3865877.25	0.00095	0.00082	0.00061	0.00091	0.00091	0.00103	0.0008	0.00082	0.01753737	3.48897E-05	1.463E-09	8.481E-05	0.000755	0.0002564	0.000131	0.00012845	0.018671
5261	471863.09	3865877.25	0.00095	0.00084	0.00063	0.00093	0.00093	0.00105	0.00082	0.00084	0.01753737	3.57407E-05	1.511E-09	8.667E-05	0.0007716	0.0002613	0.000134	0.00013159	0.018695
5262	472363.09	3865877.25	0.00096	0.00085	0.00065	0.00095	0.00098	0.00106	0.00083	0.00085	0.01772198	3.61662E-05	1.559E-09	8.854E-05	0.0008131	0.0002638	0.000135	0.00013315	0.018926
5263	472863.09	3865877.25	0.00095	0.00086	0.00068	0.00096	0.00102	0.00108	0.00084	0.00086	0.01753737	3.65917E-05	1.631E-09	8.947E-05	0.0008462	0.0002688	0.000137	0.00013472	0.018781
5264	473363.09	3865877.25	0.00095	0.00087	0.00069	0.00097	0.00107	0.0011	0.00085	0.00087	0.01753737	3.70172E-05	1.655E-09	9.04E-05	0.0008877	0.0002738	0.000139	0.00013629	0.018829
5265	473863.09	3865877.25	0.00095	0.00089	0.0007	0.00098	0.00112	0.00112	0.00086	0.00089	0.01753737	3.78681E-05	1.679E-09	9.133E-05	0.0009292	0.0002788	0.00014	0.00013942	0.018876
5266	474363.09	3865877.25	0.00095	0.0009	0.00069	0.00099	0.00116	0.00114	0.00088	0.0009	0.01753737	3.82936E-05	1.655E-09	9.226E-05	0.0009624	0.0002837	0.000144	0.00014099	0.018917
5267	474863.09	3865877.25	0.00096	0.00092	0.00069	0.00101	0.00119	0.00117	0.00089	0.00092	0.01772198	3.91446E-05	1.655E-09	9.413E-05	0.0009873	0.0002912	0.000145	0.00014412	0.019135
5268	475363.09	3865877.25	0.00096	0.00093	0.00069	0.00103	0.00119	0.00119	0.0009	0.00093	0.01772198	3.95701E-05	1.655E-09	9.599E-05	0.0009873	0.0002962	0.000147	0.00014569	0.019142
5269	475863.09	3865877.25	0.00097	0.00095	0.00071	0.00106	0.00117	0.00122	0.00092	0.00095	0.01790658	4.0421E-05	1.703E-09	9.879E-05	0.0009707	0.0003037	0.00015	0.00014882	0.019321
5270	476363.09	3865877.25	0.00102	0.00095	0.0007	0.00111	0.00121	0.00124	0.00093	0.00095	0.0188296	4.0421E-05	1.679E-09	0.0001034	0.0010039	0.0003086	0.000152	0.00014882	0.020289
5271	476863.09	3865877.25	0.00106	0.00093	0.00066	0.00112	0.0012	0.00123	0.00092	0.00093	0.01956802	3.95701E-05	1.583E-09	0.0001044	0.0009956	0.0003061	0.00015	0.00014569	0.021018
5272	477363.09	3865877.25	0.00102	0.00099	0.00074	0.00118	0.00124	0.00129	0.00096	0.00099	0.0188296	4.2123E-05	1.775E-09	0.00011	0.0010288	0.0003211	0.000157	0.00015508	0.020333
5273	477863.09	3865877.25	0.001	0.001	0.00082	0.0012	0.00119	0.00132	0.00098	0.001	0.01846039	4.25485E-05	1.967E-09	0.0001118	0.0009873	0.0003285	0.00016	0.00015665	0.019934
5274	478363.09	3865877.25	0.00099	0.00101	0.00084	0.00122	0.00111	0.00134	0.00099	0.00101	0.01827579	4.29739E-05	2.015E-09	0.0001137	0.0009209	0.0003335	0.000162	0.00015822	0.01969
5275	478863.09	3865877.25	0.00097	0.00102	0.00082	0.00124	0.00099	0.00135	0.001	0.00102	0.01790658	4.33994E-05	1.967E-09	0.0001156	0.0008214	0.000336	0.000163	0.00015978	0.019226
5276	479363.09	3865877.25	0.00095	0.00103	0.00079	0.00125	0.00089	0.00136	0.00101	0.00103	0.01753737	4.38249E-05	1.895E-09	0.0001165	0.0007384	0.0003385	0.000165	0.00016135	0.018778
5277	479863.09	3865877.25	0.00092	0.00104	0.00077	0.00125	0.00081	0.00137	0.00102	0.00104	0.01698356	4.42504E-05	1.847E-09	0.0001165	0.000672	0.000341	0.000166	0.00016292	0.018161
5278	480363.09	3865877.25	0.00089	0.00106	0.00072	0.00127	0.00077	0.00137	0.00103	0.00106	0.01642975	4.51014E-05	1.727E-09	0.0001184	0.0006388	0.000341	0.000168	0.00016605	0.017575
5279	480863.09	3865877.25	0.00086	0.00107	0.0007	0.00129	0.00077	0.00138	0.00105	0.00107	0.01587594	4.55268E-05	1.679E-09	0.0001202	0.0006388	0.0003435	0.000171	0.00016762	0.017028
5280	481363.09	3865877.25	0.00085	0.0011	0.00076	0.00132	0.00083	0.0014	0.00107	0.0011	0.01569133	4.68033E-05	1.823E-09	0.000123	0.0006886	0.0003485	0.000175	0.00017232	0.016901
5281	481863.09	3865877.25	0.00085	0.00111	0.00087	0.00134	0.00095	0.00143	0.00108	0.00111	0.01569133	4.72288E-05	2.087E-09	0.0001249	0.0007882	0.0003559	0.000176	0.00017388	0.01701
5282	482363.09	3865877.25	0.00085	0.00112	0.00092	0.00135	0.00108	0.00145	0.0011	0.00112	0.01569133	4.76543E-05	2.206E-09	0.0001258	0.000896	0.0003609	0.00018	0.00017545	0.017126
5283	482863.09	3865877.25	0.00083	0.00114	0.0009	0.00135	0.0011	0.00146	0.00111	0.00114	0.01532213	4.85052E-05	2.159E-09	0.0001258	0.0009126	0.0003634	0.000181	0.00017858	0.016775
5284	483363.09	3865877.25	0.00081	0.00116	0.00091	0.00135	0.00097	0.00147	0.00113	0.00116	0.01495292	4.93562E-05	2.182E-09	0.0001258	0.0008048	0.0003659	0.000184	0.00018172	0.016301
5285	483863.09	3865877.25	0.00078	0.00117	0.00086	0.00136	0.00076	0.00149	0.00115	0.00117	0.01439911	4.97817E-05	2.063E-09	0.0001267	0.0006305	0.0003709	0.000188	0.00018328	0.015581
5286	484363.09	3865877.25	0.00075	0.00119	0.00077	0.0014	0.00062	0.0015	0.00117	0.00119	0.01384529	5.06327E-05	1.847E-09	0.0001305	0.0005144	0.0003733	0.000191	0.00018641	0.014919
5287	484863.09	3865877.25	0.00071	0.00121	0.00075	0.00145	0.00062	0.0015	0.00119	0.00121	0.01310688	5.14836E-05	1.799E-09	0.0001351	0.0005144	0.0003733	0.000194	0.00018955	0.014186
5288	485363.09	3865877.25	0.00067	0.00122	0.00076	0.00149	0.00057	0.00151	0.00121	0.00122	0.01236846	5.19091E-05	1.823E-09	0.0001389	0.0004729	0.0003758	0.000198	0.00019111	0.013414
5289	485863.09	3865877.25	0.00065	0.00124	0.0008	0.00155	0.00048	0.00149	0.00122	0.00124	0.01199926	5.27601E-05	1.919E-09	0.0001445	0.0003982	0.0003709	0.000199	0.00019425	0.01297
5290	486363.09	3865877.25	0.00061	0.00125	0.00087	0.00159	0.00072	0.00147	0.00123	0.00125	0.01126084	5.31856E-05	2.087E-09	0.0001482	0.0005974	0.0003659	0.000201	0.00019581	0.01243
5291	486863.09	3865877.25	0.00058	0.00126	0.00082	0.00159	0.00103	0.00147	0.00125	0.00126	0.01070703	5.36111E-05	1.967E-09	0.0001482	0.0008545	0.0003659	0.000204	0.00019738	0.012136
5292	487363.09	3865877.25	0.00057	0.00128	0.00072	0.0016	0.00087	0.00145	0.00127	0.00128	0.01052242	5.4462E-05	1.727E-09	0.0001491	0.0007218	0.0003609	0.000207	0.00020051	0.011815
5293	487863.09	3865877.25	0.00056	0.00131	0.00069	0.00151	0.00059	0.00143	0.0013	0.00131	0.01033782	5.57385E-05	1.655E-09	0.0001407	0.0004895	0.0003559	0.000212	0.00020521	0.011387
5294	488363.09	3865877.25	0.00056	0.00134	0.00063	0.00149	0.00048	0.00137	0.00133	0.00134	0.01033782	5.70149E-05	1.511E-09	0.0001389	0.0003982	0.000341	0.000217	0.00020991	0.01128
5295	488863.09	3865877.25	0.00059	0.00138	0.00077	0.00166	0.00037	0.00136	0.00135	0.00138	0.01089163	5.87169E-05	1.847E-09	0.0001547	0.000307	0.0003385	0.00022	0.00021618	0.011755
5296	489363.09	3865877.25	0.00064	0.00141	0.00084	0.00141	0.00041	0.00138	0.00137	0.00141	0.01181465	5.99933E-05	2.015E-09	0.0001314	0.0003402	0.0003435	0.000224	0.00022088	0.012692
5297	489863.09	3865877.25	0.00072	0.00142	0.00074	0.00129	0.00053	0.00142	0.00138	0.00142	0.01329148	6.04188E-05	1.775E-09	0.0001202	0.0004397	0.0003534	0.000225	0.00022244	0.014268

5298	490363.09	3865877.25	0.00085	0.00137	0.00065	0.00133	0.00049	0.00147	0.00133	0.00137	0.01569133	5.82914E-05	1.559E-09	0.000124	0.0004065	0.0003659	0.000217	0.00021461	0.016648
5299	490863.09	3865877.25	0.00102	0.00128	0.00061	0.00134	0.00036	0.00158	0.00123	0.00128	0.0188296	5.4462E-05	1.463E-09	0.0001249	0.0002987	0.0003933	0.000201	0.00020051	0.019701
5300	491363.09	3865877.25	0.00119	0.00119	0.0007	0.00124	0.0004	0.00158	0.00115	0.00119	0.02196787	5.06327E-05	1.679E-09	0.0001156	0.0003319	0.0003933	0.000188	0.00018641	0.02286
5301	491863.09	3865877.25	0.00127	0.00119	0.00061	0.00125	0.00075	0.00159	0.00116	0.00119	0.0234447	5.06327E-05	1.463E-09	0.0001165	0.0006222	0.0003957	0.000189	0.00018641	0.024633
5302	492363.09	3865877.25	0.00127	0.00112	0.00056	0.00128	0.00121	0.0015	0.00113	0.00112	0.0234447	4.76543E-05	1.343E-09	0.0001193	0.0010039	0.0003733	0.000184	0.00017545	0.024998
5303	492863.09	3865877.25	0.00115	0.00092	0.00058	0.00112	0.00132	0.00119	0.00097	0.00092	0.02122945	3.91446E-05	1.391E-09	0.0001044	0.0010951	0.0002962	0.000158	0.00014412	0.022779
5304	493363.09	3865877.25	0.00099	0.00088	0.00055	0.00113	0.00124	0.00111	0.00094	0.00088	0.01827579	3.74426E-05	1.319E-09	0.0001053	0.0010288	0.0002763	0.000153	0.00013785	0.019739
5305	493863.09	3865877.25	0.00093	0.00092	0.00055	0.00126	0.00118	0.00121	0.00098	0.00092	0.01716817	3.91446E-05	1.319E-09	0.0001174	0.000979	0.0003012	0.00016	0.00014412	0.018621
5306	494363.09	3865877.25	0.00093	0.00099	0.00064	0.00138	0.00127	0.00129	0.00104	0.00099	0.01716817	4.2123E-05	1.535E-09	0.0001286	0.0010537	0.0003211	0.00017	0.00015508	0.018728
5307	494863.09	3865877.25	0.00091	0.00113	0.0007	0.00146	0.00108	0.00138	0.00114	0.00113	0.01679896	4.80798E-05	1.679E-09	0.0001361	0.000896	0.0003435	0.000186	0.00017702	0.018232
5308	495363.09	3865877.25	0.00091	0.00117	0.0007	0.0014	0.00088	0.0014	0.00113	0.00117	0.01679896	4.97817E-05	1.679E-09	0.0001305	0.0007301	0.0003485	0.000184	0.00018328	0.018059
5309	495863.09	3865877.25	0.00093	0.00117	0.00073	0.00133	0.00075	0.00137	0.00112	0.00117	0.01716817	4.97817E-05	1.751E-09	0.000124	0.0006222	0.000341	0.000183	0.00018328	0.018305
5310	496363.09	3865877.25	0.00094	0.00112	0.00073	0.00131	0.00069	0.00132	0.00111	0.00112	0.01735277	4.76543E-05	1.751E-09	0.0001221	0.0005725	0.0003285	0.000181	0.00017545	0.018429
5311	496863.09	3865877.25	0.00095	0.00106	0.00071	0.00136	0.00083	0.00133	0.0011	0.00106	0.01753737	4.51014E-05	1.703E-09	0.0001267	0.0006886	0.000331	0.00018	0.00016605	0.018742
5312	497363.09	3865877.25	0.00096	0.00109	0.00068	0.00142	0.00093	0.00138	0.00113	0.00109	0.01772198	4.63778E-05	1.631E-09	0.0001323	0.0007716	0.0003435	0.000184	0.00017075	0.019029
5313	497863.09	3865877.25	0.00096	0.00114	0.00063	0.00138	0.00093	0.00139	0.00116	0.00114	0.01772198	4.85052E-05	1.511E-09	0.0001286	0.0007716	0.000346	0.000189	0.00017858	0.019027
5314	498363.09	3865877.25	0.00099	0.00107	0.00057	0.00127	0.00086	0.00136	0.00105	0.00107	0.01827579	4.55268E-05	1.367E-09	0.0001184	0.0007135	0.0003385	0.000171	0.00016762	0.019495
5315	471363.09	3866377.25	0.0009	0.0008	0.00061	0.00088	0.0009	0.00098	0.00079	0.0008	0.01661435	3.40388E-05	1.463E-09	8.201E-05	0.0007467	0.0002439	0.000129	0.00012532	0.017725
5316	471863.09	3866377.25	0.0009	0.00081	0.00063	0.0009	0.00094	0.001	0.0008	0.00081	0.01661435	3.44643E-05	1.511E-09	8.388E-05	0.0007799	0.0002489	0.000131	0.00012689	0.017765
5317	472363.09	3866377.25	0.0009	0.00083	0.00065	0.00091	0.00099	0.00101	0.00081	0.00083	0.01661435	3.53152E-05	1.559E-09	8.481E-05	0.0008214	0.0002514	0.000132	0.00013002	0.017809
5318	472863.09	3866377.25	0.00089	0.00084	0.00066	0.00091	0.00102	0.00103	0.00082	0.00084	0.01642975	3.57407E-05	1.583E-09	8.481E-05	0.0008462	0.0002564	0.000134	0.00013159	0.017655
5319	473363.09	3866377.25	0.00089	0.00085	0.00065	0.00092	0.00107	0.00105	0.00083	0.00085	0.01642975	3.61662E-05	1.559E-09	8.574E-05	0.0008877	0.0002613	0.000135	0.00013315	0.017703
5320	473863.09	3866377.25	0.00089	0.00087	0.00064	0.00093	0.0011	0.00107	0.00084	0.00087	0.01642975	3.70172E-05	1.535E-09	8.667E-05	0.0009126	0.0002663	0.000137	0.00013629	0.017733
5321	474363.09	3866377.25	0.00089	0.00088	0.00063	0.00095	0.00111	0.00109	0.00086	0.00088	0.01642975	3.74426E-05	1.511E-09	8.854E-05	0.0009209	0.0002713	0.00014	0.00013785	0.01775
5322	474863.09	3866377.25	0.00089	0.00089	0.00063	0.00097	0.0011	0.00112	0.00087	0.00089	0.01642975	3.78681E-05	1.511E-09	9.04E-05	0.0009126	0.0002788	0.000142	0.00013942	0.017752
5323	475363.09	3866377.25	0.00089	0.0009	0.00064	0.001	0.00107	0.00114	0.00088	0.0009	0.01642975	3.82936E-05	1.535E-09	9.32E-05	0.0008877	0.0002837	0.000144	0.00014099	0.017735
5324	475863.09	3866377.25	0.0009	0.00091	0.00066	0.00103	0.00107	0.00117	0.00089	0.00091	0.01661435	3.87191E-05	1.583E-09	9.599E-05	0.0008877	0.0002912	0.000145	0.00014255	0.017931
5325	476363.09	3866377.25	0.00094	0.00092	0.00067	0.00108	0.00114	0.00119	0.0009	0.00092	0.01735277	3.91446E-05	1.607E-09	0.0001007	0.0009458	0.0002962	0.000147	0.00014412	0.018737
5326	476863.09	3866377.25	0.00099	0.00087	0.00062	0.00109	0.00116	0.00117	0.00087	0.00087	0.01827579	3.70172E-05	1.487E-09	0.0001016	0.0009624	0.0002912	0.000142	0.00013629	0.019674
5327	477363.09	3866377.25	0.00097	0.00092	0.00073	0.00113	0.00116	0.00123	0.00091	0.00092	0.01790658	3.91446E-05	1.751E-09	0.0001053	0.0009624	0.0003061	0.000149	0.00014412	0.019324
5328	477863.09	3866377.25	0.00093	0.00096	0.0008	0.00115	0.00103	0.00126	0.00093	0.00096	0.01716817	4.08465E-05	1.919E-09	0.0001072	0.0008545	0.0003136	0.000152	0.00015039	0.018486
5329	478363.09	3866377.25	0.00091	0.00096	0.00077	0.00115	0.00091	0.00126	0.00094	0.00096	0.01679896	4.08465E-05	1.847E-09	0.0001072	0.000755	0.0003136	0.000153	0.00015039	0.018019
5330	478863.09	3866377.25	0.00089	0.00097	0.00074	0.00115	0.00082	0.00127	0.00095	0.00097	0.01642975	4.1272E-05	1.775E-09	0.0001072	0.0006803	0.0003161	0.000155	0.00015195	0.017578
5331	479363.09	3866377.25	0.00086	0.00098	0.00073	0.00116	0.00075	0.00127	0.00096	0.00098	0.01587594	4.16975E-05	1.751E-09	0.0001081	0.0006222	0.0003161	0.000157	0.00015352	0.016967
5332	479863.09	3866377.25	0.00083	0.00099	0.0007	0.00118	0.00072	0.00127	0.00097	0.00099	0.01532213	4.2123E-05	1.679E-09	0.00011	0.0005974	0.0003161	0.000158	0.00015508	0.016391
5333	480363.09	3866377.25	0.0008	0.001	0.00067	0.00121	0.00071	0.00126	0.00098	0.001	0.01476831	4.25485E-05	1.607E-09	0.0001128	0.0005891	0.0003136	0.00016	0.00015665	0.01583
5334	480863.09	3866377.25	0.00077	0.00102	0.00069	0.00122	0.00074	0.00127	0.00099	0.00102	0.0142145	4.33994E-05	1.655E-09	0.0001137	0.0006139	0.0003161	0.000162	0.00015978	0.015303
5335	481363.09	3866377.25	0.00077	0.00104	0.00078	0.00123	0.00084	0.0013	0.00101	0.00104	0.0142145	4.42504E-05	1.871E-09	0.0001146	0.0006969	0.0003236	0.000165	0.00016292	0.015396
5336	481863.09	3866377.25	0.00077	0.00105	0.00085	0.00122	0.00096	0.00133	0.00102	0.00105	0.0142145	4.46759E-05	2.039E-09	0.0001137	0.0007965	0.000331	0.000166	0.00016448	0.015502
5337	482363.09	3866377.25	0.00076	0.00106	0.00085	0.00122	0.00102	0.00135	0.00103	0.00106	0.0140299	4.51014E-05	2.039E-09	0.0001137	0.0008462	0.000336	0.000168	0.00016605	0.015373
5338	482863.09	3866377.25	0.00075	0.00107	0.00082	0.00122	0.00096	0.00136	0.00105	0.00107	0.01384529	4.55268E-05	1.967E-09	0.0001137	0.0007965	0.0003385	0.000171	0.00016762	0.015143
5339	483363.09	3866377.25	0.00074	0.00108	0.00082	0.00123	0.0008	0.00137	0.00106	0.00108	0.01366069	4.59523E-05	1.967E-09	0.0001146	0.0006637	0.000341	0.000173	0.00016918	0.01483
5340	483863.09	3866377.25	0.00072	0.0011	0.00077	0.00126	0.00062	0.00139	0.00108	0.0011	0.01329148	4.68033E-05	1.847E-09	0.0001174	0.0005144	0.000346	0.000176	0.00017232	0.01432
5341	484363.09	3866377.25	0.00068	0.0011	0.00072	0.0013	0.00056	0.00139	0.00109	0.0011	0.01255307	4.68033E-05	1.727E-09	0.0001212	0.0004646	0.000346	0.000178	0.00017232	0.013537
5342	484863.09	3866377.25	0.00064	0.00112	0.00072	0.00134	0.00058	0.00138	0.0011	0.00112	0.01181465	4.76543E-05	1.727E-09	0.0001249	0.0004812	0.0003435	0.00018	0.00017545	0.012816
5343	485363.09	3866377.25	0.00059	0.00113	0.00073	0.00138	0.00049	0.00136	0.00112	0.00113	0.01089163	4.80798E-05	1.751E-09	0.0001286	0.0004065	0.0003385	0.000183	0.00017702	0.011819
5344	485863.09	3866377.25	0.00058	0.00115	0.00075	0.00142	0.00045	0.00135	0.00114	0.00115	0.01070703	4.89307E-05	1.799E-09	0.0001323	0.0003733	0.000336	0.000186	0.00018015	0.011604
5345	486363.09	3866377.25	0.00056	0.00117	0.0008	0.00142	0.00073	0.00135	0.00116	0.00117	0.01033782	4.97817E-05	1.919E-09	0.0001323	0.0006056	0.000336	0.000189	0.00018328	0.011468
5346	486863.09	3866377.25	0.00054	0.00119	0.00073	0.00144	0.00099	0.00136	0.00118	0.00119	0.00996861	5.06327E-05	1.751E-09	0.0001342	0.0008214	0.0003385	0.000193	0.00018641	0.01132
5347	487363.09	3866377.25	0.00054	0.00121	0.0007	0.00143	0.00082	0.00135	0.0012	0.00121	0.00996861	5.14836E-05	1.679E-09	0.0001333	0.0006803	0.000336	0.000196	0.00018955	0.011176
5348	487863.09	3866377.25	0.00053	0.00121	0.00064	0.0013	0.00056	0.0013	0.0012	0.00121	0.00978401	5.14836E-05	1.535E-09	0.0001212	0.0004646	0.0003236	0.000196	0.00018955	0.010751
5349	488363.09	3866377.25	0.00051	0.00123	0.0006	0.00134	0.00046	0.00125	0.00122	0.00123	0.0094148	5.23346E-05	1.439E-09	0.0001249	0.0003816	0.0003111	0.000199	0.00019268	0.010291
5350	488863.09	3866377.25	0.00053	0.00119	0.00072	0.00149	0.00036	0.0012	0.00118	0.00119	0.00978401	5.06327E-05	1.727E-09	0.0001389	0.0002987	0.0002987	0.000193	0.00018641	0.010577
5351	489363.09	3866377.25	0.00059	0.00116	0.00077	0.00124	0.00036	0.0012	0.00115	0.00116	0.01089163	4.93562E-05	1.847E-09	0.0001156	0.0002987	0.0002987	0.000188	0.00018172	0.01166
5352	489863.09	3866377.25	0.00067	0.00111	0.00066	0.00105	0.0005	0.0012	0.00109	0.00111	0.01236846	4.72288E-05	1.583E-09	9.786E-05	0.0004148	0.0002987	0.000178	0.00017388	0.013231
5353	490363.09	3866377.25	0.00073	0.00125	0.00062	0.00118	0.00049	0.00131	0.00121	0.00125	0.01347609	5.31856E-05	1.487E-09	0.00011	0.0004065	0.0003261	0.000198	0.00019581	0.014374
5354	490863.09	3866377.25	0.00084	0.00128	0.0006	0.00126	0.00035	0.00142	0.00124	0.00128	0.01550673	5.4462E-05	1.439E-09	0.0001174	0.0002904	0.0003534	0.000202	0.00020051	0.016324

5355	491363.09	3866377.25	0.00099	0.00123	0.00065	0.0012	0.00034	0.0015	0.00118	0.00123	0.01827579	5.23346E-05	1.559E-09	0.0001118	0.0002821	0.0003733	0.000193	0.00019268	0.019095
5356	491863.09	3866377.25	0.00115	0.00102	0.00059	0.00107	0.00049	0.00139	0.001	0.00102	0.02122945	4.33994E-05	1.415E-09	9.972E-05	0.0004065	0.000346	0.000163	0.00015978	0.022129
5357	492363.09	3866377.25	0.00119	0.00103	0.00053	0.00113	0.00089	0.00143	0.00102	0.00103	0.02196787	4.38249E-05	1.271E-09	0.0001053	0.0007384	0.0003559	0.000166	0.00016135	0.023216
5358	492863.09	3866377.25	0.00115	0.00094	0.00054	0.00112	0.00123	0.00125	0.00096	0.00094	0.02122945	3.99956E-05	1.295E-09	0.0001044	0.0010205	0.0003111	0.000157	0.00014725	0.022715
5359	493363.09	3866377.25	0.00105	0.00093	0.00063	0.00116	0.00142	0.00121	0.00096	0.00093	0.01938341	3.95701E-05	1.511E-09	0.0001081	0.0011781	0.0003012	0.000157	0.00014569	0.021021
5360	493863.09	3866377.25	0.00094	0.00094	0.00059	0.00124	0.00125	0.00122	0.00098	0.00094	0.01735277	3.99956E-05	1.415E-09	0.0001156	0.0010371	0.0003037	0.00016	0.00014725	0.018862
5361	494363.09	3866377.25	0.00085	0.00099	0.00058	0.00134	0.0012	0.00123	0.00104	0.00099	0.01569133	4.2123E-05	1.391E-09	0.0001249	0.0009956	0.0003061	0.00017	0.00015508	0.017175
5362	494863.09	3866377.25	0.00083	0.00098	0.00062	0.00133	0.00115	0.00123	0.00102	0.00098	0.01532213	4.16975E-05	1.487E-09	0.000124	0.0009541	0.0003061	0.000166	0.00015352	0.016761
5363	495363.09	3866377.25	0.00083	0.00096	0.00062	0.00124	0.00096	0.00122	0.00096	0.00096	0.01532213	4.08465E-05	1.487E-09	0.0001156	0.0007965	0.0003037	0.000157	0.00015039	0.016585
5364	495863.09	3866377.25	0.00084	0.00096	0.00062	0.00115	0.00072	0.00121	0.00092	0.00096	0.01550673	4.08465E-05	1.487E-09	0.0001072	0.0005974	0.0003012	0.00015	0.00015039	0.016553
5365	496363.09	3866377.25	0.00086	0.00097	0.00065	0.00111	0.00058	0.00117	0.00091	0.00097	0.01587594	4.1272E-05	1.559E-09	0.0001034	0.0004812	0.0002912	0.000149	0.00015195	0.01679
5366	496863.09	3866377.25	0.00087	0.00094	0.00065	0.00109	0.00057	0.00112	0.00092	0.00094	0.01606054	3.99956E-05	1.559E-09	0.0001016	0.0004729	0.0002788	0.00015	0.00014725	0.016957
5367	497363.09	3866377.25	0.00087	0.00093	0.00064	0.00118	0.00073	0.00116	0.00097	0.00093	0.01606054	3.95701E-05	1.535E-09	0.00011	0.0006056	0.0002887	0.000158	0.00014569	0.017117
5368	497863.09	3866377.25	0.00087	0.00094	0.00063	0.00124	0.00092	0.00122	0.00099	0.00094	0.01606054	3.99956E-05	1.511E-09	0.0001156	0.0007633	0.0003037	0.000162	0.00014725	0.017297
5369	498363.09	3866377.25	0.00088	0.00087	0.00053	0.0011	0.00094	0.00113	0.00089	0.00087	0.01624515	3.70172E-05	1.271E-09	0.0001025	0.0007799	0.0002813	0.000145	0.00013629	0.017455
5370	474494.92	3848334.16	0.00807	0.34236	0.00056	0.0009	0.00115	0.00099	0.34514	0.34236	0.14897537	0.01456689	1.343E-09	8.388E-05	0.0009541	0.0002464	0.056337	0.05363111	0.167532
5371	475167.27	3848920.79	0.01949	0.40479	0.00061	0.00098	0.00126	0.00107	0.40716	0.40479	0.35979306	0.01722319	1.463E-09	9.133E-05	0.0010454	0.0002663	0.06646	0.06341085	0.381469
5372	475297.89	3848997.96	0.02249	0.31388	0.00061	0.00099	0.00127	0.00108	0.31794	0.31388	0.41517424	0.01335511	1.463E-09	9.226E-05	0.0010537	0.0002688	0.051897	0.04916968	0.432671
5373	475439.05	3849062	0.02672	0.36494	0.00061	0.001	0.00128	0.00109	0.36946	0.36494	0.4932617	0.015527634	1.463E-09	9.32E-05	0.001062	0.0002713	0.060306	0.0571683	0.513354
5374	475486.86	3849061.09	0.02347	0.2694	0.00062	0.00099	0.00127	0.00108	0.27239	0.2694	0.43326542	0.011462554	1.487E-09	9.226E-05	0.0010537	0.0002688	0.044462	0.04220184	0.448403
5375	475538.46	3849075.56	0.02424	0.2734	0.00062	0.00099	0.00127	0.00109	0.27625	0.2734	0.44747993	0.011632748	1.487E-09	9.226E-05	0.0010537	0.0002713	0.045092	0.04282844	0.462793
5376	475751.79	3849137.15	0.02403	0.40124	0.00064	0.001	0.00126	0.00111	0.40836	0.40124	0.44360324	0.017072143	1.535E-09	9.32E-05	0.0010454	0.0002763	0.066656	0.06285473	0.465892
5377	476303.62	3849223.38	0.02232	0.36593	0.00072	0.001	0.00122	0.00111	0.36812	0.36593	0.41203597	0.015569757	1.727E-09	9.32E-05	0.0010122	0.0002763	0.060088	0.05732338	0.431752
5378	476304.51	3849238.92	0.02636	0.50774	0.00072	0.00101	0.00123	0.00112	0.51121	0.50774	0.48661596	0.021603554	1.727E-09	9.413E-05	0.0010205	0.0002788	0.083444	0.07953809	0.513519
5379	476365.04	3849247.98	0.02473	0.45273	0.00073	0.00101	0.00122	0.00112	0.4578	0.45273	0.45652552	0.019262963	1.751E-09	9.413E-05	0.0010122	0.0002788	0.074726	0.07092071	0.480979
5380	476444.86	3849267.13	0.025	0.45396	0.00074	0.00101	0.00122	0.00111	0.46186	0.45396	0.46150983	0.019315298	1.775E-09	9.413E-05	0.0010122	0.0002763	0.075389	0.07111339	0.486483
5381	476550.75	3849300.66	0.02566	0.53983	0.00075	0.00101	0.00122	0.00112	0.55589	0.53983	0.47369369	0.022968934	1.799E-09	9.413E-05	0.0010122	0.0002788	0.090737	0.08456503	0.50422
5382	476656.71	3849346.88	0.02714	0.46667	0.00077	0.00102	0.00123	0.00112	0.47603	0.46667	0.50101507	0.019856089	1.847E-09	9.506E-05	0.0010205	0.0002788	0.077702	0.07310442	0.526863
5383	476873.55	3849454.53	0.03021	0.46689	0.00079	0.00104	0.00125	0.00114	0.47272	0.46689	0.55768847	0.019865449	1.895E-09	9.692E-05	0.0010371	0.0002837	0.077161	0.07313889	0.582994
5384	477700	3849859.7	0.04046	0.46082	0.00083	0.00114	0.00133	0.0012	0.45599	0.46082	0.7469075	0.01960718	1.991E-09	0.0001062	0.0011034	0.0002987	0.074431	0.07218801	0.770266
5385	477743.16	3849856.38	0.03662	0.32683	0.00083	0.00114	0.00132	0.00119	0.32387	0.32683	0.67601959	0.013906112	1.991E-09	0.0001062	0.0010951	0.0002962	0.052865	0.05119832	0.69309
5386	478477.35	3850216.33	0.0456	0.34193	0.00082	0.00125	0.00141	0.00128	0.33226	0.34193	0.84179392	0.014548594	1.967E-09	0.0001165	0.0011698	0.0003186	0.054234	0.05356375	0.858618
5387	478485.8	3850201.6	0.03991	0.26301	0.00081	0.00125	0.00141	0.00128	0.25709	0.26301	0.73675429	0.01119067	1.943E-09	0.0001165	0.0011698	0.0003186	0.041964	0.04120084	0.750313
5388	479113.21	3850501.53	0.05905	0.24237	0.00084	0.00138	0.00155	0.00146	0.23515	0.24237	1.09008621	0.01031247	2.015E-09	0.0001286	0.001286	0.0003634	0.038383	0.03796756	1.102592
5389	479108.11	3850382.28	0.02668	0.09713	0.00081	0.00137	0.00153	0.00146	0.09625	0.09713	0.49252329	0.004132732	1.943E-09	0.0001277	0.0012694	0.0003634	0.015711	0.01521553	0.498912
5390	479689.85	3850674.28	0.06121	0.1011	0.00085	0.00143	0.00164	0.00155	0.09947	0.1011	1.12996066	0.004301649	2.039E-09	0.0001333	0.0013606	0.0003858	0.016236	0.01583744	1.136541
5391	479952.42	3850774.28	0.04241	0.08754	0.00086	0.00145	0.00168	0.00155	0.08641	0.08754	0.78290527	0.003724692	2.063E-09	0.0001351	0.0013938	0.0003858	0.014105	0.01371325	0.788936
5392	479911.32	3850884.85	0.0517	0.22809	0.00089	0.00151	0.00169	0.00163	0.21955	0.22809	0.95440232	0.009704878	2.135E-09	0.0001407	0.0014021	0.0004057	0.035837	0.03573058	0.966162
5393	480500.92	3851178.12	0.04643	0.23404	0.00098	0.00159	0.00179	0.00172	0.23317	0.23404	0.85711605	0.009958041	2.35E-09	0.0001482	0.0014851	0.0004281	0.03806	0.03666265	0.870533
5394	480738.01	3851289.27	0.04701	0.21944	0.00104	0.00163	0.00182	0.00178	0.22164	0.21944	0.86782308	0.009336834	2.494E-09	0.0001519	0.00151	0.000443	0.036178	0.03437554	0.881067
5395	481055.42	3851443.58	0.04886	0.21208	0.00117	0.00171	0.00186	0.00192	0.21767	0.21208	0.9019748	0.009023677	2.806E-09	0.0001594	0.0015432	0.0004779	0.03553	0.03322259	0.915486
5396	481110.22	3851443.15	0.03886	0.16041	0.00119	0.00171	0.00185	0.00193	0.16414	0.16041	0.71737087	0.006825198	2.854E-09	0.0001594	0.0015349	0.0004804	0.026792	0.02512842	0.728035
5397	481111.1	3851417.45	0.03031	0.13038	0.00118	0.0017	0.00184	0.00191	0.13301	0.13038	0.55953451	0.005547468	2.83E-09	0.0001584	0.0015266	0.0004754	0.021711	0.02042419	0.568529
5398	482248.44	3852605.09	0.03478	0.24637	0.00194	0.00273	0.00241	0.00341	0.24666	0.24637	0.64205247	0.010482664	4.653E-09	0.0002544	0.0019995	0.0008487	0.040262	0.03859416	0.657306
5399	482273.34	3852632.31	0.03497	0.25155	0.00197	0.00277	0.00243	0.00348	0.25161	0.25155	0.64555994	0.010703065	4.725E-09	0.0002582	0.0020161	0.0008662	0.04107	0.03940561	0.661068
5400	482665.46	3853038.72	0.04299	0.19911	0.0031	0.00382	0.00271	0.00497	0.20345	0.19911	0.7936123	0.008471823	7.435E-09	0.000356	0.0022484	0.001237	0.033209	0.03119082	0.807944
5401	483077.95	3853844.31	0.07396	0.06217	0.00646	0.03216	0.00349	0.15744	0.1271	0.06217	1.36533067	0.002645238	1.549E-08	0.0029972	0.0028955	0.0391863	0.020746	0.00973901	1.424062
5402	483121.38	3853909.38	0.08546	0.05445	0.00686	0.09715	0.00359	0.53142	0.11748	0.05445	1.57762519	0.002316764	1.645E-08	0.009054	0.0029785	0.1322686	0.019176	0.00852966	1.734889
5403	483492.64	3853911.49	0.05854	0.02506	0.00542	0.06758	0.00367	0.0682	0.04031	0.02506	1.08067141	0.001066264	1.3E-08	0.0062982	0.0030448	0.0169747	0.00658	0.00392568	1.11071
5404	483498.29	3854204.73	0.08985	0.02621	0.00904	0.94301	0.0041	0.38691	0.13125	0.02621	1.65866632	0.001115195	2.168E-08	0.0878846	0.0034016	0.0963006	0.021424	0.00410583	1.864686
5405	484132.44	3854662.55	0.10964	0.01434	0.05369	0.97196	0.00494	0.28053	0.24327	0.01434	2.02399749	0.000610145	1.288E-07	0.0905827	0.0040985	0.069823	0.039709	0.00224638	2.226574
5406	484627.62	3854876.13	0.10916	0.01301	0.04239	1.27016	0.00578	0.21616	0.21469	0.01301	2.0151365	0.000553555	1.017E-07	0.1183737	0.0047954	0.0538015	0.035044	0.00203803	2.225666
5407	484756.14	3854949.04	0.10805	0.01306	0.03579	1.01984	0.00615	0.24088	0.21471	0.01306	1.99464547	0.000555683	8.584E-08	0.0950449	0.0051024	0.0599542	0.035047	0.00204586	2.188304
5408	486697.51	3856599.17	0.10161	0.01548	0.01485	0.58599	0.07462	0.17533	0.07693	0.01548	1.87576054	0.00065865	3.562E-08	0.0546118	0.0619089	0.043639	0.012557	0.00242496	2.046711
5409	487105.31	3856962.27	0.09886	0.01736	0.01194	0.92573	0.78756	0.18662	0.07105	0.01736	1.82499446	0.000738641	2.864E-08	0.0862742	0.6534034	0.0464491	0.011597	0.00271947	2.620738
5410	487157.57	3856901.7	0.07887	0.01624	0.01168	0.26523	1.0803	0.10417	0.0533	0.01624	1.4559712	0.000690987	2.801E-08	0.0247183	0.8962767	0.0259276	0.0087	0.00254402	2.409741
5411	487173.5	3856853.74	0.07232	0.01562	0.01176	0.18326	0.86736	0.08365	0.04676	0.01562	1.33505562	0.000664607	2.82E-08	0.0170791	0.7196099	0.0208202	0.007633	0.00244689	2.098415

5412	487564.41	3856860.83	0.05179	0.01379	0.01085	0.06918	1.65002	0.04473	0.02808	0.01379	0.95606376	0.000586743	2.602E-08	0.0064473	1.3689479	0.0111331	0.004583	0.00216022	2.345602
5413	487563.31	3856931.58	0.0543	0.01442	0.0105	0.07891	2.58036	0.0495	0.03038	0.01442	1.00239934	0.000613549	2.518E-08	0.0073541	2.1408095	0.0123204	0.004959	0.00225891	3.166197
5414	487782.7	3856926.85	0.04687	0.01351	0.0102	0.05677	2.25916	0.03959	0.02447	0.01351	0.86523862	0.00057483	2.446E-08	0.0052907	1.8743242	0.0098538	0.003994	0.00211636	2.75716
5415	487782.39	3856757.07	0.0432	0.01231	0.01106	0.04643	0.86642	0.03344	0.02134	0.01231	0.79748898	0.000523772	2.653E-08	0.0043271	0.71883	0.0083231	0.003483	0.00192838	1.531048
5416	487917.26	3856752.41	0.04032	0.01196	0.0109	0.04113	0.95665	0.03064	0.01945	0.01196	0.74432305	0.00050888	2.614E-08	0.0038331	0.7936898	0.0076262	0.003175	0.00187355	1.551282
5417	487919.57	3856953.35	0.04395	0.01326	0.01026	0.05039	2.14981	0.03663	0.02241	0.01326	0.81133427	0.000564193	2.461E-08	0.0046961	1.7836014	0.0091171	0.003658	0.0020772	2.610894
5418	487932.76	3857000.32	0.04473	0.01351	0.01019	0.05256	2.34371	0.03802	0.02306	0.01351	0.82573338	0.00057483	2.444E-08	0.0048984	1.9444715	0.009463	0.003764	0.00211636	2.786789
5419	487960.5	3857044.75	0.04511	0.01373	0.01022	0.05386	2.44361	0.03901	0.02342	0.01373	0.83274833	0.00058419	2.451E-08	0.0050195	2.0273541	0.0097095	0.003823	0.00215082	2.877088
5420	488016.54	3857089.54	0.0448	0.01385	0.01053	0.05356	2.41223	0.03924	0.02324	0.01385	0.82702561	0.000589296	2.525E-08	0.0049916	2.0013195	0.0097667	0.003793	0.00216962	2.845317
5421	488114.39	3857165.47	0.0442	0.01412	0.01251	0.05297	2.28857	0.03974	0.02293	0.01412	0.81594937	0.000600784	3E-08	0.0049366	1.8987243	0.0098912	0.003743	0.00221192	2.731633
5422	488171.49	3857234.24	0.04444	0.01455	0.01354	0.05427	2.18376	0.04137	0.0232	0.01455	0.82037987	0.00061908	3.247E-08	0.0050577	1.8117682	0.0102969	0.003787	0.00227928	2.649629
5423	488193.16	3857297.8	0.04548	0.01516	0.01452	0.05752	2.10442	0.04405	0.02404	0.01516	0.83957868	0.000645035	3.482E-08	0.0053606	1.7459433	0.0109639	0.003924	0.00237483	2.604041
5424	488189.27	3857649.94	0.0602	0.02041	0.03903	0.11255	1.28769	0.0821	0.03545	0.02041	1.11131566	0.000868414	9.361E-08	0.0104892	1.0683389	0.0204344	0.005786	0.00319725	2.214036
5425	488127.43	3857732.32	0.07214	0.02273	0.05545	0.18864	0.88073	0.123	0.04438	0.02273	1.33173275	0.000967126	1.33E-07	0.0175805	0.7307024	0.0306143	0.007244	0.00356068	2.115281
5426	488149.93	3857752.94	0.07229	0.02294	0.06018	0.18913	0.59007	0.12781	0.04426	0.02294	1.33450181	0.000976062	1.443E-07	0.0176261	0.4895547	0.0318115	0.007224	0.00359358	1.878101
5427	488144.76	3857758.71	0.07356	0.02312	0.06172	0.19953	0.55882	0.13323	0.04512	0.02312	1.35794651	0.00098372	1.48E-07	0.0185954	0.463628	0.0331605	0.007365	0.00362178	1.878057
5428	488335.58	3857932.55	0.07462	0.02595	0.08269	0.20031	0.08554	0.15539	0.04473	0.02595	1.37751453	0.001104132	1.983E-07	0.0186681	0.0709687	0.038676	0.007301	0.0040651	1.510168
5429	488372.29	3857943.79	0.07213	0.02579	0.07964	0.17988	0.08235	0.14296	0.04295	0.02579	1.33154815	0.001097325	1.91E-07	0.0167641	0.0683221	0.0355823	0.007011	0.00404003	1.456285
5430	488828.64	3857936.4	0.0505	0.02024	0.04783	0.06943	0.08342	0.06645	0.02523	0.02024	0.93224985	0.000861181	1.147E-07	0.0064706	0.0692098	0.0165392	0.004118	0.00317062	1.026278
5431	488829.08	3857959.58	0.05201	0.02067	0.04772	0.07189	0.07657	0.06804	0.02576	0.02067	0.96012504	0.000879477	1.144E-07	0.0066999	0.0635267	0.0169349	0.004205	0.00323798	1.049133
5432	488351.61	3857964.55	0.07723	0.02682	0.08308	0.21991	0.07394	0.16254	0.04618	0.02682	1.42569615	0.00114115	1.993E-07	0.0204947	0.0613447	0.0404557	0.007538	0.00420139	1.552469
5433	488316.87	3857947.65	0.07919	0.02675	0.08616	0.24035	0.0783	0.17453	0.04755	0.02675	1.46187853	0.001138171	2.066E-07	0.0223996	0.064962	0.0434399	0.007762	0.00419042	1.59739
5434	488129.1	3857775.77	0.07782	0.02373	0.06665	0.23881	0.45802	0.15304	0.0479	0.02373	1.43658779	0.001009675	1.598E-07	0.0222561	0.3799987	0.0380911	0.007819	0.00371733	1.882045
5435	488062.53	3857846.13	0.11062	0.02693	0.09314	1.0351	0.11019	0.43653	0.06522	0.02693	2.04208868	0.00114583	2.234E-07	0.096467	0.0914197	0.1086508	0.010646	0.00421862	2.346199
5436	488330.41	3858091.34	0.11493	0.03248	0.07787	1.01143	0.04655	0.38681	0.06317	0.03248	2.12165297	0.001381974	1.868E-07	0.0942611	0.0386205	0.0962757	0.010311	0.00508803	2.357415
5437	488470.87	3858174.45	0.10764	0.03357	0.0549	0.49476	0.03999	0.25199	0.05666	0.03357	1.98707671	0.001428352	1.317E-07	0.0461096	0.0331779	0.0627195	0.009249	0.00525878	2.134502
5438	488568.9	3858262.31	0.12007	0.03665	0.04234	0.49672	0.03331	0.25232	0.05788	0.03665	2.21653939	0.001559401	1.015E-07	0.0462922	0.0276358	0.0628016	0.009448	0.00574127	2.358535
5439	488964.27	3858025.71	0.06817	0.02061	0.04082	0.07037	0.06052	0.06358	0.02445	0.02061	1.25844499	0.000876924	9.79E-08	0.0065582	0.0502107	0.0158248	0.003991	0.00322858	1.332678
5440	489147.25	3857956.64	0.0633	0.01781	0.0362	0.05743	0.07407	0.05167	0.02025	0.01781	1.16854288	0.000757788	8.682E-08	0.0053522	0.0614526	0.0128605	0.003305	0.00278996	1.249481
5441	489343.52	3857932.45	0.06734	0.01612	0.03208	0.05108	0.0764	0.04449	0.01774	0.01612	1.24312287	0.000685881	7.694E-08	0.0047604	0.0633857	0.0110734	0.002896	0.00252522	1.323399
5442	489866.19	3857923.19	0.06467	0.01342	0.02239	0.04844	0.06844	0.03401	0.0139	0.01342	1.19383362	0.000571	5.37E-08	0.0045144	0.0567816	0.008465	0.002269	0.00210226	1.264332
5443	489955.65	3857902.27	0.05924	0.01288	0.02133	0.04682	0.06944	0.03235	0.01328	0.01288	1.09359368	0.000548024	5.116E-08	0.0043634	0.0576113	0.0080518	0.002168	0.00201767	1.164318
5444	490079.44	3857847.9	0.04315	0.01223	0.02043	0.04322	0.07226	0.03038	0.01254	0.01223	0.79656596	0.000520368	4.9E-08	0.0040279	0.0599509	0.0075615	0.002047	0.00191584	0.868758
5445	490108.49	3857934.13	0.05073	0.01263	0.01975	0.05109	0.06251	0.0311	0.01281	0.01263	0.93649574	0.000537387	4.737E-08	0.0047614	0.0518618	0.0077407	0.002091	0.0019785	1.001509
5446	489884.48	3858014.17	0.04682	0.01406	0.02147	0.06007	0.0569	0.03521	0.01439	0.01406	0.8643156	0.000598231	5.149E-08	0.0055983	0.0472074	0.0087636	0.002349	0.00220252	0.92663
5447	489326.56	3858025.86	0.06234	0.01739	0.03125	0.05939	0.05958	0.04777	0.01899	0.01739	1.1508209	0.000739918	7.495E-08	0.0055349	0.0494309	0.0118898	0.0031	0.00272416	1.218792
5448	489130.38	3858056.71	0.07066	0.01942	0.03445	0.06678	0.05539	0.05616	0.02201	0.01942	1.30441137	0.000826291	8.262E-08	0.0062236	0.0459546	0.013978	0.003593	0.00304217	1.371945
5449	488936.49	3858143.93	0.07919	0.02358	0.03678	0.0874	0.04288	0.07318	0.02822	0.02358	1.46187853	0.001003293	8.821E-08	0.0081453	0.0355756	0.0182143	0.004606	0.00369384	1.52573
5450	488638.08	3858327.45	0.11169	0.03858	0.03536	0.51036	0.02974	0.25562	0.05803	0.03858	2.0618413	0.001641519	8.481E-08	0.0475634	0.024674	0.063623	0.009472	0.0060436	2.202772
5451	488663.79	3858349.57	0.10802	0.03916	0.03327	0.50203	0.0287	0.25265	0.05773	0.03916	1.99409166	0.001666198	7.979E-08	0.0467871	0.0238111	0.0628837	0.009423	0.00613446	2.132529
5452	488694.56	3858349.5	0.10007	0.03792	0.03259	0.37374	0.02863	0.2079	0.054	0.03792	1.84733153	0.001613438	7.816E-08	0.034831	0.023753	0.0517456	0.008814	0.00594021	1.962149
5453	488694.35	3858336.75	0.09815	0.03705	0.03335	0.33496	0.02922	0.19325	0.05252	0.03705	1.81188758	0.00157642	7.998E-08	0.0312169	0.0242425	0.0480993	0.008573	0.00580393	1.919792
5454	488712.81	3858336.38	0.09325	0.03636	0.03293	0.29359	0.02917	0.1763	0.05059	0.03636	1.72143165	0.001547062	7.898E-08	0.0273614	0.024201	0.0438805	0.008258	0.00569584	1.820984
5455	488713.23	3858367.46	0.0969	0.03847	0.03116	0.37754	0.02778	0.20883	0.05409	0.03847	1.78881209	0.001636839	7.473E-08	0.0351852	0.0230478	0.0519771	0.008829	0.00602637	1.903462
5456	488704.63	3858384.05	0.09964	0.04011	0.03038	0.48693	0.02712	0.24716	0.05729	0.04011	1.83939356	0.001706619	7.286E-08	0.0453799	0.0225003	0.0615173	0.009351	0.00628328	1.973566
5457	488604.15	3858488.29	0.11261	0.05913	0.02543	0.13261	0.02305	0.11835	0.11072	0.05913	2.07882486	0.00251589	6.099E-08	0.0123587	0.0191236	0.0294569	0.018073	0.00926279	2.15109
5458	488605.66	3858550.47	0.1217	0.07279	0.02238	0.09202	0.02097	0.09271	0.15535	0.07279	2.24662983	0.003097102	5.367E-08	0.0085759	0.0173979	0.0230752	0.025358	0.01140264	2.312731
5459	488692.68	3858548.71	0.11086	0.06145	0.02232	0.16117	0.02163	0.13057	0.10039	0.06145	2.04651917	0.002614603	5.353E-08	0.0150204	0.0179454	0.0324984	0.016387	0.00962622	2.121358
5460	488759.93	3858461.81	0.08313	0.04427	0.02555	0.70125	0.02416	0.31022	0.06121	0.04427	1.53461247	0.00188362	6.128E-08	0.0653536	0.0200445	0.0772127	0.009991	0.00693495	1.702163
5461	488816.57	3858541.79	0.10139	0.04972	0.02205	0.93112	0.02165	0.41697	0.06611	0.04972	1.87169925	0.002115509	5.288E-08	0.0867765	0.017962	0.1037824	0.010791	0.0077887	2.085338
5462	488944.63	3858656.77	0.07924	0.05598	0.01916	0.87546	0.01853	0.41032	0.06708	0.05598	1.46280154	0.002381863	4.595E-08	0.0815892	0.0153735	0.1021273	0.010949	0.00876934	1.666454
5463	489134.91	3858830.7	0.06334	0.06977	0.01921	1.19765	0.0149	0.40751	0.07823	0.06977	1.1692813	0.002968606	4.607E-08	0.111616	0.0123619	0.1014279	0.012769	0.01092956	1.399496
5464	489193.99	3858886.05	0.063	0.07604	0.02053	1.30309	0.01396	0.41615	0.08337	0.07604	1.16300476	0.003235385	4.924E-08	0.1214426	0.011582	0.1035783	0.013608	0.01191176	1.40454
5465	489295.2	3858954.34	0.06406	0.08015	0.02389	1.14859	0.01275	0.40272	0.08378	0.08015	1.18257278	0.003410259	5.73E-08	0.1070438	0.0105781	0.1002356	0.013675	0.0125556	1.40496
5466	489295.64	3858992.74	0.07079	0.09536	0.02612	0.72147	0.01243	0.30437	0.0999	0.09536	1.30681122	0.004057421	6.264E-08	0.067238	0.0103126	0.0757567	0.016307	0.01493826	1.465544
5467	489183.74	3858911.72	0.06604	0.08671	0.02112	0.87594	0.0138	0.29493	0.09651	0.08671	1.21912436	0.003689377	5.065E-08	0.081634	0.0114492	0.0734071	0.015753	0.01358323	1.391474
5468	488873.37	3858625.59	0.10031	0.05728	0.01976	0.59556	0.01953	0.30515	0.07303	0.05728	1.85176203	0.002437176	4.739E-08	0.0555037	0.0162032	0.0759508	0.011921	0.00897298	2.004805

5469	488842.84	3858658.69	0.10361	0.06722	0.01914	0.22466	0.01901	0.15879	0.09049	0.06722	1.91268132	0.002860107	4.59E-08	0.0209374	0.0157717	0.0395223	0.014771	0.01053009	1.996013
5470	488856.39	3858670.93	0.09914	0.06826	0.01892	0.2269	0.01876	0.15914	0.09072	0.06826	1.83016337	0.002904358	4.538E-08	0.0211461	0.0155643	0.0396094	0.014808	0.01069301	1.913503
5471	488805.7	3858724.5	0.10744	0.09593	0.01771	0.10472	0.01785	0.0907	0.14996	0.09593	1.98338463	0.004081674	4.247E-08	0.0097595	0.0148093	0.0225749	0.024478	0.01502755	2.04406
5472	488805.87	3858804.16	0.11144	0.15893	0.01664	0.07702	0.01638	0.07695	0.33746	0.15893	2.0572262	0.006762226	3.991E-08	0.0071779	0.0135898	0.0191526	0.055083	0.02489658	2.134095
5473	488995.78	3858936.96	0.10442	0.20524	0.01902	0.10227	0.01458	0.07973	0.3333	0.20524	1.92763424	0.008732645	4.562E-08	0.0095311	0.0120964	0.0198445	0.054404	0.0321511	2.000092
5474	489130.76	3859017.38	0.09214	0.21878	0.02357	0.163	0.0133	0.08375	0.27843	0.21878	1.70094062	0.009308752	5.653E-08	0.0151909	0.0110344	0.0208451	0.045448	0.03427215	1.768495
5475	489130.92	3859052.24	0.09147	0.33718	0.025	0.14745	0.01305	0.07501	0.43828	0.33718	1.68857215	0.014346489	5.996E-08	0.0137417	0.010827	0.0186697	0.07154	0.05281966	1.764877
5476	489200.33	3859090.6	0.08734	0.33655	0.02946	0.32723	0.0124	0.07555	0.39783	0.33655	1.61233073	0.014319683	7.066E-08	0.0304965	0.0102877	0.0188041	0.064937	0.05272097	1.698455
5477	489296.07	3859143.7	0.0879	0.33565	0.03938	0.25835	0.01151	0.07642	0.3853	0.33565	1.62266855	0.01428139	9.445E-08	0.0240772	0.0095493	0.0190207	0.062892	0.05257998	1.699909
5478	489296.43	3858954.74	0.06404	0.08006	0.02393	1.13718	0.01274	0.40037	0.08364	0.08006	1.18220357	0.00340643	5.739E-08	0.1059805	0.0105698	0.0996507	0.013652	0.0125415	1.402922
5479	489410.33	3859033.19	0.07606	0.0857	0.03176	1.03825	0.01156	0.41363	0.08667	0.0857	1.40409749	0.003646403	7.617E-08	0.0967606	0.0095908	0.1029511	0.014147	0.01342501	1.617769
5480	489371.37	3859089.8	0.07971	0.13144	0.0374	0.30813	0.01135	0.15738	0.13725	0.13144	1.47147793	0.005592569	8.97E-08	0.0287164	0.0094166	0.0391713	0.022403	0.02059024	1.556188
5481	489390.52	3859102.82	0.08107	0.13369	0.04023	0.29626	0.01117	0.15657	0.13946	0.13369	1.49658406	0.005688303	9.649E-08	0.0276102	0.0092673	0.0389697	0.022764	0.0209427	1.579941
5482	489382.3	3859114.53	0.08301	0.15048	0.04153	0.25708	0.01115	0.12877	0.15864	0.15048	1.53239723	0.006402692	9.96E-08	0.0239588	0.0092507	0.0320504	0.025895	0.02357288	1.606382
5483	489363.04	3859102.45	0.08068	0.14877	0.03863	0.2675	0.01133	0.12811	0.15715	0.14877	1.48938451	0.006329934	9.265E-08	0.0249299	0.0094	0.0318861	0.025651	0.023305	1.564277
5484	489337.52	3859140.71	0.08565	0.2425	0.04218	0.22024	0.01127	0.08643	0.26802	0.2425	1.58113266	0.010318001	1.012E-07	0.0205255	0.0093502	0.0215121	0.043749	0.03798792	1.648599
5485	489375.14	3859164.55	0.09177	0.2522	0.04946	0.19314	0.01093	0.08628	0.27604	0.2522	1.69411027	0.010730721	1.186E-07	0.0179998	0.0090681	0.0214748	0.045058	0.03950744	1.758934
5486	489409.3	3859114.5	0.08161	0.13496	0.04323	0.2899	0.011	0.15798	0.14053	0.13496	1.50655268	0.00574234	1.037E-07	0.0270175	0.0091262	0.0393207	0.022939	0.02114165	1.589556
5487	489434.87	3859131.81	0.08619	0.13805	0.04826	0.27936	0.01078	0.15741	0.14344	0.13805	1.59110128	0.005873815	1.157E-07	0.0260352	0.0089437	0.0391788	0.023414	0.0216257	1.672921
5488	489471.87	3859075.75	0.07001	0.08906	0.03948	1.06834	0.01099	0.42071	0.08977	0.08906	1.29241212	0.003789366	9.469E-08	0.0995649	0.0091179	0.1047133	0.014653	0.01395136	1.510299
5489	489602.62	3859164.69	0.08212	0.09667	0.07647	0.70487	0.00993	0.42632	0.09694	0.09667	1.51596748	0.004113159	1.834E-07	0.065691	0.0082385	0.1061096	0.015823	0.01514347	1.7008
5490	489558.29	3859232.45	0.08871	0.1794	0.11132	0.2056	0.00968	0.12611	0.18387	0.1794	1.63762147	0.007633193	2.67E-07	0.0191611	0.0080311	0.0313884	0.030013	0.02810323	1.705745
5491	489620.11	3859273.56	0.09219	0.19184	0.19229	0.19728	0.00923	0.12532	0.19613	0.19184	1.70186363	0.008162496	4.612E-07	0.0183857	0.0076577	0.0311917	0.032014	0.03005197	1.769224
5492	489666.06	3859206.42	0.07252	0.10028	0.11791	0.72459	0.00948	0.41828	0.10032	0.10028	1.3387477	0.004266759	2.828E-07	0.0675288	0.0078651	0.1041085	0.016375	0.01570898	1.523183
5493	489787.9	3859285.65	0.07964	0.10724	0.26093	0.69439	0.00873	0.40472	0.10773	0.10724	1.4701857	0.004562897	6.258E-07	0.0647143	0.0072429	0.1007334	0.017585	0.01679928	1.648225
5494	489752.17	3859343.13	0.08476	0.18653	0.65052	0.22848	0.00847	0.15603	0.19097	0.18653	1.56470291	0.007936564	1.56E-06	0.0212934	0.0070272	0.0388353	0.031172	0.02922015	1.641749
5495	489814.94	3859385.33	0.08831	0.20084	2.39219	0.22162	0.00812	0.15432	0.20596	0.20084	1.63023731	0.008545432	5.737E-06	0.0206541	0.0067368	0.0384097	0.033619	0.03146183	1.706746
5496	489853.42	3859330.74	0.07027	0.11311	0.68352	0.66753	0.00835	0.41177	0.114	0.11311	1.29721182	0.004812656	1.639E-06	0.062211	0.0069276	0.1024882	0.018608	0.01771882	1.474542
5497	489969.5	3859401.91	0.08303	0.11864	1.2063	0.90039	0.00781	0.44683	0.11983	0.11864	1.53276643	0.005047949	2.893E-06	0.0839126	0.0064796	0.1112145	0.01956	0.0185851	1.740399
5498	490166.91	3859486.96	0.07315	0.10837	0.286	0.91017	0.00722	0.39964	0.10867	0.10837	1.35037775	0.004610976	6.859E-07	0.0848241	0.0059901	0.099469	0.017738	0.01697629	1.546034
5499	490128.86	3859571.46	0.07297	0.27135	0.14396	0.16816	0.00677	0.11167	0.27062	0.27135	1.34705488	0.011545524	3.453E-07	0.0156718	0.0056168	0.0277943	0.044173	0.04250731	1.409349
5500	490186.65	3859593.65	0.07583	0.27341	0.11109	0.1795	0.00664	0.12594	0.27459	0.27341	1.3998516	0.011633174	2.664E-07	0.0167287	0.0055089	0.031346	0.044821	0.04283001	1.46706
5501	490223.74	3859517.48	0.06433	0.11275	0.19709	0.98227	0.00705	0.41188	0.11276	0.11275	1.18755708	0.004797339	4.727E-07	0.0915435	0.0058491	0.1025155	0.018406	0.01766242	1.393006
5502	490846.34	3859817.22	0.06703	0.16404	0.02579	0.99756	0.00585	0.3236	0.17268	0.16404	1.23740015	0.006979649	6.185E-08	0.0929685	0.0048535	0.0805429	0.028186	0.02569707	1.425234
5503	490925.65	3859844.59	0.06668	0.15163	0.02303	1.00076	0.00577	0.3137	0.15946	0.15163	1.23093901	0.006451623	5.523E-08	0.0932667	0.0047871	0.0780789	0.026028	0.02375302	1.415799
5504	491159.29	3859896.28	0.06536	0.10636	0.01934	1.0306	0.0056	0.31608	0.10645	0.10636	1.20657129	0.004525454	4.638E-08	0.0960477	0.0046461	0.0786712	0.017376	0.01666142	1.391176
5505	491370.69	3859960.89	0.0576	0.08122	0.01568	1.03287	0.00537	0.32471	0.08066	0.08122	1.06331864	0.003455786	3.761E-08	0.0962592	0.0044552	0.0808192	0.013166	0.01272321	1.248751
5506	491330.28	3860063.17	0.06604	0.15149	0.01209	0.11342	0.00489	0.09452	0.14795	0.15149	1.21912436	0.006445666	2.9E-08	0.0105703	0.004057	0.0235257	0.02415	0.02373109	1.264142
5507	491636.45	3860180.75	0.05807	0.08132	0.00957	0.06957	0.00463	0.0691	0.08293	0.08132	1.07199502	0.003460041	2.295E-08	0.0064836	0.0038413	0.0171988	0.013537	0.01273888	1.103776
5508	491617.94	3860203.93	0.06664	0.0939	0.00908	0.05525	0.00453	0.05534	0.09635	0.0939	1.23020059	0.0039953	2.178E-08	0.0051491	0.0037583	0.0137739	0.015727	0.01470955	1.257895
5509	491805.68	3860271.59	0.04855	0.07033	0.0081	0.03519	0.0044	0.04963	0.07255	0.07033	0.89625208	0.002992433	1.943E-08	0.0032796	0.0036505	0.0123527	0.011842	0.01101728	0.919352
5510	491654.23	3860414.02	0.03591	0.36336	0.00607	0.02307	0.00398	0.02583	0.39621	0.36336	0.66291271	0.015460408	1.456E-08	0.00215	0.003302	0.006429	0.064673	0.05692079	0.698006
5511	491592.62	3860510.76	0.01256	0.07022	0.00514	0.01927	0.00374	0.0206	0.06609	0.07022	0.23186254	0.002987753	1.233E-08	0.0017959	0.0031029	0.0051273	0.010788	0.01100005	0.244664
5512	491475.41	3860368.93	0.02755	0.11816	0.00624	0.02553	0.00401	0.02536	0.11016	0.11816	0.50858383	0.005027526	1.497E-08	0.0023793	0.0033269	0.006312	0.017981	0.01850991	0.525101
5513	491445.61	3860337.28	0.02927	0.13137	0.00656	0.02765	0.00408	0.02682	0.12413	0.13137	0.5403357	0.005589591	1.573E-08	0.0025769	0.003385	0.0066754	0.020262	0.02057927	0.558245
5514	491399.05	3860300.37	0.03013	0.13373	0.00699	0.03061	0.00417	0.02867	0.12933	0.13373	0.55621164	0.005690005	1.676E-08	0.0028527	0.0034597	0.0071359	0.02111	0.02094897	0.575511
5515	491228.84	3860235.98	0.02686	0.06574	0.00769	0.03501	0.00431	0.0304	0.06646	0.06574	0.49584616	0.002797136	1.844E-08	0.0032628	0.0035758	0.0075665	0.010848	0.01029825	0.513598
5516	491228.47	3860174.57	0.03718	0.12518	0.00886	0.04422	0.00449	0.037	0.13043	0.12518	0.68635741	0.005326216	2.125E-08	0.0041211	0.0037252	0.0092092	0.02129	0.0196096	0.710419
5517	491145.77	3860112.55	0.03507	0.1243	0.01022	0.05426	0.00468	0.04362	0.13111	0.1243	0.64740598	0.005288773	2.451E-08	0.0050568	0.0038828	0.0108569	0.021401	0.01947175	0.67442
5518	490844.41	3859966.22	0.03427	0.11579	0.01515	0.08311	0.00519	0.06448	0.10813	0.11579	0.63263767	0.004926686	3.633E-08	0.0077455	0.0043059	0.0160489	0.01765	0.01813864	0.665176
5519	490845.55	3859928.15	0.04256	0.25598	0.01745	0.11791	0.00534	0.09396	0.22643	0.25598	0.78567433	0.010891554	4.185E-08	0.0109887	0.0044304	0.0233863	0.03696	0.04009958	0.832232
5520	490046.91	3859625.6	0.04355	0.17089	0.08086	0.08504	0.00662	0.0583	0.17175	0.17089	0.80395012	0.007271106	1.939E-07	0.0079254	0.0054923	0.0145107	0.028035	0.02677013	0.840414
5521	489970.48	3859589.4	0.04522	0.17907	0.11937	0.08634	0.00691	0.05837	0.17453	0.17907	0.83477897	0.007619152	2.863E-07	0.0080465	0.0057329	0.0145281	0.028488	0.02805153	0.871143
5522	489865.89	3859529.06	0.05254	0.19558	0.30266	0.09191	0.00739	0.06109	0.18752	0.19558	0.96990905	0.008321627	7.259E-07	0.0085656	0.0061312	0.0152051	0.030609	0.03063785	1.008104
5523	489826.89	3859531.74	0.04663	0.12621	0.31607	0.08478	0.00751	0.05618	0.12181	0.12621	0.86080813	0.005370041	7.58E-07	0.0079011	0.0062307	0.013983	0.019883	0.01977095	0.894406
5524	489410.47	3859303.06	0.05757	0.12494	0.08653	0.13081	0.01015	0.05821	0.11438	0.12494	1.06276483	0.005316004	2.075E-07	0.012191	0.008421	0.0144883	0.01867	0.019572	1.102279
5525	489407.15	3859286.09	0.06115	0.16169	0.0824	0.13545	0.01023	0.06027	0.14531	0.16169	1.12885303	0.00687966	1.976E-07	0.0126234	0.0084874	0.015001	0.023719	0.02532894	1.170234

5526	488806.07	3858963.62	0.11643	0.13871	0.01651	0.05243	0.01355	0.07083	0.06422	0.13871	2.14934356	0.005901897	3.96E-08	0.0048863	0.0112418	0.0176293	0.010483	0.02172909	2.177756
5527	488817.64	3859546.3	0.10907	0.01214	0.01295	0.02884	0.00604	0.05966	0.0112	0.01214	2.01347507	0.000516538	3.106E-08	0.0026878	0.0050111	0.0148492	0.001828	0.00190175	2.036466
5528	489187.25	3859549.52	0.07296	0.0172	0.02546	0.26975	0.00908	0.04423	0.01631	0.0172	1.34687028	0.000731833	6.106E-08	0.0251396	0.0075333	0.0110087	0.002662	0.0026944	1.391252
5529	489187.66	3859523.74	0.06315	0.01826	0.02655	0.27207	0.0093	0.04472	0.01728	0.01826	1.16577382	0.000776935	6.368E-08	0.0253558	0.0077158	0.0111307	0.002821	0.00286045	1.210713
5530	489232.59	3859522.85	0.05963	0.01947	0.03019	0.48111	0.00946	0.04402	0.01847	0.01947	1.10079324	0.000828418	7.241E-08	0.0448375	0.0078485	0.0109564	0.003015	0.00305	1.165229
5531	489224.98	3859759.91	0.05452	0.01223	0.0158	0.53983	0.00758	0.03991	0.01172	0.01223	1.00646063	0.000520368	3.789E-08	0.0503099	0.0062888	0.0099335	0.001913	0.00191584	1.07351
5532	488401.39	3859763.34	0.09635	0.00757	0.00767	0.0158	0.00304	0.34633	0.00696	0.00757	1.77865887	0.000322092	1.84E-08	0.0014725	0.0025222	0.0862004	0.001136	0.00118585	1.869126
5533	488405.51	3859966.16	0.10474	0.00667	0.00678	0.0147	0.00263	0.33732	0.00624	0.00667	1.93354157	0.000283798	1.626E-08	0.00137	0.002182	0.0839578	0.001019	0.00104486	2.021309
5534	489202.85	3859956.57	0.06742	0.00947	0.011	0.20829	0.00601	0.03767	0.00909	0.00947	1.2445997	0.000402934	2.638E-08	0.0194118	0.0049862	0.0093759	0.001484	0.00148349	1.278777
5535	489191.9	3860676.74	0.03535	0.00552	0.00509	0.34164	0.00243	0.02672	0.00536	0.00552	0.65257489	0.000234867	1.221E-08	0.0318394	0.0020161	0.0066505	0.000875	0.00086471	0.693326
5536	488392.82	3860687.88	0.06066	0.00458	0.00381	0.01154	0.00177	0.29049	0.00434	0.00458	1.11980744	0.000194872	9.138E-09	0.0010755	0.0014685	0.072302	0.000708	0.00071746	1.194839
5537	488392.82	3860760.27	0.02778	0.00445	0.00362	0.01128	0.00172	0.06379	0.00422	0.00445	0.51282972	0.000189341	8.682E-09	0.0010512	0.001427	0.0158771	0.000689	0.0006971	0.531366
5538	487549.05	3860777.45	0.00941	0.00378	0.00279	0.00723	0.00249	0.01859	0.00353	0.00378	0.1737123	0.000160833	6.691E-09	0.0006738	0.0020658	0.004627	0.000576	0.00059214	0.181224
5539	487554.62	3859571.83	0.06448	0.00637	0.00477	0.01048	0.0042	0.13184	0.00555	0.00637	1.19032614	0.000271034	1.144E-08	0.0009767	0.0034846	0.0328145	0.000906	0.00099787	1.227781
5540	485949.46	3859558.54	0.00963	0.00438	0.0038	0.00614	0.00656	0.01319	0.0038	0.00438	0.17777359	0.000186362	9.114E-09	0.0005722	0.0054425	0.0032829	0.00062	0.00068613	0.187192
5541	485947.55	3857943.61	0.0341	0.01148	0.00859	0.00896	0.02384	0.06062	0.00595	0.01148	0.6294994	0.000488456	2.06E-08	0.000835	0.019779	0.0150881	0.000971	0.00179836	0.664863
5542	484738.38	3857940.21	0.01156	0.0059	0.00458	0.00615	0.01346	0.01264	0.00417	0.0059	0.21340214	0.000251036	1.098E-08	0.0005732	0.0111672	0.0031461	0.000681	0.00092424	0.228296
5543	484737.06	3857535.68	0.0163	0.00739	0.00597	0.00663	0.01384	0.01516	0.00462	0.00739	0.30090441	0.000314433	1.432E-08	0.0006179	0.0114824	0.0037733	0.000754	0.00115765	0.316689
5544	483730.2	3857530.13	0.01059	0.00505	0.00579	0.00531	0.00862	0.00904	0.00372	0.00505	0.19549556	0.00021487	1.389E-08	0.0004949	0.0071516	0.00225	0.000607	0.00079109	0.205423
5545	483727.27	3857130.01	0.02118	0.0059	0.00645	0.00569	0.00791	0.01013	0.00405	0.0059	0.39099112	0.000251036	1.547E-08	0.0005303	0.0065626	0.0025213	0.000661	0.00092424	0.400593
5546	483124.42	3857123.45	0.01218	0.00491	0.00561	0.00503	0.00639	0.0081	0.00365	0.00491	0.22484759	0.000208913	1.345E-08	0.0004688	0.0053015	0.0020161	0.000596	0.00076916	0.232669
5547	483111.13	3855921.03	0.05521	0.00837	0.01015	0.00637	0.00758	0.01407	0.00481	0.00837	1.0191983	0.000356131	2.434E-08	0.0005937	0.0062888	0.003502	0.000785	0.00131117	1.029413
5548	482701.73	3855918.24	0.0202	0.00672	0.00956	0.00572	0.00702	0.01025	0.00442	0.00672	0.37289994	0.000285926	2.293E-08	0.0005331	0.0058242	0.0025512	0.000721	0.0010527	0.381763
5549	482668.02	3853521.78	0.03273	0.05655	0.00383	0.00649	0.00307	0.01061	0.04934	0.05655	0.60420866	0.002406115	9.186E-09	0.0006048	0.002547	0.0026408	0.008054	0.00885863	0.611603
5550	482579.91	3853219.19	0.02606	0.06817	0.00304	0.00441	0.00282	0.00612	0.06846	0.06817	0.48107784	0.002900528	7.291E-09	0.000411	0.0023396	0.0015232	0.011175	0.01067891	0.488748
5551	482434.06	3852961.94	0.02263	0.09611	0.00242	0.0035	0.00264	0.00459	0.09783	0.09611	0.41775869	0.004089332	5.804E-09	0.0003262	0.0021903	0.0011424	0.015969	0.01505575	0.42642
5552	482332.11	3852832.85	0.02002	0.12479	0.00218	0.00317	0.00255	0.00404	0.12721	0.12479	0.36957707	0.005309622	5.228E-09	0.0002954	0.0021156	0.0010055	0.020764	0.01954851	0.379519
5553	481334.99	3851818.96	0.01625	0.10293	0.00135	0.00193	0.00202	0.0022	0.10454	0.10293	0.29998139	0.004379513	3.238E-09	0.0001799	0.0016759	0.0005476	0.017064	0.01612411	0.307704
5554	481127.62	3851646.36	0.01807	0.08857	0.00123	0.00182	0.00195	0.00204	0.08879	0.08857	0.3335793	0.003768517	2.95E-09	0.0001696	0.0016178	0.0005077	0.014493	0.0138746	0.340261
5555	481025.04	3851591.73	0.01704	0.0809	0.00118	0.00179	0.00193	0.00199	0.08046	0.0809	0.3145651	0.00344217	2.83E-09	0.0001668	0.0016012	0.0004953	0.013133	0.01267308	0.320731
5556	480513.6	3851335.76	0.0178	0.0828	0.00102	0.00167	0.00183	0.00181	0.08421	0.0828	0.328595	0.003523012	2.446E-09	0.0001556	0.0015183	0.0004505	0.013745	0.01297072	0.335017
5557	480523.56	3851317.66	0.02253	0.112	0.00102	0.00166	0.00183	0.0018	0.11418	0.112	0.41591266	0.004765427	2.446E-09	0.0001547	0.0015183	0.000448	0.018637	0.01754494	0.423892
5558	476921.56	3849569.11	0.01568	0.09863	0.0008	0.00108	0.00128	0.00118	0.09914	0.09863	0.28945896	0.004196554	1.919E-09	0.0001007	0.001062	0.0002937	0.016182	0.01545051	0.295844
5559	476521.19	3849373.96	0.01806	0.11875	0.00076	0.00104	0.00126	0.00115	0.11863	0.11875	0.3333947	0.005052629	1.823E-09	9.692E-05	0.0010454	0.0002862	0.019364	0.01860233	0.340637
5560	476391.45	3849333.38	0.01805	0.12689	0.00074	0.00103	0.00126	0.00115	0.12728	0.12689	0.33321009	0.005398974	1.775E-09	9.599E-05	0.0010454	0.0002862	0.020776	0.01987747	0.340935
5561	476219.41	3849304.29	0.01663	0.11066	0.00072	0.00103	0.00127	0.00115	0.11158	0.11066	0.30699634	0.004708412	1.727E-09	9.599E-05	0.0010537	0.0002862	0.018213	0.01733502	0.314019
5562	475679.11	3849218.47	0.01633	0.08987	0.00065	0.00103	0.0013	0.00113	0.09007	0.08987	0.30145822	0.00382383	1.559E-09	9.599E-05	0.0010786	0.0002813	0.014702	0.01407824	0.307362
5563	475677.71	3849233.88	0.01299	0.07195	0.00065	0.00104	0.00131	0.00113	0.0722	0.07195	0.23980051	0.003061362	1.559E-09	9.692E-05	0.0010868	0.0002813	0.011785	0.01127106	0.244841
5564	475492.74	3849204.66	0.01071	0.05018	0.00062	0.00101	0.00131	0.00109	0.05052	0.05018	0.19771081	0.002135082	1.487E-09	9.413E-05	0.0010868	0.0002713	0.008246	0.00786076	0.201684
5565	475497.64	3849158.75	0.02806	0.11814	0.00062	0.00101	0.0013	0.0011	0.11876	0.11814	0.51799863	0.005026675	1.487E-09	9.413E-05	0.0010786	0.0002738	0.019385	0.01850677	0.52535
5566	475391.35	3849141.94	0.01517	0.09015	0.00063	0.00102	0.0013	0.0011	0.09054	0.09015	0.28004416	0.003835743	1.511E-09	9.506E-05	0.0010786	0.0002738	0.014779	0.01412211	0.285984
5567	475277	3849095.47	0.01426	0.08702	0.00063	0.00102	0.0013	0.0011	0.08735	0.08702	0.2632452	0.003702567	1.511E-09	9.506E-05	0.0010786	0.0002738	0.014258	0.01363179	0.269021
5568	475183.93	3849025.66	0.01647	0.11347	0.00062	0.001	0.00128	0.00109	0.11437	0.11347	0.30404267	0.004827973	1.487E-09	9.32E-05	0.001062	0.0002713	0.018668	0.01777521	0.31119
5569	474453.23	3848378.77	0.01048	0.16207	0.00056	0.00091	0.00117	0.00099	0.16319	0.16207	0.19346492	0.006895829	1.343E-09	8.481E-05	0.0009707	0.0002464	0.026637	0.02538846	0.202911
5570	474569.63	3848399.34	0.00998	0.34879	0.00056	0.00091	0.00116	0.00099	0.35155	0.34879	0.18423472	0.014840477	1.343E-09	8.481E-05	0.0009624	0.0002464	0.057383	0.05463838	0.203113
5571	474644.33	3848464.52	0.01097	0.35379	0.00057	0.00092	0.00117	0.001	0.35651	0.35379	0.20251051	0.015053219	1.367E-09	8.574E-05	0.0009707	0.0002489	0.058193	0.05542163	0.22164
5572	474719.04	3848529.7	0.01179	0.361	0.00057	0.00093	0.00118	0.00101	0.36367	0.361	0.21764803	0.015359993	1.367E-09	8.667E-05	0.000979	0.0002514	0.059361	0.05655109	0.237135
5573	474793.74	3848594.88	0.01243	0.36744	0.00058	0.00093	0.0012	0.00102	0.37005	0.36744	0.22946269	0.015634005	1.391E-09	8.667E-05	0.0009956	0.0002539	0.060403	0.05755992	0.249276
5574	474868.45	3848660.07	0.01325	0.36949	0.00058	0.00094	0.00121	0.00103	0.37204	0.36949	0.24460021	0.01572123	1.391E-09	8.76E-05	0.0010039	0.0002564	0.060728	0.05788106	0.264516
5575	474943.15	3848725.25	0.01414	0.37618	0.00058	0.00095	0.00122	0.00103	0.37866	0.37618	0.26102996	0.016005879	1.391E-09	8.854E-05	0.0010122	0.0002564	0.061808	0.05892906	0.281272
5576	475017.86	3848790.43	0.01515	0.38867	0.00059	0.00096	0.00123	0.00104	0.39114	0.38867	0.27967495	0.016537309	1.415E-09	8.947E-05	0.0010205	0.0002589	0.063845	0.06088563	0.300541
5577	475092.56	3848855.61	0.01625	0.39691	0.0006	0.00097	0.00125	0.00106	0.39939	0.39691	0.29998139	0.016887908	1.439E-09	9.04E-05	0.0010371	0.0002638	0.065192	0.06217643	0.321276
5578	475232.58	3848959.38	0.02067	0.33456	0.00061	0.00099	0.00126	0.00107	0.33675	0.33456	0.38157632	0.014235012	1.463E-09	9.226E-05	0.0010454	0.0002663	0.054967	0.05240923	0.399773
5579	475368.47	3849029.98	0.02313	0.34656	0.00062	0.001	0.00127	0.00108	0.35161	0.34656	0.42698889	0.014745593	1.487E-09	9.32E-05	0.0010537	0.0002688	0.057393	0.05428905	0.446254
5580	475609.57	3849096.09	0.02449	0.28852	0.00063	0.001	0.00127	0.00109	0.29175	0.28852	0.45209503	0.012276081	1.511E-09	9.32E-05	0.0010537	0.0002713	0.047622	0.04519701	0.468214
5581	475680.68	3849116.62	0.02339	0.33121	0.00064	0.001	0.00127	0.0011	0.33687	0.33121	0.43178859	0.014092475	1.535E-09	9.32E-05	0.0010537	0.0002738	0.054987	0.05188445	0.450404
5582	475843.76	3849151.52	0.02264	0.40925	0.00066	0.00101	0.00126	0.00111	0.41506	0.40925	0.4179433	0.017412956	1.583E-09	9.413E-05	0.0010454	0.0002763	0.06775	0.06410951	0.440412

5583	475935.73	3849165.89	0.02219	0.37665	0.00068	0.00101	0.00125	0.00112	0.38055	0.37665	0.40963612	0.016025877	1.631E-09	9.413E-05	0.0010371	0.0002788	0.062117	0.05900268	0.430186
5584	476027.7	3849180.26	0.02252	0.37637	0.00069	0.00101	0.00125	0.00113	0.37958	0.37637	0.41572805	0.016013963	1.655E-09	9.413E-05	0.0010371	0.0002813	0.061958	0.05895882	0.436154
5585	476119.68	3849194.64	0.02391	0.39381	0.0007	0.00101	0.00124	0.00112	0.39617	0.39381	0.441388	0.016756008	1.679E-09	9.413E-05	0.0010288	0.0002788	0.064666	0.06169082	0.462521
5586	476211.65	3849209.01	0.02455	0.38965	0.00071	0.001	0.00123	0.00112	0.39108	0.38965	0.45320265	0.016579007	1.703E-09	9.32E-05	0.0010205	0.0002788	0.063835	0.06103915	0.47397
5587	476497.8	3849283.9	0.02575	0.50563	0.00075	0.00101	0.00122	0.00112	0.51738	0.50563	0.47535512	0.021513777	1.799E-09	9.413E-05	0.0010122	0.0002788	0.084451	0.07920756	0.503498
5588	476603.73	3849323.77	0.02664	0.50358	0.00076	0.00102	0.00123	0.00112	0.51455	0.50358	0.49178487	0.021426552	1.823E-09	9.506E-05	0.0010205	0.0002788	0.083989	0.07888642	0.519709
5589	476728.99	3849382.76	0.02819	0.46467	0.00077	0.00103	0.00123	0.00113	0.47273	0.46467	0.52039848	0.019770992	1.847E-09	9.599E-05	0.0010205	0.0002813	0.077163	0.07279112	0.545939
5590	476801.27	3849418.65	0.02921	0.4644	0.00078	0.00104	0.00124	0.00113	0.47104	0.4644	0.53922808	0.019759504	1.871E-09	9.692E-05	0.0010288	0.0002813	0.076887	0.07274883	0.564533
5591	476956.2	3849495.05	0.03093	0.46458	0.0008	0.00105	0.00125	0.00115	0.46913	0.46458	0.57097996	0.019767162	1.919E-09	9.786E-05	0.0010371	0.0002862	0.076575	0.07277702	0.595967
5592	477038.84	3849535.56	0.03196	0.47092	0.0008	0.00106	0.00126	0.00115	0.4744	0.47092	0.58999416	0.02003692	1.919E-09	9.879E-05	0.0010454	0.0002862	0.077436	0.07377019	0.615127
5593	477121.48	3849576.08	0.03281	0.469	0.00081	0.00107	0.00127	0.00116	0.47109	0.469	0.6056855	0.019955227	1.943E-09	9.972E-05	0.0010537	0.0002887	0.076895	0.07346942	0.630509
5594	477204.13	3849616.6	0.03384	0.47187	0.00081	0.00108	0.00127	0.00116	0.47254	0.47187	0.6246997	0.020077341	1.943E-09	0.0001007	0.0010537	0.0002887	0.077132	0.07391901	0.649433
5595	477286.78	3849657.12	0.03509	0.44374	0.00081	0.00107	0.00127	0.00115	0.44254	0.44374	0.64777519	0.018880453	1.943E-09	9.972E-05	0.0010537	0.0002862	0.072235	0.06951241	0.670818
5596	477369.42	3849697.63	0.03526	0.47166	0.00082	0.00109	0.00129	0.00117	0.47039	0.47166	0.65091346	0.020068406	1.967E-09	0.0001016	0.0010703	0.0002912	0.076781	0.07388611	0.67534
5597	477452.07	3849738.15	0.03597	0.47189	0.00082	0.0011	0.00129	0.00117	0.46802	0.47189	0.66402034	0.020078192	1.967E-09	0.0001025	0.0010703	0.0002912	0.076394	0.07392214	0.688035
5598	477534.71	3849778.67	0.03644	0.48598	0.00083	0.00112	0.00131	0.00119	0.48192	0.48598	0.67269672	0.020677699	1.991E-09	0.0001044	0.0010868	0.0002962	0.078663	0.07612936	0.697396
5599	477617.35	3849819.18	0.03729	0.4842	0.00083	0.00113	0.00131	0.00119	0.47901	0.4842	0.68838806	0.020601963	1.991E-09	0.0001053	0.0010868	0.0002962	0.078188	0.07585052	0.712816
5600	477824.74	3849896.37	0.04176	0.31819	0.00083	0.00116	0.00133	0.00121	0.31547	0.31819	0.77090601	0.013538494	1.991E-09	0.0001081	0.0011034	0.0003012	0.051494	0.04984485	0.787606
5601	477906.31	3849936.37	0.04301	0.32783	0.00082	0.00116	0.00133	0.0012	0.32288	0.32783	0.7939815	0.013948661	1.967E-09	0.0001081	0.0011034	0.0002987	0.052703	0.05135497	0.810789
5602	477987.89	3849976.36	0.043	0.3283	0.00082	0.00117	0.00134	0.00121	0.32391	0.3283	0.7937969	0.013968659	1.967E-09	0.000109	0.0011117	0.0003012	0.052871	0.05142859	0.81073
5603	478069.47	3850016.36	0.04311	0.33201	0.00082	0.00118	0.00135	0.00122	0.32611	0.33201	0.79582754	0.014126513	1.967E-09	0.00011	0.00112	0.0003037	0.05323	0.05200977	0.812708
5604	478151.04	3850056.35	0.04322	0.33364	0.00082	0.00118	0.00135	0.00122	0.32687	0.33364	0.79785819	0.014195867	1.967E-09	0.00011	0.00112	0.0003037	0.053355	0.05226511	0.814677
5605	478232.62	3850096.35	0.04309	0.33709	0.00082	0.0012	0.00137	0.00123	0.32974	0.33709	0.79545834	0.01434266	1.967E-09	0.0001118	0.0011366	0.0003061	0.053823	0.05280556	0.812373
5606	478314.2	3850136.34	0.043	0.33832	0.00082	0.00121	0.00138	0.00125	0.33021	0.33832	0.7937969	0.014394994	1.967E-09	0.0001128	0.0011449	0.0003111	0.0539	0.05299824	0.810662
5607	478395.77	3850176.34	0.04314	0.33923	0.00082	0.00123	0.00139	0.00126	0.33035	0.33923	0.79638136	0.014433713	1.967E-09	0.0001146	0.0011532	0.0003136	0.053923	0.05314079	0.813178
5608	478575.43	3850244.45	0.04464	0.25931	0.00082	0.00127	0.00142	0.0013	0.25308	0.25931	0.82407195	0.011033241	1.967E-09	0.0001184	0.0011781	0.0003236	0.04131	0.04062123	0.837414
5609	478665.06	3850287.29	0.04565	0.25655	0.00082	0.00129	0.00144	0.00132	0.25001	0.25655	0.84271694	0.010915807	1.967E-09	0.0001202	0.0011947	0.0003285	0.040809	0.04018887	0.855896
5610	478754.69	3850330.14	0.04619	0.25354	0.00082	0.00131	0.00146	0.00135	0.2467	0.25354	0.85268555	0.010787736	1.967E-09	0.0001221	0.0012113	0.000336	0.040269	0.03971735	0.865694
5611	478844.32	3850372.99	0.04687	0.24869	0.00083	0.00133	0.00148	0.00138	0.24173	0.24869	0.86523862	0.010581376	1.991E-09	0.000124	0.0012279	0.0003435	0.039457	0.03895759	0.878015
5612	478933.95	3850415.84	0.04801	0.24276	0.00083	0.00135	0.00152	0.00141	0.23607	0.24276	0.88628347	0.010329064	1.991E-09	0.0001258	0.0012611	0.0003509	0.038533	0.03802865	0.898855
5613	479023.58	3850458.68	0.05118	0.24573	0.00083	0.00137	0.00153	0.00143	0.23814	0.24573	0.94480292	0.010455432	1.991E-09	0.0001277	0.0012694	0.0003559	0.038871	0.0384939	0.957389
5614	479110.66	3850441.9	0.04265	0.13932	0.00083	0.00138	0.00154	0.00146	0.13708	0.13932	0.78733576	0.005927851	1.991E-09	0.0001286	0.0012777	0.0003634	0.022375	0.02182465	0.795584
5615	479191.22	3850423.99	0.04138	0.09777	0.00082	0.00138	0.00155	0.00148	0.09685	0.09777	0.76389106	0.004159963	1.967E-09	0.0001286	0.001286	0.0003684	0.015809	0.01531579	0.770327
5616	479274.32	3850465.71	0.05235	0.09884	0.00082	0.00139	0.00156	0.0015	0.09781	0.09884	0.96640158	0.00420549	1.967E-09	0.0001295	0.0012943	0.0003733	0.015965	0.01548341	0.972886
5617	479357.43	3850507.42	0.05689	0.0998	0.00083	0.0014	0.00157	0.00152	0.09857	0.0998	1.05021176	0.004246336	1.991E-09	0.0001305	0.0013026	0.0003783	0.016089	0.01563379	1.056725
5618	479440.53	3850549.14	0.05908	0.09968	0.00083	0.00141	0.00159	0.00153	0.09831	0.09968	1.09064002	0.00424123	1.991E-09	0.0001314	0.0013192	0.0003808	0.016047	0.01561499	1.097145
5619	479523.64	3850590.85	0.06021	0.09984	0.00083	0.00142	0.0016	0.00153	0.09837	0.09984	1.11150027	0.004248038	1.991E-09	0.0001323	0.0013274	0.0003808	0.016057	0.01564006	1.118006
5620	479606.74	3850632.57	0.0609	0.10065	0.00084	0.00143	0.00162	0.00154	0.09909	0.10065	1.12423794	0.004282502	2.015E-09	0.0001333	0.001344	0.0003833	0.016174	0.01576695	1.130788
5621	479777.37	3850707.61	0.05696	0.0958	0.00085	0.00144	0.00165	0.00155	0.09432	0.0958	1.05150399	0.004076142	2.039E-09	0.0001342	0.0013689	0.0003858	0.015396	0.01500719	1.057858
5622	479864.9	3850740.95	0.05089	0.0916	0.00086	0.00144	0.00167	0.00155	0.09027	0.0916	0.9394494	0.003897439	2.063E-09	0.0001342	0.0013855	0.0003858	0.014735	0.01434925	0.945638
5623	479931.87	3850829.56	0.05032	0.12709	0.00088	0.00148	0.00169	0.00159	0.12439	0.12709	0.92892698	0.005407483	2.111E-09	0.0001379	0.0014021	0.0003957	0.020304	0.0199088	0.936665
5624	479995.55	3850926.75	0.04811	0.22865	0.0009	0.00152	0.0017	0.00164	0.22134	0.22865	0.88812951	0.009728705	2.159E-09	0.0001417	0.0014104	0.0004082	0.036129	0.0358183	0.900129
5625	480079.78	3850968.64	0.04699	0.22775	0.00091	0.00153	0.00172	0.00165	0.22182	0.22775	0.86745387	0.009690411	2.182E-09	0.0001426	0.001427	0.0004107	0.036207	0.03567731	0.879655
5626	480164.01	3851010.54	0.04648	0.22769	0.00093	0.00154	0.00173	0.00167	0.22318	0.22769	0.85803907	0.009687858	2.23E-09	0.0001435	0.0014353	0.0004157	0.036429	0.03566792	0.870483
5627	480248.23	3851052.43	0.04615	0.22625	0.00094	0.00156	0.00175	0.00168	0.2232	0.22625	0.85194714	0.009626589	2.254E-09	0.0001454	0.0014519	0.0004181	0.036433	0.03544234	0.864579
5628	480332.46	3851094.33	0.04608	0.22822	0.00095	0.00157	0.00176	0.00169	0.22614	0.22822	0.85065491	0.009710409	2.278E-09	0.0001463	0.0014602	0.0004206	0.036913	0.03575094	0.863554
5629	480416.69	3851136.22	0.04621	0.23256	0.00096	0.00158	0.00178	0.0017	0.23093	0.23256	0.85305476	0.009895069	2.302E-09	0.0001472	0.0014768	0.0004231	0.037694	0.03643081	0.866261
5630	480579.95	3851215.17	0.04616	0.22914	0.001	0.0016	0.0018	0.00173	0.22936	0.22914	0.85213174	0.009749554	2.398E-09	0.0001491	0.0014934	0.0004306	0.037438	0.03589506	0.865497
5631	480658.98	3851252.22	0.04637	0.22407	0.00102	0.00162	0.00181	0.00175	0.22534	0.22407	0.85600843	0.009533833	2.446E-09	0.000151	0.0015017	0.0004356	0.036782	0.03510084	0.869312
5632	480817.36	3851327.85	0.04763	0.21794	0.00107	0.00165	0.00183	0.00181	0.22108	0.21794	0.87926852	0.009273011	2.566E-09	0.0001538	0.0015183	0.0004505	0.036087	0.03414057	0.89261
5633	480896.71	3851366.42	0.04779	0.21624	0.0011	0.00167	0.00184	0.00184	0.22031	0.21624	0.88222218	0.009200678	2.638E-09	0.0001556	0.0015266	0.000458	0.035961	0.03387426	0.89565
5634	480976.07	3851405	0.04779	0.21445	0.00113	0.00169	0.00185	0.00188	0.2194	0.21445	0.88222218	0.009124517	2.71E-09	0.0001575	0.0015349	0.0004679	0.035812	0.03359385	0.895726
5635	481178	3851487.31	0.04263	0.17257	0.00122	0.00173	0.00187	0.00196	0.17644	0.17257	0.78696656	0.007342587	2.926E-09	0.0001612	0.0015515	0.0004878	0.0288	0.0270333	0.798276
5636	481244.9	3851557.17	0.04102	0.21535	0.00125	0.00177	0.00189	0.00201	0.21729	0.21535	0.75724532	0.00916281	2.998E-09	0.000165	0.001568	0.0005003	0.035468	0.03373484	0.770375
5637	481311.81	3851627.03	0.03764	0.24711	0.00128	0.00181	0.00192	0.00206	0.24815	0.24711	0.69484919	0.010514149	3.07E-09	0.0001687	0.0015929	0.0005127	0.040505	0.03871008	0.709433
5638	481378.71	3851696.89	0.03504	0.2377	0.00132	0.00185	0.00195	0.00211	0.23774	0.2377	0.64685217	0.010113768	3.166E-09	0.0001724	0.0016178	0.0005252	0.038806	0.03723599	0.660851
5639	481445.61	3851766.76	0.03297	0.2349	0.00135	0.0019	0.00198	0.00216	0.23511	0.2349	0.60863916	0.009994633	3.238E-09	0.0001771	0.0016427	0.0005376	0.038377	0.03679737	0.622571

5640	481512.51	3851836.62	0.03213	0.23466	0.00138	0.00194	0.00201	0.00221	0.23483	0.23466
5641	481579.42	3851906.48	0.03208	0.23312	0.00141	0.00199	0.00205	0.00227	0.23333	0.23312
5642	481646.32	3851976.34	0.03223	0.23514	0.00143	0.00204	0.00208	0.00233	0.23524	0.23514
5643	481713.22	3852046.2	0.03243	0.2335	0.00146	0.0021	0.00211	0.00239	0.23367	0.2335
5644	481780.12	3852116.06	0.03265	0.23548	0.00149	0.00216	0.00215	0.00246	0.23564	0.23548
5645	481847.03	3852185.92	0.03293	0.23876	0.00153	0.00222	0.00218	0.00255	0.23884	0.23876
5646	481913.93	3852255.78	0.03322	0.2405	0.00157	0.00229	0.00222	0.00266	0.24063	0.2405
5647	481980.83	3852325.65	0.03352	0.24338	0.00163	0.00236	0.00225	0.00279	0.24343	0.24338
5648	482047.73	3852395.51	0.03382	0.24397	0.00169	0.00244	0.00229	0.00291	0.24434	0.24397
5649	482114.64	3852465.37	0.03408	0.24416	0.00177	0.00253	0.00233	0.00306	0.2444	0.24416
5650	482181.54	3852535.23	0.0344	0.24756	0.00184	0.00262	0.00237	0.00322	0.24778	0.24756
5651	482338.69	3852700.04	0.0353	0.25317	0.0021	0.00289	0.00247	0.00369	0.25324	0.25317
5652	482404.05	3852767.78	0.03585	0.2513	0.00225	0.00303	0.00252	0.00391	0.25157	0.2513
5653	482469.4	3852835.52	0.03672	0.25288	0.00243	0.00318	0.00256	0.00414	0.25282	0.25288
5654	482534.75	3852903.25	0.03892	0.25272	0.00262	0.00336	0.00261	0.00439	0.25252	0.25272
5655	482600.11	3852970.99	0.0417	0.24662	0.00285	0.00357	0.00266	0.00466	0.24748	0.24662
5656	482706.71	3853119.28	0.0438	0.19967	0.00331	0.00414	0.00278	0.0054	0.20257	0.19967
5657	482747.96	3853199.84	0.04472	0.20263	0.00356	0.00451	0.00284	0.00595	0.20513	0.20263
5658	482789.21	3853280.4	0.04663	0.19131	0.00384	0.00497	0.0029	0.00664	0.19628	0.19131
5659	482830.46	3853360.96	0.04936	0.16135	0.00415	0.00555	0.00297	0.00758	0.17573	0.16135
5660	482871.71	3853441.52	0.05229	0.13856	0.00448	0.00632	0.00303	0.00899	0.15868	0.13856
5661	482912.95	3853522.07	0.05568	0.12088	0.00481	0.0074	0.00311	0.01123	0.14881	0.12088
5662	482954.2	3853602.63	0.05935	0.09946	0.00517	0.00903	0.00319	0.01496	0.14199	0.09946
5663	482995.45	3853683.19	0.06323	0.0832	0.00555	0.01176	0.00328	0.02289	0.13618	0.0832
5664	483036.7	3853763.75	0.06752	0.07141	0.00598	0.01716	0.00338	0.04459	0.13134	0.07141
5665	483214.2	3853909.91	0.07867	0.04012	0.00636	0.13462	0.00361	0.21788	0.07333	0.04012
5666	483307.01	3853910.44	0.07421	0.03338	0.00578	0.11164	0.00362	0.12673	0.05693	0.03338
5667	483399.83	3853910.96	0.06935	0.0284	0.00551	0.0846	0.00364	0.08818	0.04669	0.0284
5668	483494.52	3854009.24	0.07912	0.02548	0.00634	0.13883	0.00379	0.09525	0.05166	0.02548
5669	483496.41	3854106.98	0.08346	0.02607	0.00752	0.28637	0.00393	0.15423	0.07578	0.02607
5670	483577.56	3854261.96	0.08611	0.0234	0.01	0.84454	0.00421	0.3706	0.14008	0.0234
5671	483656.83	3854319.19	0.08767	0.02108	0.01221	1.06855	0.00427	0.35732	0.14923	0.02108
5672	483736.1	3854376.41	0.09009	0.01919	0.01707	1.06367	0.00437	0.34207	0.15857	0.01919
5673	483815.36	3854433.64	0.09289	0.0177	0.02226	1.07678	0.00447	0.3287	0.17043	0.0177
5674	483894.63	3854490.87	0.09622	0.01646	0.02921	1.09159	0.00457	0.31478	0.18379	0.01646
5675	483973.9	3854548.09	0.10028	0.0155	0.03788	1.09545	0.00468	0.29876	0.19743	0.0155
5676	484053.17	3854605.32	0.10424	0.01492	0.04689	1.12052	0.00481	0.29006	0.21841	0.01492
5677	484214.97	3854698.15	0.10609	0.01399	0.05503	1.05527	0.00505	0.24425	0.22546	0.01399
5678	484297.5	3854733.74	0.1055	0.01383	0.0553	1.10379	0.00518	0.24531	0.22934	0.01383
5679	484380.03	3854769.34	0.10739	0.01347	0.05321	1.16987	0.00531	0.23666	0.22521	0.01347
5680	484462.56	3854804.94	0.10848	0.01338	0.05075	1.24174	0.00545	0.23122	0.22394	0.01338
5681	484545.09	3854840.53	0.11061	0.01304	0.04624	1.13548	0.00559	0.21871	0.21531	0.01304
5682	484691.88	3854912.58	0.11121	0.01305	0.03907	1.0154	0.00596	0.23011	0.22635	0.01305
5683	484830.81	3855012.51	0.10899	0.01324	0.03172	1.02971	0.00646	0.24447	0.19117	0.01324
5684	484905.48	3855075.97	0.10821	0.01375	0.02827	1.05393	0.00681	0.23417	0.17665	0.01375
5685	484980.14	3855139.44	0.1078	0.01404	0.02527	1.07109	0.00718	0.23161	0.16738	0.01404
5686	485054.81	3855202.91	0.10785	0.01414	0.0231	0.90617	0.00756	0.22469	0.1581	0.01414
5687	485129.48	3855266.37	0.10872	0.01398	0.02147	0.79525	0.00795	0.21588	0.14654	0.01398
5688	485204.15	3855329.84	0.10789	0.01431	0.02163	0.90563	0.00844	0.22065	0.14434	0.01431
5689	485278.82	3855393.31	0.10788	0.01437	0.02263	0.81424	0.00895	0.21529	0.13715	0.01437
5690	485353.48	3855456.77	0.10744	0.01458	0.02338	0.86655	0.00954	0.21516	0.13197	0.01458
5691	485428.15	3855520.24	0.10745	0.01464	0.02595	0.65264	0.01017	0.20971	0.12558	0.01464
5692	485502.82	3855583.71	0.10729	0.01474	0.02969	0.88041	0.01089	0.20746	0.12056	0.01474
5693	485577.49	3855647.17	0.10655	0.01506	0.03467	0.61838	0.01173	0.2069	0.11753	0.01506
5694	485652.16	3855710.64	0.10585	0.01538	0.0418	0.8637	0.01275	0.20479	0.11429	0.01538
5695	485726.83	3855774.1	0.1056	0.01547	0.04756	0.60994	0.0138	0.2008	0.10967	0.01547
5696	485801.49	3855837.57	0.10564	0.01544	0.05138	0.71083	0.01499	0.19665	0.10476	0.01544

0.59313243	0.009984421	3.31E-09	0.0001808	0.0016676	0.0005501	0.038331	0.03675977	0.607087
0.59220941	0.009918896	3.382E-09	0.0001855	0.0017008	0.000565	0.038086	0.03651853	0.606147
0.59497847	0.010004844	3.43E-09	0.0001901	0.0017257	0.0005799	0.038398	0.03683497	0.609042
0.59867055	0.009935065	3.502E-09	0.0001957	0.0017506	0.0005949	0.038142	0.03657806	0.61271
0.60273183	0.010019311	3.574E-09	0.0002013	0.0017838	0.0006123	0.038463	0.03688823	0.616923
0.60790074	0.01015887	3.669E-09	0.0002069	0.0018086	0.0006347	0.038986	0.03740204	0.622293
0.61325426	0.010232904	3.765E-09	0.0002134	0.0018418	0.0006621	0.039278	0.03767462	0.627808
0.61879237	0.010355444	3.909E-09	0.0002199	0.0018667	0.0006944	0.039735	0.03812577	0.633538
0.62433049	0.010380547	4.053E-09	0.0002274	0.0018999	0.0007243	0.039883	0.0382182	0.639228
0.62913019	0.010388631	4.245E-09	0.0002358	0.0019331	0.0007616	0.039893	0.03824796	0.644094
0.63503752	0.010533296	4.413E-09	0.0002442	0.0019663	0.0008014	0.040445	0.03878058	0.650247
0.65165187	0.010771993	5.037E-09	0.0002693	0.0020492	0.0009184	0.041336	0.03965939	0.667338
0.66180509	0.010692427	5.396E-09	0.0002824	0.0020907	0.0009732	0.041063	0.03936645	0.677541
0.67786563	0.010759654	5.828E-09	0.0002964	0.0021239	0.0010304	0.041267	0.03961396	0.69373
0.7184785	0.010752846	6.284E-09	0.0003131	0.0021654	0.0010927	0.041218	0.0395889	0.734432
0.76979839	0.010493301	6.835E-09	0.0003327	0.0022069	0.0011599	0.040396	0.03863332	0.785754
0.80856522	0.008495651	7.939E-09	0.0003858	0.0023064	0.001344	0.033065	0.03127855	0.822884
0.82554878	0.008621594	8.538E-09	0.0004203	0.0023562	0.0014809	0.033483	0.03174224	0.840169
0.86080813	0.008139945	9.21E-09	0.0004632	0.002406	0.0016527	0.032039	0.02996894	0.87554
0.911205	0.006865194	9.953E-09	0.0005172	0.0024641	0.0018866	0.028684	0.02527567	0.926347
0.96529395	0.005895514	1.074E-08	0.000589	0.0025139	0.0022376	0.025901	0.02170559	0.980725
1.02787468	0.005143258	1.154E-08	0.0006896	0.0025802	0.0027951	0.02429	0.018936	1.044437
1.09562433	0.00423187	1.24E-08	0.0008416	0.0026466	0.0037235	0.023177	0.01558053	1.114664
1.16725065	0.003540032	1.331E-08	0.001096	0.0027213	0.0056972	0.022228	0.01303338	1.1895
1.24644574	0.003038385	1.434E-08	0.0015992	0.0028042	0.0110983	0.021438	0.01118646	1.275238
1.45227912	0.001707044	1.525E-08	0.012546	0.0029951	0.0542296	0.01197	0.00628485	1.529442
1.36994577	0.001420268	1.386E-08	0.0104044	0.0030034	0.0315427	0.009293	0.00522902	1.42038
1.28022826	0.001208376	1.321E-08	0.0078844	0.0030199	0.0219477	0.007621	0.00444889	1.317461
1.4605863	0.001084135	1.521E-08	0.0129384	0.0031444	0.0237074	0.008432	0.00399147	1.505902
1.5407044	0.001109238	1.804E-08	0.0266885	0.0032605	0.0383873	0.012369	0.0040839	1.618436
1.58962445	0.000995634	2.398E-08	0.0787076	0.0034928	0.0922411	0.022865	0.00366564	1.784261
1.61842266	0.000896921	2.928E-08	0.0995844	0.0035426	0.0889357	0.024359	0.00330221	1.832439
1.66309681	0.000816505	4.094E-08	0.0991296	0.0036256	0.0851401	0.025883	0.00300614	1.874686
1.71478591	0.000753108	5.339E-08	0.1003514	0.0037086	0.0818123	0.027819	0.00277273	1.926458
1.77625902	0.000700348	7.006E-08	0.1017317	0.0037915	0.0783477	0.03	0.00257848	1.988252
1.85120821	0.000659501	9.085E-08	0.1020914	0.0038828	0.0743603	0.032226	0.00242809	2.062
1.92431137	0.000634823	1.125E-07	0.1044278	0.0039906	0.0721949	0.035651	0.00233724	2.138873
1.9584631	0.000595253	1.32E-07	0.0983468	0.0041898	0.060793	0.036802	0.00219155	2.156998
1.94757147	0.000588445	1.326E-07	0.1028687	0.0042976	0.0610568	0.037435	0.00216649	2.151652
1.98246161	0.000573128	1.276E-07	0.109027	0.0044055	0.0589039	0.036761	0.00211009	2.190022
2.00258344	0.000569298	1.217E-07	0.115725	0.0045216	0.0575499	0.036553	0.00209599	2.215407
2.04190407	0.000554832	1.109E-07	0.105822	0.0046378	0.0544362	0.035145	0.00204273	2.240457
2.05298031	0.000555257	9.37E-08	0.0946311	0.0049447	0.0572736	0.036947	0.0020443	2.245288
2.01199824	0.000563342	7.608E-08	0.0959647	0.0053596	0.0608478	0.031204	0.00207406	2.203864
1.99759913	0.000585041	6.78E-08	0.0982219	0.00565	0.0582841	0.028834	0.00215395	2.187021
1.99003037	0.00059738	6.061E-08	0.0998212	0.0059569	0.0576469	0.027321	0.00219938	2.179175
1.99095339	0.000601635	5.54E-08	0.0844513	0.0062722	0.0559246	0.025806	0.00221505	2.161795
2.00701393	0.000594827	5.149E-08	0.074114	0.0065958	0.0537318	0.02392	0.00218998	2.16378
1.99169181	0.000608868	5.188E-08	0.084401	0.0070023	0.054919	0.02356	0.00224168	2.159942
1.9915072	0.000611421	5.427E-08	0.0758838	0.0074254	0.053585	0.022387	0.00225108	2.149149
1.98338463	0.000620357	5.607E-08	0.0807589	0.0079149	0.0535526	0.021541	0.00228397	2.145489
1.98356923	0.000622909	6.224E-08	0.0608233	0.0084376	0.0521961	0.020498	0.00229337	2.123854
1.98061557	0.000627164	7.121E-08	0.0820506	0.0090349	0.0516361	0.019679	0.00230904	2.141334
1.96695488	0.00064078	8.315E-08	0.0576305	0.0097319	0.0514967	0.019184	0.00235917	2.10328
1.9540326	0.000654395	1.003E-07	0.0804933	0.0105781	0.0509715	0.018655	0.0024093	2.112976
1.94941751	0.000658225	1.141E-07	0.0568439	0.0114492	0.0499784	0.017901	0.00242339	2.083825
1.95015592	0.000656948	1.232E-07	0.0662464	0.0124365	0.0489455	0.0171	0.00241869	2.093123

5697	485876.16	3855901.04	0.10537	0.01551	0.05298	0.582	0.01639	0.19694	0.10165	0.01551	1.94517162	0.000659927	1.271E-07	0.05424	0.0135981	0.0490177	0.016592	0.00242966	2.07685
5698	485950.83	3855964.5	0.10529	0.01549	0.05125	0.67475	0.01799	0.1939	0.09843	0.01549	1.94369478	0.000659076	1.229E-07	0.0628839	0.0149255	0.0482611	0.016067	0.00242653	2.084065
5699	486025.5	3856027.97	0.1055	0.01533	0.04652	0.56194	0.01975	0.19115	0.09444	0.01533	1.94757147	0.000652268	1.116E-07	0.0523705	0.0163857	0.0475766	0.015415	0.00240146	2.07757
5700	486100.17	3856091.44	0.10443	0.01573	0.04199	0.64184	0.02217	0.19009	0.09412	0.01573	1.92781885	0.000669287	1.007E-07	0.0598168	0.0183935	0.0473128	0.015363	0.00246412	2.06691
5701	486174.83	3856154.9	0.10469	0.0155	0.03573	0.55886	0.02475	0.1855	0.08954	0.0155	1.93261855	0.000659501	8.569E-08	0.0520834	0.020534	0.0461703	0.014615	0.00242809	2.064253
5702	486249.5	3856218.37	0.10571	0.01496	0.02962	0.59147	0.0275	0.18106	0.08397	0.01496	1.95144815	0.000636525	7.104E-08	0.0551226	0.0228155	0.0450652	0.013706	0.0023435	2.086451
5703	486324.17	3856281.84	0.1065	0.0146	0.02487	0.56569	0.03098	0.18142	0.08155	0.0146	1.96603186	0.000621207	5.965E-08	0.05272	0.0257027	0.0451548	0.013311	0.00228711	2.101255
5704	486398.84	3856345.3	0.10563	0.01477	0.02197	0.57996	0.0358	0.18157	0.08237	0.01477	1.94997132	0.000628441	5.269E-08	0.0540499	0.0297017	0.0451922	0.013445	0.00231374	2.090675
5705	486473.51	3856408.77	0.1051	0.0148	0.01952	0.5613	0.04174	0.18076	0.08082	0.0148	1.94018731	0.000629717	4.682E-08	0.0523108	0.0346298	0.0449906	0.013192	0.00231844	2.083622
5706	486548.17	3856472.24	0.10404	0.015	0.01771	0.56947	0.04966	0.17947	0.08013	0.015	1.92061929	0.000638227	4.247E-08	0.0530722	0.0412007	0.0446695	0.01308	0.00234977	2.07093
5707	486622.84	3856535.7	0.10288	0.01522	0.01615	0.82116	0.06017	0.17715	0.07894	0.01522	1.89920524	0.000647588	3.873E-08	0.0765287	0.0499204	0.044092	0.012885	0.00238423	2.080895
5708	486765.48	3856659.69	0.10099	0.01583	0.01391	0.5822	0.09445	0.17705	0.07557	0.01583	1.86431509	0.000673542	3.336E-08	0.0542586	0.0783609	0.0440671	0.012335	0.00247979	2.051531
5709	486833.44	3856720.2	0.10059	0.01608	0.01316	1.05717	0.12239	0.17958	0.07454	0.01608	1.85693094	0.000684179	3.156E-08	0.0985239	0.1015415	0.0446969	0.012167	0.00251895	2.112025
5710	486901.41	3856780.72	0.10006	0.01642	0.0127	1.02795	0.16679	0.18177	0.07339	0.01642	1.84714693	0.000698646	3.046E-08	0.0958007	0.1383782	0.0452419	0.011979	0.00257221	2.136674
5711	486969.38	3856841.24	0.0996	0.01672	0.01237	0.99362	0.2441	0.18387	0.07252	0.01672	1.83865515	0.00071141	2.967E-08	0.0926013	0.2025189	0.0457646	0.011837	0.00261921	2.189469
5712	487037.34	3856901.75	0.09923	0.01702	0.01215	0.9615	0.40721	0.18546	0.07177	0.01702	1.8318248	0.000724175	2.914E-08	0.0896078	0.337844	0.0461604	0.011715	0.0026662	2.31521
5713	487271.23	3856855.51	0.06529	0.01507	0.01134	0.12842	1.47326	0.06725	0.0399	0.01507	1.20527906	0.000641205	2.72E-08	0.0119682	1.222298	0.0167383	0.006513	0.00236073	2.461077
5714	487368.95	3856857.29	0.05986	0.01459	0.01096	0.09933	1.77255	0.05696	0.03489	0.01459	1.10503913	0.000620782	2.629E-08	0.0092571	1.4706056	0.0141772	0.005695	0.00228554	2.603109
5715	487466.68	3856859.06	0.05543	0.0142	0.01088	0.08137	1.84536	0.0499	0.03107	0.0142	1.02325959	0.000604188	2.609E-08	0.0075833	1.5310128	0.0124199	0.005072	0.00222445	2.577727
5716	487636.44	3856930	0.05155	0.01407	0.01039	0.06965	2.39846	0.04549	0.02809	0.01407	0.95163326	0.000598657	2.492E-08	0.0064911	1.9898952	0.0113223	0.004585	0.00220408	2.962322
5717	487709.57	3856928.43	0.04906	0.01379	0.01027	0.06246	2.28483	0.04227	0.02614	0.01379	0.90566688	0.000586743	2.463E-08	0.005821	1.8956214	0.0105209	0.004267	0.00216022	2.820324
5718	487782.55	3856841.96	0.04491	0.01287	0.01061	0.05105	1.35404	0.03621	0.02278	0.01287	0.82905625	0.000547599	2.545E-08	0.0047576	1.1233865	0.0090125	0.003718	0.0020161	1.968463
5719	487849.83	3856754.74	0.04173	0.01211	0.01094	0.04359	1.02649	0.03194	0.02034	0.01211	0.7703522	0.000515262	2.624E-08	0.0040624	0.8516329	0.0079498	0.00332	0.00189705	1.635936
5720	487918.03	3856819.39	0.0414	0.01237	0.01067	0.04379	1.4935	0.03239	0.02034	0.01237	0.76426027	0.000526324	2.559E-08	0.004081	1.2390903	0.0080618	0.00332	0.00193778	2.017402
5721	487918.8	3856886.37	0.04258	0.01282	0.01044	0.04683	1.77257	0.03438	0.02131	0.01282	0.78604354	0.000545471	2.504E-08	0.0043644	1.4706222	0.0085571	0.003478	0.00200827	2.271603
5722	488065.46	3857127.5	0.04448	0.014	0.01137	0.05325	2.36622	0.03948	0.02309	0.014	0.82111828	0.000595678	2.727E-08	0.0049627	1.9631471	0.0098264	0.003769	0.00219312	2.801226
5723	488192.19	3857385.83	0.04813	0.01616	0.01714	0.06533	2.01031	0.0495	0.02608	0.01616	0.88849872	0.000687583	4.111E-08	0.0060885	1.6678645	0.0123204	0.004257	0.00253148	2.577185
5724	488191.21	3857473.87	0.05128	0.01737	0.02176	0.0757	1.86305	0.05658	0.02854	0.01737	0.94664896	0.000739067	5.219E-08	0.0070549	1.5456894	0.0140826	0.004659	0.00272103	2.516152
5725	488190.24	3857561.9	0.05518	0.01878	0.02853	0.09028	1.67018	0.06642	0.03157	0.01878	1.01864449	0.00079906	6.842E-08	0.0084137	1.3856738	0.0165317	0.005153	0.00294191	2.432274
5726	488158.35	3857691.13	0.0653	0.02153	0.04626	0.14041	1.11272	0.09794	0.03939	0.02153	1.20546367	0.000916068	1.109E-07	0.0130856	0.9231741	0.0243769	0.00643	0.0033727	2.170073
5727	488208.37	3857816.66	0.07377	0.02409	0.07386	0.1989	0.20079	0.15346	0.04498	0.02409	1.36182319	0.001024992	1.771E-07	0.0185367	0.1665865	0.0381957	0.007342	0.00377373	1.589735
5728	488271.97	3857874.6	0.07417	0.02495	0.08112	0.19958	0.1178	0.16035	0.04476	0.02495	1.36920735	0.001061584	1.946E-07	0.0186	0.0977334	0.0399106	0.007306	0.00390845	1.529911
5729	488463.56	3857942.31	0.06453	0.02447	0.07079	0.13085	0.08492	0.11312	0.03741	0.02447	1.19124916	0.001041161	1.698E-07	0.0121947	0.0704543	0.0281552	0.006106	0.00383326	1.305368
5730	488554.83	3857940.83	0.05922	0.02326	0.06346	0.10434	0.08544	0.09486	0.03327	0.02326	1.09322448	0.000989677	1.522E-07	0.0097241	0.0708858	0.0236103	0.005431	0.00364371	1.200221
5731	488646.1	3857939.36	0.05531	0.02217	0.05736	0.08796	0.08496	0.08243	0.03	0.02217	1.02104434	0.000943299	1.376E-07	0.0081975	0.0704875	0.0205165	0.004897	0.00347296	1.122613
5732	488737.37	3857937.88	0.05245	0.02116	0.05221	0.07705	0.08424	0.07338	0.02738	0.02116	0.96824762	0.000900325	1.252E-07	0.0071807	0.0698902	0.018264	0.004469	0.00331474	1.065637
5733	488733.59	3857960.57	0.05387	0.02167	0.05241	0.08053	0.07713	0.07571	0.02811	0.02167	0.99446137	0.000922025	1.257E-07	0.0075051	0.0639913	0.018844	0.004588	0.00339463	1.086918
5734	488638.09	3857961.57	0.05696	0.02277	0.05801	0.09331	0.07762	0.08596	0.03103	0.02277	1.05150399	0.000968828	1.391E-07	0.0086961	0.0643978	0.0213952	0.005065	0.00356695	1.14846
5735	488542.6	3857962.56	0.06136	0.024	0.06478	0.11328	0.07781	0.10045	0.03476	0.024	1.13272972	0.001021163	1.554E-07	0.0105572	0.0645555	0.0250017	0.005674	0.00375963	1.23578
5736	488447.1	3857963.56	0.06765	0.02533	0.07297	0.14794	0.07698	0.12281	0.03956	0.02533	1.24884559	0.001077752	1.75E-07	0.0137874	0.0638669	0.030567	0.006457	0.00396798	1.360634
5737	488254.28	3857890.36	0.0786	0.02571	0.08576	0.2392	0.10347	0.18204	0.0476	0.02571	1.45098689	0.001093921	2.057E-07	0.0222925	0.0858444	0.0453091	0.00777	0.0040275	1.609269
5738	488191.69	3857833.06	0.07813	0.02476	0.07892	0.23814	0.16432	0.17924	0.04779	0.02476	1.44231051	0.0010535	1.893E-07	0.0221937	0.136329	0.0446122	0.007801	0.00387868	1.650421
5739	488129.5	3857907.43	0.11138	0.02843	0.10531	1.02666	0.07853	0.44157	0.06509	0.02843	2.05611858	0.001209653	2.526E-07	0.0956805	0.0651528	0.1099053	0.010625	0.00445359	2.334238
5740	488196.47	3857968.73	0.11229	0.02976	0.10548	1.03279	0.06321	0.40248	0.06472	0.02976	2.07291753	0.001266242	2.53E-07	0.0962518	0.0524425	0.1001759	0.010564	0.00466194	2.328956
5741	488263.44	3858030.04	0.11331	0.03111	0.09442	1.03165	0.05347	0.3926	0.06397	0.03111	2.09174714	0.001323683	2.265E-07	0.0961455	0.0443617	0.0977168	0.010442	0.00487342	2.336863
5742	488400.64	3858132.9	0.11116	0.03304	0.06512	0.68046	0.04319	0.30716	0.05962	0.03304	2.05205729	0.001405801	1.562E-07	0.0634161	0.0358328	0.0764511	0.009732	0.00517576	2.233719
5743	488519.89	3858218.38	0.11223	0.03538	0.04814	0.49498	0.03627	0.25205	0.05781	0.03538	2.07180991	0.001505364	1.155E-07	0.0461301	0.0300916	0.0627344	0.009436	0.00554232	2.216165
5744	488647.97	3858214.99	0.09698	0.03156	0.04262	0.20057	0.03671	0.13867	0.04484	0.03156	1.79028892	0.001342829	1.022E-07	0.0186923	0.0304566	0.0345145	0.007319	0.00494391	1.877671
5745	488727.05	3858167.67	0.08537	0.02781	0.04274	0.12957	0.0405	0.10233	0.03687	0.02781	1.57596375	0.001183273	1.025E-07	0.0120754	0.033601	0.0254696	0.006018	0.00435647	1.649955
5746	488806.12	3858120.35	0.07806	0.02488	0.04261	0.09863	0.04548	0.08383	0.03146	0.02488	1.44101828	0.001058606	1.022E-07	0.0091919	0.0377327	0.020865	0.005135	0.00389748	1.511104
5747	488885.2	3858073.03	0.07275	0.02254	0.04202	0.0814	0.05213	0.07206	0.0275	0.02254	1.34299359	0.000959042	1.008E-07	0.0075861	0.0432499	0.0179355	0.004489	0.00353092	1.413682
5748	489055.76	3857991.17	0.067	0.01909	0.03842	0.06318	0.06732	0.05701	0.02212	0.01909	1.23684633	0.00081225	9.214E-08	0.0058881	0.0558524	0.0141896	0.003611	0.00299047	1.314209
5749	489245.39	3857944.54	0.0679	0.01686	0.03391	0.05382	0.07567	0.04765	0.01886	0.01686	1.25346069	0.000717367	8.133E-08	0.0050158	0.06278	0.0118599	0.003078	0.00264114	1.334271
5750	489430.63	3857930.91	0.06957	0.01559	0.03029	0.04985	0.07521	0.04222	0.01693	0.01559	1.28428954	0.00066333	7.265E-08	0.0046458	0.0623984	0.0105084	0.002763	0.00244219	1.362827
5751	489517.74	3857929.36	0.06939	0.0151	0.0285	0.04916	0.07392	0.04024	0.01621	0.0151	1.28096667	0.000642482	6.835E-08	0.0045815	0.0613281	0.0100156	0.002646	0.00236543	1.357815
5752	489604.85	3857927.82	0.06838	0.01462	0.02674	0.0487	0.07271	0.03843	0.01554	0.01462	1.26232168	0.000622058	6.413E-08	0.0045386	0.0603242	0.0095651	0.002537	0.00229024	1.337618
5753	489691.97	3857926.28	0.06702	0.0142	0.0252	0.04794	0.0713	0.03684	0.01495	0.0142	1.23721554	0.000604188	6.044E-08	0.0044678	0.0591544	0.0091694	0.00244	0.00222445	1.310827

5754	489779.08	3857924.73	0.0655	0.01379	0.02371	0.04773	0.0699	0.03536	0.0144	0.01379	1.20915574	0.000586743	5.686E-08	0.0044482	0.0579929	0.008801	0.00235	0.00216022	1.281175
5755	490017.55	3857875.08	0.05316	0.01248	0.02079	0.04477	0.07123	0.0312	0.01285	0.01248	0.98135449	0.000531005	4.986E-08	0.0041724	0.0590964	0.0077656	0.002097	0.00195501	1.053062
5756	490033.82	3857960.81	0.05233	0.01307	0.02031	0.05363	0.06097	0.03234	0.01328	0.01307	0.96603237	0.000556108	4.871E-08	0.0049981	0.0505841	0.0080493	0.002168	0.00204743	1.03034
5757	489959.15	3857987.49	0.0521	0.01362	0.02098	0.05691	0.05881	0.03387	0.01386	0.01362	0.96178648	0.00057951	5.032E-08	0.0053038	0.048792	0.0084301	0.002262	0.00213359	1.025021
5758	489791.49	3858016.12	0.04982	0.0145	0.02276	0.05925	0.0576	0.03674	0.01495	0.0145	0.91969678	0.000616953	5.459E-08	0.0055219	0.0477881	0.0091445	0.00244	0.00227144	0.982937
5759	489698.51	3858018.07	0.05192	0.01499	0.02431	0.05789	0.05815	0.03848	0.0156	0.01499	0.95846361	0.000637801	5.83E-08	0.0053951	0.0482445	0.0095775	0.002546	0.0023482	1.022517
5760	489605.52	3858020.01	0.05404	0.01553	0.02595	0.05788	0.05863	0.04042	0.01632	0.01553	0.99759964	0.000660778	6.224E-08	0.0053942	0.0486427	0.0100604	0.002664	0.00243279	1.062589
5761	489512.53	3858021.96	0.05624	0.0161	0.02774	0.05819	0.05903	0.04257	0.01711	0.0161	1.0382125	0.00068503	6.653E-08	0.0054231	0.0489746	0.0105955	0.002793	0.00252208	1.104162
5762	489419.55	3858023.91	0.05869	0.01674	0.02959	0.05846	0.05928	0.04505	0.01801	0.01674	1.08344047	0.000712261	7.097E-08	0.0054482	0.049182	0.0112128	0.00294	0.00262234	1.150313
5763	489228.47	3858041.29	0.06506	0.01826	0.03256	0.06253	0.05785	0.05139	0.0203	0.01826	1.20103317	0.000776935	7.809E-08	0.0058275	0.0479956	0.0127908	0.003314	0.00286045	1.268877
5764	489065.75	3858085.78	0.06992	0.02066	0.03538	0.07224	0.05073	0.06092	0.02373	0.02066	1.29075068	0.000879051	8.485E-08	0.0067325	0.0420884	0.0151628	0.003873	0.00323641	1.35625
5765	489001.12	3858114.86	0.07414	0.02201	0.03615	0.0787	0.04659	0.06637	0.02573	0.02201	1.36865354	0.000936492	8.67E-08	0.0073345	0.0386536	0.0165193	0.0042	0.00344789	1.43285
5766	488861.89	3858189.81	0.08368	0.02592	0.03649	0.10492	0.03838	0.08473	0.03205	0.02592	1.54476569	0.001102856	8.752E-08	0.0097781	0.0318422	0.021089	0.005231	0.0040604	1.609749
5767	488787.29	3858235.69	0.08945	0.02917	0.03633	0.1371	0.03471	0.1037	0.03754	0.02917	1.65128216	0.001241139	8.713E-08	0.0127772	0.0287973	0.0258106	0.006128	0.00456952	1.721467
5768	488712.68	3858281.57	0.09762	0.03305	0.03589	0.20935	0.03218	0.14018	0.04525	0.03305	1.80210357	0.001406227	8.608E-08	0.0195106	0.0266983	0.0348903	0.007386	0.00517732	1.886818
5769	488654.39	3858436.17	0.10538	0.04771	0.02799	0.52229	0.02517	0.35296	0.0753	0.04771	1.94535622	0.002029987	6.713E-08	0.0486753	0.0208824	0.0878505	0.012291	0.00747383	2.109612
5770	488726.3	3858505.26	0.09548	0.05142	0.02391	0.48243	0.02292	0.31699	0.07595	0.05142	1.76259833	0.002187842	5.734E-08	0.0449605	0.0190157	0.0788977	0.012397	0.00805501	1.912002
5771	488880.6	3858599.28	0.10001	0.05267	0.02028	0.80766	0.02	0.41361	0.06621	0.05267	1.84622391	0.002241027	4.864E-08	0.0752706	0.0165931	0.1029461	0.010807	0.00825082	2.045831
5772	489008.06	3858714.75	0.0693	0.05993	0.01861	1.11024	0.01718	0.40859	0.06981	0.05993	1.27930524	0.002549929	4.463E-08	0.1034698	0.0142535	0.1016967	0.011395	0.00938811	1.503282
5773	489071.48	3858772.72	0.06503	0.06442	0.01858	0.87054	0.01599	0.40787	0.07369	0.06442	1.20047936	0.002740972	4.456E-08	0.0811307	0.0132662	0.1015175	0.012028	0.01009147	1.401072
5774	489244.59	3858920.19	0.06246	0.07796	0.02191	1.37631	0.01335	0.38696	0.08341	0.07796	1.15303615	0.003317078	5.255E-08	0.1282664	0.0110759	0.096313	0.013615	0.01221253	1.393411
5775	489239.69	3858952.23	0.06622	0.09079	0.02315	0.9819	0.0131	0.32867	0.09792	0.09079	1.22244723	0.003862974	5.552E-08	0.091509	0.0108685	0.0818048	0.015983	0.01422236	1.412254
5776	489121.67	3858854.49	0.06604	0.07859	0.01948	0.66052	0.01473	0.29752	0.09001	0.07859	1.21912436	0.003343883	4.672E-08	0.0615577	0.0122208	0.0740517	0.014692	0.01231122	1.37268
5777	489059.59	3858797.27	0.06709	0.07187	0.01866	0.60003	0.01577	0.29757	0.08417	0.07187	1.23850777	0.003057958	4.475E-08	0.0559203	0.0130837	0.0740642	0.013739	0.01125852	1.387114
5778	488997.52	3858740.04	0.07058	0.06614	0.01846	0.60798	0.01692	0.30029	0.07879	0.06614	1.30293454	0.002814155	4.427E-08	0.0566612	0.0140378	0.0747412	0.012861	0.01036091	1.453689
5779	488935.44	3858682.82	0.07924	0.06142	0.01885	0.57592	0.01816	0.31569	0.07489	0.06142	1.46280154	0.002613326	4.521E-08	0.0536734	0.0150665	0.0785742	0.012224	0.00962152	1.615332
5780	488869.17	3858848.43	0.10704	0.17209	0.01699	0.08389	0.01583	0.07795	0.33711	0.17209	1.97600047	0.007322164	4.075E-08	0.0078182	0.0131334	0.0194015	0.055026	0.02695811	2.051744
5781	488932.48	3858892.69	0.10661	0.18727	0.01775	0.09177	0.0152	0.07892	0.3355	0.18727	1.9680625	0.00796805	4.257E-08	0.0085526	0.0126108	0.0196429	0.054763	0.02933607	2.042264
5782	489063.27	3858977.17	0.09921	0.21175	0.0209	0.1217	0.01395	0.08187	0.30352	0.21175	1.83145559	0.009009636	5.013E-08	0.0113419	0.0115737	0.0203772	0.049543	0.0331709	1.90013
5783	489248.2	3859117.15	0.08721	0.33661	0.03371	0.42298	0.01197	0.07596	0.39193	0.33661	1.60993088	0.014322236	8.085E-08	0.03942	0.009931	0.0189062	0.063974	0.05273037	1.703754
5784	489296.25	3859049.22	0.07607	0.13213	0.03023	0.36389	0.01203	0.14104	0.13983	0.13213	1.4042821	0.005621928	7.25E-08	0.033913	0.0099808	0.0351044	0.022824	0.02069833	1.491028
5785	489353.38	3858993.96	0.07134	0.08278	0.02709	1.05206	0.01213	0.40761	0.08466	0.08278	1.31696444	0.003522161	6.497E-08	0.0980476	0.0100637	0.1014527	0.013819	0.01296759	1.530902
5786	489537.24	3859120.22	0.08214	0.09255	0.05277	0.84746	0.01045	0.42372	0.09309	0.09255	1.51633668	0.00393786	1.266E-07	0.0789798	0.0086699	0.1054625	0.015195	0.01449807	1.714084
5787	489726.98	3859246.04	0.08087	0.10363	0.17786	0.88793	0.00909	0.41165	0.10379	0.10363	1.49289199	0.004409297	4.266E-07	0.0827514	0.0075416	0.1024583	0.016942	0.01623377	1.690761
5788	489911.46	3859366.33	0.07895	0.11477	1.27149	0.88791	0.00811	0.39425	0.11587	0.11477	1.45744803	0.004883286	3.049E-06	0.0827495	0.0067285	0.0981275	0.018913	0.01797886	1.650874
5789	490035.3	3859430.26	0.08156	0.11399	0.74415	1.00289	0.00758	0.43177	0.11491	0.11399	1.50562966	0.004850099	1.785E-06	0.0934652	0.0062888	0.1074661	0.018757	0.01785667	1.718602
5790	490101.11	3859458.61	0.07876	0.11038	0.44775	0.96657	0.0074	0.41809	0.11105	0.11038	1.45394056	0.004696499	1.074E-06	0.0900803	0.0061394	0.1040612	0.018127	0.01729116	1.659754
5791	490312.68	3859560.3	0.07179	0.11937	0.12434	0.98426	0.00683	0.34549	0.11972	0.11937	1.32527162	0.005079009	2.982E-07	0.091729	0.0056665	0.0859913	0.019542	0.01869946	1.51458
5792	490401.63	3859603.12	0.07402	0.12686	0.0856	0.98589	0.00663	0.34127	0.12805	0.12686	1.36643829	0.005397697	2.053E-07	0.0918809	0.0055006	0.0849409	0.020901	0.01987277	1.555187
5793	490490.57	3859645.94	0.07305	0.1346	0.06283	0.98574	0.00645	0.33625	0.1368	0.1346	1.34853171	0.005727022	1.507E-07	0.0918669	0.0053513	0.0836915	0.02233	0.02108525	1.536413
5794	490579.51	3859688.76	0.07134	0.14195	0.04834	0.98548	0.0063	0.33071	0.1453	0.14195	1.31696444	0.006039754	1.159E-07	0.0918427	0.0052268	0.0823126	0.023717	0.02223664	1.503867
5795	490668.45	3859731.58	0.06946	0.14603	0.03767	0.9764	0.00616	0.32008	0.15064	0.14603	1.2822589	0.006213351	9.035E-08	0.0909964	0.0051107	0.0796668	0.024589	0.02287578	1.465959
5796	490757.4	3859774.4	0.06759	0.15859	0.03103	0.9941	0.00599	0.3244	0.16494	0.15859	1.24773797	0.00674776	7.442E-08	0.092646	0.0049696	0.0807421	0.026923	0.02484332	1.434923
5797	491003.53	3859861.82	0.0657	0.13773	0.0218	1.02886	0.0057	0.3066	0.14404	0.13773	1.21284782	0.005860199	5.228E-08	0.0958855	0.004729	0.0763117	0.023511	0.02157557	1.39757
5798	491081.41	3859879.05	0.06587	0.12187	0.02055	1.09765	0.00564	0.31508	0.12489	0.12187	1.21598609	0.005185381	4.929E-08	0.1022964	0.0046793	0.0784223	0.020386	0.01909108	1.407864
5799	491229.76	3859917.82	0.06631	0.09862	0.01812	1.05516	0.00552	0.33063	0.09787	0.09862	1.22410866	0.004196129	4.346E-08	0.0983365	0.0045797	0.0822927	0.015975	0.01544894	1.41404
5800	491300.22	3859939.35	0.06423	0.08964	0.01683	1.0411	0.00545	0.32782	0.08912	0.08964	1.18571105	0.003814044	4.036E-08	0.0970262	0.0045216	0.0815933	0.014547	0.01404222	1.373171
5801	491350.48	3860012.03	0.06344	0.10712	0.01379	0.28761	0.00511	0.29513	0.10565	0.10712	1.17112733	0.004557791	3.307E-08	0.0268041	0.0042395	0.0734569	0.017245	0.01678048	1.28065
5802	491406.82	3860092.56	0.06261	0.12465	0.01134	0.10438	0.00482	0.08869	0.12379	0.12465	1.15580521	0.005303665	2.72E-08	0.0097278	0.0039989	0.0220746	0.020206	0.01952657	1.19759
5803	491483.36	3860121.96	0.06246	0.10598	0.01068	0.0949	0.00475	0.08295	0.10655	0.10598	1.15303615	0.004509286	2.561E-08	0.0088443	0.0039409	0.020646	0.017392	0.0166019	1.191767
5804	491559.91	3860151.35	0.06187	0.09233	0.01006	0.08285	0.00468	0.07549	0.0936	0.09233	1.14214452	0.003928499	2.413E-08	0.0077213	0.0038828	0.0187892	0.015278	0.01446361	1.177281
5805	491711.81	3860237.76	0.06107	0.06684	0.00886	0.04211	0.00461	0.04978	0.06872	0.06684	1.1273762	0.002843939	2.125E-08	0.0039245	0.0038247	0.0123901	0.011217	0.01047057	1.151106
5806	491755.2	3860319.07	0.05069	0.09579	0.00725	0.02886	0.00419	0.03618	0.09971	0.09579	0.93575732	0.004075717	1.739E-08	0.0026896	0.0034763	0.0090051	0.016276	0.01500562	0.956274
5807	491704.71	3860366.54	0.0455	0.15387	0.00659	0.02536	0.00406	0.02967	0.16257	0.15387	0.83994788	0.006546931	1.581E-08	0.0023634	0.0033684	0.0073848	0.026536	0.02410392	0.862044
5808	491623.42	3860462.39	0.02014	0.17018	0.00554	0.02082	0.00384	0.02274	0.14981	0.17018	0.37179232	0.007240897	1.329E-08	0.0019403	0.0031859	0.0056599	0.024453	0.0266589	0.387614
5809	491534.02	3860439.84	0.02119	0.07019	0.00605	0.02284	0.00404	0.02377	0.06721	0.07019	0.39117573	0.002986476	1.451E-08	0.0021286	0.0033518	0.0059163	0.010971	0.01099535	0.405534
5810	491313.95	3860268.17	0.02794	0.087	0.00729	0.03268	0.00423	0.02939	0.08673	0.087	0.51578338	0.003701716	1.748E-08	0.0030456	0.0035094	0.0073151	0.014157	0.01362866	0.533883

5811	491187.12	3860143.56	0.03483	0.12379	0.00952	0.04905	0.00459	0.04014	0.13049	0.12379	0.64297549	0.005267074	2.283E-08	0.0045713	0.0038081	0.0099907	0.0213	0.01939185	0.668521
5812	491070.43	3860075.97	0.03397	0.10905	0.01118	0.05993	0.00481	0.04734	0.11076	0.10905	0.62709955	0.004639909	2.681E-08	0.0055852	0.0039906	0.0117828	0.018079	0.01708282	0.654095
5813	490995.09	3860039.38	0.03417	0.10068	0.01224	0.06601	0.00492	0.05162	0.10239	0.10068	0.63079163	0.004283779	2.936E-08	0.0061519	0.0040819	0.012848	0.016713	0.01577164	0.659099
5814	490919.75	3860002.8	0.0343	0.10309	0.01351	0.07336	0.00504	0.05712	0.10047	0.10309	0.63319148	0.00438632	3.24E-08	0.0068368	0.0041815	0.014217	0.0164	0.01614917	0.663064
5815	490756.81	3859894.53	0.03732	0.24408	0.01938	0.11862	0.00544	0.09321	0.22205	0.24408	0.68894187	0.010385228	4.648E-08	0.0110549	0.0045133	0.0231997	0.036245	0.03823543	0.736105
5816	490668.07	3859860.92	0.03716	0.22884	0.02154	0.11173	0.00552	0.08576	0.21149	0.22884	0.68598821	0.009736789	5.166E-08	0.0104128	0.0045797	0.0213454	0.034521	0.03584806	0.730736
5817	490579.34	3859827.3	0.03791	0.222	0.02444	0.10623	0.00563	0.08017	0.20851	0.222	0.6998335	0.009445758	5.862E-08	0.0099002	0.004671	0.019954	0.034035	0.03477657	0.743063
5818	490490.6	3859793.68	0.03889	0.20552	0.02786	0.10022	0.00573	0.07454	0.19623	0.20552	0.71792469	0.008744559	6.682E-08	0.0093401	0.0047539	0.0185528	0.03203	0.03219496	0.759151
5819	490401.86	3859760.07	0.04004	0.19363	0.03235	0.09539	0.00583	0.07002	0.18749	0.19363	0.73915414	0.008238658	7.759E-08	0.00889	0.0048369	0.0174277	0.030604	0.03033238	0.778819
5820	490313.12	3859726.45	0.04123	0.18846	0.03859	0.09188	0.00598	0.06651	0.18484	0.18846	0.76112201	0.008018682	9.255E-08	0.0085628	0.0049613	0.0165541	0.030171	0.02952249	0.799868
5821	490224.39	3859692.83	0.04244	0.18419	0.04741	0.08915	0.00615	0.0635	0.18269	0.18419	0.78345908	0.007837	1.137E-07	0.0083084	0.0051024	0.0158049	0.02982	0.02885359	0.821479
5822	490135.65	3859659.22	0.04333	0.18046	0.06057	0.08713	0.00638	0.0608	0.18071	0.18046	0.79988883	0.007678295	1.453E-07	0.0081202	0.0052932	0.0151329	0.029497	0.02826928	0.837341
5823	489918.18	3859559.23	0.04804	0.19011	0.1799	0.08931	0.00715	0.05981	0.18316	0.19011	0.88683728	0.008088887	4.315E-07	0.0083233	0.005932	0.0148865	0.029897	0.02978096	0.924184
5824	489743.61	3859486	0.0512	0.12579	0.75358	0.08795	0.00794	0.05686	0.1208	0.12579	0.94517212	0.00535217	1.807E-06	0.0081966	0.0065875	0.0141523	0.019718	0.01970516	0.979475
5825	489660.32	3859440.27	0.05308	0.12565	0.75194	0.09196	0.00842	0.05708	0.11997	0.12565	0.97987766	0.005346214	1.803E-06	0.0085703	0.0069857	0.014207	0.019583	0.01968323	1.014888
5826	489577.04	3859394.53	0.05464	0.12565	0.32513	0.09833	0.00896	0.05729	0.1192	0.12565	1.00867588	0.005346214	7.798E-07	0.0091639	0.0074337	0.0142593	0.019457	0.01968323	1.044653
5827	489493.75	3859348.8	0.05604	0.125	0.15162	0.10932	0.00952	0.05764	0.11747	0.125	1.03452043	0.005318557	3.636E-07	0.0101882	0.0078983	0.0143464	0.019174	0.0195814	1.071865
5828	489321.28	3859240.02	0.06175	0.15791	0.05379	0.19414	0.01089	0.06077	0.13501	0.15791	1.13992927	0.006718827	1.29E-07	0.018093	0.0090349	0.0151254	0.022037	0.02473679	1.186202
5829	489235.41	3859193.96	0.06456	0.1561	0.03888	0.49591	0.01162	0.06162	0.12683	0.1561	1.19180297	0.006641814	9.325E-08	0.0462168	0.0096406	0.015337	0.020702	0.02445326	1.265888
5830	489149.54	3859147.89	0.06798	0.14849	0.02992	0.14925	0.01221	0.0629	0.11438	0.14849	1.25493752	0.00631802	7.176E-08	0.0139095	0.0101301	0.0156556	0.01867	0.02326114	1.29636
5831	489063.68	3859101.82	0.07342	0.14774	0.02441	0.08627	0.01281	0.0645	0.10102	0.14774	1.35536206	0.006286109	5.854E-08	0.00804	0.0106279	0.0160538	0.016489	0.02314365	1.389716
5832	488977.81	3859055.75	0.08198	0.14653	0.02076	0.06872	0.0133	0.06637	0.08633	0.14653	1.51338302	0.006234625	4.979E-08	0.0064044	0.0110344	0.0165193	0.014092	0.0229541	1.544713
5833	488891.94	3859009.69	0.09536	0.14146	0.0182	0.05867	0.0135	0.0687	0.07365	0.14146	1.76038308	0.006018905	4.365E-08	0.0054678	0.0112003	0.0170992	0.012022	0.02215988	1.790031
5834	488808	3859060.73	0.10747	0.04935	0.01671	0.04452	0.01198	0.07066	0.03524	0.04935	1.98393844	0.002099766	4.008E-08	0.0041491	0.0099393	0.017587	0.005752	0.00773074	2.015735
5835	488809.93	3859157.85	0.1045	0.02968	0.01629	0.03924	0.0105	0.0688	0.0243	0.02968	1.92911107	0.001262838	3.907E-08	0.003657	0.0087114	0.0171241	0.003966	0.00464941	1.959183
5836	488811.85	3859254.96	0.10247	0.02143	0.01542	0.03551	0.00915	0.06565	0.01862	0.02143	1.89163648	0.000911813	3.698E-08	0.0033094	0.0075913	0.0163401	0.003039	0.00335704	1.919471
5837	488813.78	3859352.07	0.10097	0.01692	0.0141	0.03277	0.00794	0.06307	0.01517	0.01692	1.86394589	0.00071992	3.382E-08	0.003054	0.0065875	0.0156979	0.002476	0.00265054	1.889831
5838	488815.71	3859449.19	0.10084	0.0141	0.01315	0.03062	0.00692	0.06129	0.01287	0.0141	1.86154603	0.000599933	3.154E-08	0.0028537	0.0057412	0.0152549	0.002101	0.00220878	1.885888
5839	488910.04	3859547.1	0.09592	0.01304	0.01481	0.03433	0.0069	0.05375	0.01212	0.01304	1.7707209	0.000554832	3.552E-08	0.0031994	0.0057246	0.0133782	0.001978	0.00204273	1.793514
5840	489002.45	3859547.91	0.08919	0.01415	0.01727	0.04449	0.00779	0.0495	0.01325	0.01415	1.64648246	0.000602061	4.142E-08	0.0041463	0.006463	0.0123204	0.002163	0.00221661	1.66996
5841	489094.85	3859548.71	0.08335	0.01552	0.02066	0.071	0.00856	0.0464	0.01464	0.01552	1.53867376	0.000660352	4.955E-08	0.0066169	0.0071018	0.0115488	0.00239	0.00243123	1.56456
5842	489230.05	3859601.87	0.07869	0.01614	0.02533	0.49404	0.00882	0.0425	0.01538	0.01614	1.45264833	0.000686732	6.075E-08	0.0460425	0.0073176	0.0105781	0.00251	0.00252835	1.517255
5843	489227.52	3859680.89	0.07654	0.01388	0.02012	0.51498	0.00821	0.04117	0.01327	0.01388	1.41295848	0.000590573	4.825E-08	0.047994	0.0068115	0.0102471	0.002166	0.00217432	1.478593
5844	489133.47	3859760.29	0.05834	0.01142	0.01439	0.09787	0.00697	0.04206	0.01089	0.01142	1.07697933	0.000485903	3.451E-08	0.0091211	0.0057827	0.0104686	0.001778	0.00178896	1.102826
5845	489041.96	3859760.67	0.06122	0.01072	0.01329	0.04827	0.00623	0.04485	0.01016	0.01072	1.13014526	0.000456119	3.187E-08	0.0044986	0.0051688	0.011163	0.001658	0.0016793	1.151411
5846	488950.45	3859761.05	0.06279	0.0101	0.01223	0.03436	0.00545	0.04863	0.00952	0.0101	1.15912808	0.000429739	2.933E-08	0.0032022	0.0045216	0.0121038	0.001554	0.00158218	1.179357
5847	488858.94	3859761.43	0.06402	0.00957	0.01122	0.02774	0.00474	0.05387	0.00897	0.00957	1.18183436	0.000407189	2.691E-08	0.0025853	0.0039326	0.0134081	0.001464	0.00149915	1.202132
5848	488767.43	3859761.82	0.0654	0.00907	0.01026	0.02373	0.00416	0.06165	0.00846	0.00907	1.20730971	0.000385915	2.461E-08	0.0022115	0.0034514	0.0153445	0.001381	0.00142083	1.228663
5849	488675.92	3859762.2	0.06751	0.00864	0.00944	0.02106	0.00374	0.07346	0.00803	0.00864	1.24626113	0.000367619	2.264E-08	0.0019627	0.0031029	0.0182839	0.001311	0.00135347	1.269936
5850	488584.41	3859762.58	0.07115	0.00824	0.00873	0.01895	0.00343	0.09479	0.00763	0.00824	1.31345697	0.000350599	2.094E-08	0.0017661	0.0028457	0.0235929	0.001245	0.00129081	1.341967
5851	488492.9	3859762.96	0.07884	0.00789	0.00815	0.01723	0.0032	0.14519	0.00729	0.00789	1.45541739	0.000335707	1.955E-08	0.0016058	0.0026549	0.0361373	0.00119	0.00123598	1.496105
5852	488402.76	3859830.95	0.09283	0.00723	0.00739	0.01544	0.0029	0.34273	0.0067	0.00723	1.71367829	0.000307625	1.772E-08	0.0014389	0.002406	0.0853043	0.001094	0.00113259	1.803096
5853	488404.14	3859898.55	0.09434	0.00692	0.0071	0.01503	0.00275	0.3399	0.00644	0.00692	1.74155348	0.000294435	1.703E-08	0.0014007	0.0022816	0.0846	0.001051	0.00108403	1.830097
5854	488505.18	3859964.96	0.09559	0.0069	0.00704	0.01608	0.00273	0.13365	0.00647	0.0069	1.76462897	0.000293584	1.688E-08	0.0014986	0.002265	0.033265	0.001056	0.00108089	1.801926
5855	488604.84	3859963.76	0.09137	0.00715	0.00729	0.01776	0.00289	0.08636	0.00672	0.00715	1.68672611	0.000304221	1.748E-08	0.0016552	0.0023977	0.0214947	0.001097	0.00112006	1.712555
5856	488704.51	3859962.56	0.08911	0.00744	0.00754	0.01996	0.0031	0.06672	0.00701	0.00744	1.64500562	0.000316561	1.808E-08	0.0018602	0.0025719	0.0166064	0.001144	0.00116549	1.666339
5857	488804.18	3859961.37	0.08743	0.00777	0.00784	0.02317	0.00343	0.0558	0.00734	0.00777	1.61399216	0.000330602	1.88E-08	0.0021593	0.0028457	0.0138884	0.001198	0.00121718	1.633197
5858	488903.85	3859960.17	0.08579	0.00814	0.00827	0.02834	0.0039	0.04883	0.00771	0.00814	1.58371712	0.000346344	1.983E-08	0.0026412	0.0032357	0.0121536	0.001258	0.00127514	1.602077
5859	489003.52	3859958.97	0.08356	0.00853	0.00895	0.03853	0.00452	0.04403	0.00811	0.00853	1.54255044	0.000362938	2.147E-08	0.0035908	0.00375	0.0109589	0.001324	0.00133623	1.561201
5860	489103.18	3859957.77	0.07884	0.00897	0.0099	0.06944	0.00526	0.04042	0.00857	0.00897	1.45541739	0.00038166	2.374E-08	0.0064715	0.004364	0.0100604	0.001399	0.00140516	1.476689
5861	489201.48	3860046.59	0.08687	0.00867	0.00979	0.20669	0.00539	0.03681	0.00833	0.00867	1.60365434	0.000368895	2.348E-08	0.0192627	0.0044718	0.0091619	0.00136	0.00135817	1.636921
5862	489200.11	3860136.61	0.08916	0.00803	0.009	0.20514	0.00481	0.03626	0.00772	0.00803	1.64592864	0.000341664	2.159E-08	0.0191182	0.0039906	0.009025	0.00126	0.00125791	1.678406
5863	489198.74	3860226.63	0.08876	0.00752	0.00842	0.28742	0.00429	0.03583	0.00724	0.00752	1.63854449	0.000319964	2.019E-08	0.0267864	0.0035592	0.008918	0.001182	0.00117802	1.678132
5864	489197.38	3860316.66	0.08702	0.00708	0.0078	0.27854	0.00381	0.03549	0.00683	0.00708	1.6064234	0.000301243	1.871E-08	0.0259588	0.003161	0.0088333	0.001115	0.00110909	1.644684
5865	489196.01	3860406.68	0.08402	0.00667	0.00712	0.26974	0.0034	0.03495	0.00645	0.00667	1.55104222	0.000283798	1.708E-08	0.0251387	0.0028208	0.0086989	0.001053	0.00104486	1.587992
5866	489194.64	3860496.7	0.07887	0.00625	0.00636	0.26507	0.00302	0.03365	0.00605	0.00625	1.4559712	0.000265928	1.525E-08	0.0247034	0.0025056	0.0083754	0.000988	0.00097907	1.49183
5867	489193.27	3860586.72	0.06868	0.00586	0.00569	0.25898	0.0027	0.03073	0.00569	0.00586	1.26785979	0.000249334	1.365E-08	0.0241359	0.0022401	0.0076486	0.000929	0.00091798	1.302144

5868	489092.02	3860678.13	0.03814	0.00536	0.00523	0.05955	0.00216	0.02953	0.00519	0.00536	0.70407939	0.00022806	1.254E-08	0.0055498	0.0017921	0.0073499	0.000847	0.00083965	0.719007
5869	488992.13	3860679.53	0.03948	0.00521	0.00515	0.03252	0.002	0.03328	0.00504	0.00521	0.72881632	0.000221677	1.235E-08	0.0030307	0.0016593	0.0082833	0.000823	0.00081615	0.742018
5870	488892.24	3860680.92	0.03993	0.00509	0.00484	0.02325	0.00193	0.03856	0.0049	0.00509	0.73712349	0.000216572	1.161E-08	0.0021668	0.0016012	0.0095975	0.0008	0.00079735	0.750708
5871	488792.36	3860682.31	0.04025	0.00497	0.00446	0.01863	0.00188	0.0464	0.00476	0.00497	0.74303082	0.000211466	1.07E-08	0.0017362	0.0015598	0.0115488	0.000777	0.00077856	0.758086
5872	488692.48	3860683.7	0.04073	0.00486	0.00418	0.01586	0.00185	0.05929	0.00464	0.00486	0.75189181	0.000206786	1.003E-08	0.0014781	0.0015349	0.0147571	0.000757	0.00076132	0.769865
5873	488592.59	3860685.09	0.04194	0.00475	0.004	0.01395	0.0018	0.08264	0.00452	0.00475	0.77422888	0.000202105	9.593E-09	0.0013001	0.0014934	0.0205688	0.000738	0.00074409	0.797787
5874	488492.71	3860686.49	0.0459	0.00466	0.0039	0.01257	0.00177	0.14033	0.00442	0.00466	0.84733204	0.000198276	9.354E-09	0.0011715	0.0014685	0.0349277	0.000721	0.00072999	0.885089
5875	488299.07	3860762.18	0.02802	0.00438	0.00355	0.01053	0.00173	0.06674	0.00413	0.00438	0.51726021	0.000186362	8.514E-09	0.0009814	0.0014353	0.0166114	0.000674	0.00068613	0.536463
5876	488205.32	3860764.09	0.02694	0.0043	0.00342	0.00992	0.00176	0.06483	0.00405	0.0043	0.49732299	0.000182958	8.202E-09	0.0009245	0.0014602	0.016136	0.000661	0.0006736	0.516014
5877	488111.56	3860766	0.02444	0.00421	0.00328	0.00939	0.00181	0.05853	0.00396	0.00421	0.45117201	0.000179129	7.867E-09	0.0008751	0.0015017	0.0145679	0.000646	0.0006595	0.468283
5878	488017.81	3860767.91	0.02059	0.00413	0.00312	0.00891	0.00191	0.05096	0.00387	0.00413	0.38009949	0.000175725	7.483E-09	0.0008304	0.0015846	0.0126838	0.000632	0.00064697	0.395359
5879	487924.06	3860769.81	0.0159	0.00404	0.00297	0.00848	0.00204	0.04213	0.00378	0.00404	0.29352025	0.000171896	7.123E-09	0.0007903	0.0016925	0.010486	0.000617	0.00063287	0.306645
5880	487830.31	3860771.72	0.01325	0.00397	0.00285	0.00809	0.0022	0.03238	0.00371	0.00397	0.24460021	0.000168917	6.835E-09	0.000754	0.0018252	0.0080593	0.000606	0.00062191	0.255391
5881	487736.55	3860773.63	0.01141	0.00389	0.00277	0.00774	0.00234	0.02581	0.00364	0.00389	0.21063308	0.000165514	6.643E-09	0.0007213	0.0019414	0.006424	0.000594	0.00060937	0.21987
5882	487642.8	3860775.54	0.01026	0.00383	0.00275	0.00746	0.00245	0.02164	0.00358	0.00383	0.18940363	0.000162961	6.595E-09	0.0006952	0.0020327	0.0053861	0.000584	0.00059997	0.197665
5883	487549.48	3860684.71	0.01156	0.00389	0.00293	0.00742	0.00256	0.02377	0.00363	0.00389	0.21340214	0.000165514	7.027E-09	0.0006915	0.0021239	0.0059163	0.000593	0.00060937	0.222283
5884	487549.91	3860591.97	0.01454	0.00402	0.0031	0.0076	0.00262	0.0325	0.00373	0.00402	0.26841411	0.000171045	7.435E-09	0.0007083	0.0021737	0.0080891	0.000609	0.00062974	0.279535
5885	487550.34	3860499.23	0.01866	0.00416	0.00333	0.0078	0.00271	0.04615	0.00385	0.00416	0.34447093	0.000177002	7.986E-09	0.0007269	0.0022484	0.0114866	0.000628	0.00065167	0.359087
5886	487550.76	3860406.49	0.02489	0.00433	0.00358	0.00803	0.0028	0.0647	0.004	0.00433	0.45947918	0.000184235	8.586E-09	0.0007484	0.002323	0.0161036	0.000653	0.0006783	0.478813
5887	487551.19	3860313.75	0.03541	0.00452	0.00377	0.00824	0.0029	0.08861	0.00416	0.00452	0.65368252	0.000192319	9.042E-09	0.0007679	0.002406	0.0220547	0.000679	0.00070806	0.679074
5888	487551.62	3860221.01	0.03978	0.00473	0.0039	0.00847	0.003	0.09074	0.00434	0.00473	0.73435444	0.000201254	9.354E-09	0.0007894	0.002489	0.0225849	0.000708	0.00074096	0.760386
5889	487552.05	3860128.27	0.0415	0.00497	0.00402	0.00873	0.00314	0.08938	0.00454	0.00497	0.76610631	0.000211466	9.641E-09	0.0008136	0.0026051	0.0222464	0.000741	0.00077856	0.791945
5890	487552.48	3860035.53	0.0428	0.0052	0.00416	0.009	0.00328	0.08836	0.00473	0.0052	0.79010482	0.000221252	9.977E-09	0.0008388	0.0027213	0.0219925	0.000772	0.00081459	0.815836
5891	487552.91	3859942.79	0.04397	0.0054	0.00433	0.00923	0.0034	0.08795	0.00488	0.0054	0.81170348	0.000229762	1.038E-08	0.0008602	0.0028208	0.0218905	0.000797	0.00084592	0.837455
5892	487553.33	3859850.05	0.04523	0.00562	0.00459	0.00954	0.00358	0.08836	0.00504	0.00562	0.83496358	0.000239122	1.101E-08	0.0008891	0.0029702	0.0219925	0.000823	0.00088038	0.860997
5893	487553.76	3859757.31	0.0468	0.00583	0.00474	0.00983	0.00376	0.08932	0.00519	0.00583	0.86394639	0.000248058	1.137E-08	0.0009161	0.0031195	0.0222314	0.000847	0.00091328	0.890395
5894	487554.19	3859664.57	0.04989	0.00606	0.00477	0.01014	0.00395	0.09598	0.00534	0.00606	0.92098901	0.000257844	1.144E-08	0.000945	0.0032771	0.0238891	0.000872	0.00094931	0.94928
5895	487460.2	3859571.05	0.04999	0.00618	0.00479	0.00998	0.00424	0.10098	0.00536	0.00618	0.92283505	0.000262949	1.149E-08	0.0009301	0.0035177	0.0251336	0.000875	0.0009681	0.952586
5896	487365.78	3859570.27	0.04214	0.00602	0.00495	0.00959	0.00433	0.08779	0.00522	0.00602	0.77792096	0.000256142	1.187E-08	0.0008937	0.0035924	0.0218506	0.000852	0.00094304	0.804423
5897	487271.36	3859569.48	0.0337	0.00588	0.00505	0.00922	0.00447	0.07684	0.00508	0.00588	0.62211525	0.000250185	1.211E-08	0.0008593	0.0037086	0.0191252	0.000829	0.00092111	0.645967
5898	487176.94	3859568.7	0.02735	0.00574	0.00497	0.00889	0.00469	0.0656	0.00494	0.00574	0.50489175	0.000244228	1.192E-08	0.0008285	0.0038911	0.0163276	0.000806	0.00089918	0.52609
5899	487082.51	3859567.92	0.02325	0.00561	0.00472	0.00858	0.00499	0.05228	0.00483	0.00561	0.42920414	0.000238697	1.132E-08	0.0007996	0.00414	0.0130123	0.000788	0.00087881	0.447304
5900	486988.09	3859567.14	0.02041	0.00548	0.00455	0.00829	0.00532	0.04168	0.00471	0.00548	0.37677662	0.000233166	1.091E-08	0.0007726	0.0044138	0.010374	0.000769	0.00085845	0.392481
5901	486893.67	3859566.36	0.01823	0.00536	0.00462	0.00803	0.00563	0.03419	0.00461	0.00536	0.33653297	0.00022806	1.108E-08	0.0007484	0.004671	0.0085098	0.000752	0.00083965	0.350603
5902	486799.25	3859565.58	0.01654	0.00525	0.00479	0.00777	0.00591	0.02877	0.00451	0.00525	0.3053349	0.000223379	1.149E-08	0.0007241	0.0049033	0.0071608	0.000736	0.00082242	0.31826
5903	486704.83	3859564.79	0.01525	0.00514	0.00497	0.00754	0.00614	0.0251	0.00442	0.00514	0.28152099	0.000218699	1.192E-08	0.0007027	0.0050941	0.0062473	0.000721	0.00080519	0.2937
5904	486610.41	3859564.01	0.01423	0.00504	0.00515	0.00732	0.00633	0.02239	0.00434	0.00504	0.26269139	0.000214444	1.235E-08	0.0006822	0.0052517	0.0055728	0.000708	0.00078952	0.274331
5905	486515.99	3859563.23	0.01336	0.00493	0.00524	0.00711	0.00645	0.02023	0.00425	0.00493	0.24663085	0.000209764	1.257E-08	0.0006626	0.0053513	0.0050352	0.000694	0.00077229	0.257811
5906	486421.57	3859562.45	0.01259	0.00483	0.00518	0.00692	0.00653	0.01853	0.00417	0.00483	0.23241635	0.000205509	1.242E-08	0.0006449	0.0054176	0.0046121	0.000681	0.00075663	0.243221
5907	486327.14	3859561.67	0.01189	0.00475	0.00494	0.00675	0.00658	0.01714	0.0041	0.00475	0.21949407	0.000202105	1.185E-08	0.0006291	0.0054591	0.0042661	0.000669	0.00074409	0.229976
5908	486232.72	3859560.89	0.01124	0.00465	0.00456	0.00658	0.00659	0.01593	0.00402	0.00465	0.20749482	0.00019785	1.094E-08	0.0006132	0.0054674	0.0039649	0.000656	0.00072843	0.217666
5909	486138.3	3859560.1	0.01066	0.00456	0.0042	0.00642	0.00659	0.0149	0.00395	0.00456	0.19678779	0.000194021	1.007E-08	0.0005983	0.0054674	0.0037086	0.000645	0.00071433	0.206687
5910	486043.88	3859559.32	0.01012	0.00447	0.00394	0.00627	0.00658	0.01399	0.00387	0.00447	0.18681918	0.000190192	9.449E-09	0.0005843	0.0054591	0.0034821	0.000632	0.00070023	0.196466
5911	485949.35	3859463.54	0.01025	0.00452	0.00398	0.00631	0.007	0.01403	0.00388	0.00452	0.18921903	0.000192319	9.545E-09	0.0005881	0.0058076	0.003492	0.000633	0.00070806	0.199224
5912	485949.24	3859368.55	0.01092	0.00466	0.00424	0.00648	0.0075	0.01501	0.00395	0.00466	0.20158749	0.000198276	1.017E-08	0.0006039	0.0062224	0.0037359	0.000645	0.00072999	0.212263
5913	485949.12	3859273.55	0.01163	0.00481	0.00454	0.00665	0.00807	0.01607	0.00401	0.00481	0.21469437	0.000204658	1.089E-08	0.0006198	0.0066953	0.0039998	0.000655	0.00075349	0.226115
5914	485949.01	3859178.56	0.01239	0.00496	0.00479	0.00678	0.00869	0.01725	0.00408	0.00496	0.22872427	0.00021104	1.149E-08	0.0006319	0.0072097	0.0042935	0.000666	0.00077699	0.240959
5915	485948.9	3859083.56	0.0132	0.00515	0.00499	0.0069	0.00938	0.01851	0.00416	0.00515	0.24367719	0.000219125	1.197E-08	0.0006431	0.0077822	0.0046071	0.000679	0.00080675	0.256801
5916	485948.79	3858988.56	0.014	0.00537	0.00519	0.007	0.01011	0.01978	0.00426	0.00537	0.2584455	0.000228485	1.245E-08	0.0006524	0.0083878	0.0049232	0.000695	0.00084122	0.272491
5917	485948.67	3858893.57	0.01479	0.00562	0.00553	0.0071	0.01088	0.02113	0.00437	0.00562	0.27302921	0.000239122	1.326E-08	0.0006617	0.0090267	0.0052592	0.000713	0.00088038	0.288049
5918	485948.56	3858798.57	0.01557	0.00591	0.00614	0.00725	0.01176	0.02254	0.00451	0.00591	0.28742832	0.000251461	1.473E-08	0.0006757	0.0097567	0.0056101	0.000736	0.00092581	0.303533
5919	485948.45	3858703.58	0.01631	0.00622	0.00682	0.00739	0.01264	0.02406	0.00463	0.00622	0.30108901	0.000264651	1.636E-08	0.0006887	0.0104868	0.0059885	0.000756	0.00097437	0.318299
5920	485948.34	3858608.58	0.0171	0.00658	0.00742	0.00754	0.01366	0.0259	0.00478	0.00658	0.31567272	0.000279969	1.78E-08	0.0007027	0.0113331	0.0064464	0.00078	0.00103077	0.334184
5921	485948.22	3858513.59	0.01795	0.00698	0.00777	0.00769	0.01475	0.02821	0.00492	0.00698	0.33136406	0.000296988	1.864E-08	0.0007167	0.0122374	0.0070214	0.000803	0.00109343	0.351346
5922	485948.11	3858418.59	0.01892	0.00743	0.00804	0.00782	0.01591	0.03119	0.00505	0.00743	0.34927064	0.000316135	1.928E-08	0.0007288	0.0131998	0.0077631	0.000824	0.00116392	0.370939
5923	485948	3858323.59	0.02013	0.00797	0.0084	0.00799	0.01724	0.03503	0.00521	0.00797	0.37160771	0.000339111	2.015E-08	0.0007446	0.0143033	0.0087188	0.00085	0.00124851	0.395315
5924	485947.89	3858228.6	0.02171	0.00857	0.00832	0.00816	0.01866	0.03977	0.00536	0.00857	0.40077513	0.00036464	1.995E-08	0.0007605	0.0154814	0.0098986	0.000875	0.0013425	0.426813

5925	485947.77	3858133.6	0.02396	0.00929	0.00796	0.00837	0.02021	0.04542	0.00552	0.00929
5926	485947.66	3858038.61	0.02699	0.01026	0.00807	0.00865	0.02199	0.05231	0.00572	0.01026
5927	485854.54	3857943.35	0.02833	0.01054	0.00797	0.00857	0.02238	0.04565	0.00571	0.01054
5928	485761.52	3857943.09	0.02428	0.00985	0.00743	0.00827	0.02126	0.03654	0.00553	0.00985
5929	485668.51	3857942.83	0.02153	0.00929	0.00703	0.00801	0.02028	0.03067	0.00537	0.00929
5930	485575.5	3857942.56	0.01949	0.00876	0.00664	0.00775	0.01931	0.0265	0.00521	0.00876
5931	485482.48	3857942.3	0.01792	0.00832	0.00626	0.00752	0.01847	0.02342	0.00507	0.00832
5932	485389.47	3857942.04	0.01664	0.00792	0.00583	0.0073	0.01769	0.02104	0.00494	0.00792
5933	485296.46	3857941.78	0.01557	0.00755	0.00542	0.0071	0.01696	0.01913	0.00482	0.00755
5934	485203.45	3857941.52	0.01467	0.00724	0.00509	0.00692	0.01632	0.01757	0.00471	0.00724
5935	485110.43	3857941.26	0.01389	0.00693	0.00487	0.00674	0.01567	0.01626	0.00459	0.00693
5936	485017.42	3857940.99	0.01321	0.00664	0.00472	0.00657	0.01504	0.01516	0.00447	0.00664
5937	484924.41	3857940.73	0.0126	0.00637	0.00462	0.00641	0.01445	0.01421	0.00436	0.00637
5938	484831.39	3857940.47	0.01205	0.00612	0.00458	0.00627	0.01392	0.01338	0.00426	0.00612
5939	484738.12	3857859.3	0.01214	0.00613	0.00482	0.00622	0.01369	0.01305	0.00424	0.00613
5940	484737.85	3857778.4	0.01286	0.00641	0.00511	0.00631	0.01391	0.0135	0.00433	0.00641
5941	484737.59	3857697.49	0.01374	0.00671	0.00542	0.00641	0.01402	0.01398	0.00443	0.00671
5942	484737.32	3857616.59	0.01484	0.00703	0.00572	0.00652	0.01399	0.01453	0.00452	0.00703
5943	484645.53	3857535.18	0.01554	0.00706	0.00613	0.00648	0.0132	0.01421	0.00451	0.00706
5944	484553.99	3857534.67	0.01483	0.00675	0.00619	0.00633	0.01258	0.01338	0.0044	0.00675
5945	484462.46	3857534.17	0.01419	0.00647	0.00603	0.0062	0.01203	0.01265	0.0043	0.00647
5946	484370.93	3857533.66	0.01359	0.00622	0.00568	0.00607	0.0115	0.012	0.00421	0.00622
5947	484279.4	3857533.16	0.01304	0.00599	0.00541	0.00595	0.01101	0.01143	0.00413	0.00599
5948	484187.86	3857532.65	0.01251	0.00579	0.0054	0.00583	0.01054	0.01092	0.00405	0.00579
5949	484096.33	3857532.15	0.01199	0.00561	0.00553	0.00572	0.01012	0.01046	0.00398	0.00561
5950	484004.8	3857531.64	0.01153	0.00545	0.00567	0.0056	0.0097	0.01006	0.00391	0.00545
5951	483913.27	3857531.14	0.01114	0.0053	0.00579	0.00549	0.00929	0.0097	0.00384	0.0053
5952	483821.73	3857530.63	0.01084	0.00516	0.00585	0.00539	0.00893	0.00936	0.00378	0.00516
5953	483729.61	3857450.11	0.01144	0.00518	0.006	0.00536	0.00832	0.00924	0.00378	0.00518
5954	483729.03	3857370.08	0.01259	0.00535	0.0062	0.00543	0.00813	0.00942	0.00385	0.00535
5955	483728.44	3857290.06	0.01427	0.00553	0.00631	0.00551	0.00799	0.00962	0.00391	0.00553
5956	483727.86	3857210.03	0.01686	0.00571	0.00637	0.0056	0.00791	0.00986	0.00398	0.00571
5957	483641.15	3857129.07	0.01833	0.00574	0.0062	0.00559	0.00767	0.00976	0.00399	0.00574
5958	483555.03	3857128.14	0.0166	0.00557	0.00612	0.00549	0.00742	0.00943	0.00392	0.00557
5959	483468.91	3857127.2	0.01533	0.00541	0.00608	0.00538	0.00718	0.00914	0.00385	0.00541
5960	483382.78	3857126.26	0.01435	0.00527	0.00605	0.00529	0.00697	0.00885	0.0038	0.00527
5961	483296.66	3857125.32	0.01352	0.00514	0.00594	0.0052	0.00676	0.00859	0.00374	0.00514
5962	483210.54	3857124.39	0.01279	0.00501	0.00576	0.0051	0.00656	0.00834	0.00369	0.00501
5963	483123.4	3857030.96	0.01316	0.00505	0.00571	0.0051	0.00647	0.00829	0.00371	0.00505
5964	483122.38	3856938.46	0.01431	0.00522	0.00602	0.0052	0.00663	0.00849	0.00378	0.00522
5965	483121.35	3856845.97	0.01559	0.00539	0.00649	0.00531	0.00682	0.00872	0.00386	0.00539
5966	483120.33	3856753.47	0.01693	0.00556	0.007	0.00541	0.00701	0.009	0.00393	0.00556
5967	483119.31	3856660.98	0.0183	0.00575	0.0074	0.0055	0.00719	0.00929	0.004	0.00575
5968	483118.29	3856568.49	0.0197	0.00596	0.0077	0.0056	0.00737	0.0096	0.00407	0.00596
5969	483117.26	3856475.99	0.02122	0.0062	0.00807	0.0057	0.00754	0.00994	0.00415	0.0062
5970	483116.24	3856383.5	0.02309	0.00646	0.00847	0.00579	0.00768	0.01036	0.00423	0.00646
5971	483115.22	3856291.01	0.02588	0.00674	0.0086	0.00589	0.0078	0.01088	0.00432	0.00674
5972	483114.2	3856198.51	0.03087	0.00705	0.00845	0.00598	0.00785	0.01151	0.00442	0.00705
5973	483113.17	3856106.02	0.04139	0.00744	0.00858	0.0061	0.00787	0.01222	0.00454	0.00744
5974	483112.15	3856013.52	0.04657	0.00787	0.00918	0.00623	0.00777	0.01307	0.00467	0.00787
5975	483029.25	3855920.47	0.0377	0.00797	0.00969	0.00623	0.00747	0.013	0.00473	0.00797
5976	482947.37	3855919.91	0.03002	0.0076	0.00965	0.00609	0.00736	0.01213	0.00465	0.0076
5977	482865.49	3855919.36	0.02521	0.00727	0.00971	0.00595	0.00724	0.0114	0.00457	0.00727
5978	482783.61	3855918.8	0.02223	0.00699	0.00977	0.00584	0.00713	0.01078	0.0045	0.00699
5979	482700.33	3855818.39	0.0233	0.00706	0.01048	0.00584	0.00684	0.01075	0.00456	0.00706
5980	482698.92	3855718.54	0.03683	0.00747	0.01118	0.00599	0.0066	0.01132	0.00471	0.00747
5981	482697.52	3855618.68	0.04247	0.00793	0.0116	0.00615	0.00632	0.01196	0.00488	0.00793

0.44231102	0.000395275	1.909E-08	0.00078	0.0167673	0.0113049	0.000901	0.00145529	0.471004
0.49824601	0.000436547	1.935E-08	0.0008061	0.0182441	0.0130198	0.000934	0.00160724	0.530079
0.52298293	0.000448461	1.911E-08	0.0007987	0.0185677	0.0113621	0.000932	0.0016511	0.553441
0.44821834	0.000419102	1.782E-08	0.0007707	0.0176385	0.0090947	0.000903	0.00154301	0.475501
0.39745226	0.000395275	1.686E-08	0.0007465	0.0168254	0.0076337	0.000877	0.00145529	0.422474
0.35979306	0.000372724	1.592E-08	0.0007223	0.0160206	0.0065958	0.00085	0.00137226	0.382983
0.33081024	0.000354003	1.501E-08	0.0007008	0.0153237	0.0058292	0.000828	0.00130334	0.352542
0.30718094	0.000336984	1.398E-08	0.0006803	0.0146766	0.0052368	0.000806	0.00124068	0.327677
0.28742832	0.000321241	1.3E-08	0.0006617	0.014071	0.0047614	0.000787	0.00118272	0.306848
0.27081397	0.000308051	1.221E-08	0.0006449	0.01354	0.0043731	0.000769	0.00113415	0.289315
0.25641486	0.000294861	1.168E-08	0.0006281	0.0130007	0.0040471	0.000749	0.00108559	0.274049
0.24386179	0.000282522	1.132E-08	0.0006123	0.012478	0.0037733	0.00073	0.00104016	0.260697
0.23260095	0.000271034	1.108E-08	0.0005974	0.0119885	0.0035368	0.000712	0.00099787	0.248709
0.22244774	0.000260397	1.098E-08	0.0005843	0.0115488	0.0033302	0.000695	0.00095871	0.237908
0.22410917	0.000260822	1.156E-08	0.0005797	0.011358	0.0032481	0.000692	0.00096027	0.239288
0.23740065	0.000272736	1.226E-08	0.0005881	0.0115405	0.0033601	0.000707	0.00100413	0.252865
0.2536458	0.0002855	1.3E-08	0.0005974	0.0116318	0.0034796	0.000723	0.00105113	0.269312
0.27395223	0.000299116	1.372E-08	0.0006076	0.0116069	0.0036165	0.000738	0.00110126	0.289719
0.28687451	0.000300392	1.47E-08	0.0006039	0.0109515	0.0035368	0.000736	0.00110596	0.301897
0.27376763	0.000287202	1.485E-08	0.0005899	0.0104371	0.0033302	0.000718	0.0010574	0.288073
0.26195298	0.000275289	1.446E-08	0.0005778	0.0099808	0.0031485	0.000702	0.00101353	0.275624
0.25087674	0.000264651	1.362E-08	0.0005657	0.009541	0.0029868	0.000687	0.00097437	0.263948
0.24072353	0.000254865	1.298E-08	0.0005545	0.0091345	0.0028449	0.000674	0.00093834	0.253248
0.23093952	0.000246356	1.295E-08	0.0005433	0.0087446	0.002718	0.000661	0.00090701	0.242946
0.22134011	0.000238697	1.326E-08	0.0005331	0.0083961	0.0026035	0.00065	0.00087881	0.232882
0.21284833	0.000231889	1.36E-08	0.0005219	0.0080477	0.0025039	0.000638	0.00085375	0.223938
0.20564878	0.000225507	1.389E-08	0.0005116	0.0077075	0.0024143	0.000627	0.00083025	0.216304
0.20011066	0.00021955	1.403E-08	0.0005023	0.0074088	0.0023297	0.000617	0.00080832	0.21038
0.2111869	0.000220401	1.439E-08	0.0004995	0.0069027	0.0022998	0.000617	0.00081145	0.220915
0.23241635	0.000227634	1.487E-08	0.0005061	0.0067451	0.0023446	0.000628	0.00083808	0.24203
0.26342981	0.000235293	1.513E-08	0.0005135	0.0066289	0.0023944	0.000638	0.00086628	0.272974
0.31124223	0.000242952	1.528E-08	0.0005219	0.0065626	0.0024541	0.00065	0.00089448	0.320779
0.338379	0.000244228	1.487E-08	0.000521	0.0063635	0.0024292	0.000651	0.00089918	0.347689
0.30644252	0.000236995	1.468E-08	0.0005116	0.006156	0.0023471	0.00064	0.00087255	0.315462
0.28299783	0.000230187	1.458E-08	0.0005014	0.0059569	0.0022749	0.000628	0.00084748	0.291742
0.26490664	0.00022423	1.451E-08	0.000493	0.0057827	0.0022027	0.00062	0.00082555	0.273404
0.24958451	0.000218699	1.425E-08	0.0004846	0.0056085	0.002138	0.00061	0.00080519	0.25784
0.23610843	0.000213168	1.381E-08	0.0004753	0.0054425	0.0020758	0.000602	0.00078482	0.244133
0.24293877	0.00021487	1.369E-08	0.0004753	0.0053679	0.0020634	0.000606	0.00079109	0.250875
0.26416822	0.000222103	1.444E-08	0.0004846	0.0055006	0.0021131	0.000617	0.00081772	0.272288
0.28779753	0.000229336	1.557E-08	0.0004949	0.0056582	0.0021704	0.00063	0.00084435	0.296136
0.31253445	0.000236569	1.679E-08	0.0005042	0.0058159	0.0022401	0.000641	0.00087098	0.321102
0.33782519	0.000244654	1.775E-08	0.0005126	0.0059652	0.0023122	0.000653	0.00090074	0.346612
0.36366974	0.000253589	1.847E-08	0.0005219	0.0061146	0.0023894	0.000664	0.00093364	0.37268
0.39172954	0.0002638	1.935E-08	0.0005312	0.0062556	0.002474	0.000677	0.00097124	0.40096
0.42625048	0.000274863	2.031E-08	0.0005396	0.0063718	0.0025786	0.00069	0.00101197	0.435694
0.47775497	0.000286777	2.063E-08	0.0005489	0.0064713	0.002708	0.000705	0.00105583	0.487419
0.56987233	0.000299967	2.027E-08	0.0005573	0.0065128	0.0028648	0.000721	0.00110439	0.579724
0.76407567	0.000316561	2.058E-08	0.0005685	0.0065294	0.0030415	0.000741	0.00116549	0.774107
0.8597005	0.000334856	2.202E-08	0.0005806	0.0064464	0.0032531	0.000762	0.00123285	0.869845
0.69595682	0.000339111	2.324E-08	0.0005806	0.0061975	0.0032357	0.000772	0.00124851	0.705833
0.554181	0.000323368	2.314E-08	0.0005676	0.0061063	0.0030191	0.000759	0.00119055	0.563766
0.46538651	0.000309327	2.329E-08	0.0005545	0.0060067	0.0028374	0.000746	0.00113885	0.474702
0.41037454	0.000297414	2.343E-08	0.0005443	0.0059154	0.0026831	0.000735	0.00109499	0.419454
0.43012716	0.000300392	2.513E-08	0.0005443	0.0056748	0.0026756	0.000744	0.00110596	0.438961
0.67989628	0.000317837	2.681E-08	0.0005582	0.0054757	0.0028175	0.000769	0.00117018	0.688664
0.78401289	0.000337409	2.782E-08	0.0005732	0.0052434	0.0029768	0.000797	0.00124224	0.792698

5982	482696.11	3855518.83	0.0443	0.00849	0.01243	0.00634	0.00607	0.01267	0.00508	0.00849	0.81779541	0.000361236	2.981E-08	0.0005909	0.005036	0.0031535	0.000829	0.00132997	0.826436
5983	482694.71	3855418.98	0.04513	0.00912	0.01364	0.00654	0.00585	0.01354	0.0053	0.00912	0.83311754	0.000388042	3.271E-08	0.0006095	0.0048535	0.0033701	0.000865	0.00142866	0.841775
5984	482693.3	3855319.13	0.04556	0.00987	0.01529	0.00678	0.00567	0.0146	0.00554	0.00987	0.84105551	0.000419953	3.667E-08	0.0006319	0.0047041	0.0036339	0.000904	0.00154615	0.849804
5985	482691.9	3855219.27	0.04579	0.01077	0.01905	0.00706	0.00552	0.01603	0.00583	0.01077	0.8453014	0.000458247	4.569E-08	0.000658	0.0045797	0.0039898	0.000952	0.00168713	0.854252
5986	482690.49	3855119.42	0.0458	0.01185	0.02377	0.00734	0.00534	0.01809	0.00614	0.01185	0.845486	0.000504199	5.701E-08	0.0006841	0.0044304	0.0045025	0.001002	0.00185632	0.854753
5987	482689.09	3855019.57	0.04578	0.01325	0.02763	0.00767	0.00514	0.02168	0.00652	0.01325	0.84511679	0.000563767	6.627E-08	0.0007148	0.0042644	0.0053961	0.001064	0.00207563	0.855045
5988	482687.68	3854919.71	0.04557	0.01492	0.03034	0.008	0.00493	0.03	0.00695	0.01492	0.84124011	0.000634823	7.277E-08	0.0007456	0.0040902	0.0074669	0.001134	0.00233724	0.852975
5989	482686.28	3854819.86	0.04539	0.01708	0.03319	0.00837	0.00472	0.07215	0.00748	0.01708	0.83791724	0.000726728	7.96E-08	0.00078	0.003916	0.0179579	0.001221	0.0026756	0.859843
5990	482684.88	3854720.01	0.04502	0.01965	0.03252	0.00878	0.00452	0.21787	0.00809	0.01965	0.83108689	0.000836077	7.799E-08	0.0008183	0.00375	0.0542271	0.001321	0.0030782	0.888961
5991	482683.47	3854620.16	0.0447	0.02289	0.02646	0.00929	0.00438	0.2165	0.0089	0.02289	0.82517957	0.000973934	6.346E-08	0.0008658	0.0036339	0.0538861	0.001453	0.00358575	0.882406
5992	482682.07	3854520.31	0.04425	0.02649	0.02012	0.00986	0.00426	0.21849	0.00987	0.02649	0.81687239	0.001127109	4.825E-08	0.0009189	0.0035343	0.0543814	0.001611	0.00414969	0.874296
5993	482680.66	3854420.45	0.04368	0.03036	0.01528	0.01051	0.00418	0.22583	0.01111	0.03036	0.80634997	0.001291771	3.665E-08	0.0009795	0.003468	0.0562083	0.001813	0.00475593	0.865355
5994	482679.26	3854320.6	0.04301	0.03378	0.0115	0.01112	0.0041	0.2313	0.01268	0.03378	0.7939815	0.001437287	2.758E-08	0.0010363	0.0034016	0.0575698	0.00207	0.00529168	0.854205
5995	482677.85	3854220.75	0.04241	0.03634	0.00889	0.01176	0.00402	0.24778	0.01489	0.03634	0.78290527	0.001546211	2.132E-08	0.001096	0.0033352	0.0616716	0.00243	0.00569271	0.847292
5996	482676.45	3854120.9	0.04142	0.03749	0.00749	0.01211	0.0039	0.24064	0.01733	0.03749	0.76462948	0.001595142	1.796E-08	0.0011286	0.0032357	0.0598945	0.002829	0.00587285	0.827439
5997	482675.04	3854021.04	0.04034	0.03894	0.00645	0.01206	0.00376	0.28483	0.02034	0.03894	0.74469226	0.001656837	1.547E-08	0.0011239	0.0031195	0.0708932	0.00332	0.0061	0.818706
5998	482673.64	3853921.19	0.03907	0.04041	0.00566	0.01162	0.00361	0.09682	0.02353	0.04041	0.72124756	0.001719383	1.357E-08	0.0010829	0.0029951	0.0240982	0.003841	0.00633028	0.748654
5999	482672.23	3853821.34	0.03768	0.04297	0.00501	0.0107	0.00346	0.03674	0.02723	0.04297	0.69558761	0.001828307	1.202E-08	0.0009972	0.0028706	0.0091445	0.004445	0.0067313	0.708142
6000	482670.83	3853721.48	0.03612	0.0459	0.0045	0.00923	0.00331	0.0212	0.03209	0.0459	0.6667894	0.001952974	1.079E-08	0.0008602	0.0027462	0.0052766	0.005238	0.00719029	0.675673
6001	482669.42	3853621.63	0.0344	0.04954	0.00412	0.00769	0.00318	0.01426	0.039	0.04954	0.63503752	0.002107851	9.881E-09	0.0007167	0.0026383	0.0035493	0.006366	0.0077605	0.642655
6002	482645.99	3853446.13	0.0304	0.05641	0.00359	0.00574	0.003	0.00889	0.05192	0.05641	0.56119595	0.002400158	8.61E-09	0.0005349	0.002489	0.0022127	0.008475	0.0088367	0.568471
6003	482623.96	3853370.48	0.02854	0.05708	0.00338	0.00518	0.00293	0.00769	0.0549	0.05708	0.52685962	0.002428666	8.106E-09	0.0004828	0.0024309	0.001914	0.008961	0.00894165	0.534136
6004	482601.94	3853294.84	0.02686	0.05978	0.0032	0.00475	0.00287	0.0068	0.05952	0.05978	0.49584616	0.002543547	7.675E-09	0.0004427	0.0023811	0.0016925	0.009715	0.00936461	0.503257
6005	482531.29	3853133.44	0.02436	0.06873	0.00279	0.00405	0.00275	0.00551	0.06884	0.06873	0.44969517	0.002924355	6.691E-09	0.0003774	0.0022816	0.0013714	0.011237	0.01076664	0.45712
6006	482482.68	3853047.69	0.02306	0.07388	0.00258	0.00376	0.0027	0.005	0.07446	0.07388	0.42569666	0.00314348	6.188E-09	0.0003504	0.0022401	0.0012445	0.012154	0.01157339	0.433256
6007	482383.08	3852897.4	0.02072	0.10916	0.00229	0.00333	0.00259	0.0043	0.11119	0.10916	0.38249934	0.00464459	5.492E-09	0.0003103	0.0021488	0.0010703	0.018149	0.01710005	0.391723
6008	482265.64	3852765.26	0.01923	0.12321	0.00207	0.00303	0.00251	0.00379	0.1256	0.12321	0.35499336	0.005242395	4.965E-09	0.0002824	0.0020824	0.0009433	0.020502	0.019301	0.364744
6009	482199.16	3852697.66	0.01874	0.12202	0.00198	0.0029	0.00246	0.00356	0.1243	0.12202	0.34594777	0.005191763	4.749E-09	0.0002703	0.002041	0.0008861	0.020289	0.01911458	0.355512
6010	482132.69	3852630.07	0.01835	0.11977	0.0019	0.00279	0.00242	0.00337	0.12198	0.11977	0.33874821	0.005096029	4.557E-09	0.00026	0.0020078	0.0008388	0.019911	0.01876212	0.348099
6011	482066.21	3852562.48	0.01801	0.11866	0.00184	0.00268	0.00238	0.0032	0.12079	0.11866	0.33247168	0.0050488	4.413E-09	0.0002498	0.0019746	0.0007965	0.019716	0.01858823	0.341669
6012	481999.74	3852494.89	0.01772	0.11655	0.00178	0.00258	0.00234	0.00305	0.11861	0.11655	0.32711816	0.004959023	4.269E-09	0.0002404	0.0019414	0.0007591	0.019361	0.0182577	0.336121
6013	481933.26	3852427.29	0.01745	0.11319	0.00174	0.0025	0.00231	0.00293	0.11523	0.11319	0.32213386	0.00481606	4.173E-09	0.000233	0.0019165	0.0007293	0.018809	0.01773135	0.330906
6014	481866.79	3852359.7	0.01716	0.11251	0.00169	0.00241	0.00227	0.00282	0.11451	0.11251	0.31678034	0.004787127	4.053E-09	0.0002246	0.0018833	0.0007019	0.018691	0.01762483	0.325444
6015	481800.31	3852292.11	0.01693	0.10959	0.00164	0.00234	0.00224	0.00272	0.11145	0.10959	0.31253445	0.004662885	3.933E-09	0.0002181	0.0018584	0.000677	0.018192	0.01716741	0.320975
6016	481733.84	3852224.52	0.01672	0.10759	0.00159	0.00227	0.0022	0.00262	0.1094	0.10759	0.30865777	0.004577789	3.813E-09	0.0002116	0.0018252	0.0006521	0.017857	0.0168541	0.316928
6017	481667.36	3852156.92	0.01654	0.10752	0.00154	0.0022	0.00217	0.00253	0.10931	0.10752	0.3053349	0.00457481	3.693E-09	0.000205	0.0018004	0.0006297	0.017843	0.01684314	0.313544
6018	481600.89	3852089.33	0.01637	0.10533	0.0015	0.00214	0.00214	0.00246	0.10705	0.10533	0.30219663	0.004481629	3.598E-09	0.0001994	0.0017755	0.0006123	0.017474	0.01650007	0.310239
6019	481534.41	3852021.74	0.01623	0.1046	0.00147	0.00209	0.00211	0.00239	0.10634	0.1046	0.29961218	0.004450569	3.526E-09	0.0001948	0.0017506	0.0005949	0.017358	0.01638572	0.307575
6020	481467.94	3851954.15	0.01611	0.10386	0.00143	0.00203	0.00208	0.00232	0.10554	0.10386	0.29739693	0.004419083	3.43E-09	0.0001892	0.0017257	0.0005774	0.017227	0.0162698	0.305266
6021	481401.46	3851886.55	0.01607	0.10355	0.00139	0.00198	0.00205	0.00226	0.10522	0.10355	0.29665852	0.004405893	3.334E-09	0.0001845	0.0017008	0.0005625	0.017175	0.01622123	0.304466
6022	481265.87	3851761.43	0.01591	0.09096	0.00131	0.00189	0.00199	0.00214	0.09223	0.09096	0.29370485	0.003870208	3.142E-09	0.0001761	0.001651	0.0005326	0.015055	0.01424899	0.30074
6023	481196.74	3851703.89	0.01666	0.0851	0.00127	0.00186	0.00197	0.00209	0.08588	0.0851	0.30755015	0.003620874	3.046E-09	0.0001733	0.0016344	0.0005202	0.014018	0.01333102	0.314186
6024	481076.33	3851619.04	0.017	0.08273	0.00121	0.0018	0.00194	0.00202	0.0827	0.08273	0.31382668	0.003520034	2.902E-09	0.0001678	0.0016095	0.0005028	0.013499	0.01295976	0.320166
6025	480939.8	3851549.07	0.01708	0.08024	0.00114	0.00176	0.00191	0.00195	0.0797	0.08024	0.31530351	0.003414088	2.734E-09	0.000164	0.0015846	0.0004853	0.013009	0.01256969	0.321391
6026	480854.56	3851506.41	0.01726	0.0806	0.00111	0.00174	0.0019	0.00191	0.08036	0.0806	0.31862638	0.003429406	2.662E-09	0.0001622	0.0015763	0.0004754	0.013117	0.01262609	0.324761
6027	480769.32	3851463.75	0.01768	0.08153	0.00108	0.00172	0.00188	0.00187	0.08167	0.08153	0.32637975	0.003468976	2.59E-09	0.0001603	0.0015598	0.0004654	0.013331	0.01277177	0.332593
6028	480684.08	3851421.08	0.01806	0.08253	0.00106	0.00171	0.00187	0.00185	0.08308	0.08253	0.3333947	0.003511524	2.542E-09	0.0001594	0.0015515	0.0004605	0.013561	0.01292843	0.33971
6029	480598.84	3851378.42	0.01813	0.08257	0.00104	0.00169	0.00185	0.00183	0.08355	0.08257	0.33468693	0.003513226	2.494E-09	0.0001575	0.0015349	0.0004555	0.013638	0.01293469	0.341051
6030	480435.71	3851275.01	0.01834	0.11171	0.001	0.00165	0.00181	0.00178	0.11469	0.11171	0.33856361	0.004753088	2.398E-09	0.0001538	0.0015017	0.000443	0.018721	0.01749951	0.346636
6031	480347.85	3851232.36	0.01772	0.11013	0.00099	0.00164	0.00179	0.00177	0.11384	0.11013	0.32711816	0.004685862	2.374E-09	0.0001528	0.0014851	0.0004405	0.018582	0.017252	0.335212
6032	480260	3851189.72	0.0176	0.10855	0.00097	0.00162	0.00178	0.00176	0.11298	0.10855	0.32490292	0.004618635	2.326E-09	0.000151	0.0014768	0.0004381	0.018442	0.01700449	0.333024
6033	480172.15	3851147.07	0.01761	0.1072	0.00096	0.00161	0.00176	0.00175	0.11233	0.1072	0.32508752	0.004561195	2.302E-09	0.00015	0.0014602	0.0004356	0.018335	0.01679301	0.333237
6034	480084.29	3851104.42	0.01774	0.1059	0.00095	0.00159	0.00174	0.00173	0.11158	0.1059	0.32748737	0.004505882	2.278E-09	0.0001482	0.0014436	0.0004306	0.018213	0.01658936	0.335639
6035	479996.44	3851061.77	0.0179	0.10493	0.00094	0.00158	0.00173	0.00172	0.1111	0.10493	0.33044104	0.00446461	2.254E-09	0.0001472	0.0014353	0.0004281	0.018135	0.01643741	0.338614
6036	479908.58	3851019.13	0.01811	0.10662	0.00092	0.00156	0.00171	0.0017	0.11354	0.10662	0.33431772	0.004536517	2.206E-09	0.0001454	0.0014187	0.0004231	0.018533	0.01670215	0.342672
6037	479820.73	3850976.48	0.01836	0.10546	0.00091	0.00154	0.00169	0.00168	0.11288	0.10546	0.33893282	0.00448716	2.182E-09	0.0001435	0.0014021	0.0004181	0.018425	0.01652044	0.347289
6038	479732.88	3850933.83	0.019	0.10448	0.00091	0.00152	0.00167	0.00166	0.11229	0.10448	0.35074747	0.004445463	2.182E-09	0.0001417	0.0013855	0.0004132	0.018329	0.01636692	0.359095

6039	479645.02	3850891.18	0.01968	0.10415	0.0009	0.00151	0.00166	0.00164	0.11208	0.10415
6040	479557.17	3850848.54	0.02015	0.10338	0.00089	0.00149	0.00164	0.00161	0.11099	0.10338
6041	479469.32	3850805.89	0.02049	0.10445	0.00089	0.00147	0.00162	0.00158	0.11192	0.10445
6042	479381.46	3850763.24	0.02059	0.10355	0.00088	0.00145	0.00161	0.00155	0.11068	0.10355
6043	479293.61	3850720.59	0.02052	0.10178	0.00088	0.00143	0.00159	0.00153	0.10861	0.10178
6044	479205.76	3850677.95	0.02041	0.10052	0.00088	0.00142	0.00158	0.0015	0.10712	0.10052
6045	479117.9	3850635.3	0.02029	0.0973	0.00088	0.0014	0.00156	0.00148	0.10332	0.0973
6046	479030.05	3850592.65	0.02002	0.09454	0.00088	0.00138	0.00155	0.00145	0.09998	0.09454
6047	478942.19	3850550	0.01946	0.09619	0.00088	0.00136	0.00154	0.00142	0.10157	0.09619
6048	478854.34	3850507.36	0.01898	0.10276	0.00087	0.00133	0.00152	0.00138	0.10836	0.10276
6049	478766.49	3850464.71	0.01854	0.10318	0.00086	0.00131	0.00147	0.00136	0.10848	0.10318
6050	478678.63	3850422.06	0.01822	0.10303	0.00086	0.00129	0.00146	0.00133	0.1081	0.10303
6051	478590.78	3850379.41	0.01801	0.10324	0.00086	0.00128	0.00144	0.00131	0.10807	0.10324
6052	478502.93	3850336.77	0.01781	0.103	0.00086	0.00126	0.00143	0.0013	0.10757	0.103
6053	478415.07	3850294.12	0.01757	0.10204	0.00086	0.00124	0.00141	0.00128	0.10627	0.10204
6054	478327.22	3850251.47	0.01727	0.10264	0.00086	0.00122	0.0014	0.00127	0.1067	0.10264
6055	478239.36	3850208.82	0.01706	0.10275	0.00085	0.00121	0.00139	0.00125	0.10659	0.10275
6056	478151.51	3850166.18	0.01697	0.10259	0.00085	0.00119	0.00138	0.00124	0.10617	0.10259
6057	478063.66	3850123.53	0.01693	0.10216	0.00085	0.00118	0.00137	0.00123	0.10547	0.10216
6058	477975.8	3850080.88	0.01666	0.09969	0.00086	0.00118	0.00137	0.00124	0.10273	0.09969
6059	477887.95	3850038.23	0.01658	0.09921	0.00086	0.00117	0.00136	0.00123	0.10206	0.09921
6060	477800.1	3849995.59	0.01647	0.09775	0.00086	0.00117	0.00136	0.00123	0.10035	0.09775
6061	477712.24	3849952.94	0.01641	0.09812	0.00086	0.00116	0.00135	0.00123	0.1005	0.09812
6062	477624.39	3849910.29	0.01612	0.09804	0.00086	0.00115	0.00135	0.00122	0.10021	0.09804
6063	477536.54	3849867.64	0.01571	0.0967	0.00085	0.00114	0.00136	0.00122	0.09863	0.0967
6064	477448.68	3849825	0.01551	0.09631	0.00085	0.00113	0.00133	0.00121	0.09804	0.09631
6065	477360.83	3849782.35	0.01537	0.09543	0.00084	0.00112	0.00132	0.00121	0.09696	0.09543
6066	477272.97	3849739.7	0.01538	0.09403	0.00084	0.00111	0.00132	0.0012	0.0953	0.09403
6067	477185.12	3849697.05	0.0154	0.09365	0.00083	0.00111	0.00131	0.0012	0.09472	0.09365
6068	477097.27	3849654.41	0.01547	0.09477	0.00082	0.0011	0.0013	0.00119	0.09566	0.09477
6069	477009.41	3849611.76	0.01557	0.09781	0.00081	0.00109	0.00129	0.00118	0.09852	0.09781
6070	476841.49	3849530.08	0.01586	0.0986	0.0008	0.00107	0.00128	0.00117	0.09894	0.0986
6071	476761.41	3849491.05	0.01601	0.09854	0.00079	0.00106	0.00127	0.00117	0.09873	0.09854
6072	476681.34	3849452.02	0.01628	0.10104	0.00078	0.00106	0.00127	0.00116	0.10109	0.10104
6073	476601.26	3849412.99	0.01679	0.10609	0.00077	0.00105	0.00126	0.00116	0.10602	0.10609
6074	476456.32	3849353.67	0.0174	0.12213	0.00074	0.00103	0.00125	0.00114	0.12221	0.12213
6075	476305.43	3849318.83	0.01689	0.11671	0.00073	0.00103	0.00126	0.00115	0.11746	0.11671
6076	476129.36	3849289.99	0.01641	0.10593	0.0007	0.00104	0.00127	0.00115	0.10679	0.10593
6077	476039.31	3849275.68	0.01615	0.10217	0.00069	0.00104	0.00128	0.00115	0.10287	0.10217
6078	475949.26	3849261.38	0.01611	0.10354	0.00068	0.00103	0.00129	0.00114	0.10409	0.10354
6079	475859.21	3849247.08	0.01589	0.09811	0.00067	0.00104	0.00129	0.00114	0.09849	0.09811
6080	475769.16	3849232.77	0.01585	0.09404	0.00066	0.00103	0.0013	0.00114	0.0943	0.09404
6081	475585.22	3849219.27	0.01239	0.05476	0.00062	0.00101	0.00131	0.0011	0.05507	0.05476
6082	475444.49	3849150.34	0.01925	0.10805	0.00063	0.00102	0.0013	0.0011	0.10854	0.10805
6083	475334.17	3849118.71	0.0153	0.08993	0.00063	0.00102	0.0013	0.0011	0.09028	0.08993
6084	475230.46	3849060.57	0.01646	0.10578	0.00062	0.00101	0.00129	0.00109	0.10622	0.10578
6085	475110.86	3848960.97	0.01615	0.12204	0.00061	0.00099	0.00127	0.00107	0.12319	0.12204
6086	475037.79	3848896.28	0.0156	0.12794	0.0006	0.00098	0.00126	0.00106	0.12915	0.12794
6087	474964.72	3848831.59	0.01545	0.13322	0.0006	0.00097	0.00125	0.00105	0.13444	0.13322
6088	474891.65	3848766.9	0.01475	0.13642	0.00059	0.00096	0.00124	0.00104	0.13764	0.13642
6089	474818.58	3848702.22	0.01421	0.14186	0.00058	0.00095	0.00122	0.00103	0.14308	0.14186
6090	474745.51	3848637.53	0.01245	0.13704	0.00058	0.00095	0.00121	0.00103	0.13817	0.13704
6091	474672.44	3848572.84	0.01178	0.14037	0.00058	0.00094	0.0012	0.00102	0.14148	0.14037
6092	474599.37	3848508.15	0.01158	0.14912	0.00057	0.00093	0.00119	0.00101	0.15025	0.14912
6093	474526.3	3848443.46	0.01111	0.15357	0.00057	0.00092	0.00118	0.001	0.1547	0.15357

0.36330054	0.004431422	2.159E-09	0.0001407	0.0013772	0.0004082	0.018295	0.01631522	0.371638
0.37197692	0.00439866	2.135E-09	0.0001389	0.0013606	0.0004007	0.018117	0.0161946	0.380198
0.37825345	0.004444186	2.135E-09	0.000137	0.001344	0.0003933	0.018269	0.01636222	0.386478
0.38009949	0.004405893	2.111E-09	0.0001351	0.0013357	0.0003858	0.018066	0.01622123	0.388207
0.37880727	0.004330582	2.111E-09	0.0001333	0.0013192	0.0003808	0.017728	0.01594396	0.386755
0.37677662	0.004276971	2.111E-09	0.0001323	0.0013109	0.0003733	0.017485	0.01574658	0.384609
0.37456137	0.004139965	2.111E-09	0.0001305	0.0012943	0.0003684	0.016865	0.01524216	0.382117
0.36957707	0.004022531	2.111E-09	0.0001286	0.001286	0.0003609	0.01632	0.01480981	0.376885
0.35923925	0.004092736	2.111E-09	0.0001267	0.0012777	0.0003534	0.016579	0.01506828	0.366601
0.35037826	0.00437228	2.087E-09	0.000124	0.0012611	0.0003435	0.017687	0.01609748	0.358069
0.34225569	0.00439015	2.063E-09	0.0001221	0.0012196	0.0003385	0.017707	0.01616327	0.34987
0.33634836	0.004383768	2.063E-09	0.0001202	0.0012113	0.000331	0.017645	0.01613977	0.3439
0.33247168	0.004392703	2.063E-09	0.0001193	0.0011947	0.0003261	0.01764	0.01617267	0.339972
0.3287796	0.004382491	2.063E-09	0.0001174	0.0011864	0.0003236	0.017559	0.01613508	0.336213
0.32434911	0.004341645	2.063E-09	0.0001156	0.0011698	0.0003186	0.017346	0.01598469	0.331656
0.31881099	0.004367174	2.063E-09	0.0001137	0.0011615	0.0003161	0.017416	0.01607868	0.326107
0.31493431	0.004371854	2.039E-09	0.0001128	0.0011532	0.0003111	0.017399	0.01609591	0.322186
0.31327287	0.004365046	2.039E-09	0.0001109	0.0011449	0.0003086	0.01733	0.01607085	0.320462
0.31253445	0.00434675	2.039E-09	0.00011	0.0011366	0.0003061	0.017216	0.01600349	0.319646
0.30755015	0.004241656	2.063E-09	0.00011	0.0011366	0.0003086	0.016768	0.01561656	0.314499
0.30607332	0.004221232	2.063E-09	0.000109	0.0011283	0.0003061	0.016659	0.01554137	0.312956
0.30404267	0.004159112	2.063E-09	0.000109	0.0011283	0.0003061	0.01638	0.01531266	0.310813
0.30293505	0.004174855	2.063E-09	0.0001081	0.00112	0.0003061	0.016404	0.01537062	0.309678
0.29758154	0.004171451	2.063E-09	0.0001072	0.00112	0.0003037	0.016357	0.01535809	0.304283
0.29001277	0.004114436	2.039E-09	0.0001062	0.0011283	0.0003037	0.016099	0.01514817	0.296617
0.2863207	0.004097842	2.039E-09	0.0001053	0.0011034	0.0003012	0.016003	0.01508708	0.292844
0.28373624	0.004060399	2.015E-09	0.0001044	0.0010951	0.0003012	0.015827	0.01494923	0.290175
0.28392085	0.004000831	2.015E-09	0.0001034	0.0010951	0.0002987	0.015556	0.01472991	0.290245
0.28429005	0.003984663	1.991E-09	0.0001034	0.0010868	0.0002987	0.015461	0.01467039	0.290554
0.28558228	0.004032317	1.967E-09	0.0001025	0.0010786	0.0002962	0.015614	0.01484584	0.29186
0.28742832	0.004161665	1.943E-09	0.0001016	0.0010703	0.0002937	0.016081	0.01532206	0.293815
0.29278183	0.004195278	1.919E-09	9.972E-05	0.001062	0.0002912	0.01615	0.01544581	0.299134
0.29555089	0.004192725	1.895E-09	9.879E-05	0.0010537	0.0002912	0.016116	0.01543641	0.301866
0.3005352	0.004299096	1.871E-09	9.879E-05	0.0010537	0.0002887	0.016501	0.01582804	0.306948
0.30995	0.004513966	1.847E-09	9.786E-05	0.0010454	0.0002887	0.017306	0.01661913	0.316582
0.32121084	0.005196443	1.775E-09	9.599E-05	0.0010371	0.0002837	0.019948	0.01913181	0.32864
0.31179604	0.00496583	1.751E-09	9.599E-05	0.0010454	0.0002862	0.019173	0.01828276	0.31908
0.30293505	0.004507158	1.679E-09	9.692E-05	0.0010537	0.0002862	0.017431	0.01659406	0.309716
0.29813535	0.004347176	1.655E-09	9.692E-05	0.001062	0.0002862	0.016791	0.01600505	0.304714
0.29739693	0.004405467	1.631E-09	9.599E-05	0.0010703	0.0002837	0.01699	0.01621967	0.304023
0.29333565	0.004174429	1.607E-09	9.692E-05	0.0010703	0.0002837	0.016076	0.01536905	0.299668
0.29259723	0.004001257	1.583E-09	9.599E-05	0.0010786	0.0002837	0.015392	0.01473148	0.298718
0.22872427	0.002329954	1.487E-09	9.413E-05	0.0010868	0.0002738	0.008989	0.00857822	0.23292
0.35536257	0.004597361	1.511E-09	9.506E-05	0.0010786	0.0002738	0.017717	0.01692616	0.362198
0.28244401	0.003826383	1.511E-09	9.506E-05	0.0010786	0.0002738	0.014736	0.01408764	0.288366
0.30385807	0.004500776	1.487E-09	9.413E-05	0.0010703	0.0002713	0.017338	0.01657057	0.310562
0.29813535	0.005192614	1.463E-09	9.226E-05	0.0010537	0.0002663	0.020108	0.01911771	0.305731
0.28798213	0.00544365	1.439E-09	9.133E-05	0.0010454	0.0002638	0.021081	0.02004196	0.295865
0.28521307	0.005668306	1.439E-09	9.04E-05	0.0010371	0.0002613	0.021944	0.02086908	0.293346
0.2722908	0.005804461	1.415E-09	8.947E-05	0.0010288	0.0002589	0.022467	0.02137036	0.280569
0.26232219	0.006035924	1.391E-09	8.854E-05	0.0010122	0.0002564	0.023355	0.02222254	0.270847
0.22983189	0.005830841	1.391E-09	8.854E-05	0.0010039	0.0002564	0.022553	0.02146748	0.238097
0.21746343	0.005972527	1.391E-09	8.76E-05	0.0009956	0.0002539	0.023094	0.02198913	0.225877
0.21377135	0.006344826	1.367E-09	8.667E-05	0.0009873	0.0002514	0.024525	0.02335983	0.222607
0.20509497	0.006534167	1.367E-09	8.574E-05	0.000979	0.0002489	0.025251	0.02405693	0.214137

PM10 Period Concentration [ug/m^3] at 1 g/s

	X	Y	Equipmen	Rail Haulin	Rail Idling	Off-Site	Solar	33kV	S Main	Remove E:
1	485973.61	3854936.51	0.03545	0.00803	0.01577	0.03216	0.00642	0.02259	0.01869	0.00803
2	486023.61	3854936.51	0.03468	0.00789	0.01542	0.03074	0.00638	0.02177	0.01795	0.00789
3	486073.61	3854936.51	0.0338	0.00778	0.01515	0.02957	0.00637	0.0211	0.01734	0.00778
4	486123.61	3854936.51	0.03298	0.00761	0.01479	0.02813	0.00632	0.02023	0.01657	0.00761
5	486173.61	3854936.51	0.0324	0.00754	0.01465	0.02732	0.00637	0.01977	0.01615	0.00754
6	486223.61	3854936.51	0.03173	0.00742	0.01441	0.02625	0.00636	0.01914	0.01558	0.00742
7	486273.61	3854936.51	0.03111	0.00732	0.01423	0.02534	0.00638	0.0186	0.0151	0.00732
8	486323.61	3854936.51	0.03054	0.00723	0.01407	0.02452	0.00641	0.01812	0.01467	0.00723
9	485973.61	3854986.51	0.03707	0.00823	0.01577	0.03393	0.00675	0.02361	0.01946	0.00823
10	486023.61	3854986.51	0.03625	0.0081	0.01548	0.03247	0.0067	0.02279	0.01872	0.0081
11	486073.61	3854986.51	0.03544	0.00795	0.01519	0.03103	0.00666	0.02195	0.01798	0.00795
12	486123.61	3854986.51	0.03469	0.00782	0.01494	0.02971	0.00665	0.02118	0.01729	0.00782
13	486173.61	3854986.51	0.03383	0.00772	0.01478	0.02868	0.00667	0.02059	0.01676	0.00772
14	486223.61	3854986.51	0.0331	0.00759	0.01456	0.02751	0.00666	0.01989	0.01615	0.00759
15	486273.61	3854986.51	0.03237	0.00745	0.01434	0.02636	0.00665	0.01921	0.01554	0.00745
16	486323.61	3854986.51	0.03185	0.00741	0.01428	0.02573	0.00672	0.01886	0.01522	0.00741
17	485973.61	3855036.51	0.03877	0.00844	0.01585	0.0359	0.0071	0.02473	0.0203	0.00844
18	486023.61	3855036.51	0.03785	0.0083	0.01558	0.03424	0.00704	0.0238	0.01947	0.0083
19	486073.61	3855036.51	0.03696	0.00813	0.01529	0.03257	0.00698	0.02283	0.01863	0.00813
20	486123.61	3855036.51	0.03615	0.00799	0.01508	0.03117	0.00696	0.02202	0.01791	0.00799
21	486173.61	3855036.51	0.03541	0.0079	0.01495	0.03007	0.00699	0.0214	0.01736	0.0079
22	486223.61	3855036.51	0.03446	0.00775	0.01473	0.02872	0.00696	0.02061	0.01666	0.00775
23	486273.61	3855036.51	0.03381	0.00767	0.01463	0.02783	0.00701	0.0201	0.01621	0.00767
24	486323.61	3855036.51	0.03311	0.00755	0.01445	0.02677	0.00701	0.01948	0.01566	0.00755
25	485973.61	3855086.51	0.04046	0.00865	0.01599	0.03794	0.00747	0.02585	0.02113	0.00865
26	486023.61	3855086.51	0.03954	0.00852	0.0158	0.03624	0.00741	0.02491	0.0203	0.00852
27	486073.61	3855086.51	0.03857	0.00834	0.01553	0.03439	0.00734	0.02386	0.01938	0.00834
28	486123.61	3855086.51	0.0377	0.00822	0.01538	0.03297	0.00733	0.02306	0.01869	0.00822
29	486173.61	3855086.51	0.03684	0.00806	0.01517	0.03145	0.0073	0.02218	0.01792	0.00806
30	486223.61	3855086.51	0.03606	0.00795	0.01502	0.03023	0.00732	0.02149	0.01731	0.00795
31	485973.61	3855136.51	0.04208	0.00891	0.0163	0.04033	0.00788	0.02716	0.0221	0.00891
32	486023.61	3855136.51	0.04113	0.00874	0.0161	0.03831	0.00781	0.02605	0.02114	0.00874
33	486073.61	3855136.51	0.04022	0.00857	0.0159	0.03644	0.00774	0.025	0.02023	0.00857
34	486123.61	3855136.51	0.03929	0.00843	0.01572	0.03477	0.0077	0.02407	0.01942	0.00843
35	486173.61	3855136.51	0.03837	0.00828	0.01551	0.03318	0.00768	0.02317	0.01864	0.00828
36	486223.61	3855136.51	0.03751	0.00814	0.01532	0.03176	0.00768	0.02236	0.01794	0.00814
37	485973.61	3855186.51	0.04371	0.00917	0.01675	0.04296	0.00831	0.02855	0.02314	0.00917
38	486023.61	3855186.51	0.0427	0.009	0.01657	0.04074	0.00825	0.02737	0.02212	0.009
39	486073.61	3855186.51	0.04177	0.0088	0.01632	0.03854	0.00816	0.02615	0.02107	0.0088
40	486123.61	3855186.51	0.04087	0.00861	0.01607	0.03655	0.00808	0.02503	0.02011	0.00861
41	486173.61	3855186.51	0.03993	0.00846	0.01585	0.03487	0.00806	0.0241	0.01931	0.00846
42	486223.61	3855186.51	0.039	0.00832	0.01563	0.03332	0.00805	0.02324	0.01856	0.00832
43	486273.61	3855186.51	0.03811	0.00817	0.0154	0.03185	0.00806	0.0224	0.01785	0.00817
44	486323.61	3855186.51	0.03736	0.00813	0.01534	0.03101	0.00818	0.02196	0.01746	0.00813
45	485973.61	3855236.51	0.04538	0.00943	0.01734	0.04581	0.00875	0.03001	0.02421	0.00943
46	486023.61	3855236.51	0.04436	0.00922	0.01707	0.04314	0.00868	0.02859	0.02301	0.00922
47	486073.61	3855236.51	0.04338	0.009	0.01678	0.04067	0.00858	0.02727	0.02187	0.009
48	486123.61	3855236.51	0.0424	0.00883	0.01652	0.03861	0.00852	0.02615	0.02092	0.00883
49	486173.61	3855236.51	0.04146	0.00867	0.01628	0.03676	0.00848	0.02513	0.02005	0.00867
50	486223.61	3855236.51	0.04055	0.00851	0.01604	0.03502	0.00846	0.02416	0.01922	0.00851
51	486273.61	3855236.51	0.03955	0.00831	0.01575	0.03315	0.00841	0.0231	0.01832	0.00831
52	486323.61	3855236.51	0.03879	0.00832	0.01579	0.03249	0.00859	0.0228	0.01804	0.00832
53	485973.61	3855286.51	0.04711	0.0097	0.01805	0.04896	0.00918	0.03158	0.02535	0.0097

Rates (g/s): 4.80E+00 4.25E-02 2.40E-06 2.42E-02 2.16E-01 6.47E-02 1.63E-01 1.57E-01

Mitigated Concentration [ug/m^3]

	Equipmen	Rail Haulir	Rail Idling	Off-Site	Solar	33kV	S Main	Remove E:	Total
1	1.70E-01	3.42E-04	3.78E-08	7.79E-04	1.38E-03	1.46E-03	3.05E-03	1.26E-03	1.76E-01
2	1.66E-01	3.36E-04	3.70E-08	7.45E-04	1.38E-03	1.41E-03	2.93E-03	1.24E-03	1.72E-01
3	1.62E-01	3.31E-04	3.63E-08	7.16E-04	1.37E-03	1.37E-03	2.83E-03	1.22E-03	1.68E-01
4	1.58E-01	3.24E-04	3.55E-08	6.82E-04	1.36E-03	1.31E-03	2.70E-03	1.19E-03	1.63E-01
5	1.55E-01	3.21E-04	3.51E-08	6.62E-04	1.37E-03	1.28E-03	2.64E-03	1.18E-03	1.61E-01
6	1.52E-01	3.16E-04	3.46E-08	6.36E-04	1.37E-03	1.24E-03	2.54E-03	1.16E-03	1.57E-01
7	1.49E-01	3.11E-04	3.41E-08	6.14E-04	1.38E-03	1.20E-03	2.46E-03	1.15E-03	1.54E-01
8	1.47E-01	3.08E-04	3.37E-08	5.94E-04	1.38E-03	1.17E-03	2.39E-03	1.13E-03	1.51E-01
9	1.78E-01	3.50E-04	3.78E-08	8.22E-04	1.46E-03	1.53E-03	3.18E-03	1.29E-03	1.84E-01
10	1.74E-01	3.45E-04	3.71E-08	7.87E-04	1.45E-03	1.47E-03	3.06E-03	1.27E-03	1.80E-01
11	1.70E-01	3.38E-04	3.64E-08	7.52E-04	1.44E-03	1.42E-03	2.93E-03	1.25E-03	1.76E-01
12	1.66E-01	3.33E-04	3.58E-08	7.20E-04	1.43E-03	1.37E-03	2.82E-03	1.23E-03	1.72E-01
13	1.62E-01	3.28E-04	3.54E-08	6.95E-04	1.44E-03	1.33E-03	2.74E-03	1.21E-03	1.68E-01
14	1.59E-01	3.23E-04	3.49E-08	6.66E-04	1.44E-03	1.29E-03	2.64E-03	1.19E-03	1.64E-01
15	1.55E-01	3.17E-04	3.44E-08	6.39E-04	1.43E-03	1.24E-03	2.54E-03	1.17E-03	1.60E-01
16	1.53E-01	3.15E-04	3.42E-08	6.23E-04	1.45E-03	1.22E-03	2.48E-03	1.16E-03	1.58E-01
17	1.86E-01	3.59E-04	3.80E-08	8.70E-04	1.53E-03	1.60E-03	3.31E-03	1.32E-03	1.92E-01
18	1.82E-01	3.53E-04	3.74E-08	8.30E-04	1.52E-03	1.54E-03	3.18E-03	1.30E-03	1.88E-01
19	1.77E-01	3.46E-04	3.67E-08	7.89E-04	1.51E-03	1.48E-03	3.04E-03	1.27E-03	1.83E-01
20	1.73E-01	3.40E-04	3.62E-08	7.55E-04	1.50E-03	1.42E-03	2.92E-03	1.25E-03	1.79E-01
21	1.70E-01	3.36E-04	3.59E-08	7.29E-04	1.51E-03	1.38E-03	2.83E-03	1.24E-03	1.75E-01
22	1.65E-01	3.30E-04	3.53E-08	6.96E-04	1.50E-03	1.33E-03	2.72E-03	1.21E-03	1.71E-01
23	1.62E-01	3.26E-04	3.51E-08	6.74E-04	1.51E-03	1.30E-03	2.65E-03	1.20E-03	1.68E-01
24	1.59E-01	3.21E-04	3.47E-08	6.49E-04	1.51E-03	1.26E-03	2.56E-03	1.18E-03	1.64E-01
25	1.94E-01	3.68E-04	3.83E-08	9.19E-04	1.61E-03	1.67E-03	3.45E-03	1.36E-03	2.01E-01
26	1.90E-01	3.63E-04	3.79E-08	8.78E-04	1.60E-03	1.61E-03	3.31E-03	1.33E-03	1.96E-01
27	1.85E-01	3.55E-04	3.72E-08	8.33E-04	1.58E-03	1.54E-03	3.16E-03	1.31E-03	1.91E-01
28	1.81E-01	3.50E-04	3.69E-08	7.99E-04	1.58E-03	1.49E-03	3.05E-03	1.29E-03	1.87E-01
29	1.77E-01	3.43E-04	3.64E-08	7.62E-04	1.57E-03	1.44E-03	2.93E-03	1.26E-03	1.83E-01
30	1.73E-01	3.38E-04	3.60E-08	7.32E-04	1.58E-03	1.39E-03	2.83E-03	1.25E-03	1.79E-01
31	2.02E-01	3.79E-04	3.91E-08	9.77E-04	1.70E-03	1.76E-03	3.61E-03	1.40E-03	2.09E-01
32	1.97E-01	3.72E-04	3.86E-08	9.28E-04	1.68E-03	1.69E-03	3.45E-03	1.37E-03	2.04E-01
33	1.93E-01	3.65E-04	3.81E-08	8.83E-04	1.67E-03	1.62E-03	3.30E-03	1.34E-03	2.00E-01
34	1.89E-01	3.59E-04	3.77E-08	8.42E-04	1.66E-03	1.56E-03	3.17E-03	1.32E-03	1.95E-01
35	1.84E-01	3.52E-04	3.72E-08	8.04E-04	1.66E-03	1.50E-03	3.04E-03	1.30E-03	1.90E-01
36	1.80E-01	3.46E-04	3.67E-08	7.69E-04	1.66E-03	1.45E-03	2.93E-03	1.28E-03	1.86E-01
37	2.10E-01	3.90E-04	4.02E-08	1.04E-03	1.79E-03	1.85E-03	3.78E-03	1.44E-03	2.17E-01
38	2.05E-01	3.83E-04	3.97E-08	9.87E-04	1.78E-03	1.77E-03	3.61E-03	1.41E-03	2.12E-01
39	2.00E-01	3.74E-04	3.91E-08	9.34E-04	1.76E-03	1.69E-03	3.44E-03	1.38E-03	2.07E-01
40	1.96E-01	3.66E-04	3.85E-08	8.85E-04	1.74E-03	1.62E-03	3.28E-03	1.35E-03	2.03E-01
41	1.92E-01	3.60E-04	3.80E-08	8.45E-04	1.74E-03	1.56E-03	3.15E-03	1.33E-03	1.98E-01
42	1.87E-01	3.54E-04	3.75E-08	8.07E-04	1.74E-03	1.50E-03	3.03E-03	1.30E-03	1.93E-01
43	1.83E-01	3.48E-04	3.69E-08	7.72E-04	1.74E-03	1.45E-03	2.91E-03	1.28E-03	1.89E-01
44	1.79E-01	3.46E-04	3.68E-08	7.51E-04	1.76E-03	1.42E-03	2.85E-03	1.27E-03	1.85E-01
45	2.18E-01	4.01E-04	4.16E-08	1.11E-03	1.89E-03	1.94E-03	3.95E-03	1.48E-03	2.26E-01
46	2.13E-01	3.92E-04	4.09E-08	1.05E-03	1.87E-03	1.85E-03	3.76E-03	1.44E-03	2.20E-01
47	2.08E-01	3.83E-04	4.02E-08	9.85E-04	1.85E-03	1.76E-03	3.57E-03	1.41E-03	2.15E-01
48	2.03E-01	3.76E-04	3.96E-08	9.35E-04	1.84E-03	1.69E-03	3.41E-03	1.38E-03	2.10E-01
49	1.99E-01	3.69E-04	3.90E-08	8.91E-04	1.83E-03	1.63E-03	3.27E-03	1.36E-03	2.06E-01
50	1.95E-01	3.62E-04	3.85E-08	8.48E-04	1.82E-03	1.56E-03	3.14E-03	1.33E-03	2.01E-01
51	1.90E-01	3.54E-04	3.78E-08	8.03E-04	1.81E-03	1.49E-03	2.99E-03	1.30E-03	1.96E-01
52	1.86E-01	3.54E-04	3.79E-08	7.87E-04	1.85E-03	1.48E-03	2.94E-03	1.30E-03	1.92E-01
53	2.26E-01	4.13E-04	4.33E-08	1.19E-03	1.98E-03	2.04E-03	4.14E-03	1.52E-03	2.34E-01

54	486023.61	3855286.51	0.04605	0.00946	0.01771	0.04588	0.00913	0.02997	0.02401	0.00946	2.21E-01	4.03E-04	4.25E-08	1.11E-03	1.97E-03	1.94E-03	3.92E-03	1.48E-03	2.29E-01
55	486073.61	3855286.51	0.04499	0.00925	0.0174	0.04323	0.00906	0.02859	0.02283	0.00925	2.16E-01	3.94E-04	4.17E-08	1.05E-03	1.95E-03	1.85E-03	3.73E-03	1.45E-03	2.23E-01
56	486123.61	3855286.51	0.04399	0.00904	0.01709	0.04079	0.00898	0.02728	0.02173	0.00904	2.11E-01	3.85E-04	4.10E-08	9.88E-04	1.94E-03	1.77E-03	3.55E-03	1.42E-03	2.18E-01
57	486173.61	3855286.51	0.04301	0.00886	0.01682	0.03864	0.00891	0.02612	0.02074	0.00886	2.06E-01	3.77E-04	4.03E-08	9.36E-04	1.92E-03	1.69E-03	3.39E-03	1.39E-03	2.13E-01
58	486223.61	3855286.51	0.04204	0.00871	0.01663	0.03684	0.0089	0.02515	0.01992	0.00871	2.02E-01	3.71E-04	3.99E-08	8.93E-04	1.92E-03	1.63E-03	3.25E-03	1.36E-03	2.08E-01
59	486123.61	3855336.51	0.04563	0.00926	0.01788	0.04319	0.00947	0.0285	0.02259	0.00926	2.19E-01	3.94E-04	4.29E-08	1.05E-03	2.04E-03	1.84E-03	3.69E-03	1.45E-03	2.27E-01
60	486173.61	3855336.51	0.04457	0.00909	0.01767	0.04092	0.00942	0.02731	0.02159	0.00909	2.14E-01	3.87E-04	4.24E-08	9.91E-04	2.03E-03	1.77E-03	3.52E-03	1.42E-03	2.21E-01
61	486223.61	3855336.51	0.04356	0.00892	0.01748	0.03881	0.00937	0.02619	0.02065	0.00892	2.09E-01	3.80E-04	4.19E-08	9.40E-04	2.02E-03	1.69E-03	3.37E-03	1.40E-03	2.16E-01
62	486123.61	3855386.51	0.04731	0.00951	0.01899	0.04597	0.01	0.02988	0.02356	0.00951	2.27E-01	4.05E-04	4.55E-08	1.11E-03	2.16E-03	1.93E-03	3.85E-03	1.49E-03	2.35E-01
63	486173.61	3855386.51	0.04618	0.00932	0.0188	0.0434	0.00995	0.02856	0.02247	0.00932	2.22E-01	3.97E-04	4.51E-08	1.05E-03	2.15E-03	1.85E-03	3.67E-03	1.46E-03	2.29E-01
64	486223.61	3855386.51	0.0451	0.00915	0.01864	0.04114	0.00991	0.0274	0.0215	0.00915	2.16E-01	3.89E-04	4.47E-08	9.97E-04	2.14E-03	1.77E-03	3.51E-03	1.43E-03	2.24E-01
65	486533.18	3855443.15	0.04081	0.00854	0.01871	0.03307	0.01084	0.02312	0.01778	0.00854	1.96E-01	3.63E-04	4.49E-08	8.01E-04	2.34E-03	1.50E-03	2.90E-03	1.34E-03	2.02E-01
66	486583.18	3855443.15	0.03999	0.0084	0.01838	0.03175	0.01088	0.02239	0.01718	0.0084	1.92E-01	3.57E-04	4.41E-08	7.69E-04	2.35E-03	1.45E-03	2.80E-03	1.32E-03	1.98E-01
67	486633.18	3855443.15	0.03917	0.00827	0.01804	0.03052	0.01092	0.02171	0.01661	0.00827	1.88E-01	3.52E-04	4.33E-08	7.39E-04	2.36E-03	1.40E-03	2.71E-03	1.30E-03	1.94E-01
68	486683.18	3855443.15	0.03837	0.00817	0.01775	0.02952	0.01102	0.02115	0.01615	0.00817	1.84E-01	3.48E-04	4.26E-08	7.15E-04	2.38E-03	1.37E-03	2.64E-03	1.28E-03	1.90E-01
69	486533.18	3855493.15	0.04212	0.00873	0.01969	0.03463	0.01145	0.02397	0.01835	0.00873	2.02E-01	3.71E-04	4.72E-08	8.39E-04	2.47E-03	1.55E-03	3.00E-03	1.37E-03	2.09E-01
70	486583.18	3855493.15	0.04125	0.00859	0.01934	0.03324	0.01152	0.02322	0.01774	0.00859	1.98E-01	3.65E-04	4.64E-08	8.05E-04	2.48E-03	1.50E-03	2.90E-03	1.35E-03	2.05E-01
71	486633.18	3855493.15	0.04042	0.00846	0.01896	0.03193	0.01157	0.0225	0.01714	0.00846	1.94E-01	3.60E-04	4.55E-08	7.74E-04	2.50E-03	1.46E-03	2.80E-03	1.33E-03	2.01E-01
72	486683.18	3855493.15	0.03961	0.00833	0.01859	0.03072	0.01164	0.02182	0.01659	0.00833	1.90E-01	3.54E-04	4.46E-08	7.44E-04	2.51E-03	1.41E-03	2.71E-03	1.30E-03	1.97E-01
73	486533.18	3855543.15	0.04344	0.00894	0.02078	0.03644	0.01214	0.02494	0.01901	0.00894	2.08E-01	3.80E-04	4.98E-08	8.83E-04	2.62E-03	1.61E-03	3.10E-03	1.40E-03	2.16E-01
74	486583.18	3855543.15	0.04256	0.00876	0.0203	0.03473	0.01217	0.02401	0.01826	0.00876	2.04E-01	3.73E-04	4.87E-08	8.41E-04	2.62E-03	1.55E-03	2.98E-03	1.37E-03	2.11E-01
75	486633.18	3855543.15	0.04168	0.00863	0.01991	0.03334	0.01225	0.02326	0.01765	0.00863	2.00E-01	3.67E-04	4.78E-08	8.08E-04	2.64E-03	1.50E-03	2.88E-03	1.35E-03	2.07E-01
76	486683.18	3855543.15	0.04086	0.00847	0.01943	0.03188	0.01228	0.02244	0.01698	0.00847	1.96E-01	3.60E-04	4.66E-08	7.72E-04	2.65E-03	1.45E-03	2.77E-03	1.33E-03	2.03E-01
77	486533.18	3855593.15	0.04483	0.00913	0.0219	0.03833	0.01287	0.02591	0.01965	0.00913	2.15E-01	3.88E-04	5.25E-08	9.29E-04	2.78E-03	1.68E-03	3.21E-03	1.43E-03	2.23E-01
78	486583.18	3855593.15	0.04388	0.00897	0.0214	0.03652	0.01292	0.02496	0.01889	0.00897	2.11E-01	3.82E-04	5.13E-08	8.85E-04	2.79E-03	1.61E-03	3.08E-03	1.41E-03	2.18E-01
79	486633.18	3855593.15	0.04297	0.00882	0.02092	0.03492	0.01299	0.0241	0.0182	0.00882	2.06E-01	3.75E-04	5.02E-08	8.46E-04	2.80E-03	1.56E-03	2.97E-03	1.38E-03	2.13E-01
80	486683.18	3855593.15	0.04207	0.00869	0.0205	0.03355	0.0131	0.02336	0.01761	0.00869	2.02E-01	3.70E-04	4.92E-08	8.13E-04	2.83E-03	1.51E-03	2.87E-03	1.36E-03	2.09E-01
81	486533.18	3855643.15	0.04626	0.00935	0.02307	0.04051	0.01367	0.02702	0.02037	0.00935	2.22E-01	3.98E-04	5.53E-08	9.81E-04	2.95E-03	1.75E-03	3.32E-03	1.46E-03	2.30E-01
82	486583.18	3855643.15	0.04525	0.00918	0.02252	0.03855	0.01375	0.02599	0.01956	0.00918	2.17E-01	3.91E-04	5.40E-08	9.34E-04	2.97E-03	1.68E-03	3.19E-03	1.44E-03	2.25E-01
83	486633.18	3855643.15	0.04428	0.00902	0.02197	0.03676	0.01382	0.02506	0.01883	0.00902	2.12E-01	3.84E-04	5.27E-08	8.91E-04	2.98E-03	1.62E-03	3.07E-03	1.41E-03	2.20E-01
84	486683.18	3855643.15	0.04335	0.00887	0.02145	0.03519	0.01392	0.02423	0.01817	0.00887	2.08E-01	3.77E-04	5.14E-08	8.53E-04	3.00E-03	1.57E-03	2.97E-03	1.39E-03	2.15E-01
85	486533.18	3855693.15	0.04769	0.0096	0.0243	0.04317	0.01458	0.02834	0.02123	0.0096	2.29E-01	4.08E-04	5.83E-08	1.05E-03	3.14E-03	1.83E-03	3.47E-03	1.50E-03	2.37E-01
86	486583.18	3855693.15	0.04669	0.00938	0.02356	0.04072	0.01462	0.02708	0.02026	0.00938	2.24E-01	3.99E-04	5.65E-08	9.87E-04	3.15E-03	1.75E-03	3.31E-03	1.47E-03	2.32E-01
87	486633.18	3855693.15	0.04572	0.00917	0.02282	0.03849	0.01464	0.02592	0.01936	0.00917	2.19E-01	3.90E-04	5.47E-08	9.32E-04	3.16E-03	1.68E-03	3.16E-03	1.44E-03	2.27E-01
88	486683.18	3855693.15	0.04467	0.00906	0.02236	0.037	0.01482	0.02517	0.01877	0.00906	2.14E-01	3.85E-04	5.36E-08	8.96E-04	3.20E-03	1.63E-03	3.06E-03	1.42E-03	2.22E-01
89	486733.18	3855693.15	0.04364	0.00899	0.02202	0.03583	0.01508	0.0246	0.01832	0.00899	2.09E-01	3.83E-04	5.28E-08	8.68E-04	3.25E-03	1.59E-03	2.99E-03	1.41E-03	2.17E-01
90	486783.18	3855693.15	0.04263	0.00894	0.02174	0.03485	0.01543	0.02412	0.01794	0.00894	2.05E-01	3.80E-04	5.21E-08	8.44E-04	3.33E-03	1.56E-03	2.93E-03	1.40E-03	2.12E-01
91	486533.18	3855743.15	0.04923	0.00983	0.02543	0.04605	0.01554	0.02974	0.02213	0.00983	2.36E-01	4.18E-04	6.10E-08	1.12E-03	3.35E-03	1.92E-03	3.61E-03	1.54E-03	2.45E-01
92	486583.18	3855743.15	0.04822	0.00957	0.0245	0.04307	0.01555	0.02823	0.02097	0.00957	2.31E-01	4.07E-04	5.88E-08	1.04E-03	3.35E-03	1.83E-03	3.42E-03	1.50E-03	2.40E-01
93	486633.18	3855743.15	0.04714	0.00938	0.02378	0.04076	0.01563	0.02707	0.02009	0.00938	2.26E-01	3.99E-04	5.70E-08	9.87E-04	3.37E-03	1.75E-03	3.28E-03	1.47E-03	2.35E-01
94	486683.18	3855743.15	0.04599	0.00929	0.02335	0.03922	0.01586	0.02632	0.01952	0.00929	2.21E-01	3.95E-04	5.60E-08	9.50E-04	3.42E-03	1.70E-03	3.19E-03	1.46E-03	2.29E-01
95	486733.18	3855743.15	0.04495	0.00917	0.02282	0.03765	0.01607	0.02553	0.01891	0.00917	2.16E-01	3.90E-04	5.47E-08	9.12E-04	3.47E-03	1.65E-03	3.09E-03	1.44E-03	2.24E-01
96	486783.18	3855743.15	0.04384	0.00914	0.02257	0.03666	0.01648	0.02508	0.01856	0.00914	2.10E-01	3.89E-04	5.41E-08	8.88E-04	3.55E-03	1.62E-03	3.03E-03	1.43E-03	2.18E-01
97	486533.18	3855793.15	0.05084	0.01008	0.02655	0.04943	0.01661	0.03134	0.02317	0.01008	2.44E-01	4.29E-04	6.37E-08	1.20E-03	3.58E-03	2.03E-03	3.78E-03	1.58E-03	2.53E-01
98	486583.18	3855793.15	0.04986	0.00975	0.02534	0.04564	0.01655	0.02944	0.02173	0.00975	2.39E-01	4.15E-04	6.08E-08	1.11E-03	3.57E-03	1.90E-03	3.55E-03	1.53E-03	2.48E-01
99	486633.18	3855793.15	0.04856	0.00964	0.02482	0.04361	0.01679	0.0285	0.02102	0.00964	2.33E-01	4.10E-04	5.95E-08	1.06E-03	3.62E-03	1.84E-03	3.43E-03	1.51E-03	2.42E-01
100	486683.18	3855793.15	0.04732	0.00955	0.02434	0.04184	0.01705	0.02766	0.02039	0.00955	2.27E-01	4.06E-04	5.84E-08	1.01E-03	3.68E-03	1.79E-03	3.33E-03	1.50E-03	2.36E-01
101	486733.18	3855793.15	0.04619	0.00943	0.02379	0.04012	0.01729	0.02682	0.01975	0.00943	2.22E-01	4.01E-04	5.71E-08	9.72E-04	3.73E-03	1.74E-03	3.22E-03	1.48E-03	2.30E-01
102	486783.18	3855793.15	0.0451	0.00934	0.02331	0.03863	0.01761	0.0261	0.0192	0.00934	2.16E-01	3.97E-04	5.59E-08	9.36E-04	3.80E-03	1.69E-03	3.13E-03	1.46E-03	2.25E-01
103	486533.18	3855843.15	0.05266	0.01029	0.02736	0.053	0.01772	0.03294	0.02419	0.01029	2.53E-01	4.38E-04	6.56E-08	1.28E-03	3.82E-03	2.13E-03	3.95E-03	1.61E-03	2.63E-01
104	486583.18	3855843.15	0.05149	0.01001	0.02625	0.04911	0.01775	0.03108	0.02279	0.01001	2.47E-01	4.26E-04	6.30E-08	1.19E-03	3.83E-03	2.01E-03	3.72E-03	1.57E-03	2.57E-01
105	486633.18	3855843.15	0.05007	0.00989	0.02567	0.04677	0.01803	0.03002	0.022	0.00989	2.40E-01	4.21E-04	6.16E-08	1.13E-03	3.89E-03	1.94E-03	3.59E-03	1.55E-03	2.50E-01
106	486683.18	3855843.15	0.04875	0.00978	0.02511	0.04468	0.01831	0.02906	0.02129	0.00978	2.34E-01	4.16E-04	6.02E-08	1.08E-03	3.95E-03	1.88E-03	3.48E-03	1.53E-03	2.43E-01
107	486733.18	3855843.15	0.04751	0.00968	0.02455	0.0428	0.01861	0.02818	0.02063	0.00968	2.28E-01	4.12E-04	5.89E-08	1.04E-03	4.01E-03	1.82E-03	3.37E-03	1.52E-03	2.37E-01
108	486783.18	3855843.15	0.04636	0.00957	0.02396	0.04104	0.01893	0.02734	0.02	0.00957	2.22E-01	4.07E-04	5.75E-08	9.94E-04	4.08E-03	1.77E-03	3.26E-03	1.50E-03	2.31E-01
109	486533.18	3855893.15	0.05476	0.01044	0.02767	0.05666	0.01885	0.03447	0.02513	0.01044	2.63E-01	4.44E-04	6.64E-08	1.37E-03	4.07E-03	2.23E-03	4.10E-03	1.64E-03	2.73E-01
110	486583.18	3855893.15	0.05315	0.0103	0.02695	0.05337	0.01912	0.03304	0.02408	0.0103	2.55E-01	4.38E-04	6.46E-08	1.29E-03	4.12E-03	2.14E-03	3.93E-03	1.61E-03	2.65E-01

111	486633.18	3855893.15	0.05167	0.01015	0.02624	0.05043	0.0194	0.03173	0.02312	0.01015	2.48E-01	4.32E-04	6.29E-08	1.22E-03	4.18E-03	2.05E-03	3.77E-03	1.59E-03	2.58E-01
112	486683.18	3855893.15	0.05024	0.01003	0.02559	0.04796	0.01971	0.03063	0.0223	0.01003	2.41E-01	4.27E-04	6.14E-08	1.16E-03	4.25E-03	1.98E-03	3.64E-03	1.57E-03	2.51E-01
113	486733.18	3855893.15	0.04891	0.00992	0.02496	0.04575	0.02003	0.02962	0.02156	0.00992	2.35E-01	4.22E-04	5.99E-08	1.11E-03	4.32E-03	1.92E-03	3.52E-03	1.55E-03	2.44E-01
114	486783.18	3855893.15	0.04764	0.00983	0.02439	0.04385	0.02042	0.02876	0.02092	0.00983	2.29E-01	4.18E-04	5.85E-08	1.06E-03	4.40E-03	1.86E-03	3.41E-03	1.54E-03	2.38E-01
115	486533.18	3855943.15	0.0568	0.01071	0.02789	0.06192	0.02025	0.03671	0.02657	0.01071	2.73E-01	4.56E-04	6.69E-08	1.50E-03	4.37E-03	2.38E-03	4.34E-03	1.68E-03	2.84E-01
116	486583.18	3855943.15	0.05492	0.0106	0.02725	0.05841	0.02063	0.03528	0.02555	0.0106	2.64E-01	4.51E-04	6.54E-08	1.42E-03	4.45E-03	2.28E-03	4.17E-03	1.66E-03	2.75E-01
117	486633.18	3855943.15	0.05335	0.01043	0.02643	0.05474	0.02092	0.03369	0.0244	0.01043	2.56E-01	4.44E-04	6.34E-08	1.33E-03	4.51E-03	2.18E-03	3.98E-03	1.63E-03	2.67E-01
118	486683.18	3855943.15	0.05177	0.01032	0.02579	0.05193	0.02132	0.03248	0.02352	0.01032	2.48E-01	4.39E-04	6.19E-08	1.26E-03	4.60E-03	2.10E-03	3.84E-03	1.62E-03	2.59E-01
119	486733.18	3855943.15	0.05038	0.01018	0.02507	0.0492	0.02164	0.03125	0.02262	0.01018	2.42E-01	4.33E-04	6.01E-08	1.19E-03	4.67E-03	2.02E-03	3.69E-03	1.59E-03	2.52E-01
120	486783.18	3855943.15	0.049	0.01008	0.02448	0.04701	0.02207	0.03029	0.02191	0.01008	2.35E-01	4.29E-04	5.87E-08	1.14E-03	4.76E-03	1.96E-03	3.58E-03	1.58E-03	2.45E-01
121	486533.18	3855993.15	0.05889	0.01103	0.0278	0.06881	0.02186	0.03956	0.02841	0.01103	2.83E-01	4.69E-04	6.67E-08	1.67E-03	4.71E-03	2.56E-03	4.64E-03	1.73E-03	2.95E-01
122	486583.18	3855993.15	0.05692	0.01088	0.02702	0.06409	0.02223	0.03766	0.02708	0.01088	2.73E-01	4.63E-04	6.48E-08	1.55E-03	4.79E-03	2.44E-03	4.42E-03	1.70E-03	2.85E-01
123	486633.18	3855993.15	0.05514	0.01072	0.02626	0.05994	0.02262	0.03594	0.02586	0.01072	2.65E-01	4.56E-04	6.30E-08	1.45E-03	4.88E-03	2.33E-03	4.22E-03	1.68E-03	2.76E-01
124	486683.18	3855993.15	0.05344	0.0106	0.0256	0.05652	0.02307	0.03452	0.02485	0.0106	2.56E-01	4.51E-04	6.14E-08	1.37E-03	4.98E-03	2.23E-03	4.06E-03	1.66E-03	2.68E-01
125	486733.18	3855993.15	0.05192	0.01045	0.02489	0.05332	0.02347	0.03314	0.02385	0.01045	2.49E-01	4.45E-04	5.97E-08	1.29E-03	5.06E-03	2.14E-03	3.89E-03	1.64E-03	2.60E-01
126	486783.18	3855993.15	0.05046	0.01033	0.02424	0.05059	0.02389	0.03196	0.02299	0.01033	2.42E-01	4.40E-04	5.81E-08	1.23E-03	5.15E-03	2.07E-03	3.75E-03	1.62E-03	2.53E-01
127	486533.18	3856043.15	0.06122	0.01136	0.02727	0.07731	0.02358	0.04285	0.03045	0.01136	2.94E-01	4.83E-04	6.54E-08	1.87E-03	5.09E-03	2.77E-03	4.97E-03	1.78E-03	3.07E-01
128	486583.18	3856043.15	0.059	0.01121	0.02654	0.07157	0.02406	0.04067	0.02898	0.01121	2.83E-01	4.77E-04	6.37E-08	1.73E-03	5.19E-03	2.63E-03	4.73E-03	1.76E-03	2.96E-01
129	486633.18	3856043.15	0.05708	0.01102	0.02576	0.06627	0.02449	0.03857	0.02753	0.01102	2.74E-01	4.69E-04	6.18E-08	1.61E-03	5.28E-03	2.50E-03	4.49E-03	1.73E-03	2.87E-01
130	486683.18	3856043.15	0.0552	0.0109	0.02514	0.06217	0.02503	0.03692	0.02638	0.0109	2.65E-01	4.64E-04	6.03E-08	1.51E-03	5.40E-03	2.39E-03	4.31E-03	1.71E-03	2.77E-01
131	486733.18	3856043.15	0.05357	0.01073	0.02442	0.05817	0.02549	0.03527	0.02522	0.01073	2.57E-01	4.57E-04	5.86E-08	1.41E-03	5.50E-03	2.28E-03	4.12E-03	1.68E-03	2.69E-01
132	486783.18	3856043.15	0.05195	0.01063	0.02384	0.05504	0.02603	0.03399	0.02431	0.01063	2.49E-01	4.52E-04	5.72E-08	1.33E-03	5.61E-03	2.20E-03	3.97E-03	1.67E-03	2.61E-01
133	486533.18	3856093.15	0.06373	0.01173	0.02649	0.08893	0.02551	0.04711	0.03296	0.01173	3.06E-01	4.99E-04	6.35E-08	2.15E-03	5.50E-03	3.05E-03	5.38E-03	1.84E-03	3.21E-01
134	486583.18	3856093.15	0.06133	0.01154	0.02573	0.081	0.02606	0.04427	0.03113	0.01154	2.94E-01	4.91E-04	6.17E-08	1.96E-03	5.62E-03	2.86E-03	5.08E-03	1.81E-03	3.09E-01
135	486633.18	3856093.15	0.05917	0.01136	0.02502	0.07436	0.02659	0.0418	0.02949	0.01136	2.84E-01	4.83E-04	6.00E-08	1.80E-03	5.73E-03	2.70E-03	4.81E-03	1.78E-03	2.98E-01
136	486683.18	3856093.15	0.05714	0.01121	0.02441	0.06896	0.02719	0.03976	0.02812	0.01121	2.74E-01	4.77E-04	5.85E-08	1.67E-03	5.86E-03	2.57E-03	4.59E-03	1.76E-03	2.88E-01
137	486733.18	3856093.15	0.05533	0.01104	0.02376	0.06415	0.02777	0.03784	0.02683	0.01104	2.66E-01	4.70E-04	5.70E-08	1.55E-03	5.99E-03	2.45E-03	4.38E-03	1.73E-03	2.79E-01
138	486783.18	3856093.15	0.0536	0.01092	0.02318	0.06012	0.02839	0.03626	0.02573	0.01092	2.57E-01	4.65E-04	5.56E-08	1.46E-03	6.12E-03	2.35E-03	4.20E-03	1.71E-03	2.70E-01
139	486533.18	3856143.15	0.06662	0.01209	0.0254	0.10407	0.02759	0.05235	0.03584	0.01209	3.20E-01	5.14E-04	6.09E-08	2.52E-03	5.95E-03	3.39E-03	5.85E-03	1.89E-03	3.36E-01
140	486583.18	3856143.15	0.06397	0.01187	0.02466	0.09293	0.02824	0.04862	0.03359	0.01187	3.07E-01	5.05E-04	5.91E-08	2.25E-03	6.09E-03	3.15E-03	5.48E-03	1.86E-03	3.23E-01
141	486633.18	3856143.15	0.06149	0.0117	0.02406	0.08432	0.02892	0.04567	0.03178	0.0117	2.95E-01	4.98E-04	5.77E-08	2.04E-03	6.24E-03	2.95E-03	5.19E-03	1.83E-03	3.10E-01
142	486683.18	3856143.15	0.05927	0.01152	0.02348	0.0771	0.0296	0.04307	0.03013	0.01152	2.84E-01	4.90E-04	5.63E-08	1.87E-03	6.38E-03	2.79E-03	4.92E-03	1.80E-03	2.99E-01
143	486733.18	3856143.15	0.05725	0.01136	0.02291	0.07105	0.03031	0.0408	0.02866	0.01136	2.75E-01	4.83E-04	5.49E-08	1.72E-03	6.54E-03	2.64E-03	4.68E-03	1.78E-03	2.89E-01
144	486783.18	3856143.15	0.0553	0.01125	0.02244	0.06614	0.03112	0.03896	0.0275	0.01125	2.65E-01	4.79E-04	5.38E-08	1.60E-03	6.71E-03	2.52E-03	4.49E-03	1.76E-03	2.79E-01
145	486533.18	3856193.15	0.06985	0.01249	0.02421	0.12499	0.02994	0.05916	0.03954	0.01249	3.35E-01	5.31E-04	5.81E-08	3.03E-03	6.46E-03	3.83E-03	6.45E-03	1.96E-03	3.54E-01
146	486583.18	3856193.15	0.06688	0.01224	0.0235	0.10873	0.03071	0.05408	0.03669	0.01224	3.21E-01	5.21E-04	5.64E-08	2.63E-03	6.62E-03	3.50E-03	5.99E-03	1.92E-03	3.38E-01
147	486633.18	3856193.15	0.06409	0.01205	0.02297	0.09676	0.03153	0.05023	0.03448	0.01205	3.08E-01	5.13E-04	5.51E-08	2.34E-03	6.80E-03	3.25E-03	5.63E-03	1.89E-03	3.24E-01
148	486683.18	3856193.15	0.06152	0.0119	0.02252	0.08741	0.0324	0.04712	0.03265	0.0119	2.95E-01	5.06E-04	5.40E-08	2.12E-03	6.99E-03	3.05E-03	5.33E-03	1.86E-03	3.11E-01
149	486733.18	3856193.15	0.05932	0.01171	0.02199	0.07946	0.0332	0.04424	0.03086	0.01171	2.85E-01	4.98E-04	5.27E-08	1.93E-03	7.16E-03	2.86E-03	5.04E-03	1.83E-03	3.00E-01
150	486783.18	3856193.15	0.05718	0.01159	0.02157	0.07317	0.03416	0.04194	0.02941	0.01159	2.74E-01	4.93E-04	5.17E-08	1.77E-03	7.37E-03	2.71E-03	4.80E-03	1.82E-03	2.90E-01
151	486533.18	3856243.15	0.07365	0.01289	0.02289	0.15461	0.03254	0.06761	0.04393	0.01289	3.53E-01	5.48E-04	5.49E-08	3.75E-03	7.02E-03	4.37E-03	7.17E-03	2.02E-03	3.74E-01
152	486583.18	3856243.15	0.07011	0.01266	0.02233	0.13057	0.03351	0.06106	0.04055	0.01266	3.36E-01	5.39E-04	5.36E-08	3.16E-03	7.23E-03	3.95E-03	6.62E-03	1.98E-03	3.56E-01
153	486633.18	3856243.15	0.06698	0.01244	0.02183	0.11317	0.0345	0.05586	0.03772	0.01244	3.21E-01	5.29E-04	5.24E-08	2.74E-03	7.44E-03	3.61E-03	6.16E-03	1.95E-03	3.40E-01
154	486683.18	3856243.15	0.06415	0.01226	0.02141	0.10009	0.03549	0.0517	0.03534	0.01226	3.08E-01	5.22E-04	5.13E-08	2.42E-03	7.65E-03	3.35E-03	5.77E-03	1.92E-03	3.26E-01
155	486733.18	3856243.15	0.06158	0.0121	0.02104	0.08988	0.03653	0.04828	0.03331	0.0121	2.96E-01	5.15E-04	5.05E-08	2.18E-03	7.88E-03	3.12E-03	5.44E-03	1.90E-03	3.13E-01
156	486783.18	3856243.15	0.0593	0.01192	0.02061	0.08155	0.03757	0.04531	0.03147	0.01192	2.85E-01	5.07E-04	4.94E-08	1.98E-03	8.10E-03	2.93E-03	5.14E-03	1.87E-03	3.01E-01
157	486533.18	3856293.15	0.07808	0.01333	0.0216	0.20077	0.03547	0.07892	0.04931	0.01333	3.75E-01	5.67E-04	5.18E-08	4.86E-03	7.65E-03	5.11E-03	8.05E-03	2.09E-03	3.99E-01
158	486583.18	3856293.15	0.07392	0.01307	0.0211	0.16163	0.03661	0.06977	0.04496	0.01307	3.55E-01	5.56E-04	5.06E-08	3.92E-03	7.90E-03	4.51E-03	7.34E-03	2.05E-03	3.77E-01
159	486633.18	3856293.15	0.07027	0.01285	0.02068	0.13552	0.03782	0.06283	0.04144	0.01285	3.37E-01	5.47E-04	4.96E-08	3.28E-03	8.16E-03	4.07E-03	6.76E-03	2.01E-03	3.58E-01
160	486683.18	3856293.15	0.06707	0.01264	0.02032	0.11687	0.03904	0.05736	0.03851	0.01264	3.22E-01	5.38E-04	4.87E-08	2.83E-03	8.42E-03	3.71E-03	6.29E-03	1.98E-03	3.42E-01
161	486733.18	3856293.15	0.06414	0.01249	0.02003	0.10302	0.04032	0.05304	0.0361	0.01249	3.08E-01	5.31E-04	4.80E-08	2.50E-03	8.70E-03	3.43E-03	5.89E-03	1.96E-03	3.27E-01
162	486783.18	3856293.15	0.06161	0.0123	0.01967	0.09201	0.04155	0.04932	0.0339	0.0123	2.96E-01	5.23E-04	4.72E-08	2.23E-03	8.96E-03	3.19E-03	5.53E-03	1.93E-03	3.14E-01
163	486783.18	3856343.15	0.06411	0.01272	0.01882	0.10538	0.04622	0.05423	0.03675	0.01272	3.08E-01	5.41E-04	4.51E-08	2.55E-03	9.97E-03	3.51E-03	6.00E-03	1.99E-03	3.28E-01
164	486833.18	3856343.15	0.06153	0.01254	0.01852	0.09385	0.04781	0.05036	0.03447	0.01254	2.95E-01	5.34E-04	4.44E-08	2.27E-03	1.03E-02	3.26E-03	5.63E-03	1.96E-03	3.15E-01
165	486883.18	3856343.15	0.05919	0.01238	0.01821	0.08466	0.04944	0.04711	0.03248	0.01238	2.84E-01	5.27E-04	4.37E-08	2.05E-03	1.07E-02	3.05E-03	5.30E-03	1.94E-03	3.04E-01
166	486783.18	3856393.15	0.06709	0.01311	0.01799	0.12267	0.05146	0.06003	0.03986	0.01311	3.22E-01	5.58E-04	4.31E-08	2.97E-03	1.11E-02	3.88E-03	6.51E-03	2.05E-03	3.45E-01
167	486833.18	3856393.15	0.06415	0.01292	0.01775	0.10712	0.05346	0.05516	0.03715	0.01292	3.08E-01	5.50E-04	4.26E-08	2.60E-03	1.15E-02	3.57E-03	6.06E-03	2.02E-03	3.30E-01

168	486883.18	3856393.15	0.06159	0.01272	0.01745	0.09511	0.05541	0.0511	0.03476	0.01272	2.96E-01	5.41E-04	4.19E-08	2.30E-03	1.20E-02	3.31E-03	5.67E-03	1.99E-03	3.17E-01
169	487208.74	3856886.11	0.07215	0.01576	0.01146	0.18347	1.3874	0.08429	0.04669	0.01576	3.46E-01	6.71E-04	2.75E-08	4.44E-03	2.99E-01	5.45E-03	7.62E-03	2.47E-03	6.61E-01
170	487258.74	3856886.11	0.0682	0.01546	0.01125	0.14989	1.83938	0.07455	0.04282	0.01546	3.27E-01	6.58E-04	2.70E-08	3.63E-03	3.97E-01	4.82E-03	6.99E-03	2.42E-03	7.38E-01
171	487308.74	3856886.11	0.06482	0.01519	0.01102	0.12688	2.08792	0.06712	0.03958	0.01519	3.11E-01	6.46E-04	2.64E-08	3.07E-03	4.50E-01	4.34E-03	6.46E-03	2.38E-03	7.74E-01
172	487358.74	3856886.11	0.06189	0.01491	0.01082	0.11017	2.2471	0.06128	0.03684	0.01491	2.97E-01	6.34E-04	2.60E-08	2.67E-03	4.85E-01	3.96E-03	6.01E-03	2.34E-03	7.93E-01
173	487208.74	3856936.11	0.07717	0.01634	0.01134	0.24367	1.64936	0.10026	0.05171	0.01634	3.70E-01	6.95E-04	2.72E-08	5.90E-03	3.56E-01	6.49E-03	8.44E-03	2.56E-03	7.45E-01
174	487258.74	3856936.11	0.07228	0.01602	0.01109	0.18753	2.00744	0.08629	0.04695	0.01602	3.47E-01	6.82E-04	2.66E-08	4.54E-03	4.33E-01	5.58E-03	7.66E-03	2.51E-03	7.96E-01
175	487308.74	3856936.11	0.06823	0.01574	0.01084	0.15258	2.24421	0.0761	0.04302	0.01574	3.27E-01	6.70E-04	2.60E-08	3.70E-03	4.84E-01	4.92E-03	7.02E-03	2.47E-03	8.25E-01
176	487358.74	3856936.11	0.06481	0.01545	0.01062	0.12882	2.4162	0.0684	0.03975	0.01545	3.11E-01	6.57E-04	2.55E-08	3.12E-03	5.21E-01	4.43E-03	6.49E-03	2.42E-03	8.44E-01
177	487208.74	3856986.11	0.08387	0.01696	0.01133	0.36025	1.48046	0.12475	0.05804	0.01696	4.02E-01	7.22E-04	2.72E-08	8.73E-03	3.19E-01	8.07E-03	9.47E-03	2.66E-03	7.46E-01
178	487258.74	3856986.11	0.07742	0.01666	0.01107	0.25012	1.86547	0.10298	0.05201	0.01666	3.72E-01	7.09E-04	2.65E-08	6.06E-03	4.02E-01	6.66E-03	8.49E-03	2.61E-03	7.93E-01
179	487308.74	3856986.11	0.07243	0.01631	0.01076	0.19156	2.15315	0.08834	0.04721	0.01631	3.48E-01	6.94E-04	2.58E-08	4.64E-03	4.64E-01	5.72E-03	7.71E-03	2.55E-03	8.28E-01
180	487358.74	3856986.11	0.06827	0.01603	0.01053	0.15515	2.34602	0.07769	0.04324	0.01603	3.28E-01	6.82E-04	2.53E-08	3.76E-03	5.06E-01	5.03E-03	7.06E-03	2.51E-03	8.48E-01
181	487208.74	3857036.11	0.09361	0.01763	0.01142	0.64884	1.00383	0.16639	0.06629	0.01763	4.49E-01	7.50E-04	2.74E-08	1.57E-02	2.17E-01	1.08E-02	1.08E-02	2.76E-03	7.01E-01
182	487258.74	3857036.11	0.08446	0.01728	0.01111	0.37373	1.48207	0.12903	0.05845	0.01728	4.05E-01	7.35E-04	2.66E-08	9.05E-03	3.20E-01	8.35E-03	9.54E-03	2.71E-03	7.50E-01
183	487308.74	3857036.11	0.07776	0.01696	0.0108	0.25662	1.87418	0.10584	0.05232	0.01696	3.73E-01	7.22E-04	2.59E-08	6.22E-03	4.04E-01	6.85E-03	8.54E-03	2.66E-03	7.97E-01
184	487358.74	3857036.11	0.07258	0.01664	0.01053	0.1951	2.15116	0.09038	0.04743	0.01664	3.48E-01	7.08E-04	2.53E-08	4.73E-03	4.64E-01	5.85E-03	7.74E-03	2.61E-03	8.29E-01
185	487427.14	3856878.23	0.05799	0.01454	0.01077	0.09184	2.23315	0.05428	0.03333	0.01454	2.78E-01	6.19E-04	2.58E-08	2.22E-03	4.82E-01	3.51E-03	5.44E-03	2.28E-03	7.69E-01
186	487477.14	3856878.23	0.05575	0.01432	0.01077	0.08303	2.21594	0.05075	0.03141	0.01432	2.68E-01	6.09E-04	2.58E-08	2.01E-03	4.78E-01	3.28E-03	5.13E-03	2.24E-03	7.54E-01
187	487527.14	3856878.23	0.05375	0.0141	0.01077	0.07585	2.06931	0.04775	0.02973	0.0141	2.58E-01	6.00E-04	2.58E-08	1.84E-03	4.46E-01	3.09E-03	4.85E-03	2.21E-03	7.12E-01
188	487427.14	3856928.23	0.06037	0.01503	0.01054	0.10417	2.53705	0.05951	0.03564	0.01503	2.90E-01	6.40E-04	2.53E-08	2.52E-03	5.47E-01	3.85E-03	5.82E-03	2.35E-03	8.47E-01
189	487477.14	3856928.23	0.05791	0.01477	0.01053	0.09286	2.58738	0.05515	0.03344	0.01477	2.78E-01	6.28E-04	2.53E-08	2.25E-03	5.58E-01	3.57E-03	5.46E-03	2.31E-03	8.46E-01
190	487527.14	3856928.23	0.05567	0.01454	0.01053	0.08384	2.54879	0.05152	0.03151	0.01454	2.67E-01	6.19E-04	2.53E-08	2.03E-03	5.50E-01	3.33E-03	5.14E-03	2.28E-03	8.26E-01
191	487577.14	3856928.23	0.05364	0.01432	0.0105	0.07651	2.53337	0.04845	0.02981	0.01432	2.57E-01	6.09E-04	2.52E-08	1.85E-03	5.46E-01	3.13E-03	4.87E-03	2.24E-03	8.12E-01
192	487627.14	3856928.23	0.05182	0.01409	0.01042	0.07046	2.38697	0.04582	0.0283	0.01409	2.49E-01	6.00E-04	2.50E-08	1.71E-03	5.15E-01	2.96E-03	4.62E-03	2.21E-03	7.71E-01
193	487677.14	3856928.23	0.0501	0.0139	0.01033	0.06535	2.3014	0.04357	0.02694	0.0139	2.40E-01	5.91E-04	2.48E-08	1.58E-03	4.96E-01	2.82E-03	4.40E-03	2.18E-03	7.44E-01
194	487727.14	3856928.23	0.04851	0.01373	0.01025	0.06099	2.27869	0.0416	0.02572	0.01373	2.33E-01	5.84E-04	2.46E-08	1.48E-03	4.91E-01	2.69E-03	4.20E-03	2.15E-03	7.31E-01
195	487777.14	3856928.23	0.04706	0.01354	0.01019	0.05726	2.29101	0.03984	0.02462	0.01354	2.26E-01	5.76E-04	2.44E-08	1.39E-03	4.94E-01	2.58E-03	4.02E-03	2.12E-03	7.26E-01
196	487427.14	3856978.23	0.06317	0.01554	0.0104	0.12046	2.55813	0.06606	0.03838	0.01554	3.03E-01	6.61E-04	2.49E-08	2.92E-03	5.52E-01	4.27E-03	6.26E-03	2.43E-03	8.67E-01
197	487477.14	3856978.23	0.06033	0.01528	0.01039	0.10537	2.6485	0.06055	0.03579	0.01528	2.90E-01	6.50E-04	2.49E-08	2.55E-03	5.71E-01	3.92E-03	5.84E-03	2.39E-03	8.71E-01
198	487527.14	3856978.23	0.05782	0.01504	0.01038	0.09377	2.7176	0.05606	0.03355	0.01504	2.77E-01	6.40E-04	2.49E-08	2.27E-03	5.86E-01	3.63E-03	5.48E-03	2.36E-03	8.73E-01
199	487577.14	3856978.23	0.05558	0.0148	0.01033	0.08459	2.78106	0.05235	0.0316	0.0148	2.67E-01	6.30E-04	2.48E-08	2.05E-03	6.00E-01	3.39E-03	5.16E-03	2.32E-03	8.75E-01
200	487627.14	3856978.23	0.05357	0.01454	0.01023	0.07716	2.82879	0.04921	0.02989	0.01454	2.57E-01	6.19E-04	2.45E-08	1.87E-03	6.10E-01	3.18E-03	4.88E-03	2.28E-03	8.75E-01
201	487677.14	3856978.23	0.0517	0.01434	0.01013	0.07099	2.83288	0.04655	0.02836	0.01434	2.48E-01	6.10E-04	2.43E-08	1.72E-03	6.11E-01	3.01E-03	4.63E-03	2.25E-03	8.67E-01
202	487727.14	3856978.23	0.05007	0.01406	0.01002	0.06585	2.85523	0.0442	0.02702	0.01406	2.40E-01	5.98E-04	2.40E-08	1.60E-03	6.16E-01	2.86E-03	4.41E-03	2.20E-03	8.63E-01
203	487777.14	3856978.23	0.04838	0.01396	0.01003	0.06141	2.76913	0.04223	0.02576	0.01396	2.32E-01	5.94E-04	2.41E-08	1.49E-03	5.97E-01	2.73E-03	4.20E-03	2.19E-03	8.36E-01
204	487427.14	3857028.23	0.06641	0.01612	0.01038	0.14284	2.44246	0.07446	0.04156	0.01612	3.19E-01	6.86E-04	2.49E-08	3.46E-03	5.27E-01	4.82E-03	6.78E-03	2.53E-03	8.59E-01
205	487477.14	3857028.23	0.06314	0.01584	0.01036	0.12187	2.57685	0.06729	0.0385	0.01584	3.03E-01	6.74E-04	2.48E-08	2.95E-03	5.56E-01	4.35E-03	6.28E-03	2.48E-03	8.71E-01
206	487527.14	3857028.23	0.06031	0.01555	0.01032	0.10648	2.68694	0.06163	0.0359	0.01555	2.89E-01	6.62E-04	2.48E-08	2.58E-03	5.80E-01	3.99E-03	5.86E-03	2.44E-03	8.80E-01
207	487577.14	3857028.23	0.05778	0.0153	0.01025	0.09466	2.77	0.05704	0.03364	0.0153	2.77E-01	6.51E-04	2.46E-08	2.29E-03	5.97E-01	3.69E-03	5.49E-03	2.40E-03	8.84E-01
208	487627.14	3857028.23	0.05556	0.01501	0.01012	0.08537	2.84685	0.05323	0.03169	0.01501	2.67E-01	6.39E-04	2.43E-08	2.07E-03	6.14E-01	3.44E-03	5.17E-03	2.35E-03	8.90E-01
209	487677.14	3857028.23	0.0535	0.01479	0.01	0.07778	2.88386	0.05003	0.02996	0.01479	2.57E-01	6.29E-04	2.40E-08	1.88E-03	6.22E-01	3.24E-03	4.89E-03	2.32E-03	8.87E-01
210	487727.14	3857028.23	0.05159	0.0146	0.00994	0.07151	2.88861	0.04734	0.02842	0.0146	2.48E-01	6.21E-04	2.38E-08	1.73E-03	6.23E-01	3.06E-03	4.64E-03	2.29E-03	8.78E-01
211	487777.14	3857028.23	0.04987	0.01439	0.00994	0.06628	2.87235	0.04498	0.02704	0.01439	2.39E-01	6.12E-04	2.38E-08	1.61E-03	6.19E-01	2.91E-03	4.41E-03	2.25E-03	8.66E-01
212	487427.14	3857078.23	0.0704	0.01674	0.01045	0.17549	2.24738	0.08574	0.04539	0.01674	3.38E-01	7.12E-04	2.51E-08	4.25E-03	4.85E-01	5.55E-03	7.41E-03	2.62E-03	8.38E-01
213	487477.14	3857078.23	0.06651	0.01641	0.01042	0.14471	2.43205	0.07605	0.04172	0.01641	3.19E-01	6.98E-04	2.50E-08	3.51E-03	5.25E-01	4.92E-03	6.81E-03	2.57E-03	8.57E-01
214	487527.14	3857078.23	0.06319	0.01612	0.01037	0.12323	2.5711	0.06863	0.03863	0.01612	3.03E-01	6.86E-04	2.49E-08	2.99E-03	5.55E-01	4.44E-03	6.31E-03	2.53E-03	8.70E-01
215	487577.14	3857078.23	0.06031	0.01583	0.01025	0.10752	2.68236	0.0628	0.03601	0.01583	2.89E-01	6.74E-04	2.46E-08	2.60E-03	5.79E-01	4.06E-03	5.88E-03	2.48E-03	8.79E-01
216	487627.14	3857078.23	0.05779	0.01554	0.0101	0.09555	2.77346	0.05809	0.03375	0.01554	2.77E-01	6.61E-04	2.42E-08	2.31E-03	5.98E-01	3.76E-03	5.51E-03	2.43E-03	8.85E-01
217	487677.14	3857078.23	0.0555	0.0153	0.00998	0.08605	2.83374	0.0542	0.03177	0.0153	2.66E-01	6.51E-04	2.39E-08	2.08E-03	6.11E-01	3.51E-03	5.19E-03	2.40E-03	8.87E-01
218	487727.14	3857078.23	0.05342	0.01507	0.00993	0.07836	2.86764	0.05094	0.03003	0.01507	2.56E-01	6.41E-04	2.38E-08	1.90E-03	6.18E-01	3.30E-03	4.90E-03	2.36E-03	8.83E-01
219	487777.14	3857078.23	0.05156	0.01483	0.00996	0.07206	2.88573	0.04814	0.02848	0.01483	2.47E-01	6.31E-04	2.39E-08	1.75E-03	6.22E-01	3.11E-03	4.65E-03	2.32E-03	8.78E-01
220	487427.14	3857128.23	0.07547	0.01741	0.01062	0.22695	1.96826	0.10171	0.05007	0.01741	3.62E-01	7.41E-04	2.55E-08	5.50E-03	4.25E-01	6.58E-03	8.17E-03	2.73E-03	8.05E-01
221	487477.14	3857128.23	0.07064	0.01704	0.01058	0.17812	2.21895	0.08791	0.04561	0.01704	3.39E-01	7.25E-04	2.54E-08	4.32E-03	4.79E-01	5.69E-03	7.44E-03	2.67E-03	8.33E-01
222	487527.14	3857128.23	0.06668	0.0167	0.01049	0.14664	2.40884	0.07782	0.04192	0.0167	3.20E-01	7.11E-04	2.52E-08	3.55E-03	5.20E-01	5.04E-03	6.84E-03	2.62E-03	8.53E-01
223	487577.14	3857128.23	0.0633	0.0164	0.01035	0.12469	2.55055	0.07012	0.0388	0.0164	3.04E-01	6.98E-04	2.48E-08	3.02E-03	5.50E-01	4.54E-03	6.33E-03	2.57E-03	8.66E-01
224	487627.14	3857128.23	0.06036	0.01611	0.01018	0.10863	2.65955	0.06409	0.03614	0.01611	2.90E-01	6.85E-04	2.44E-08	2.63E-03	5.74E-01	4.15E-03	5.90E-03	2.52E-03	8.74E-01

225	487677.14	3857128.23	0.05781	0.01582	0.01005	0.09647	2.75089	0.05923	0.03387	0.01582	2.77E-01	6.73E-04	2.41E-08	2.34E-03	5.93E-01	3.83E-03	5.53E-03	2.48E-03	8.81E-01
226	487727.14	3857128.23	0.05547	0.01559	0.01004	0.08677	2.80019	0.05524	0.03185	0.01559	2.66E-01	6.63E-04	2.41E-08	2.10E-03	6.04E-01	3.57E-03	5.20E-03	2.44E-03	8.79E-01
227	487777.14	3857128.23	0.05341	0.01533	0.0101	0.07905	2.84112	0.0519	0.03011	0.01533	2.56E-01	6.52E-04	2.42E-08	1.92E-03	6.13E-01	3.36E-03	4.91E-03	2.40E-03	8.78E-01
228	488049.44	3856539.39	0.03553	0.01062	0.0113	0.03196	0.14282	0.02473	0.01612	0.01062	1.71E-01	4.52E-04	2.71E-08	7.74E-04	3.08E-02	1.60E-03	2.63E-03	1.66E-03	2.05E-01
229	488099.44	3856539.39	0.03491	0.0105	0.0112	0.03111	0.14508	0.02421	0.01576	0.0105	1.68E-01	4.47E-04	2.69E-08	7.54E-04	3.13E-02	1.57E-03	2.57E-03	1.64E-03	2.03E-01
230	488149.44	3856539.39	0.03428	0.0104	0.01112	0.03033	0.14751	0.02376	0.01541	0.0104	1.65E-01	4.43E-04	2.67E-08	7.35E-04	3.18E-02	1.54E-03	2.52E-03	1.63E-03	2.00E-01
231	488049.44	3856589.39	0.03605	0.01085	0.01118	0.03304	0.18717	0.02551	0.01651	0.01085	1.73E-01	4.62E-04	2.68E-08	8.00E-04	4.04E-02	1.65E-03	2.69E-03	1.70E-03	2.17E-01
232	488099.44	3856589.39	0.0354	0.01073	0.0111	0.03212	0.18929	0.02497	0.01612	0.01073	1.70E-01	4.57E-04	2.66E-08	7.78E-04	4.08E-02	1.62E-03	2.63E-03	1.68E-03	2.15E-01
233	488149.44	3856589.39	0.03476	0.01062	0.01101	0.03127	0.19061	0.02448	0.01576	0.01062	1.67E-01	4.52E-04	2.64E-08	7.58E-04	4.11E-02	1.58E-03	2.57E-03	1.66E-03	2.12E-01
234	488199.44	3856589.39	0.03417	0.0105	0.0109	0.03048	0.19126	0.02402	0.01541	0.0105	1.64E-01	4.47E-04	2.61E-08	7.38E-04	4.12E-02	1.55E-03	2.52E-03	1.64E-03	2.09E-01
235	488249.44	3856589.39	0.03351	0.01045	0.01081	0.02975	0.19119	0.02365	0.01509	0.01045	1.61E-01	4.45E-04	2.59E-08	7.21E-04	4.12E-02	1.53E-03	2.46E-03	1.64E-03	2.06E-01
236	488049.44	3856639.39	0.03662	0.01108	0.01108	0.03422	0.25597	0.02635	0.01693	0.01108	1.76E-01	4.71E-04	2.66E-08	8.29E-04	5.52E-02	1.70E-03	2.76E-03	1.74E-03	2.35E-01
237	488099.44	3856639.39	0.03593	0.01096	0.01102	0.03322	0.2553	0.02577	0.01652	0.01096	1.72E-01	4.66E-04	2.64E-08	8.05E-04	5.51E-02	1.67E-03	2.70E-03	1.72E-03	2.31E-01
238	488149.44	3856639.39	0.03527	0.01084	0.01094	0.0323	0.25297	0.02524	0.01613	0.01084	1.69E-01	4.61E-04	2.62E-08	7.83E-04	5.46E-02	1.63E-03	2.63E-03	1.70E-03	2.28E-01
239	488199.44	3856639.39	0.03461	0.01075	0.01085	0.03144	0.24947	0.02478	0.01577	0.01075	1.66E-01	4.57E-04	2.60E-08	7.62E-04	5.38E-02	1.60E-03	2.57E-03	1.68E-03	2.24E-01
240	488249.44	3856639.39	0.03399	0.01065	0.01074	0.03065	0.24545	0.02434	0.01542	0.01065	1.63E-01	4.53E-04	2.58E-08	7.43E-04	5.29E-02	1.57E-03	2.52E-03	1.67E-03	2.20E-01
241	488299.44	3856639.39	0.03338	0.01056	0.01064	0.0299	0.24104	0.02392	0.01509	0.01056	1.60E-01	4.49E-04	2.55E-08	7.24E-04	5.20E-02	1.55E-03	2.46E-03	1.65E-03	2.16E-01
242	488349.44	3856639.39	0.03283	0.01045	0.01057	0.02921	0.23648	0.02351	0.01478	0.01045	1.58E-01	4.45E-04	2.54E-08	7.08E-04	5.10E-02	1.52E-03	2.41E-03	1.64E-03	2.12E-01
243	488399.44	3856639.39	0.03224	0.01038	0.0106	0.02857	0.23133	0.02316	0.01449	0.01038	1.55E-01	4.42E-04	2.54E-08	6.92E-04	4.99E-02	1.50E-03	2.37E-03	1.63E-03	2.08E-01
244	488099.44	3856689.39	0.03647	0.01121	0.01096	0.03441	0.35817	0.02664	0.01694	0.01121	1.75E-01	4.77E-04	2.63E-08	8.34E-04	7.72E-02	1.72E-03	2.77E-03	1.76E-03	2.56E-01
245	488149.44	3856689.39	0.03579	0.01108	0.01089	0.03341	0.34349	0.02608	0.01653	0.01108	1.72E-01	4.71E-04	2.61E-08	8.09E-04	7.41E-02	1.69E-03	2.70E-03	1.74E-03	2.50E-01
246	488199.44	3856689.39	0.03511	0.01098	0.01081	0.03248	0.32921	0.02558	0.01614	0.01098	1.68E-01	4.67E-04	2.59E-08	7.87E-04	7.10E-02	1.66E-03	2.63E-03	1.72E-03	2.43E-01
247	488249.44	3856689.39	0.03448	0.01086	0.01072	0.03162	0.31648	0.02509	0.01577	0.01086	1.65E-01	4.62E-04	2.57E-08	7.66E-04	6.83E-02	1.62E-03	2.57E-03	1.70E-03	2.37E-01
248	488299.44	3856689.39	0.03383	0.01079	0.01067	0.03082	0.3042	0.02466	0.01543	0.01079	1.62E-01	4.59E-04	2.56E-08	7.47E-04	6.56E-02	1.60E-03	2.52E-03	1.69E-03	2.32E-01
249	488349.44	3856689.39	0.03325	0.01068	0.01066	0.03007	0.29332	0.02422	0.0151	0.01068	1.60E-01	4.54E-04	2.56E-08	7.29E-04	6.33E-02	1.57E-03	2.46E-03	1.67E-03	2.26E-01
250	488399.44	3856689.39	0.03273	0.01054	0.01071	0.02937	0.28344	0.02379	0.01478	0.01054	1.57E-01	4.48E-04	2.57E-08	7.12E-04	6.11E-02	1.54E-03	2.41E-03	1.65E-03	2.22E-01
251	488099.44	3856739.39	0.03704	0.01148	0.0109	0.0357	0.50386	0.0276	0.01739	0.01148	1.78E-01	4.88E-04	2.61E-08	8.65E-04	1.09E-01	1.79E-03	2.84E-03	1.80E-03	2.91E-01
252	488149.44	3856739.39	0.03635	0.01133	0.01084	0.03461	0.46182	0.02698	0.01695	0.01133	1.74E-01	4.82E-04	2.60E-08	8.38E-04	9.96E-02	1.75E-03	2.77E-03	1.77E-03	2.78E-01
253	488199.44	3856739.39	0.03561	0.01124	0.0108	0.0336	0.42729	0.02645	0.01654	0.01124	1.71E-01	4.78E-04	2.59E-08	8.14E-04	9.22E-02	1.71E-03	2.70E-03	1.76E-03	2.67E-01
254	488249.44	3856739.39	0.03496	0.01111	0.01075	0.03267	0.40043	0.02592	0.01615	0.01111	1.68E-01	4.73E-04	2.58E-08	7.91E-04	8.64E-02	1.68E-03	2.64E-03	1.74E-03	2.58E-01
255	488299.44	3856739.39	0.03438	0.01096	0.01073	0.0318	0.37853	0.02538	0.01578	0.01096	1.65E-01	4.66E-04	2.57E-08	7.70E-04	8.16E-02	1.64E-03	2.58E-03	1.72E-03	2.50E-01
256	488349.44	3856739.39	0.03371	0.0109	0.01084	0.031	0.35774	0.02498	0.01543	0.0109	1.62E-01	4.64E-04	2.60E-08	7.51E-04	7.72E-02	1.62E-03	2.52E-03	1.71E-03	2.43E-01
257	488399.44	3856739.39	0.03307	0.01084	0.01101	0.03025	0.33944	0.0246	0.0151	0.01084	1.59E-01	4.61E-04	2.64E-08	7.33E-04	7.32E-02	1.59E-03	2.46E-03	1.70E-03	2.35E-01
258	487999.44	3856789.39	0.0394	0.01196	0.01079	0.03988	0.95073	0.03011	0.01894	0.01196	1.89E-01	5.09E-04	2.59E-08	9.66E-04	2.05E-01	1.95E-03	3.09E-03	1.87E-03	3.99E-01
259	488049.44	3856789.39	0.03854	0.01183	0.0108	0.03843	0.77529	0.02931	0.01839	0.01183	1.85E-01	5.03E-04	2.59E-08	9.31E-04	1.67E-01	1.90E-03	3.00E-03	1.85E-03	3.57E-01
260	488099.44	3856789.39	0.03769	0.01174	0.01081	0.03712	0.6634	0.02861	0.01788	0.01174	1.81E-01	5.00E-04	2.59E-08	8.99E-04	1.43E-01	1.85E-03	2.92E-03	1.84E-03	3.28E-01
261	488149.44	3856789.39	0.03693	0.0116	0.01078	0.03592	0.58882	0.02795	0.01741	0.0116	1.77E-01	4.94E-04	2.59E-08	8.70E-04	1.27E-01	1.81E-03	2.84E-03	1.82E-03	3.08E-01
262	488199.44	3856789.39	0.03619	0.01149	0.01078	0.03482	0.53281	0.02735	0.01697	0.01149	1.74E-01	4.89E-04	2.59E-08	8.44E-04	1.15E-01	1.77E-03	2.77E-03	1.80E-03	2.93E-01
263	488249.44	3856789.39	0.0355	0.01136	0.0108	0.03381	0.4901	0.02679	0.01655	0.01136	1.70E-01	4.83E-04	2.59E-08	8.19E-04	1.06E-01	1.73E-03	2.70E-03	1.78E-03	2.80E-01
264	488299.44	3856789.39	0.03487	0.01122	0.01089	0.03287	0.4562	0.02624	0.01616	0.01122	1.67E-01	4.77E-04	2.61E-08	7.96E-04	9.84E-02	1.70E-03	2.64E-03	1.76E-03	2.70E-01
265	488349.44	3856789.39	0.03417	0.01116	0.0111	0.032	0.42545	0.02581	0.01578	0.01116	1.64E-01	4.75E-04	2.66E-08	7.75E-04	9.18E-02	1.67E-03	2.58E-03	1.75E-03	2.59E-01
266	488399.44	3856789.39	0.03353	0.01107	0.01131	0.03119	0.39961	0.02539	0.01543	0.01107	1.61E-01	4.71E-04	2.71E-08	7.56E-04	8.62E-02	1.64E-03	2.52E-03	1.73E-03	2.51E-01
267	487949.44	3856839.39	0.04114	0.01239	0.01061	0.04347	1.45554	0.0323	0.02019	0.01239	1.97E-01	5.27E-04	2.54E-08	1.05E-03	3.14E-01	2.09E-03	3.30E-03	1.94E-03	5.16E-01
268	487999.44	3856839.39	0.04017	0.01225	0.01065	0.04171	1.15047	0.03135	0.01955	0.01225	1.93E-01	5.21E-04	2.55E-08	1.01E-03	2.48E-01	2.03E-03	3.19E-03	1.92E-03	4.46E-01
269	488049.44	3856839.39	0.03927	0.01211	0.01068	0.04011	0.94618	0.03048	0.01896	0.01211	1.88E-01	5.15E-04	2.56E-08	9.72E-04	2.04E-01	1.97E-03	3.09E-03	1.90E-03	3.97E-01
270	488099.44	3856839.39	0.03839	0.01199	0.01069	0.03867	0.80769	0.0297	0.01842	0.01199	1.84E-01	5.10E-04	2.56E-08	9.37E-04	1.74E-01	1.92E-03	3.01E-03	1.88E-03	3.63E-01
271	488149.44	3856839.39	0.03757	0.01187	0.01072	0.03735	0.70914	0.029	0.01791	0.01187	1.80E-01	5.05E-04	2.57E-08	9.05E-04	1.53E-01	1.88E-03	2.92E-03	1.86E-03	3.38E-01
272	488199.44	3856839.39	0.03678	0.01176	0.01079	0.03614	0.63571	0.02835	0.01743	0.01176	1.77E-01	5.00E-04	2.59E-08	8.76E-04	1.37E-01	1.83E-03	2.85E-03	1.84E-03	3.18E-01
273	487949.44	3856889.39	0.04205	0.01268	0.01044	0.0457	1.66288	0.03374	0.02091	0.01268	2.02E-01	5.40E-04	2.50E-08	1.11E-03	3.59E-01	2.18E-03	3.41E-03	1.99E-03	5.66E-01
274	487999.44	3856889.39	0.04099	0.01257	0.01051	0.04373	1.32161	0.03272	0.02022	0.01257	1.97E-01	5.35E-04	2.52E-08	1.06E-03	2.85E-01	2.12E-03	3.30E-03	1.97E-03	4.87E-01
275	488049.44	3856889.39	0.04007	0.01239	0.01054	0.04197	1.09888	0.03174	0.01959	0.01239	1.92E-01	5.27E-04	2.53E-08	1.02E-03	2.37E-01	2.05E-03	3.20E-03	1.94E-03	4.34E-01
276	488099.44	3856889.39	0.03913	0.01228	0.01059	0.04037	0.93822	0.03091	0.01899	0.01228	1.88E-01	5.22E-04	2.54E-08	9.78E-04	2.02E-01	2.00E-03	3.10E-03	1.92E-03	3.95E-01
277	488635.86	3857895.05	0.05333	0.02125	0.05649	0.08222	0.10383	0.07855	0.02878	0.02125	2.56E-01	9.04E-04	1.35E-07	1.99E-03	2.24E-02	5.08E-03	4.70E-03	3.33E-03	2.88E-01
278	489137.64	3857804.15	0.04051	0.01598	0.03546	0.04799	0.11643	0.04612	0.01839	0.01598	1.94E-01	6.80E-04	8.50E-08	1.16E-03	2.51E-02	2.98E-03	3.00E-03	2.50E-03	2.25E-01
279	488617.32	3857859.41	0.05223	0.0207	0.05549	0.07918	0.12376	0.07633	0.0282	0.0207	2.51E-01	8.81E-04	1.33E-07	1.92E-03	2.67E-02	4.94E-03	4.60E-03	3.24E-03	2.86E-01
280	488667.32	3857859.41	0.05067	0.0202	0.05298	0.07404	0.12107	0.07187	0.02688	0.0202	2.43E-01	8.59E-04	1.27E-07	1.79E-03	2.61E-02	4.65E-03	4.39E-03	3.16E-03	2.78E-01
281	488717.32	3857859.41	0.04929	0.01973	0.05065	0.06974	0.11849	0.06799	0.02569	0.01973	2.37E-01	8.39E-04	1.21E-07	1.69E-03	2.56E-02	4.40E-03	4.19E-03	3.09E-03	2.70E-01

282	488767.32	3857859.41	0.04804	0.01933	0.0486	0.06611	0.11568	0.06469	0.02464	0.01933	2.31E-01	8.22E-04	1.17E-07	1.60E-03	2.49E-02	4.19E-03	4.02E-03	3.03E-03	2.63E-01
283	488617.32	3857909.41	0.05474	0.02175	0.05817	0.08695	0.09768	0.0822	0.0298	0.02175	2.63E-01	9.25E-04	1.40E-07	2.11E-03	2.11E-02	5.32E-03	4.86E-03	3.41E-03	2.94E-01
284	488667.32	3857909.41	0.05297	0.02128	0.0554	0.08054	0.0963	0.077	0.02839	0.02128	2.54E-01	9.05E-04	1.33E-07	1.95E-03	2.08E-02	4.98E-03	4.63E-03	3.33E-03	2.84E-01
285	488717.32	3857909.41	0.05157	0.0207	0.05258	0.07548	0.09548	0.07248	0.02699	0.0207	2.47E-01	8.81E-04	1.26E-07	1.83E-03	2.06E-02	4.69E-03	4.41E-03	3.24E-03	2.77E-01
286	488767.32	3857909.41	0.05029	0.02025	0.05021	0.07115	0.09417	0.06864	0.02583	0.02025	2.41E-01	8.62E-04	1.20E-07	1.72E-03	2.03E-02	4.44E-03	4.22E-03	3.17E-03	2.70E-01
287	488417.32	3857959.41	0.06968	0.02564	0.07577	0.1614	0.07782	0.13113	0.04109	0.02564	3.34E-01	1.09E-03	1.82E-07	3.91E-03	1.68E-02	8.48E-03	6.71E-03	4.02E-03	3.67E-01
288	488467.32	3857959.41	0.06576	0.02491	0.07101	0.13687	0.07864	0.11616	0.03819	0.02491	3.16E-01	1.06E-03	1.70E-07	3.32E-03	1.70E-02	7.52E-03	6.23E-03	3.90E-03	3.47E-01
289	488517.32	3857959.41	0.06254	0.02424	0.06674	0.11936	0.07888	0.10473	0.03575	0.02424	3.00E-01	1.03E-03	1.60E-07	2.89E-03	1.70E-02	6.78E-03	5.84E-03	3.80E-03	3.30E-01
290	488567.32	3857959.41	0.05986	0.02361	0.06291	0.10632	0.07872	0.0957	0.03359	0.02361	2.87E-01	1.00E-03	1.51E-07	2.58E-03	1.70E-02	6.19E-03	5.48E-03	3.70E-03	3.16E-01
291	488617.32	3857959.41	0.05764	0.02297	0.05937	0.09637	0.07845	0.08836	0.03167	0.02297	2.77E-01	9.77E-04	1.42E-07	2.33E-03	1.69E-02	5.72E-03	5.17E-03	3.60E-03	3.04E-01
292	488667.32	3857959.41	0.05578	0.02237	0.05616	0.08851	0.0781	0.08226	0.02999	0.02237	2.68E-01	9.52E-04	1.35E-07	2.14E-03	1.68E-02	5.32E-03	4.90E-03	3.50E-03	2.94E-01
293	488717.32	3857959.41	0.05423	0.02182	0.0533	0.08215	0.07761	0.07712	0.02853	0.02182	2.60E-01	9.28E-04	1.28E-07	1.99E-03	1.67E-02	4.99E-03	4.66E-03	3.42E-03	2.86E-01
294	488767.32	3857959.41	0.05302	0.02128	0.05066	0.07701	0.0772	0.07269	0.02719	0.02128	2.54E-01	9.05E-04	1.21E-07	1.87E-03	1.67E-02	4.70E-03	4.44E-03	3.33E-03	2.80E-01
295	488417.32	3858009.41	0.07582	0.02736	0.07577	0.20215	0.06349	0.14967	0.04485	0.02736	3.64E-01	1.16E-03	1.82E-07	4.90E-03	1.37E-02	9.68E-03	7.32E-03	4.29E-03	3.96E-01
296	488467.32	3858009.41	0.07077	0.02655	0.07078	0.1642	0.06432	0.12959	0.04145	0.02655	3.40E-01	1.13E-03	1.70E-07	3.98E-03	1.39E-02	8.38E-03	6.77E-03	4.16E-03	3.70E-01
297	488517.32	3858009.41	0.06682	0.02578	0.06632	0.13905	0.06469	0.11503	0.03854	0.02578	3.21E-01	1.10E-03	1.59E-07	3.37E-03	1.40E-02	7.44E-03	6.29E-03	4.04E-03	3.49E-01
298	488567.32	3858009.41	0.06366	0.02507	0.06235	0.12121	0.0647	0.10393	0.03606	0.02507	3.05E-01	1.07E-03	1.50E-07	2.94E-03	1.40E-02	6.72E-03	5.89E-03	3.93E-03	3.32E-01
299	488617.32	3858009.41	0.06115	0.02433	0.05866	0.1082	0.06469	0.09516	0.03382	0.02433	2.93E-01	1.04E-03	1.41E-07	2.62E-03	1.40E-02	6.16E-03	5.52E-03	3.81E-03	3.19E-01
300	488667.32	3858009.41	0.05915	0.02363	0.05535	0.09818	0.06458	0.088	0.03187	0.02363	2.84E-01	1.01E-03	1.33E-07	2.38E-03	1.39E-02	5.69E-03	5.20E-03	3.70E-03	3.08E-01
301	488717.32	3858009.41	0.05761	0.02301	0.05242	0.09026	0.06439	0.08204	0.0302	0.02301	2.76E-01	9.79E-04	1.26E-07	2.19E-03	1.39E-02	5.31E-03	4.93E-03	3.60E-03	3.00E-01
302	488767.32	3858009.41	0.05661	0.02242	0.04977	0.08395	0.06422	0.07699	0.02871	0.02242	2.72E-01	9.54E-04	1.19E-07	2.03E-03	1.39E-02	4.98E-03	4.69E-03	3.51E-03	2.95E-01
303	488417.32	3858059.41	0.08427	0.0294	0.07263	0.2698	0.05342	0.17765	0.04951	0.0294	4.04E-01	1.25E-03	1.74E-07	6.54E-03	1.15E-02	1.15E-02	8.08E-03	4.61E-03	4.39E-01
304	488467.32	3858059.41	0.07737	0.02845	0.06783	0.20542	0.05423	0.14812	0.04537	0.02845	3.71E-01	1.21E-03	1.63E-07	4.98E-03	1.17E-02	9.58E-03	7.41E-03	4.46E-03	4.02E-01
305	488517.32	3858059.41	0.07231	0.02755	0.06353	0.16687	0.05466	0.12834	0.04187	0.02755	3.47E-01	1.17E-03	1.52E-07	4.04E-03	1.18E-02	8.30E-03	6.83E-03	4.32E-03	3.75E-01
306	488567.32	3858059.41	0.06846	0.02672	0.05971	0.14133	0.05475	0.11405	0.03895	0.02672	3.29E-01	1.14E-03	1.43E-07	3.42E-03	1.18E-02	7.38E-03	6.36E-03	4.19E-03	3.54E-01
307	488617.32	3858059.41	0.06554	0.02593	0.05627	0.12338	0.05466	0.1032	0.0364	0.02593	3.15E-01	1.10E-03	1.35E-07	2.99E-03	1.18E-02	6.68E-03	5.94E-03	4.06E-03	3.39E-01
308	488667.32	3858059.41	0.06345	0.02513	0.0531	0.11025	0.05459	0.09461	0.03412	0.02513	3.04E-01	1.07E-03	1.27E-07	2.67E-03	1.18E-02	6.12E-03	5.57E-03	3.94E-03	3.28E-01
309	488417.32	3858109.41	0.09761	0.0316	0.06695	0.41094	0.04618	0.22876	0.05483	0.0316	4.68E-01	1.34E-03	1.61E-07	9.96E-03	9.96E-03	1.48E-02	8.95E-03	4.95E-03	5.08E-01
310	488467.32	3858109.41	0.08698	0.03055	0.06279	0.2777	0.0469	0.17797	0.0499	0.03055	4.17E-01	1.30E-03	1.51E-07	6.73E-03	1.01E-02	1.15E-02	8.15E-03	4.79E-03	4.50E-01
311	488517.32	3858109.41	0.07985	0.02957	0.05906	0.21015	0.04727	0.14777	0.04585	0.02957	3.83E-01	1.26E-03	1.42E-07	5.09E-03	1.02E-02	9.56E-03	7.48E-03	4.63E-03	4.12E-01
312	488567.32	3858109.41	0.0749	0.0286	0.05564	0.17042	0.0474	0.12786	0.04231	0.0286	3.59E-01	1.22E-03	1.33E-07	4.13E-03	1.02E-02	8.27E-03	6.91E-03	4.48E-03	3.86E-01
313	488617.32	3858109.41	0.0715	0.02771	0.05259	0.1443	0.0473	0.11358	0.03928	0.02771	3.43E-01	1.18E-03	1.26E-07	3.50E-03	1.02E-02	7.35E-03	6.41E-03	4.34E-03	3.67E-01
314	488667.32	3858109.41	0.06958	0.02677	0.04972	0.12619	0.04721	0.10278	0.03663	0.02677	3.34E-01	1.14E-03	1.19E-07	3.06E-03	1.02E-02	6.65E-03	5.98E-03	4.19E-03	3.57E-01
315	488769.93	3858449.27	0.08073	0.04258	0.02604	0.52271	0.02451	0.25708	0.05797	0.04258	3.87E-01	1.81E-03	6.25E-08	1.27E-02	5.29E-03	1.66E-02	9.46E-03	6.67E-03	4.27E-01
316	488819.93	3858449.27	0.07508	0.04027	0.02552	0.33564	0.02422	0.18898	0.05221	0.04027	3.60E-01	1.71E-03	6.12E-08	8.13E-03	5.22E-03	1.22E-02	8.52E-03	6.31E-03	3.90E-01
317	488819.93	3858499.27	0.08724	0.04477	0.0235	0.55518	0.02273	0.26651	0.05865	0.04477	4.19E-01	1.90E-03	5.64E-08	1.35E-02	4.90E-03	1.72E-02	9.57E-03	7.01E-03	4.59E-01
318	488869.93	3858499.27	0.07845	0.04219	0.02314	0.35233	0.02242	0.19332	0.05278	0.04219	3.76E-01	1.80E-03	5.55E-08	8.54E-03	4.84E-03	1.25E-02	8.62E-03	6.61E-03	4.06E-01
319	488869.93	3858549.27	0.0926	0.04716	0.02156	0.59016	0.02115	0.27645	0.05941	0.04716	4.44E-01	2.01E-03	5.17E-08	1.43E-02	4.56E-03	1.79E-02	9.70E-03	7.39E-03	4.85E-01
320	489438.17	3859571.48	0.04789	0.0233	0.05057	0.09459	0.00908	0.04125	0.02238	0.0233	2.30E-01	9.91E-04	1.21E-07	2.29E-03	1.96E-03	2.67E-03	3.65E-03	3.65E-03	2.38E-01
321	489488.17	3859571.48	0.04544	0.02549	0.06051	0.08392	0.00891	0.04133	0.02455	0.02549	2.18E-01	1.08E-03	1.45E-07	2.03E-03	1.92E-03	2.67E-03	4.01E-03	3.99E-03	2.26E-01
322	489538.17	3859571.48	0.04354	0.02818	0.07464	0.07722	0.0087	0.04163	0.0272	0.02818	2.09E-01	1.20E-03	1.79E-07	1.87E-03	1.88E-03	2.69E-03	4.44E-03	4.41E-03	2.17E-01
323	489588.17	3859571.48	0.04205	0.03146	0.09614	0.07309	0.00846	0.04216	0.03044	0.03146	2.02E-01	1.34E-03	2.31E-07	1.77E-03	1.82E-03	2.73E-03	4.97E-03	4.93E-03	2.09E-01
324	489438.17	3859621.48	0.04763	0.02012	0.0386	0.09214	0.00886	0.03972	0.01935	0.02012	2.29E-01	8.56E-04	9.26E-08	2.23E-03	1.91E-03	2.57E-03	3.16E-03	3.15E-03	2.36E-01
325	489488.17	3859621.48	0.04481	0.02169	0.04519	0.08116	0.00873	0.03958	0.0209	0.02169	2.15E-01	9.23E-04	1.08E-07	1.97E-03	1.88E-03	2.56E-03	3.41E-03	3.40E-03	2.22E-01
326	489538.17	3859621.48	0.04264	0.02356	0.05482	0.07405	0.00856	0.03962	0.02275	0.02356	2.05E-01	1.00E-03	1.31E-07	1.79E-03	1.85E-03	2.56E-03	3.71E-03	3.69E-03	2.12E-01
327	489588.17	3859621.48	0.04096	0.02585	0.06814	0.06938	0.00836	0.03986	0.02503	0.02585	1.97E-01	1.10E-03	1.63E-07	1.68E-03	1.80E-03	2.58E-03	4.09E-03	4.05E-03	2.04E-01
328	489238.17	3859671.48	0.07444	0.01426	0.02107	0.42564	0.00833	0.04112	0.01364	0.01426	3.57E-01	6.07E-04	5.05E-08	1.03E-02	1.80E-03	2.66E-03	2.23E-03	2.23E-03	3.73E-01
329	489288.17	3859671.48	0.06225	0.01497	0.02266	0.21171	0.00851	0.04024	0.01435	0.01497	2.99E-01	6.37E-04	5.43E-08	5.13E-03	1.84E-03	2.60E-03	2.34E-03	2.35E-03	3.09E-01
330	489338.17	3859671.48	0.05472	0.01579	0.02463	0.14079	0.00862	0.03949	0.01516	0.01579	2.63E-01	6.72E-04	5.91E-08	3.41E-03	1.86E-03	2.56E-03	2.47E-03	2.47E-03	2.71E-01
331	489388.17	3859671.48	0.04974	0.01674	0.02732	0.10805	0.00868	0.0389	0.01609	0.01674	2.39E-01	7.12E-04	6.55E-08	2.62E-03	1.87E-03	2.52E-03	2.63E-03	2.62E-03	2.46E-01
332	489438.17	3859671.48	0.04616	0.01776	0.03099	0.09006	0.00864	0.03845	0.0171	0.01776	2.22E-01	7.56E-04	7.43E-08	2.18E-03	1.86E-03	2.49E-03	2.79E-03	2.78E-03	2.29E-01
333	489488.17	3859671.48	0.0435	0.01899	0.03621	0.07872	0.00857	0.03813	0.01832	0.01899	2.09E-01	8.08E-04	8.68E-08	1.91E-03	1.85E-03	2.47E-03	2.99E-03	2.97E-03	2.16E-01
334	489538.17	3859671.48	0.04141	0.02038	0.04297	0.07134	0.00844	0.03799	0.01969	0.02038	1.99E-01	8.67E-04	1.03E-07	1.73E-03	1.82E-03	2.46E-03	3.21E-03	3.19E-03	2.06E-01
335	489588.17	3859671.48	0.03975	0.02201	0.05051	0.06635	0.00827	0.03801	0.02131	0.02201	1.91E-01	9.36E-04	1.21E-07	1.61E-03	1.78E-03	2.46E-03	3.48E-03	3.45E-03	1.98E-01
336	489238.17	3859721.48	0.06589	0.01312	0.01791	0.42356	0.00796	0.04026	0.01257	0.01312	3.16E-01	5.58E-04	4.30E-08	1.03E-02	1.72E-03	2.60E-03	2.05E-03	2.06E-03	3.31E-01
337	489288.17	3859721.48	0.05608	0.01374	0.01919	0.20909	0.00819	0.03933	0.01319	0.01374	2.69E-01	5.85E-04	4.60E-08	5.07E-03	1.77E-03	2.54E-03	2.15E-03	2.15E-03	2.79E-01
338	489338.17	3859721.48	0.05033	0.0144	0.02087	0.13869	0.00834	0.03855	0.01385	0.0144	2.42E-01	6.13E-04	5.01E-08	3.36E-03	1.80E-03	2.49E-03	2.26E-03	2.26E-03	2.50E-01

339	489388.17	3859721.48	0.04655	0.01514	0.02317	0.1063	0.00842	0.03789	0.01458	0.01514	2.23E-01	6.44E-04	5.56E-08	2.58E-03	1.82E-03	2.45E-03	2.38E-03	2.37E-03	2.31E-01
340	489438.17	3859721.48	0.04379	0.01595	0.02619	0.08821	0.00842	0.03737	0.01539	0.01595	2.10E-01	6.79E-04	6.28E-08	2.14E-03	1.82E-03	2.42E-03	2.51E-03	2.50E-03	2.17E-01
341	489488.17	3859721.48	0.04169	0.01691	0.03024	0.07665	0.0084	0.03696	0.01634	0.01691	2.00E-01	7.19E-04	7.25E-08	1.86E-03	1.81E-03	2.39E-03	2.67E-03	2.65E-03	2.07E-01
342	489538.17	3859721.48	0.03996	0.01798	0.03494	0.06905	0.00831	0.03668	0.01739	0.01798	1.92E-01	7.65E-04	8.38E-08	1.67E-03	1.79E-03	2.37E-03	2.84E-03	2.82E-03	1.98E-01
343	489588.17	3859721.48	0.03853	0.01919	0.03889	0.06383	0.00817	0.03652	0.0186	0.01919	1.85E-01	8.17E-04	9.33E-08	1.55E-03	1.76E-03	2.36E-03	3.04E-03	3.01E-03	1.91E-01
344	489238.17	3859771.48	0.05017	0.01217	0.01566	0.4204	0.00759	0.03942	0.01168	0.01217	2.41E-01	5.18E-04	3.76E-08	1.02E-02	1.64E-03	2.55E-03	1.91E-03	1.91E-03	2.56E-01
345	489288.17	3859771.48	0.04767	0.01269	0.01688	0.20683	0.00785	0.03848	0.01221	0.01269	2.29E-01	5.40E-04	4.05E-08	5.01E-03	1.69E-03	2.49E-03	1.99E-03	1.99E-03	2.39E-01
346	489338.17	3859771.48	0.04526	0.01323	0.0184	0.1373	0.00803	0.03768	0.01275	0.01323	2.17E-01	5.63E-04	4.41E-08	3.33E-03	1.73E-03	2.44E-03	2.08E-03	2.07E-03	2.25E-01
347	489388.17	3859771.48	0.04325	0.01383	0.02035	0.10477	0.00814	0.037	0.01335	0.01383	2.08E-01	5.88E-04	4.88E-08	2.54E-03	1.76E-03	2.39E-03	2.18E-03	2.17E-03	2.15E-01
348	489438.17	3859771.48	0.0415	0.01449	0.02278	0.08666	0.00818	0.03644	0.014	0.01449	1.99E-01	6.17E-04	5.46E-08	2.10E-03	1.76E-03	2.36E-03	2.29E-03	2.27E-03	2.06E-01
349	489488.17	3859771.48	0.04005	0.01527	0.02601	0.07485	0.00821	0.03596	0.01477	0.01527	1.92E-01	6.50E-04	6.24E-08	1.81E-03	1.77E-03	2.33E-03	2.41E-03	2.39E-03	1.99E-01
350	489538.17	3859771.48	0.03874	0.0161	0.02917	0.06702	0.00817	0.03556	0.01561	0.0161	1.86E-01	6.85E-04	7.00E-08	1.62E-03	1.76E-03	2.30E-03	2.55E-03	2.52E-03	1.92E-01
351	489588.17	3859771.48	0.03755	0.01703	0.0308	0.06174	0.00805	0.03532	0.01652	0.01703	1.80E-01	7.25E-04	7.39E-08	1.50E-03	1.74E-03	2.29E-03	2.70E-03	2.67E-03	1.86E-01
352	489238.17	3859821.48	0.04466	0.01136	0.01416	0.41845	0.00722	0.03864	0.01091	0.01136	2.14E-01	4.83E-04	3.40E-08	1.01E-02	1.56E-03	2.50E-03	1.78E-03	1.78E-03	2.29E-01
353	489288.17	3859821.48	0.04376	0.0118	0.0153	0.20527	0.00751	0.03767	0.01136	0.0118	2.10E-01	5.02E-04	3.67E-08	4.97E-03	1.62E-03	2.44E-03	1.85E-03	1.85E-03	2.20E-01
354	489338.17	3859821.48	0.04266	0.01225	0.0166	0.13581	0.00771	0.03686	0.01182	0.01225	2.05E-01	5.21E-04	3.98E-08	3.29E-03	1.66E-03	2.38E-03	1.93E-03	1.92E-03	2.13E-01
355	489388.17	3859821.48	0.0415	0.01276	0.01823	0.1034	0.00786	0.03617	0.01233	0.01276	1.99E-01	5.43E-04	4.37E-08	2.51E-03	1.70E-03	2.34E-03	2.01E-03	2.00E-03	2.06E-01
356	489438.17	3859821.48	0.04036	0.01332	0.02044	0.0848	0.00797	0.03557	0.0129	0.01332	1.94E-01	5.67E-04	4.90E-08	2.05E-03	1.72E-03	2.30E-03	2.11E-03	2.09E-03	2.00E-01
357	489488.17	3859821.48	0.03923	0.01394	0.02291	0.07312	0.00802	0.03504	0.01351	0.01394	1.88E-01	5.93E-04	5.49E-08	1.77E-03	1.73E-03	2.27E-03	2.21E-03	2.18E-03	1.95E-01
358	489538.17	3859821.48	0.03813	0.0146	0.02477	0.06523	0.00801	0.03459	0.01416	0.0146	1.83E-01	6.21E-04	5.94E-08	1.58E-03	1.73E-03	2.24E-03	2.31E-03	2.29E-03	1.89E-01
359	489588.17	3859821.48	0.03706	0.01532	0.02507	0.05984	0.00793	0.03426	0.01488	0.01532	1.78E-01	6.52E-04	6.01E-08	1.45E-03	1.71E-03	2.22E-03	2.43E-03	2.40E-03	1.84E-01
360	489238.17	3859871.48	0.04553	0.01066	0.01306	0.41551	0.00686	0.03791	0.01025	0.01066	2.18E-01	4.54E-04	3.13E-08	1.01E-02	1.48E-03	2.45E-03	1.67E-03	1.67E-03	2.33E-01
361	489288.17	3859871.48	0.04447	0.01103	0.014	0.20468	0.00716	0.03693	0.01063	0.01103	2.13E-01	4.69E-04	3.36E-08	4.96E-03	1.54E-03	2.39E-03	1.74E-03	1.73E-03	2.23E-01
362	489338.17	3859871.48	0.04324	0.01142	0.01515	0.13461	0.0074	0.03611	0.01103	0.01142	2.08E-01	4.86E-04	3.63E-08	3.26E-03	1.60E-03	2.34E-03	1.80E-03	1.79E-03	2.15E-01
363	489388.17	3859871.48	0.04198	0.01186	0.01672	0.10179	0.0076	0.03539	0.01148	0.01186	2.01E-01	5.05E-04	4.01E-08	2.47E-03	1.64E-03	2.29E-03	1.87E-03	1.86E-03	2.08E-01
364	489438.17	3859871.48	0.04075	0.01234	0.01877	0.08288	0.00776	0.03469	0.01196	0.01234	1.96E-01	5.25E-04	4.50E-08	2.01E-03	1.67E-03	2.24E-03	1.95E-03	1.93E-03	2.02E-01
365	489488.17	3859871.48	0.03956	0.01282	0.02079	0.07073	0.00787	0.03403	0.01244	0.01282	1.90E-01	5.45E-04	4.99E-08	1.71E-03	1.70E-03	2.20E-03	2.03E-03	2.01E-03	1.96E-01
366	489538.17	3859871.48	0.03832	0.01335	0.02133	0.06342	0.00785	0.03364	0.01297	0.01335	1.84E-01	5.68E-04	5.12E-08	1.54E-03	1.69E-03	2.18E-03	2.12E-03	2.09E-03	1.90E-01
367	489588.17	3859871.48	0.03718	0.01393	0.02098	0.05794	0.00781	0.03326	0.01354	0.01393	1.78E-01	5.93E-04	5.03E-08	1.40E-03	1.68E-03	2.15E-03	2.21E-03	2.18E-03	1.84E-01
368	489238.17	3859921.48	0.05202	0.01007	0.01212	0.40894	0.00652	0.03723	0.00968	0.01007	2.50E-01	4.28E-04	2.91E-08	9.91E-03	1.41E-03	2.41E-03	1.58E-03	1.58E-03	2.64E-01
369	489288.17	3859921.48	0.04939	0.01039	0.01301	0.20028	0.00685	0.0362	0.01002	0.01039	2.37E-01	4.42E-04	3.12E-08	4.85E-03	1.48E-03	2.34E-03	1.64E-03	1.63E-03	2.46E-01
370	489338.17	3859921.48	0.04679	0.01073	0.01416	0.13202	0.00711	0.03536	0.01037	0.01073	2.25E-01	4.57E-04	3.40E-08	3.20E-03	1.53E-03	2.29E-03	1.69E-03	1.68E-03	2.32E-01
371	489388.17	3859921.48	0.04451	0.0111	0.01573	0.09939	0.00735	0.03454	0.01075	0.0111	2.14E-01	4.72E-04	3.77E-08	2.41E-03	1.59E-03	2.23E-03	1.75E-03	1.74E-03	2.20E-01
372	489438.17	3859921.48	0.04256	0.01147	0.01758	0.08019	0.00755	0.03371	0.01113	0.01147	2.04E-01	4.88E-04	4.22E-08	1.94E-03	1.63E-03	2.18E-03	1.82E-03	1.80E-03	2.11E-01
373	489488.17	3859921.48	0.04079	0.01186	0.01848	0.06877	0.00766	0.03312	0.01152	0.01186	1.96E-01	5.05E-04	4.43E-08	1.67E-03	1.65E-03	2.14E-03	1.88E-03	1.86E-03	2.02E-01
374	489538.17	3859921.48	0.03919	0.01229	0.01828	0.06142	0.00769	0.03267	0.01196	0.01229	1.88E-01	5.23E-04	4.38E-08	1.49E-03	1.66E-03	2.11E-03	1.95E-03	1.93E-03	1.94E-01
375	489588.17	3859921.48	0.03779	0.0127	0.01714	0.0557	0.0077	0.03215	0.01237	0.0127	1.81E-01	5.40E-04	4.11E-08	1.35E-03	1.66E-03	2.08E-03	2.02E-03	1.99E-03	1.87E-01
376	489238.17	3859971.48	0.06718	0.00955	0.01132	0.40136	0.00619	0.03658	0.00919	0.00955	3.22E-01	4.06E-04	2.71E-08	9.72E-03	1.34E-03	2.37E-03	1.50E-03	1.50E-03	3.36E-01
377	489288.17	3859971.48	0.0578	0.00982	0.0122	0.19847	0.00652	0.03557	0.00948	0.00982	2.77E-01	4.18E-04	2.93E-08	4.81E-03	1.41E-03	2.30E-03	1.55E-03	1.54E-03	2.86E-01
378	489338.17	3859971.48	0.05199	0.01012	0.01342	0.12967	0.00682	0.03464	0.00979	0.01012	2.49E-01	4.31E-04	3.22E-08	3.14E-03	1.47E-03	2.24E-03	1.60E-03	1.59E-03	2.57E-01
379	489388.17	3859971.48	0.04797	0.01042	0.01495	0.09674	0.0071	0.03368	0.0101	0.01042	2.30E-01	4.43E-04	3.59E-08	2.34E-03	1.53E-03	2.18E-03	1.65E-03	1.63E-03	2.37E-01
380	489438.17	3859971.48	0.04497	0.01066	0.0158	0.07677	0.00734	0.03268	0.01037	0.01066	2.16E-01	4.54E-04	3.79E-08	1.86E-03	1.58E-03	2.11E-03	1.69E-03	1.67E-03	2.22E-01
381	489488.17	3859971.48	0.04264	0.01081	0.01532	0.06372	0.00755	0.03153	0.01057	0.01081	2.05E-01	4.60E-04	3.67E-08	1.54E-03	1.63E-03	2.04E-03	1.73E-03	1.69E-03	2.10E-01
382	489538.17	3859971.48	0.04063	0.01096	0.01457	0.05595	0.00765	0.03074	0.01075	0.01096	1.95E-01	4.66E-04	3.49E-08	1.36E-03	1.65E-03	1.99E-03	1.75E-03	1.72E-03	2.00E-01
383	489588.17	3859971.48	0.03888	0.01115	0.01364	0.05059	0.00769	0.03007	0.01094	0.01115	1.87E-01	4.74E-04	3.27E-08	1.23E-03	1.66E-03	1.95E-03	1.79E-03	1.75E-03	1.92E-01
384	483577.7	3854071	0.06219	0.02318	0.00668	0.14377	0.0039	0.09364	0.05455	0.02318	2.98E-01	9.86E-04	1.60E-08	3.48E-03	8.41E-04	6.06E-03	8.90E-03	3.63E-03	3.15E-01
385	483627.7	3854071	0.05399	0.02182	0.00655	0.11924	0.00391	0.08113	0.0497	0.02182	2.59E-01	9.28E-04	1.57E-08	2.89E-03	8.43E-04	5.25E-03	8.11E-03	3.42E-03	2.74E-01
386	483677.7	3854071	0.04848	0.02059	0.00657	0.10145	0.00392	0.07135	0.0456	0.02059	2.33E-01	8.76E-04	1.58E-08	2.46E-03	8.45E-04	4.62E-03	7.44E-03	3.23E-03	2.46E-01
387	483727.7	3854071	0.04445	0.01948	0.0067	0.08803	0.00393	0.06353	0.04215	0.01948	2.13E-01	8.29E-04	1.61E-08	2.13E-03	8.48E-04	4.11E-03	6.88E-03	3.05E-03	2.25E-01
388	483777.7	3854071	0.04142	0.01832	0.00684	0.07696	0.00393	0.05676	0.03888	0.01832	1.99E-01	7.79E-04	1.64E-08	1.86E-03	8.48E-04	3.67E-03	6.35E-03	2.87E-03	2.09E-01
389	483577.7	3854121	0.06441	0.02338	0.00733	0.19497	0.00397	0.11628	0.06583	0.02338	3.09E-01	9.95E-04	1.76E-08	4.72E-03	8.56E-04	7.52E-03	1.07E-02	3.66E-03	3.30E-01
390	483627.7	3854121	0.05628	0.02185	0.00723	0.15458	0.00398	0.097	0.0586	0.02185	2.70E-01	9.30E-04	1.73E-08	3.74E-03	8.58E-04	6.28E-03	9.57E-03	3.42E-03	2.88E-01
391	483677.7	3854121	0.05091	0.02039	0.00726	0.12672	0.00399	0.08255	0.05259	0.02039	2.44E-01	8.68E-04	1.74E-08	3.07E-03	8.61E-04	5.34E-03	8.58E-03	3.19E-03	2.60E-01
392	483727.7	3854121	0.04704	0.01908	0.00738	0.10653	0.00399	0.07156	0.04757	0.01908	2.26E-01	8.12E-04	1.77E-08	2.58E-03	8.61E-04	4.63E-03	7.76E-03	2.99E-03	2.39E-01
393	483777.7	3854121	0.0439	0.01807	0.00755	0.09231	0.00398	0.06361	0.04364	0.01807	2.11E-01	7.69E-04	1.81E-08	2.24E-03	8.58E-04	4.12E-03	7.12E-03	2.83E-03	2.23E-01
394	483577.7	3854171	0.06741	0.02326	0.00807	0.28406	0.00405	0.15316	0.08112	0.02326	3.23E-01	9.90E-04	1.94E-08	6.88E-03	8.73E-04	9.91E-03	1.32E-02	3.64E-03	3.52E-01
395	483627.7	3854171	0.05945	0.02149	0.008	0.20711	0.00405	0.1193	0.07003	0.02149	2.85E-01	9.14E-04	1.92E-08	5.02E-03	8.73E-04	7.72E-03	1.14E-02	3.37E-03	3.08E-01

396	483677.7	3854171	0.05403	0.02008	0.0081	0.16258	0.00406	0.09817	0.06178	0.02008	2.59E-01	8.54E-04	1.94E-08	3.94E-03	8.76E-04	6.35E-03	1.01E-02	3.15E-03	2.78E-01
397	483727.7	3854171	0.04999	0.01892	0.00825	0.13367	0.00403	0.08375	0.05533	0.01892	2.40E-01	8.05E-04	1.98E-08	3.24E-03	8.69E-04	5.42E-03	9.03E-03	2.96E-03	2.56E-01
398	483777.7	3854171	0.04684	0.01785	0.00846	0.11257	0.00403	0.07267	0.04992	0.01785	2.25E-01	7.59E-04	2.03E-08	2.73E-03	8.69E-04	4.70E-03	8.15E-03	2.80E-03	2.39E-01
399	483827.7	3854171	0.0444	0.01671	0.00883	0.0957	0.00404	0.0634	0.04495	0.01671	2.13E-01	7.11E-04	2.12E-08	2.32E-03	8.71E-04	4.10E-03	7.34E-03	2.62E-03	2.26E-01
400	483877.7	3854171	0.04214	0.01592	0.00955	0.08414	0.00406	0.05697	0.04139	0.01592	2.02E-01	6.77E-04	2.29E-08	2.04E-03	8.76E-04	3.69E-03	6.76E-03	2.49E-03	2.14E-01
401	483727.7	3854221	0.05432	0.01886	0.00937	0.17672	0.00409	0.10245	0.06636	0.01886	2.61E-01	8.02E-04	2.25E-08	4.28E-03	8.82E-04	6.63E-03	1.08E-02	2.95E-03	2.81E-01
402	483777.7	3854221	0.05084	0.01774	0.00973	0.14283	0.00409	0.08611	0.05869	0.01774	2.44E-01	7.55E-04	2.33E-08	3.46E-03	8.82E-04	5.57E-03	9.58E-03	2.78E-03	2.61E-01
403	483827.7	3854221	0.04772	0.01701	0.01054	0.12147	0.00411	0.07552	0.0534	0.01701	2.29E-01	7.24E-04	2.53E-08	2.94E-03	8.86E-04	4.89E-03	8.72E-03	2.66E-03	2.44E-01
404	483877.7	3854221	0.04538	0.01605	0.01138	0.10344	0.00412	0.06603	0.04807	0.01605	2.18E-01	6.83E-04	2.73E-08	2.51E-03	8.89E-04	4.27E-03	7.85E-03	2.51E-03	2.31E-01
405	489150.19	3858726.45	0.05879	0.04973	0.01849	0.43417	0.01617	0.16265	0.05357	0.04973	2.82E-01	2.12E-03	4.43E-08	1.05E-02	3.49E-03	1.05E-02	8.74E-03	7.79E-03	3.10E-01
406	489200.19	3858726.45	0.05608	0.04656	0.01861	0.71796	0.01592	0.13388	0.04918	0.04656	2.69E-01	1.98E-03	4.46E-08	1.74E-02	3.43E-03	8.66E-03	8.03E-03	7.29E-03	3.01E-01
407	489150.19	3858776.45	0.05991	0.05699	0.01869	0.57822	0.01545	0.21879	0.06215	0.05699	2.88E-01	2.42E-03	4.48E-08	1.40E-02	3.33E-03	1.42E-02	1.01E-02	8.93E-03	3.23E-01
408	489200.19	3858776.45	0.05718	0.05272	0.01877	0.83268	0.0152	0.16608	0.05614	0.05272	2.74E-01	2.24E-03	4.50E-08	2.02E-02	3.28E-03	1.07E-02	9.16E-03	8.26E-03	3.12E-01
409	488919.6	3856400.76	0.02658	0.00865	0.01125	0.02138	0.0963	0.01795	0.01128	0.00865	1.28E-01	3.68E-04	2.70E-08	5.18E-04	2.08E-02	1.16E-03	1.84E-03	1.36E-03	1.51E-01
410	488919.6	3856450.76	0.02683	0.0088	0.01106	0.02182	0.1104	0.01833	0.01144	0.0088	1.29E-01	3.74E-04	2.65E-08	5.29E-04	2.38E-02	1.19E-03	1.87E-03	1.38E-03	1.55E-01
411	488969.6	3856450.76	0.02654	0.00873	0.01091	0.02152	0.10979	0.01812	0.01128	0.00873	1.27E-01	3.71E-04	2.62E-08	5.21E-04	2.37E-02	1.17E-03	1.84E-03	1.37E-03	1.54E-01
412	488919.6	3856500.76	0.02709	0.00896	0.01087	0.02229	0.12665	0.01873	0.01161	0.00896	1.30E-01	3.81E-04	2.61E-08	5.40E-04	2.73E-02	1.21E-03	1.90E-03	1.40E-03	1.60E-01
413	488969.6	3856500.76	0.02677	0.00889	0.01074	0.02198	0.12544	0.01854	0.01144	0.00889	1.28E-01	3.78E-04	2.58E-08	5.33E-04	2.71E-02	1.20E-03	1.87E-03	1.39E-03	1.58E-01
414	488919.6	3856550.76	0.02733	0.00913	0.01072	0.02277	0.14473	0.01917	0.01178	0.00913	1.31E-01	3.88E-04	2.57E-08	5.52E-04	3.12E-02	1.24E-03	1.92E-03	1.43E-03	1.65E-01
415	488969.6	3856550.76	0.02702	0.00905	0.0106	0.02245	0.14266	0.01897	0.01161	0.00905	1.30E-01	3.85E-04	2.54E-08	5.44E-04	3.08E-02	1.23E-03	1.90E-03	1.42E-03	1.63E-01
416	488819.6	3856600.76	0.0283	0.00946	0.01082	0.02404	0.1711	0.02009	0.01233	0.00946	1.36E-01	4.03E-04	2.60E-08	5.82E-04	3.69E-02	1.30E-03	2.01E-03	1.48E-03	1.76E-01
417	488869.6	3856600.76	0.02795	0.00937	0.01071	0.02364	0.16791	0.01984	0.01214	0.00937	1.34E-01	3.99E-04	2.57E-08	5.73E-04	3.62E-02	1.28E-03	1.98E-03	1.47E-03	1.73E-01
418	488919.6	3856600.76	0.0276	0.0093	0.01062	0.02327	0.16467	0.01963	0.01195	0.0093	1.32E-01	3.96E-04	2.55E-08	5.64E-04	3.55E-02	1.27E-03	1.95E-03	1.46E-03	1.71E-01
419	488819.6	3856650.76	0.02859	0.00964	0.01074	0.02459	0.19559	0.02058	0.01252	0.00964	1.37E-01	4.10E-04	2.58E-08	5.96E-04	4.22E-02	1.33E-03	2.04E-03	1.51E-03	1.82E-01
420	488869.6	3856650.76	0.02823	0.00955	0.01065	0.02418	0.19084	0.02033	0.01232	0.00955	1.35E-01	4.06E-04	2.55E-08	5.86E-04	4.12E-02	1.32E-03	2.01E-03	1.50E-03	1.79E-01
421	488819.6	3856700.76	0.02888	0.00983	0.01072	0.02517	0.22156	0.02112	0.01273	0.00983	1.39E-01	4.18E-04	2.57E-08	6.10E-04	4.78E-02	1.37E-03	2.08E-03	1.54E-03	1.89E-01
422	488869.6	3856700.76	0.02852	0.00973	0.01067	0.02474	0.21501	0.02087	0.01252	0.00973	1.37E-01	4.14E-04	2.56E-08	5.99E-04	4.64E-02	1.35E-03	2.04E-03	1.52E-03	1.86E-01
423	488819.6	3856750.76	0.0292	0.01002	0.01076	0.02577	0.24851	0.02169	0.01294	0.01002	1.40E-01	4.26E-04	2.58E-08	6.24E-04	5.36E-02	1.40E-03	2.11E-03	1.57E-03	1.97E-01
424	488869.6	3856750.76	0.02881	0.00993	0.01077	0.02533	0.23976	0.02147	0.01273	0.00993	1.38E-01	4.23E-04	2.58E-08	6.14E-04	5.17E-02	1.39E-03	2.08E-03	1.56E-03	1.93E-01
425	488819.6	3857050.76	0.03143	0.01137	0.01251	0.03033	0.39801	0.02651	0.01448	0.01137	1.51E-01	4.84E-04	3.00E-08	7.35E-04	8.58E-02	1.72E-03	2.36E-03	1.78E-03	2.40E-01
426	488869.6	3857050.76	0.03095	0.01126	0.01268	0.02972	0.37467	0.02612	0.0142	0.01126	1.49E-01	4.79E-04	3.04E-08	7.20E-04	8.08E-02	1.69E-03	2.32E-03	1.76E-03	2.33E-01
427	488919.6	3857050.76	0.0305	0.01115	0.01283	0.02914	0.35374	0.0257	0.01393	0.01115	1.46E-01	4.74E-04	3.08E-08	7.06E-04	7.63E-02	1.66E-03	2.27E-03	1.75E-03	2.26E-01
428	488819.6	3857100.76	0.0319	0.01164	0.01307	0.0313	0.41555	0.02745	0.0148	0.01164	1.53E-01	4.95E-04	3.13E-08	7.58E-04	8.96E-02	1.78E-03	2.42E-03	1.82E-03	2.46E-01
429	488869.6	3857100.76	0.03141	0.01152	0.01321	0.03065	0.39026	0.02698	0.0145	0.01152	1.51E-01	4.90E-04	3.17E-08	7.43E-04	8.42E-02	1.75E-03	2.37E-03	1.80E-03	2.38E-01
430	488919.6	3857100.76	0.03093	0.01141	0.01334	0.03003	0.36696	0.02654	0.01421	0.01141	1.48E-01	4.85E-04	3.20E-08	7.28E-04	7.91E-02	1.72E-03	2.32E-03	1.79E-03	2.31E-01
431	488819.6	3857150.76	0.0324	0.01193	0.0137	0.03234	0.42854	0.02844	0.01514	0.01193	1.55E-01	5.08E-04	3.29E-08	7.83E-04	9.24E-02	1.84E-03	2.47E-03	1.87E-03	2.52E-01
432	488869.6	3857150.76	0.03188	0.0118	0.0138	0.03166	0.40095	0.02793	0.01482	0.0118	1.53E-01	5.02E-04	3.31E-08	7.67E-04	8.65E-02	1.81E-03	2.42E-03	1.85E-03	2.43E-01
433	488919.6	3857150.76	0.03139	0.01168	0.01389	0.03101	0.37636	0.02745	0.01452	0.01168	1.51E-01	4.97E-04	3.33E-08	7.51E-04	8.12E-02	1.78E-03	2.37E-03	1.83E-03	2.35E-01
434	488969.6	3857150.76	0.03092	0.01156	0.01398	0.03038	0.354	0.027	0.01423	0.01156	1.48E-01	4.92E-04	3.35E-08	7.36E-04	7.63E-02	1.75E-03	2.32E-03	1.81E-03	2.28E-01
435	488819.6	3857200.76	0.03294	0.01223	0.0144	0.03347	0.43581	0.02951	0.0155	0.01223	1.58E-01	5.20E-04	3.45E-08	8.11E-04	9.40E-02	1.91E-03	2.53E-03	1.92E-03	2.56E-01
436	488869.6	3857200.76	0.03239	0.0121	0.01447	0.03274	0.40658	0.02897	0.01516	0.0121	1.55E-01	5.15E-04	3.47E-08	7.93E-04	8.77E-02	1.87E-03	2.47E-03	1.90E-03	2.47E-01
437	488919.6	3857200.76	0.03188	0.01197	0.01455	0.03204	0.38065	0.02847	0.01484	0.01197	1.53E-01	5.09E-04	3.49E-08	7.76E-04	8.21E-02	1.84E-03	2.42E-03	1.88E-03	2.39E-01
438	488969.6	3857200.76	0.0314	0.01184	0.01465	0.03137	0.35757	0.028	0.01454	0.01184	1.51E-01	5.04E-04	3.51E-08	7.60E-04	7.71E-02	1.81E-03	2.37E-03	1.85E-03	2.31E-01
439	488819.6	3857250.76	0.03352	0.01255	0.01522	0.03468	0.43699	0.03068	0.01588	0.01255	1.61E-01	5.34E-04	3.65E-08	8.40E-04	9.42E-02	1.99E-03	2.59E-03	1.97E-03	2.59E-01
440	488869.6	3857250.76	0.03296	0.01241	0.01529	0.03389	0.40699	0.03011	0.01552	0.01241	1.58E-01	5.28E-04	3.67E-08	8.21E-04	8.78E-02	1.95E-03	2.53E-03	1.94E-03	2.50E-01
441	488919.6	3857250.76	0.03242	0.01227	0.01541	0.03315	0.38024	0.0296	0.01519	0.01227	1.56E-01	5.22E-04	3.70E-08	8.03E-04	8.20E-02	1.92E-03	2.48E-03	1.92E-03	2.41E-01
442	488969.6	3857250.76	0.03191	0.01214	0.01558	0.03244	0.3563	0.02913	0.01487	0.01214	1.53E-01	5.17E-04	3.74E-08	7.86E-04	7.68E-02	1.88E-03	2.43E-03	1.90E-03	2.34E-01
443	488819.6	3857300.76	0.03415	0.01289	0.01632	0.03598	0.4311	0.032	0.01628	0.01289	1.64E-01	5.48E-04	3.91E-08	8.72E-04	9.30E-02	2.07E-03	2.66E-03	2.02E-03	2.61E-01
444	488869.6	3857300.76	0.03355	0.01274	0.01645	0.03514	0.401	0.03142	0.01591	0.01274	1.61E-01	5.42E-04	3.95E-08	8.51E-04	8.65E-02	2.03E-03	2.60E-03	2.00E-03	2.52E-01
445	488919.6	3857300.76	0.03299	0.0126	0.01664	0.03434	0.37401	0.0309	0.01555	0.0126	1.58E-01	5.36E-04	3.99E-08	8.32E-04	8.07E-02	2.00E-03	2.54E-03	1.97E-03	2.43E-01
446	488819.6	3857450.76	0.03636	0.01404	0.02236	0.0406	0.3752	0.03714	0.01767	0.01404	1.74E-01	5.97E-04	5.36E-08	9.84E-04	8.09E-02	2.40E-03	2.88E-03	2.20E-03	2.60E-01
447	488869.6	3857450.76	0.03568	0.01385	0.02247	0.03953	0.34921	0.03639	0.01721	0.01385	1.71E-01	5.89E-04	5.39E-08	9.58E-04	7.53E-02	2.35E-03	2.81E-03	2.17E-03	2.51E-01
448	488919.6	3857450.76	0.03501	0.01369	0.02261	0.03854	0.32546	0.03571	0.01679	0.01369	1.68E-01	5.82E-04	5.42E-08	9.34E-04	7.02E-02	2.31E-03	2.74E-03	2.14E-03	2.43E-01
449	488819.6	3857500.76	0.03725	0.01446	0.02513	0.04243	0.3459	0.03925	0.0182	0.01446	1.79E-01	6.15E-04	6.03E-08	1.03E-03	7.46E-02	2.54E-03	2.97E-03	2.27E-03	2.58E-01
450	488869.6	3857500.76	0.03651	0.01428	0.0251	0.04126	0.3219	0.03843	0.01771	0.01428	1.75E-01	6.08E-04	6.02E-08	1.00E-03	6.94E-02	2.49E-03	2.89E-03	2.24E-03	2.49E-01
451	488919.6	3857500.76	0.03581	0.0141	0.02506	0.04018	0.30063	0.03766	0.01726	0.0141	1.72E-01	6.00E-04	6.01E-08	9.73E-04	6.48E-02	2.44E-03	2.82E-03	2.21E-03	2.41E-01
452	488819.6	3857550.76	0.0382	0.01493	0.02809	0.04444	0.31231	0.04163	0.01877	0.01493	1.83E-01	6.35E-04	6.74E-08	1.08E-03	6.74E-02	2.69E-03	3.06E-03	2.34E-03	2.56E-01

453	488869.6	3857550.76	0.03743	0.01472	0.02785	0.04315	0.29149	0.04068	0.01825	0.01472	1.80E-01	6.26E-04	6.68E-08	1.05E-03	6.29E-02	2.63E-03	2.98E-03	2.31E-03	2.47E-01
454	488919.6	3857550.76	0.03669	0.01454	0.02763	0.04196	0.27276	0.03981	0.01776	0.01454	1.76E-01	6.19E-04	6.63E-08	1.02E-03	5.88E-02	2.58E-03	2.90E-03	2.28E-03	2.40E-01
455	489663.71	3860900.05	0.0107	0.00549	0.00372	0.04071	0.0036	0.01452	0.00539	0.00549	5.13E-02	2.34E-04	8.92E-09	9.86E-04	7.76E-04	9.39E-04	8.80E-04	8.60E-04	5.43E-02
456	489813.71	3860900.05	0.01041	0.00576	0.00353	0.03248	0.00414	0.01399	0.00565	0.00576	5.00E-02	2.45E-04	8.47E-09	7.87E-04	8.93E-04	9.05E-04	9.22E-04	9.02E-04	5.28E-02
457	489863.71	3860900.05	0.01029	0.00585	0.00339	0.03054	0.00426	0.01382	0.00574	0.00585	4.94E-02	2.49E-04	8.13E-09	7.40E-04	9.19E-04	8.94E-04	9.37E-04	9.16E-04	5.22E-02
458	489913.71	3860900.05	0.01019	0.00595	0.00327	0.02894	0.00439	0.01369	0.00584	0.00595	4.89E-02	2.53E-04	7.84E-09	7.01E-04	9.47E-04	8.86E-04	9.53E-04	9.32E-04	5.17E-02
459	489963.71	3860900.05	0.01007	0.00605	0.00316	0.0275	0.00447	0.01355	0.00594	0.00605	4.83E-02	2.57E-04	7.58E-09	6.66E-04	9.64E-04	8.77E-04	9.70E-04	9.48E-04	5.11E-02
460	490013.71	3860900.05	0.00997	0.00616	0.0031	0.02628	0.00455	0.01345	0.00605	0.00616	4.78E-02	2.62E-04	7.43E-09	6.37E-04	9.81E-04	8.70E-04	9.88E-04	9.65E-04	5.06E-02
461	490063.71	3860900.05	0.00986	0.00627	0.00306	0.02519	0.00459	0.01334	0.00616	0.00627	4.73E-02	2.67E-04	7.34E-09	6.10E-04	9.90E-04	8.63E-04	1.01E-03	9.82E-04	5.01E-02
462	489663.71	3860950.05	0.0096	0.00534	0.00358	0.04052	0.00343	0.01357	0.00525	0.00534	4.61E-02	2.27E-04	8.59E-09	9.82E-04	7.40E-04	8.78E-04	8.57E-04	8.37E-04	4.89E-02
463	489813.71	3860950.05	0.00941	0.00559	0.00339	0.03225	0.00397	0.01316	0.00549	0.00559	4.52E-02	2.38E-04	8.13E-09	7.81E-04	8.56E-04	8.51E-04	8.96E-04	8.76E-04	4.79E-02
464	489863.71	3860950.05	0.00934	0.00567	0.00326	0.0303	0.00411	0.01301	0.00557	0.00567	4.48E-02	2.41E-04	7.82E-09	7.34E-04	8.86E-04	8.42E-04	9.09E-04	8.88E-04	4.75E-02
465	489913.71	3860950.05	0.00927	0.00576	0.00315	0.02868	0.00423	0.01291	0.00567	0.00576	4.45E-02	2.45E-04	7.55E-09	6.95E-04	9.12E-04	8.35E-04	9.26E-04	9.02E-04	4.72E-02
466	489963.71	3860950.05	0.00919	0.00586	0.00304	0.02724	0.00433	0.0128	0.00576	0.00586	4.41E-02	2.49E-04	7.29E-09	6.60E-04	9.34E-04	8.28E-04	9.40E-04	9.18E-04	4.68E-02
467	490013.71	3860950.05	0.00911	0.00596	0.00297	0.026	0.00441	0.01271	0.00586	0.00596	4.37E-02	2.54E-04	7.12E-09	6.30E-04	9.51E-04	8.22E-04	9.57E-04	9.34E-04	4.64E-02
468	490063.71	3860950.05	0.00904	0.00606	0.00293	0.02492	0.00447	0.01263	0.00596	0.00606	4.34E-02	2.58E-04	7.03E-09	6.04E-04	9.64E-04	8.17E-04	9.73E-04	9.49E-04	4.60E-02
469	489513.71	3861000.05	0.00874	0.00501	0.00327	0.05683	0.00265	0.013	0.00491	0.00501	4.19E-02	2.13E-04	7.84E-09	1.38E-03	5.72E-04	8.41E-04	8.01E-04	7.85E-04	4.50E-02
470	489563.71	3861000.05	0.00872	0.00507	0.00335	0.04978	0.00285	0.01288	0.00497	0.00507	4.18E-02	2.16E-04	8.03E-09	1.21E-03	6.15E-04	8.33E-04	8.11E-04	7.94E-04	4.47E-02
471	489613.71	3861000.05	0.00871	0.00514	0.00342	0.04451	0.00306	0.01277	0.00504	0.00514	4.18E-02	2.19E-04	8.20E-09	1.08E-03	6.60E-04	8.26E-04	8.23E-04	8.05E-04	4.46E-02
472	489663.71	3861000.05	0.00868	0.00521	0.00345	0.04036	0.00326	0.01267	0.00511	0.00521	4.17E-02	2.22E-04	8.27E-09	9.78E-04	7.03E-04	8.20E-04	8.34E-04	8.16E-04	4.44E-02
473	489713.71	3861000.05	0.00864	0.00528	0.00342	0.03702	0.00345	0.01255	0.00519	0.00528	4.15E-02	2.25E-04	8.20E-09	8.97E-04	7.44E-04	8.12E-04	8.47E-04	8.27E-04	4.42E-02
474	489763.71	3861000.05	0.0086	0.00535	0.00336	0.03429	0.00364	0.01245	0.00526	0.00535	4.13E-02	2.28E-04	8.06E-09	8.31E-04	7.85E-04	8.06E-04	8.59E-04	8.38E-04	4.39E-02
475	489813.71	3861000.05	0.00856	0.00543	0.00326	0.03206	0.00381	0.01237	0.00535	0.00543	4.11E-02	2.31E-04	7.82E-09	7.77E-04	8.22E-04	8.00E-04	8.73E-04	8.51E-04	4.37E-02
476	489863.71	3861000.05	0.00851	0.00551	0.00314	0.0301	0.00396	0.01226	0.00542	0.00551	4.08E-02	2.34E-04	7.53E-09	7.29E-04	8.54E-04	7.93E-04	8.85E-04	8.63E-04	4.35E-02
477	489913.71	3861000.05	0.00846	0.0056	0.00303	0.02846	0.00409	0.01218	0.00551	0.0056	4.06E-02	2.38E-04	7.27E-09	6.89E-04	8.82E-04	7.88E-04	8.99E-04	8.77E-04	4.32E-02
478	489963.71	3861000.05	0.00841	0.00568	0.00293	0.02701	0.00419	0.01208	0.00559	0.00568	4.04E-02	2.42E-04	7.03E-09	6.54E-04	9.04E-04	7.82E-04	9.12E-04	8.90E-04	4.30E-02
479	490013.71	3861000.05	0.00835	0.00578	0.00286	0.02577	0.00428	0.01201	0.00568	0.00578	4.01E-02	2.46E-04	6.86E-09	6.24E-04	9.23E-04	7.77E-04	9.27E-04	9.05E-04	4.27E-02
480	490063.71	3861000.05	0.0083	0.00587	0.00282	0.02467	0.00435	0.01194	0.00578	0.00587	3.98E-02	2.50E-04	6.76E-09	5.98E-04	9.38E-04	7.73E-04	9.43E-04	9.20E-04	4.24E-02
481	489513.71	3861050.05	0.00792	0.0049	0.00317	0.05673	0.00251	0.01204	0.0048	0.0049	3.80E-02	2.08E-04	7.60E-09	1.37E-03	5.41E-04	7.79E-04	7.83E-04	7.68E-04	4.09E-02
482	489563.71	3861050.05	0.00792	0.00495	0.00325	0.04967	0.0027	0.01196	0.00486	0.00495	3.80E-02	2.11E-04	7.79E-09	1.20E-03	5.82E-04	7.74E-04	7.93E-04	7.75E-04	4.08E-02
483	489613.71	3861050.05	0.00792	0.00502	0.00332	0.04438	0.0029	0.0119	0.00493	0.00502	3.80E-02	2.14E-04	7.96E-09	1.08E-03	6.25E-04	7.70E-04	8.05E-04	7.86E-04	4.07E-02
484	489663.71	3861050.05	0.00791	0.00508	0.00333	0.0402	0.0031	0.01181	0.00499	0.00508	3.80E-02	2.16E-04	7.99E-09	9.74E-04	6.69E-04	7.64E-04	8.15E-04	7.96E-04	4.06E-02
485	489713.71	3861050.05	0.00788	0.00514	0.0033	0.03684	0.00329	0.01173	0.00506	0.00514	3.78E-02	2.19E-04	7.91E-09	8.93E-04	7.10E-04	7.59E-04	8.26E-04	8.05E-04	4.04E-02
486	489763.71	3861050.05	0.00786	0.00521	0.00323	0.03412	0.00347	0.01166	0.00513	0.00521	3.77E-02	2.22E-04	7.75E-09	8.27E-04	7.48E-04	7.54E-04	8.37E-04	8.16E-04	4.03E-02
487	489813.71	3861050.05	0.00783	0.00529	0.00314	0.03185	0.00365	0.0116	0.0052	0.00529	3.76E-02	2.25E-04	7.53E-09	7.72E-04	7.87E-04	7.51E-04	8.49E-04	8.29E-04	4.01E-02
488	489863.71	3861050.05	0.0078	0.00536	0.00303	0.0299	0.0038	0.01153	0.00528	0.00536	3.74E-02	2.28E-04	7.27E-09	7.24E-04	8.20E-04	7.46E-04	8.62E-04	8.40E-04	4.00E-02
489	489913.71	3861050.05	0.00777	0.00544	0.00293	0.02824	0.00394	0.01146	0.00536	0.00544	3.73E-02	2.31E-04	7.03E-09	6.84E-04	8.50E-04	7.41E-04	8.75E-04	8.52E-04	3.98E-02
490	489963.71	3861050.05	0.00773	0.00552	0.00283	0.0268	0.00406	0.0114	0.00544	0.00552	3.71E-02	2.35E-04	6.79E-09	6.49E-04	8.76E-04	7.38E-04	8.88E-04	8.65E-04	3.96E-02
491	490013.71	3861050.05	0.00769	0.00561	0.00277	0.02556	0.00416	0.01135	0.00553	0.00561	3.69E-02	2.39E-04	6.64E-09	6.19E-04	8.97E-04	7.34E-04	9.03E-04	8.79E-04	3.94E-02
492	490063.71	3861050.05	0.00765	0.0057	0.00272	0.02446	0.00423	0.01129	0.00561	0.0057	3.67E-02	2.43E-04	6.52E-09	5.93E-04	9.12E-04	7.30E-04	9.16E-04	8.93E-04	3.92E-02
493	489513.71	3861100.05	0.00725	0.00479	0.00308	0.05646	0.00238	0.01119	0.00469	0.00479	3.48E-02	2.04E-04	7.39E-09	1.37E-03	5.13E-04	7.24E-04	7.66E-04	7.50E-04	3.76E-02
494	489563.71	3861100.05	0.00725	0.00484	0.00315	0.0495	0.00256	0.01112	0.00475	0.00484	3.48E-02	2.06E-04	7.55E-09	1.20E-03	5.52E-04	7.19E-04	7.75E-04	7.58E-04	3.75E-02
495	489613.71	3861100.05	0.00725	0.00489	0.00319	0.04413	0.00274	0.01104	0.0048	0.00489	3.48E-02	2.08E-04	7.65E-09	1.07E-03	5.91E-04	7.14E-04	7.83E-04	7.66E-04	3.74E-02
496	489663.71	3861100.05	0.00724	0.00495	0.00321	0.03998	0.00293	0.011	0.00486	0.00495	3.47E-02	2.11E-04	7.70E-09	9.69E-04	6.32E-04	7.12E-04	7.93E-04	7.75E-04	3.73E-02
497	489713.71	3861100.05	0.00724	0.00501	0.00318	0.03665	0.00312	0.01096	0.00493	0.00501	3.47E-02	2.13E-04	7.63E-09	8.88E-04	6.73E-04	7.09E-04	8.05E-04	7.85E-04	3.72E-02
498	489763.71	3861100.05	0.00722	0.00508	0.00312	0.03391	0.00331	0.01091	0.005	0.00508	3.46E-02	2.16E-04	7.48E-09	8.22E-04	7.14E-04	7.06E-04	8.16E-04	7.96E-04	3.71E-02
499	489813.71	3861100.05	0.00721	0.00515	0.00303	0.03164	0.00349	0.01088	0.00507	0.00515	3.46E-02	2.19E-04	7.27E-09	7.67E-04	7.53E-04	7.04E-04	8.28E-04	8.07E-04	3.71E-02
500	489863.71	3861100.05	0.00719	0.00522	0.00294	0.02972	0.00366	0.01085	0.00515	0.00522	3.45E-02	2.22E-04	7.05E-09	7.20E-04	7.89E-04	7.02E-04	8.41E-04	8.18E-04	3.70E-02
501	489913.71	3861100.05	0.00716	0.00529	0.00283	0.02805	0.00379	0.01079	0.00522	0.00529	3.44E-02	2.25E-04	6.79E-09	6.80E-04	8.17E-04	6.98E-04	8.52E-04	8.29E-04	3.68E-02
502	489963.71	3861100.05	0.00714	0.00537	0.00274	0.02661	0.00392	0.01075	0.0053	0.00537	3.43E-02	2.28E-04	6.57E-09	6.45E-04	8.45E-04	6.96E-04	8.65E-04	8.41E-04	3.67E-02
503	490013.71	3861100.05	0.0071	0.00545	0.00267	0.02534	0.00402	0.01069	0.00537	0.00545	3.41E-02	2.32E-04	6.40E-09	6.14E-04	8.67E-04	6.92E-04	8.77E-04	8.54E-04	3.65E-02
504	490063.71	3861100.05	0.00708	0.00554	0.00263	0.02425	0.0041	0.01066	0.00546	0.00554	3.40E-02	2.36E-04	6.31E-09	5.88E-04	8.84E-04	6.90E-04	8.91E-04	8.68E-04	3.64E-02
505	489713.71	3861150.05	0.00668	0.00489	0.00307	0.03648	0.00297	0.01025	0.00481	0.00489	3.21E-02	2.08E-04	7.36E-09	8.84E-04	6.41E-04	6.63E-04	7.85E-04	7.66E-04	3.45E-02
506	489763.71	3861150.05	0.00668	0.00495	0.00301	0.03375	0.00316	0.01023	0.00488	0.00495	3.21E-02	2.11E-04	7.22E-09	8.18E-04	6.82E-04	6.62E-04	7.97E-04	7.75E-04	3.44E-02
507	489813.71	3861150.05	0.00667	0.00502	0.00293	0.03147	0.00333	0.01021	0.00495	0.00502	3.20E-02	2.14E-04	7.03E-09	7.62E-04	7.18E-04	6.61E-04	8.08E-04	7.86E-04	3.44E-02
508	489863.71	3861150.05	0.00665	0.00508	0.00283	0.02953	0.0035	0.01018	0.00502	0.00508	3.19E-02	2.16E-04	6.79E-09	7.15E-04	7.55E-04	6.59E-04	8.19E-04	7.96E-04	3.43E-02
509	489913.71	3861150.05	0.00664	0.00515	0.00274	0.02786	0.00365	0.01015	0.00509	0.00515	3.19E-02	2.19E-04	6.57E-09	6.75E-04	7.87E-04	6.57E-04	8.31E-04	8.07E-04	3.42E-02

510	489963.71	3861150.05	0.00662	0.00523	0.00265	0.02641	0.00377	0.01012	0.00516	0.00523	3.18E-02	2.23E-04	6.36E-09	6.40E-04	8.13E-04	6.55E-04	8.42E-04	8.19E-04	3.41E-02
511	490013.71	3861150.05	0.00659	0.0053	0.00258	0.02515	0.00388	0.01009	0.00523	0.0053	3.16E-02	2.26E-04	6.19E-09	6.09E-04	8.37E-04	6.53E-04	8.54E-04	8.30E-04	3.40E-02
512	490063.71	3861150.05	0.00657	0.00538	0.00254	0.02405	0.00398	0.01007	0.00531	0.00538	3.15E-02	2.29E-04	6.09E-09	5.83E-04	8.58E-04	6.52E-04	8.67E-04	8.43E-04	3.39E-02
513	489613.71	3861200.05	0.0062	0.00466	0.00299	0.04378	0.00245	0.00962	0.00458	0.00466	2.98E-02	1.98E-04	7.17E-09	1.06E-03	5.28E-04	6.22E-04	7.48E-04	7.30E-04	3.22E-02
514	489663.71	3861200.05	0.00621	0.00472	0.003	0.03964	0.00263	0.00961	0.00464	0.00472	2.98E-02	2.01E-04	7.20E-09	9.60E-04	5.67E-04	6.22E-04	7.57E-04	7.39E-04	3.22E-02
515	489713.71	3861200.05	0.00621	0.00477	0.00297	0.03631	0.00282	0.00961	0.0047	0.00477	2.98E-02	2.03E-04	7.12E-09	8.80E-04	6.08E-04	6.22E-04	7.67E-04	7.47E-04	3.21E-02
516	489763.71	3861200.05	0.00621	0.00483	0.00291	0.03358	0.003	0.0096	0.00476	0.00483	2.98E-02	2.06E-04	6.98E-09	8.14E-04	6.47E-04	6.21E-04	7.77E-04	7.57E-04	3.21E-02
517	489813.71	3861200.05	0.0062	0.00489	0.00283	0.0313	0.00318	0.0096	0.00483	0.00489	2.98E-02	2.08E-04	6.79E-09	7.58E-04	6.86E-04	6.21E-04	7.88E-04	7.66E-04	3.20E-02
518	489863.71	3861200.05	0.0062	0.00496	0.00275	0.02937	0.00335	0.00959	0.0049	0.00496	2.98E-02	2.11E-04	6.60E-09	7.12E-04	7.23E-04	6.20E-04	8.00E-04	7.77E-04	3.20E-02
519	489913.71	3861200.05	0.00618	0.00502	0.00266	0.0277	0.0035	0.00957	0.00496	0.00502	2.97E-02	2.14E-04	6.38E-09	6.71E-04	7.55E-04	6.19E-04	8.10E-04	7.86E-04	3.19E-02
520	489963.71	3861200.05	0.00616	0.00509	0.00257	0.02625	0.00364	0.00955	0.00503	0.00509	2.96E-02	2.17E-04	6.16E-09	6.36E-04	7.85E-04	6.18E-04	8.21E-04	7.97E-04	3.18E-02
521	490013.71	3861200.05	0.00615	0.00516	0.0025	0.02499	0.00376	0.00953	0.0051	0.00516	2.95E-02	2.20E-04	6.00E-09	6.05E-04	8.11E-04	6.17E-04	8.32E-04	8.08E-04	3.18E-02
522	490063.71	3861200.05	0.00613	0.00524	0.00246	0.02387	0.00385	0.00951	0.00517	0.00524	2.94E-02	2.23E-04	5.90E-09	5.78E-04	8.30E-04	6.15E-04	8.44E-04	8.21E-04	3.17E-02
523	489513.71	3861250.05	0.00574	0.00446	0.00279	0.05591	0.00199	0.009	0.00437	0.00446	2.75E-02	1.90E-04	6.69E-09	1.35E-03	4.29E-04	5.82E-04	7.13E-04	6.99E-04	3.01E-02
524	489563.71	3861250.05	0.00577	0.00451	0.00286	0.04895	0.00215	0.00902	0.00443	0.00451	2.77E-02	1.92E-04	6.86E-09	1.19E-03	4.64E-04	5.84E-04	7.23E-04	7.06E-04	3.01E-02
525	489613.71	3861250.05	0.00579	0.00456	0.0029	0.04366	0.00232	0.00903	0.00448	0.00456	2.78E-02	1.94E-04	6.96E-09	1.06E-03	5.00E-04	5.84E-04	7.31E-04	7.14E-04	3.01E-02
526	489663.71	3861250.05	0.0058	0.00461	0.0029	0.03949	0.00249	0.00903	0.00454	0.00461	2.78E-02	1.96E-04	6.96E-09	9.57E-04	5.37E-04	5.84E-04	7.41E-04	7.22E-04	3.01E-02
527	489713.71	3861250.05	0.0058	0.00466	0.00287	0.03616	0.00267	0.00903	0.00459	0.00466	2.78E-02	1.98E-04	6.88E-09	8.76E-04	5.76E-04	5.84E-04	7.49E-04	7.30E-04	3.01E-02
528	489763.71	3861250.05	0.0058	0.00472	0.00282	0.03343	0.00286	0.00903	0.00465	0.00472	2.78E-02	2.01E-04	6.76E-09	8.10E-04	6.17E-04	5.84E-04	7.59E-04	7.39E-04	3.01E-02
529	489813.71	3861250.05	0.0058	0.00478	0.00274	0.03114	0.00303	0.00904	0.00471	0.00478	2.78E-02	2.03E-04	6.57E-09	7.54E-04	6.53E-04	5.85E-04	7.69E-04	7.49E-04	3.00E-02
530	489863.71	3861250.05	0.00579	0.00484	0.00266	0.0292	0.0032	0.00904	0.00478	0.00484	2.78E-02	2.06E-04	6.38E-09	7.07E-04	6.90E-04	5.85E-04	7.80E-04	7.58E-04	3.00E-02
531	489913.71	3861250.05	0.00578	0.0049	0.00258	0.02754	0.00336	0.00904	0.00484	0.0049	2.77E-02	2.08E-04	6.19E-09	6.67E-04	7.25E-04	5.85E-04	7.90E-04	7.68E-04	2.99E-02
532	489963.71	3861250.05	0.00577	0.00496	0.0025	0.0261	0.0035	0.00903	0.00491	0.00496	2.77E-02	2.11E-04	6.00E-09	6.32E-04	7.55E-04	5.84E-04	8.01E-04	7.77E-04	2.99E-02
533	490013.71	3861250.05	0.00576	0.00503	0.00243	0.02483	0.00363	0.00902	0.00497	0.00503	2.76E-02	2.14E-04	5.83E-09	6.02E-04	7.83E-04	5.84E-04	8.11E-04	7.88E-04	2.98E-02
534	490063.71	3861250.05	0.00574	0.0051	0.00239	0.0237	0.00373	0.00901	0.00504	0.0051	2.75E-02	2.17E-04	5.73E-09	5.74E-04	8.04E-04	5.83E-04	8.23E-04	7.99E-04	2.97E-02
535	489528.13	3861308.47	0.00533	0.00437	0.00272	0.05349	0.00191	0.00839	0.00428	0.00437	2.56E-02	1.86E-04	6.52E-09	1.30E-03	4.12E-04	5.43E-04	6.99E-04	6.85E-04	2.80E-02
536	489578.13	3861308.47	0.00536	0.00441	0.00277	0.04708	0.00206	0.0084	0.00433	0.00441	2.57E-02	1.88E-04	6.64E-09	1.14E-03	4.44E-04	5.44E-04	7.07E-04	6.91E-04	2.81E-02
537	489628.13	3861308.47	0.00538	0.00446	0.0028	0.04216	0.00222	0.00841	0.00438	0.00446	2.58E-02	1.90E-04	6.72E-09	1.02E-03	4.79E-04	5.44E-04	7.15E-04	6.99E-04	2.81E-02
538	489678.13	3861308.47	0.00539	0.0045	0.00279	0.03829	0.00239	0.00843	0.00443	0.0045	2.59E-02	1.91E-04	6.69E-09	9.28E-04	5.15E-04	5.45E-04	7.23E-04	7.05E-04	2.81E-02
539	489728.13	3861308.47	0.00539	0.00456	0.00276	0.03514	0.00256	0.00844	0.00449	0.00456	2.59E-02	1.94E-04	6.62E-09	8.51E-04	5.52E-04	5.46E-04	7.33E-04	7.14E-04	2.80E-02
540	489778.13	3861308.47	0.00539	0.00461	0.0027	0.03254	0.00274	0.00844	0.00454	0.00461	2.59E-02	1.96E-04	6.48E-09	7.88E-04	5.91E-04	5.46E-04	7.41E-04	7.22E-04	2.80E-02
541	489678.13	3861358.47	0.00508	0.00441	0.00271	0.03813	0.00226	0.00797	0.00434	0.00441	2.44E-02	1.88E-04	6.50E-09	9.24E-04	4.87E-04	5.16E-04	7.08E-04	6.91E-04	2.65E-02
542	489728.13	3861358.47	0.00509	0.00445	0.00267	0.03499	0.00243	0.00798	0.00439	0.00445	2.44E-02	1.89E-04	6.40E-09	8.48E-04	5.24E-04	5.16E-04	7.17E-04	6.97E-04	2.65E-02
543	489528.13	3861408.47	0.00476	0.00419	0.00258	0.05317	0.00172	0.00756	0.0041	0.00419	2.28E-02	1.78E-04	6.19E-09	1.29E-03	3.71E-04	4.89E-04	6.69E-04	6.56E-04	2.52E-02
544	489578.13	3861408.47	0.00478	0.00423	0.00262	0.04677	0.00184	0.00756	0.00415	0.00423	2.29E-02	1.80E-04	6.28E-09	1.13E-03	3.97E-04	4.89E-04	6.77E-04	6.63E-04	2.52E-02
545	489628.13	3861408.47	0.0048	0.00427	0.00264	0.04188	0.00199	0.00758	0.0042	0.00427	2.30E-02	1.82E-04	6.33E-09	1.01E-03	4.29E-04	4.90E-04	6.86E-04	6.69E-04	2.52E-02
546	489678.13	3861408.47	0.00482	0.00431	0.00263	0.03799	0.00214	0.00758	0.00424	0.00431	2.31E-02	1.83E-04	6.31E-09	9.20E-04	4.62E-04	4.90E-04	6.92E-04	6.75E-04	2.52E-02
547	489728.13	3861408.47	0.00482	0.00436	0.00259	0.03484	0.0023	0.00758	0.00429	0.00436	2.31E-02	1.86E-04	6.21E-09	8.44E-04	4.96E-04	4.90E-04	7.00E-04	6.83E-04	2.52E-02
548	489528.13	3861458.47	0.00452	0.00411	0.00252	0.05306	0.00163	0.00724	0.00402	0.00411	2.17E-02	1.75E-04	6.04E-09	1.29E-03	3.52E-04	4.68E-04	6.56E-04	6.44E-04	2.40E-02
549	489578.13	3861458.47	0.00455	0.00415	0.00256	0.04664	0.00175	0.00724	0.00406	0.00415	2.18E-02	1.77E-04	6.14E-09	1.13E-03	3.77E-04	4.68E-04	6.63E-04	6.50E-04	2.40E-02
550	489628.13	3861458.47	0.00457	0.00419	0.00257	0.04173	0.00188	0.00724	0.00411	0.00419	2.19E-02	1.78E-04	6.16E-09	1.01E-03	4.05E-04	4.68E-04	6.71E-04	6.56E-04	2.40E-02
551	489678.13	3861458.47	0.00458	0.00423	0.00255	0.03785	0.00203	0.00724	0.00416	0.00423	2.20E-02	1.80E-04	6.12E-09	9.17E-04	4.38E-04	4.68E-04	6.79E-04	6.63E-04	2.40E-02
552	489728.13	3861458.47	0.00459	0.00427	0.00251	0.03469	0.00218	0.00723	0.0042	0.00427	2.20E-02	1.82E-04	6.02E-09	8.40E-04	4.70E-04	4.68E-04	6.86E-04	6.69E-04	2.40E-02
553	489528.13	3861508.47	0.00431	0.00403	0.00247	0.05292	0.00155	0.00695	0.00394	0.00403	2.07E-02	1.71E-04	5.92E-09	1.28E-03	3.34E-04	4.50E-04	6.43E-04	6.31E-04	2.29E-02
554	489578.13	3861508.47	0.00434	0.00407	0.00249	0.0465	0.00166	0.00695	0.00398	0.00407	2.08E-02	1.73E-04	5.97E-09	1.13E-03	3.58E-04	4.50E-04	6.50E-04	6.38E-04	2.29E-02
555	489628.13	3861508.47	0.00435	0.00411	0.0025	0.04158	0.00178	0.00695	0.00403	0.00411	2.09E-02	1.75E-04	6.00E-09	1.01E-03	3.84E-04	4.50E-04	6.58E-04	6.44E-04	2.29E-02
556	489678.13	3861508.47	0.00437	0.00414	0.00248	0.0377	0.00192	0.00694	0.00407	0.00414	2.10E-02	1.76E-04	5.95E-09	9.13E-04	4.14E-04	4.49E-04	6.64E-04	6.49E-04	2.29E-02
557	489728.13	3861508.47	0.00438	0.00418	0.00244	0.03455	0.00206	0.00693	0.00412	0.00418	2.10E-02	1.78E-04	5.85E-09	8.37E-04	4.44E-04	4.48E-04	6.73E-04	6.55E-04	2.29E-02
558	489628.13	3861558.47	0.00417	0.00403	0.00244	0.04145	0.00169	0.00669	0.00395	0.00403	2.00E-02	1.71E-04	5.85E-09	1.00E-03	3.64E-04	4.33E-04	6.45E-04	6.31E-04	2.20E-02
559	489678.13	3861558.47	0.00418	0.00407	0.00242	0.03757	0.00182	0.0067	0.00399	0.00407	2.01E-02	1.73E-04	5.80E-09	9.10E-04	3.93E-04	4.34E-04	6.51E-04	6.38E-04	2.20E-02
560	489728.13	3861558.47	0.00419	0.00411	0.00238	0.03445	0.00196	0.00669	0.00404	0.00411	2.01E-02	1.75E-04	5.71E-09	8.35E-04	4.23E-04	4.33E-04	6.59E-04	6.44E-04	2.20E-02
561	489357.08	3861015.81	0.0084	0.0048	0.0032	0.10836	0.00207	0.01299	0.00468	0.0048	4.03E-02	2.04E-04	7.67E-09	2.63E-03	4.46E-04	8.40E-04	7.64E-04	7.52E-04	4.44E-02
562	489407.08	3861015.81	0.00844	0.00485	0.00316	0.0832	0.00222	0.01288	0.00474	0.00485	4.05E-02	2.06E-04	7.58E-09	2.02E-03	4.79E-04	8.33E-04	7.74E-04	7.60E-04	4.41E-02
563	489457.08	3861015.81	0.00846	0.0049	0.00317	0.068	0.00239	0.01278	0.0048	0.0049	4.06E-02	2.08E-04	7.60E-09	1.65E-03	5.15E-04	8.27E-04	7.83E-04	7.68E-04	4.38E-02
564	489357.08	3861065.81	0.00759	0.0047	0.00308	0.10819	0.00197	0.01191	0.00458	0.0047	3.64E-02	2.00E-04	7.39E-09	2.62E-03	4.25E-04	7.71E-04	7.48E-04	7.36E-04	4.05E-02
565	489407.08	3861065.81	0.00764	0.00474	0.00304	0.08316	0.0021	0.01185	0.00463	0.00474	3.67E-02	2.02E-04	7.29E-09	2.01E-03	4.53E-04	7.67E-04	7.56E-04	7.43E-04	4.01E-02
566	489457.08	3861065.81	0.00767	0.00479	0.00306	0.06794	0.00226	0.01179	0.00469	0.00479	3.68E-02	2.04E-04	7.34E-09	1.65E-03	4.87E-04	7.63E-04	7.66E-04	7.50E-04	3.99E-02

567	489357.08	3861115.81	0.00692	0.0046	0.00296	0.10783	0.00187	0.01097	0.00448	0.0046	3.32E-02	1.96E-04	7.10E-09	2.61E-03	4.03E-04	7.10E-04	7.31E-04	7.21E-04	3.71E-02
568	489407.08	3861115.81	0.00698	0.00464	0.00294	0.08297	0.002	0.01095	0.00454	0.00464	3.35E-02	1.97E-04	7.05E-09	2.01E-03	4.31E-04	7.08E-04	7.41E-04	7.27E-04	3.69E-02
569	489457.08	3861115.81	0.00702	0.00469	0.00297	0.06779	0.00214	0.01093	0.00459	0.00469	3.37E-02	2.00E-04	7.12E-09	1.64E-03	4.62E-04	7.07E-04	7.49E-04	7.35E-04	3.67E-02
570	489407.08	3861165.81	0.00642	0.00454	0.00285	0.08247	0.0019	0.01017	0.00444	0.00454	3.08E-02	1.93E-04	6.84E-09	2.00E-03	4.10E-04	6.58E-04	7.25E-04	7.11E-04	3.41E-02
571	489457.08	3861165.81	0.00646	0.00459	0.00288	0.06754	0.00203	0.01015	0.00449	0.00459	3.10E-02	1.95E-04	6.91E-09	1.64E-03	4.38E-04	6.57E-04	7.33E-04	7.19E-04	3.39E-02
572	489407.08	3861215.81	0.00594	0.00444	0.00274	0.08264	0.00179	0.00943	0.00434	0.00444	2.85E-02	1.89E-04	6.57E-09	2.00E-03	3.86E-04	6.10E-04	7.08E-04	6.96E-04	3.17E-02
573	489457.08	3861215.81	0.00599	0.00448	0.00278	0.06747	0.00191	0.00944	0.00439	0.00448	2.87E-02	1.91E-04	6.67E-09	1.63E-03	4.12E-04	6.11E-04	7.17E-04	7.02E-04	3.16E-02
574	489407.08	3861265.81	0.00554	0.00434	0.00265	0.08209	0.0017	0.0088	0.00424	0.00434	2.66E-02	1.85E-04	6.36E-09	1.99E-03	3.67E-04	5.69E-04	6.92E-04	6.80E-04	2.97E-02
575	489457.08	3861265.81	0.00558	0.00438	0.0027	0.06713	0.00181	0.00882	0.00429	0.00438	2.68E-02	1.86E-04	6.48E-09	1.63E-03	3.90E-04	5.71E-04	7.00E-04	6.86E-04	2.96E-02
576	489309.86	3861110.14	0.00693	0.00456	0.00303	0.15187	0.00178	0.01107	0.00444	0.00456	3.33E-02	1.94E-04	7.27E-09	3.68E-03	3.84E-04	7.16E-04	7.25E-04	7.14E-04	3.82E-02
577	489407.08	3861315.81	0.0052	0.00425	0.00258	0.08192	0.00162	0.0083	0.00415	0.00425	2.50E-02	1.81E-04	6.19E-09	1.98E-03	3.49E-04	5.37E-04	6.77E-04	6.66E-04	2.80E-02
578	489457.08	3861315.81	0.00524	0.00429	0.00262	0.06697	0.00172	0.00831	0.0042	0.00429	2.51E-02	1.83E-04	6.28E-09	1.62E-03	3.71E-04	5.38E-04	6.86E-04	6.72E-04	2.79E-02
579	488906.03	3861006.75	0.00806	0.00443	0.00409	0.02287	0.00164	0.01387	0.00426	0.00443	3.87E-02	1.88E-04	9.81E-09	5.54E-04	3.54E-04	8.97E-04	6.95E-04	6.94E-04	4.07E-02
580	488956.03	3861006.75	0.00811	0.00447	0.00407	0.02671	0.00165	0.01383	0.00431	0.00447	3.89E-02	1.90E-04	9.76E-09	6.47E-04	3.56E-04	8.95E-04	7.04E-04	7.00E-04	4.10E-02
581	488904.24	3861051.87	0.00732	0.00436	0.00408	0.02166	0.00163	0.01243	0.00419	0.00436	3.51E-02	1.86E-04	9.79E-09	5.25E-04	3.52E-04	8.04E-04	6.84E-04	6.83E-04	3.70E-02
582	488954.24	3861051.87	0.00734	0.00439	0.00396	0.02592	0.00162	0.01247	0.00423	0.00439	3.52E-02	1.87E-04	9.50E-09	6.28E-04	3.49E-04	8.07E-04	6.90E-04	6.88E-04	3.72E-02
583	489004.24	3861051.87	0.00741	0.00444	0.00391	0.03093	0.00163	0.01245	0.00428	0.00444	3.56E-02	1.89E-04	9.38E-09	7.49E-04	3.52E-04	8.06E-04	6.99E-04	6.96E-04	3.77E-02
584	488804.24	3861101.87	0.00651	0.0042	0.00387	0.01735	0.00158	0.01137	0.00402	0.0042	3.12E-02	1.79E-04	9.28E-09	4.20E-04	3.41E-04	7.36E-04	6.56E-04	6.58E-04	3.29E-02
585	488854.24	3861101.87	0.00656	0.00424	0.0039	0.01922	0.00159	0.01133	0.00407	0.00424	3.15E-02	1.80E-04	9.35E-09	4.66E-04	3.43E-04	7.33E-04	6.64E-04	6.64E-04	3.32E-02
586	488904.24	3861101.87	0.00657	0.00426	0.00378	0.02255	0.00157	0.01131	0.0041	0.00426	3.15E-02	1.81E-04	9.07E-09	5.46E-04	3.39E-04	7.32E-04	6.69E-04	6.67E-04	3.33E-02
587	488954.24	3861101.87	0.00661	0.0043	0.00369	0.02672	0.00156	0.01127	0.00414	0.0043	3.17E-02	1.83E-04	8.85E-09	6.47E-04	3.36E-04	7.29E-04	6.76E-04	6.74E-04	3.36E-02
588	489004.24	3861101.87	0.00666	0.00433	0.00361	0.03289	0.00156	0.01127	0.00418	0.00433	3.20E-02	1.84E-04	8.66E-09	7.97E-04	3.36E-04	7.29E-04	6.82E-04	6.78E-04	3.40E-02
589	488804.24	3861151.87	0.00592	0.00411	0.00363	0.01765	0.00152	0.01041	0.00393	0.00411	2.84E-02	1.75E-04	8.71E-09	4.28E-04	3.28E-04	6.74E-04	6.41E-04	6.44E-04	3.00E-02
590	488854.24	3861151.87	0.00595	0.00414	0.00361	0.0198	0.00152	0.01037	0.00397	0.00414	2.86E-02	1.76E-04	8.66E-09	4.80E-04	3.28E-04	6.71E-04	6.48E-04	6.49E-04	3.02E-02
591	489129.49	3861187.55	0.0059	0.00427	0.00313	0.08983	0.0015	0.00975	0.00413	0.00427	2.83E-02	1.82E-04	7.51E-09	2.18E-03	3.24E-04	6.31E-04	6.74E-04	6.69E-04	3.16E-02
592	489179.49	3861187.55	0.00595	0.00431	0.00304	0.24351	0.00152	0.00975	0.00417	0.00431	2.86E-02	1.83E-04	7.29E-09	5.90E-03	3.28E-04	6.31E-04	6.81E-04	6.75E-04	3.56E-02
593	488804.24	3861201.87	0.00548	0.00403	0.00349	0.01752	0.00149	0.00966	0.00386	0.00403	2.63E-02	1.71E-04	8.37E-09	4.24E-04	3.21E-04	6.25E-04	6.30E-04	6.31E-04	2.78E-02
594	488854.24	3861201.87	0.0055	0.00406	0.00345	0.0197	0.00149	0.00961	0.00389	0.00406	2.64E-02	1.73E-04	8.27E-09	4.77E-04	3.21E-04	6.22E-04	6.35E-04	6.36E-04	2.80E-02
595	489129.49	3861237.55	0.00549	0.00419	0.00302	0.08938	0.00146	0.00913	0.00405	0.00419	2.63E-02	1.78E-04	7.24E-09	2.17E-03	3.15E-04	5.91E-04	6.61E-04	6.56E-04	2.96E-02
596	489179.49	3861237.55	0.00554	0.00422	0.00293	0.2461	0.00147	0.00911	0.00409	0.00422	2.66E-02	1.80E-04	7.03E-09	5.96E-03	3.17E-04	5.89E-04	6.68E-04	6.61E-04	3.36E-02
597	488804.24	3861251.87	0.0051	0.00396	0.00336	0.0174	0.00146	0.00903	0.00379	0.00396	2.45E-02	1.68E-04	8.06E-09	4.22E-04	3.15E-04	5.84E-04	6.19E-04	6.20E-04	2.60E-02
598	488854.24	3861251.87	0.00513	0.00398	0.00331	0.0196	0.00146	0.009	0.00382	0.00398	2.46E-02	1.69E-04	7.94E-09	4.75E-04	3.15E-04	5.82E-04	6.24E-04	6.23E-04	2.62E-02
599	488804.24	3861301.87	0.00478	0.00388	0.00322	0.01731	0.00143	0.00846	0.00371	0.00388	2.29E-02	1.65E-04	7.72E-09	4.19E-04	3.08E-04	5.47E-04	6.06E-04	6.08E-04	2.44E-02
600	488854.24	3861301.87	0.00481	0.00391	0.00318	0.0195	0.00143	0.00846	0.00375	0.00391	2.31E-02	1.66E-04	7.63E-09	4.72E-04	3.08E-04	5.47E-04	6.12E-04	6.13E-04	2.46E-02
601	490943.5	3860181.97	0.0201	0.03132	0.00833	0.0358	0.00442	0.02961	0.03121	0.03132	9.65E-02	1.33E-03	2.00E-08	8.67E-04	9.53E-04	1.92E-03	5.09E-03	4.91E-03	1.02E-01
602	490993.5	3860181.97	0.02054	0.03531	0.00836	0.03672	0.00444	0.0304	0.03533	0.03531	9.86E-02	1.50E-03	2.01E-08	8.90E-04	9.58E-04	1.97E-03	5.77E-03	5.53E-03	1.04E-01
603	491043.5	3860181.97	0.02128	0.04077	0.00841	0.03776	0.00445	0.03131	0.04101	0.04077	1.02E-01	1.73E-03	2.02E-08	9.15E-04	9.60E-04	2.03E-03	6.69E-03	6.39E-03	1.08E-01
604	491093.5	3860181.97	0.02256	0.04856	0.00846	0.03881	0.00445	0.03227	0.04918	0.04856	1.08E-01	2.07E-03	2.03E-08	9.40E-04	9.60E-04	2.09E-03	8.03E-03	7.61E-03	1.15E-01
605	490943.5	3860231.97	0.0187	0.02644	0.00759	0.0318	0.00428	0.02675	0.02627	0.02644	8.97E-02	1.12E-03	1.82E-08	7.70E-04	9.23E-04	1.73E-03	4.29E-03	4.14E-03	9.44E-02
606	490993.5	3860231.97	0.01895	0.02938	0.00762	0.03245	0.00431	0.02737	0.02929	0.02938	9.09E-02	1.25E-03	1.83E-08	7.86E-04	9.30E-04	1.77E-03	4.78E-03	4.60E-03	9.59E-02
607	491043.5	3860231.97	0.01936	0.03297	0.00762	0.03294	0.00431	0.0279	0.03298	0.03297	9.29E-02	1.40E-03	1.83E-08	7.98E-04	9.30E-04	1.81E-03	5.38E-03	5.16E-03	9.81E-02
608	491093.5	3860231.97	0.0201	0.03783	0.00763	0.03349	0.00431	0.02851	0.03799	0.03783	9.65E-02	1.61E-03	1.83E-08	8.11E-04	9.30E-04	1.84E-03	6.20E-03	5.93E-03	1.02E-01
609	490943.5	3860281.97	0.01752	0.02295	0.00699	0.02874	0.00414	0.02453	0.02274	0.02295	8.41E-02	9.76E-04	1.68E-08	6.96E-04	8.93E-04	1.59E-03	3.71E-03	3.60E-03	8.83E-02
610	490993.5	3860281.97	0.01762	0.02512	0.00699	0.02909	0.00416	0.02495	0.02495	0.02512	8.46E-02	1.07E-03	1.68E-08	7.05E-04	8.97E-04	1.61E-03	4.07E-03	3.94E-03	8.90E-02
611	491043.5	3860281.97	0.01782	0.02773	0.00698	0.02937	0.00418	0.02533	0.0276	0.02773	8.55E-02	1.18E-03	1.67E-08	7.12E-04	9.02E-04	1.64E-03	4.51E-03	4.34E-03	9.01E-02
612	491093.5	3860281.97	0.01819	0.03109	0.00698	0.02966	0.00419	0.02575	0.03101	0.03109	8.73E-02	1.32E-03	1.67E-08	7.19E-04	9.04E-04	1.67E-03	5.06E-03	4.87E-03	9.21E-02
613	490943.5	3860331.97	0.01645	0.02032	0.00652	0.02637	0.00401	0.02275	0.02009	0.02032	7.89E-02	8.65E-04	1.56E-08	6.39E-04	8.65E-04	1.47E-03	3.28E-03	3.18E-03	8.29E-02
614	490993.5	3860331.97	0.01643	0.02192	0.00646	0.02646	0.00402	0.02296	0.0217	0.02192	7.88E-02	9.33E-04	1.55E-08	6.41E-04	8.67E-04	1.49E-03	3.54E-03	3.43E-03	8.29E-02
615	491043.5	3860331.97	0.0165	0.02388	0.00643	0.02658	0.00403	0.02322	0.02367	0.02388	7.92E-02	1.02E-03	1.54E-08	6.44E-04	8.69E-04	1.50E-03	3.86E-03	3.74E-03	8.33E-02
616	491093.5	3860331.97	0.01665	0.02634	0.00642	0.02673	0.00405	0.02353	0.02613	0.02634	7.99E-02	1.12E-03	1.54E-08	6.48E-04	8.73E-04	1.52E-03	4.27E-03	4.13E-03	8.42E-02
617	490086.72	3859935.12	0.0282	0.02017	0.01687	0.04164	0.00586	0.03162	0.01978	0.02017	1.35E-01	8.58E-04	4.05E-08	1.01E-03	1.26E-03	2.05E-03	3.23E-03	3.16E-03	1.41E-01
618	490136.72	3859935.12	0.02764	0.02145	0.01682	0.04181	0.0057	0.03195	0.02105	0.02145	1.33E-01	9.13E-04	4.03E-08	1.01E-03	1.23E-03	2.07E-03	3.44E-03	3.36E-03	1.38E-01
619	490186.72	3859935.12	0.02714	0.02291	0.01667	0.04223	0.00555	0.03242	0.02249	0.02291	1.30E-01	9.75E-04	4.00E-08	1.02E-03	1.20E-03	2.10E-03	3.67E-03	3.59E-03	1.36E-01
620	490236.72	3859935.12	0.02671	0.02458	0.0165	0.04289	0.00544	0.03302	0.02413	0.02458	1.28E-01	1.05E-03	3.96E-08	1.04E-03	1.17E-03	2.14E-03	3.94E-03	3.85E-03	1.34E-01
621	490286.72	3859935.12	0.02633	0.02648	0.01627	0.04376	0.00534	0.03374	0.02599	0.02648	1.26E-01	1.13E-03	3.90E-08	1.06E-03	1.15E-03	2.18E-03	4.24E-03	4.15E-03	1.32E-01
622	490336.72	3859935.12	0.02602	0.02869	0.01598	0.0449	0.00526	0.03465	0.02816	0.02869	1.25E-01	1.22E-03	3.83E-08	1.09E-03	1.13E-03	2.24E-03	4.60E-03	4.49E-03	1.31E-01
623	490386.72	3859935.12	0.02579	0.03137	0.01569	0.04643	0.00521	0.0358	0.03078	0.03137	1.24E-01	1.33E-03	3.76E-08	1.12E-03	1.12E-03	2.32E-03	5.02E-03	4.91E-03	1.30E-01

624	490436.72	3859935.12	0.02565	0.03457	0.01543	0.04832	0.00518	0.03722	0.03392	0.03457	1.23E-01	1.47E-03	3.70E-08	1.17E-03	1.12E-03	2.41E-03	5.54E-03	5.42E-03	1.29E-01
625	490486.72	3859935.12	0.02562	0.03856	0.0153	0.05075	0.00516	0.039	0.0378	0.03856	1.23E-01	1.64E-03	3.67E-08	1.23E-03	1.11E-03	2.52E-03	6.17E-03	6.04E-03	1.30E-01
626	490536.72	3859935.12	0.02577	0.04399	0.01537	0.05411	0.00517	0.04142	0.04306	0.04399	1.24E-01	1.87E-03	3.69E-08	1.31E-03	1.12E-03	2.68E-03	7.03E-03	6.89E-03	1.31E-01
627	490586.72	3859935.12	0.0261	0.05127	0.01556	0.05846	0.0052	0.04458	0.05004	0.05127	1.25E-01	2.18E-03	3.73E-08	1.42E-03	1.12E-03	2.88E-03	8.17E-03	8.03E-03	1.33E-01
628	490636.72	3859935.12	0.02665	0.06072	0.01576	0.06365	0.00522	0.04845	0.05897	0.06072	1.28E-01	2.58E-03	3.78E-08	1.54E-03	1.13E-03	3.13E-03	9.63E-03	9.51E-03	1.36E-01
629	490686.72	3859935.12	0.02766	0.07531	0.01615	0.07108	0.00526	0.05407	0.07259	0.07531	1.33E-01	3.20E-03	3.87E-08	1.72E-03	1.13E-03	3.50E-03	1.18E-02	1.18E-02	1.42E-01
630	490736.72	3859935.12	0.02935	0.09631	0.0165	0.08034	0.00529	0.06141	0.09191	0.09631	1.41E-01	4.10E-03	3.96E-08	1.95E-03	1.14E-03	3.97E-03	1.50E-02	1.51E-02	1.52E-01
631	490086.72	3859985.12	0.02764	0.01771	0.01445	0.03932	0.00583	0.03009	0.01736	0.01771	1.33E-01	7.54E-04	3.47E-08	9.53E-04	1.26E-03	1.95E-03	2.83E-03	2.77E-03	1.38E-01
632	490136.72	3859985.12	0.02702	0.01865	0.01451	0.03922	0.00565	0.03024	0.01829	0.01865	1.30E-01	7.94E-04	3.48E-08	9.50E-04	1.22E-03	1.96E-03	2.99E-03	2.92E-03	1.35E-01
633	490186.72	3859985.12	0.02647	0.01973	0.01446	0.03934	0.0055	0.03052	0.01936	0.01973	1.27E-01	8.39E-04	3.47E-08	9.53E-04	1.19E-03	1.97E-03	3.16E-03	3.09E-03	1.32E-01
634	490236.72	3859985.12	0.02598	0.02097	0.01438	0.0397	0.00537	0.03092	0.02057	0.02097	1.25E-01	8.92E-04	3.45E-08	9.62E-04	1.16E-03	2.00E-03	3.36E-03	3.28E-03	1.30E-01
635	490286.72	3859985.12	0.02554	0.0223	0.01425	0.04019	0.00525	0.03138	0.02188	0.0223	1.23E-01	9.49E-04	3.42E-08	9.74E-04	1.13E-03	2.03E-03	3.57E-03	3.49E-03	1.28E-01
636	490336.72	3859985.12	0.02514	0.02382	0.01409	0.04087	0.00516	0.03197	0.02336	0.02382	1.21E-01	1.01E-03	3.38E-08	9.90E-04	1.11E-03	2.07E-03	3.81E-03	3.73E-03	1.26E-01
637	490386.72	3859985.12	0.0248	0.0255	0.01384	0.04169	0.00508	0.03265	0.025	0.0255	1.19E-01	1.08E-03	3.32E-08	1.01E-03	1.10E-03	2.11E-03	4.08E-03	3.99E-03	1.24E-01
638	490436.72	3859985.12	0.02454	0.02752	0.01358	0.04283	0.00503	0.03355	0.02697	0.02752	1.18E-01	1.17E-03	3.26E-08	1.04E-03	1.08E-03	2.17E-03	4.40E-03	4.31E-03	1.23E-01
639	490486.72	3859985.12	0.02438	0.02995	0.01336	0.04431	0.005	0.03467	0.02935	0.02995	1.17E-01	1.27E-03	3.20E-08	1.07E-03	1.08E-03	2.24E-03	4.79E-03	4.69E-03	1.23E-01
640	490536.72	3859985.12	0.02432	0.03299	0.01326	0.04627	0.005	0.0361	0.03232	0.03299	1.17E-01	1.40E-03	3.18E-08	1.12E-03	1.08E-03	2.34E-03	5.28E-03	5.17E-03	1.23E-01
641	490586.72	3859985.12	0.0244	0.03681	0.01327	0.04875	0.00501	0.03791	0.03603	0.03681	1.17E-01	1.57E-03	3.18E-08	1.18E-03	1.08E-03	2.45E-03	5.88E-03	5.77E-03	1.23E-01
642	490636.72	3859985.12	0.02464	0.0417	0.01337	0.05187	0.00503	0.0402	0.04073	0.0417	1.18E-01	1.77E-03	3.21E-08	1.26E-03	1.08E-03	2.60E-03	6.65E-03	6.53E-03	1.25E-01
643	490686.72	3859985.12	0.02515	0.04829	0.0136	0.05601	0.00507	0.04324	0.04703	0.04829	1.21E-01	2.05E-03	3.26E-08	1.36E-03	1.09E-03	2.80E-03	7.68E-03	7.56E-03	1.28E-01
644	490736.72	3859985.12	0.02595	0.05649	0.01377	0.06038	0.00509	0.04657	0.05476	0.05649	1.25E-01	2.40E-03	3.30E-08	1.46E-03	1.10E-03	3.01E-03	8.94E-03	8.85E-03	1.33E-01
645	490786.72	3859985.12	0.02746	0.06801	0.01396	0.06565	0.00511	0.05066	0.06545	0.06801	1.32E-01	2.89E-03	3.35E-08	1.59E-03	1.10E-03	3.28E-03	1.07E-02	1.07E-02	1.41E-01
646	490086.72	3860035.12	0.0271	0.01583	0.0125	0.03742	0.0058	0.02882	0.01551	0.01583	1.30E-01	6.74E-04	3.00E-08	9.07E-04	1.25E-03	1.86E-03	2.53E-03	2.48E-03	1.35E-01
647	490136.72	3860035.12	0.02644	0.01657	0.01268	0.03714	0.00562	0.02886	0.01624	0.01657	1.27E-01	7.05E-04	3.04E-08	9.00E-04	1.21E-03	1.87E-03	2.65E-03	2.60E-03	1.32E-01
648	490186.72	3860035.12	0.02583	0.01739	0.01268	0.03702	0.00545	0.02898	0.01705	0.01739	1.24E-01	7.40E-04	3.04E-08	8.97E-04	1.18E-03	1.88E-03	2.78E-03	2.72E-03	1.29E-01
649	490236.72	3860035.12	0.02529	0.0183	0.01262	0.03707	0.0053	0.02918	0.01794	0.0183	1.21E-01	7.79E-04	3.03E-08	8.98E-04	1.14E-03	1.89E-03	2.93E-03	2.87E-03	1.26E-01
650	490286.72	3860035.12	0.02479	0.01928	0.01253	0.03725	0.00517	0.02946	0.01891	0.01928	1.19E-01	8.20E-04	3.01E-08	9.02E-04	1.12E-03	1.91E-03	3.09E-03	3.02E-03	1.24E-01
651	490336.72	3860035.12	0.02437	0.02043	0.01247	0.03766	0.00507	0.02985	0.02002	0.02043	1.17E-01	8.69E-04	2.99E-08	9.12E-04	1.09E-03	1.93E-03	3.27E-03	3.20E-03	1.22E-01
652	490386.72	3860035.12	0.02397	0.02162	0.01232	0.0381	0.00498	0.03027	0.02119	0.02162	1.15E-01	9.20E-04	2.95E-08	9.23E-04	1.07E-03	1.96E-03	3.46E-03	3.39E-03	1.20E-01
653	490436.72	3860035.12	0.02364	0.02302	0.01214	0.03876	0.00491	0.03083	0.02255	0.02302	1.13E-01	9.79E-04	2.91E-08	9.39E-04	1.06E-03	1.99E-03	3.68E-03	3.61E-03	1.18E-01
654	490486.72	3860035.12	0.02339	0.02465	0.01194	0.03965	0.00486	0.03153	0.02414	0.02465	1.12E-01	1.05E-03	2.86E-08	9.61E-04	1.05E-03	2.04E-03	3.94E-03	3.86E-03	1.17E-01
655	490536.72	3860035.12	0.02323	0.02662	0.01178	0.04084	0.00484	0.03243	0.02607	0.02662	1.11E-01	1.13E-03	2.83E-08	9.89E-04	1.04E-03	2.10E-03	4.26E-03	4.17E-03	1.17E-01
656	490586.72	3860035.12	0.02315	0.02893	0.01166	0.04227	0.00484	0.03349	0.02834	0.02893	1.11E-01	1.23E-03	2.80E-08	1.02E-03	1.04E-03	2.17E-03	4.63E-03	4.53E-03	1.17E-01
657	490636.72	3860035.12	0.02317	0.0316	0.01157	0.04387	0.00483	0.03469	0.03096	0.0316	1.11E-01	1.34E-03	2.77E-08	1.06E-03	1.04E-03	2.24E-03	5.05E-03	4.95E-03	1.17E-01
658	490686.72	3860035.12	0.02336	0.03512	0.01163	0.04604	0.00485	0.03629	0.0344	0.03512	1.12E-01	1.49E-03	2.79E-08	1.12E-03	1.05E-03	2.35E-03	5.62E-03	5.50E-03	1.18E-01
659	490736.72	3860035.12	0.02378	0.03982	0.0118	0.04895	0.0049	0.03844	0.03898	0.03982	1.14E-01	1.69E-03	2.83E-08	1.19E-03	1.06E-03	2.49E-03	6.36E-03	6.24E-03	1.21E-01
660	490786.72	3860035.12	0.0244	0.04529	0.0119	0.05177	0.00491	0.04057	0.04432	0.04529	1.17E-01	1.93E-03	2.85E-08	1.25E-03	1.06E-03	2.62E-03	7.23E-03	7.09E-03	1.24E-01
661	490836.72	3860035.12	0.02535	0.05252	0.01202	0.05496	0.00493	0.04301	0.05144	0.05252	1.22E-01	2.23E-03	2.88E-08	1.33E-03	1.06E-03	2.78E-03	8.40E-03	8.23E-03	1.29E-01
662	490086.72	3860085.12	0.0266	0.01439	0.01099	0.03586	0.00581	0.02777	0.01409	0.01439	1.28E-01	6.12E-04	2.64E-08	8.69E-04	1.25E-03	1.80E-03	2.30E-03	2.25E-03	1.32E-01
663	490136.72	3860085.12	0.02585	0.01494	0.01118	0.03539	0.00559	0.02768	0.01463	0.01494	1.24E-01	6.36E-04	2.68E-08	8.57E-04	1.21E-03	1.79E-03	2.39E-03	2.34E-03	1.29E-01
664	490186.72	3860085.12	0.02522	0.01562	0.01128	0.03514	0.00543	0.02773	0.01531	0.01562	1.21E-01	6.65E-04	2.71E-08	8.51E-04	1.17E-03	1.79E-03	2.50E-03	2.45E-03	1.26E-01
665	490236.72	3860085.12	0.02463	0.01632	0.01123	0.03499	0.00527	0.02779	0.01601	0.01632	1.18E-01	6.94E-04	2.69E-08	8.48E-04	1.14E-03	1.80E-03	2.61E-03	2.56E-03	1.23E-01
666	490286.72	3860085.12	0.0241	0.01709	0.01116	0.03496	0.00512	0.02792	0.01676	0.01709	1.16E-01	7.27E-04	2.68E-08	8.47E-04	1.10E-03	1.81E-03	2.74E-03	2.68E-03	1.20E-01
667	490336.72	3860085.12	0.02362	0.01792	0.01107	0.03504	0.00499	0.02811	0.01757	0.01792	1.13E-01	7.62E-04	2.65E-08	8.49E-04	1.08E-03	1.82E-03	2.87E-03	2.81E-03	1.18E-01
668	490386.72	3860085.12	0.02319	0.01885	0.01099	0.03527	0.00489	0.02836	0.01847	0.01885	1.11E-01	8.02E-04	2.64E-08	8.54E-04	1.05E-03	1.83E-03	3.01E-03	2.95E-03	1.16E-01
669	490436.72	3860085.12	0.02282	0.01988	0.0109	0.03563	0.00481	0.0287	0.01948	0.01988	1.10E-01	8.46E-04	2.61E-08	8.63E-04	1.04E-03	1.86E-03	3.18E-03	3.11E-03	1.14E-01
670	490486.72	3860085.12	0.0225	0.02103	0.01077	0.03611	0.00474	0.02911	0.02061	0.02103	1.08E-01	8.95E-04	2.58E-08	8.75E-04	1.02E-03	1.88E-03	3.36E-03	3.29E-03	1.13E-01
671	490536.72	3860085.12	0.02227	0.02242	0.01063	0.03683	0.0047	0.02967	0.02197	0.02242	1.07E-01	9.54E-04	2.55E-08	8.92E-04	1.01E-03	1.92E-03	3.59E-03	3.51E-03	1.12E-01
672	490586.72	3860085.12	0.0221	0.02402	0.01049	0.03771	0.00468	0.03034	0.02355	0.02402	1.06E-01	1.02E-03	2.52E-08	9.14E-04	1.01E-03	1.96E-03	3.84E-03	3.76E-03	1.11E-01
673	490636.72	3860085.12	0.022	0.02584	0.01035	0.03869	0.00467	0.03109	0.02535	0.02584	1.06E-01	1.10E-03	2.48E-08	9.37E-04	1.01E-03	2.01E-03	4.14E-03	4.05E-03	1.11E-01
674	490686.72	3860085.12	0.02202	0.02808	0.0103	0.03995	0.00468	0.03204	0.02758	0.02808	1.06E-01	1.19E-03	2.47E-08	9.68E-04	1.01E-03	2.07E-03	4.50E-03	4.40E-03	1.11E-01
675	490736.72	3860085.12	0.02215	0.03084	0.01032	0.0415	0.0047	0.0332	0.03033	0.03084	1.06E-01	1.31E-03	2.48E-08	1.01E-03	1.01E-03	2.15E-03	4.95E-03	4.83E-03	1.12E-01
676	490786.72	3860085.12	0.02242	0.03422	0.01039	0.04327	0.00473	0.03454	0.03373	0.03422	1.08E-01	1.46E-03	2.49E-08	1.05E-03	1.02E-03	2.23E-03	5.51E-03	5.36E-03	1.13E-01
677	490836.72	3860085.12	0.0228	0.03827	0.01044	0.04507	0.00474	0.03593	0.03782	0.03827	1.09E-01	1.63E-03	2.50E-08	1.09E-03	1.02E-03	2.32E-03	6.17E-03	6.00E-03	1.16E-01
678	490086.72	3860135.12	0.02594	0.01311	0.00955	0.0344	0.00574	0.02671	0.01281	0.01311	1.24E-01	5.58E-04	2.29E-08	8.33E-04	1.24E-03	1.73E-03	2.09E-03	2.05E-03	1.29E-01
679	490136.72	3860135.12	0.02521	0.01361	0.00991	0.03389	0.00557	0.02662	0.01332	0.01361	1.21E-01	5.79E-04	2.38E-08	8.21E-04	1.20E-03	1.72E-03	2.17E-03	2.13E-03	1.25E-01
680	490186.72	3860135.12	0.02456	0.01417	0.01006	0.03351	0.0054	0.02659	0.01388	0.01417	1.18E-01	6.03E-04	2.41E-08	8.12E-04	1.16E-03	1.72E-03	2.27E-03	2.22E-03	1.22E-01

681	490236.72	3860135.12	0.02394	0.01474	0.01005	0.03321	0.00523	0.02657	0.01445	0.01474	1.15E-01	6.27E-04	2.41E-08	8.05E-04	1.13E-03	1.72E-03	2.36E-03	2.31E-03	1.19E-01
682	490286.72	3860135.12	0.02339	0.01537	0.01	0.03304	0.00508	0.0266	0.01508	0.01537	1.12E-01	6.54E-04	2.40E-08	8.00E-04	1.10E-03	1.72E-03	2.46E-03	2.41E-03	1.17E-01
683	490336.72	3860135.12	0.02289	0.01604	0.00994	0.03298	0.00495	0.02668	0.01574	0.01604	1.10E-01	6.82E-04	2.38E-08	7.99E-04	1.07E-03	1.73E-03	2.57E-03	2.51E-03	1.14E-01
684	490386.72	3860135.12	0.02243	0.01677	0.00987	0.03301	0.00482	0.02679	0.01646	0.01677	1.08E-01	7.14E-04	2.37E-08	8.00E-04	1.04E-03	1.73E-03	2.69E-03	2.63E-03	1.12E-01
685	490436.72	3860135.12	0.02202	0.01756	0.00981	0.03313	0.00472	0.02696	0.01723	0.01756	1.06E-01	7.47E-04	2.35E-08	8.03E-04	1.02E-03	1.74E-03	2.81E-03	2.75E-03	1.10E-01
686	490486.72	3860135.12	0.02167	0.01846	0.00975	0.03339	0.00464	0.0272	0.01811	0.01846	1.04E-01	7.85E-04	2.34E-08	8.09E-04	1.00E-03	1.76E-03	2.96E-03	2.89E-03	1.08E-01
687	490536.72	3860135.12	0.02138	0.01951	0.00968	0.03382	0.00459	0.02755	0.01914	0.01951	1.03E-01	8.30E-04	2.32E-08	8.19E-04	9.90E-04	1.78E-03	3.12E-03	3.06E-03	1.07E-01
688	490586.72	3860135.12	0.02115	0.02068	0.00956	0.03432	0.00455	0.02796	0.02029	0.02068	1.01E-01	8.80E-04	2.29E-08	8.31E-04	9.81E-04	1.81E-03	3.31E-03	3.24E-03	1.06E-01
689	490636.72	3860135.12	0.02097	0.02202	0.00943	0.03492	0.00453	0.02844	0.02162	0.02202	1.01E-01	9.37E-04	2.26E-08	8.46E-04	9.77E-04	1.84E-03	3.53E-03	3.45E-03	1.05E-01
690	490686.72	3860135.12	0.02086	0.02357	0.00931	0.03561	0.00452	0.02899	0.02316	0.02357	1.00E-01	1.00E-03	2.23E-08	8.63E-04	9.75E-04	1.88E-03	3.78E-03	3.69E-03	1.05E-01
691	490736.72	3860135.12	0.02084	0.02542	0.00924	0.03647	0.00453	0.02967	0.02503	0.02542	1.00E-01	1.08E-03	2.22E-08	8.84E-04	9.77E-04	1.92E-03	4.09E-03	3.98E-03	1.05E-01
692	490786.72	3860135.12	0.02092	0.02772	0.00924	0.03756	0.00455	0.03051	0.02735	0.02772	1.00E-01	1.18E-03	2.22E-08	9.10E-04	9.81E-04	1.97E-03	4.46E-03	4.34E-03	1.06E-01
693	490836.72	3860135.12	0.02106	0.03037	0.00923	0.03861	0.00456	0.03136	0.03006	0.03037	1.01E-01	1.29E-03	2.21E-08	9.35E-04	9.83E-04	2.03E-03	4.91E-03	4.76E-03	1.06E-01
694	490086.72	3860185.12	0.02526	0.01209	0.00841	0.03317	0.00571	0.02578	0.01181	0.01209	1.21E-01	5.14E-04	2.02E-08	8.04E-04	1.23E-03	1.67E-03	1.93E-03	1.89E-03	1.25E-01
695	490136.72	3860185.12	0.02453	0.01253	0.00883	0.03259	0.00555	0.02567	0.01225	0.01253	1.18E-01	5.33E-04	2.12E-08	7.90E-04	1.20E-03	1.66E-03	2.00E-03	1.96E-03	1.22E-01
696	490186.72	3860185.12	0.02385	0.01299	0.00905	0.03212	0.00538	0.02557	0.01272	0.01299	1.14E-01	5.53E-04	2.17E-08	7.78E-04	1.16E-03	1.65E-03	2.08E-03	2.03E-03	1.19E-01
697	490236.72	3860185.12	0.02322	0.01347	0.00908	0.03173	0.00521	0.02549	0.0132	0.01347	1.11E-01	5.73E-04	2.18E-08	7.69E-04	1.12E-03	1.65E-03	2.15E-03	2.11E-03	1.16E-01
698	490286.72	3860185.12	0.02265	0.01399	0.00904	0.03144	0.00505	0.02544	0.01372	0.01399	1.09E-01	5.95E-04	2.17E-08	7.62E-04	1.09E-03	1.65E-03	2.24E-03	2.19E-03	1.13E-01
699	490336.72	3860185.12	0.02213	0.01454	0.00898	0.03124	0.0049	0.02542	0.01428	0.01454	1.06E-01	6.19E-04	2.15E-08	7.57E-04	1.06E-03	1.64E-03	2.33E-03	2.28E-03	1.10E-01
700	490386.72	3860185.12	0.02165	0.01514	0.00892	0.03114	0.00477	0.02545	0.01487	0.01514	1.04E-01	6.44E-04	2.14E-08	7.54E-04	1.03E-03	1.65E-03	2.43E-03	2.37E-03	1.08E-01
701	490436.72	3860185.12	0.02123	0.0158	0.00888	0.03113	0.00466	0.02552	0.01552	0.0158	1.02E-01	6.72E-04	2.13E-08	7.54E-04	1.01E-03	1.65E-03	2.53E-03	2.48E-03	1.06E-01
702	490486.72	3860185.12	0.02085	0.01652	0.00884	0.0312	0.00456	0.02563	0.01622	0.01652	1.00E-01	7.03E-04	2.12E-08	7.56E-04	9.83E-04	1.66E-03	2.65E-03	2.59E-03	1.04E-01
703	490536.72	3860185.12	0.02052	0.01734	0.00881	0.03139	0.00449	0.02582	0.01703	0.01734	9.85E-02	7.38E-04	2.11E-08	7.60E-04	9.68E-04	1.67E-03	2.78E-03	2.72E-03	1.03E-01
704	490586.72	3860185.12	0.02025	0.01827	0.00876	0.0317	0.00445	0.02608	0.01795	0.01827	9.72E-02	7.77E-04	2.10E-08	7.68E-04	9.60E-04	1.69E-03	2.93E-03	2.86E-03	1.01E-01
705	490636.72	3860185.12	0.02001	0.0193	0.00866	0.032	0.00441	0.02636	0.01896	0.0193	9.60E-02	8.21E-04	2.08E-08	7.75E-04	9.51E-04	1.71E-03	3.09E-03	3.02E-03	1.00E-01
706	490686.72	3860185.12	0.01985	0.02049	0.00856	0.03243	0.00439	0.02672	0.02015	0.02049	9.53E-02	8.72E-04	2.05E-08	7.86E-04	9.47E-04	1.73E-03	3.29E-03	3.21E-03	9.97E-02
707	490736.72	3860185.12	0.01972	0.02183	0.00844	0.03286	0.00438	0.0271	0.0215	0.02183	9.46E-02	9.29E-04	2.02E-08	7.96E-04	9.45E-04	1.75E-03	3.51E-03	3.42E-03	9.91E-02
708	490786.72	3860185.12	0.01967	0.02347	0.00837	0.03345	0.00439	0.0276	0.02316	0.02347	9.44E-02	9.99E-04	2.01E-08	8.10E-04	9.47E-04	1.79E-03	3.78E-03	3.68E-03	9.90E-02
709	490836.72	3860185.12	0.01969	0.02541	0.00833	0.03411	0.0044	0.02816	0.02514	0.02541	9.45E-02	1.08E-03	2.00E-08	8.26E-04	9.49E-04	1.82E-03	4.10E-03	3.98E-03	9.93E-02
710	490086.72	3860235.12	0.02452	0.01125	0.00748	0.03211	0.00568	0.02491	0.01099	0.01125	1.18E-01	4.79E-04	1.79E-08	7.78E-04	1.23E-03	1.61E-03	1.79E-03	1.76E-03	1.22E-01
711	490136.72	3860235.12	0.02377	0.01162	0.00789	0.03146	0.00552	0.02474	0.01136	0.01162	1.14E-01	4.94E-04	1.89E-08	7.62E-04	1.19E-03	1.60E-03	1.85E-03	1.82E-03	1.18E-01
712	490186.72	3860235.12	0.02309	0.01201	0.00816	0.03092	0.00536	0.02461	0.01176	0.01201	1.11E-01	5.11E-04	1.96E-08	7.49E-04	1.16E-03	1.59E-03	1.92E-03	1.88E-03	1.15E-01
713	490236.72	3860235.12	0.02245	0.01243	0.00826	0.03046	0.0052	0.02448	0.01218	0.01243	1.08E-01	5.29E-04	1.98E-08	7.38E-04	1.12E-03	1.58E-03	1.99E-03	1.95E-03	1.12E-01
714	490286.72	3860235.12	0.02187	0.01287	0.00824	0.03008	0.00503	0.02438	0.01262	0.01287	1.05E-01	5.48E-04	1.98E-08	7.29E-04	1.08E-03	1.58E-03	2.06E-03	2.02E-03	1.09E-01
715	490336.72	3860235.12	0.02134	0.01334	0.00819	0.02979	0.00488	0.02431	0.0131	0.01334	1.02E-01	5.68E-04	1.96E-08	7.22E-04	1.05E-03	1.57E-03	2.14E-03	2.09E-03	1.06E-01
716	490386.72	3860235.12	0.02086	0.01385	0.00814	0.02958	0.00474	0.02427	0.01361	0.01385	1.00E-01	5.89E-04	1.95E-08	7.17E-04	1.02E-03	1.57E-03	2.22E-03	2.17E-03	1.04E-01
717	490436.72	3860235.12	0.02042	0.01441	0.00809	0.02946	0.00462	0.02426	0.01416	0.01441	9.80E-02	6.13E-04	1.94E-08	7.14E-04	9.96E-04	1.57E-03	2.31E-03	2.26E-03	1.02E-01
718	490486.72	3860235.12	0.02003	0.015	0.00805	0.02939	0.00451	0.02429	0.01475	0.015	9.61E-02	6.38E-04	1.93E-08	7.12E-04	9.73E-04	1.57E-03	2.41E-03	2.35E-03	1.00E-01
719	490536.72	3860235.12	0.01968	0.01568	0.00804	0.02942	0.00442	0.02437	0.01541	0.01568	9.44E-02	6.67E-04	1.93E-08	7.13E-04	9.53E-04	1.58E-03	2.52E-03	2.46E-03	9.84E-02
720	490586.72	3860235.12	0.01938	0.01643	0.00802	0.02953	0.00435	0.0245	0.01615	0.01643	9.30E-02	6.99E-04	1.92E-08	7.15E-04	9.38E-04	1.59E-03	2.64E-03	2.57E-03	9.70E-02
721	490636.72	3860235.12	0.01912	0.01727	0.00798	0.02968	0.0043	0.02467	0.01698	0.01727	9.18E-02	7.35E-04	1.91E-08	7.19E-04	9.27E-04	1.60E-03	2.77E-03	2.71E-03	9.58E-02
722	490686.72	3860235.12	0.0189	0.01822	0.00791	0.02989	0.00427	0.02488	0.01793	0.01822	9.07E-02	7.75E-04	1.90E-08	7.24E-04	9.21E-04	1.61E-03	2.93E-03	2.85E-03	9.48E-02
723	490736.72	3860235.12	0.01874	0.01929	0.00782	0.03014	0.00425	0.02512	0.01901	0.01929	8.99E-02	8.21E-04	1.88E-08	7.30E-04	9.17E-04	1.63E-03	3.10E-03	3.02E-03	9.41E-02
724	490786.72	3860235.12	0.01861	0.02054	0.00772	0.03042	0.00425	0.02539	0.02025	0.02054	8.93E-02	8.74E-04	1.85E-08	7.37E-04	9.17E-04	1.64E-03	3.31E-03	3.22E-03	9.36E-02
725	490086.72	3860285.12	0.02368	0.01054	0.00671	0.03115	0.00564	0.02403	0.01029	0.01054	1.14E-01	4.48E-04	1.61E-08	7.55E-04	1.22E-03	1.55E-03	1.68E-03	1.65E-03	1.18E-01
726	490136.72	3860285.12	0.02294	0.01086	0.00709	0.03045	0.0055	0.02384	0.01061	0.01086	1.10E-01	4.62E-04	1.70E-08	7.38E-04	1.19E-03	1.54E-03	1.73E-03	1.70E-03	1.14E-01
727	490186.72	3860285.12	0.02225	0.01119	0.00739	0.02984	0.00534	0.02366	0.01095	0.01119	1.07E-01	4.76E-04	1.77E-08	7.23E-04	1.15E-03	1.53E-03	1.79E-03	1.75E-03	1.11E-01
728	490236.72	3860285.12	0.02163	0.01156	0.00755	0.02933	0.00519	0.02352	0.01132	0.01156	1.04E-01	4.92E-04	1.81E-08	7.11E-04	1.12E-03	1.52E-03	1.85E-03	1.81E-03	1.08E-01
729	490286.72	3860285.12	0.02104	0.01193	0.00756	0.02889	0.00502	0.02337	0.0117	0.01193	1.01E-01	5.08E-04	1.81E-08	7.00E-04	1.08E-03	1.51E-03	1.91E-03	1.87E-03	1.05E-01
730	490336.72	3860285.12	0.02051	0.01234	0.00752	0.02852	0.00486	0.02326	0.01212	0.01234	9.84E-02	5.25E-04	1.80E-08	6.91E-04	1.05E-03	1.50E-03	1.98E-03	1.93E-03	1.02E-01
731	490386.72	3860285.12	0.02004	0.01279	0.00748	0.02824	0.00472	0.02318	0.01257	0.01279	9.62E-02	5.44E-04	1.79E-08	6.84E-04	1.02E-03	1.50E-03	2.05E-03	2.00E-03	1.00E-01
732	490436.72	3860285.12	0.0196	0.01326	0.00742	0.02801	0.00458	0.02312	0.01304	0.01326	9.41E-02	5.64E-04	1.78E-08	6.79E-04	9.88E-04	1.50E-03	2.13E-03	2.08E-03	9.78E-02
733	490486.72	3860285.12	0.0192	0.01378	0.00739	0.02786	0.00446	0.02309	0.01356	0.01378	9.21E-02	5.86E-04	1.77E-08	6.75E-04	9.62E-04	1.49E-03	2.21E-03	2.16E-03	9.59E-02
734	490536.72	3860285.12	0.01884	0.01434	0.00736	0.02774	0.00436	0.02309	0.01412	0.01434	9.04E-02	6.10E-04	1.77E-08	6.72E-04	9.40E-04	1.49E-03	2.30E-03	2.25E-03	9.42E-02
735	490586.72	3860285.12	0.01852	0.01496	0.00735	0.0277	0.00428	0.02312	0.01473	0.01496	8.89E-02	6.37E-04	1.76E-08	6.71E-04	9.23E-04	1.50E-03	2.40E-03	2.34E-03	9.27E-02
736	490636.72	3860285.12	0.01824	0.01566	0.00734	0.02772	0.00421	0.0232	0.01542	0.01566	8.75E-02	6.66E-04	1.76E-08	6.72E-04	9.08E-04	1.50E-03	2.52E-03	2.45E-03	9.13E-02
737	490686.72	3860285.12	0.01801	0.01646	0.00732	0.02779	0.00417	0.02332	0.01621	0.01646	8.64E-02	7.00E-04	1.76E-08	6.73E-04	8.99E-04	1.51E-03	2.65E-03	2.58E-03	9.03E-02

738	490736.72	3860285.12	0.01781	0.01734	0.00727	0.02789	0.00414	0.02346	0.01709	0.01734	8.55E-02	7.38E-04	1.74E-08	6.76E-04	8.93E-04	1.52E-03	2.79E-03	2.72E-03	8.94E-02
739	490786.72	3860285.12	0.01765	0.01836	0.00719	0.02804	0.00413	0.02365	0.01811	0.01836	8.47E-02	7.81E-04	1.72E-08	6.79E-04	8.91E-04	1.53E-03	2.96E-03	2.88E-03	8.87E-02
740	490086.72	3860335.12	0.02273	0.00994	0.00607	0.03027	0.00559	0.02313	0.00971	0.00994	1.09E-01	4.23E-04	1.46E-08	7.33E-04	1.21E-03	1.50E-03	1.58E-03	1.56E-03	1.13E-01
741	490136.72	3860335.12	0.02201	0.01022	0.0064	0.02953	0.00546	0.02292	0.00999	0.01022	1.06E-01	4.35E-04	1.53E-08	7.15E-04	1.18E-03	1.48E-03	1.63E-03	1.60E-03	1.09E-01
742	490186.72	3860335.12	0.02134	0.01051	0.00671	0.02888	0.00532	0.02272	0.01027	0.01051	1.02E-01	4.47E-04	1.61E-08	7.00E-04	1.15E-03	1.47E-03	1.68E-03	1.65E-03	1.06E-01
743	490236.72	3860335.12	0.02074	0.01082	0.00692	0.02833	0.00517	0.02256	0.0106	0.01082	9.95E-02	4.60E-04	1.66E-08	6.86E-04	1.12E-03	1.46E-03	1.73E-03	1.69E-03	1.03E-01
744	490286.72	3860335.12	0.02017	0.01115	0.00698	0.02783	0.00501	0.0224	0.01093	0.01115	9.68E-02	4.74E-04	1.67E-08	6.74E-04	1.08E-03	1.45E-03	1.78E-03	1.75E-03	1.01E-01
745	490336.72	3860335.12	0.01965	0.01151	0.00696	0.02741	0.00485	0.02226	0.01129	0.01151	9.43E-02	4.90E-04	1.67E-08	6.64E-04	1.05E-03	1.44E-03	1.84E-03	1.80E-03	9.80E-02
746	490386.72	3860335.12	0.01918	0.01189	0.00691	0.02706	0.0047	0.02215	0.01168	0.01189	9.20E-02	5.06E-04	1.66E-08	6.56E-04	1.01E-03	1.43E-03	1.91E-03	1.86E-03	9.57E-02
747	490436.72	3860335.12	0.01875	0.0123	0.00686	0.02676	0.00456	0.02206	0.01211	0.0123	9.00E-02	5.23E-04	1.65E-08	6.48E-04	9.83E-04	1.43E-03	1.98E-03	1.93E-03	9.36E-02
748	490486.72	3860335.12	0.01835	0.01275	0.00682	0.02652	0.00443	0.02199	0.01256	0.01275	8.81E-02	5.42E-04	1.64E-08	6.42E-04	9.55E-04	1.42E-03	2.05E-03	2.00E-03	9.17E-02
749	490536.72	3860335.12	0.018	0.01324	0.00679	0.02634	0.00432	0.02195	0.01305	0.01324	8.64E-02	5.63E-04	1.63E-08	6.38E-04	9.32E-04	1.42E-03	2.13E-03	2.07E-03	9.00E-02
750	490586.72	3860335.12	0.01767	0.01378	0.00677	0.02618	0.00422	0.02192	0.01358	0.01378	8.48E-02	5.86E-04	1.62E-08	6.34E-04	9.10E-04	1.42E-03	2.22E-03	2.16E-03	8.84E-02
751	490636.72	3860335.12	0.01739	0.01437	0.00677	0.02609	0.00415	0.02193	0.01417	0.01437	8.35E-02	6.11E-04	1.62E-08	6.32E-04	8.95E-04	1.42E-03	2.31E-03	2.25E-03	8.71E-02
752	490686.72	3860335.12	0.01714	0.01504	0.00677	0.02605	0.00409	0.02198	0.01483	0.01504	8.23E-02	6.40E-04	1.62E-08	6.31E-04	8.82E-04	1.42E-03	2.42E-03	2.36E-03	8.59E-02
753	490736.72	3860335.12	0.01692	0.01579	0.00675	0.02605	0.00404	0.02206	0.01557	0.01579	8.12E-02	6.72E-04	1.62E-08	6.31E-04	8.71E-04	1.43E-03	2.54E-03	2.47E-03	8.49E-02
754	490786.72	3860335.12	0.01675	0.01665	0.00673	0.02611	0.00402	0.0222	0.01643	0.01665	8.04E-02	7.08E-04	1.61E-08	6.33E-04	8.67E-04	1.44E-03	2.68E-03	2.61E-03	8.41E-02
755	490086.72	3860385.12	0.02168	0.00944	0.00555	0.02948	0.00554	0.02222	0.00922	0.00944	1.04E-01	4.02E-04	1.33E-08	7.14E-04	1.19E-03	1.44E-03	1.50E-03	1.48E-03	1.08E-01
756	490136.72	3860385.12	0.02099	0.00968	0.00582	0.02871	0.00543	0.022	0.00946	0.00968	1.01E-01	4.12E-04	1.40E-08	6.96E-04	1.17E-03	1.42E-03	1.54E-03	1.52E-03	1.04E-01
757	490186.72	3860385.12	0.02035	0.00993	0.00611	0.02801	0.00529	0.02178	0.00971	0.00993	9.77E-02	4.23E-04	1.47E-08	6.79E-04	1.14E-03	1.41E-03	1.58E-03	1.56E-03	1.01E-01
758	490236.72	3860385.12	0.01977	0.0102	0.00635	0.02741	0.00515	0.02161	0.00998	0.0102	9.49E-02	4.34E-04	1.52E-08	6.64E-04	1.11E-03	1.40E-03	1.63E-03	1.60E-03	9.85E-02
759	490286.72	3860385.12	0.01923	0.01049	0.00646	0.02689	0.005	0.02144	0.01028	0.01049	9.23E-02	4.46E-04	1.55E-08	6.51E-04	1.08E-03	1.39E-03	1.68E-03	1.64E-03	9.59E-02
760	490336.72	3860385.12	0.01873	0.0108	0.00647	0.02643	0.00485	0.02129	0.01059	0.0108	8.99E-02	4.60E-04	1.55E-08	6.40E-04	1.05E-03	1.38E-03	1.73E-03	1.69E-03	9.34E-02
761	490386.72	3860385.12	0.01828	0.01113	0.00643	0.02602	0.00469	0.02116	0.01094	0.01113	8.77E-02	4.74E-04	1.54E-08	6.30E-04	1.01E-03	1.37E-03	1.79E-03	1.74E-03	9.13E-02
762	490436.72	3860385.12	0.01786	0.0115	0.00638	0.02567	0.00455	0.02105	0.01131	0.0115	8.57E-02	4.89E-04	1.53E-08	6.22E-04	9.81E-04	1.36E-03	1.85E-03	1.80E-03	8.92E-02
763	490486.72	3860385.12	0.01749	0.01189	0.00633	0.02538	0.00442	0.02097	0.01171	0.01189	8.39E-02	5.06E-04	1.52E-08	6.15E-04	9.53E-04	1.36E-03	1.91E-03	1.86E-03	8.74E-02
764	490536.72	3860385.12	0.01714	0.01232	0.0063	0.02513	0.00429	0.0209	0.01214	0.01232	8.23E-02	5.24E-04	1.51E-08	6.09E-04	9.25E-04	1.35E-03	1.98E-03	1.93E-03	8.57E-02
765	490586.72	3860385.12	0.01682	0.01279	0.00628	0.02492	0.00419	0.02085	0.01261	0.01279	8.07E-02	5.44E-04	1.51E-08	6.04E-04	9.04E-04	1.35E-03	2.06E-03	2.00E-03	8.42E-02
766	490636.72	3860385.12	0.01654	0.0133	0.00626	0.02474	0.00409	0.02081	0.01312	0.0133	7.94E-02	5.66E-04	1.50E-08	5.99E-04	8.82E-04	1.35E-03	2.14E-03	2.08E-03	8.28E-02
767	490686.72	3860385.12	0.01629	0.01388	0.00627	0.02462	0.00402	0.02083	0.01369	0.01388	7.82E-02	5.91E-04	1.50E-08	5.96E-04	8.67E-04	1.35E-03	2.23E-03	2.17E-03	8.16E-02
768	490736.72	3860385.12	0.01606	0.01451	0.00627	0.02453	0.00396	0.02085	0.01432	0.01451	7.71E-02	6.17E-04	1.50E-08	5.94E-04	8.54E-04	1.35E-03	2.34E-03	2.27E-03	8.05E-02
769	490786.72	3860385.12	0.01586	0.01523	0.00626	0.02447	0.00392	0.0209	0.01503	0.01523	7.61E-02	6.48E-04	1.50E-08	5.93E-04	8.45E-04	1.35E-03	2.45E-03	2.39E-03	7.96E-02
770	490136.72	3860435.12	0.01988	0.00922	0.00532	0.02795	0.00537	0.02105	0.00902	0.00922	9.54E-02	3.92E-04	1.28E-08	6.77E-04	1.16E-03	1.36E-03	1.47E-03	1.44E-03	9.90E-02
771	490186.72	3860435.12	0.01929	0.00945	0.00559	0.02724	0.00526	0.02084	0.00924	0.00945	9.26E-02	4.02E-04	1.34E-08	6.60E-04	1.13E-03	1.35E-03	1.51E-03	1.48E-03	9.61E-02
772	490236.72	3860435.12	0.01874	0.00968	0.00584	0.0266	0.00512	0.02066	0.00948	0.00968	8.99E-02	4.12E-04	1.40E-08	6.44E-04	1.10E-03	1.34E-03	1.55E-03	1.52E-03	9.35E-02
773	490286.72	3860435.12	0.01824	0.00993	0.00599	0.02605	0.00498	0.02049	0.00973	0.00993	8.75E-02	4.23E-04	1.44E-08	6.31E-04	1.07E-03	1.33E-03	1.59E-03	1.56E-03	9.10E-02
774	490336.72	3860435.12	0.01777	0.0102	0.00603	0.02555	0.00483	0.02033	0.01	0.0102	8.53E-02	4.34E-04	1.45E-08	6.19E-04	1.04E-03	1.32E-03	1.63E-03	1.60E-03	8.87E-02
775	490386.72	3860435.12	0.01735	0.0105	0.00601	0.02512	0.00469	0.0202	0.0103	0.0105	8.33E-02	4.47E-04	1.44E-08	6.09E-04	1.01E-03	1.31E-03	1.68E-03	1.64E-03	8.67E-02
776	490436.72	3860435.12	0.01695	0.01081	0.00596	0.02473	0.00454	0.02008	0.01063	0.01081	8.13E-02	4.60E-04	1.43E-08	5.99E-04	9.79E-04	1.30E-03	1.74E-03	1.69E-03	8.47E-02
777	490486.72	3860435.12	0.0166	0.01116	0.00591	0.02439	0.0044	0.01998	0.01098	0.01116	7.97E-02	4.75E-04	1.42E-08	5.91E-04	9.49E-04	1.29E-03	1.79E-03	1.75E-03	8.30E-02
778	490536.72	3860435.12	0.01627	0.01153	0.00588	0.02409	0.00428	0.0199	0.01137	0.01153	7.81E-02	4.91E-04	1.41E-08	5.84E-04	9.23E-04	1.29E-03	1.86E-03	1.81E-03	8.14E-02
779	490586.72	3860435.12	0.01597	0.01194	0.00584	0.02383	0.00416	0.01984	0.01178	0.01194	7.66E-02	5.08E-04	1.40E-08	5.77E-04	8.97E-04	1.28E-03	1.92E-03	1.87E-03	8.00E-02
780	490636.72	3860435.12	0.01569	0.01239	0.00582	0.0236	0.00405	0.01979	0.01223	0.01239	7.53E-02	5.27E-04	1.40E-08	5.72E-04	8.73E-04	1.28E-03	2.00E-03	1.94E-03	7.86E-02
781	490686.72	3860435.12	0.01544	0.01289	0.00582	0.02342	0.00397	0.01977	0.01272	0.01289	7.41E-02	5.48E-04	1.40E-08	5.67E-04	8.56E-04	1.28E-03	2.08E-03	2.02E-03	7.74E-02
782	490736.72	3860435.12	0.01522	0.01344	0.00583	0.02329	0.0039	0.01978	0.01328	0.01344	7.30E-02	5.72E-04	1.40E-08	5.64E-04	8.41E-04	1.28E-03	2.17E-03	2.11E-03	7.64E-02
783	490786.72	3860435.12	0.01501	0.01406	0.00584	0.02317	0.00385	0.01979	0.01388	0.01406	7.20E-02	5.98E-04	1.40E-08	5.61E-04	8.30E-04	1.28E-03	2.27E-03	2.20E-03	7.54E-02
784	490136.72	3860485.12	0.01872	0.00885	0.00492	0.02728	0.00533	0.02012	0.00866	0.00885	8.98E-02	3.77E-04	1.18E-08	6.61E-04	1.15E-03	1.30E-03	1.41E-03	1.39E-03	9.34E-02
785	490186.72	3860485.12	0.01817	0.00904	0.00514	0.02654	0.00522	0.01991	0.00885	0.00904	8.72E-02	3.85E-04	1.23E-08	6.43E-04	1.13E-03	1.29E-03	1.44E-03	1.42E-03	9.07E-02
786	490236.72	3860485.12	0.01767	0.00925	0.00538	0.02589	0.00509	0.01972	0.00905	0.00925	8.48E-02	3.94E-04	1.29E-08	6.27E-04	1.10E-03	1.28E-03	1.48E-03	1.45E-03	8.82E-02
787	490286.72	3860485.12	0.01721	0.00947	0.00556	0.02531	0.00496	0.01956	0.00928	0.00947	8.26E-02	4.03E-04	1.33E-08	6.13E-04	1.07E-03	1.27E-03	1.51E-03	1.48E-03	8.60E-02
788	490336.72	3860485.12	0.01678	0.00971	0.00564	0.02479	0.00482	0.01941	0.00951	0.00971	8.05E-02	4.13E-04	1.35E-08	6.01E-04	1.04E-03	1.26E-03	1.55E-03	1.52E-03	8.39E-02
789	490386.72	3860485.12	0.01639	0.00997	0.00565	0.02434	0.00468	0.01928	0.00978	0.00997	7.87E-02	4.24E-04	1.36E-08	5.90E-04	1.01E-03	1.25E-03	1.60E-03	1.56E-03	8.20E-02
790	490436.72	3860485.12	0.01604	0.01025	0.00562	0.02394	0.00455	0.01918	0.01007	0.01025	7.70E-02	4.36E-04	1.35E-08	5.80E-04	9.81E-04	1.24E-03	1.64E-03	1.61E-03	8.03E-02
791	490486.72	3860485.12	0.0157	0.01055	0.00556	0.02356	0.0044	0.01907	0.01038	0.01055	7.53E-02	4.49E-04	1.33E-08	5.71E-04	9.49E-04	1.23E-03	1.69E-03	1.65E-03	7.86E-02
792	490536.72	3860485.12	0.01539	0.01087	0.00551	0.02321	0.00427	0.01897	0.01071	0.01087	7.39E-02	4.63E-04	1.32E-08	5.62E-04	9.21E-04	1.23E-03	1.75E-03	1.70E-03	7.71E-02
793	490586.72	3860485.12	0.01511	0.01122	0.00547	0.02291	0.00414	0.0189	0.01107	0.01122	7.25E-02	4.77E-04	1.31E-08	5.55E-04	8.93E-04	1.22E-03	1.81E-03	1.76E-03	7.57E-02
794	490636.72	3860485.12	0.01485	0.01162	0.00545	0.02265	0.00403	0.01885	0.01147	0.01162	7.13E-02	4.94E-04	1.31E-08	5.49E-04	8.69E-04	1.22E-03	1.87E-03	1.82E-03	7.44E-02

795	490686.72	3860485.12	0.01461	0.01204	0.00543	0.02241	0.00393	0.0188	0.0119	0.01204	7.01E-02	5.12E-04	1.30E-08	5.43E-04	8.48E-04	1.22E-03	1.94E-03	1.89E-03	7.33E-02
796	490736.72	3860485.12	0.01439	0.01253	0.00543	0.02223	0.00385	0.01879	0.01238	0.01253	6.91E-02	5.33E-04	1.30E-08	5.39E-04	8.30E-04	1.22E-03	2.02E-03	1.96E-03	7.22E-02
797	490786.72	3860485.12	0.01419	0.01306	0.00544	0.02207	0.00378	0.01879	0.01291	0.01306	6.81E-02	5.56E-04	1.30E-08	5.35E-04	8.15E-04	1.22E-03	2.11E-03	2.05E-03	7.13E-02
798	490136.72	3860535.12	0.01751	0.00852	0.00457	0.02668	0.00527	0.01919	0.00834	0.00852	8.40E-02	3.63E-04	1.10E-08	6.46E-04	1.14E-03	1.24E-03	1.36E-03	1.33E-03	8.74E-02
799	490186.72	3860535.12	0.01704	0.0087	0.00477	0.02593	0.00519	0.01901	0.00852	0.0087	8.18E-02	3.70E-04	1.14E-08	6.28E-04	1.12E-03	1.23E-03	1.39E-03	1.36E-03	8.51E-02
800	490236.72	3860535.12	0.01658	0.00889	0.00497	0.02526	0.00506	0.01881	0.0087	0.00889	7.96E-02	3.78E-04	1.19E-08	6.12E-04	1.09E-03	1.22E-03	1.42E-03	1.39E-03	8.29E-02
801	490286.72	3860535.12	0.01616	0.00908	0.00516	0.02466	0.00494	0.01865	0.00889	0.00908	7.76E-02	3.86E-04	1.24E-08	5.97E-04	1.07E-03	1.21E-03	1.45E-03	1.42E-03	8.08E-02
802	490336.72	3860535.12	0.01578	0.0093	0.00528	0.02413	0.00481	0.01851	0.00911	0.0093	7.57E-02	3.96E-04	1.27E-08	5.85E-04	1.04E-03	1.20E-03	1.49E-03	1.46E-03	7.90E-02
803	490386.72	3860535.12	0.01544	0.00953	0.00533	0.02367	0.00468	0.0184	0.00934	0.00953	7.41E-02	4.05E-04	1.28E-08	5.73E-04	1.01E-03	1.19E-03	1.52E-03	1.49E-03	7.73E-02
804	490436.72	3860535.12	0.01512	0.00977	0.00531	0.02324	0.00455	0.0183	0.0096	0.00977	7.26E-02	4.16E-04	1.27E-08	5.63E-04	9.81E-04	1.18E-03	1.57E-03	1.53E-03	7.57E-02
805	490486.72	3860535.12	0.01482	0.01004	0.00527	0.02285	0.00441	0.01821	0.00987	0.01004	7.11E-02	4.27E-04	1.26E-08	5.54E-04	9.51E-04	1.18E-03	1.61E-03	1.57E-03	7.43E-02
806	490536.72	3860535.12	0.01456	0.01033	0.00525	0.02253	0.00429	0.01817	0.01017	0.01033	6.99E-02	4.40E-04	1.26E-08	5.46E-04	9.25E-04	1.18E-03	1.66E-03	1.62E-03	7.30E-02
807	490586.72	3860535.12	0.01427	0.01063	0.00516	0.02215	0.00414	0.01803	0.01048	0.01063	6.85E-02	4.52E-04	1.24E-08	5.37E-04	8.93E-04	1.17E-03	1.71E-03	1.67E-03	7.16E-02
808	490636.72	3860535.12	0.01403	0.01097	0.00513	0.02184	0.00402	0.01797	0.01082	0.01097	6.73E-02	4.67E-04	1.23E-08	5.29E-04	8.67E-04	1.16E-03	1.77E-03	1.72E-03	7.04E-02
809	490686.72	3860535.12	0.01381	0.01134	0.0051	0.02158	0.00391	0.01793	0.0112	0.01134	6.63E-02	4.82E-04	1.22E-08	5.23E-04	8.43E-04	1.16E-03	1.83E-03	1.78E-03	6.93E-02
810	490736.72	3860535.12	0.01359	0.01175	0.00509	0.02134	0.00381	0.01789	0.01161	0.01175	6.52E-02	5.00E-04	1.22E-08	5.17E-04	8.22E-04	1.16E-03	1.90E-03	1.84E-03	6.83E-02
811	490786.72	3860535.12	0.0134	0.01222	0.00509	0.02114	0.00374	0.01788	0.01208	0.01222	6.43E-02	5.20E-04	1.22E-08	5.12E-04	8.07E-04	1.16E-03	1.97E-03	1.91E-03	6.74E-02
812	490136.72	3860585.12	0.01631	0.00822	0.00428	0.02615	0.00522	0.0183	0.00805	0.00822	7.83E-02	3.50E-04	1.03E-08	6.34E-04	1.13E-03	1.18E-03	1.31E-03	1.29E-03	8.16E-02
813	490186.72	3860585.12	0.01585	0.00837	0.0044	0.02537	0.0051	0.01805	0.0082	0.00837	7.61E-02	3.56E-04	1.06E-08	6.15E-04	1.10E-03	1.17E-03	1.34E-03	1.31E-03	7.93E-02
814	490236.72	3860585.12	0.01547	0.00855	0.0046	0.0247	0.00501	0.01791	0.00838	0.00855	7.42E-02	3.64E-04	1.10E-08	5.98E-04	1.08E-03	1.16E-03	1.37E-03	1.34E-03	7.75E-02
815	490286.72	3860585.12	0.01512	0.00874	0.00481	0.0241	0.00491	0.01778	0.00856	0.00874	7.26E-02	3.72E-04	1.15E-08	5.84E-04	1.06E-03	1.15E-03	1.40E-03	1.37E-03	7.58E-02
816	490336.72	3860585.12	0.01479	0.00894	0.00495	0.02355	0.00479	0.01764	0.00876	0.00894	7.10E-02	3.80E-04	1.19E-08	5.71E-04	1.03E-03	1.14E-03	1.43E-03	1.40E-03	7.41E-02
817	490386.72	3860585.12	0.01448	0.00914	0.00502	0.02306	0.00466	0.01753	0.00896	0.00914	6.95E-02	3.89E-04	1.20E-08	5.59E-04	1.01E-03	1.13E-03	1.46E-03	1.43E-03	7.26E-02
818	490436.72	3860585.12	0.01422	0.00937	0.00505	0.02265	0.00455	0.01748	0.0092	0.00937	6.82E-02	3.99E-04	1.21E-08	5.49E-04	9.81E-04	1.13E-03	1.50E-03	1.47E-03	7.13E-02
819	490486.72	3860585.12	0.01397	0.00961	0.00504	0.02226	0.00443	0.01744	0.00944	0.00961	6.70E-02	4.09E-04	1.21E-08	5.39E-04	9.55E-04	1.13E-03	1.54E-03	1.51E-03	7.01E-02
820	490536.72	3860585.12	0.01371	0.00987	0.00498	0.02188	0.00429	0.01735	0.00971	0.00987	6.58E-02	4.20E-04	1.19E-08	5.30E-04	9.25E-04	1.12E-03	1.58E-03	1.55E-03	6.88E-02
821	490586.72	3860585.12	0.01344	0.01013	0.00488	0.02146	0.00413	0.01719	0.00997	0.01013	6.45E-02	4.31E-04	1.17E-08	5.20E-04	8.91E-04	1.11E-03	1.63E-03	1.59E-03	6.75E-02
822	490636.72	3860585.12	0.01323	0.01043	0.00485	0.02114	0.00401	0.01714	0.01028	0.01043	6.35E-02	4.44E-04	1.16E-08	5.12E-04	8.65E-04	1.11E-03	1.68E-03	1.63E-03	6.65E-02
823	490686.72	3860585.12	0.01302	0.01075	0.00482	0.02084	0.00389	0.01709	0.01061	0.01075	6.25E-02	4.57E-04	1.16E-08	5.05E-04	8.39E-04	1.11E-03	1.73E-03	1.68E-03	6.54E-02
824	490736.72	3860585.12	0.01283	0.01111	0.0048	0.02058	0.00379	0.01706	0.01098	0.01111	6.16E-02	4.73E-04	1.15E-08	4.99E-04	8.17E-04	1.10E-03	1.79E-03	1.74E-03	6.45E-02
825	490786.72	3860585.12	0.01264	0.01151	0.00478	0.02033	0.0037	0.01703	0.01137	0.01151	6.07E-02	4.90E-04	1.15E-08	4.93E-04	7.98E-04	1.10E-03	1.86E-03	1.80E-03	6.36E-02
826	490136.72	3860635.12	0.01515	0.00791	0.00404	0.02565	0.00518	0.01746	0.00776	0.00791	7.27E-02	3.37E-04	9.69E-09	6.21E-04	1.12E-03	1.13E-03	1.27E-03	1.24E-03	7.59E-02
827	490186.72	3860635.12	0.01476	0.00808	0.00414	0.0249	0.00508	0.01726	0.00792	0.00808	7.08E-02	3.44E-04	9.93E-09	6.03E-04	1.10E-03	1.12E-03	1.29E-03	1.27E-03	7.40E-02
828	490236.72	3860635.12	0.0144	0.00825	0.00429	0.02421	0.00497	0.01706	0.00808	0.00825	6.91E-02	3.51E-04	1.03E-08	5.87E-04	1.07E-03	1.10E-03	1.32E-03	1.29E-03	7.22E-02
829	490286.72	3860635.12	0.01409	0.00842	0.00447	0.02359	0.00487	0.01692	0.00825	0.00842	6.76E-02	3.58E-04	1.07E-08	5.72E-04	1.05E-03	1.09E-03	1.35E-03	1.32E-03	7.07E-02
830	490336.72	3860635.12	0.01381	0.00861	0.00464	0.02303	0.00476	0.01681	0.00843	0.00861	6.63E-02	3.66E-04	1.11E-08	5.58E-04	1.03E-03	1.09E-03	1.38E-03	1.35E-03	6.93E-02
831	490386.72	3860635.12	0.01355	0.0088	0.00474	0.02253	0.00465	0.01671	0.00863	0.0088	6.50E-02	3.74E-04	1.14E-08	5.46E-04	1.00E-03	1.08E-03	1.41E-03	1.38E-03	6.81E-02
832	490436.72	3860635.12	0.0133	0.00901	0.00477	0.02207	0.00452	0.01662	0.00883	0.00901	6.38E-02	3.83E-04	1.14E-08	5.35E-04	9.75E-04	1.08E-03	1.44E-03	1.41E-03	6.68E-02
833	490486.72	3860635.12	0.01307	0.00923	0.00475	0.02165	0.0044	0.01655	0.00906	0.00923	6.27E-02	3.93E-04	1.14E-08	5.25E-04	9.49E-04	1.07E-03	1.48E-03	1.45E-03	6.57E-02
834	490536.72	3860635.12	0.01286	0.00947	0.00472	0.02127	0.00428	0.0165	0.0093	0.00947	6.17E-02	4.03E-04	1.13E-08	5.15E-04	9.23E-04	1.07E-03	1.52E-03	1.48E-03	6.47E-02
835	490586.72	3860635.12	0.01265	0.00971	0.00465	0.02088	0.00414	0.01641	0.00955	0.00971	6.07E-02	4.13E-04	1.12E-08	5.06E-04	8.93E-04	1.06E-03	1.56E-03	1.52E-03	6.36E-02
836	490636.72	3860635.12	0.01245	0.00997	0.00461	0.02054	0.00401	0.01636	0.00983	0.00997	5.97E-02	4.24E-04	1.11E-08	4.98E-04	8.65E-04	1.06E-03	1.60E-03	1.56E-03	6.26E-02
837	490686.72	3860635.12	0.01227	0.01026	0.00457	0.02022	0.00389	0.01632	0.01012	0.01026	5.89E-02	4.37E-04	1.10E-08	4.90E-04	8.39E-04	1.06E-03	1.65E-03	1.61E-03	6.17E-02
838	490736.72	3860635.12	0.01209	0.01057	0.00454	0.01992	0.00378	0.01626	0.01044	0.01057	5.80E-02	4.50E-04	1.09E-08	4.83E-04	8.15E-04	1.05E-03	1.70E-03	1.66E-03	6.09E-02
839	490786.72	3860635.12	0.01192	0.01092	0.00452	0.01966	0.00368	0.01624	0.01079	0.01092	5.72E-02	4.65E-04	1.08E-08	4.76E-04	7.94E-04	1.05E-03	1.76E-03	1.71E-03	6.00E-02
840	490136.72	3860685.12	0.01398	0.00762	0.00381	0.02523	0.00509	0.01661	0.00747	0.00762	6.71E-02	3.24E-04	9.14E-09	6.11E-04	1.10E-03	1.07E-03	1.22E-03	1.19E-03	7.02E-02
841	490186.72	3860685.12	0.01372	0.00777	0.00393	0.02445	0.00506	0.01649	0.00762	0.00777	6.58E-02	3.31E-04	9.43E-09	5.92E-04	1.09E-03	1.07E-03	1.24E-03	1.22E-03	6.89E-02
842	490236.72	3860685.12	0.0134	0.00794	0.00404	0.02376	0.00495	0.01631	0.00778	0.00794	6.43E-02	3.38E-04	9.69E-09	5.76E-04	1.07E-03	1.06E-03	1.27E-03	1.24E-03	6.74E-02
843	490286.72	3860685.12	0.0131	0.0081	0.00417	0.02313	0.00482	0.0161	0.00794	0.0081	6.29E-02	3.45E-04	1.00E-08	5.60E-04	1.04E-03	1.04E-03	1.30E-03	1.27E-03	6.59E-02
844	490336.72	3860685.12	0.01287	0.00828	0.00435	0.02257	0.00473	0.01602	0.00812	0.00828	6.18E-02	3.52E-04	1.04E-08	5.47E-04	1.02E-03	1.04E-03	1.33E-03	1.30E-03	6.47E-02
845	490386.72	3860685.12	0.01265	0.00847	0.00447	0.02205	0.00463	0.01593	0.0083	0.00847	6.07E-02	3.60E-04	1.07E-08	5.34E-04	9.99E-04	1.03E-03	1.35E-03	1.33E-03	6.37E-02
846	490436.72	3860685.12	0.01243	0.00866	0.00452	0.02157	0.00451	0.01583	0.00849	0.00866	5.97E-02	3.68E-04	1.08E-08	5.23E-04	9.73E-04	1.02E-03	1.39E-03	1.36E-03	6.26E-02
847	490486.72	3860685.12	0.01223	0.00887	0.00452	0.02113	0.00438	0.01575	0.0087	0.00887	5.87E-02	3.77E-04	1.08E-08	5.12E-04	9.45E-04	1.02E-03	1.42E-03	1.39E-03	6.16E-02
848	490536.72	3860685.12	0.01204	0.00909	0.00448	0.02072	0.00426	0.01569	0.00892	0.00909	5.78E-02	3.87E-04	1.07E-08	5.02E-04	9.19E-04	1.02E-03	1.46E-03	1.42E-03	6.06E-02
849	490586.72	3860685.12	0.01187	0.00932	0.00444	0.02035	0.00413	0.01565	0.00916	0.00932	5.70E-02	3.97E-04	1.06E-08	4.93E-04	8.91E-04	1.01E-03	1.50E-03	1.46E-03	5.98E-02
850	490636.72	3860685.12	0.0117	0.00957	0.0044	0.02	0.00401	0.01561	0.00942	0.00957	5.61E-02	4.07E-04	1.06E-08	4.85E-04	8.65E-04	1.01E-03	1.54E-03	1.50E-03	5.90E-02
851	490686.72	3860685.12	0.01155	0.00984	0.00437	0.01968	0.0039	0.01558	0.00969	0.00984	5.54E-02	4.19E-04	1.05E-08	4.77E-04	8.41E-04	1.01E-03	1.58E-03	1.54E-03	5.82E-02

852	490736.72	3860685.12	0.01139	0.01012	0.00433	0.01937	0.00378	0.01554	0.00998	0.01012	5.47E-02	4.31E-04	1.04E-08	4.69E-04	8.15E-04	1.01E-03	1.63E-03	1.59E-03	5.74E-02
853	490786.72	3860685.12	0.01125	0.01043	0.00431	0.0191	0.00368	0.01554	0.0103	0.01043	5.40E-02	4.44E-04	1.03E-08	4.63E-04	7.94E-04	1.01E-03	1.68E-03	1.63E-03	5.67E-02
854	490136.72	3860735.12	0.01285	0.00732	0.00358	0.02487	0.00496	0.01572	0.00718	0.00732	6.17E-02	3.11E-04	8.59E-09	6.03E-04	1.07E-03	1.02E-03	1.17E-03	1.15E-03	6.47E-02
855	490186.72	3860735.12	0.0126	0.00746	0.00364	0.02407	0.0049	0.01557	0.00732	0.00746	6.05E-02	3.17E-04	8.73E-09	5.83E-04	1.06E-03	1.01E-03	1.19E-03	1.17E-03	6.35E-02
856	490236.72	3860735.12	0.01237	0.00762	0.00375	0.02336	0.00484	0.01544	0.00747	0.00762	5.94E-02	3.24E-04	8.99E-09	5.66E-04	1.04E-03	9.99E-04	1.22E-03	1.19E-03	6.23E-02
857	490286.72	3860735.12	0.01216	0.00778	0.00391	0.02272	0.00477	0.01533	0.00763	0.00778	5.84E-02	3.31E-04	9.38E-09	5.50E-04	1.03E-03	9.92E-04	1.25E-03	1.22E-03	6.13E-02
858	490336.72	3860735.12	0.01196	0.00795	0.00407	0.02214	0.00468	0.01524	0.0078	0.00795	5.74E-02	3.38E-04	9.76E-09	5.36E-04	1.01E-03	9.86E-04	1.27E-03	1.25E-03	6.03E-02
859	490386.72	3860735.12	0.01178	0.00814	0.00421	0.02162	0.0046	0.01516	0.00797	0.00814	5.65E-02	3.46E-04	1.01E-08	5.24E-04	9.92E-04	9.81E-04	1.30E-03	1.28E-03	5.94E-02
860	490436.72	3860735.12	0.01162	0.00833	0.00432	0.02115	0.00451	0.01513	0.00817	0.00833	5.58E-02	3.54E-04	1.04E-08	5.12E-04	9.73E-04	9.79E-04	1.33E-03	1.30E-03	5.86E-02
861	490486.72	3860735.12	0.01144	0.00853	0.00433	0.0207	0.00438	0.01505	0.00836	0.00853	5.49E-02	3.63E-04	1.04E-08	5.01E-04	9.45E-04	9.74E-04	1.36E-03	1.34E-03	5.77E-02
862	490536.72	3860735.12	0.01127	0.00872	0.00429	0.02026	0.00425	0.01495	0.00856	0.00872	5.41E-02	3.71E-04	1.03E-08	4.91E-04	9.17E-04	9.67E-04	1.40E-03	1.37E-03	5.69E-02
863	490586.72	3860735.12	0.01111	0.00894	0.00424	0.01986	0.00413	0.01489	0.00878	0.00894	5.33E-02	3.80E-04	1.02E-08	4.81E-04	8.91E-04	9.63E-04	1.43E-03	1.40E-03	5.61E-02
864	490636.72	3860735.12	0.01097	0.00917	0.0042	0.0195	0.004	0.01485	0.00902	0.00917	5.26E-02	3.90E-04	1.01E-08	4.72E-04	8.63E-04	9.61E-04	1.47E-03	1.44E-03	5.54E-02
865	490686.72	3860735.12	0.01084	0.00943	0.00417	0.01918	0.00389	0.01484	0.00928	0.00943	5.20E-02	4.01E-04	1.00E-08	4.65E-04	8.39E-04	9.60E-04	1.51E-03	1.48E-03	5.47E-02
866	490736.72	3860735.12	0.01072	0.0097	0.00414	0.01887	0.00378	0.01484	0.00956	0.0097	5.14E-02	4.13E-04	9.93E-09	4.57E-04	8.15E-04	9.60E-04	1.56E-03	1.52E-03	5.41E-02
867	490136.72	3860785.12	0.0118	0.00702	0.00339	0.02451	0.00484	0.0149	0.00689	0.00702	5.66E-02	2.99E-04	8.13E-09	5.94E-04	1.04E-03	9.64E-04	1.12E-03	1.10E-03	5.96E-02
868	490186.72	3860785.12	0.01161	0.00716	0.00344	0.02371	0.00481	0.01478	0.00703	0.00716	5.57E-02	3.05E-04	8.25E-09	5.74E-04	1.04E-03	9.56E-04	1.15E-03	1.12E-03	5.86E-02
869	490236.72	3860785.12	0.01142	0.00731	0.00353	0.02299	0.00476	0.01466	0.00717	0.00731	5.48E-02	3.11E-04	8.47E-09	5.57E-04	1.03E-03	9.49E-04	1.17E-03	1.15E-03	5.77E-02
870	490286.72	3860785.12	0.01125	0.00746	0.00366	0.02234	0.0047	0.01457	0.00732	0.00746	5.40E-02	3.17E-04	8.78E-09	5.41E-04	1.01E-03	9.43E-04	1.19E-03	1.17E-03	5.68E-02
871	490336.72	3860785.12	0.01109	0.00763	0.00381	0.02175	0.00463	0.01448	0.00748	0.00763	5.32E-02	3.25E-04	9.14E-09	5.27E-04	9.99E-04	9.37E-04	1.22E-03	1.20E-03	5.60E-02
872	490386.72	3860785.12	0.01095	0.0078	0.00397	0.02122	0.00456	0.01443	0.00765	0.0078	5.25E-02	3.32E-04	9.52E-09	5.14E-04	9.83E-04	9.34E-04	1.25E-03	1.22E-03	5.53E-02
873	490436.72	3860785.12	0.01081	0.00798	0.00407	0.02073	0.00446	0.01436	0.00783	0.00798	5.19E-02	3.40E-04	9.76E-09	5.02E-04	9.62E-04	9.29E-04	1.28E-03	1.25E-03	5.46E-02
874	490486.72	3860785.12	0.01068	0.00818	0.00413	0.02029	0.00437	0.01433	0.00802	0.00818	5.13E-02	3.48E-04	9.91E-09	4.92E-04	9.42E-04	9.27E-04	1.31E-03	1.28E-03	5.40E-02
875	490536.72	3860785.12	0.01054	0.00837	0.00412	0.01986	0.00425	0.01426	0.00821	0.00837	5.06E-02	3.56E-04	9.88E-09	4.81E-04	9.17E-04	9.23E-04	1.34E-03	1.31E-03	5.33E-02
876	490586.72	3860785.12	0.0104	0.00857	0.00407	0.01944	0.00412	0.01417	0.00841	0.00857	4.99E-02	3.65E-04	9.76E-09	4.71E-04	8.89E-04	9.17E-04	1.37E-03	1.34E-03	5.26E-02
877	490636.72	3860785.12	0.01028	0.00879	0.00402	0.01906	0.004	0.01413	0.00863	0.00879	4.93E-02	3.74E-04	9.64E-09	4.62E-04	8.63E-04	9.14E-04	1.41E-03	1.38E-03	5.20E-02
878	490686.72	3860785.12	0.01016	0.00902	0.00399	0.01872	0.00388	0.01411	0.00887	0.00902	4.88E-02	3.84E-04	9.57E-09	4.54E-04	8.37E-04	9.13E-04	1.45E-03	1.41E-03	5.14E-02
879	490736.72	3860785.12	0.01006	0.00928	0.00396	0.01841	0.00378	0.01411	0.00914	0.00928	4.83E-02	3.95E-04	9.50E-09	4.46E-04	8.15E-04	9.13E-04	1.49E-03	1.45E-03	5.09E-02
880	490086.72	3860835.12	0.01099	0.00662	0.00322	0.0251	0.00474	0.01425	0.0065	0.00662	5.27E-02	2.82E-04	7.72E-09	6.08E-04	1.02E-03	9.22E-04	1.06E-03	1.04E-03	5.56E-02
881	490136.72	3860835.12	0.01084	0.00675	0.00323	0.0242	0.00475	0.01415	0.00663	0.00675	5.20E-02	2.87E-04	7.75E-09	5.86E-04	1.02E-03	9.16E-04	1.08E-03	1.06E-03	5.49E-02
882	490186.72	3860835.12	0.01069	0.00688	0.00327	0.02338	0.00472	0.01403	0.00675	0.00688	5.13E-02	2.93E-04	7.84E-09	5.66E-04	1.02E-03	9.08E-04	1.10E-03	1.08E-03	5.41E-02
883	490236.72	3860835.12	0.01054	0.00702	0.00333	0.02264	0.00469	0.01392	0.00689	0.00702	5.06E-02	2.99E-04	7.99E-09	5.48E-04	1.01E-03	9.01E-04	1.12E-03	1.10E-03	5.34E-02
884	490286.72	3860835.12	0.01041	0.00717	0.00345	0.02199	0.00464	0.01384	0.00703	0.00717	5.00E-02	3.05E-04	8.27E-09	5.33E-04	1.00E-03	8.95E-04	1.15E-03	1.12E-03	5.27E-02
885	490336.72	3860835.12	0.01028	0.00732	0.00358	0.02139	0.00457	0.01376	0.00717	0.00732	4.93E-02	3.11E-04	8.59E-09	5.18E-04	9.86E-04	8.90E-04	1.17E-03	1.15E-03	5.21E-02
886	490386.72	3860835.12	0.01016	0.00748	0.00372	0.02085	0.0045	0.01369	0.00733	0.00748	4.88E-02	3.18E-04	8.92E-09	5.05E-04	9.71E-04	8.86E-04	1.20E-03	1.17E-03	5.15E-02
887	490436.72	3860835.12	0.01005	0.00765	0.00385	0.02037	0.00442	0.01364	0.0075	0.00765	4.82E-02	3.25E-04	9.23E-09	4.94E-04	9.53E-04	8.83E-04	1.22E-03	1.20E-03	5.09E-02
888	490486.72	3860835.12	0.00994	0.00783	0.00392	0.01991	0.00433	0.0136	0.00767	0.00783	4.77E-02	3.33E-04	9.40E-09	4.82E-04	9.34E-04	8.80E-04	1.25E-03	1.23E-03	5.04E-02
889	490536.72	3860835.12	0.00983	0.00802	0.00395	0.01948	0.00423	0.01355	0.00786	0.00802	4.72E-02	3.41E-04	9.47E-09	4.72E-04	9.12E-04	8.77E-04	1.28E-03	1.26E-03	4.98E-02
890	490586.72	3860835.12	0.00973	0.00821	0.00392	0.01907	0.00411	0.01349	0.00805	0.00821	4.67E-02	3.49E-04	9.40E-09	4.62E-04	8.86E-04	8.73E-04	1.31E-03	1.29E-03	4.93E-02
891	490636.72	3860835.12	0.00962	0.00841	0.00388	0.01868	0.004	0.01344	0.00826	0.00841	4.62E-02	3.58E-04	9.31E-09	4.53E-04	8.63E-04	8.70E-04	1.35E-03	1.32E-03	4.87E-02
892	490686.72	3860835.12	0.00953	0.00863	0.00384	0.01832	0.00388	0.01342	0.00848	0.00863	4.57E-02	3.67E-04	9.21E-09	4.44E-04	8.37E-04	8.68E-04	1.38E-03	1.35E-03	4.83E-02
893	490736.72	3860835.12	0.00944	0.00888	0.0038	0.018	0.00378	0.01342	0.00873	0.00888	4.53E-02	3.78E-04	9.11E-09	4.36E-04	8.15E-04	8.68E-04	1.42E-03	1.39E-03	4.78E-02
894	490086.72	3860885.12	0.01007	0.00639	0.00309	0.02481	0.00464	0.01352	0.00627	0.00639	4.83E-02	2.72E-04	7.41E-09	6.01E-04	1.00E-03	8.75E-04	1.02E-03	1.00E-03	5.11E-02
895	490136.72	3860885.12	0.00995	0.00651	0.00309	0.0239	0.00465	0.01341	0.00639	0.00651	4.77E-02	2.77E-04	7.41E-09	5.79E-04	1.00E-03	8.68E-04	1.04E-03	1.02E-03	5.05E-02
896	490186.72	3860885.12	0.00984	0.00663	0.00311	0.02307	0.00464	0.01331	0.00651	0.00663	4.72E-02	2.82E-04	7.46E-09	5.59E-04	1.00E-03	8.61E-04	1.06E-03	1.04E-03	4.99E-02
897	490236.72	3860885.12	0.00973	0.00676	0.00317	0.02234	0.00461	0.01322	0.00663	0.00676	4.67E-02	2.88E-04	7.60E-09	5.41E-04	9.94E-04	8.55E-04	1.08E-03	1.06E-03	4.94E-02
898	490286.72	3860885.12	0.00962	0.00689	0.00325	0.02168	0.00457	0.01314	0.00676	0.00689	4.62E-02	2.93E-04	7.79E-09	5.25E-04	9.86E-04	8.50E-04	1.10E-03	1.08E-03	4.88E-02
899	490336.72	3860885.12	0.00952	0.00703	0.00337	0.02108	0.00451	0.01306	0.00689	0.00703	4.57E-02	2.99E-04	8.08E-09	5.11E-04	9.73E-04	8.45E-04	1.12E-03	1.10E-03	4.83E-02
900	490386.72	3860885.12	0.00943	0.00718	0.00351	0.02053	0.00445	0.01301	0.00704	0.00718	4.53E-02	3.05E-04	8.42E-09	4.97E-04	9.60E-04	8.42E-04	1.15E-03	1.12E-03	4.79E-02
901	490436.72	3860885.12	0.00934	0.00734	0.00364	0.02004	0.00438	0.01296	0.00719	0.00734	4.48E-02	3.12E-04	8.73E-09	4.86E-04	9.45E-04	8.39E-04	1.17E-03	1.15E-03	4.74E-02
902	490486.72	3860885.12	0.00926	0.0075	0.00373	0.01957	0.0043	0.01292	0.00736	0.0075	4.44E-02	3.19E-04	8.95E-09	4.74E-04	9.27E-04	8.36E-04	1.20E-03	1.17E-03	4.70E-02
903	490536.72	3860885.12	0.00917	0.00768	0.00378	0.01914	0.00421	0.01287	0.00753	0.00768	4.40E-02	3.27E-04	9.07E-09	4.64E-04	9.08E-04	8.33E-04	1.23E-03	1.20E-03	4.66E-02
904	490586.72	3860885.12	0.00908	0.00786	0.00377	0.01872	0.0041	0.01283	0.00771	0.00786	4.36E-02	3.34E-04	9.04E-09	4.54E-04	8.84E-04	8.30E-04	1.26E-03	1.23E-03	4.61E-02
905	490636.72	3860885.12	0.009	0.00805	0.00374	0.01832	0.00399	0.01278	0.00789	0.00805	4.32E-02	3.43E-04	8.97E-09	4.44E-04	8.61E-04	8.27E-04	1.29E-03	1.26E-03	4.57E-02
906	490686.72	3860885.12	0.00892	0.00825	0.0037	0.01795	0.00388	0.01275	0.0081	0.00825	4.28E-02	3.51E-04	8.87E-09	4.35E-04	8.37E-04	8.25E-04	1.32E-03	1.29E-03	4.53E-02
907	490736.72	3860885.12	0.00884	0.00847	0.00366	0.01762	0.00377	0.01273	0.00833	0.00847	4.24E-02	3.60E-04	8.78E-09	4.27E-04	8.13E-04	8.24E-04	1.36E-03	1.33E-03	4.49E-02
908	490086.72	3860935.12	0.00923	0.00617	0.00296	0.02453	0.00452	0.01279	0.00606	0.00617	4.43E-02	2.63E-04	7.10E-09	5.94E-04	9.75E-04	8.28E-04	9.89E-04	9.67E-04	4.70E-02

909	490136.72	3860935.12	0.00914	0.00628	0.00295	0.0236	0.00453	0.01269	0.00617	0.00628	4.39E-02	2.67E-04	7.08E-09	5.72E-04	9.77E-04	8.21E-04	1.01E-03	9.84E-04	4.65E-02
910	490186.72	3860935.12	0.00906	0.00639	0.00297	0.02279	0.00454	0.01261	0.00628	0.00639	4.35E-02	2.72E-04	7.12E-09	5.52E-04	9.79E-04	8.16E-04	1.03E-03	1.00E-03	4.61E-02
911	490236.72	3860935.12	0.00898	0.00651	0.00301	0.02206	0.00453	0.01254	0.0064	0.00651	4.31E-02	2.77E-04	7.22E-09	5.34E-04	9.77E-04	8.11E-04	1.04E-03	1.02E-03	4.57E-02
912	490286.72	3860935.12	0.0089	0.00664	0.00309	0.0214	0.0045	0.01248	0.00652	0.00664	4.27E-02	2.83E-04	7.41E-09	5.18E-04	9.71E-04	8.07E-04	1.06E-03	1.04E-03	4.53E-02
913	490336.72	3860935.12	0.00882	0.00677	0.00319	0.02079	0.00445	0.0124	0.00664	0.00677	4.23E-02	2.88E-04	7.65E-09	5.04E-04	9.60E-04	8.02E-04	1.08E-03	1.06E-03	4.49E-02
914	490386.72	3860935.12	0.00875	0.00691	0.00331	0.02024	0.0044	0.01236	0.00677	0.00691	4.20E-02	2.94E-04	7.94E-09	4.90E-04	9.49E-04	8.00E-04	1.11E-03	1.08E-03	4.45E-02
915	490436.72	3860935.12	0.00868	0.00706	0.00344	0.01974	0.00434	0.01232	0.00692	0.00706	4.17E-02	3.00E-04	8.25E-09	4.78E-04	9.36E-04	7.97E-04	1.13E-03	1.11E-03	4.42E-02
916	490486.72	3860935.12	0.00861	0.00721	0.00355	0.01926	0.00426	0.01227	0.00706	0.00721	4.13E-02	3.07E-04	8.51E-09	4.67E-04	9.19E-04	7.94E-04	1.15E-03	1.13E-03	4.38E-02
917	490536.72	3860935.12	0.00855	0.00737	0.00361	0.01882	0.00418	0.01223	0.00722	0.00737	4.10E-02	3.14E-04	8.66E-09	4.56E-04	9.02E-04	7.91E-04	1.18E-03	1.15E-03	4.35E-02
918	490586.72	3860935.12	0.00848	0.00753	0.00363	0.0184	0.00409	0.01219	0.00738	0.00753	4.07E-02	3.20E-04	8.71E-09	4.46E-04	8.82E-04	7.89E-04	1.20E-03	1.18E-03	4.32E-02
919	490636.72	3860935.12	0.00841	0.00771	0.00361	0.018	0.00398	0.01214	0.00756	0.00771	4.04E-02	3.28E-04	8.66E-09	4.36E-04	8.58E-04	7.85E-04	1.23E-03	1.21E-03	4.28E-02
920	490686.72	3860935.12	0.00835	0.0079	0.00358	0.01763	0.00388	0.01211	0.00775	0.0079	4.01E-02	3.36E-04	8.59E-09	4.27E-04	8.37E-04	7.84E-04	1.27E-03	1.24E-03	4.25E-02
921	490736.72	3860935.12	0.00828	0.0081	0.00354	0.01729	0.00377	0.01209	0.00795	0.0081	3.97E-02	3.45E-04	8.49E-09	4.19E-04	8.13E-04	7.82E-04	1.30E-03	1.27E-03	4.21E-02
922	490786.72	3860935.12	0.00822	0.00831	0.0035	0.01697	0.00366	0.01207	0.00817	0.00831	3.94E-02	3.54E-04	8.39E-09	4.11E-04	7.89E-04	7.81E-04	1.33E-03	1.30E-03	4.18E-02
923	490836.72	3860935.12	0.00817	0.00855	0.00347	0.01668	0.00356	0.01207	0.00841	0.00855	3.92E-02	3.64E-04	8.32E-09	4.04E-04	7.68E-04	7.81E-04	1.37E-03	1.34E-03	4.16E-02
924	490086.72	3860985.12	0.00848	0.00598	0.00285	0.02429	0.00441	0.01211	0.00588	0.00598	4.07E-02	2.54E-04	6.84E-09	5.88E-04	9.51E-04	7.84E-04	9.60E-04	9.37E-04	4.33E-02
925	490136.72	3860985.12	0.00842	0.00608	0.00284	0.02337	0.00444	0.01203	0.00597	0.00608	4.04E-02	2.59E-04	6.81E-09	5.66E-04	9.58E-04	7.78E-04	9.74E-04	9.52E-04	4.30E-02
926	490186.72	3860985.12	0.00836	0.00619	0.00285	0.02255	0.00445	0.01197	0.00608	0.00619	4.01E-02	2.63E-04	6.84E-09	5.46E-04	9.60E-04	7.74E-04	9.92E-04	9.70E-04	4.27E-02
927	490236.72	3860985.12	0.0083	0.00629	0.00288	0.0218	0.00444	0.0119	0.00618	0.00629	3.98E-02	2.68E-04	6.91E-09	5.28E-04	9.58E-04	7.70E-04	1.01E-03	9.85E-04	4.24E-02
928	490286.72	3860985.12	0.00824	0.00641	0.00293	0.02113	0.00442	0.01183	0.00629	0.00641	3.95E-02	2.73E-04	7.03E-09	5.12E-04	9.53E-04	7.65E-04	1.03E-03	1.00E-03	4.21E-02
929	490336.72	3860985.12	0.00818	0.00653	0.00302	0.02052	0.00439	0.01178	0.00641	0.00653	3.93E-02	2.78E-04	7.24E-09	4.97E-04	9.47E-04	7.62E-04	1.05E-03	1.02E-03	4.18E-02
930	490386.72	3860985.12	0.00812	0.00666	0.00313	0.01996	0.00434	0.01173	0.00653	0.00666	3.90E-02	2.83E-04	7.51E-09	4.84E-04	9.36E-04	7.59E-04	1.07E-03	1.04E-03	4.15E-02
931	490436.72	3860985.12	0.00808	0.0068	0.00326	0.01946	0.0043	0.0117	0.00667	0.0068	3.88E-02	2.89E-04	7.82E-09	4.71E-04	9.27E-04	7.57E-04	1.09E-03	1.07E-03	4.12E-02
932	490486.72	3860985.12	0.00802	0.00694	0.00337	0.01898	0.00423	0.01166	0.0068	0.00694	3.85E-02	2.95E-04	8.08E-09	4.60E-04	9.12E-04	7.54E-04	1.11E-03	1.09E-03	4.09E-02
933	490536.72	3860985.12	0.00797	0.00708	0.00345	0.01852	0.00415	0.01161	0.00694	0.00708	3.82E-02	3.01E-04	8.27E-09	4.49E-04	8.95E-04	7.51E-04	1.13E-03	1.11E-03	4.07E-02
934	490586.72	3860985.12	0.00791	0.00724	0.00349	0.0181	0.00406	0.01157	0.00709	0.00724	3.80E-02	3.08E-04	8.37E-09	4.39E-04	8.76E-04	7.49E-04	1.16E-03	1.13E-03	4.04E-02
935	490636.72	3860985.12	0.00786	0.0074	0.00349	0.01771	0.00397	0.01154	0.00725	0.0074	3.77E-02	3.15E-04	8.37E-09	4.29E-04	8.56E-04	7.47E-04	1.18E-03	1.16E-03	4.01E-02
936	490686.72	3860985.12	0.00781	0.00757	0.00346	0.01734	0.00387	0.01151	0.00742	0.00757	3.75E-02	3.22E-04	8.30E-09	4.20E-04	8.35E-04	7.45E-04	1.21E-03	1.19E-03	3.98E-02
937	490736.72	3860985.12	0.00776	0.00775	0.00342	0.01699	0.00377	0.01148	0.0076	0.00775	3.72E-02	3.30E-04	8.20E-09	4.12E-04	8.13E-04	7.43E-04	1.24E-03	1.21E-03	3.96E-02
938	490786.72	3860985.12	0.00771	0.00795	0.00339	0.01667	0.00367	0.01146	0.0078	0.00795	3.70E-02	3.38E-04	8.13E-09	4.04E-04	7.92E-04	7.41E-04	1.27E-03	1.25E-03	3.93E-02
939	490836.72	3860985.12	0.00766	0.00816	0.00336	0.01638	0.00357	0.01146	0.00802	0.00816	3.68E-02	3.47E-04	8.06E-09	3.97E-04	7.70E-04	7.41E-04	1.31E-03	1.28E-03	3.90E-02
940	490086.72	3861035.12	0.00782	0.00579	0.00274	0.02406	0.00429	0.01145	0.0057	0.00579	3.75E-02	2.46E-04	6.57E-09	5.83E-04	9.25E-04	7.41E-04	9.30E-04	9.07E-04	4.00E-02
941	490136.72	3861035.12	0.00777	0.00589	0.00273	0.02314	0.00433	0.0114	0.0058	0.00589	3.73E-02	2.51E-04	6.55E-09	5.61E-04	9.34E-04	7.38E-04	9.47E-04	9.23E-04	3.98E-02
942	490186.72	3861035.12	0.00772	0.00599	0.00273	0.02231	0.00435	0.01134	0.00589	0.00599	3.70E-02	2.55E-04	6.55E-09	5.41E-04	9.38E-04	7.34E-04	9.61E-04	9.38E-04	3.95E-02
943	490236.72	3861035.12	0.00768	0.0061	0.00276	0.02157	0.00436	0.01129	0.00599	0.0061	3.69E-02	2.60E-04	6.62E-09	5.23E-04	9.40E-04	7.30E-04	9.78E-04	9.56E-04	3.93E-02
944	490286.72	3861035.12	0.00763	0.0062	0.0028	0.02089	0.00434	0.01123	0.00609	0.0062	3.66E-02	2.64E-04	6.72E-09	5.06E-04	9.36E-04	7.27E-04	9.94E-04	9.71E-04	3.91E-02
945	490336.72	3861035.12	0.00759	0.00631	0.00287	0.02026	0.00431	0.01117	0.0062	0.00631	3.64E-02	2.68E-04	6.88E-09	4.91E-04	9.30E-04	7.23E-04	1.01E-03	9.88E-04	3.89E-02
946	490386.72	3861035.12	0.00755	0.00644	0.00297	0.01971	0.00429	0.01115	0.00632	0.00644	3.62E-02	2.74E-04	7.12E-09	4.78E-04	9.25E-04	7.21E-04	1.03E-03	1.01E-03	3.87E-02
947	490436.72	3861035.12	0.00752	0.00656	0.00309	0.0192	0.00425	0.01112	0.00644	0.00656	3.61E-02	2.79E-04	7.41E-09	4.65E-04	9.17E-04	7.19E-04	1.05E-03	1.03E-03	3.85E-02
948	490486.72	3861035.12	0.00748	0.00669	0.0032	0.01872	0.00419	0.01108	0.00656	0.00669	3.59E-02	2.85E-04	7.67E-09	4.54E-04	9.04E-04	7.17E-04	1.07E-03	1.05E-03	3.83E-02
949	490536.72	3861035.12	0.00743	0.00683	0.00329	0.01826	0.00412	0.01104	0.00669	0.00683	3.57E-02	2.91E-04	7.89E-09	4.42E-04	8.89E-04	7.14E-04	1.09E-03	1.07E-03	3.80E-02
950	490586.72	3861035.12	0.00739	0.00697	0.00335	0.01784	0.00404	0.011	0.00683	0.00697	3.55E-02	2.97E-04	8.03E-09	4.32E-04	8.71E-04	7.12E-04	1.11E-03	1.09E-03	3.78E-02
951	490636.72	3861035.12	0.00735	0.00712	0.00336	0.01744	0.00395	0.01097	0.00697	0.00712	3.53E-02	3.03E-04	8.06E-09	4.23E-04	8.52E-04	7.10E-04	1.14E-03	1.12E-03	3.76E-02
952	490686.72	3861035.12	0.00731	0.00727	0.00335	0.01707	0.00386	0.01094	0.00713	0.00727	3.51E-02	3.09E-04	8.03E-09	4.14E-04	8.33E-04	7.08E-04	1.16E-03	1.14E-03	3.74E-02
953	490736.72	3861035.12	0.00727	0.00744	0.00332	0.01672	0.00376	0.01091	0.00729	0.00744	3.49E-02	3.17E-04	7.96E-09	4.05E-04	8.11E-04	7.06E-04	1.19E-03	1.17E-03	3.72E-02
954	490786.72	3861035.12	0.00723	0.00761	0.00329	0.01641	0.00367	0.0109	0.00747	0.00761	3.47E-02	3.24E-04	7.89E-09	3.98E-04	7.92E-04	7.05E-04	1.22E-03	1.19E-03	3.69E-02
955	490836.72	3861035.12	0.00719	0.0078	0.00325	0.01611	0.00357	0.0109	0.00766	0.0078	3.45E-02	3.32E-04	7.79E-09	3.90E-04	7.70E-04	7.05E-04	1.25E-03	1.22E-03	3.67E-02
956	490086.72	3861085.12	0.00723	0.00563	0.00264	0.02385	0.00417	0.01083	0.00554	0.00563	3.47E-02	2.40E-04	6.33E-09	5.78E-04	8.99E-04	7.01E-04	9.04E-04	8.82E-04	3.71E-02
957	490136.72	3861085.12	0.0072	0.00572	0.00263	0.02293	0.00423	0.0108	0.00563	0.00572	3.46E-02	2.43E-04	6.31E-09	5.56E-04	9.12E-04	6.99E-04	9.19E-04	8.96E-04	3.70E-02
958	490186.72	3861085.12	0.00717	0.00582	0.00264	0.02212	0.00427	0.01077	0.00573	0.00582	3.44E-02	2.48E-04	6.33E-09	5.36E-04	9.21E-04	6.97E-04	9.35E-04	9.12E-04	3.68E-02
959	490236.72	3861085.12	0.00713	0.00591	0.00265	0.02136	0.00427	0.01071	0.00582	0.00591	3.42E-02	2.51E-04	6.36E-09	5.17E-04	9.21E-04	6.93E-04	9.50E-04	9.26E-04	3.66E-02
960	490286.72	3861085.12	0.00709	0.00601	0.00268	0.02067	0.00427	0.01067	0.00591	0.00601	3.40E-02	2.56E-04	6.43E-09	5.01E-04	9.21E-04	6.90E-04	9.65E-04	9.41E-04	3.64E-02
961	490336.72	3861085.12	0.00706	0.00611	0.00274	0.02004	0.00425	0.01062	0.00601	0.00611	3.39E-02	2.60E-04	6.57E-09	4.86E-04	9.17E-04	6.87E-04	9.81E-04	9.57E-04	3.63E-02
962	490386.72	3861085.12	0.00703	0.00623	0.00282	0.01948	0.00423	0.01059	0.00612	0.00623	3.37E-02	2.65E-04	6.76E-09	4.72E-04	9.12E-04	6.85E-04	9.99E-04	9.76E-04	3.61E-02
963	490436.72	3861085.12	0.007	0.00634	0.00293	0.01896	0.00419	0.01056	0.00623	0.00634	3.36E-02	2.70E-04	7.03E-09	4.59E-04	9.04E-04	6.83E-04	1.02E-03	9.93E-04	3.59E-02
964	490486.72	3861085.12	0.00697	0.00647	0.00304	0.01847	0.00414	0.01053	0.00634	0.00647	3.34E-02	2.75E-04	7.29E-09	4.47E-04	8.93E-04	6.81E-04	1.03E-03	1.01E-03	3.58E-02
965	490536.72	3861085.12	0.00694	0.00659	0.00314	0.01803	0.00408	0.01051	0.00647	0.00659	3.33E-02	2.80E-04	7.53E-09	4.37E-04	8.80E-04	6.80E-04	1.06E-03	1.03E-03	3.56E-02

966	490586.72	3861085.12	0.00691	0.00672	0.00321	0.0176	0.00401	0.01047	0.00659	0.00672	3.32E-02	2.86E-04	7.70E-09	4.26E-04	8.65E-04	6.77E-04	1.08E-03	1.05E-03	3.54E-02
967	490636.72	3861085.12	0.00688	0.00686	0.00324	0.0172	0.00393	0.01043	0.00672	0.00686	3.30E-02	2.92E-04	7.77E-09	4.17E-04	8.48E-04	6.75E-04	1.10E-03	1.07E-03	3.53E-02
968	490686.72	3861085.12	0.00684	0.007	0.00324	0.01682	0.00384	0.01041	0.00686	0.007	3.28E-02	2.98E-04	7.77E-09	4.07E-04	8.28E-04	6.74E-04	1.12E-03	1.10E-03	3.51E-02
969	490736.72	3861085.12	0.00681	0.00715	0.00322	0.01648	0.00376	0.01039	0.00701	0.00715	3.27E-02	3.04E-04	7.72E-09	3.99E-04	8.11E-04	6.72E-04	1.14E-03	1.12E-03	3.49E-02
970	490786.72	3861085.12	0.00678	0.00731	0.00319	0.01617	0.00367	0.01038	0.00717	0.00731	3.25E-02	3.11E-04	7.65E-09	3.92E-04	7.92E-04	6.72E-04	1.17E-03	1.15E-03	3.47E-02
971	490836.72	3861085.12	0.00675	0.00748	0.00316	0.01587	0.00357	0.01037	0.00734	0.00748	3.24E-02	3.18E-04	7.58E-09	3.84E-04	7.70E-04	6.71E-04	1.20E-03	1.17E-03	3.46E-02
972	490086.72	3861135.12	0.00671	0.00547	0.00255	0.02365	0.00405	0.01023	0.00539	0.00547	3.22E-02	2.33E-04	6.12E-09	5.73E-04	8.73E-04	6.62E-04	8.80E-04	8.57E-04	3.46E-02
973	490136.72	3861135.12	0.00668	0.00555	0.00254	0.02273	0.00411	0.01021	0.00548	0.00555	3.21E-02	2.36E-04	6.09E-09	5.51E-04	8.86E-04	6.61E-04	8.94E-04	8.69E-04	3.44E-02
974	490186.72	3861135.12	0.00666	0.00565	0.00254	0.02191	0.00416	0.01019	0.00556	0.00565	3.20E-02	2.40E-04	6.09E-09	5.31E-04	8.97E-04	6.59E-04	9.08E-04	8.85E-04	3.43E-02
975	490236.72	3861135.12	0.00664	0.00574	0.00255	0.02116	0.00419	0.01017	0.00565	0.00574	3.19E-02	2.44E-04	6.12E-09	5.13E-04	9.04E-04	6.58E-04	9.22E-04	8.99E-04	3.42E-02
976	490286.72	3861135.12	0.00661	0.00583	0.00258	0.02047	0.00419	0.01014	0.00574	0.00583	3.17E-02	2.48E-04	6.19E-09	4.96E-04	9.04E-04	6.56E-04	9.37E-04	9.13E-04	3.40E-02
977	490336.72	3861135.12	0.00658	0.00593	0.00262	0.01984	0.00418	0.0101	0.00584	0.00593	3.16E-02	2.52E-04	6.28E-09	4.81E-04	9.02E-04	6.53E-04	9.53E-04	9.29E-04	3.39E-02
978	490386.72	3861135.12	0.00656	0.00604	0.00269	0.01927	0.00416	0.01007	0.00593	0.00604	3.15E-02	2.57E-04	6.45E-09	4.67E-04	8.97E-04	6.52E-04	9.68E-04	9.46E-04	3.38E-02
979	490436.72	3861135.12	0.00654	0.00614	0.00278	0.01874	0.00413	0.01005	0.00604	0.00614	3.14E-02	2.61E-04	6.67E-09	4.54E-04	8.91E-04	6.50E-04	9.86E-04	9.62E-04	3.37E-02
980	490486.72	3861135.12	0.00651	0.00626	0.00289	0.01825	0.00409	0.01002	0.00614	0.00626	3.12E-02	2.66E-04	6.93E-09	4.42E-04	8.82E-04	6.48E-04	1.00E-03	9.81E-04	3.35E-02
981	490536.72	3861135.12	0.00649	0.00637	0.00299	0.0178	0.00404	0.01	0.00626	0.00637	3.11E-02	2.71E-04	7.17E-09	4.31E-04	8.71E-04	6.47E-04	1.02E-03	9.98E-04	3.34E-02
982	490586.72	3861135.12	0.00647	0.0065	0.00307	0.01738	0.00398	0.00997	0.00637	0.0065	3.10E-02	2.77E-04	7.36E-09	4.21E-04	8.58E-04	6.45E-04	1.04E-03	1.02E-03	3.33E-02
983	490636.72	3861135.12	0.00644	0.00662	0.00312	0.01698	0.0039	0.00994	0.00649	0.00662	3.09E-02	2.82E-04	7.48E-09	4.11E-04	8.41E-04	6.43E-04	1.06E-03	1.04E-03	3.31E-02
984	490686.72	3861135.12	0.00642	0.00675	0.00314	0.01661	0.00383	0.00992	0.00662	0.00675	3.08E-02	2.87E-04	7.53E-09	4.02E-04	8.26E-04	6.42E-04	1.08E-03	1.06E-03	3.30E-02
985	490736.72	3861135.12	0.00639	0.00689	0.00313	0.01627	0.00375	0.00991	0.00676	0.00689	3.07E-02	2.93E-04	7.51E-09	3.94E-04	8.09E-04	6.41E-04	1.10E-03	1.08E-03	3.28E-02
986	490786.72	3861135.12	0.00637	0.00704	0.00311	0.01595	0.00366	0.0099	0.0069	0.00704	3.06E-02	3.00E-04	7.46E-09	3.86E-04	7.89E-04	6.41E-04	1.13E-03	1.10E-03	3.27E-02
987	490836.72	3861135.12	0.00635	0.0072	0.00307	0.01565	0.00357	0.00988	0.00706	0.0072	3.05E-02	3.06E-04	7.36E-09	3.79E-04	7.70E-04	6.39E-04	1.15E-03	1.13E-03	3.26E-02
988	490086.72	3861185.12	0.00625	0.00532	0.00247	0.02346	0.00393	0.00967	0.00525	0.00532	3.00E-02	2.26E-04	5.92E-09	5.68E-04	8.48E-04	6.26E-04	8.57E-04	8.33E-04	3.23E-02
989	490136.72	3861185.12	0.00623	0.00539	0.00245	0.02252	0.00399	0.00965	0.00532	0.00539	2.99E-02	2.29E-04	5.88E-09	5.46E-04	8.61E-04	6.24E-04	8.68E-04	8.44E-04	3.22E-02
990	490186.72	3861185.12	0.00621	0.00548	0.00245	0.02169	0.00405	0.00963	0.0054	0.00548	2.98E-02	2.33E-04	5.88E-09	5.25E-04	8.73E-04	6.23E-04	8.81E-04	8.58E-04	3.21E-02
991	490236.72	3861185.12	0.00619	0.00557	0.00246	0.02095	0.00408	0.00962	0.00549	0.00557	2.97E-02	2.37E-04	5.90E-09	5.08E-04	8.80E-04	6.22E-04	8.96E-04	8.73E-04	3.20E-02
992	490286.72	3861185.12	0.00617	0.00566	0.00248	0.02028	0.00411	0.00962	0.00558	0.00566	2.96E-02	2.41E-04	5.95E-09	4.91E-04	8.86E-04	6.22E-04	9.11E-04	8.87E-04	3.19E-02
993	490336.72	3861185.12	0.00615	0.00575	0.00251	0.01963	0.0041	0.00958	0.00566	0.00575	2.95E-02	2.45E-04	6.02E-09	4.76E-04	8.84E-04	6.20E-04	9.24E-04	9.01E-04	3.18E-02
994	490386.72	3861185.12	0.00613	0.00585	0.00257	0.01906	0.00409	0.00957	0.00576	0.00585	2.94E-02	2.49E-04	6.16E-09	4.62E-04	8.82E-04	6.19E-04	9.40E-04	9.16E-04	3.17E-02
995	490436.72	3861185.12	0.00612	0.00595	0.00265	0.01854	0.00407	0.00956	0.00586	0.00595	2.94E-02	2.53E-04	6.36E-09	4.49E-04	8.78E-04	6.19E-04	9.57E-04	9.32E-04	3.16E-02
996	490486.72	3861185.12	0.0061	0.00606	0.00274	0.01805	0.00403	0.00954	0.00595	0.00606	2.93E-02	2.58E-04	6.57E-09	4.37E-04	8.69E-04	6.17E-04	9.71E-04	9.49E-04	3.15E-02
997	490536.72	3861185.12	0.00609	0.00617	0.00285	0.01761	0.004	0.00954	0.00606	0.00617	2.92E-02	2.63E-04	6.84E-09	4.27E-04	8.63E-04	6.17E-04	9.89E-04	9.67E-04	3.14E-02
998	490586.72	3861185.12	0.00607	0.00629	0.00293	0.01718	0.00394	0.00952	0.00617	0.00629	2.91E-02	2.68E-04	7.03E-09	4.16E-04	8.50E-04	6.16E-04	1.01E-03	9.85E-04	3.13E-02
999	490636.72	3861185.12	0.00604	0.0064	0.00299	0.01677	0.00387	0.00948	0.00628	0.0064	2.90E-02	2.72E-04	7.17E-09	4.06E-04	8.35E-04	6.13E-04	1.03E-03	1.00E-03	3.11E-02
1000	490686.72	3861185.12	0.00602	0.00652	0.00303	0.0164	0.0038	0.00946	0.0064	0.00652	2.89E-02	2.77E-04	7.27E-09	3.97E-04	8.20E-04	6.12E-04	1.04E-03	1.02E-03	3.10E-02
1001	490736.72	3861185.12	0.00601	0.00666	0.00304	0.01608	0.00373	0.00946	0.00652	0.00666	2.88E-02	2.83E-04	7.29E-09	3.90E-04	8.04E-04	6.12E-04	1.06E-03	1.04E-03	3.10E-02
1002	490786.72	3861185.12	0.00599	0.00679	0.00302	0.01576	0.00366	0.00945	0.00666	0.00679	2.87E-02	2.89E-04	7.24E-09	3.82E-04	7.89E-04	6.11E-04	1.09E-03	1.06E-03	3.08E-02
1003	490836.72	3861185.12	0.00597	0.00694	0.003	0.01546	0.00357	0.00944	0.0068	0.00694	2.86E-02	2.95E-04	7.20E-09	3.75E-04	7.70E-04	6.11E-04	1.11E-03	1.09E-03	3.07E-02
1004	490086.72	3861235.12	0.00584	0.00517	0.00239	0.02328	0.00381	0.00915	0.00511	0.00517	2.80E-02	2.20E-04	5.73E-09	5.64E-04	8.22E-04	5.92E-04	8.34E-04	8.10E-04	3.02E-02
1005	490136.72	3861235.12	0.00583	0.00525	0.00237	0.02234	0.00388	0.00913	0.00518	0.00525	2.80E-02	2.23E-04	5.68E-09	5.41E-04	8.37E-04	5.91E-04	8.46E-04	8.22E-04	3.02E-02
1006	490186.72	3861235.12	0.00581	0.00533	0.00237	0.02151	0.00394	0.00913	0.00526	0.00533	2.79E-02	2.27E-04	5.68E-09	5.21E-04	8.50E-04	5.91E-04	8.59E-04	8.35E-04	3.01E-02
1007	490236.72	3861235.12	0.00579	0.00541	0.00237	0.02075	0.00398	0.00912	0.00534	0.00541	2.78E-02	2.30E-04	5.68E-09	5.03E-04	8.58E-04	5.90E-04	8.72E-04	8.47E-04	3.00E-02
1008	490386.72	3861235.12	0.00575	0.00567	0.00246	0.01885	0.00401	0.00909	0.00559	0.00567	2.76E-02	2.41E-04	5.90E-09	4.57E-04	8.65E-04	5.88E-04	9.12E-04	8.88E-04	2.98E-02
1009	490436.72	3861235.12	0.00573	0.00577	0.00252	0.01832	0.00399	0.00908	0.00568	0.00577	2.75E-02	2.46E-04	6.04E-09	4.44E-04	8.61E-04	5.87E-04	9.27E-04	9.04E-04	2.97E-02
1010	490486.72	3861235.12	0.00572	0.00587	0.00261	0.01783	0.00397	0.00907	0.00577	0.00587	2.74E-02	2.50E-04	6.26E-09	4.32E-04	8.56E-04	5.87E-04	9.42E-04	9.20E-04	2.96E-02
1011	490536.72	3861235.12	0.00571	0.00598	0.00271	0.01741	0.00395	0.00909	0.00588	0.00598	2.74E-02	2.54E-04	6.50E-09	4.22E-04	8.52E-04	5.88E-04	9.60E-04	9.37E-04	2.95E-02
1012	490586.72	3861235.12	0.0057	0.00609	0.00281	0.01701	0.00391	0.0091	0.00598	0.00609	2.74E-02	2.59E-04	6.74E-09	4.12E-04	8.43E-04	5.89E-04	9.76E-04	9.54E-04	2.95E-02
1013	490636.72	3861235.12	0.00568	0.00619	0.00287	0.01658	0.00384	0.00905	0.00608	0.00619	2.73E-02	2.63E-04	6.88E-09	4.02E-04	8.28E-04	5.86E-04	9.92E-04	9.70E-04	2.94E-02
1014	490686.72	3861235.12	0.00566	0.00631	0.00292	0.01622	0.00378	0.00903	0.00619	0.00631	2.72E-02	2.68E-04	7.00E-09	3.93E-04	8.15E-04	5.84E-04	1.01E-03	9.88E-04	2.92E-02
1015	490736.72	3861235.12	0.00565	0.00643	0.00294	0.0159	0.00371	0.00903	0.00631	0.00643	2.71E-02	2.74E-04	7.05E-09	3.85E-04	8.00E-04	5.84E-04	1.03E-03	1.01E-03	2.92E-02
1016	490786.72	3861235.12	0.00564	0.00656	0.00294	0.01559	0.00365	0.00903	0.00644	0.00656	2.71E-02	2.79E-04	7.05E-09	3.78E-04	7.87E-04	5.84E-04	1.05E-03	1.03E-03	2.91E-02
1017	490836.72	3861235.12	0.00563	0.0067	0.00292	0.01529	0.00357	0.00902	0.00657	0.0067	2.70E-02	2.85E-04	7.00E-09	3.70E-04	7.70E-04	5.84E-04	1.07E-03	1.05E-03	2.90E-02
1018	490086.72	3861285.12	0.00549	0.00504	0.00232	0.02313	0.00369	0.00868	0.00498	0.00504	2.63E-02	2.14E-04	5.56E-09	5.60E-04	7.96E-04	5.62E-04	8.13E-04	7.90E-04	2.85E-02
1019	490136.72	3861285.12	0.00548	0.00511	0.00231	0.02221	0.00378	0.00869	0.00506	0.00511	2.63E-02	2.17E-04	5.54E-09	5.38E-04	8.15E-04	5.62E-04	8.26E-04	8.00E-04	2.85E-02
1020	490186.72	3861285.12	0.00546	0.00518	0.00229	0.02135	0.00384	0.00868	0.00512	0.00518	2.62E-02	2.20E-04	5.49E-09	5.17E-04	8.28E-04	5.62E-04	8.36E-04	8.11E-04	2.84E-02
1021	490236.72	3861285.12	0.00545	0.00526	0.0023	0.02059	0.00389	0.00867	0.0052	0.00526	2.62E-02	2.24E-04	5.52E-09	4.99E-04	8.39E-04	5.61E-04	8.49E-04	8.24E-04	2.83E-02
1022	490386.72	3861285.12	0.0054	0.00551	0.00236	0.01868	0.00394	0.00866	0.00543	0.00551	2.59E-02	2.34E-04	5.66E-09	4.53E-04	8.50E-04	5.60E-04	8.86E-04	8.63E-04	2.80E-02

1023	490436.72	3861285.12	0.00539	0.0056	0.00242	0.01816	0.00393	0.00866	0.00552	0.0056	2.59E-02	2.38E-04	5.80E-09	4.40E-04	8.48E-04	5.60E-04	9.01E-04	8.77E-04	2.80E-02
1024	490486.72	3861285.12	0.00538	0.00569	0.00249	0.01766	0.00391	0.00865	0.00561	0.00569	2.58E-02	2.42E-04	5.97E-09	4.28E-04	8.43E-04	5.60E-04	9.16E-04	8.91E-04	2.79E-02
1025	490536.72	3861285.12	0.00537	0.00579	0.00258	0.01721	0.00388	0.00865	0.0057	0.00579	2.58E-02	2.46E-04	6.19E-09	4.17E-04	8.37E-04	5.60E-04	9.30E-04	9.07E-04	2.79E-02
1026	490586.72	3861285.12	0.00536	0.0059	0.00267	0.01681	0.00385	0.00866	0.0058	0.0059	2.57E-02	2.51E-04	6.40E-09	4.07E-04	8.30E-04	5.60E-04	9.47E-04	9.24E-04	2.78E-02
1027	490636.72	3861285.12	0.00534	0.006	0.00274	0.0164	0.0038	0.00863	0.00589	0.006	2.56E-02	2.55E-04	6.57E-09	3.97E-04	8.20E-04	5.58E-04	9.61E-04	9.40E-04	2.77E-02
1028	490686.72	3861285.12	0.00533	0.0061	0.0028	0.01604	0.00374	0.00863	0.006	0.0061	2.56E-02	2.60E-04	6.72E-09	3.89E-04	8.07E-04	5.58E-04	9.79E-04	9.56E-04	2.76E-02
1029	490736.72	3861285.12	0.00533	0.00623	0.00285	0.01573	0.00369	0.00864	0.00611	0.00623	2.56E-02	2.65E-04	6.84E-09	3.81E-04	7.96E-04	5.59E-04	9.97E-04	9.76E-04	2.76E-02
1030	490786.72	3861285.12	0.00532	0.00634	0.00285	0.01541	0.00363	0.00863	0.00622	0.00634	2.55E-02	2.70E-04	6.84E-09	3.73E-04	7.83E-04	5.58E-04	1.02E-03	9.93E-04	2.75E-02
1031	490836.72	3861285.12	0.00531	0.00646	0.00284	0.0151	0.00355	0.00862	0.00634	0.00646	2.55E-02	2.75E-04	6.81E-09	3.66E-04	7.66E-04	5.58E-04	1.03E-03	1.01E-03	2.75E-02
1032	490061.24	3859716.13	0.03304	0.05459	0.04168	0.06237	0.0063	0.04456	0.05411	0.05459	1.59E-01	2.32E-03	1.00E-07	1.51E-03	1.36E-03	2.88E-03	8.83E-03	8.55E-03	1.67E-01
1033	490111.24	3859716.13	0.03352	0.06616	0.0406	0.06602	0.0062	0.0472	0.06573	0.06616	1.61E-01	2.82E-03	9.74E-08	1.60E-03	1.34E-03	3.05E-03	1.07E-02	1.04E-02	1.70E-01
1034	490161.24	3859716.13	0.0345	0.08288	0.04005	0.07072	0.00613	0.05059	0.08237	0.08288	1.66E-01	3.53E-03	9.61E-08	1.71E-03	1.32E-03	3.27E-03	1.34E-02	1.30E-02	1.76E-01
1035	490211.24	3859716.13	0.03619	0.10824	0.04005	0.07681	0.00606	0.05503	0.10741	0.10824	1.74E-01	4.61E-03	9.61E-08	1.86E-03	1.31E-03	3.56E-03	1.75E-02	1.70E-02	1.86E-01
1036	490061.24	3859766.13	0.03121	0.03841	0.03259	0.05503	0.00619	0.03998	0.03789	0.03841	1.50E-01	1.63E-03	7.82E-08	1.33E-03	1.34E-03	2.59E-03	6.18E-03	6.02E-03	1.57E-01
1037	490111.24	3859766.13	0.03112	0.04378	0.03167	0.05711	0.00607	0.0416	0.04326	0.04378	1.49E-01	1.86E-03	7.60E-08	1.38E-03	1.31E-03	2.69E-03	7.06E-03	6.86E-03	1.57E-01
1038	490161.24	3859766.13	0.0312	0.05065	0.03082	0.05977	0.00597	0.04359	0.0501	0.05065	1.50E-01	2.16E-03	7.39E-08	1.45E-03	1.29E-03	2.82E-03	8.18E-03	7.93E-03	1.58E-01
1039	490211.24	3859766.13	0.0315	0.06003	0.03026	0.06326	0.0059	0.04615	0.05938	0.06003	1.51E-01	2.55E-03	7.26E-08	1.53E-03	1.27E-03	2.99E-03	9.69E-03	9.40E-03	1.60E-01
1040	490061.24	3859816.13	0.03011	0.02969	0.02621	0.04971	0.0061	0.03663	0.0292	0.02969	1.44E-01	1.26E-03	6.29E-08	1.20E-03	1.32E-03	2.37E-03	4.77E-03	4.65E-03	1.51E-01
1041	490111.24	3859816.13	0.02977	0.03272	0.02566	0.05085	0.00595	0.03765	0.03221	0.03272	1.43E-01	1.39E-03	6.15E-08	1.23E-03	1.28E-03	2.44E-03	5.26E-03	5.13E-03	1.49E-01
1042	490161.24	3859816.13	0.02953	0.03643	0.02509	0.05243	0.00584	0.03891	0.03589	0.03643	1.42E-01	1.55E-03	6.02E-08	1.27E-03	1.26E-03	2.52E-03	5.86E-03	5.71E-03	1.48E-01
1043	490211.24	3859816.13	0.0294	0.041	0.0245	0.05448	0.00575	0.04047	0.04043	0.041	1.41E-01	1.74E-03	5.88E-08	1.32E-03	1.24E-03	2.62E-03	6.60E-03	6.42E-03	1.48E-01
1044	490061.24	3859866.13	0.02933	0.0243	0.02149	0.0457	0.00602	0.03409	0.02385	0.0243	1.41E-01	1.03E-03	5.15E-08	1.11E-03	1.30E-03	2.21E-03	3.89E-03	3.81E-03	1.46E-01
1045	490111.24	3859866.13	0.02886	0.02626	0.02128	0.04628	0.00587	0.03474	0.0258	0.02626	1.38E-01	1.12E-03	5.10E-08	1.12E-03	1.27E-03	2.25E-03	4.21E-03	4.11E-03	1.44E-01
1046	490161.24	3859866.13	0.02847	0.02857	0.02097	0.04719	0.00574	0.03555	0.02808	0.02857	1.37E-01	1.22E-03	5.03E-08	1.14E-03	1.24E-03	2.30E-03	4.58E-03	4.48E-03	1.43E-01
1047	490211.24	3859866.13	0.02815	0.03129	0.0206	0.04842	0.00563	0.03655	0.03077	0.03129	1.35E-01	1.33E-03	4.94E-08	1.17E-03	1.21E-03	2.36E-03	5.02E-03	4.90E-03	1.41E-01
1048	490061.24	3859916.13	0.02871	0.02064	0.01791	0.04261	0.00596	0.03211	0.02024	0.02064	1.38E-01	8.78E-04	4.30E-08	1.03E-03	1.29E-03	2.08E-03	3.30E-03	3.23E-03	1.43E-01
1049	490111.24	3859916.13	0.02816	0.02203	0.01793	0.04281	0.0058	0.0325	0.02161	0.02203	1.35E-01	9.37E-04	4.30E-08	1.04E-03	1.25E-03	2.10E-03	3.53E-03	3.45E-03	1.41E-01
1050	490161.24	3859916.13	0.02766	0.02359	0.01778	0.04324	0.00565	0.03299	0.02316	0.02359	1.33E-01	1.00E-03	4.26E-08	1.05E-03	1.22E-03	2.13E-03	3.78E-03	3.70E-03	1.38E-01
1051	490211.24	3859916.13	0.02722	0.02536	0.01756	0.04391	0.00553	0.03361	0.0249	0.02536	1.31E-01	1.08E-03	4.21E-08	1.06E-03	1.19E-03	2.17E-03	4.06E-03	3.97E-03	1.36E-01
1052	490229.25	3859815.26	0.02942	0.04326	0.02442	0.05555	0.00573	0.04125	0.04266	0.04326	1.41E-01	1.84E-03	5.86E-08	1.35E-03	1.24E-03	2.67E-03	6.96E-03	6.78E-03	1.48E-01
1053	490279.25	3859815.26	0.02947	0.04976	0.02397	0.05842	0.00566	0.04336	0.04905	0.04976	1.41E-01	2.12E-03	5.75E-08	1.42E-03	1.22E-03	2.81E-03	8.01E-03	7.79E-03	1.49E-01
1054	490329.25	3859815.26	0.02972	0.05839	0.02378	0.06212	0.00562	0.04609	0.0575	0.05839	1.43E-01	2.48E-03	5.70E-08	1.50E-03	1.21E-03	2.98E-03	9.39E-03	9.15E-03	1.51E-01
1055	490379.25	3859815.26	0.03032	0.07101	0.02392	0.06725	0.00561	0.04984	0.06972	0.07101	1.46E-01	3.02E-03	5.74E-08	1.63E-03	1.21E-03	3.22E-03	1.14E-02	1.11E-02	1.55E-01
1056	490429.25	3859815.26	0.0314	0.09054	0.02432	0.07433	0.00562	0.05504	0.08843	0.09054	1.51E-01	3.85E-03	5.83E-08	1.80E-03	1.21E-03	3.56E-03	1.44E-02	1.42E-02	1.61E-01
1057	490229.25	3859865.26	0.02807	0.03254	0.02052	0.04905	0.0056	0.03702	0.032	0.03254	1.35E-01	1.38E-03	4.92E-08	1.19E-03	1.21E-03	2.40E-03	5.22E-03	5.10E-03	1.41E-01
1058	490279.25	3859865.26	0.02785	0.03604	0.02007	0.05078	0.00552	0.03834	0.03545	0.03604	1.34E-01	1.53E-03	4.81E-08	1.23E-03	1.19E-03	2.48E-03	5.79E-03	5.65E-03	1.40E-01
1059	490329.25	3859865.26	0.02773	0.04038	0.01968	0.05298	0.00546	0.03999	0.03972	0.04038	1.33E-01	1.72E-03	4.72E-08	1.28E-03	1.18E-03	2.59E-03	6.48E-03	6.33E-03	1.40E-01
1060	490379.25	3859865.26	0.02776	0.04603	0.01948	0.0559	0.00543	0.04213	0.04523	0.04603	1.33E-01	1.96E-03	4.67E-08	1.35E-03	1.17E-03	2.73E-03	7.38E-03	7.21E-03	1.41E-01
1061	490429.25	3859865.26	0.02798	0.05355	0.01948	0.05972	0.00542	0.04492	0.05253	0.05355	1.34E-01	2.28E-03	4.67E-08	1.45E-03	1.17E-03	2.91E-03	8.57E-03	8.39E-03	1.42E-01
1062	490229.25	3859915.26	0.0271	0.02617	0.01753	0.04431	0.00549	0.03392	0.02569	0.02617	1.30E-01	1.11E-03	4.20E-08	1.07E-03	1.18E-03	2.19E-03	4.19E-03	4.10E-03	1.36E-01
1063	490279.25	3859915.26	0.02675	0.02832	0.01724	0.04531	0.00539	0.03475	0.02781	0.02832	1.28E-01	1.20E-03	4.13E-08	1.10E-03	1.16E-03	2.25E-03	4.54E-03	4.44E-03	1.34E-01
1064	490329.25	3859915.26	0.02647	0.03092	0.01692	0.04668	0.00532	0.0358	0.03036	0.03092	1.27E-01	1.32E-03	4.06E-08	1.13E-03	1.15E-03	2.32E-03	4.96E-03	4.84E-03	1.33E-01
1065	490379.25	3859915.26	0.02628	0.03407	0.01661	0.04845	0.00527	0.03713	0.03345	0.03407	1.26E-01	1.45E-03	3.98E-08	1.17E-03	1.14E-03	2.40E-03	5.46E-03	5.34E-03	1.32E-01
1066	490429.25	3859915.26	0.02619	0.03792	0.01638	0.05068	0.00524	0.03879	0.03722	0.03792	1.26E-01	1.61E-03	3.93E-08	1.23E-03	1.13E-03	2.51E-03	6.08E-03	5.94E-03	1.32E-01
1067	490451.43	3859872.59	0.02778	0.05411	0.01896	0.05997	0.00539	0.04519	0.05304	0.05411	1.33E-01	2.30E-03	4.55E-08	1.45E-03	1.16E-03	2.92E-03	8.66E-03	8.48E-03	1.41E-01
1068	490501.43	3859872.59	0.02829	0.06503	0.01919	0.0653	0.0054	0.04906	0.06349	0.06503	1.36E-01	2.77E-03	4.60E-08	1.58E-03	1.16E-03	3.17E-03	1.04E-02	1.02E-02	1.45E-01
1069	490551.43	3859872.59	0.02918	0.08196	0.0196	0.0727	0.00543	0.05454	0.07949	0.08196	1.40E-01	3.49E-03	4.70E-08	1.76E-03	1.17E-03	3.53E-03	1.30E-02	1.28E-02	1.50E-01
1070	490601.43	3859872.59	0.03065	0.1089	0.02007	0.08275	0.00546	0.06221	0.1045	0.1089	1.47E-01	4.63E-03	4.81E-08	2.00E-03	1.18E-03	4.03E-03	1.71E-02	1.71E-02	1.59E-01
1071	490451.43	3859922.59	0.02597	0.03824	0.01596	0.05075	0.00521	0.03891	0.03751	0.03824	1.25E-01	1.63E-03	3.83E-08	1.23E-03	1.12E-03	2.52E-03	6.12E-03	5.99E-03	1.31E-01
1072	490501.43	3859922.59	0.02605	0.04331	0.01593	0.05379	0.00521	0.04111	0.04243	0.04331	1.25E-01	1.84E-03	3.82E-08	1.30E-03	1.12E-03	2.66E-03	6.93E-03	6.78E-03	1.32E-01
1073	490551.43	3859922.59	0.02632	0.05027	0.01608	0.05789	0.00522	0.04406	0.04913	0.05027	1.26E-01	2.14E-03	3.86E-08	1.40E-03	1.13E-03	2.85E-03	8.02E-03	7.87E-03	1.34E-01
1074	490601.43	3859922.59	0.02682	0.05999	0.01635	0.06329	0.00526	0.04803	0.05837	0.05999	1.29E-01	2.55E-03	3.92E-08	1.53E-03	1.13E-03	3.11E-03	9.53E-03	9.40E-03	1.37E-01
1075	482129.67	3852241.07	0.01311	0.07141	0.00162	0.00225	0.00217	0.00273	0.07183	0.07141	6.29E-02	3.04E-03	3.89E-09	5.45E-05	4.68E-04	1.77E-04	1.17E-02	1.12E-02	6.72E-02
1076	482029.67	3852291.07	0.02157	0.13328	0.0016	0.00231	0.00223	0.00274	0.1337	0.13328	1.04E-01	5.67E-03	3.84E-09	5.60E-05	4.81E-04	1.77E-04	2.18E-02	2.09E-02	1.11E-01
1077	482079.67	3852291.07	0.0174	0.10337	0.00161	0.0023	0.00222	0.00276	0.10381	0.10337	8.35E-02	4.40E-03	3.86E-09	5.57E-05	4.79E-04	1.79E-04	1.69E-02	1.62E-02	8.94E-02
1078	482129.67	3852291.07	0.01486	0.08402	0.00164	0.0023	0.00221	0.0028	0.08446	0.08402	7.13E-02	3.57E-03	3.93E-09	5.57E-05	4.77E-04	1.81E-04	1.38E-02	1.32E-02	7.62E-02
1079	482179.67	3852291.07	0.01319	0.0699	0.00168	0.00231	0.0022	0.00283	0.07028	0.0699	6.33E-02	2.97E-03	4.03E-09	5.60E-05	4.74E-04	1.83E-04	1.15E-02	1.09E-02	6.75E-02

1080	482229.67	3852291.07	0.01205	0.05916	0.00172	0.00232	0.00219	0.00286	0.05958	0.05916	5.78E-02	2.52E-03	4.13E-09	5.62E-05	4.72E-04	1.85E-04	9.73E-03	9.27E-03	6.15E-02
1081	482029.67	3852341.07	0.02863	0.18384	0.00164	0.00237	0.00226	0.00282	0.18406	0.18384	1.37E-01	7.82E-03	3.93E-09	5.74E-05	4.87E-04	1.82E-04	3.00E-02	2.88E-02	1.47E-01
1082	482079.67	3852341.07	0.02156	0.13212	0.00165	0.00236	0.00225	0.00284	0.13253	0.13212	1.03E-01	5.62E-03	3.96E-09	5.72E-05	4.85E-04	1.84E-04	2.16E-02	2.07E-02	1.11E-01
1083	482129.67	3852341.07	0.01743	0.10255	0.00167	0.00235	0.00225	0.00287	0.103	0.10255	8.36E-02	4.36E-03	4.01E-09	5.69E-05	4.85E-04	1.86E-04	1.68E-02	1.61E-02	8.95E-02
1084	482179.67	3852341.07	0.01492	0.08304	0.0017	0.00236	0.00224	0.0029	0.08348	0.08304	7.16E-02	3.53E-03	4.08E-09	5.72E-05	4.83E-04	1.88E-04	1.36E-02	1.30E-02	7.65E-02
1085	482259.06	3852400.14	0.0142	0.07835	0.00184	0.00244	0.00226	0.00306	0.07876	0.07835	6.81E-02	3.33E-03	4.41E-09	5.91E-05	4.87E-04	1.98E-04	1.29E-02	1.23E-02	7.28E-02
1086	482309.06	3852400.14	0.01283	0.06474	0.00189	0.00246	0.00226	0.00308	0.0651	0.06474	6.16E-02	2.75E-03	4.53E-09	5.96E-05	4.87E-04	1.99E-04	1.06E-02	1.01E-02	6.56E-02
1087	482209.06	3852450.14	0.01965	0.11735	0.00181	0.00249	0.00231	0.0031	0.11781	0.11735	9.43E-02	4.99E-03	4.34E-09	6.03E-05	4.98E-04	2.01E-04	1.92E-02	1.84E-02	1.01E-01
1088	482259.06	3852450.14	0.01639	0.09356	0.00186	0.00249	0.0023	0.00314	0.09399	0.09356	7.87E-02	3.98E-03	4.46E-09	6.03E-05	4.96E-04	2.03E-04	1.53E-02	1.47E-02	8.41E-02
1089	482309.06	3852450.14	0.01434	0.0764	0.00191	0.00251	0.0023	0.00316	0.0768	0.0764	6.88E-02	3.25E-03	4.58E-09	6.08E-05	4.96E-04	2.04E-04	1.25E-02	1.20E-02	7.34E-02
1090	482209.06	3852500.14	0.02524	0.15459	0.00184	0.00256	0.00234	0.00319	0.15502	0.15459	1.21E-01	6.58E-03	4.41E-09	6.20E-05	5.05E-04	2.06E-04	2.53E-02	2.42E-02	1.30E-01
1091	482259.06	3852500.14	0.01972	0.11626	0.00188	0.00256	0.00234	0.00322	0.11669	0.11626	9.46E-02	4.95E-03	4.51E-09	6.20E-05	5.05E-04	2.08E-04	1.90E-02	1.82E-02	1.01E-01
1092	482309.06	3852500.14	0.01651	0.09202	0.00194	0.00257	0.00233	0.00325	0.09244	0.09202	7.92E-02	3.92E-03	4.65E-09	6.23E-05	5.03E-04	2.10E-04	1.51E-02	1.44E-02	8.46E-02
1093	482283.91	3852513.62	0.01887	0.10957	0.00192	0.00258	0.00235	0.00326	0.11	0.10957	9.06E-02	4.66E-03	4.60E-09	6.25E-05	5.07E-04	2.11E-04	1.80E-02	1.72E-02	9.68E-02
1094	482333.91	3852513.62	0.01599	0.08792	0.00198	0.00259	0.00234	0.00329	0.08832	0.08792	7.67E-02	3.74E-03	4.75E-09	6.27E-05	5.05E-04	2.13E-04	1.44E-02	1.38E-02	8.19E-02
1095	482283.91	3852563.62	0.02374	0.14206	0.00196	0.00265	0.00238	0.00336	0.14252	0.14206	1.14E-01	6.04E-03	4.70E-09	6.42E-05	5.13E-04	2.17E-04	2.33E-02	2.23E-02	1.22E-01
1096	482333.91	3852563.62	0.01895	0.10901	0.00202	0.00266	0.00238	0.00339	0.10943	0.10901	9.09E-02	4.64E-03	4.84E-09	6.44E-05	5.13E-04	2.19E-04	1.79E-02	1.71E-02	9.72E-02
1097	482383.91	3852563.62	0.01609	0.08805	0.0021	0.00268	0.00237	0.00341	0.08842	0.08805	7.72E-02	3.75E-03	5.04E-09	6.49E-05	5.11E-04	2.21E-04	1.44E-02	1.38E-02	8.24E-02
1098	482283.91	3852613.62	0.03171	0.19722	0.00198	0.00274	0.00242	0.00346	0.19753	0.19722	1.52E-01	8.39E-03	4.75E-09	6.64E-05	5.22E-04	2.24E-04	3.22E-02	3.09E-02	1.63E-01
1099	482333.91	3852613.62	0.02381	0.14064	0.00205	0.00274	0.00241	0.00349	0.14104	0.14064	1.14E-01	5.98E-03	4.92E-09	6.64E-05	5.20E-04	2.26E-04	2.30E-02	2.20E-02	1.22E-01
1100	482383.91	3852613.62	0.01907	0.10838	0.00214	0.00274	0.00241	0.00352	0.10876	0.10838	9.15E-02	4.61E-03	5.13E-09	6.64E-05	5.20E-04	2.28E-04	1.78E-02	1.70E-02	9.77E-02
1101	482602.38	3852600.87	0.01161	0.04918	0.00244	0.00282	0.00236	0.00346	0.0495	0.04918	5.57E-02	2.09E-03	5.85E-09	6.83E-05	5.09E-04	2.24E-04	8.08E-03	7.70E-03	5.90E-02
1102	482652.38	3852600.87	0.01094	0.04389	0.00247	0.00285	0.00235	0.00346	0.04433	0.04389	5.25E-02	1.87E-03	5.92E-09	6.90E-05	5.07E-04	2.24E-04	7.24E-03	6.88E-03	5.55E-02
1103	482702.38	3852600.87	0.01044	0.03835	0.00246	0.00287	0.00234	0.00343	0.03889	0.03835	5.01E-02	1.63E-03	5.90E-09	6.95E-05	5.05E-04	2.22E-04	6.35E-03	6.01E-03	5.29E-02
1104	482552.38	3852650.87	0.01365	0.06479	0.00245	0.00288	0.00242	0.0036	0.06503	0.06479	6.55E-02	2.76E-03	5.88E-09	6.98E-05	5.22E-04	2.33E-04	1.06E-02	1.01E-02	6.96E-02
1105	482602.38	3852650.87	0.01256	0.05585	0.00251	0.0029	0.00241	0.00359	0.05618	0.05585	6.03E-02	2.38E-03	6.02E-09	7.03E-05	5.20E-04	2.32E-04	9.17E-03	8.75E-03	6.39E-02
1106	482652.38	3852650.87	0.0117	0.04935	0.00255	0.00292	0.00239	0.00359	0.04978	0.04935	5.61E-02	2.10E-03	6.12E-09	7.07E-05	5.15E-04	2.32E-04	8.13E-03	7.73E-03	5.95E-02
1107	482702.38	3852650.87	0.01102	0.04415	0.00257	0.00295	0.00238	0.00358	0.04467	0.04415	5.29E-02	1.88E-03	6.16E-09	7.15E-05	5.13E-04	2.32E-04	7.29E-03	6.92E-03	5.60E-02
1108	482552.38	3852700.87	0.01532	0.07621	0.00249	0.00296	0.00246	0.00374	0.07649	0.07621	7.35E-02	3.24E-03	5.97E-09	7.17E-05	5.31E-04	2.42E-04	1.25E-02	1.19E-02	7.82E-02
1109	482602.38	3852700.87	0.0138	0.06517	0.00258	0.00298	0.00245	0.00374	0.06549	0.06517	6.62E-02	2.77E-03	6.19E-09	7.22E-05	5.28E-04	2.42E-04	1.07E-02	1.02E-02	7.03E-02
1110	482652.38	3852700.87	0.01263	0.05759	0.00265	0.00299	0.00243	0.00375	0.05802	0.05759	6.06E-02	2.45E-03	6.36E-09	7.24E-05	5.24E-04	2.43E-04	9.47E-03	9.02E-03	6.43E-02
1111	482702.38	3852700.87	0.01179	0.05019	0.00267	0.00302	0.00242	0.00373	0.05072	0.05019	5.66E-02	2.14E-03	6.40E-09	7.32E-05	5.22E-04	2.41E-04	8.28E-03	7.86E-03	6.00E-02
1112	482452.38	3852750.87	0.02673	0.15323	0.00233	0.003	0.0025	0.00388	0.15349	0.15323	1.28E-01	6.52E-03	5.59E-09	7.27E-05	5.39E-04	2.51E-04	2.51E-02	2.40E-02	1.37E-01
1113	482521.29	3852749.74	0.0195	0.10437	0.00248	0.00303	0.0025	0.00389	0.10464	0.10437	9.36E-02	4.44E-03	5.95E-09	7.34E-05	5.39E-04	2.52E-04	1.71E-02	1.63E-02	9.96E-02
1114	482571.29	3852749.74	0.01671	0.08485	0.00258	0.00305	0.00249	0.00388	0.08513	0.08485	8.02E-02	3.61E-03	6.19E-09	7.39E-05	5.37E-04	2.51E-04	1.39E-02	1.33E-02	8.53E-02
1115	482521.29	3852799.74	0.02433	0.13429	0.00253	0.00312	0.00254	0.00404	0.13453	0.13429	1.17E-01	5.71E-03	6.07E-09	7.56E-05	5.48E-04	2.61E-04	2.20E-02	2.10E-02	1.24E-01
1116	482571.29	3852799.74	0.0198	0.10395	0.00264	0.00315	0.00253	0.00404	0.10423	0.10395	9.50E-02	4.42E-03	6.33E-09	7.63E-05	5.46E-04	2.61E-04	1.70E-02	1.63E-02	1.01E-01
1117	482621.29	3852799.74	0.017	0.08434	0.00274	0.00317	0.00253	0.00403	0.0847	0.08434	8.16E-02	3.59E-03	6.57E-09	7.68E-05	5.46E-04	2.61E-04	1.38E-02	1.32E-02	8.67E-02
1118	482571.29	3852849.74	0.02491	0.13264	0.00268	0.00325	0.00257	0.0042	0.13288	0.13264	1.20E-01	5.64E-03	6.43E-09	7.87E-05	5.54E-04	2.72E-04	2.17E-02	2.08E-02	1.27E-01
1119	482621.29	3852849.74	0.02035	0.10214	0.00279	0.00328	0.00257	0.00419	0.10249	0.10214	9.77E-02	4.35E-03	6.69E-09	7.95E-05	5.54E-04	2.71E-04	1.67E-02	1.60E-02	1.04E-01
1120	482577.42	3852901.55	0.03298	0.17504	0.00273	0.00338	0.00261	0.00438	0.17519	0.17504	1.58E-01	7.45E-03	6.55E-09	8.19E-05	5.63E-04	2.83E-04	2.86E-02	2.74E-02	1.68E-01
1121	482627.42	3852901.55	0.02537	0.12589	0.00285	0.00341	0.00261	0.00437	0.12624	0.12589	1.22E-01	5.36E-03	6.84E-09	8.26E-05	5.63E-04	2.83E-04	2.06E-02	1.97E-02	1.29E-01
1122	482629.96	3852955.85	0.0347	0.17123	0.00291	0.00355	0.00265	0.00459	0.17172	0.17123	1.67E-01	7.29E-03	6.98E-09	8.60E-05	5.72E-04	2.97E-04	2.80E-02	2.68E-02	1.76E-01
1123	482679.96	3852955.85	0.02662	0.12238	0.00302	0.00358	0.00265	0.00458	0.12327	0.12238	1.28E-01	5.21E-03	7.24E-09	8.67E-05	5.72E-04	2.96E-04	2.01E-02	1.92E-02	1.35E-01
1124	482781.63	3853034.48	0.02412	0.09022	0.00328	0.00388	0.00272	0.00491	0.09208	0.09022	1.16E-01	3.84E-03	7.87E-09	9.40E-05	5.87E-04	3.18E-04	1.50E-02	1.41E-02	1.21E-01
1125	482831.63	3853034.48	0.02035	0.07262	0.00329	0.00391	0.00272	0.00488	0.0742	0.07262	9.77E-02	3.09E-03	7.89E-09	9.47E-05	5.87E-04	3.16E-04	1.21E-02	1.14E-02	1.02E-01
1126	482881.63	3853034.48	0.01789	0.06025	0.00325	0.00397	0.00271	0.00485	0.06165	0.06025	8.59E-02	2.56E-03	7.79E-09	9.62E-05	5.84E-04	3.14E-04	1.01E-02	9.44E-03	9.00E-02
1127	482781.63	3853084.48	0.02788	0.10204	0.00338	0.00407	0.00276	0.00517	0.10403	0.10204	1.34E-01	4.34E-03	8.11E-09	9.86E-05	5.95E-04	3.35E-04	1.70E-02	1.60E-02	1.40E-01
1128	482831.63	3853084.48	0.02285	0.08005	0.0034	0.0041	0.00276	0.00516	0.08173	0.08005	1.10E-01	3.41E-03	8.15E-09	9.93E-05	5.95E-04	3.34E-04	1.33E-02	1.25E-02	1.15E-01
1129	482881.63	3853084.48	0.01971	0.06595	0.00338	0.00414	0.00276	0.00513	0.06743	0.06595	9.46E-02	2.81E-03	8.11E-09	1.00E-04	5.95E-04	3.32E-04	1.10E-02	1.03E-02	9.91E-02
1130	482781.63	3853134.48	0.03223	0.11897	0.0035	0.00427	0.0028	0.00547	0.12102	0.11897	1.55E-01	5.06E-03	8.39E-09	1.03E-04	6.04E-04	3.54E-04	1.98E-02	1.86E-02	1.62E-01
1131	482831.63	3853134.48	0.02561	0.08999	0.00353	0.0043	0.0028	0.00546	0.09175	0.08999	1.23E-01	3.83E-03	8.47E-09	1.04E-04	6.04E-04	3.53E-04	1.50E-02	1.41E-02	1.29E-01
1132	482881.63	3853134.48	0.02166	0.0727	0.00353	0.00435	0.0028	0.00546	0.07423	0.0727	1.04E-01	3.09E-03	8.47E-09	1.05E-04	6.04E-04	3.53E-04	1.21E-02	1.14E-02	1.09E-01
1133	482831.63	3853184.48	0.02909	0.10328	0.00367	0.00453	0.00284	0.00581	0.10521	0.10328	1.40E-01	4.39E-03	8.80E-09	1.10E-04	6.13E-04	3.76E-04	1.72E-02	1.62E-02	1.46E-01
1134	482881.63	3853184.48	0.024	0.08081	0.00367	0.00458	0.00284	0.00581	0.08251	0.08081	1.15E-01	3.44E-03	8.80E-09	1.11E-04	6.13E-04	3.76E-04	1.35E-02	1.27E-02	1.21E-01
1135	484154.84	3854250.98	0.03837	0.01251	0.01306	0.06103	0.00424	0.04178	0.03338	0.01251	1.84E-01	5.32E-04	3.13E-08	1.48E-03	9.14E-04	2.70E-03	5.45E-03	1.96E-03	1.93E-01
1136	484204.84	3854250.98	0.03707	0.01212	0.01327	0.05661	0.00424	0.03921	0.03156	0.01212	1.78E-01	5.16E-04	3.18E-08	1.37E-03	9.14E-04	2.54E-03	5.15E-03	1.90E-03	1.86E-01

1137	484154.84	3854300.98	0.04185	0.01239	0.01511	0.06911	0.00431	0.04529	0.03659	0.01239	2.01E-01	5.27E-04	3.62E-08	1.67E-03	9.30E-04	2.93E-03	5.97E-03	1.94E-03	2.11E-01
1138	484204.84	3854300.98	0.0402	0.01208	0.01541	0.06408	0.00432	0.04257	0.03468	0.01208	1.93E-01	5.14E-04	3.70E-08	1.55E-03	9.32E-04	2.75E-03	5.66E-03	1.89E-03	2.02E-01
1139	484074.19	3854519.8	0.07432	0.01368	0.03248	0.24743	0.00458	0.11494	0.09365	0.01368	3.57E-01	5.82E-04	7.79E-08	5.99E-03	9.88E-04	7.44E-03	1.53E-02	2.14E-03	3.85E-01
1140	484124.19	3854519.8	0.06889	0.01314	0.03198	0.18919	0.00458	0.0936	0.07897	0.01314	3.31E-01	5.59E-04	7.67E-08	4.58E-03	9.88E-04	6.06E-03	1.29E-02	2.06E-03	3.54E-01
1141	484074.19	3854569.8	0.08788	0.01402	0.03958	0.41988	0.00468	0.16208	0.13036	0.01402	4.22E-01	5.97E-04	9.49E-08	1.02E-02	1.01E-03	1.05E-02	2.13E-02	2.20E-03	4.63E-01
1142	484124.19	3854569.8	0.08019	0.01338	0.03853	0.27709	0.00467	0.12116	0.10328	0.01338	3.85E-01	5.69E-04	9.24E-08	6.71E-03	1.01E-03	7.84E-03	1.69E-02	2.10E-03	4.16E-01
1143	485205.11	3855188.89	0.07864	0.0126	0.02103	0.20887	0.00755	0.09174	0.07467	0.0126	3.77E-01	5.36E-04	5.04E-08	5.06E-03	1.63E-03	5.94E-03	1.22E-02	1.97E-03	4.01E-01
1144	485255.11	3855188.89	0.07414	0.01216	0.02041	0.16322	0.00754	0.07769	0.06395	0.01216	3.56E-01	5.17E-04	4.90E-08	3.95E-03	1.63E-03	5.03E-03	1.04E-02	1.90E-03	3.75E-01
1145	485205.11	3855238.89	0.08696	0.01288	0.02057	0.29136	0.00782	0.11067	0.08647	0.01288	4.17E-01	5.48E-04	4.93E-08	7.06E-03	1.69E-03	7.16E-03	1.41E-02	2.02E-03	4.46E-01
1146	485255.11	3855238.89	0.08049	0.01257	0.02038	0.21454	0.00785	0.0919	0.07332	0.01257	3.86E-01	5.35E-04	4.89E-08	5.20E-03	1.69E-03	5.95E-03	1.20E-02	1.97E-03	4.10E-01
1147	485205.11	3855288.89	0.0959	0.01363	0.0211	0.53194	0.00816	0.15562	0.11253	0.01363	4.60E-01	5.80E-04	5.06E-08	1.29E-02	1.76E-03	1.01E-02	1.84E-02	2.14E-03	5.02E-01
1148	485255.11	3855288.89	0.08755	0.01322	0.02101	0.32438	0.00819	0.11884	0.09004	0.01322	4.20E-01	5.62E-04	5.04E-08	7.86E-03	1.77E-03	7.69E-03	1.47E-02	2.07E-03	4.51E-01
1149	485255.11	3855338.89	0.09744	0.01394	0.02191	0.60647	0.00855	0.16438	0.11524	0.01394	4.68E-01	5.93E-04	5.25E-08	1.47E-02	1.84E-03	1.06E-02	1.88E-02	2.18E-03	5.12E-01
1150	485305.11	3855338.89	0.08863	0.01347	0.02178	0.3553	0.00858	0.12409	0.09209	0.01347	4.25E-01	5.73E-04	5.22E-08	8.61E-03	1.85E-03	8.03E-03	1.50E-02	2.11E-03	4.57E-01
1151	485852.5	3855635.28	0.06917	0.01283	0.03183	0.13223	0.01205	0.06463	0.04837	0.01283	3.32E-01	5.46E-04	7.63E-08	3.20E-03	2.60E-03	4.18E-03	7.90E-03	2.01E-03	3.48E-01
1152	485902.5	3855635.28	0.06631	0.01243	0.03108	0.11274	0.01213	0.05785	0.04363	0.01243	3.18E-01	5.29E-04	7.45E-08	2.73E-03	2.62E-03	3.74E-03	7.12E-03	1.95E-03	3.33E-01
1153	485852.5	3855685.28	0.07354	0.01327	0.03535	0.16349	0.01271	0.07386	0.05388	0.01327	3.53E-01	5.65E-04	8.48E-08	3.96E-03	2.74E-03	4.78E-03	8.79E-03	2.08E-03	3.72E-01
1154	485902.5	3855685.28	0.07017	0.01283	0.03423	0.1344	0.01278	0.06489	0.04802	0.01283	3.37E-01	5.46E-04	8.21E-08	3.26E-03	2.76E-03	4.20E-03	7.84E-03	2.01E-03	3.53E-01
1155	485852.5	3855735.28	0.07877	0.01373	0.03925	0.21368	0.01343	0.08662	0.06084	0.01373	3.78E-01	5.84E-04	9.41E-08	5.18E-03	2.90E-03	5.60E-03	9.93E-03	2.15E-03	4.00E-01
1156	485902.5	3855735.28	0.07448	0.01333	0.03796	0.16895	0.01352	0.07475	0.05377	0.01333	3.57E-01	5.67E-04	9.10E-08	4.09E-03	2.92E-03	4.84E-03	8.78E-03	2.09E-03	3.77E-01
1157	485852.5	3855785.28	0.08511	0.0143	0.04388	0.31259	0.01423	0.10739	0.07047	0.0143	4.08E-01	6.08E-04	1.05E-07	7.57E-03	3.07E-03	6.95E-03	1.15E-02	2.24E-03	4.36E-01
1158	485902.5	3855785.28	0.07991	0.01376	0.04177	0.22363	0.01431	0.08784	0.06057	0.01376	3.83E-01	5.85E-04	1.00E-07	5.42E-03	3.09E-03	5.68E-03	9.89E-03	2.16E-03	4.06E-01
1159	486809.46	3856465.28	0.07017	0.01363	0.0169	0.14549	0.06203	0.06734	0.04348	0.01363	3.37E-01	5.80E-04	4.05E-08	3.52E-03	1.34E-02	4.36E-03	7.10E-03	2.14E-03	3.64E-01
1160	486859.46	3856465.28	0.06686	0.01341	0.01671	0.12375	0.06483	0.06107	0.04016	0.01341	3.21E-01	5.71E-04	4.01E-08	3.00E-03	1.40E-02	3.95E-03	6.56E-03	2.10E-03	3.47E-01
1161	486909.46	3856465.28	0.06399	0.01318	0.01645	0.10779	0.06761	0.056	0.03733	0.01318	3.07E-01	5.61E-04	3.95E-08	2.61E-03	1.46E-02	3.62E-03	6.09E-03	2.06E-03	3.32E-01
1162	486809.46	3856515.28	0.07409	0.01407	0.01622	0.17987	0.06996	0.0769	0.04778	0.01407	3.56E-01	5.99E-04	3.89E-08	4.36E-03	1.51E-02	4.98E-03	7.80E-03	2.20E-03	3.86E-01
1163	486859.46	3856515.28	0.07018	0.01387	0.01612	0.14737	0.07367	0.06855	0.04375	0.01387	3.37E-01	5.90E-04	3.87E-08	3.57E-03	1.59E-02	4.44E-03	7.14E-03	2.17E-03	3.66E-01
1164	486909.46	3856515.28	0.06686	0.01364	0.01595	0.12508	0.0774	0.06206	0.04038	0.01364	3.21E-01	5.80E-04	3.83E-08	3.03E-03	1.67E-02	4.02E-03	6.59E-03	2.14E-03	3.50E-01
1165	486980.94	3856357.95	0.05588	0.01211	0.01726	0.07309	0.0545	0.04279	0.02965	0.01211	2.68E-01	5.15E-04	4.14E-08	1.77E-03	1.18E-02	2.77E-03	4.84E-03	1.90E-03	2.88E-01
1166	487030.94	3856357.95	0.05407	0.01194	0.01687	0.06749	0.05656	0.04057	0.02818	0.01194	2.59E-01	5.08E-04	4.05E-08	1.64E-03	1.22E-02	2.62E-03	4.60E-03	1.87E-03	2.79E-01
1167	486980.94	3856407.95	0.05782	0.01248	0.01667	0.08057	0.06174	0.04598	0.03155	0.01248	2.77E-01	5.31E-04	4.00E-08	1.95E-03	1.33E-02	2.98E-03	5.15E-03	1.96E-03	2.99E-01
1168	487030.94	3856407.95	0.05585	0.01229	0.0163	0.07373	0.06418	0.04335	0.02985	0.01229	2.68E-01	5.23E-04	3.91E-08	1.79E-03	1.38E-02	2.80E-03	4.87E-03	1.93E-03	2.90E-01
1169	487447.18	3856437.45	0.04462	0.01125	0.01358	0.04549	0.08408	0.0313	0.02138	0.01125	2.14E-01	4.79E-04	3.26E-08	1.10E-03	1.81E-02	2.03E-03	3.49E-03	1.76E-03	2.38E-01
1170	487497.18	3856437.45	0.04354	0.01113	0.0134	0.04345	0.08473	0.03035	0.02065	0.01113	2.09E-01	4.74E-04	3.21E-08	1.05E-03	1.83E-02	1.96E-03	3.37E-03	1.74E-03	2.32E-01
1171	487547.18	3856437.45	0.0425	0.01103	0.01324	0.04161	0.08572	0.02948	0.01998	0.01103	2.04E-01	4.69E-04	3.18E-08	1.01E-03	1.85E-02	1.91E-03	3.26E-03	1.73E-03	2.27E-01
1172	487447.18	3856487.45	0.04562	0.01154	0.01325	0.04802	0.10076	0.03275	0.02221	0.01154	2.19E-01	4.91E-04	3.18E-08	1.16E-03	2.17E-02	2.12E-03	3.63E-03	1.81E-03	2.46E-01
1173	487497.18	3856487.45	0.04448	0.01141	0.01307	0.04573	0.10209	0.03168	0.02141	0.01141	2.13E-01	4.85E-04	3.13E-08	1.11E-03	2.20E-02	2.05E-03	3.49E-03	1.79E-03	2.41E-01
1174	487547.18	3856487.45	0.04338	0.0113	0.01292	0.04367	0.10388	0.03072	0.02068	0.0113	2.08E-01	4.81E-04	3.10E-08	1.06E-03	2.24E-02	1.99E-03	3.38E-03	1.77E-03	2.36E-01
1175	487447.18	3856537.45	0.0467	0.01185	0.01297	0.05087	0.12202	0.03435	0.02312	0.01185	2.24E-01	5.04E-04	3.11E-08	1.23E-03	2.63E-02	2.22E-03	3.77E-03	1.86E-03	2.56E-01
1176	487497.18	3856537.45	0.04548	0.0117	0.01281	0.04827	0.1245	0.03315	0.02224	0.0117	2.18E-01	4.98E-04	3.07E-08	1.17E-03	2.69E-02	2.14E-03	3.63E-03	1.83E-03	2.51E-01
1177	487547.18	3856537.45	0.0443	0.01159	0.01268	0.04596	0.12761	0.03209	0.02145	0.01159	2.13E-01	4.93E-04	3.04E-08	1.11E-03	2.75E-02	2.08E-03	3.50E-03	1.82E-03	2.45E-01
1178	489285.89	3858826.54	0.0546	0.05323	0.01981	0.54893	0.01414	0.14693	0.05522	0.05323	2.62E-01	2.26E-03	4.75E-08	1.33E-02	3.05E-03	9.51E-03	9.01E-03	8.34E-03	2.91E-01
1179	489335.89	3858826.54	0.05231	0.04959	0.02024	0.37533	0.01396	0.1242	0.05063	0.04959	2.51E-01	2.11E-03	4.85E-08	9.09E-03	3.01E-03	8.04E-03	8.26E-03	7.77E-03	2.74E-01
1180	489385.89	3858826.54	0.05027	0.04639	0.0207	0.28802	0.01383	0.10854	0.04671	0.04639	2.41E-01	1.97E-03	4.96E-08	6.98E-03	2.98E-03	7.02E-03	7.62E-03	7.27E-03	2.61E-01
1181	489435.89	3858826.54	0.04845	0.04362	0.02126	0.23564	0.01374	0.09725	0.04343	0.04362	2.33E-01	1.86E-03	5.10E-08	5.71E-03	2.96E-03	6.29E-03	7.09E-03	6.83E-03	2.50E-01
1182	489485.89	3858826.54	0.04678	0.0412	0.0221	0.20062	0.0137	0.08864	0.04064	0.0412	2.24E-01	1.75E-03	5.30E-08	4.86E-03	2.95E-03	5.74E-03	6.63E-03	6.45E-03	2.40E-01
1183	489535.89	3858826.54	0.04525	0.03905	0.02329	0.17543	0.01369	0.08177	0.03822	0.03905	2.17E-01	1.66E-03	5.59E-08	4.25E-03	2.95E-03	5.29E-03	6.24E-03	6.12E-03	2.31E-01
1184	489585.89	3858826.54	0.04385	0.03713	0.02419	0.15644	0.01372	0.07616	0.03613	0.03713	2.10E-01	1.58E-03	5.80E-08	3.79E-03	2.96E-03	4.93E-03	5.90E-03	5.82E-03	2.24E-01
1185	489635.89	3858826.54	0.04255	0.03541	0.02403	0.14152	0.01378	0.07143	0.03426	0.03541	2.04E-01	1.51E-03	5.76E-08	3.43E-03	2.97E-03	4.62E-03	5.59E-03	5.55E-03	2.17E-01
1186	489685.89	3858826.54	0.04134	0.03384	0.02319	0.1295	0.01387	0.06738	0.03262	0.03384	1.98E-01	1.44E-03	5.56E-08	3.14E-03	2.99E-03	4.36E-03	5.32E-03	5.30E-03	2.10E-01
1187	489735.89	3858826.54	0.04022	0.0324	0.02227	0.11962	0.01397	0.06387	0.03112	0.0324	1.93E-01	1.38E-03	5.34E-08	2.90E-03	3.01E-03	4.13E-03	5.08E-03	5.08E-03	2.04E-01
1188	489785.89	3858826.54	0.03917	0.03112	0.02136	0.11144	0.01406	0.06085	0.0298	0.03112	1.88E-01	1.32E-03	5.12E-08	2.70E-03	3.03E-03	3.94E-03	4.86E-03	4.87E-03	1.99E-01
1189	489835.89	3858826.54	0.0382	0.0299	0.02072	0.10442	0.01417	0.05811	0.02855	0.0299	1.83E-01	1.27E-03	4.97E-08	2.53E-03	3.06E-03	3.76E-03	4.66E-03	4.68E-03	1.94E-01
1190	489885.89	3858826.54	0.03726	0.0288	0.02034	0.09851	0.01426	0.05575	0.02746	0.0288	1.79E-01	1.23E-03	4.88E-08	2.39E-03	3.08E-03	3.61E-03	4.48E-03	4.51E-03	1.89E-01
1191	489935.89	3858826.54	0.03637	0.02777	0.01987	0.09337	0.01435	0.05361	0.02643	0.02777	1.75E-01	1.18E-03	4.77E-08	2.26E-03	3.09E-03	3.47E-03	4.31E-03	4.35E-03	1.85E-01
1192	489985.89	3858826.54	0.03553	0.0268	0.01946	0.08884	0.01442	0.05165	0.02547	0.0268	1.71E-01	1.14E-03	4.67E-08	2.15E-03	3.11E-03	3.34E-03	4.16E-03	4.20E-03	1.80E-01
1193	490035.89	3858826.54	0.03476	0.02583	0.01936	0.08476	0.01451	0.04978	0.0245	0.02583	1.67E-01	1.10E-03	4.64E-08	2.05E-03	3.13E-03	3.22E-03	4.00E-03	4.05E-03	1.76E-01

1194	489285.89	3858876.54	0.05683	0.06158	0.02084	0.63261	0.01356	0.19198	0.06421	0.06158	2.73E-01	2.62E-03	5.00E-08	1.53E-02	2.92E-03	1.24E-02	1.05E-02	9.65E-03	3.07E-01
1195	489335.89	3858876.54	0.05422	0.05669	0.02134	0.42333	0.01335	0.15355	0.05804	0.05669	2.60E-01	2.41E-03	5.12E-08	1.03E-02	2.88E-03	9.94E-03	9.47E-03	8.88E-03	2.86E-01
1196	489385.89	3858876.54	0.05191	0.05256	0.02196	0.32061	0.01317	0.12958	0.05302	0.05256	2.49E-01	2.24E-03	5.27E-08	7.77E-03	2.84E-03	8.38E-03	8.65E-03	8.23E-03	2.71E-01
1197	489435.89	3858876.54	0.04995	0.049	0.02266	0.2593	0.01305	0.11305	0.04884	0.049	2.40E-01	2.08E-03	5.43E-08	6.28E-03	2.81E-03	7.31E-03	7.97E-03	7.68E-03	2.58E-01
1198	489485.89	3858876.54	0.04816	0.04591	0.02357	0.21848	0.01296	0.10091	0.04531	0.04591	2.31E-01	1.95E-03	5.65E-08	5.29E-03	2.80E-03	6.53E-03	7.40E-03	7.19E-03	2.48E-01
1199	489535.89	3858876.54	0.04651	0.04321	0.0249	0.18929	0.01292	0.09158	0.0423	0.04321	2.23E-01	1.84E-03	5.97E-08	4.59E-03	2.79E-03	5.93E-03	6.90E-03	6.77E-03	2.38E-01
1200	489585.89	3858876.54	0.045	0.04079	0.0262	0.16728	0.01293	0.08407	0.03967	0.04079	2.16E-01	1.74E-03	6.28E-08	4.05E-03	2.79E-03	5.44E-03	6.48E-03	6.39E-03	2.30E-01
1201	489635.89	3858876.54	0.04358	0.0387	0.02639	0.15039	0.01295	0.07807	0.03745	0.0387	2.09E-01	1.65E-03	6.33E-08	3.64E-03	2.79E-03	5.05E-03	6.11E-03	6.06E-03	2.22E-01
1202	489685.89	3858876.54	0.04228	0.03682	0.02549	0.1368	0.013	0.07301	0.03547	0.03682	2.03E-01	1.57E-03	6.11E-08	3.31E-03	2.80E-03	4.72E-03	5.79E-03	5.77E-03	2.15E-01
1203	489735.89	3858876.54	0.04108	0.0351	0.0244	0.12562	0.01308	0.06867	0.03369	0.0351	1.97E-01	1.49E-03	5.85E-08	3.04E-03	2.82E-03	4.44E-03	5.50E-03	5.50E-03	2.09E-01
1204	489785.89	3858876.54	0.03994	0.03358	0.02336	0.11646	0.01317	0.06501	0.03215	0.03358	1.92E-01	1.43E-03	5.60E-08	2.82E-03	2.84E-03	4.21E-03	5.25E-03	5.26E-03	2.03E-01
1205	489835.89	3858876.54	0.03889	0.03218	0.02265	0.10861	0.01327	0.06175	0.03074	0.03218	1.87E-01	1.37E-03	5.43E-08	2.63E-03	2.86E-03	4.00E-03	5.02E-03	5.04E-03	1.97E-01
1206	489885.89	3858876.54	0.03787	0.03093	0.02219	0.10209	0.01335	0.059	0.0295	0.03093	1.82E-01	1.32E-03	5.32E-08	2.47E-03	2.88E-03	3.82E-03	4.82E-03	4.85E-03	1.92E-01
1207	489935.89	3858876.54	0.03694	0.02973	0.02158	0.09628	0.01346	0.05644	0.0283	0.02973	1.77E-01	1.26E-03	5.18E-08	2.33E-03	2.90E-03	3.65E-03	4.62E-03	4.66E-03	1.87E-01
1208	489985.89	3858876.54	0.03607	0.02855	0.0212	0.09117	0.01356	0.05409	0.02715	0.02855	1.73E-01	1.21E-03	5.08E-08	2.21E-03	2.92E-03	3.50E-03	4.43E-03	4.47E-03	1.83E-01
1209	490035.89	3858876.54	0.03526	0.02747	0.02134	0.08672	0.01365	0.052	0.02608	0.02747	1.69E-01	1.17E-03	5.12E-08	2.10E-03	2.94E-03	3.36E-03	4.26E-03	4.30E-03	1.79E-01
1210	489285.89	3858926.54	0.06065	0.07325	0.02253	0.87643	0.01305	0.30142	0.07675	0.07325	2.91E-01	3.12E-03	5.40E-08	2.12E-02	2.81E-03	1.95E-02	1.25E-02	1.15E-02	3.39E-01
1211	489335.89	3858926.54	0.0576	0.06638	0.02306	0.5502	0.01281	0.21682	0.06812	0.06638	2.76E-01	2.82E-03	5.53E-08	1.33E-02	2.76E-03	1.40E-02	1.11E-02	1.04E-02	3.10E-01
1212	489385.89	3858926.54	0.05502	0.06067	0.02378	0.39393	0.01262	0.16911	0.06127	0.06067	2.64E-01	2.58E-03	5.70E-08	9.54E-03	2.72E-03	1.09E-02	1.00E-02	9.50E-03	2.90E-01
1213	489435.89	3858926.54	0.05278	0.05594	0.02468	0.30665	0.01246	0.13993	0.05579	0.05594	2.53E-01	2.38E-03	5.92E-08	7.43E-03	2.69E-03	9.05E-03	9.11E-03	8.76E-03	2.75E-01
1214	489485.89	3858926.54	0.05063	0.05191	0.02574	0.2513	0.01234	0.12026	0.05125	0.05191	2.43E-01	2.21E-03	6.17E-08	6.09E-03	2.66E-03	7.78E-03	8.37E-03	8.13E-03	2.62E-01
1215	489535.89	3858926.54	0.04857	0.04843	0.02722	0.21332	0.01226	0.10616	0.04745	0.04843	2.33E-01	2.06E-03	6.53E-08	5.17E-03	2.64E-03	6.87E-03	7.75E-03	7.59E-03	2.50E-01
1216	489585.89	3858926.54	0.04672	0.0454	0.029	0.18566	0.01223	0.09551	0.04419	0.0454	2.24E-01	1.93E-03	6.96E-08	4.50E-03	2.64E-03	6.18E-03	7.21E-03	7.11E-03	2.40E-01
1217	489635.89	3858926.54	0.04508	0.04276	0.02971	0.16474	0.01222	0.0872	0.0414	0.04276	2.16E-01	1.82E-03	7.13E-08	3.99E-03	2.64E-03	5.64E-03	6.76E-03	6.70E-03	2.30E-01
1218	489685.89	3858926.54	0.04359	0.0404	0.02878	0.1482	0.01225	0.08043	0.03896	0.0404	2.09E-01	1.72E-03	6.90E-08	3.59E-03	2.64E-03	5.20E-03	6.36E-03	6.33E-03	2.22E-01
1219	489735.89	3858926.54	0.0422	0.03836	0.02752	0.1351	0.01229	0.07497	0.03688	0.03836	2.03E-01	1.63E-03	6.60E-08	3.27E-03	2.65E-03	4.85E-03	6.02E-03	6.01E-03	2.15E-01
1220	489785.89	3858926.54	0.04093	0.03654	0.02632	0.12434	0.01235	0.07038	0.03504	0.03654	1.96E-01	1.55E-03	6.31E-08	3.01E-03	2.66E-03	4.55E-03	5.72E-03	5.72E-03	2.08E-01
1221	489835.89	3858926.54	0.03977	0.03486	0.02547	0.11517	0.01244	0.06635	0.03334	0.03486	1.91E-01	1.48E-03	6.11E-08	2.79E-03	2.68E-03	4.29E-03	5.44E-03	5.46E-03	2.02E-01
1222	489885.89	3858926.54	0.03867	0.03336	0.02482	0.10752	0.01252	0.06293	0.03186	0.03336	1.86E-01	1.42E-03	5.95E-08	2.60E-03	2.70E-03	4.07E-03	5.20E-03	5.23E-03	1.96E-01
1223	489935.89	3858926.54	0.03766	0.03197	0.02415	0.10085	0.01262	0.05989	0.03049	0.03197	1.81E-01	1.36E-03	5.79E-08	2.44E-03	2.72E-03	3.88E-03	4.98E-03	5.01E-03	1.91E-01
1224	489985.89	3858926.54	0.03673	0.03065	0.02397	0.095	0.01273	0.05712	0.02919	0.03065	1.76E-01	1.30E-03	5.75E-08	2.30E-03	2.75E-03	3.70E-03	4.76E-03	4.80E-03	1.86E-01
1225	490035.89	3858926.54	0.03589	0.02926	0.02437	0.08974	0.01285	0.05452	0.02784	0.02926	1.72E-01	1.24E-03	5.84E-08	2.17E-03	2.77E-03	3.53E-03	4.54E-03	4.58E-03	1.82E-01
1226	489335.89	3858976.54	0.06695	0.08015	0.02567	0.98042	0.01235	0.37673	0.08241	0.08015	3.21E-01	3.41E-03	6.16E-08	2.38E-02	2.66E-03	2.44E-02	1.35E-02	1.26E-02	3.76E-01
1227	489385.89	3858976.54	0.06444	0.0719	0.02647	0.59108	0.01213	0.25486	0.07271	0.0719	3.09E-01	3.06E-03	6.35E-08	1.43E-02	2.62E-03	1.65E-02	1.19E-02	1.13E-02	3.46E-01
1228	489435.89	3858976.54	0.05949	0.06536	0.02764	0.41279	0.01193	0.19103	0.06528	0.06536	2.85E-01	2.78E-03	6.63E-08	1.00E-02	2.57E-03	1.24E-02	1.07E-02	1.02E-02	3.14E-01
1229	489485.89	3858976.54	0.05528	0.05983	0.02894	0.31616	0.01179	0.15342	0.0592	0.05983	2.65E-01	2.55E-03	6.94E-08	7.66E-03	2.54E-03	9.93E-03	9.66E-03	9.37E-03	2.88E-01
1230	489535.89	3858976.54	0.0519	0.05516	0.03058	0.25649	0.0117	0.12914	0.05417	0.05516	2.49E-01	2.35E-03	7.33E-08	6.21E-03	2.52E-03	8.36E-03	8.84E-03	8.64E-03	2.69E-01
1231	489585.89	3858976.54	0.04927	0.05127	0.03287	0.21669	0.01162	0.11253	0.05005	0.05127	2.36E-01	2.18E-03	7.88E-08	5.25E-03	2.51E-03	7.28E-03	8.17E-03	8.03E-03	2.54E-01
1232	489635.89	3858976.54	0.04717	0.04787	0.03436	0.18782	0.01158	0.10021	0.0465	0.04787	2.26E-01	2.04E-03	8.24E-08	4.55E-03	2.50E-03	6.48E-03	7.59E-03	7.50E-03	2.42E-01
1233	489685.89	3858976.54	0.04535	0.04489	0.03359	0.166	0.01158	0.09071	0.04342	0.04489	2.18E-01	1.91E-03	8.06E-08	4.02E-03	2.50E-03	5.87E-03	7.09E-03	7.03E-03	2.32E-01
1234	489735.89	3858976.54	0.04372	0.04233	0.03201	0.14915	0.0116	0.08327	0.04081	0.04233	2.10E-01	1.80E-03	7.68E-08	3.61E-03	2.50E-03	5.39E-03	6.66E-03	6.63E-03	2.23E-01
1235	489785.89	3858976.54	0.04224	0.04011	0.03058	0.13577	0.01163	0.07729	0.03857	0.04011	2.03E-01	1.71E-03	7.33E-08	3.29E-03	2.51E-03	5.00E-03	6.30E-03	6.28E-03	2.15E-01
1236	489835.89	3858976.54	0.0409	0.03811	0.02962	0.1247	0.01168	0.07225	0.03656	0.03811	1.96E-01	1.62E-03	7.10E-08	3.02E-03	2.52E-03	4.67E-03	5.97E-03	5.97E-03	2.08E-01
1237	489885.89	3858976.54	0.03971	0.03623	0.02861	0.11515	0.01177	0.06779	0.0347	0.03623	1.91E-01	1.54E-03	6.86E-08	2.79E-03	2.54E-03	4.39E-03	5.66E-03	5.68E-03	2.02E-01
1238	489935.89	3858976.54	0.03859	0.03456	0.02793	0.10715	0.01187	0.06401	0.03305	0.03456	1.85E-01	1.47E-03	6.70E-08	2.60E-03	2.56E-03	4.14E-03	5.39E-03	5.41E-03	1.96E-01
1239	489985.89	3858976.54	0.03754	0.03304	0.02823	0.10036	0.01196	0.06074	0.03155	0.03304	1.80E-01	1.41E-03	6.77E-08	2.43E-03	2.58E-03	3.93E-03	5.15E-03	5.18E-03	1.90E-01
1240	490035.89	3858976.54	0.03672	0.03114	0.0289	0.09346	0.01214	0.05704	0.02971	0.03114	1.76E-01	1.32E-03	6.93E-08	2.26E-03	2.62E-03	3.69E-03	4.85E-03	4.88E-03	1.86E-01
1241	489385.89	3859026.54	0.07592	0.08841	0.03049	0.69779	0.01171	0.47988	0.08987	0.08841	3.64E-01	3.76E-03	7.31E-08	1.69E-02	2.53E-03	3.10E-02	1.47E-02	1.38E-02	4.19E-01
1242	489435.89	3859026.54	0.07073	0.07852	0.03185	0.70177	0.0115	0.30485	0.07885	0.07852	3.39E-01	3.34E-03	7.64E-08	1.70E-02	2.48E-03	1.97E-02	1.29E-02	1.23E-02	3.83E-01
1243	489485.89	3859026.54	0.06154	0.07062	0.03355	0.46377	0.01133	0.21784	0.07025	0.07062	2.95E-01	3.00E-03	8.05E-08	1.12E-02	2.44E-03	1.41E-02	1.15E-02	1.11E-02	3.27E-01
1244	489535.89	3859026.54	0.05625	0.06423	0.03561	0.34311	0.01119	0.16957	0.06342	0.06423	2.70E-01	2.73E-03	8.54E-08	8.31E-03	2.41E-03	1.10E-02	1.04E-02	1.01E-02	2.95E-01
1245	489585.89	3859026.54	0.05282	0.05887	0.03829	0.27213	0.0111	0.13961	0.05777	0.05887	2.53E-01	2.50E-03	9.18E-08	6.59E-03	2.39E-03	9.03E-03	9.43E-03	9.22E-03	2.74E-01
1246	489635.89	3859026.54	0.05018	0.05442	0.0409	0.22632	0.01103	0.11972	0.05313	0.05442	2.41E-01	2.32E-03	9.81E-08	5.48E-03	2.38E-03	7.75E-03	8.67E-03	8.52E-03	2.59E-01
1247	489685.89	3859026.54	0.04791	0.05061	0.04065	0.1942	0.011	0.10545	0.0492	0.05061	2.30E-01	2.15E-03	9.75E-08	4.70E-03	2.37E-03	6.82E-03	8.03E-03	7.93E-03	2.46E-01
1248	489735.89	3859026.54	0.04586	0.04736	0.0387	0.17066	0.01098	0.09484	0.04589	0.04736	2.20E-01	2.02E-03	9.28E-08	4.13E-03	2.37E-03	6.14E-03	7.49E-03	7.42E-03	2.35E-01
1249	489785.89	3859026.54	0.04405	0.04453	0.03688	0.15251	0.01099	0.08652	0.04302	0.04453	2.11E-01	1.89E-03	8.85E-08	3.69E-03	2.37E-03	5.60E-03	7.02E-03	6.98E-03	2.25E-01
1250	489835.89	3859026.54	0.04247	0.04194	0.03548	0.13778	0.01104	0.07961	0.04041	0.04194	2.04E-01	1.78E-03	8.51E-08	3.34E-03	2.38E-03	5.15E-03	6.60E-03	6.57E-03	2.16E-01

1251	489885.89	3859026.54	0.04104	0.0397	0.03425	0.12592	0.0111	0.074	0.03817	0.0397	1.97E-01	1.69E-03	8.21E-08	3.05E-03	2.39E-03	4.79E-03	6.23E-03	6.22E-03	2.09E-01
1252	489935.89	3859026.54	0.03975	0.03767	0.03385	0.11599	0.01118	0.06922	0.03616	0.03767	1.91E-01	1.60E-03	8.12E-08	2.81E-03	2.41E-03	4.48E-03	5.90E-03	5.90E-03	2.02E-01
1253	489985.89	3859026.54	0.03857	0.03583	0.03492	0.10762	0.01127	0.06513	0.03435	0.03583	1.85E-01	1.52E-03	8.38E-08	2.61E-03	2.43E-03	4.21E-03	5.61E-03	5.61E-03	1.96E-01
1254	490035.89	3859026.54	0.03766	0.03349	0.03653	0.09896	0.01146	0.06047	0.03207	0.03349	1.81E-01	1.42E-03	8.76E-08	2.40E-03	2.47E-03	3.91E-03	5.23E-03	5.25E-03	1.91E-01
1255	489485.89	3859076.54	0.06884	0.08635	0.04034	0.90842	0.01093	0.37335	0.0868	0.08635	3.30E-01	3.67E-03	9.67E-08	2.20E-02	2.36E-03	2.42E-02	1.42E-02	1.35E-02	3.83E-01
1256	489535.89	3859076.54	0.06523	0.07685	0.04307	0.55246	0.01077	0.25313	0.07657	0.07685	3.13E-01	3.27E-03	1.03E-07	1.34E-02	2.32E-03	1.64E-02	1.25E-02	1.20E-02	3.49E-01
1257	489585.89	3859076.54	0.06004	0.06926	0.04641	0.38651	0.01065	0.18943	0.06852	0.06926	2.88E-01	2.95E-03	1.11E-07	9.36E-03	2.30E-03	1.23E-02	1.12E-02	1.08E-02	3.15E-01
1258	489635.89	3859076.54	0.05572	0.06319	0.05046	0.29705	0.01055	0.15236	0.06215	0.06319	2.67E-01	2.69E-03	1.21E-07	7.20E-03	2.28E-03	9.86E-03	1.01E-02	9.90E-03	2.90E-01
1259	489685.89	3859076.54	0.0521	0.05811	0.05137	0.24184	0.01048	0.12837	0.05688	0.05811	2.50E-01	2.47E-03	1.23E-07	5.86E-03	2.26E-03	8.31E-03	9.28E-03	9.10E-03	2.69E-01
1260	489735.89	3859076.54	0.04906	0.0538	0.04887	0.20455	0.01044	0.11167	0.05246	0.0538	2.35E-01	2.29E-03	1.17E-07	4.96E-03	2.25E-03	7.23E-03	8.56E-03	8.43E-03	2.52E-01
1261	489785.89	3859076.54	0.04656	0.05011	0.04642	0.17772	0.01043	0.09939	0.04869	0.05011	2.23E-01	2.13E-03	1.11E-07	4.31E-03	2.25E-03	6.43E-03	7.95E-03	7.85E-03	2.39E-01
1262	489835.89	3859076.54	0.0445	0.04685	0.04453	0.15728	0.01045	0.08984	0.04539	0.04685	2.14E-01	1.99E-03	1.07E-07	3.81E-03	2.25E-03	5.81E-03	7.41E-03	7.34E-03	2.27E-01
1263	489885.89	3859076.54	0.04273	0.04398	0.04304	0.14128	0.0105	0.08223	0.04252	0.04398	2.05E-01	1.87E-03	1.03E-07	3.42E-03	2.26E-03	5.32E-03	6.94E-03	6.89E-03	2.18E-01
1264	489935.89	3859076.54	0.04116	0.04152	0.04365	0.12852	0.01055	0.0761	0.04005	0.04152	1.98E-01	1.77E-03	1.05E-07	3.11E-03	2.28E-03	4.92E-03	6.54E-03	6.50E-03	2.10E-01
1265	489985.89	3859076.54	0.0398	0.03924	0.0463	0.11778	0.01063	0.07083	0.0378	0.03924	1.91E-01	1.67E-03	1.11E-07	2.85E-03	2.29E-03	4.58E-03	6.17E-03	6.15E-03	2.02E-01
1266	490035.89	3859076.54	0.0387	0.0366	0.04984	0.10735	0.01079	0.06531	0.0352	0.0366	1.86E-01	1.56E-03	1.20E-07	2.60E-03	2.33E-03	4.23E-03	5.75E-03	5.73E-03	1.96E-01
1267	489585.89	3859126.54	0.07606	0.0844	0.05923	0.69115	0.01025	0.30134	0.08428	0.0844	3.65E-01	3.59E-03	1.42E-07	1.67E-02	2.21E-03	1.95E-02	1.38E-02	1.32E-02	4.08E-01
1268	489635.89	3859126.54	0.06583	0.07547	0.06505	0.45156	0.01012	0.21567	0.07483	0.07547	3.16E-01	3.21E-03	1.56E-07	1.09E-02	2.18E-03	1.40E-02	1.22E-02	1.18E-02	3.47E-01
1269	489685.89	3859126.54	0.05837	0.06824	0.06811	0.33184	0.01003	0.16794	0.06728	0.06824	2.80E-01	2.90E-03	1.63E-07	8.04E-03	2.16E-03	1.09E-02	1.10E-02	1.07E-02	3.04E-01
1270	489735.89	3859126.54	0.05328	0.0623	0.06501	0.26263	0.00998	0.13845	0.06116	0.0623	2.56E-01	2.65E-03	1.56E-07	6.36E-03	2.15E-03	8.96E-03	9.98E-03	9.76E-03	2.76E-01
1271	489785.89	3859126.54	0.04972	0.05735	0.06153	0.21803	0.00994	0.11864	0.05609	0.05735	2.39E-01	2.44E-03	1.48E-07	5.28E-03	2.14E-03	7.68E-03	9.16E-03	8.98E-03	2.56E-01
1272	489835.89	3859126.54	0.04705	0.05309	0.05879	0.18674	0.00994	0.10431	0.05176	0.05309	2.26E-01	2.26E-03	1.41E-07	4.52E-03	2.14E-03	6.75E-03	8.45E-03	8.32E-03	2.42E-01
1273	489885.89	3859126.54	0.04485	0.04937	0.05758	0.16354	0.00997	0.09345	0.048	0.04937	2.15E-01	2.10E-03	1.38E-07	3.96E-03	2.15E-03	6.05E-03	7.83E-03	7.73E-03	2.30E-01
1274	489935.89	3859126.54	0.04295	0.04624	0.06062	0.14603	0.01	0.08511	0.04486	0.04624	2.06E-01	1.97E-03	1.45E-07	3.54E-03	2.16E-03	5.51E-03	7.32E-03	7.24E-03	2.19E-01
1275	489985.89	3859126.54	0.04135	0.04325	0.06609	0.13132	0.01008	0.0779	0.04188	0.04325	1.98E-01	1.84E-03	1.59E-07	3.18E-03	2.17E-03	5.04E-03	6.84E-03	6.78E-03	2.11E-01
1276	490035.89	3859126.54	0.03995	0.04043	0.07179	0.11922	0.01018	0.07184	0.03909	0.04043	1.92E-01	1.72E-03	1.72E-07	2.89E-03	2.20E-03	4.65E-03	6.38E-03	6.33E-03	2.03E-01
1277	489585.89	3859176.54	0.08449	0.10797	0.07975	0.64139	0.00991	0.39522	0.10884	0.10797	4.05E-01	4.59E-03	1.91E-07	1.55E-02	2.14E-03	2.56E-02	1.78E-02	1.69E-02	4.54E-01
1278	489635.89	3859176.54	0.07504	0.09367	0.08852	0.91255	0.00976	0.36848	0.09364	0.09367	3.60E-01	3.99E-03	2.12E-07	2.21E-02	2.10E-03	2.38E-02	1.53E-02	1.47E-02	4.13E-01
1279	489685.89	3859176.54	0.0646	0.08281	0.09588	0.54722	0.00964	0.25007	0.08227	0.08281	3.10E-01	3.52E-03	2.30E-07	1.33E-02	2.08E-03	1.62E-02	1.34E-02	1.30E-02	3.46E-01
1280	489735.89	3859176.54	0.05841	0.07423	0.09283	0.38008	0.00955	0.18752	0.07339	0.07423	2.80E-01	3.16E-03	2.23E-07	9.21E-03	2.06E-03	1.21E-02	1.20E-02	1.16E-02	3.07E-01
1281	489785.89	3859176.54	0.05409	0.06714	0.08711	0.29033	0.00951	0.15065	0.06613	0.06714	2.60E-01	2.86E-03	2.09E-07	7.03E-03	2.05E-03	9.75E-03	1.08E-02	1.05E-02	2.82E-01
1282	489835.89	3859176.54	0.05067	0.06135	0.08315	0.23527	0.00949	0.12671	0.06023	0.06135	2.43E-01	2.61E-03	1.99E-07	5.70E-03	2.05E-03	8.20E-03	9.83E-03	9.61E-03	2.62E-01
1283	489885.89	3859176.54	0.0478	0.05642	0.08443	0.19815	0.00949	0.10995	0.05524	0.05642	2.29E-01	2.40E-03	2.02E-07	4.80E-03	2.05E-03	7.11E-03	9.02E-03	8.84E-03	2.46E-01
1284	489935.89	3859176.54	0.04533	0.05232	0.09322	0.17198	0.00951	0.09784	0.0511	0.05232	2.18E-01	2.23E-03	2.24E-07	4.17E-03	2.05E-03	6.33E-03	8.34E-03	8.20E-03	2.32E-01
1285	489985.89	3859176.54	0.04329	0.04849	0.10267	0.15131	0.00957	0.08794	0.04724	0.04849	2.08E-01	2.06E-03	2.46E-07	3.67E-03	2.06E-03	5.69E-03	7.71E-03	7.60E-03	2.21E-01
1286	490035.89	3859176.54	0.04148	0.04547	0.10932	0.13614	0.00961	0.0806	0.04423	0.04547	1.99E-01	1.93E-03	2.62E-07	3.30E-03	2.07E-03	5.22E-03	7.22E-03	7.12E-03	2.12E-01
1287	489685.89	3859226.54	0.07634	0.10521	0.14478	0.66074	0.00931	0.46671	0.1054	0.10521	3.66E-01	4.48E-03	3.47E-07	1.60E-02	2.01E-03	3.02E-02	1.72E-02	1.65E-02	4.20E-01
1288	489735.89	3859226.54	0.07254	0.09174	0.14417	0.69175	0.00919	0.29681	0.09145	0.09174	3.48E-01	3.90E-03	3.46E-07	1.68E-02	1.98E-03	1.92E-02	1.49E-02	1.44E-02	3.91E-01
1289	489785.89	3859226.54	0.06384	0.08117	0.13457	0.44914	0.00913	0.21305	0.0806	0.08117	3.06E-01	3.45E-03	3.23E-07	1.09E-02	1.97E-03	1.38E-02	1.32E-02	1.27E-02	3.37E-01
1290	489835.89	3859226.54	0.05732	0.07267	0.12945	0.32675	0.00909	0.1655	0.07193	0.07267	2.75E-01	3.09E-03	3.10E-07	7.92E-03	1.96E-03	1.07E-02	1.17E-02	1.14E-02	2.99E-01
1291	489885.89	3859226.54	0.05236	0.06587	0.14066	0.25718	0.00907	0.13632	0.06501	0.06587	2.51E-01	2.80E-03	3.37E-07	6.23E-03	1.96E-03	8.82E-03	1.06E-02	1.03E-02	2.71E-01
1292	489935.89	3859226.54	0.04863	0.06021	0.15989	0.21273	0.00908	0.11675	0.05926	0.06021	2.33E-01	2.56E-03	3.83E-07	5.15E-03	1.96E-03	7.55E-03	9.67E-03	9.43E-03	2.51E-01
1293	489985.89	3859226.54	0.04586	0.05502	0.17039	0.1803	0.00913	0.10174	0.054	0.05502	2.20E-01	2.34E-03	4.09E-07	4.37E-03	1.97E-03	6.58E-03	8.81E-03	8.62E-03	2.36E-01
1294	490035.89	3859226.54	0.04353	0.05122	0.17658	0.15883	0.00915	0.09172	0.05017	0.05122	2.09E-01	2.18E-03	4.23E-07	3.85E-03	1.97E-03	5.93E-03	8.19E-03	8.02E-03	2.23E-01
1295	489735.89	3859276.54	0.08548	0.12015	0.25076	0.60191	0.00888	0.37148	0.12107	0.12015	4.10E-01	5.11E-03	6.01E-07	1.46E-02	1.92E-03	2.40E-02	1.98E-02	1.88E-02	4.57E-01
1296	489785.89	3859276.54	0.07886	0.10271	0.23316	0.92885	0.00879	0.36378	0.103	0.10271	3.78E-01	4.37E-03	5.59E-07	2.25E-02	1.90E-03	2.35E-02	1.68E-02	1.61E-02	4.31E-01
1297	489835.89	3859276.54	0.06675	0.08938	0.23695	0.54893	0.00874	0.24667	0.08928	0.08938	3.20E-01	3.80E-03	5.68E-07	1.33E-02	1.88E-03	1.60E-02	1.46E-02	1.40E-02	3.56E-01
1298	489885.89	3859276.54	0.05788	0.07932	0.27915	0.37744	0.0087	0.18501	0.07897	0.07932	2.78E-01	3.37E-03	6.69E-07	9.14E-03	1.88E-03	1.20E-02	1.29E-02	1.24E-02	3.05E-01
1299	489935.89	3859276.54	0.05262	0.07111	0.30699	0.2859	0.00869	0.14849	0.07058	0.07111	2.53E-01	3.03E-03	7.36E-07	6.93E-03	1.87E-03	9.61E-03	1.15E-02	1.11E-02	2.74E-01
1300	489985.89	3859276.54	0.04911	0.06381	0.30751	0.22772	0.00874	0.1234	0.06312	0.06381	2.36E-01	2.72E-03	7.38E-07	5.52E-03	1.88E-03	7.98E-03	1.03E-02	1.00E-02	2.54E-01
1301	490035.89	3859276.54	0.04623	0.05902	0.30046	0.195	0.00872	0.10887	0.05824	0.05902	2.22E-01	2.51E-03	7.21E-07	4.72E-03	1.88E-03	7.04E-03	9.51E-03	9.25E-03	2.38E-01
1302	490458.06	3859590.74	0.05847	0.09959	0.08604	0.47298	0.00675	0.2049	0.1003	0.09959	2.81E-01	4.24E-03	2.06E-07	1.15E-02	1.46E-03	1.33E-02	1.64E-02	1.56E-02	3.12E-01
1303	490508.06	3859590.74	0.05137	0.08806	0.07984	0.3479	0.00679	0.16333	0.08869	0.08806	2.47E-01	3.75E-03	1.91E-07	8.43E-03	1.46E-03	1.06E-02	1.45E-02	1.38E-02	2.71E-01
1304	490558.06	3859590.74	0.04639	0.07849	0.07432	0.27406	0.00683	0.13613	0.07897	0.07849	2.23E-01	3.34E-03	1.78E-07	6.64E-03	1.47E-03	8.81E-03	1.29E-02	1.23E-02	2.43E-01
1305	490608.06	3859590.74	0.04277	0.07058	0.06921	0.22411	0.00688	0.11572	0.07092	0.07058	2.05E-01	3.00E-03	1.66E-07	5.43E-03	1.48E-03	7.49E-03	1.16E-02	1.11E-02	2.23E-01
1306	490658.06	3859590.74	0.04001	0.06395	0.06453	0.1886	0.00694	0.10095	0.06421	0.06395	1.92E-01	2.72E-03	1.55E-07	4.57E-03	1.50E-03	6.53E-03	1.05E-02	1.00E-02	2.08E-01
1307	490708.06	3859590.74	0.03782	0.05828	0.06027	0.16237	0.007	0.08952	0.05845	0.05828	1.81E-01	2.48E-03	1.45E-07	3.93E-03	1.51E-03	5.79E-03	9.54E-03	9.13E-03	1.96E-01

1308	490758.06	3859590.74	0.03606	0.05323	0.05634	0.14205	0.00707	0.08042	0.05333	0.05323	1.73E-01	2.26E-03	1.35E-07	3.44E-03	1.52E-03	5.20E-03	8.70E-03	8.34E-03	1.86E-01
1309	490808.06	3859590.74	0.03455	0.04921	0.05291	0.12719	0.00713	0.0736	0.04924	0.04921	1.66E-01	2.09E-03	1.27E-07	3.08E-03	1.54E-03	4.76E-03	8.04E-03	7.71E-03	1.78E-01
1310	490858.06	3859590.74	0.03327	0.04557	0.04969	0.1148	0.00719	0.06778	0.04555	0.04557	1.60E-01	1.94E-03	1.19E-07	2.78E-03	1.55E-03	4.39E-03	7.44E-03	7.14E-03	1.71E-01
1311	490458.06	3859640.74	0.07573	0.14363	0.06594	0.98773	0.00646	0.40045	0.14592	0.14363	3.63E-01	6.11E-03	1.58E-07	2.39E-02	1.39E-03	2.59E-02	2.38E-02	2.25E-02	4.22E-01
1312	490508.06	3859640.74	0.06808	0.12222	0.06386	0.73424	0.0065	0.27564	0.12405	0.12222	3.27E-01	5.20E-03	1.53E-07	1.78E-02	1.40E-03	1.78E-02	2.02E-02	1.91E-02	3.70E-01
1313	490558.06	3859640.74	0.05803	0.10601	0.06075	0.4873	0.00653	0.20673	0.10751	0.10601	2.78E-01	4.51E-03	1.46E-07	1.18E-02	1.41E-03	1.34E-02	1.75E-02	1.66E-02	3.11E-01
1314	490608.06	3859640.74	0.05067	0.09206	0.05732	0.35393	0.00658	0.16358	0.09332	0.09206	2.43E-01	3.92E-03	1.37E-07	8.57E-03	1.42E-03	1.06E-02	1.52E-02	1.44E-02	2.68E-01
1315	490658.06	3859640.74	0.04561	0.08082	0.0541	0.27403	0.00664	0.13414	0.08174	0.08082	2.19E-01	3.44E-03	1.30E-07	6.64E-03	1.43E-03	8.68E-03	1.33E-02	1.27E-02	2.40E-01
1316	490708.06	3859640.74	0.04196	0.07226	0.05126	0.22313	0.00669	0.11419	0.073	0.07226	2.01E-01	3.07E-03	1.23E-07	5.41E-03	1.44E-03	7.39E-03	1.19E-02	1.13E-02	2.19E-01
1317	490758.06	3859640.74	0.03921	0.06492	0.04854	0.18668	0.00675	0.09924	0.0655	0.06492	1.88E-01	2.76E-03	1.16E-07	4.52E-03	1.46E-03	6.42E-03	1.07E-02	1.02E-02	2.04E-01
1318	490808.06	3859640.74	0.03701	0.05936	0.04618	0.16266	0.00679	0.08903	0.05981	0.05936	1.78E-01	2.53E-03	1.11E-07	3.94E-03	1.46E-03	5.76E-03	9.76E-03	9.30E-03	1.92E-01
1319	490858.06	3859640.74	0.03521	0.05463	0.04396	0.14437	0.00684	0.08101	0.05497	0.05463	1.69E-01	2.32E-03	1.05E-07	3.50E-03	1.48E-03	5.24E-03	8.97E-03	8.56E-03	1.82E-01
1320	490608.06	3859690.74	0.06698	0.13038	0.04668	0.75898	0.00631	0.27671	0.13339	0.13038	3.21E-01	5.55E-03	1.12E-07	1.84E-02	1.36E-03	1.79E-02	2.18E-02	2.04E-02	3.66E-01
1321	490658.06	3859690.74	0.05708	0.10936	0.04464	0.49201	0.00636	0.20474	0.11177	0.10936	2.74E-01	4.65E-03	1.07E-07	1.19E-02	1.37E-03	1.32E-02	1.82E-02	1.71E-02	3.06E-01
1322	490708.06	3859690.74	0.04972	0.09459	0.0428	0.35541	0.00641	0.16144	0.09639	0.09459	2.39E-01	4.02E-03	1.03E-07	8.61E-03	1.38E-03	1.04E-02	1.57E-02	1.48E-02	2.64E-01
1323	490758.06	3859690.74	0.0447	0.08276	0.041	0.27417	0.00646	0.13255	0.08418	0.08276	2.15E-01	3.52E-03	9.83E-08	6.64E-03	1.39E-03	8.58E-03	1.37E-02	1.30E-02	2.35E-01
1324	490808.06	3859690.74	0.0411	0.07382	0.03941	0.22339	0.0065	0.1134	0.07495	0.07382	1.97E-01	3.14E-03	9.45E-08	5.41E-03	1.40E-03	7.34E-03	1.22E-02	1.16E-02	2.15E-01
1325	490858.06	3859690.74	0.0383	0.06755	0.0381	0.19315	0.00653	0.10144	0.06848	0.06755	1.84E-01	2.87E-03	9.14E-08	4.68E-03	1.41E-03	6.56E-03	1.12E-02	1.06E-02	2.00E-01
1326	490708.06	3859740.74	0.0657	0.13654	0.03561	0.78399	0.00614	0.27794	0.14108	0.13654	3.15E-01	5.81E-03	8.54E-08	1.90E-02	1.32E-03	1.80E-02	2.30E-02	2.14E-02	3.61E-01
1327	490758.06	3859740.74	0.05601	0.11613	0.03469	0.51082	0.00617	0.20865	0.11944	0.11613	2.69E-01	4.94E-03	8.32E-08	1.24E-02	1.33E-03	1.35E-02	1.95E-02	1.82E-02	3.02E-01
1328	490808.06	3859740.74	0.04878	0.10028	0.03367	0.36967	0.0062	0.16603	0.10285	0.10028	2.34E-01	4.27E-03	8.08E-08	8.96E-03	1.34E-03	1.07E-02	1.68E-02	1.57E-02	2.60E-01
1329	490858.06	3859740.74	0.04383	0.08843	0.03275	0.29153	0.00624	0.13936	0.09048	0.08843	2.10E-01	3.76E-03	7.85E-08	7.06E-03	1.35E-03	9.02E-03	1.48E-02	1.39E-02	2.32E-01
1330	490786.56	3859749.39	0.05399	0.11367	0.03316	0.4749	0.00614	0.19839	0.11699	0.11367	2.59E-01	4.84E-03	7.95E-08	1.15E-02	1.32E-03	1.28E-02	1.91E-02	1.78E-02	2.91E-01
1331	490836.56	3859749.39	0.0474	0.09847	0.03224	0.3519	0.00618	0.16021	0.10105	0.09847	2.27E-01	4.19E-03	7.73E-08	8.53E-03	1.33E-03	1.04E-02	1.65E-02	1.54E-02	2.53E-01
1332	490786.56	3859799.39	0.06878	0.18059	0.0281	0.85938	0.00589	0.38377	0.18925	0.18059	3.30E-01	7.68E-03	6.74E-08	2.08E-02	1.27E-03	2.48E-02	3.09E-02	2.83E-02	3.87E-01
1333	490836.56	3859799.39	0.06289	0.14587	0.02753	0.75295	0.00592	0.27053	0.15256	0.14587	3.02E-01	6.21E-03	6.60E-08	1.82E-02	1.28E-03	1.75E-02	2.49E-02	2.29E-02	3.47E-01
1334	492307.84	3854508.36	0.01125	0.0044	0.00594	0.00676	0.00917	0.0067	0.00518	0.0044	5.40E-02	1.87E-04	1.42E-08	1.64E-04	1.98E-03	4.34E-04	8.46E-04	6.89E-04	5.69E-02
1335	486445.7	3854753.6	0.02546	0.00663	0.01316	0.01997	0.00585	0.0154	0.01251	0.00663	1.22E-01	2.82E-04	3.16E-08	4.84E-04	1.26E-03	9.96E-04	2.04E-03	1.04E-03	1.26E-01
1336	472599.75	3877830.11	0.00023	0.0004	0.00026	0.00036	0.00022	0.00043	0.0004	0.0004	1.10E-03	1.70E-05	6.24E-10	8.72E-06	4.74E-05	2.78E-05	6.53E-05	6.27E-05	1.21E-03
1337	493107.48	3866840.19	0.00108	0.00087	0.00051	0.00103	0.00113	0.00117	0.00089	0.00087	5.18E-03	3.70E-05	1.22E-09	2.50E-05	2.44E-04	7.57E-05	1.45E-04	1.36E-04	5.57E-03
1338	495815.79	3861662.87	0.00343	0.03847	0.00228	0.00577	0.00236	0.00577	0.03856	0.03847	1.65E-02	1.64E-03	5.47E-09	1.40E-04	5.09E-04	3.73E-04	6.29E-03	6.03E-03	1.94E-02
1339	480272.33	3841389.2	0.00055	0.00072	0.0003	0.00041	0.00049	0.00046	0.00073	0.00072	2.64E-03	3.06E-05	7.20E-10	9.93E-06	1.06E-04	2.98E-05	1.19E-04	1.13E-04	2.82E-03
1340	497005.18	3862813.64	0.002	0.01338	0.00135	0.00335	0.00187	0.00299	0.01346	0.01338	9.60E-03	5.69E-04	3.24E-09	8.12E-05	4.03E-04	1.93E-04	2.20E-03	2.10E-03	1.09E-02
1341	493677.33	3860302.55	0.00953	0.01477	0.00688	0.01622	0.0043	0.22539	0.01465	0.01477	4.57E-02	6.28E-04	1.65E-08	3.93E-04	9.27E-04	1.46E-02	2.39E-03	2.31E-03	6.23E-02
1342	493727.33	3860302.55	0.00943	0.01452	0.00683	0.01598	0.00427	0.22292	0.01439	0.01452	4.53E-02	6.18E-04	1.64E-08	3.87E-04	9.21E-04	1.44E-02	2.35E-03	2.27E-03	6.17E-02
1343	493777.33	3860302.55	0.00935	0.01425	0.00677	0.01575	0.00425	0.22104	0.01412	0.01425	4.49E-02	6.06E-04	1.62E-08	3.82E-04	9.17E-04	1.43E-02	2.30E-03	2.23E-03	6.11E-02
1344	493827.33	3860302.55	0.00927	0.01399	0.00671	0.01553	0.00423	0.21901	0.01386	0.01399	4.45E-02	5.95E-04	1.61E-08	3.76E-04	9.12E-04	1.42E-02	2.26E-03	2.19E-03	6.06E-02
1345	493877.33	3860302.55	0.00919	0.01379	0.00667	0.01532	0.00421	0.21408	0.01365	0.01379	4.41E-02	5.87E-04	1.60E-08	3.71E-04	9.08E-04	1.39E-02	2.23E-03	2.16E-03	5.99E-02
1346	493927.33	3860302.55	0.0091	0.01362	0.00663	0.01512	0.00419	0.20724	0.01348	0.01362	4.37E-02	5.80E-04	1.59E-08	3.66E-04	9.04E-04	1.34E-02	2.20E-03	2.13E-03	5.90E-02
1347	493977.33	3860302.55	0.00906	0.01326	0.00655	0.0149	0.0042	0.20874	0.01312	0.01326	4.35E-02	5.64E-04	1.57E-08	3.61E-04	9.06E-04	1.35E-02	2.14E-03	2.08E-03	5.89E-02
1348	494027.33	3860302.55	0.009	0.01301	0.00648	0.0147	0.0042	0.20587	0.01286	0.01301	4.32E-02	5.54E-04	1.55E-08	3.56E-04	9.06E-04	1.33E-02	2.10E-03	2.04E-03	5.84E-02
1349	493677.33	3860352.55	0.00922	0.01523	0.00663	0.01569	0.00423	0.10644	0.01512	0.01523	4.42E-02	6.48E-04	1.59E-08	3.80E-04	9.12E-04	6.89E-03	2.47E-03	2.39E-03	5.32E-02
1350	493727.33	3860352.55	0.00913	0.015	0.00659	0.01548	0.0042	0.10504	0.01488	0.015	4.38E-02	6.38E-04	1.58E-08	3.75E-04	9.06E-04	6.80E-03	2.43E-03	2.35E-03	5.26E-02
1351	493777.33	3860352.55	0.00904	0.01477	0.00655	0.01527	0.00416	0.10368	0.01465	0.01477	4.34E-02	6.28E-04	1.57E-08	3.70E-04	8.97E-04	6.71E-03	2.39E-03	2.31E-03	5.21E-02
1352	493827.33	3860352.55	0.00896	0.01453	0.00651	0.01507	0.00413	0.10267	0.0144	0.01453	4.30E-02	6.18E-04	1.56E-08	3.65E-04	8.91E-04	6.64E-03	2.35E-03	2.28E-03	5.16E-02
1353	493877.33	3860352.55	0.00889	0.01426	0.00646	0.01487	0.00411	0.10201	0.01413	0.01426	4.27E-02	6.07E-04	1.55E-08	3.60E-04	8.86E-04	6.60E-03	2.31E-03	2.23E-03	5.12E-02
1354	493927.33	3860352.55	0.00884	0.01395	0.0064	0.01467	0.0041	0.1018	0.01382	0.01395	4.24E-02	5.94E-04	1.53E-08	3.55E-04	8.84E-04	6.59E-03	2.26E-03	2.19E-03	5.09E-02
1355	493977.33	3860352.55	0.00879	0.01362	0.00634	0.01448	0.00409	0.10172	0.01349	0.01362	4.22E-02	5.80E-04	1.52E-08	3.51E-04	8.82E-04	6.58E-03	2.20E-03	2.13E-03	5.06E-02
1356	494027.33	3860352.55	0.00872	0.01342	0.00629	0.0143	0.00408	0.10037	0.01329	0.01342	4.18E-02	5.71E-04	1.51E-08	3.46E-04	8.80E-04	6.49E-03	2.17E-03	2.10E-03	5.02E-02
1357	493677.33	3860402.55	0.00891	0.01581	0.00639	0.01517	0.00417	0.06924	0.01571	0.01581	4.28E-02	6.73E-04	1.53E-08	3.68E-04	8.99E-04	4.48E-03	2.56E-03	2.48E-03	4.93E-02
1358	493727.33	3860402.55	0.00882	0.01556	0.00636	0.01498	0.00413	0.06845	0.01546	0.01556	4.23E-02	6.62E-04	1.53E-08	3.63E-04	8.91E-04	4.43E-03	2.52E-03	2.44E-03	4.88E-02
1359	493777.33	3860402.55	0.00877	0.01516	0.0063	0.01479	0.00411	0.06848	0.01506	0.01516	4.21E-02	6.45E-04	1.51E-08	3.58E-04	8.86E-04	4.43E-03	2.46E-03	2.37E-03	4.85E-02
1360	493827.33	3860402.55	0.00868	0.01499	0.00628	0.01461	0.00407	0.06749	0.01487	0.01499	4.17E-02	6.38E-04	1.51E-08	3.54E-04	8.78E-04	4.37E-03	2.43E-03	2.35E-03	4.80E-02
1361	493877.33	3860402.55	0.0086	0.01476	0.00624	0.01443	0.00404	0.06679	0.01464	0.01476	4.13E-02	6.28E-04	1.50E-08	3.50E-04	8.71E-04	4.32E-03	2.39E-03	2.31E-03	4.75E-02
1362	493927.33	3860402.55	0.00856	0.01439	0.00619	0.01425	0.00402	0.06677	0.01427	0.01439	4.11E-02	6.12E-04	1.48E-08	3.45E-04	8.67E-04	4.32E-03	2.33E-03	2.25E-03	4.73E-02
1363	493977.33	3860402.55	0.00852	0.01403	0.00612	0.01406	0.00401	0.06685	0.0139	0.01403	4.09E-02	5.97E-04	1.47E-08	3.41E-04	8.65E-04	4.33E-03	2.27E-03	2.20E-03	4.71E-02
1364	494027.33	3860402.55	0.00845	0.01385	0.00609	0.0139	0.00399	0.06597	0.01373	0.01385	4.06E-02	5.89E-04	1.46E-08	3.37E-04	8.61E-04	4.27E-03	2.24E-03	2.17E-03	4.67E-02

1365	493677.33	3860452.55	0.00862	0.01632	0.00611	0.01464	0.00414	0.05195	0.01623	0.01632	4.14E-02	6.94E-04	1.47E-08	3.55E-04	8.93E-04	3.36E-03	2.65E-03	2.56E-03	4.68E-02
1366	493727.33	3860452.55	0.00852	0.01616	0.00606	0.01447	0.00408	0.05113	0.01607	0.01616	4.09E-02	6.88E-04	1.45E-08	3.51E-04	8.80E-04	3.31E-03	2.62E-03	2.53E-03	4.62E-02
1367	493777.33	3860452.55	0.00844	0.01588	0.00604	0.0143	0.00404	0.05064	0.01579	0.01588	4.05E-02	6.76E-04	1.45E-08	3.46E-04	8.71E-04	3.28E-03	2.58E-03	2.49E-03	4.58E-02
1368	493827.33	3860452.55	0.00839	0.01553	0.00602	0.01414	0.00401	0.05044	0.01542	0.01553	4.03E-02	6.61E-04	1.44E-08	3.43E-04	8.65E-04	3.26E-03	2.52E-03	2.43E-03	4.55E-02
1369	493877.33	3860452.55	0.00833	0.01521	0.00601	0.01398	0.00398	0.05017	0.0151	0.01521	4.00E-02	6.47E-04	1.44E-08	3.39E-04	8.58E-04	3.25E-03	2.46E-03	2.38E-03	4.51E-02
1370	493927.33	3860452.55	0.00831	0.01479	0.00595	0.01382	0.00396	0.05022	0.01468	0.01479	3.99E-02	6.29E-04	1.43E-08	3.35E-04	8.54E-04	3.25E-03	2.40E-03	2.32E-03	4.50E-02
1371	493977.33	3860452.55	0.00824	0.01456	0.00592	0.01367	0.00394	0.04976	0.01444	0.01456	3.95E-02	6.20E-04	1.42E-08	3.31E-04	8.50E-04	3.22E-03	2.36E-03	2.28E-03	4.46E-02
1372	494027.33	3860452.55	0.00818	0.01434	0.00589	0.01352	0.00391	0.04923	0.01422	0.01434	3.93E-02	6.10E-04	1.41E-08	3.28E-04	8.43E-04	3.19E-03	2.32E-03	2.25E-03	4.43E-02
1373	493677.33	3860502.55	0.00833	0.01691	0.00582	0.0141	0.0041	0.04161	0.01684	0.01691	4.00E-02	7.19E-04	1.40E-08	3.42E-04	8.84E-04	2.69E-03	2.75E-03	2.65E-03	4.47E-02
1374	493727.33	3860502.55	0.00824	0.0167	0.00578	0.01395	0.00405	0.04109	0.01661	0.0167	3.95E-02	7.11E-04	1.39E-08	3.38E-04	8.73E-04	2.66E-03	2.71E-03	2.62E-03	4.42E-02
1375	493777.33	3860502.55	0.00817	0.0164	0.00576	0.01381	0.00401	0.04072	0.01632	0.0164	3.92E-02	6.98E-04	1.38E-08	3.35E-04	8.65E-04	2.63E-03	2.66E-03	2.57E-03	4.38E-02
1376	493827.33	3860502.55	0.00811	0.01612	0.00574	0.01367	0.00397	0.04038	0.01602	0.01612	3.89E-02	6.86E-04	1.38E-08	3.31E-04	8.56E-04	2.61E-03	2.61E-03	2.53E-03	4.35E-02
1377	493877.33	3860502.55	0.00806	0.01575	0.00573	0.01353	0.00394	0.0402	0.01566	0.01575	3.87E-02	6.70E-04	1.37E-08	3.28E-04	8.50E-04	2.60E-03	2.56E-03	2.47E-03	4.32E-02
1378	493927.33	3860502.55	0.00803	0.01536	0.00573	0.0134	0.00391	0.04008	0.01526	0.01536	3.85E-02	6.54E-04	1.37E-08	3.25E-04	8.43E-04	2.59E-03	2.49E-03	2.41E-03	4.30E-02
1379	493977.33	3860502.55	0.00796	0.01514	0.0057	0.01326	0.00387	0.03967	0.01504	0.01514	3.82E-02	6.44E-04	1.37E-08	3.21E-04	8.35E-04	2.57E-03	2.45E-03	2.37E-03	4.26E-02
1380	494027.33	3860502.55	0.00791	0.01489	0.00568	0.01312	0.00384	0.03932	0.01478	0.01489	3.80E-02	6.34E-04	1.36E-08	3.18E-04	8.28E-04	2.54E-03	2.41E-03	2.33E-03	4.24E-02
1381	493627.33	3860552.55	0.00811	0.0179	0.00555	0.01369	0.0041	0.03498	0.01783	0.0179	3.89E-02	7.62E-04	1.33E-08	3.32E-04	8.84E-04	2.26E-03	2.91E-03	2.80E-03	4.33E-02
1382	493677.33	3860552.55	0.00802	0.01765	0.00552	0.01356	0.00405	0.03457	0.01758	0.01765	3.85E-02	7.51E-04	1.32E-08	3.29E-04	8.73E-04	2.24E-03	2.87E-03	2.76E-03	4.28E-02
1383	493727.33	3860552.55	0.00795	0.01738	0.00549	0.01343	0.00401	0.03421	0.0173	0.01738	3.82E-02	7.39E-04	1.32E-08	3.25E-04	8.65E-04	2.21E-03	2.82E-03	2.72E-03	4.24E-02
1384	493777.33	3860552.55	0.00789	0.01704	0.00548	0.01331	0.00397	0.03396	0.01696	0.01704	3.79E-02	7.25E-04	1.31E-08	3.22E-04	8.56E-04	2.20E-03	2.77E-03	2.67E-03	4.21E-02
1385	493827.33	3860552.55	0.00785	0.01665	0.00548	0.01319	0.00394	0.03378	0.01657	0.01665	3.77E-02	7.08E-04	1.31E-08	3.20E-04	8.50E-04	2.19E-03	2.70E-03	2.61E-03	4.18E-02
1386	493877.33	3860552.55	0.00778	0.01639	0.00546	0.01307	0.00389	0.03347	0.01631	0.01639	3.73E-02	6.97E-04	1.31E-08	3.17E-04	8.39E-04	2.17E-03	2.66E-03	2.57E-03	4.14E-02
1387	493927.33	3860552.55	0.00774	0.01604	0.00545	0.01295	0.00386	0.03328	0.01596	0.01604	3.71E-02	6.82E-04	1.31E-08	3.14E-04	8.33E-04	2.15E-03	2.61E-03	2.51E-03	4.12E-02
1388	493977.33	3860552.55	0.00771	0.01568	0.00545	0.01284	0.00383	0.03311	0.01559	0.01568	3.70E-02	6.67E-04	1.31E-08	3.11E-04	8.26E-04	2.14E-03	2.54E-03	2.46E-03	4.10E-02
1389	494027.33	3860552.55	0.00765	0.01546	0.00543	0.01272	0.0038	0.0328	0.01536	0.01546	3.67E-02	6.58E-04	1.30E-08	3.08E-04	8.20E-04	2.12E-03	2.51E-03	2.42E-03	4.07E-02
1390	493627.33	3860602.55	0.00782	0.01862	0.00529	0.01315	0.00406	0.02975	0.01857	0.01862	3.75E-02	7.92E-04	1.27E-08	3.19E-04	8.76E-04	1.92E-03	3.03E-03	2.92E-03	4.16E-02
1391	493727.33	3860602.55	0.00766	0.01814	0.00522	0.0129	0.00396	0.02912	0.01807	0.01814	3.68E-02	7.72E-04	1.25E-08	3.13E-04	8.54E-04	1.88E-03	2.95E-03	2.84E-03	4.07E-02
1392	493777.33	3860602.55	0.00762	0.01769	0.00523	0.01281	0.00393	0.02903	0.01762	0.01769	3.66E-02	7.53E-04	1.25E-08	3.10E-04	8.48E-04	1.88E-03	2.88E-03	2.77E-03	4.05E-02
1393	493827.33	3860602.55	0.00757	0.01736	0.00521	0.01271	0.0039	0.02883	0.01729	0.01736	3.63E-02	7.39E-04	1.25E-08	3.08E-04	8.41E-04	1.87E-03	2.82E-03	2.72E-03	4.02E-02
1394	493877.33	3860602.55	0.00754	0.01696	0.00522	0.01262	0.00387	0.02871	0.01689	0.01696	3.62E-02	7.22E-04	1.25E-08	3.06E-04	8.35E-04	1.86E-03	2.76E-03	2.66E-03	4.00E-02
1395	493927.33	3860602.55	0.00749	0.01663	0.00521	0.01252	0.00383	0.02854	0.01655	0.01663	3.59E-02	7.08E-04	1.25E-08	3.03E-04	8.26E-04	1.85E-03	2.70E-03	2.61E-03	3.97E-02
1396	493977.33	3860602.55	0.00745	0.0163	0.0052	0.01242	0.0038	0.02839	0.01621	0.0163	3.58E-02	6.94E-04	1.25E-08	3.01E-04	8.20E-04	1.84E-03	2.65E-03	2.55E-03	3.95E-02
1397	494027.33	3860602.55	0.00739	0.01609	0.00518	0.01231	0.00376	0.02815	0.016	0.01609	3.55E-02	6.85E-04	1.24E-08	2.98E-04	8.11E-04	1.82E-03	2.61E-03	2.52E-03	3.92E-02
1398	493627.33	3860652.55	0.00753	0.01946	0.00503	0.01262	0.004	0.02565	0.01942	0.01946	3.61E-02	8.28E-04	1.21E-08	3.06E-04	8.63E-04	1.66E-03	3.17E-03	3.05E-03	3.99E-02
1399	493727.33	3860652.55	0.00739	0.0189	0.00497	0.0124	0.00392	0.02523	0.01884	0.0189	3.55E-02	8.04E-04	1.19E-08	3.00E-04	8.45E-04	1.63E-03	3.08E-03	2.96E-03	3.92E-02
1400	493777.33	3860652.55	0.00735	0.01847	0.00497	0.01232	0.00389	0.02516	0.01841	0.01847	3.53E-02	7.86E-04	1.19E-08	2.98E-04	8.39E-04	1.63E-03	3.01E-03	2.89E-03	3.89E-02
1401	493827.33	3860652.55	0.00731	0.01806	0.00497	0.01224	0.00386	0.02508	0.018	0.01806	3.51E-02	7.68E-04	1.19E-08	2.97E-04	8.33E-04	1.62E-03	2.94E-03	2.83E-03	3.87E-02
1402	493877.33	3860652.55	0.00728	0.01763	0.00498	0.01217	0.00384	0.02502	0.01757	0.01763	3.49E-02	7.50E-04	1.19E-08	2.95E-04	8.28E-04	1.62E-03	2.87E-03	2.76E-03	3.85E-02
1403	493927.33	3860652.55	0.00724	0.0173	0.00497	0.01208	0.0038	0.0249	0.01723	0.0173	3.47E-02	7.36E-04	1.19E-08	2.93E-04	8.20E-04	1.61E-03	2.81E-03	2.71E-03	3.83E-02
1404	493977.33	3860652.55	0.0072	0.017	0.00496	0.01199	0.00376	0.02478	0.01693	0.017	3.46E-02	7.23E-04	1.19E-08	2.90E-04	8.11E-04	1.60E-03	2.76E-03	2.66E-03	3.81E-02
1405	494027.33	3860652.55	0.00717	0.01664	0.00496	0.01191	0.00373	0.0247	0.01656	0.01664	3.44E-02	7.08E-04	1.19E-08	2.89E-04	8.04E-04	1.60E-03	2.70E-03	2.61E-03	3.79E-02
1406	494311.06	3858401.99	0.01171	0.00464	0.00661	0.01236	0.01057	0.01198	0.00459	0.00464	5.62E-02	1.97E-04	1.59E-08	2.99E-04	2.28E-03	7.75E-04	7.49E-04	7.27E-04	5.98E-02
1407	494361.06	3858401.99	0.01152	0.0046	0.00653	0.01218	0.01041	0.01196	0.00455	0.0046	5.53E-02	1.96E-04	1.57E-08	2.95E-04	2.25E-03	7.74E-04	7.43E-04	7.21E-04	5.88E-02
1408	494411.06	3858401.99	0.01138	0.00456	0.00647	0.01203	0.0103	0.01198	0.00452	0.00456	5.46E-02	1.94E-04	1.55E-08	2.91E-04	2.22E-03	7.75E-04	7.38E-04	7.14E-04	5.81E-02
1409	494461.06	3858401.99	0.01131	0.00454	0.00642	0.01193	0.01023	0.01204	0.0045	0.00454	5.43E-02	1.93E-04	1.54E-08	2.89E-04	2.21E-03	7.79E-04	7.35E-04	7.11E-04	5.78E-02
1410	494511.06	3858401.99	0.01116	0.00451	0.00635	0.01178	0.01011	0.01207	0.00446	0.00451	5.36E-02	1.92E-04	1.52E-08	2.85E-04	2.18E-03	7.81E-04	7.28E-04	7.06E-04	5.70E-02
1411	494561.06	3858401.99	0.01108	0.00449	0.0063	0.01168	0.01004	0.01215	0.00444	0.00449	5.32E-02	1.91E-04	1.51E-08	2.83E-04	2.17E-03	7.86E-04	7.25E-04	7.03E-04	5.66E-02
1412	494611.06	3858401.99	0.0109	0.00445	0.00624	0.01154	0.00992	0.0122	0.00441	0.00445	5.23E-02	1.89E-04	1.50E-08	2.80E-04	2.14E-03	7.89E-04	7.20E-04	6.97E-04	5.57E-02
1413	494661.06	3858401.99	0.01078	0.00442	0.00616	0.0114	0.00969	0.01224	0.00438	0.00442	5.17E-02	1.88E-04	1.48E-08	2.76E-04	2.09E-03	7.92E-04	7.15E-04	6.92E-04	5.51E-02
1414	494711.06	3858401.99	0.01061	0.00438	0.00609	0.01124	0.00954	0.01224	0.00434	0.00438	5.09E-02	1.86E-04	1.46E-08	2.72E-04	2.06E-03	7.92E-04	7.08E-04	6.86E-04	5.42E-02
1415	494761.06	3858401.99	0.01051	0.00436	0.00604	0.01113	0.00946	0.01228	0.00432	0.00436	5.04E-02	1.86E-04	1.45E-08	2.70E-04	2.04E-03	7.95E-04	7.05E-04	6.83E-04	5.37E-02
1416	494811.06	3858401.99	0.01037	0.00433	0.00597	0.01099	0.00935	0.01233	0.00428	0.00433	4.98E-02	1.84E-04	1.43E-08	2.66E-04	2.02E-03	7.98E-04	6.99E-04	6.78E-04	5.30E-02
1417	494861.06	3858401.99	0.01025	0.0043	0.00592	0.01086	0.00925	0.0124	0.00426	0.0043	4.92E-02	1.83E-04	1.42E-08	2.63E-04	1.99E-03	8.02E-04	6.95E-04	6.74E-04	5.25E-02
1418	494911.06	3858401.99	0.01013	0.00427	0.00586	0.01074	0.00915	0.01246	0.00423	0.00427	4.86E-02	1.82E-04	1.41E-08	2.60E-04	1.97E-03	8.06E-04	6.90E-04	6.69E-04	5.19E-02
1419	494961.06	3858401.99	0.01001	0.00424	0.0058	0.01061	0.00904	0.01252	0.0042	0.00424	4.80E-02	1.80E-04	1.39E-08	2.57E-04	1.95E-03	8.10E-04	6.86E-04	6.64E-04	5.13E-02
1420	495011.06	3858401.99	0.00986	0.00421	0.00573	0.01047	0.00892	0.01256	0.00416	0.00421	4.73E-02	1.79E-04	1.37E-08	2.54E-04	1.92E-03	8.13E-04	6.79E-04	6.60E-04	5.05E-02
1421	495061.06	3858401.99	0.00974	0.00418	0.00568	0.01034	0.00882	0.01264	0.00413	0.00418	4.67E-02	1.78E-04	1.36E-08	2.51E-04	1.90E-03	8.18E-04	6.74E-04	6.55E-04	4.99E-02

1422	495111.06	3858401.99	0.00953	0.00413	0.00559	0.01016	0.00865	0.01269	0.00408	0.00413	4.57E-02	1.76E-04	1.34E-08	2.46E-04	1.87E-03	8.21E-04	6.66E-04	6.47E-04	4.89E-02
1423	495161.06	3858401.99	0.00947	0.00411	0.00556	0.01008	0.0086	0.01286	0.00407	0.00411	4.54E-02	1.75E-04	1.33E-08	2.44E-04	1.85E-03	8.32E-04	6.64E-04	6.44E-04	4.86E-02
1424	495211.06	3858401.99	0.00929	0.00407	0.00547	0.00992	0.00843	0.01294	0.00402	0.00407	4.46E-02	1.73E-04	1.31E-08	2.40E-04	1.82E-03	8.37E-04	6.56E-04	6.38E-04	4.77E-02
1425	495261.06	3858401.99	0.00918	0.00404	0.00541	0.00981	0.00834	0.01309	0.004	0.00404	4.41E-02	1.72E-04	1.30E-08	2.38E-04	1.80E-03	8.47E-04	6.53E-04	6.33E-04	4.71E-02
1426	495311.06	3858401.99	0.00907	0.00402	0.00536	0.0097	0.00825	0.01327	0.00397	0.00402	4.35E-02	1.71E-04	1.29E-08	2.35E-04	1.78E-03	8.59E-04	6.48E-04	6.30E-04	4.66E-02
1427	495361.06	3858401.99	0.00899	0.004	0.00532	0.00961	0.00819	0.0135	0.00395	0.004	4.31E-02	1.70E-04	1.28E-08	2.33E-04	1.77E-03	8.73E-04	6.45E-04	6.27E-04	4.62E-02
1428	495411.06	3858401.99	0.00894	0.00398	0.00528	0.00954	0.00814	0.0138	0.00394	0.00398	4.29E-02	1.69E-04	1.27E-08	2.31E-04	1.76E-03	8.93E-04	6.43E-04	6.23E-04	4.60E-02
1429	495461.06	3858401.99	0.0089	0.00397	0.00525	0.00949	0.00811	0.01415	0.00393	0.00397	4.27E-02	1.69E-04	1.26E-08	2.30E-04	1.75E-03	9.16E-04	6.41E-04	6.22E-04	4.58E-02
1430	495511.06	3858401.99	0.00885	0.00396	0.00522	0.00942	0.00806	0.01456	0.00391	0.00396	4.25E-02	1.68E-04	1.25E-08	2.28E-04	1.74E-03	9.42E-04	6.38E-04	6.20E-04	4.56E-02
1431	495561.06	3858401.99	0.00877	0.00393	0.00516	0.00932	0.00797	0.01499	0.00389	0.00393	4.21E-02	1.67E-04	1.24E-08	2.26E-04	1.72E-03	9.70E-04	6.35E-04	6.16E-04	4.52E-02
1432	495611.06	3858401.99	0.00873	0.00392	0.00513	0.00926	0.00793	0.01553	0.00387	0.00392	4.19E-02	1.67E-04	1.23E-08	2.24E-04	1.71E-03	1.00E-03	6.32E-04	6.14E-04	4.50E-02
1433	495661.06	3858401.99	0.00873	0.00393	0.00513	0.00924	0.00796	0.01623	0.00388	0.00393	4.19E-02	1.67E-04	1.23E-08	2.24E-04	1.72E-03	1.05E-03	6.33E-04	6.16E-04	4.51E-02
1434	494311.06	3858451.99	0.01197	0.00475	0.00674	0.01249	0.01058	0.0124	0.00471	0.00475	5.74E-02	2.02E-04	1.62E-08	3.03E-04	2.28E-03	8.02E-04	7.69E-04	7.44E-04	6.11E-02
1435	494361.06	3858451.99	0.01181	0.00471	0.00665	0.01232	0.01045	0.01241	0.00467	0.00471	5.67E-02	2.00E-04	1.59E-08	2.98E-04	2.25E-03	8.03E-04	7.62E-04	7.38E-04	6.03E-02
1436	494411.06	3858451.99	0.01167	0.00468	0.00658	0.01217	0.01034	0.01244	0.00463	0.00468	5.60E-02	1.99E-04	1.58E-08	2.95E-04	2.23E-03	8.05E-04	7.56E-04	7.33E-04	5.96E-02
1437	494461.06	3858451.99	0.01155	0.00464	0.00652	0.01204	0.01024	0.01248	0.0046	0.00464	5.54E-02	1.97E-04	1.56E-08	2.92E-04	2.21E-03	8.07E-04	7.51E-04	7.27E-04	5.90E-02
1438	494511.06	3858451.99	0.01146	0.00462	0.00647	0.01193	0.01017	0.01256	0.00458	0.00462	5.50E-02	1.97E-04	1.55E-08	2.89E-04	2.19E-03	8.13E-04	7.48E-04	7.24E-04	5.85E-02
1439	494561.06	3858451.99	0.01131	0.00458	0.0064	0.01178	0.01005	0.0126	0.00454	0.00458	5.43E-02	1.95E-04	1.53E-08	2.85E-04	2.17E-03	8.15E-04	7.41E-04	7.17E-04	5.78E-02
1440	494611.06	3858451.99	0.01119	0.00455	0.00634	0.01165	0.00995	0.01267	0.00451	0.00455	5.37E-02	1.94E-04	1.52E-08	2.82E-04	2.15E-03	8.20E-04	7.36E-04	7.13E-04	5.72E-02
1441	494661.06	3858451.99	0.01106	0.00452	0.00627	0.01152	0.00985	0.01273	0.00448	0.00452	5.31E-02	1.92E-04	1.50E-08	2.79E-04	2.12E-03	8.24E-04	7.31E-04	7.08E-04	5.65E-02
1442	494711.06	3858451.99	0.01091	0.00448	0.0062	0.01137	0.00972	0.01275	0.00445	0.00448	5.24E-02	1.91E-04	1.49E-08	2.75E-04	2.10E-03	8.25E-04	7.26E-04	7.02E-04	5.58E-02
1443	494761.06	3858451.99	0.01076	0.00445	0.00613	0.01122	0.0096	0.01277	0.00441	0.00445	5.16E-02	1.89E-04	1.47E-08	2.72E-04	2.07E-03	8.26E-04	7.20E-04	6.97E-04	5.50E-02
1444	494811.06	3858451.99	0.01059	0.00442	0.00607	0.01109	0.00949	0.01283	0.00438	0.00442	5.08E-02	1.88E-04	1.46E-08	2.69E-04	2.05E-03	8.30E-04	7.15E-04	6.92E-04	5.42E-02
1445	494861.06	3858451.99	0.01045	0.00438	0.00599	0.01095	0.00924	0.01289	0.00434	0.00438	5.01E-02	1.86E-04	1.44E-08	2.65E-04	1.99E-03	8.34E-04	7.08E-04	6.86E-04	5.34E-02
1446	494911.06	3858451.99	0.01031	0.00434	0.00592	0.01078	0.0091	0.01292	0.0043	0.00434	4.95E-02	1.85E-04	1.42E-08	2.61E-04	1.96E-03	8.36E-04	7.02E-04	6.80E-04	5.27E-02
1447	494961.06	3858451.99	0.01014	0.00431	0.00586	0.01065	0.00899	0.01298	0.00427	0.00431	4.87E-02	1.83E-04	1.41E-08	2.58E-04	1.94E-03	8.40E-04	6.97E-04	6.75E-04	5.19E-02
1448	495011.06	3858451.99	0.00998	0.00427	0.00579	0.0105	0.00886	0.01302	0.00423	0.00427	4.79E-02	1.82E-04	1.39E-08	2.54E-04	1.91E-03	8.42E-04	6.90E-04	6.69E-04	5.11E-02
1449	495061.06	3858451.99	0.0099	0.00425	0.00574	0.0104	0.00879	0.01314	0.00421	0.00425	4.75E-02	1.81E-04	1.38E-08	2.52E-04	1.90E-03	8.50E-04	6.87E-04	6.66E-04	5.07E-02
1450	495111.06	3858451.99	0.00974	0.00421	0.00567	0.01026	0.00867	0.01325	0.00417	0.00421	4.67E-02	1.79E-04	1.36E-08	2.49E-04	1.87E-03	8.57E-04	6.81E-04	6.60E-04	4.99E-02
1451	495161.06	3858451.99	0.00957	0.00417	0.0056	0.0101	0.00853	0.01334	0.00413	0.00417	4.59E-02	1.77E-04	1.34E-08	2.45E-04	1.84E-03	8.63E-04	6.74E-04	6.53E-04	4.91E-02
1452	495211.06	3858451.99	0.00941	0.00414	0.00554	0.00996	0.00841	0.01346	0.00409	0.00414	4.52E-02	1.76E-04	1.33E-08	2.41E-04	1.81E-03	8.71E-04	6.68E-04	6.49E-04	4.83E-02
1453	495261.06	3858451.99	0.00931	0.00411	0.00549	0.00985	0.00832	0.01364	0.00406	0.00411	4.47E-02	1.75E-04	1.32E-08	2.39E-04	1.79E-03	8.83E-04	6.63E-04	6.44E-04	4.78E-02
1454	495311.06	3858451.99	0.00922	0.00408	0.00543	0.00975	0.00825	0.01386	0.00404	0.00408	4.42E-02	1.74E-04	1.30E-08	2.36E-04	1.78E-03	8.97E-04	6.59E-04	6.39E-04	4.74E-02
1455	495361.06	3858451.99	0.00914	0.00406	0.00539	0.00966	0.00818	0.01413	0.00402	0.00406	4.39E-02	1.73E-04	1.29E-08	2.34E-04	1.76E-03	9.14E-04	6.56E-04	6.36E-04	4.70E-02
1456	495411.06	3858451.99	0.00909	0.00405	0.00535	0.0096	0.00814	0.01448	0.00401	0.00405	4.36E-02	1.72E-04	1.28E-08	2.33E-04	1.76E-03	9.37E-04	6.55E-04	6.34E-04	4.67E-02
1457	495461.06	3858451.99	0.00906	0.00404	0.00532	0.00954	0.00811	0.0149	0.004	0.00404	4.35E-02	1.72E-04	1.28E-08	2.31E-04	1.75E-03	9.64E-04	6.53E-04	6.33E-04	4.66E-02
1458	495511.06	3858451.99	0.00897	0.00402	0.00528	0.00945	0.00802	0.01534	0.00398	0.00402	4.30E-02	1.71E-04	1.27E-08	2.29E-04	1.73E-03	9.93E-04	6.50E-04	6.30E-04	4.62E-02
1459	495561.06	3858451.99	0.00896	0.00401	0.00526	0.00941	0.00803	0.01595	0.00397	0.00401	4.30E-02	1.71E-04	1.26E-08	2.28E-04	1.73E-03	1.03E-03	6.48E-04	6.28E-04	4.62E-02
1460	495611.06	3858451.99	0.00886	0.00399	0.00521	0.00931	0.00793	0.01651	0.00395	0.00399	4.25E-02	1.70E-04	1.25E-08	2.26E-04	1.71E-03	1.07E-03	6.45E-04	6.25E-04	4.57E-02
1461	495661.06	3858451.99	0.00883	0.00398	0.00519	0.00926	0.0079	0.01725	0.00394	0.00398	4.24E-02	1.69E-04	1.24E-08	2.24E-04	1.70E-03	1.12E-03	6.43E-04	6.23E-04	4.56E-02
1462	494311.06	3858501.99	0.01207	0.00484	0.00683	0.01251	0.01045	0.01275	0.00479	0.00484	5.79E-02	2.06E-04	1.64E-08	3.03E-04	2.25E-03	8.25E-04	7.82E-04	7.58E-04	6.15E-02
1463	494361.06	3858501.99	0.01195	0.00481	0.00676	0.01237	0.01036	0.0128	0.00476	0.00481	5.73E-02	2.05E-04	1.62E-08	3.00E-04	2.23E-03	8.28E-04	7.77E-04	7.53E-04	6.09E-02
1464	494411.06	3858501.99	0.01182	0.00477	0.00668	0.01223	0.01027	0.01285	0.00472	0.00477	5.67E-02	2.03E-04	1.60E-08	2.96E-04	2.21E-03	8.31E-04	7.70E-04	7.47E-04	6.03E-02
1465	494461.06	3858501.99	0.01172	0.00474	0.00662	0.01212	0.0102	0.01293	0.0047	0.00474	5.62E-02	2.02E-04	1.59E-08	2.94E-04	2.20E-03	8.37E-04	7.67E-04	7.43E-04	5.98E-02
1466	494511.06	3858501.99	0.01156	0.0047	0.00655	0.01196	0.01007	0.01296	0.00465	0.0047	5.55E-02	2.00E-04	1.57E-08	2.90E-04	2.17E-03	8.39E-04	7.59E-04	7.36E-04	5.90E-02
1467	494561.06	3858501.99	0.01154	0.00469	0.00651	0.01191	0.01007	0.01311	0.00465	0.00469	5.54E-02	2.00E-04	1.56E-08	2.89E-04	2.17E-03	8.48E-04	7.59E-04	7.35E-04	5.89E-02
1468	494611.06	3858501.99	0.0114	0.00465	0.00643	0.01177	0.00995	0.01318	0.00461	0.00465	5.47E-02	1.98E-04	1.54E-08	2.85E-04	2.15E-03	8.53E-04	7.52E-04	7.28E-04	5.82E-02
1469	494661.06	3858501.99	0.0113	0.00462	0.00638	0.01166	0.00987	0.01328	0.00458	0.00462	5.42E-02	1.97E-04	1.53E-08	2.82E-04	2.13E-03	8.59E-04	7.48E-04	7.24E-04	5.77E-02
1470	494711.06	3858501.99	0.01114	0.00458	0.0063	0.0115	0.00975	0.01332	0.00454	0.00458	5.35E-02	1.95E-04	1.51E-08	2.79E-04	2.10E-03	8.62E-04	7.41E-04	7.17E-04	5.69E-02
1471	494761.06	3858501.99	0.01097	0.00454	0.00622	0.01132	0.0096	0.01332	0.0045	0.00454	5.26E-02	1.93E-04	1.49E-08	2.74E-04	2.07E-03	8.62E-04	7.35E-04	7.11E-04	5.61E-02
1472	494811.06	3858501.99	0.0108	0.0045	0.00615	0.01117	0.00947	0.01336	0.00446	0.0045	5.18E-02	1.91E-04	1.47E-08	2.71E-04	2.04E-03	8.64E-04	7.28E-04	7.05E-04	5.52E-02
1473	494861.06	3858501.99	0.01069	0.00447	0.00609	0.01105	0.00938	0.01344	0.00443	0.00447	5.13E-02	1.90E-04	1.46E-08	2.68E-04	2.02E-03	8.70E-04	7.23E-04	7.00E-04	5.47E-02
1474	494911.06	3858501.99	0.01044	0.00442	0.00601	0.01086	0.00921	0.01344	0.00438	0.00442	5.01E-02	1.88E-04	1.44E-08	2.63E-04	1.99E-03	8.70E-04	7.15E-04	6.92E-04	5.34E-02
1475	494961.06	3858501.99	0.01032	0.00439	0.00594	0.01074	0.00898	0.01352	0.00435	0.00439	4.95E-02	1.87E-04	1.42E-08	2.60E-04	1.94E-03	8.75E-04	7.10E-04	6.88E-04	5.28E-02
1476	495011.06	3858501.99	0.01014	0.00435	0.00586	0.01057	0.00883	0.01356	0.00431	0.00435	4.87E-02	1.85E-04	1.41E-08	2.56E-04	1.90E-03	8.77E-04	7.04E-04	6.81E-04	5.19E-02
1477	495061.06	3858501.99	0.01005	0.00432	0.00582	0.01048	0.00876	0.0137	0.00428	0.00432	4.82E-02	1.84E-04	1.40E-08	2.54E-04	1.89E-03	8.86E-04	6.99E-04	6.77E-04	5.15E-02
1478	495111.06	3858501.99	0.00983	0.00427	0.00572	0.01028	0.00859	0.01377	0.00423	0.00427	4.72E-02	1.82E-04	1.37E-08	2.49E-04	1.85E-03	8.91E-04	6.90E-04	6.69E-04	5.04E-02

1479	495161.06	3858501.99	0.00969	0.00424	0.00566	0.01014	0.00848	0.0139	0.00419	0.00424	4.65E-02	1.80E-04	1.36E-08	2.46E-04	1.83E-03	8.99E-04	6.84E-04	6.64E-04	4.97E-02
1480	495211.06	3858501.99	0.00954	0.0042	0.0056	0.01001	0.00837	0.01405	0.00416	0.0042	4.58E-02	1.79E-04	1.34E-08	2.43E-04	1.81E-03	9.09E-04	6.79E-04	6.58E-04	4.89E-02
1481	495261.06	3858501.99	0.00944	0.00418	0.00555	0.0099	0.00828	0.01426	0.00413	0.00418	4.53E-02	1.78E-04	1.33E-08	2.40E-04	1.79E-03	9.23E-04	6.74E-04	6.55E-04	4.84E-02
1482	495311.06	3858501.99	0.00937	0.00416	0.00551	0.00982	0.00823	0.01453	0.00411	0.00416	4.50E-02	1.77E-04	1.32E-08	2.38E-04	1.78E-03	9.40E-04	6.71E-04	6.52E-04	4.81E-02
1483	495361.06	3858501.99	0.0093	0.00414	0.00547	0.00974	0.00818	0.01487	0.00409	0.00414	4.46E-02	1.76E-04	1.31E-08	2.36E-04	1.76E-03	9.62E-04	6.68E-04	6.49E-04	4.78E-02
1484	495411.06	3858501.99	0.00925	0.00412	0.00544	0.00967	0.00813	0.01528	0.00408	0.00412	4.44E-02	1.75E-04	1.30E-08	2.34E-04	1.75E-03	9.89E-04	6.66E-04	6.45E-04	4.76E-02
1485	495461.06	3858501.99	0.0092	0.00411	0.00541	0.0096	0.0081	0.01577	0.00407	0.00411	4.41E-02	1.75E-04	1.30E-08	2.33E-04	1.75E-03	1.02E-03	6.64E-04	6.44E-04	4.73E-02
1486	495511.06	3858501.99	0.00914	0.00409	0.00537	0.00953	0.00804	0.01632	0.00405	0.00409	4.39E-02	1.74E-04	1.29E-08	2.31E-04	1.73E-03	1.06E-03	6.61E-04	6.41E-04	4.71E-02
1487	495561.06	3858501.99	0.00913	0.00409	0.00535	0.00949	0.00803	0.01701	0.00405	0.00409	4.38E-02	1.74E-04	1.28E-08	2.30E-04	1.73E-03	1.10E-03	6.61E-04	6.41E-04	4.71E-02
1488	495611.06	3858501.99	0.00905	0.00406	0.00528	0.0094	0.00792	0.01769	0.00402	0.00406	4.34E-02	1.73E-04	1.27E-08	2.28E-04	1.71E-03	1.14E-03	6.56E-04	6.36E-04	4.67E-02
1489	495661.06	3858501.99	0.00901	0.00405	0.00528	0.00935	0.00793	0.01854	0.00402	0.00405	4.32E-02	1.72E-04	1.27E-08	2.27E-04	1.71E-03	1.20E-03	6.56E-04	6.34E-04	4.66E-02
1490	494311.06	3858551.99	0.01204	0.00487	0.00682	0.0124	0.01011	0.01302	0.00482	0.00487	5.78E-02	2.07E-04	1.64E-08	3.00E-04	2.18E-03	8.42E-04	7.87E-04	7.63E-04	6.13E-02
1491	494361.06	3858551.99	0.01204	0.00487	0.00679	0.01237	0.01014	0.01316	0.00482	0.00487	5.78E-02	2.07E-04	1.63E-08	3.00E-04	2.19E-03	8.51E-04	7.87E-04	7.63E-04	6.13E-02
1492	494411.06	3858551.99	0.01201	0.00488	0.00681	0.01235	0.01023	0.01335	0.00483	0.00488	5.76E-02	2.08E-04	1.63E-08	2.99E-04	2.21E-03	8.64E-04	7.88E-04	7.64E-04	6.12E-02
1493	494461.06	3858551.99	0.01195	0.00486	0.00676	0.01226	0.0102	0.01346	0.00481	0.00486	5.73E-02	2.07E-04	1.62E-08	2.97E-04	2.20E-03	8.71E-04	7.85E-04	7.61E-04	6.09E-02
1494	494511.06	3858551.99	0.01184	0.00483	0.0067	0.01215	0.01012	0.01355	0.00478	0.00483	5.68E-02	2.06E-04	1.61E-08	2.94E-04	2.18E-03	8.77E-04	7.80E-04	7.57E-04	6.04E-02
1495	494561.06	3858551.99	0.01175	0.0048	0.00665	0.01204	0.01006	0.01366	0.00476	0.0048	5.64E-02	2.04E-04	1.59E-08	2.92E-04	2.17E-03	8.84E-04	7.77E-04	7.52E-04	6.00E-02
1496	494611.06	3858551.99	0.01163	0.00477	0.00658	0.01192	0.00997	0.01377	0.00473	0.00477	5.58E-02	2.03E-04	1.58E-08	2.89E-04	2.15E-03	8.91E-04	7.72E-04	7.47E-04	5.94E-02
1497	494661.06	3858551.99	0.01152	0.00474	0.00652	0.0118	0.00989	0.01389	0.0047	0.00474	5.53E-02	2.02E-04	1.56E-08	2.86E-04	2.13E-03	8.99E-04	7.67E-04	7.43E-04	5.88E-02
1498	494711.06	3858551.99	0.01135	0.00469	0.00642	0.01163	0.00976	0.01394	0.00465	0.00469	5.45E-02	2.00E-04	1.54E-08	2.82E-04	2.10E-03	9.02E-04	7.59E-04	7.35E-04	5.80E-02
1499	494761.06	3858551.99	0.01118	0.00464	0.00635	0.01147	0.00962	0.01396	0.0046	0.00464	5.37E-02	1.97E-04	1.52E-08	2.78E-04	2.07E-03	9.03E-04	7.51E-04	7.27E-04	5.71E-02
1500	494811.06	3858551.99	0.01104	0.0046	0.00627	0.01133	0.00951	0.01403	0.00457	0.0046	5.30E-02	1.96E-04	1.50E-08	2.74E-04	2.05E-03	9.08E-04	7.46E-04	7.21E-04	5.64E-02
1501	494861.06	3858551.99	0.01087	0.00456	0.00619	0.01116	0.00938	0.01407	0.00452	0.00456	5.22E-02	1.94E-04	1.48E-08	2.70E-04	2.02E-03	9.10E-04	7.38E-04	7.14E-04	5.56E-02
1502	494911.06	3858551.99	0.01069	0.00451	0.00611	0.01098	0.00923	0.01409	0.00448	0.00451	5.13E-02	1.92E-04	1.47E-08	2.66E-04	1.99E-03	9.12E-04	7.31E-04	7.06E-04	5.47E-02
1503	494961.06	3858551.99	0.01053	0.00447	0.00604	0.01083	0.0091	0.01414	0.00444	0.00447	5.05E-02	1.90E-04	1.45E-08	2.62E-04	1.96E-03	9.15E-04	7.25E-04	7.00E-04	5.39E-02
1504	495011.06	3858551.99	0.01034	0.00442	0.00596	0.01066	0.00895	0.01419	0.00439	0.00442	4.96E-02	1.88E-04	1.43E-08	2.58E-04	1.93E-03	9.18E-04	7.17E-04	6.92E-04	5.29E-02
1505	495061.06	3858551.99	0.01018	0.00439	0.00589	0.01054	0.00886	0.01433	0.00436	0.00439	4.89E-02	1.87E-04	1.41E-08	2.55E-04	1.91E-03	9.27E-04	7.12E-04	6.88E-04	5.22E-02
1506	495111.06	3858551.99	0.00996	0.00434	0.0058	0.01034	0.00855	0.01441	0.0043	0.00434	4.78E-02	1.85E-04	1.39E-08	2.51E-04	1.84E-03	9.32E-04	7.02E-04	6.80E-04	5.10E-02
1507	495161.06	3858551.99	0.00981	0.0043	0.00574	0.0102	0.00844	0.01456	0.00426	0.0043	4.71E-02	1.83E-04	1.38E-08	2.47E-04	1.82E-03	9.42E-04	6.95E-04	6.74E-04	5.03E-02
1508	495211.06	3858551.99	0.00968	0.00427	0.00567	0.01007	0.00834	0.01474	0.00423	0.00427	4.65E-02	1.82E-04	1.36E-08	2.44E-04	1.80E-03	9.54E-04	6.90E-04	6.69E-04	4.97E-02
1509	495261.06	3858551.99	0.00958	0.00424	0.00562	0.00997	0.00826	0.01499	0.0042	0.00424	4.60E-02	1.80E-04	1.35E-08	2.42E-04	1.78E-03	9.70E-04	6.86E-04	6.64E-04	4.92E-02
1510	495311.06	3858551.99	0.00952	0.00423	0.00558	0.00989	0.00822	0.01533	0.00419	0.00423	4.57E-02	1.80E-04	1.34E-08	2.40E-04	1.77E-03	9.92E-04	6.84E-04	6.63E-04	4.89E-02
1511	495361.06	3858551.99	0.00946	0.00421	0.00554	0.00981	0.00817	0.01573	0.00417	0.00421	4.54E-02	1.79E-04	1.33E-08	2.38E-04	1.76E-03	1.02E-03	6.81E-04	6.60E-04	4.86E-02
1512	495411.06	3858551.99	0.00942	0.0042	0.00551	0.00975	0.00813	0.01624	0.00416	0.0042	4.52E-02	1.79E-04	1.32E-08	2.36E-04	1.75E-03	1.05E-03	6.79E-04	6.58E-04	4.84E-02
1513	495461.06	3858551.99	0.00936	0.00418	0.00548	0.00968	0.00809	0.01681	0.00414	0.00418	4.49E-02	1.78E-04	1.31E-08	2.35E-04	1.74E-03	1.09E-03	6.76E-04	6.55E-04	4.82E-02
1514	495511.06	3858551.99	0.00932	0.00417	0.00545	0.00963	0.00806	0.01748	0.00413	0.00417	4.47E-02	1.77E-04	1.31E-08	2.33E-04	1.74E-03	1.13E-03	6.74E-04	6.53E-04	4.80E-02
1515	495561.06	3858551.99	0.00926	0.00415	0.00541	0.00956	0.00802	0.01822	0.00412	0.00415	4.44E-02	1.77E-04	1.30E-08	2.32E-04	1.73E-03	1.18E-03	6.73E-04	6.50E-04	4.78E-02
1516	495611.06	3858551.99	0.0092	0.00414	0.00537	0.00948	0.00797	0.01904	0.0041	0.00414	4.41E-02	1.76E-04	1.29E-08	2.30E-04	1.72E-03	1.23E-03	6.69E-04	6.49E-04	4.75E-02
1517	495661.06	3858551.99	0.00913	0.00412	0.00533	0.0094	0.00791	0.01998	0.00408	0.00412	4.38E-02	1.75E-04	1.28E-08	2.28E-04	1.71E-03	1.29E-03	6.66E-04	6.45E-04	4.72E-02
1518	494311.06	3858601.99	0.01164	0.00486	0.00676	0.01209	0.00957	0.01313	0.0048	0.00486	5.59E-02	2.07E-04	1.62E-08	2.93E-04	2.06E-03	8.50E-04	7.83E-04	7.61E-04	5.93E-02
1519	494361.06	3858601.99	0.01205	0.00493	0.00683	0.01234	0.0099	0.01355	0.00488	0.00493	5.78E-02	2.10E-04	1.64E-08	2.99E-04	2.14E-03	8.77E-04	7.97E-04	7.72E-04	6.14E-02
1520	494411.06	3858601.99	0.01225	0.005	0.00695	0.01252	0.01022	0.01395	0.00495	0.005	5.88E-02	2.13E-04	1.67E-08	3.03E-04	2.20E-03	9.03E-04	8.08E-04	7.83E-04	6.24E-02
1521	494461.06	3858601.99	0.01217	0.00497	0.0069	0.01243	0.01019	0.01408	0.00493	0.00497	5.84E-02	2.11E-04	1.65E-08	3.01E-04	2.20E-03	9.11E-04	8.05E-04	7.79E-04	6.21E-02
1522	494511.06	3858601.99	0.01205	0.00492	0.00681	0.01225	0.01008	0.01415	0.00489	0.00492	5.78E-02	2.09E-04	1.63E-08	2.97E-04	2.17E-03	9.16E-04	7.98E-04	7.71E-04	6.14E-02
1523	494561.06	3858601.99	0.01198	0.00492	0.00679	0.01221	0.01009	0.01434	0.00488	0.00492	5.75E-02	2.09E-04	1.63E-08	2.96E-04	2.18E-03	9.28E-04	7.97E-04	7.71E-04	6.11E-02
1524	494611.06	3858601.99	0.01183	0.00488	0.00671	0.01206	0.00997	0.01443	0.00484	0.00488	5.68E-02	2.08E-04	1.61E-08	2.92E-04	2.15E-03	9.34E-04	7.90E-04	7.64E-04	6.04E-02
1525	494661.06	3858601.99	0.01171	0.00484	0.00665	0.01193	0.00989	0.01458	0.0048	0.00484	5.62E-02	2.06E-04	1.59E-08	2.89E-04	2.13E-03	9.43E-04	7.83E-04	7.58E-04	5.98E-02
1526	494711.06	3858601.99	0.01155	0.0048	0.00657	0.01177	0.00976	0.01468	0.00476	0.0048	5.54E-02	2.04E-04	1.58E-08	2.85E-04	2.10E-03	9.50E-04	7.77E-04	7.52E-04	5.90E-02
1527	494761.06	3858601.99	0.01139	0.00475	0.00649	0.01161	0.00964	0.01473	0.00472	0.00475	5.47E-02	2.02E-04	1.56E-08	2.81E-04	2.08E-03	9.53E-04	7.70E-04	7.44E-04	5.82E-02
1528	494811.06	3858601.99	0.01118	0.00469	0.00637	0.0114	0.00946	0.01472	0.00466	0.00469	5.37E-02	2.00E-04	1.53E-08	2.76E-04	2.04E-03	9.52E-04	7.61E-04	7.35E-04	5.71E-02
1529	494861.06	3858601.99	0.01104	0.00465	0.00631	0.01127	0.00936	0.0148	0.00462	0.00465	5.30E-02	1.98E-04	1.51E-08	2.73E-04	2.02E-03	9.58E-04	7.54E-04	7.28E-04	5.65E-02
1530	494911.06	3858601.99	0.01083	0.0046	0.00621	0.01107	0.00919	0.0148	0.00456	0.0046	5.20E-02	1.96E-04	1.49E-08	2.68E-04	1.98E-03	9.58E-04	7.44E-04	7.21E-04	5.54E-02
1531	494961.06	3858601.99	0.01068	0.00455	0.00612	0.01092	0.00907	0.01486	0.00452	0.00455	5.13E-02	1.94E-04	1.47E-08	2.65E-04	1.96E-03	9.61E-04	7.38E-04	7.13E-04	5.47E-02
1532	495011.06	3858601.99	0.01052	0.00451	0.00605	0.01076	0.00894	0.01495	0.00448	0.00451	5.05E-02	1.92E-04	1.45E-08	2.61E-04	1.93E-03	9.67E-04	7.31E-04	7.06E-04	5.39E-02
1533	495061.06	3858601.99	0.01035	0.00447	0.00598	0.0106	0.00882	0.01507	0.00443	0.00447	4.97E-02	1.90E-04	1.43E-08	2.57E-04	1.90E-03	9.75E-04	7.23E-04	7.00E-04	5.30E-02
1534	495111.06	3858601.99	0.01008	0.00441	0.00588	0.0104	0.00864	0.01515	0.00437	0.00441	4.84E-02	1.88E-04	1.41E-08	2.52E-04	1.86E-03	9.80E-04	7.13E-04	6.91E-04	5.17E-02
1535	495161.06	3858601.99	0.00994	0.00438	0.00581	0.01027	0.0084	0.01534	0.00434	0.00438	4.77E-02	1.86E-04	1.39E-08	2.49E-04	1.81E-03	9.93E-04	7.08E-04	6.86E-04	5.10E-02

1536	495211.06	3858601.99	0.00985	0.00435	0.00576	0.01017	0.00833	0.01559	0.00431	0.00435	4.73E-02	1.85E-04	1.38E-08	2.46E-04	1.80E-03	1.01E-03	7.04E-04	6.81E-04	5.05E-02
1537	495261.06	3858601.99	0.00974	0.00432	0.00571	0.01006	0.00825	0.01588	0.00429	0.00432	4.67E-02	1.84E-04	1.37E-08	2.44E-04	1.78E-03	1.03E-03	7.00E-04	6.77E-04	5.00E-02
1538	495311.06	3858601.99	0.00966	0.0043	0.00567	0.00997	0.00819	0.01626	0.00426	0.0043	4.64E-02	1.83E-04	1.36E-08	2.42E-04	1.77E-03	1.05E-03	6.95E-04	6.74E-04	4.96E-02
1539	495361.06	3858601.99	0.0096	0.00428	0.00563	0.0099	0.00815	0.01677	0.00425	0.00428	4.61E-02	1.82E-04	1.35E-08	2.40E-04	1.76E-03	1.09E-03	6.94E-04	6.70E-04	4.94E-02
1540	495411.06	3858601.99	0.00955	0.00427	0.00559	0.00983	0.00811	0.01736	0.00423	0.00427	4.58E-02	1.82E-04	1.34E-08	2.38E-04	1.75E-03	1.12E-03	6.90E-04	6.69E-04	4.91E-02
1541	495461.06	3858601.99	0.0095	0.00425	0.00556	0.00976	0.00808	0.01804	0.00422	0.00425	4.56E-02	1.81E-04	1.33E-08	2.36E-04	1.74E-03	1.17E-03	6.89E-04	6.66E-04	4.89E-02
1542	495511.06	3858601.99	0.00942	0.00423	0.00551	0.00967	0.00802	0.01874	0.0042	0.00423	4.52E-02	1.80E-04	1.32E-08	2.34E-04	1.73E-03	1.21E-03	6.86E-04	6.63E-04	4.86E-02
1543	495561.06	3858601.99	0.00939	0.00422	0.00549	0.00962	0.008	0.01963	0.00419	0.00422	4.51E-02	1.80E-04	1.32E-08	2.33E-04	1.73E-03	1.27E-03	6.84E-04	6.61E-04	4.85E-02
1544	495611.06	3858601.99	0.00929	0.0042	0.00544	0.00952	0.00792	0.02055	0.00417	0.0042	4.46E-02	1.79E-04	1.30E-08	2.31E-04	1.71E-03	1.33E-03	6.81E-04	6.58E-04	4.81E-02
1545	495661.06	3858601.99	0.00925	0.00418	0.00541	0.00947	0.0079	0.02173	0.00415	0.00418	4.44E-02	1.78E-04	1.30E-08	2.29E-04	1.70E-03	1.41E-03	6.77E-04	6.55E-04	4.79E-02
1546	494311.06	3858651.99	0.01163	0.00492	0.00682	0.01205	0.0093	0.01351	0.00486	0.00492	5.58E-02	2.09E-04	1.64E-08	2.92E-04	2.01E-03	8.74E-04	7.93E-04	7.71E-04	5.92E-02
1547	494361.06	3858651.99	0.01203	0.00499	0.00689	0.01229	0.00962	0.01396	0.00494	0.00499	5.77E-02	2.12E-04	1.65E-08	2.98E-04	2.07E-03	9.03E-04	8.06E-04	7.82E-04	6.12E-02
1548	494411.06	3858651.99	0.0124	0.00508	0.00695	0.0126	0.01007	0.01451	0.00505	0.00508	5.95E-02	2.16E-04	1.67E-08	3.05E-04	2.17E-03	9.39E-04	8.24E-04	7.96E-04	6.32E-02
1549	494461.06	3858651.99	0.01234	0.00509	0.00704	0.01257	0.01014	0.01475	0.00505	0.00509	5.92E-02	2.17E-04	1.69E-08	3.05E-04	2.19E-03	9.54E-04	8.24E-04	7.97E-04	6.29E-02
1550	494511.06	3858651.99	0.01223	0.00506	0.00698	0.01245	0.01008	0.01489	0.00502	0.00506	5.87E-02	2.15E-04	1.67E-08	3.02E-04	2.17E-03	9.63E-04	8.19E-04	7.93E-04	6.24E-02
1551	494561.06	3858651.99	0.01214	0.00503	0.00692	0.01235	0.01004	0.01506	0.00499	0.00503	5.83E-02	2.14E-04	1.66E-08	2.99E-04	2.17E-03	9.74E-04	8.15E-04	7.88E-04	6.19E-02
1552	494611.06	3858651.99	0.01204	0.005	0.00686	0.01223	0.00998	0.01522	0.00496	0.005	5.78E-02	2.13E-04	1.65E-08	2.96E-04	2.15E-03	9.85E-04	8.10E-04	7.83E-04	6.15E-02
1553	494661.06	3858651.99	0.0119	0.00495	0.00679	0.01208	0.00988	0.01539	0.00492	0.00495	5.71E-02	2.11E-04	1.63E-08	2.93E-04	2.13E-03	9.96E-04	8.03E-04	7.75E-04	6.08E-02
1554	494711.06	3858651.99	0.01172	0.0049	0.0067	0.0119	0.00974	0.01552	0.00487	0.0049	5.62E-02	2.08E-04	1.61E-08	2.88E-04	2.10E-03	1.00E-03	7.95E-04	7.68E-04	5.99E-02
1555	494761.06	3858651.99	0.01158	0.00486	0.00662	0.01175	0.00963	0.01562	0.00482	0.00486	5.56E-02	2.07E-04	1.59E-08	2.85E-04	2.08E-03	1.01E-03	7.87E-04	7.61E-04	5.92E-02
1556	494811.06	3858651.99	0.01138	0.0048	0.00652	0.01155	0.00947	0.01563	0.00477	0.0048	5.46E-02	2.04E-04	1.56E-08	2.80E-04	2.04E-03	1.01E-03	7.79E-04	7.52E-04	5.82E-02
1557	494861.06	3858651.99	0.0112	0.00475	0.00644	0.01137	0.00932	0.01567	0.00471	0.00475	5.37E-02	2.02E-04	1.54E-08	2.75E-04	2.01E-03	1.01E-03	7.69E-04	7.44E-04	5.73E-02
1558	494911.06	3858651.99	0.011	0.00469	0.00632	0.01118	0.00916	0.01568	0.00466	0.00469	5.28E-02	2.00E-04	1.52E-08	2.71E-04	1.98E-03	1.01E-03	7.61E-04	7.35E-04	5.63E-02
1559	494961.06	3858651.99	0.01081	0.00464	0.00624	0.011	0.00902	0.01573	0.0046	0.00464	5.19E-02	1.97E-04	1.50E-08	2.66E-04	1.95E-03	1.02E-03	7.51E-04	7.27E-04	5.53E-02
1560	495011.06	3858651.99	0.01066	0.0046	0.00615	0.01085	0.00891	0.01585	0.00456	0.0046	5.12E-02	1.96E-04	1.47E-08	2.63E-04	1.92E-03	1.03E-03	7.44E-04	7.21E-04	5.46E-02
1561	495061.06	3858651.99	0.01049	0.00455	0.00606	0.01068	0.00878	0.01599	0.00452	0.00455	5.03E-02	1.94E-04	1.45E-08	2.59E-04	1.89E-03	1.03E-03	7.38E-04	7.13E-04	5.37E-02
1562	495111.06	3858651.99	0.0103	0.0045	0.00598	0.0105	0.00863	0.01612	0.00446	0.0045	4.94E-02	1.91E-04	1.43E-08	2.54E-04	1.86E-03	1.04E-03	7.28E-04	7.05E-04	5.28E-02
1563	495161.06	3858651.99	0.01017	0.00446	0.00591	0.01037	0.00854	0.01634	0.00443	0.00446	4.88E-02	1.90E-04	1.42E-08	2.51E-04	1.84E-03	1.06E-03	7.23E-04	6.99E-04	5.22E-02
1564	495211.06	3858651.99	0.01002	0.00442	0.00584	0.01023	0.00843	0.01658	0.00439	0.00442	4.81E-02	1.88E-04	1.40E-08	2.48E-04	1.82E-03	1.07E-03	7.17E-04	6.92E-04	5.14E-02
1565	495261.06	3858651.99	0.00996	0.0044	0.0058	0.01016	0.00839	0.01699	0.00437	0.0044	4.78E-02	1.87E-04	1.39E-08	2.46E-04	1.81E-03	1.10E-03	7.13E-04	6.89E-04	5.12E-02
1566	495311.06	3858651.99	0.00983	0.00438	0.00575	0.01007	0.00833	0.01747	0.00435	0.00438	4.72E-02	1.86E-04	1.38E-08	2.44E-04	1.80E-03	1.13E-03	7.10E-04	6.86E-04	5.06E-02
1567	495361.06	3858651.99	0.00977	0.00436	0.00571	0.00999	0.00829	0.01808	0.00433	0.00436	4.69E-02	1.86E-04	1.37E-08	2.42E-04	1.79E-03	1.17E-03	7.07E-04	6.83E-04	5.03E-02
1568	495411.06	3858651.99	0.00972	0.00435	0.00567	0.00993	0.00826	0.01877	0.00432	0.00435	4.66E-02	1.85E-04	1.36E-08	2.41E-04	1.78E-03	1.21E-03	7.05E-04	6.81E-04	5.01E-02
1569	495461.06	3858651.99	0.00968	0.00434	0.00565	0.00988	0.00824	0.01958	0.00431	0.00434	4.65E-02	1.85E-04	1.36E-08	2.39E-04	1.78E-03	1.27E-03	7.04E-04	6.80E-04	4.99E-02
1570	495511.06	3858651.99	0.00959	0.00431	0.00559	0.00978	0.00817	0.02039	0.00428	0.00431	4.60E-02	1.83E-04	1.34E-08	2.37E-04	1.76E-03	1.32E-03	6.99E-04	6.75E-04	4.95E-02
1571	495561.06	3858651.99	0.00951	0.00429	0.00555	0.0097	0.00798	0.02136	0.00426	0.00429	4.56E-02	1.83E-04	1.33E-08	2.35E-04	1.72E-03	1.38E-03	6.95E-04	6.72E-04	4.92E-02
1572	495611.06	3858651.99	0.00941	0.00426	0.00549	0.0096	0.0079	0.02245	0.00424	0.00426	4.52E-02	1.81E-04	1.32E-08	2.33E-04	1.70E-03	1.45E-03	6.92E-04	6.67E-04	4.88E-02
1573	495661.06	3858651.99	0.00936	0.00425	0.00546	0.00954	0.00787	0.02388	0.00422	0.00425	4.49E-02	1.81E-04	1.31E-08	2.31E-04	1.70E-03	1.55E-03	6.89E-04	6.66E-04	4.86E-02
1574	494311.06	3858701.99	0.01182	0.00504	0.00699	0.01215	0.00919	0.01408	0.00498	0.00504	5.67E-02	2.14E-04	1.68E-08	2.94E-04	1.98E-03	9.11E-04	8.13E-04	7.90E-04	6.01E-02
1575	494361.06	3858701.99	0.01234	0.00514	0.00704	0.01253	0.00967	0.01472	0.0051	0.00514	5.92E-02	2.19E-04	1.69E-08	3.04E-04	2.09E-03	9.52E-04	8.32E-04	8.05E-04	6.28E-02
1576	494411.06	3858701.99	0.01255	0.0052	0.0071	0.01274	0.01	0.01522	0.00517	0.0052	6.02E-02	2.21E-04	1.70E-08	3.09E-04	2.16E-03	9.85E-04	8.44E-04	8.15E-04	6.39E-02
1577	494461.06	3858701.99	0.01249	0.00518	0.00705	0.01267	0.01	0.01545	0.00515	0.00518	5.99E-02	2.20E-04	1.69E-08	3.07E-04	2.16E-03	1.00E-03	8.41E-04	8.11E-04	6.37E-02
1578	494511.06	3858701.99	0.01239	0.00518	0.00714	0.0126	0.01003	0.0157	0.00514	0.00518	5.95E-02	2.20E-04	1.71E-08	3.05E-04	2.16E-03	1.02E-03	8.39E-04	8.11E-04	6.32E-02
1579	494561.06	3858701.99	0.01229	0.00514	0.00707	0.01248	0.00998	0.01589	0.00511	0.00514	5.90E-02	2.19E-04	1.70E-08	3.02E-04	2.15E-03	1.03E-03	8.34E-04	8.05E-04	6.27E-02
1580	494611.06	3858701.99	0.01209	0.00508	0.00696	0.01227	0.00981	0.01599	0.00505	0.00508	5.80E-02	2.16E-04	1.67E-08	2.97E-04	2.12E-03	1.03E-03	8.24E-04	7.96E-04	6.17E-02
1581	494661.06	3858701.99	0.01203	0.00506	0.00691	0.0122	0.0098	0.0163	0.00503	0.00506	5.77E-02	2.15E-04	1.66E-08	2.96E-04	2.11E-03	1.05E-03	8.21E-04	7.93E-04	6.14E-02
1582	494711.06	3858701.99	0.01166	0.00494	0.00673	0.01181	0.00946	0.01623	0.00491	0.00494	5.60E-02	2.10E-04	1.61E-08	2.86E-04	2.04E-03	1.05E-03	8.01E-04	7.74E-04	5.96E-02
1583	494761.06	3858701.99	0.01168	0.00495	0.00672	0.01182	0.00953	0.01661	0.00492	0.00495	5.61E-02	2.11E-04	1.61E-08	2.86E-04	2.06E-03	1.07E-03	8.03E-04	7.75E-04	5.97E-02
1584	494811.06	3858701.99	0.01149	0.00489	0.00662	0.01162	0.00937	0.01664	0.00485	0.00489	5.51E-02	2.08E-04	1.59E-08	2.82E-04	2.02E-03	1.08E-03	7.92E-04	7.66E-04	5.88E-02
1585	494861.06	3858701.99	0.01132	0.00484	0.00654	0.01145	0.00925	0.01671	0.00481	0.00484	5.43E-02	2.06E-04	1.57E-08	2.77E-04	1.99E-03	1.08E-03	7.85E-04	7.58E-04	5.79E-02
1586	494911.06	3858701.99	0.01117	0.0048	0.00646	0.0113	0.00914	0.0168	0.00476	0.0048	5.36E-02	2.04E-04	1.55E-08	2.74E-04	1.97E-03	1.09E-03	7.77E-04	7.52E-04	5.72E-02
1587	494961.06	3858701.99	0.01091	0.00472	0.00634	0.01105	0.00893	0.01676	0.00469	0.00472	5.24E-02	2.01E-04	1.52E-08	2.68E-04	1.93E-03	1.08E-03	7.66E-04	7.39E-04	5.59E-02
1588	495011.06	3858701.99	0.01074	0.00467	0.00624	0.01088	0.0088	0.01689	0.00463	0.00467	5.15E-02	1.99E-04	1.50E-08	2.64E-04	1.90E-03	1.09E-03	7.56E-04	7.32E-04	5.50E-02
1589	495061.06	3858701.99	0.01064	0.00464	0.00618	0.01078	0.00874	0.01714	0.00461	0.00464	5.11E-02	1.97E-04	1.48E-08	2.61E-04	1.88E-03	1.11E-03	7.52E-04	7.27E-04	5.45E-02
1590	495111.06	3858701.99	0.01043	0.00458	0.00605	0.01059	0.00859	0.01729	0.00455	0.00458	5.01E-02	1.95E-04	1.45E-08	2.57E-04	1.85E-03	1.12E-03	7.43E-04	7.17E-04	5.35E-02
1591	495161.06	3858701.99	0.01032	0.00455	0.00599	0.01046	0.00851	0.01756	0.00451	0.00455	4.95E-02	1.94E-04	1.44E-08	2.53E-04	1.84E-03	1.14E-03	7.36E-04	7.13E-04	5.30E-02
1592	495211.06	3858701.99	0.01017	0.00451	0.00592	0.01032	0.0084	0.01786	0.00447	0.00451	4.88E-02	1.92E-04	1.42E-08	2.50E-04	1.81E-03	1.16E-03	7.30E-04	7.06E-04	5.22E-02

1593	495261.06	3858701.99	0.01011	0.00449	0.00588	0.01025	0.00837	0.01841	0.00446	0.00449	4.85E-02	1.91E-04	1.41E-08	2.48E-04	1.81E-03	1.19E-03	7.28E-04	7.03E-04	5.20E-02
1594	495311.06	3858701.99	0.01005	0.00447	0.00583	0.01018	0.00834	0.01905	0.00444	0.00447	4.82E-02	1.90E-04	1.40E-08	2.47E-04	1.80E-03	1.23E-03	7.25E-04	7.00E-04	5.17E-02
1595	495361.06	3858701.99	0.00997	0.00445	0.00579	0.01009	0.00829	0.01973	0.00442	0.00445	4.78E-02	1.89E-04	1.39E-08	2.44E-04	1.79E-03	1.28E-03	7.21E-04	6.97E-04	5.14E-02
1596	495411.06	3858701.99	0.00993	0.00444	0.00575	0.01004	0.00828	0.02055	0.00441	0.00444	4.77E-02	1.89E-04	1.38E-08	2.43E-04	1.79E-03	1.33E-03	7.20E-04	6.96E-04	5.12E-02
1597	495461.06	3858701.99	0.00987	0.00442	0.00571	0.00997	0.00824	0.02143	0.00439	0.00442	4.74E-02	1.88E-04	1.37E-08	2.42E-04	1.78E-03	1.39E-03	7.17E-04	6.92E-04	5.10E-02
1598	495511.06	3858701.99	0.00979	0.00439	0.00566	0.00988	0.00818	0.02242	0.00437	0.00439	4.70E-02	1.87E-04	1.36E-08	2.39E-04	1.76E-03	1.45E-03	7.13E-04	6.88E-04	5.06E-02
1599	495561.06	3858701.99	0.00969	0.00437	0.00561	0.00978	0.00812	0.02356	0.00434	0.00437	4.65E-02	1.86E-04	1.35E-08	2.37E-04	1.75E-03	1.52E-03	7.08E-04	6.85E-04	5.02E-02
1600	495611.06	3858701.99	0.0096	0.00434	0.00556	0.00969	0.00805	0.02493	0.00432	0.00434	4.61E-02	1.85E-04	1.33E-08	2.35E-04	1.74E-03	1.61E-03	7.05E-04	6.80E-04	4.99E-02
1601	495661.06	3858701.99	0.00953	0.00432	0.00551	0.00961	0.008	0.02667	0.0043	0.00432	4.57E-02	1.84E-04	1.32E-08	2.33E-04	1.73E-03	1.73E-03	7.02E-04	6.77E-04	4.96E-02
1602	494311.06	3858751.99	0.01207	0.00515	0.00714	0.01227	0.00909	0.01474	0.0051	0.00515	5.79E-02	2.19E-04	1.71E-08	2.97E-04	1.96E-03	9.54E-04	8.32E-04	8.07E-04	6.14E-02
1603	494361.06	3858751.99	0.01259	0.00529	0.00721	0.01276	0.00969	0.01555	0.00525	0.00529	6.04E-02	2.25E-04	1.73E-08	3.09E-04	2.09E-03	1.01E-03	8.57E-04	8.29E-04	6.41E-02
1604	494411.06	3858751.99	0.01271	0.00534	0.00726	0.01291	0.00995	0.01607	0.0053	0.00534	6.10E-02	2.27E-04	1.74E-08	3.13E-04	2.15E-03	1.04E-03	8.65E-04	8.37E-04	6.47E-02
1605	494461.06	3858751.99	0.01264	0.00531	0.00721	0.01284	0.00995	0.01637	0.00528	0.00531	6.07E-02	2.26E-04	1.73E-08	3.11E-04	2.15E-03	1.06E-03	8.62E-04	8.32E-04	6.44E-02
1606	494511.06	3858751.99	0.01256	0.00532	0.00732	0.0128	0.01001	0.01671	0.00528	0.00532	6.03E-02	2.26E-04	1.76E-08	3.10E-04	2.16E-03	1.08E-03	8.62E-04	8.33E-04	6.41E-02
1607	494561.06	3858751.99	0.01244	0.00525	0.0072	0.01261	0.00991	0.01691	0.00522	0.00525	5.97E-02	2.23E-04	1.73E-08	3.06E-04	2.14E-03	1.09E-03	8.52E-04	8.22E-04	6.35E-02
1608	494611.06	3858751.99	0.01227	0.0052	0.00711	0.01242	0.00978	0.01708	0.00517	0.0052	5.89E-02	2.21E-04	1.71E-08	3.01E-04	2.11E-03	1.11E-03	8.44E-04	8.15E-04	6.26E-02
1609	494661.06	3858751.99	0.01216	0.00515	0.00699	0.01229	0.00968	0.01738	0.00512	0.00515	5.84E-02	2.19E-04	1.68E-08	2.98E-04	2.09E-03	1.12E-03	8.36E-04	8.07E-04	6.21E-02
1610	494711.06	3858751.99	0.01194	0.00508	0.00689	0.01204	0.00949	0.01758	0.00505	0.00508	5.73E-02	2.16E-04	1.65E-08	2.92E-04	2.05E-03	1.14E-03	8.24E-04	7.96E-04	6.10E-02
1611	494761.06	3858751.99	0.01181	0.00506	0.00684	0.01194	0.00946	0.01792	0.00502	0.00506	5.67E-02	2.15E-04	1.64E-08	2.89E-04	2.04E-03	1.16E-03	8.19E-04	7.93E-04	6.04E-02
1612	494811.06	3858751.99	0.01161	0.00499	0.00673	0.01172	0.0093	0.01795	0.00496	0.00499	5.57E-02	2.12E-04	1.61E-08	2.84E-04	2.01E-03	1.16E-03	8.10E-04	7.82E-04	5.94E-02
1613	494861.06	3858751.99	0.01143	0.00493	0.00663	0.01153	0.00915	0.01801	0.0049	0.00493	5.49E-02	2.10E-04	1.59E-08	2.79E-04	1.97E-03	1.17E-03	8.00E-04	7.72E-04	5.85E-02
1614	494911.06	3858751.99	0.01122	0.00487	0.00652	0.01132	0.00899	0.01804	0.00483	0.00487	5.38E-02	2.07E-04	1.56E-08	2.74E-04	1.94E-03	1.17E-03	7.88E-04	7.63E-04	5.75E-02
1615	494961.06	3858751.99	0.01106	0.00482	0.00643	0.01116	0.00888	0.01817	0.00479	0.00482	5.31E-02	2.05E-04	1.54E-08	2.70E-04	1.92E-03	1.18E-03	7.82E-04	7.55E-04	5.67E-02
1616	495011.06	3858751.99	0.01094	0.00478	0.00636	0.01103	0.00881	0.01843	0.00475	0.00478	5.25E-02	2.03E-04	1.53E-08	2.67E-04	1.90E-03	1.19E-03	7.75E-04	7.49E-04	5.61E-02
1617	495061.06	3858751.99	0.01078	0.00473	0.00628	0.01087	0.00869	0.01864	0.0047	0.00473	5.17E-02	2.01E-04	1.51E-08	2.63E-04	1.87E-03	1.21E-03	7.67E-04	7.41E-04	5.53E-02
1618	495111.06	3858751.99	0.01059	0.00468	0.00617	0.01069	0.00855	0.01883	0.00465	0.00468	5.08E-02	1.99E-04	1.48E-08	2.59E-04	1.84E-03	1.22E-03	7.59E-04	7.33E-04	5.44E-02
1619	495161.06	3858751.99	0.01047	0.00464	0.0061	0.01057	0.00847	0.01917	0.00461	0.00464	5.02E-02	1.97E-04	1.46E-08	2.56E-04	1.83E-03	1.24E-03	7.52E-04	7.27E-04	5.38E-02
1620	495211.06	3858751.99	0.01032	0.0046	0.00601	0.01042	0.00837	0.0196	0.00457	0.0046	4.95E-02	1.96E-04	1.44E-08	2.52E-04	1.81E-03	1.27E-03	7.46E-04	7.21E-04	5.31E-02
1621	495261.06	3858751.99	0.01025	0.00458	0.00597	0.01034	0.00834	0.02028	0.00455	0.00458	4.92E-02	1.95E-04	1.43E-08	2.51E-04	1.80E-03	1.31E-03	7.43E-04	7.17E-04	5.28E-02
1622	495311.06	3858751.99	0.01019	0.00456	0.00592	0.01027	0.00832	0.02103	0.00453	0.00456	4.89E-02	1.94E-04	1.42E-08	2.49E-04	1.79E-03	1.36E-03	7.39E-04	7.14E-04	5.25E-02
1623	495361.06	3858751.99	0.01012	0.00454	0.00587	0.01019	0.00828	0.02182	0.00451	0.00454	4.86E-02	1.93E-04	1.41E-08	2.47E-04	1.79E-03	1.41E-03	7.36E-04	7.11E-04	5.22E-02
1624	495411.06	3858751.99	0.01008	0.00453	0.00584	0.01015	0.00827	0.0228	0.0045	0.00453	4.84E-02	1.93E-04	1.40E-08	2.46E-04	1.78E-03	1.48E-03	7.35E-04	7.10E-04	5.21E-02
1625	495461.06	3858751.99	0.01002	0.00451	0.0058	0.01007	0.00824	0.02387	0.00448	0.00451	4.81E-02	1.92E-04	1.39E-08	2.44E-04	1.78E-03	1.54E-03	7.31E-04	7.06E-04	5.19E-02
1626	495511.06	3858751.99	0.00993	0.00448	0.00572	0.00998	0.00818	0.02507	0.00446	0.00448	4.77E-02	1.91E-04	1.37E-08	2.42E-04	1.76E-03	1.62E-03	7.28E-04	7.02E-04	5.15E-02
1627	495561.06	3858751.99	0.00984	0.00445	0.00566	0.00989	0.00812	0.02647	0.00443	0.00445	4.72E-02	1.89E-04	1.36E-08	2.40E-04	1.75E-03	1.71E-03	7.23E-04	6.97E-04	5.11E-02
1628	495611.06	3858751.99	0.00974	0.00442	0.00561	0.00979	0.00806	0.02817	0.0044	0.00442	4.67E-02	1.88E-04	1.35E-08	2.37E-04	1.74E-03	1.82E-03	7.18E-04	6.92E-04	5.08E-02
1629	495661.06	3858751.99	0.00966	0.0044	0.00556	0.0097	0.00801	0.03035	0.00438	0.0044	4.64E-02	1.87E-04	1.33E-08	2.35E-04	1.73E-03	1.96E-03	7.15E-04	6.89E-04	5.05E-02
1630	494311.06	3858801.99	0.01239	0.00531	0.0073	0.01254	0.00911	0.01561	0.00526	0.00531	5.95E-02	2.26E-04	1.75E-08	3.04E-04	1.96E-03	1.01E-03	8.59E-04	8.32E-04	6.30E-02
1631	494361.06	3858801.99	0.01277	0.00544	0.00739	0.01295	0.00967	0.01646	0.0054	0.00544	6.13E-02	2.31E-04	1.77E-08	3.14E-04	2.09E-03	1.07E-03	8.81E-04	8.52E-04	6.50E-02
1632	494411.06	3858801.99	0.01279	0.00545	0.00739	0.013	0.00981	0.01693	0.00541	0.00545	6.14E-02	2.32E-04	1.77E-08	3.15E-04	2.12E-03	1.10E-03	8.83E-04	8.54E-04	6.52E-02
1633	494461.06	3858801.99	0.01275	0.00545	0.00737	0.01299	0.00989	0.01736	0.00541	0.00545	6.12E-02	2.32E-04	1.77E-08	3.15E-04	2.13E-03	1.12E-03	8.83E-04	8.54E-04	6.50E-02
1634	494511.06	3858801.99	0.01268	0.00545	0.00747	0.01297	0.00996	0.01782	0.00542	0.00545	6.09E-02	2.32E-04	1.79E-08	3.14E-04	2.15E-03	1.15E-03	8.85E-04	8.54E-04	6.47E-02
1635	494561.06	3858801.99	0.01258	0.00542	0.00741	0.01286	0.00992	0.0182	0.00538	0.00542	6.04E-02	2.31E-04	1.78E-08	3.12E-04	2.14E-03	1.18E-03	8.78E-04	8.49E-04	6.43E-02
1636	494611.06	3858801.99	0.01246	0.00537	0.00732	0.01271	0.00985	0.01858	0.00534	0.00537	5.98E-02	2.28E-04	1.76E-08	3.08E-04	2.12E-03	1.20E-03	8.72E-04	8.41E-04	6.37E-02
1637	494661.06	3858801.99	0.01229	0.00531	0.00721	0.01251	0.00971	0.01893	0.00527	0.00531	5.90E-02	2.26E-04	1.73E-08	3.03E-04	2.09E-03	1.22E-03	8.60E-04	8.32E-04	6.29E-02
1638	494711.06	3858801.99	0.01211	0.00524	0.00708	0.01228	0.00955	0.01927	0.00521	0.00524	5.81E-02	2.23E-04	1.70E-08	2.98E-04	2.06E-03	1.25E-03	8.50E-04	8.21E-04	6.20E-02
1639	494761.06	3858801.99	0.0119	0.00516	0.00695	0.01203	0.00936	0.01952	0.00513	0.00516	5.71E-02	2.20E-04	1.67E-08	2.91E-04	2.02E-03	1.26E-03	8.37E-04	8.08E-04	6.09E-02
1640	494811.06	3858801.99	0.01168	0.00508	0.00681	0.01178	0.00917	0.01958	0.00505	0.00508	5.61E-02	2.16E-04	1.63E-08	2.85E-04	1.98E-03	1.27E-03	8.24E-04	7.96E-04	5.98E-02
1641	494861.06	3858801.99	0.01154	0.00503	0.00672	0.01163	0.00907	0.01976	0.005	0.00503	5.54E-02	2.14E-04	1.61E-08	2.82E-04	1.96E-03	1.28E-03	8.16E-04	7.88E-04	5.91E-02
1642	494911.06	3858801.99	0.01135	0.00497	0.00661	0.01142	0.00892	0.01983	0.00494	0.00497	5.45E-02	2.11E-04	1.59E-08	2.77E-04	1.92E-03	1.28E-03	8.06E-04	7.79E-04	5.82E-02
1643	494961.06	3858801.99	0.0112	0.00492	0.00652	0.01126	0.00881	0.02004	0.00489	0.00492	5.37E-02	2.09E-04	1.56E-08	2.73E-04	1.90E-03	1.30E-03	7.98E-04	7.71E-04	5.75E-02
1644	495011.06	3858801.99	0.01103	0.00487	0.00642	0.01109	0.0087	0.0203	0.00484	0.00487	5.29E-02	2.07E-04	1.54E-08	2.69E-04	1.88E-03	1.31E-03	7.90E-04	7.63E-04	5.66E-02
1645	495061.06	3858801.99	0.01091	0.00483	0.00635	0.01097	0.00863	0.02067	0.0048	0.00483	5.24E-02	2.06E-04	1.52E-08	2.66E-04	1.86E-03	1.34E-03	7.83E-04	7.57E-04	5.61E-02
1646	495111.06	3858801.99	0.01071	0.00477	0.00625	0.01077	0.00848	0.02087	0.00474	0.00477	5.14E-02	2.03E-04	1.50E-08	2.61E-04	1.83E-03	1.35E-03	7.74E-04	7.47E-04	5.51E-02
1647	495161.06	3858801.99	0.01056	0.00472	0.00616	0.01062	0.00838	0.0213	0.00469	0.00472	5.07E-02	2.01E-04	1.48E-08	2.57E-04	1.81E-03	1.38E-03	7.66E-04	7.39E-04	5.43E-02
1648	495211.06	3858801.99	0.01045	0.00469	0.0061	0.01051	0.00832	0.022	0.00466	0.00469	5.01E-02	2.00E-04	1.46E-08	2.55E-04	1.79E-03	1.42E-03	7.61E-04	7.35E-04	5.38E-02
1649	495261.06	3858801.99	0.01039	0.00467	0.00605	0.01044	0.0083	0.02281	0.00464	0.00467	4.99E-02	1.99E-04	1.45E-08	2.53E-04	1.79E-03	1.48E-03	7.57E-04	7.32E-04	5.36E-02

1650	495311.06	3858801.99	0.01033	0.00465	0.006	0.01037	0.00829	0.02371	0.00462	0.00465	4.96E-02	1.98E-04	1.44E-08	2.51E-04	1.79E-03	1.53E-03	7.54E-04	7.28E-04	5.34E-02
1651	495361.06	3858801.99	0.01026	0.00463	0.00595	0.01029	0.00825	0.02467	0.0046	0.00463	4.92E-02	1.97E-04	1.43E-08	2.49E-04	1.78E-03	1.60E-03	7.51E-04	7.25E-04	5.31E-02
1652	495411.06	3858801.99	0.01024	0.00462	0.00592	0.01026	0.00827	0.02592	0.0046	0.00462	4.91E-02	1.97E-04	1.42E-08	2.49E-04	1.78E-03	1.68E-03	7.51E-04	7.24E-04	5.31E-02
1653	495461.06	3858801.99	0.01016	0.0046	0.00587	0.01018	0.00823	0.02719	0.00457	0.0046	4.88E-02	1.96E-04	1.41E-08	2.47E-04	1.78E-03	1.76E-03	7.46E-04	7.21E-04	5.28E-02
1654	495511.06	3858801.99	0.01006	0.00457	0.00581	0.01008	0.00818	0.02861	0.00455	0.00457	4.83E-02	1.94E-04	1.39E-08	2.44E-04	1.76E-03	1.85E-03	7.43E-04	7.16E-04	5.24E-02
1655	495561.06	3858801.99	0.00998	0.00455	0.00575	0.01	0.00813	0.03037	0.00452	0.00455	4.79E-02	1.94E-04	1.38E-08	2.42E-04	1.75E-03	1.97E-03	7.38E-04	7.13E-04	5.21E-02
1656	495611.06	3858801.99	0.00987	0.00451	0.00569	0.00988	0.00805	0.03248	0.00449	0.00451	4.74E-02	1.92E-04	1.36E-08	2.39E-04	1.74E-03	2.10E-03	7.33E-04	7.06E-04	5.17E-02
1657	495661.06	3858801.99	0.0098	0.00449	0.00565	0.00981	0.00802	0.03538	0.00447	0.00449	4.70E-02	1.91E-04	1.36E-08	2.38E-04	1.73E-03	2.29E-03	7.30E-04	7.03E-04	5.15E-02
1658	494311.06	3858851.99	0.01291	0.00557	0.00757	0.01309	0.0095	0.01692	0.00553	0.00557	6.20E-02	2.37E-04	1.82E-08	3.17E-04	2.05E-03	1.09E-03	9.03E-04	8.73E-04	6.57E-02
1659	494361.06	3858851.99	0.01303	0.00564	0.00764	0.01332	0.00984	0.01761	0.0056	0.00564	6.25E-02	2.40E-04	1.83E-08	3.23E-04	2.12E-03	1.14E-03	9.14E-04	8.84E-04	6.64E-02
1660	494411.06	3858851.99	0.01293	0.00561	0.00757	0.01323	0.00982	0.01803	0.00557	0.00561	6.20E-02	2.39E-04	1.82E-08	3.21E-04	2.12E-03	1.17E-03	9.09E-04	8.79E-04	6.59E-02
1661	494461.06	3858851.99	0.01286	0.00559	0.00753	0.01318	0.00986	0.01853	0.00555	0.00559	6.17E-02	2.38E-04	1.81E-08	3.19E-04	2.13E-03	1.20E-03	9.06E-04	8.76E-04	6.56E-02
1662	494511.06	3858851.99	0.01276	0.00559	0.00761	0.01312	0.00988	0.01908	0.00555	0.00559	6.12E-02	2.38E-04	1.83E-08	3.18E-04	2.13E-03	1.23E-03	9.06E-04	8.76E-04	6.52E-02
1663	494561.06	3858851.99	0.01265	0.00555	0.00753	0.013	0.00984	0.0196	0.00551	0.00555	6.07E-02	2.36E-04	1.81E-08	3.15E-04	2.12E-03	1.27E-03	8.99E-04	8.69E-04	6.47E-02
1664	494611.06	3858851.99	0.01252	0.00549	0.00742	0.01282	0.00974	0.02011	0.00546	0.00549	6.01E-02	2.34E-04	1.78E-08	3.11E-04	2.10E-03	1.30E-03	8.91E-04	8.60E-04	6.41E-02
1665	494661.06	3858851.99	0.01237	0.00543	0.00731	0.01262	0.00961	0.02064	0.00539	0.00543	5.94E-02	2.31E-04	1.75E-08	3.06E-04	2.07E-03	1.34E-03	8.80E-04	8.51E-04	6.33E-02
1666	494711.06	3858851.99	0.01217	0.00534	0.00716	0.01236	0.00942	0.02115	0.00531	0.00534	5.84E-02	2.27E-04	1.72E-08	2.99E-04	2.03E-03	1.37E-03	8.67E-04	8.37E-04	6.24E-02
1667	494761.06	3858851.99	0.01197	0.00526	0.00702	0.01211	0.00923	0.02163	0.00523	0.00526	5.74E-02	2.24E-04	1.68E-08	2.93E-04	1.99E-03	1.40E-03	8.54E-04	8.24E-04	6.14E-02
1668	494811.06	3858851.99	0.01179	0.0052	0.00691	0.0119	0.00909	0.02188	0.00517	0.0052	5.66E-02	2.21E-04	1.66E-08	2.88E-04	1.96E-03	1.42E-03	8.44E-04	8.15E-04	6.05E-02
1669	494861.06	3858851.99	0.01166	0.00515	0.00681	0.01174	0.009	0.02216	0.00512	0.00515	5.60E-02	2.19E-04	1.63E-08	2.84E-04	1.94E-03	1.43E-03	8.36E-04	8.07E-04	5.99E-02
1670	494911.06	3858851.99	0.01149	0.00508	0.0067	0.01155	0.00887	0.02235	0.00505	0.00508	5.51E-02	2.16E-04	1.61E-08	2.80E-04	1.91E-03	1.45E-03	8.24E-04	7.96E-04	5.90E-02
1671	494961.06	3858851.99	0.01133	0.00503	0.0066	0.01138	0.00875	0.02269	0.005	0.00503	5.44E-02	2.14E-04	1.58E-08	2.76E-04	1.89E-03	1.47E-03	8.16E-04	7.88E-04	5.82E-02
1672	495011.06	3858851.99	0.01119	0.00498	0.00651	0.01123	0.00867	0.02314	0.00495	0.00498	5.37E-02	2.12E-04	1.56E-08	2.72E-04	1.87E-03	1.50E-03	8.08E-04	7.80E-04	5.76E-02
1673	495061.06	3858851.99	0.01103	0.00493	0.00641	0.01107	0.00856	0.02353	0.0049	0.00493	5.29E-02	2.10E-04	1.54E-08	2.68E-04	1.85E-03	1.52E-03	8.00E-04	7.72E-04	5.68E-02
1674	495111.06	3858851.99	0.01078	0.00485	0.00628	0.01082	0.00836	0.02376	0.00482	0.00485	5.17E-02	2.06E-04	1.51E-08	2.62E-04	1.80E-03	1.54E-03	7.87E-04	7.60E-04	5.56E-02
1675	495161.06	3858851.99	0.01063	0.0048	0.00619	0.01067	0.00826	0.02444	0.00477	0.0048	5.10E-02	2.04E-04	1.48E-08	2.59E-04	1.78E-03	1.58E-03	7.79E-04	7.52E-04	5.49E-02
1676	495211.06	3858851.99	0.01059	0.00479	0.00615	0.01062	0.00828	0.02549	0.00476	0.00479	5.08E-02	2.04E-04	1.47E-08	2.57E-04	1.79E-03	1.65E-03	7.77E-04	7.50E-04	5.47E-02
1677	495261.06	3858851.99	0.01052	0.00477	0.0061	0.01054	0.00826	0.02648	0.00474	0.00477	5.05E-02	2.03E-04	1.46E-08	2.55E-04	1.78E-03	1.71E-03	7.74E-04	7.47E-04	5.45E-02
1678	495311.06	3858851.99	0.01047	0.00475	0.00606	0.01049	0.00826	0.02765	0.00472	0.00475	5.02E-02	2.02E-04	1.45E-08	2.54E-04	1.78E-03	1.79E-03	7.70E-04	7.44E-04	5.43E-02
1679	495361.06	3858851.99	0.01041	0.00473	0.00601	0.01042	0.00824	0.0289	0.0047	0.00473	5.00E-02	2.01E-04	1.44E-08	2.52E-04	1.78E-03	1.87E-03	7.67E-04	7.41E-04	5.41E-02
1680	495411.06	3858851.99	0.01034	0.00471	0.00596	0.01035	0.00822	0.0303	0.00468	0.00471	4.96E-02	2.00E-04	1.43E-08	2.51E-04	1.77E-03	1.96E-03	7.64E-04	7.38E-04	5.38E-02
1681	495461.06	3858851.99	0.01028	0.00469	0.00592	0.01028	0.00821	0.03193	0.00467	0.00469	4.93E-02	2.00E-04	1.42E-08	2.49E-04	1.77E-03	2.07E-03	7.62E-04	7.35E-04	5.36E-02
1682	495511.06	3858851.99	0.01023	0.00466	0.00585	0.01019	0.00817	0.03383	0.00464	0.00466	4.91E-02	1.98E-04	1.40E-08	2.47E-04	1.76E-03	2.19E-03	7.57E-04	7.30E-04	5.35E-02
1683	495561.06	3858851.99	0.01007	0.00463	0.00579	0.01007	0.00808	0.03573	0.0046	0.00463	4.83E-02	1.97E-04	1.39E-08	2.44E-04	1.74E-03	2.31E-03	7.51E-04	7.25E-04	5.28E-02
1684	495611.06	3858851.99	0.00996	0.00459	0.00572	0.00995	0.00801	0.0384	0.00457	0.00459	4.78E-02	1.95E-04	1.37E-08	2.41E-04	1.73E-03	2.48E-03	7.46E-04	7.19E-04	5.25E-02
1685	495661.06	3858851.99	0.0099	0.00457	0.00568	0.00989	0.00799	0.04233	0.00455	0.00457	4.75E-02	1.94E-04	1.36E-08	2.40E-04	1.72E-03	2.74E-03	7.43E-04	7.16E-04	5.24E-02
1686	494311.06	3858901.99	0.01308	0.00575	0.00775	0.01334	0.00955	0.01792	0.0057	0.00575	6.28E-02	2.45E-04	1.86E-08	3.23E-04	2.06E-03	1.16E-03	9.30E-04	9.01E-04	6.66E-02
1687	494361.06	3858901.99	0.01312	0.00579	0.0078	0.0135	0.0098	0.01863	0.00575	0.00579	6.30E-02	2.46E-04	1.87E-08	3.27E-04	2.11E-03	1.21E-03	9.39E-04	9.07E-04	6.69E-02
1688	494411.06	3858901.99	0.01304	0.00577	0.00774	0.01345	0.00984	0.01922	0.00573	0.00577	6.26E-02	2.46E-04	1.86E-08	3.26E-04	2.12E-03	1.24E-03	9.35E-04	9.04E-04	6.65E-02
1689	494461.06	3858901.99	0.01295	0.00578	0.00784	0.01343	0.00989	0.01992	0.00573	0.00578	6.21E-02	2.46E-04	1.88E-08	3.25E-04	2.13E-03	1.29E-03	9.35E-04	9.05E-04	6.62E-02
1690	494511.06	3858901.99	0.01286	0.00575	0.00777	0.01335	0.00989	0.02062	0.00571	0.00575	6.17E-02	2.45E-04	1.86E-08	3.23E-04	2.13E-03	1.33E-03	9.32E-04	9.01E-04	6.58E-02
1691	494561.06	3858901.99	0.01273	0.00569	0.00766	0.01317	0.00979	0.02131	0.00565	0.00569	6.11E-02	2.42E-04	1.84E-08	3.19E-04	2.11E-03	1.38E-03	9.22E-04	8.91E-04	6.52E-02
1692	494611.06	3858901.99	0.01255	0.0056	0.0075	0.0129	0.0096	0.02196	0.00557	0.0056	6.02E-02	2.38E-04	1.80E-08	3.13E-04	2.07E-03	1.42E-03	9.09E-04	8.77E-04	6.43E-02
1693	494661.06	3858901.99	0.01242	0.00555	0.00739	0.01273	0.00951	0.02283	0.00551	0.00555	5.96E-02	2.36E-04	1.77E-08	3.08E-04	2.05E-03	1.48E-03	8.99E-04	8.69E-04	6.37E-02
1694	494711.06	3858901.99	0.01224	0.00547	0.00725	0.01248	0.00933	0.02369	0.00543	0.00547	5.87E-02	2.33E-04	1.74E-08	3.02E-04	2.01E-03	1.53E-03	8.86E-04	8.57E-04	6.28E-02
1695	494761.06	3858901.99	0.01204	0.00538	0.00709	0.01221	0.00913	0.02451	0.00534	0.00538	5.78E-02	2.29E-04	1.70E-08	2.96E-04	1.97E-03	1.59E-03	8.72E-04	8.43E-04	6.19E-02
1696	494811.06	3858901.99	0.01189	0.00532	0.00698	0.01203	0.00902	0.02525	0.00528	0.00532	5.71E-02	2.26E-04	1.67E-08	2.91E-04	1.95E-03	1.63E-03	8.62E-04	8.33E-04	6.12E-02
1697	494861.06	3858901.99	0.01176	0.00527	0.00689	0.01188	0.00894	0.02572	0.00524	0.00527	5.64E-02	2.24E-04	1.65E-08	2.88E-04	1.93E-03	1.66E-03	8.55E-04	8.26E-04	6.06E-02
1698	494911.06	3858901.99	0.01155	0.00518	0.00675	0.01162	0.00874	0.02583	0.00515	0.00518	5.54E-02	2.20E-04	1.62E-08	2.82E-04	1.88E-03	1.67E-03	8.41E-04	8.11E-04	5.95E-02
1699	494961.06	3858901.99	0.01141	0.00513	0.00665	0.01146	0.00865	0.02647	0.0051	0.00513	5.48E-02	2.18E-04	1.59E-08	2.78E-04	1.87E-03	1.71E-03	8.32E-04	8.04E-04	5.89E-02
1700	495011.06	3858901.99	0.01126	0.00508	0.00655	0.0113	0.00856	0.02717	0.00505	0.00508	5.40E-02	2.16E-04	1.57E-08	2.74E-04	1.85E-03	1.76E-03	8.24E-04	7.96E-04	5.82E-02
1701	495061.06	3858901.99	0.01108	0.00501	0.00644	0.0111	0.00842	0.02772	0.00498	0.00501	5.32E-02	2.13E-04	1.54E-08	2.69E-04	1.82E-03	1.79E-03	8.13E-04	7.85E-04	5.73E-02
1702	495111.06	3858901.99	0.01083	0.00493	0.0063	0.01085	0.00822	0.02824	0.0049	0.00493	5.20E-02	2.10E-04	1.51E-08	2.63E-04	1.77E-03	1.83E-03	8.00E-04	7.72E-04	5.61E-02
1703	495161.06	3858901.99	0.01072	0.00489	0.00623	0.01074	0.00817	0.02935	0.00486	0.00489	5.14E-02	2.08E-04	1.49E-08	2.60E-04	1.76E-03	1.90E-03	7.93E-04	7.66E-04	5.56E-02
1704	495211.06	3858901.99	0.01071	0.00489	0.0062	0.01073	0.00822	0.03092	0.00486	0.00489	5.14E-02	2.08E-04	1.49E-08	2.60E-04	1.77E-03	2.00E-03	7.93E-04	7.66E-04	5.57E-02
1705	495261.06	3858901.99	0.01065	0.00487	0.00615	0.01066	0.00822	0.03235	0.00484	0.00487	5.11E-02	2.07E-04	1.47E-08	2.58E-04	1.77E-03	2.09E-03	7.90E-04	7.63E-04	5.55E-02
1706	495311.06	3858901.99	0.01058	0.00484	0.00609	0.01058	0.0082	0.03379	0.00482	0.00484	5.08E-02	2.06E-04	1.46E-08	2.56E-04	1.77E-03	2.19E-03	7.87E-04	7.58E-04	5.52E-02

1707	495361.06	3858901.99	0.01051	0.00482	0.00604	0.01051	0.00818	0.03536	0.00479	0.00482	5.04E-02	2.05E-04	1.45E-08	2.55E-04	1.76E-03	2.29E-03	7.82E-04	7.55E-04	5.50E-02
1708	495411.06	3858901.99	0.01046	0.00481	0.006	0.01047	0.00819	0.03724	0.00478	0.00481	5.02E-02	2.05E-04	1.44E-08	2.54E-04	1.77E-03	2.41E-03	7.80E-04	7.53E-04	5.49E-02
1709	495461.06	3858901.99	0.01038	0.00478	0.00595	0.01038	0.00816	0.0391	0.00476	0.00478	4.98E-02	2.03E-04	1.43E-08	2.51E-04	1.76E-03	2.53E-03	7.77E-04	7.49E-04	5.46E-02
1710	495511.06	3858901.99	0.01027	0.00475	0.00588	0.01026	0.0081	0.04115	0.00472	0.00475	4.93E-02	2.02E-04	1.41E-08	2.49E-04	1.75E-03	2.66E-03	7.70E-04	7.44E-04	5.42E-02
1711	495561.06	3858901.99	0.01018	0.00472	0.00582	0.01016	0.00805	0.04385	0.00469	0.00472	4.89E-02	2.01E-04	1.40E-08	2.46E-04	1.74E-03	2.84E-03	7.66E-04	7.39E-04	5.39E-02
1712	495611.06	3858901.99	0.01006	0.00468	0.00575	0.01005	0.00798	0.04726	0.00466	0.00468	4.83E-02	1.99E-04	1.38E-08	2.43E-04	1.72E-03	3.06E-03	7.61E-04	7.33E-04	5.35E-02
1713	495661.06	3858901.99	0.01001	0.00467	0.00571	0.00999	0.00797	0.05271	0.00464	0.00467	4.80E-02	1.99E-04	1.37E-08	2.42E-04	1.72E-03	3.41E-03	7.57E-04	7.32E-04	5.36E-02
1714	494311.06	3858951.99	0.01327	0.00597	0.00799	0.01374	0.00973	0.01907	0.00592	0.00597	6.37E-02	2.54E-04	1.92E-08	3.33E-04	2.10E-03	1.23E-03	9.66E-04	9.35E-04	6.76E-02
1715	494361.06	3858951.99	0.01321	0.00597	0.00797	0.01376	0.00984	0.01977	0.00592	0.00597	6.34E-02	2.54E-04	1.91E-08	3.33E-04	2.12E-03	1.28E-03	9.66E-04	9.35E-04	6.74E-02
1716	494411.06	3858951.99	0.01309	0.00592	0.00787	0.01362	0.00978	0.02042	0.00587	0.00592	6.28E-02	2.52E-04	1.89E-08	3.30E-04	2.11E-03	1.32E-03	9.58E-04	9.27E-04	6.69E-02
1717	494461.06	3858951.99	0.013	0.00593	0.00796	0.01361	0.00984	0.02133	0.00588	0.00593	6.24E-02	2.52E-04	1.91E-08	3.30E-04	2.12E-03	1.38E-03	9.60E-04	9.29E-04	6.65E-02
1718	494511.06	3858951.99	0.0129	0.00589	0.00787	0.01349	0.0098	0.02224	0.00584	0.00589	6.19E-02	2.51E-04	1.89E-08	3.27E-04	2.11E-03	1.44E-03	9.53E-04	9.23E-04	6.61E-02
1719	494561.06	3858951.99	0.01277	0.00583	0.00775	0.01331	0.0097	0.02326	0.00578	0.00583	6.13E-02	2.48E-04	1.86E-08	3.22E-04	2.09E-03	1.50E-03	9.43E-04	9.13E-04	6.55E-02
1720	494611.06	3858951.99	0.01261	0.00575	0.0076	0.01307	0.00955	0.02437	0.00571	0.00575	6.05E-02	2.45E-04	1.82E-08	3.17E-04	2.06E-03	1.58E-03	9.32E-04	9.01E-04	6.47E-02
1721	494661.06	3858951.99	0.01246	0.00567	0.00747	0.01285	0.00941	0.02568	0.00563	0.00567	5.98E-02	2.41E-04	1.79E-08	3.11E-04	2.03E-03	1.66E-03	9.19E-04	8.88E-04	6.41E-02
1722	494711.06	3858951.99	0.01227	0.00558	0.00729	0.01256	0.00921	0.02704	0.00554	0.00558	5.89E-02	2.37E-04	1.75E-08	3.04E-04	1.99E-03	1.75E-03	9.04E-04	8.74E-04	6.32E-02
1723	494761.06	3858951.99	0.01211	0.0055	0.00716	0.01234	0.00906	0.02864	0.00547	0.0055	5.81E-02	2.34E-04	1.72E-08	2.99E-04	1.95E-03	1.85E-03	8.93E-04	8.62E-04	6.25E-02
1724	494811.06	3858951.99	0.01198	0.00545	0.00706	0.01217	0.00897	0.03018	0.00541	0.00545	5.75E-02	2.32E-04	1.69E-08	2.95E-04	1.93E-03	1.95E-03	8.83E-04	8.54E-04	6.19E-02
1725	494861.06	3858951.99	0.01184	0.00539	0.00695	0.012	0.00887	0.03109	0.00536	0.00539	5.68E-02	2.29E-04	1.67E-08	2.91E-04	1.91E-03	2.01E-03	8.75E-04	8.44E-04	6.13E-02
1726	494911.06	3858951.99	0.01167	0.00532	0.00683	0.01179	0.00873	0.0319	0.00529	0.00532	5.60E-02	2.26E-04	1.64E-08	2.86E-04	1.88E-03	2.06E-03	8.63E-04	8.33E-04	6.05E-02
1727	494961.06	3858951.99	0.01156	0.00527	0.00674	0.01165	0.00866	0.03332	0.00524	0.00527	5.55E-02	2.24E-04	1.62E-08	2.82E-04	1.87E-03	2.16E-03	8.55E-04	8.26E-04	6.00E-02
1728	495011.06	3858951.99	0.01131	0.00517	0.00658	0.01136	0.00843	0.03375	0.00515	0.00517	5.43E-02	2.20E-04	1.58E-08	2.75E-04	1.82E-03	2.18E-03	8.41E-04	8.10E-04	5.88E-02
1729	495061.06	3858951.99	0.01107	0.00508	0.00643	0.01109	0.00822	0.03464	0.00505	0.00508	5.31E-02	2.16E-04	1.54E-08	2.69E-04	1.77E-03	2.24E-03	8.24E-04	7.96E-04	5.77E-02
1730	495111.06	3858951.99	0.01087	0.00501	0.00631	0.01088	0.00807	0.03575	0.00498	0.00501	5.22E-02	2.13E-04	1.51E-08	2.64E-04	1.74E-03	2.31E-03	8.13E-04	7.85E-04	5.67E-02
1731	495161.06	3858951.99	0.01088	0.00502	0.00629	0.0109	0.00816	0.0383	0.00499	0.00502	5.22E-02	2.14E-04	1.51E-08	2.64E-04	1.76E-03	2.48E-03	8.15E-04	7.86E-04	5.70E-02
1732	495211.06	3858951.99	0.01082	0.005	0.00624	0.01084	0.00817	0.04043	0.00497	0.005	5.19E-02	2.13E-04	1.50E-08	2.63E-04	1.76E-03	2.62E-03	8.11E-04	7.83E-04	5.68E-02
1733	495261.06	3858951.99	0.01076	0.00497	0.00619	0.01078	0.00817	0.04254	0.00495	0.00497	5.16E-02	2.11E-04	1.48E-08	2.61E-04	1.76E-03	2.75E-03	8.08E-04	7.79E-04	5.67E-02
1734	495311.06	3858951.99	0.01064	0.00493	0.00611	0.01065	0.0081	0.04413	0.00491	0.00493	5.11E-02	2.10E-04	1.47E-08	2.58E-04	1.75E-03	2.86E-03	8.01E-04	7.72E-04	5.62E-02
1735	495361.06	3858951.99	0.01059	0.00492	0.00607	0.0106	0.00811	0.04634	0.00489	0.00492	5.08E-02	2.09E-04	1.46E-08	2.57E-04	1.75E-03	3.00E-03	7.98E-04	7.71E-04	5.61E-02
1736	495411.06	3858951.99	0.01055	0.0049	0.00603	0.01056	0.00813	0.04878	0.00488	0.0049	5.06E-02	2.08E-04	1.45E-08	2.56E-04	1.75E-03	3.16E-03	7.97E-04	7.68E-04	5.60E-02
1737	495461.06	3858951.99	0.01047	0.00488	0.00598	0.01048	0.00811	0.05105	0.00486	0.00488	5.02E-02	2.08E-04	1.43E-08	2.54E-04	1.75E-03	3.30E-03	7.93E-04	7.64E-04	5.58E-02
1738	495511.06	3858951.99	0.01042	0.00486	0.00593	0.01043	0.00811	0.054	0.00484	0.00486	5.00E-02	2.07E-04	1.42E-08	2.53E-04	1.75E-03	3.49E-03	7.90E-04	7.61E-04	5.57E-02
1739	495561.06	3858951.99	0.01027	0.00481	0.00584	0.01027	0.00801	0.05669	0.00479	0.00481	4.93E-02	2.05E-04	1.40E-08	2.49E-04	1.73E-03	3.67E-03	7.82E-04	7.53E-04	5.52E-02
1740	495611.06	3858951.99	0.01016	0.00477	0.00578	0.01015	0.00795	0.06126	0.00475	0.00477	4.88E-02	2.03E-04	1.39E-08	2.46E-04	1.71E-03	3.96E-03	7.75E-04	7.47E-04	5.49E-02
1741	495661.06	3858951.99	0.01012	0.00476	0.00574	0.01011	0.00795	0.06916	0.00474	0.00476	4.86E-02	2.03E-04	1.38E-08	2.45E-04	1.71E-03	4.47E-03	7.74E-04	7.46E-04	5.52E-02
1742	494311.06	3859001.99	0.01334	0.00617	0.00817	0.01404	0.00978	0.02014	0.00611	0.00617	6.40E-02	2.63E-04	1.96E-08	3.40E-04	2.11E-03	1.30E-03	9.97E-04	9.67E-04	6.81E-02
1743	494361.06	3859001.99	0.01325	0.00614	0.00809	0.01396	0.00979	0.02086	0.00608	0.00614	6.36E-02	2.61E-04	1.94E-08	3.38E-04	2.11E-03	1.35E-03	9.92E-04	9.62E-04	6.77E-02
1744	494411.06	3859001.99	0.01314	0.00613	0.00815	0.0139	0.0098	0.02178	0.00607	0.00613	6.31E-02	2.61E-04	1.95E-08	3.37E-04	2.11E-03	1.41E-03	9.91E-04	9.60E-04	6.72E-02
1745	494461.06	3859001.99	0.01303	0.00609	0.00806	0.01378	0.00977	0.02279	0.00603	0.00609	6.25E-02	2.59E-04	1.93E-08	3.34E-04	2.11E-03	1.47E-03	9.84E-04	9.54E-04	6.67E-02
1746	494511.06	3859001.99	0.01292	0.00604	0.00796	0.01366	0.00974	0.02402	0.00599	0.00604	6.20E-02	2.57E-04	1.91E-08	3.31E-04	2.10E-03	1.55E-03	9.78E-04	9.46E-04	6.63E-02
1747	494561.06	3859001.99	0.01278	0.00596	0.00781	0.01342	0.0096	0.02544	0.00591	0.00596	6.13E-02	2.54E-04	1.87E-08	3.25E-04	2.07E-03	1.65E-03	9.65E-04	9.34E-04	6.57E-02
1748	494611.06	3859001.99	0.01264	0.00589	0.00767	0.0132	0.00947	0.02723	0.00584	0.00589	6.07E-02	2.51E-04	1.84E-08	3.20E-04	2.04E-03	1.76E-03	9.53E-04	9.23E-04	6.51E-02
1749	494661.06	3859001.99	0.01248	0.0058	0.00751	0.01294	0.0093	0.02937	0.00575	0.0058	5.99E-02	2.47E-04	1.80E-08	3.13E-04	2.01E-03	1.90E-03	9.39E-04	9.09E-04	6.44E-02
1750	494711.06	3859001.99	0.0123	0.0057	0.00734	0.01266	0.0091	0.03182	0.00566	0.0057	5.90E-02	2.43E-04	1.76E-08	3.07E-04	1.96E-03	2.06E-03	9.24E-04	8.93E-04	6.36E-02
1751	494761.06	3859001.99	0.01216	0.00564	0.00722	0.01246	0.00899	0.03486	0.0056	0.00564	5.84E-02	2.40E-04	1.73E-08	3.02E-04	1.94E-03	2.26E-03	9.14E-04	8.84E-04	6.31E-02
1752	494811.06	3859001.99	0.01205	0.00559	0.00713	0.01233	0.00893	0.03819	0.00555	0.00559	5.78E-02	2.38E-04	1.71E-08	2.99E-04	1.93E-03	2.47E-03	9.06E-04	8.76E-04	6.28E-02
1753	494861.06	3859001.99	0.0119	0.00552	0.007	0.01213	0.00881	0.04018	0.00548	0.00552	5.71E-02	2.35E-04	1.68E-08	2.94E-04	1.90E-03	2.60E-03	8.94E-04	8.65E-04	6.22E-02
1754	494911.06	3859001.99	0.01175	0.00545	0.00688	0.01192	0.00868	0.04228	0.00541	0.00545	5.64E-02	2.32E-04	1.65E-08	2.89E-04	1.87E-03	2.74E-03	8.83E-04	8.54E-04	6.15E-02
1755	494961.06	3859001.99	0.01158	0.00538	0.00676	0.01171	0.00855	0.04481	0.00534	0.00538	5.56E-02	2.29E-04	1.62E-08	2.84E-04	1.84E-03	2.90E-03	8.72E-04	8.43E-04	6.09E-02
1756	495011.06	3859001.99	0.01124	0.00522	0.00652	0.01127	0.00816	0.0453	0.00519	0.00522	5.39E-02	2.22E-04	1.56E-08	2.73E-04	1.76E-03	2.93E-03	8.47E-04	8.18E-04	5.92E-02
1757	495061.06	3859001.99	0.01112	0.00518	0.00644	0.01114	0.00811	0.04844	0.00515	0.00518	5.34E-02	2.20E-04	1.54E-08	2.70E-04	1.75E-03	3.13E-03	8.41E-04	8.11E-04	5.88E-02
1758	495111.06	3859001.99	0.01093	0.00511	0.00632	0.01094	0.00796	0.05058	0.00508	0.00511	5.25E-02	2.17E-04	1.52E-08	2.65E-04	1.72E-03	3.27E-03	8.29E-04	8.00E-04	5.80E-02
1759	495161.06	3859001.99	0.01098	0.00513	0.00633	0.01101	0.0081	0.05565	0.0051	0.00513	5.27E-02	2.18E-04	1.52E-08	2.67E-04	1.75E-03	3.60E-03	8.32E-04	8.04E-04	5.86E-02
1760	495211.06	3859001.99	0.0109	0.0051	0.00627	0.01092	0.00809	0.05885	0.00507	0.0051	5.23E-02	2.17E-04	1.50E-08	2.65E-04	1.74E-03	3.81E-03	8.28E-04	7.99E-04	5.84E-02
1761	495261.06	3859001.99	0.01084	0.00508	0.00622	0.01087	0.0081	0.0622	0.00506	0.00508	5.20E-02	2.16E-04	1.49E-08	2.63E-04	1.75E-03	4.02E-03	8.26E-04	7.96E-04	5.83E-02
1762	495311.06	3859001.99	0.01075	0.00505	0.00616	0.01078	0.00807	0.0648	0.00503	0.00505	5.16E-02	2.15E-04	1.48E-08	2.61E-04	1.74E-03	4.19E-03	8.21E-04	7.91E-04	5.80E-02
1763	495361.06	3859001.99	0.01069	0.00503	0.00611	0.01073	0.00808	0.0677	0.00501	0.00503	5.13E-02	2.14E-04	1.47E-08	2.60E-04	1.74E-03	4.38E-03	8.18E-04	7.88E-04	5.79E-02

1764	495411.06	3859001.99	0.01062	0.00501	0.00606	0.01066	0.00807	0.07031	0.00498	0.00501	5.10E-02	2.13E-04	1.45E-08	2.58E-04	1.74E-03	4.55E-03	8.13E-04	7.85E-04	5.78E-02
1765	495461.06	3859001.99	0.01056	0.00499	0.00601	0.0106	0.00807	0.07323	0.00496	0.00499	5.07E-02	2.12E-04	1.44E-08	2.57E-04	1.74E-03	4.74E-03	8.10E-04	7.82E-04	5.77E-02
1766	495511.06	3859001.99	0.01043	0.00494	0.00593	0.01046	0.00799	0.07544	0.00492	0.00494	5.01E-02	2.10E-04	1.42E-08	2.53E-04	1.72E-03	4.88E-03	8.03E-04	7.74E-04	5.71E-02
1767	495561.06	3859001.99	0.01034	0.00491	0.00586	0.01036	0.00796	0.07934	0.00489	0.00491	4.96E-02	2.09E-04	1.41E-08	2.51E-04	1.72E-03	5.13E-03	7.98E-04	7.69E-04	5.70E-02
1768	495611.06	3859001.99	0.01025	0.00487	0.0058	0.01026	0.00791	0.08547	0.00485	0.00487	4.92E-02	2.07E-04	1.39E-08	2.49E-04	1.71E-03	5.53E-03	7.92E-04	7.63E-04	5.69E-02
1769	495661.06	3859001.99	0.01023	0.00487	0.00578	0.01025	0.00796	0.09832	0.00485	0.00487	4.91E-02	2.07E-04	1.39E-08	2.48E-04	1.72E-03	6.36E-03	7.92E-04	7.63E-04	5.77E-02
1770	494311.06	3859051.99	0.01336	0.00636	0.0083	0.0143	0.00976	0.02115	0.00628	0.00636	6.41E-02	2.71E-04	1.99E-08	3.46E-04	2.10E-03	1.37E-03	1.03E-03	9.96E-04	6.82E-02
1771	494361.06	3859051.99	0.01326	0.00636	0.00836	0.01426	0.00979	0.02209	0.00629	0.00636	6.36E-02	2.71E-04	2.01E-08	3.45E-04	2.11E-03	1.43E-03	1.03E-03	9.96E-04	6.78E-02
1772	494411.06	3859051.99	0.01314	0.0063	0.00824	0.01411	0.00974	0.02302	0.00623	0.0063	6.31E-02	2.68E-04	1.98E-08	3.42E-04	2.10E-03	1.49E-03	1.02E-03	9.87E-04	6.73E-02
1773	494461.06	3859051.99	0.01302	0.00624	0.00812	0.01393	0.00966	0.0242	0.00617	0.00624	6.25E-02	2.66E-04	1.95E-08	3.37E-04	2.08E-03	1.57E-03	1.01E-03	9.78E-04	6.68E-02
1774	494511.06	3859051.99	0.01289	0.00617	0.00798	0.01372	0.00956	0.02567	0.0061	0.00617	6.19E-02	2.63E-04	1.91E-08	3.32E-04	2.06E-03	1.66E-03	9.96E-04	9.67E-04	6.62E-02
1775	494561.06	3859051.99	0.01277	0.0061	0.00785	0.01354	0.00948	0.02767	0.00604	0.0061	6.13E-02	2.60E-04	1.88E-08	3.28E-04	2.04E-03	1.79E-03	9.86E-04	9.56E-04	6.57E-02
1776	494611.06	3859051.99	0.01263	0.00602	0.0077	0.0133	0.00935	0.03035	0.00596	0.00602	6.06E-02	2.56E-04	1.85E-08	3.22E-04	2.02E-03	1.96E-03	9.73E-04	9.43E-04	6.52E-02
1777	494661.06	3859051.99	0.01249	0.00593	0.00755	0.01306	0.0092	0.03397	0.00588	0.00593	5.99E-02	2.52E-04	1.81E-08	3.16E-04	1.98E-03	2.20E-03	9.60E-04	9.29E-04	6.47E-02
1778	494711.06	3859051.99	0.01234	0.00585	0.00741	0.01284	0.00907	0.03885	0.00581	0.00585	5.92E-02	2.49E-04	1.78E-08	3.11E-04	1.96E-03	2.51E-03	9.48E-04	9.16E-04	6.43E-02
1779	494761.06	3859051.99	0.01219	0.00577	0.00727	0.01261	0.00893	0.04519	0.00573	0.00577	5.85E-02	2.46E-04	1.74E-08	3.06E-04	1.93E-03	2.92E-03	9.35E-04	9.04E-04	6.39E-02
1780	494811.06	3859051.99	0.01207	0.00571	0.00716	0.01243	0.00884	0.05278	0.00567	0.00571	5.79E-02	2.43E-04	1.72E-08	3.01E-04	1.91E-03	3.41E-03	9.26E-04	8.94E-04	6.38E-02
1781	494861.06	3859051.99	0.01194	0.00565	0.00705	0.01225	0.00875	0.05873	0.00561	0.00565	5.73E-02	2.40E-04	1.69E-08	2.97E-04	1.89E-03	3.80E-03	9.16E-04	8.85E-04	6.36E-02
1782	494911.06	3859051.99	0.01177	0.00556	0.0069	0.01201	0.00859	0.06439	0.00553	0.00556	5.65E-02	2.37E-04	1.65E-08	2.91E-04	1.85E-03	4.17E-03	9.03E-04	8.71E-04	6.31E-02
1783	494961.06	3859051.99	0.01155	0.00545	0.00672	0.01168	0.00834	0.07064	0.00542	0.00545	5.54E-02	2.32E-04	1.61E-08	2.83E-04	1.80E-03	4.57E-03	8.85E-04	8.54E-04	6.23E-02
1784	495011.06	3859051.99	0.01135	0.00536	0.00658	0.01144	0.00816	0.07718	0.00533	0.00536	5.45E-02	2.28E-04	1.58E-08	2.77E-04	1.76E-03	4.99E-03	8.70E-04	8.40E-04	6.18E-02
1785	495061.06	3859051.99	0.0112	0.0053	0.00647	0.01126	0.00805	0.08338	0.00527	0.0053	5.37E-02	2.26E-04	1.55E-08	2.73E-04	1.74E-03	5.39E-03	8.60E-04	8.30E-04	6.14E-02
1786	495111.06	3859051.99	0.01109	0.00525	0.00639	0.01114	0.008	0.08963	0.00523	0.00525	5.32E-02	2.23E-04	1.53E-08	2.70E-04	1.73E-03	5.80E-03	8.54E-04	8.22E-04	6.13E-02
1787	495161.06	3859051.99	0.01107	0.00525	0.00637	0.01115	0.00808	0.09864	0.00523	0.00525	5.31E-02	2.23E-04	1.53E-08	2.70E-04	1.74E-03	6.38E-03	8.54E-04	8.22E-04	6.18E-02
1788	495211.06	3859051.99	0.01096	0.00521	0.00629	0.01102	0.00802	0.10217	0.00518	0.00521	5.26E-02	2.22E-04	1.51E-08	2.67E-04	1.73E-03	6.61E-03	8.46E-04	8.16E-04	6.15E-02
1789	495261.06	3859051.99	0.01092	0.0052	0.00625	0.01099	0.00806	0.1088	0.00517	0.0052	5.24E-02	2.21E-04	1.50E-08	2.66E-04	1.74E-03	7.04E-03	8.44E-04	8.15E-04	6.17E-02
1790	495311.06	3859051.99	0.01082	0.00516	0.00618	0.01089	0.00803	0.11153	0.00514	0.00516	5.19E-02	2.20E-04	1.48E-08	2.64E-04	1.73E-03	7.22E-03	8.39E-04	8.08E-04	6.14E-02
1791	495361.06	3859051.99	0.01075	0.00514	0.00613	0.01082	0.00802	0.11513	0.00511	0.00514	5.16E-02	2.19E-04	1.47E-08	2.62E-04	1.73E-03	7.45E-03	8.34E-04	8.05E-04	6.13E-02
1792	495411.06	3859051.99	0.01069	0.00512	0.00609	0.01078	0.00804	0.11966	0.0051	0.00512	5.13E-02	2.18E-04	1.46E-08	2.61E-04	1.73E-03	7.74E-03	8.32E-04	8.02E-04	6.13E-02
1793	495461.06	3859051.99	0.01063	0.0051	0.00605	0.01073	0.00805	0.12372	0.00508	0.0051	5.10E-02	2.17E-04	1.45E-08	2.60E-04	1.74E-03	8.00E-03	8.29E-04	7.99E-04	6.13E-02
1794	495511.06	3859051.99	0.01051	0.00505	0.00596	0.01059	0.00797	0.12422	0.00503	0.00505	5.04E-02	2.15E-04	1.43E-08	2.57E-04	1.72E-03	8.04E-03	8.21E-04	7.91E-04	6.07E-02
1795	495561.06	3859051.99	0.01041	0.00501	0.00589	0.01047	0.00791	0.12742	0.00499	0.00501	5.00E-02	2.13E-04	1.41E-08	2.54E-04	1.71E-03	8.24E-03	8.15E-04	7.85E-04	6.04E-02
1796	495611.06	3859051.99	0.01031	0.00497	0.00582	0.01036	0.00786	0.13438	0.00495	0.00497	4.95E-02	2.11E-04	1.40E-08	2.51E-04	1.70E-03	8.69E-03	8.08E-04	7.79E-04	6.04E-02
1797	495661.06	3859051.99	0.01028	0.00497	0.0058	0.01035	0.00791	0.15521	0.00495	0.00497	4.93E-02	2.11E-04	1.39E-08	2.51E-04	1.71E-03	1.00E-02	8.08E-04	7.79E-04	6.16E-02
1798	494311.06	3859101.99	0.01335	0.00659	0.00854	0.0146	0.00972	0.02231	0.0065	0.00659	6.41E-02	2.80E-04	2.05E-08	3.54E-04	2.10E-03	1.44E-03	1.06E-03	1.03E-03	6.83E-02
1799	494361.06	3859101.99	0.01323	0.00653	0.00843	0.01445	0.00968	0.02321	0.00645	0.00653	6.35E-02	2.78E-04	2.02E-08	3.50E-04	2.09E-03	1.50E-03	1.05E-03	1.02E-03	6.77E-02
1800	494411.06	3859101.99	0.01312	0.00649	0.00832	0.01432	0.00965	0.02428	0.0064	0.00649	6.30E-02	2.76E-04	2.00E-08	3.47E-04	2.08E-03	1.57E-03	1.04E-03	1.02E-03	6.73E-02
1801	494461.06	3859101.99	0.013	0.00642	0.00819	0.01413	0.00958	0.0256	0.00634	0.00642	6.24E-02	2.73E-04	1.96E-08	3.42E-04	2.07E-03	1.66E-03	1.03E-03	1.01E-03	6.68E-02
1802	494511.06	3859101.99	0.01287	0.00632	0.00803	0.01388	0.00946	0.02731	0.00625	0.00632	6.18E-02	2.69E-04	1.93E-08	3.36E-04	2.04E-03	1.77E-03	1.02E-03	9.90E-04	6.62E-02
1803	494561.06	3859101.99	0.01275	0.00625	0.00789	0.01368	0.00937	0.02976	0.00618	0.00625	6.12E-02	2.66E-04	1.89E-08	3.31E-04	2.02E-03	1.93E-03	1.01E-03	9.79E-04	6.58E-02
1804	494611.06	3859101.99	0.0126	0.00615	0.00772	0.01339	0.00921	0.03327	0.00609	0.00615	6.05E-02	2.62E-04	1.85E-08	3.24E-04	1.99E-03	2.15E-03	9.94E-04	9.63E-04	6.52E-02
1805	494661.06	3859101.99	0.01248	0.00608	0.00759	0.0132	0.00912	0.03868	0.00602	0.00608	5.99E-02	2.59E-04	1.82E-08	3.20E-04	1.97E-03	2.50E-03	9.83E-04	9.52E-04	6.50E-02
1806	494711.06	3859101.99	0.01232	0.00597	0.00741	0.0129	0.00892	0.04722	0.00592	0.00597	5.91E-02	2.54E-04	1.78E-08	3.13E-04	1.92E-03	3.06E-03	9.66E-04	9.35E-04	6.47E-02
1807	494761.06	3859101.99	0.01221	0.00593	0.00732	0.01278	0.0089	0.06235	0.00588	0.00593	5.86E-02	2.52E-04	1.76E-08	3.10E-04	1.92E-03	4.03E-03	9.60E-04	9.29E-04	6.51E-02
1808	494811.06	3859101.99	0.01208	0.00585	0.00719	0.01257	0.00878	0.08703	0.00581	0.00585	5.80E-02	2.49E-04	1.72E-08	3.05E-04	1.89E-03	5.63E-03	9.48E-04	9.16E-04	6.61E-02
1809	494861.06	3859101.99	0.01195	0.00578	0.00707	0.01237	0.00868	0.11316	0.00574	0.00578	5.73E-02	2.46E-04	1.70E-08	3.00E-04	1.87E-03	7.32E-03	9.37E-04	9.05E-04	6.71E-02
1810	494911.06	3859101.99	0.01179	0.00569	0.00691	0.01212	0.00851	0.14013	0.00565	0.00569	5.66E-02	2.42E-04	1.66E-08	2.94E-04	1.84E-03	9.07E-03	9.22E-04	8.91E-04	6.80E-02
1811	494961.06	3859101.99	0.01157	0.00557	0.00673	0.01177	0.00825	0.16632	0.00553	0.00557	5.55E-02	2.37E-04	1.61E-08	2.85E-04	1.78E-03	1.08E-02	9.03E-04	8.73E-04	6.86E-02
1812	495011.06	3859101.99	0.01132	0.00544	0.00654	0.01142	0.00798	0.18107	0.00541	0.00544	5.43E-02	2.31E-04	1.57E-08	2.77E-04	1.72E-03	1.17E-02	8.83E-04	8.52E-04	6.83E-02
1813	495061.06	3859101.99	0.01126	0.00542	0.00649	0.01137	0.00801	0.20613	0.00539	0.00542	5.40E-02	2.31E-04	1.56E-08	2.75E-04	1.73E-03	1.33E-02	8.80E-04	8.49E-04	6.96E-02
1814	495111.06	3859101.99	0.01115	0.00537	0.00641	0.01124	0.00795	0.2179	0.00534	0.00537	5.35E-02	2.28E-04	1.54E-08	2.72E-04	1.71E-03	1.41E-02	8.72E-04	8.41E-04	6.99E-02
1815	495161.06	3859101.99	0.01112	0.00537	0.00639	0.01125	0.00803	0.23465	0.00534	0.00537	5.34E-02	2.28E-04	1.53E-08	2.73E-04	1.73E-03	1.52E-02	8.72E-04	8.41E-04	7.08E-02
1816	495211.06	3859101.99	0.01101	0.00533	0.00631	0.01113	0.00797	0.23976	0.0053	0.00533	5.28E-02	2.27E-04	1.51E-08	2.70E-04	1.72E-03	1.55E-02	8.65E-04	8.35E-04	7.06E-02
1817	495261.06	3859101.99	0.01095	0.00531	0.00626	0.01108	0.008	0.24933	0.00528	0.00531	5.25E-02	2.26E-04	1.50E-08	2.68E-04	1.73E-03	1.61E-02	8.62E-04	8.32E-04	7.09E-02
1818	495311.06	3859101.99	0.01089	0.00527	0.0062	0.01099	0.00799	0.2588	0.00525	0.00527	5.23E-02	2.24E-04	1.49E-08	2.66E-04	1.72E-03	1.67E-02	8.57E-04	8.26E-04	7.13E-02
1819	495361.06	3859101.99	0.01082	0.00527	0.00617	0.01097	0.00802	0.264	0.00524	0.00527	5.19E-02	2.24E-04	1.48E-08	2.66E-04	1.73E-03	1.71E-02	8.55E-04	8.26E-04	7.13E-02
1820	495411.06	3859101.99	0.01075	0.00524	0.00612	0.01091	0.00802	0.26943	0.00522	0.00524	5.16E-02	2.23E-04	1.47E-08	2.64E-04	1.73E-03	1.74E-02	8.52E-04	8.21E-04	7.13E-02

1821	495461.06	3859101.99	0.01067	0.00519	0.00603	0.01079	0.00796	0.27573	0.00516	0.00519	5.12E-02	2.21E-04	1.45E-08	2.61E-04	1.72E-03	1.78E-02	8.42E-04	8.13E-04	7.13E-02
1822	495511.06	3859101.99	0.01059	0.00516	0.00598	0.01071	0.00795	0.28157	0.00514	0.00516	5.08E-02	2.20E-04	1.43E-08	2.59E-04	1.71E-03	1.82E-02	8.39E-04	8.08E-04	7.13E-02
1823	495561.06	3859101.99	0.01047	0.00513	0.00592	0.01061	0.0079	0.28147	0.00511	0.00513	5.02E-02	2.18E-04	1.42E-08	2.57E-04	1.70E-03	1.82E-02	8.34E-04	8.04E-04	7.07E-02
1824	495611.06	3859101.99	0.01037	0.00509	0.00585	0.01048	0.00784	0.28633	0.00507	0.00509	4.98E-02	2.17E-04	1.40E-08	2.54E-04	1.69E-03	1.85E-02	8.28E-04	7.97E-04	7.05E-02
1825	495661.06	3859101.99	0.01031	0.00507	0.00581	0.01044	0.00785	0.31259	0.00505	0.00507	4.95E-02	2.16E-04	1.39E-08	2.53E-04	1.69E-03	2.02E-02	8.24E-04	7.94E-04	7.19E-02
1826	494311.06	3859151.99	0.01331	0.00678	0.0086	0.01483	0.0096	0.0235	0.00667	0.00678	6.39E-02	2.88E-04	2.06E-08	3.59E-04	2.07E-03	1.52E-03	1.09E-03	1.06E-03	6.81E-02
1827	494361.06	3859151.99	0.0132	0.00673	0.0085	0.01471	0.00959	0.02457	0.00663	0.00673	6.33E-02	2.86E-04	2.04E-08	3.56E-04	2.07E-03	1.59E-03	1.08E-03	1.05E-03	6.77E-02
1828	494411.06	3859151.99	0.01307	0.00665	0.00835	0.01448	0.00951	0.02562	0.00656	0.00665	6.27E-02	2.83E-04	2.00E-08	3.51E-04	2.05E-03	1.66E-03	1.07E-03	1.04E-03	6.71E-02
1829	494461.06	3859151.99	0.01295	0.00657	0.0082	0.01426	0.00942	0.02702	0.00648	0.00657	6.21E-02	2.80E-04	1.97E-08	3.45E-04	2.03E-03	1.75E-03	1.06E-03	1.03E-03	6.66E-02
1830	494511.06	3859151.99	0.01282	0.00647	0.00803	0.01398	0.0093	0.02889	0.00639	0.00647	6.15E-02	2.75E-04	1.93E-08	3.39E-04	2.01E-03	1.87E-03	1.04E-03	1.01E-03	6.60E-02
1831	494561.06	3859151.99	0.01271	0.0064	0.00791	0.01381	0.00924	0.03171	0.00632	0.0064	6.10E-02	2.72E-04	1.90E-08	3.35E-04	1.99E-03	2.05E-03	1.03E-03	1.00E-03	6.57E-02
1832	494611.06	3859151.99	0.01257	0.0063	0.00774	0.01354	0.00911	0.03587	0.00623	0.0063	6.03E-02	2.68E-04	1.86E-08	3.28E-04	1.96E-03	2.32E-03	1.02E-03	9.87E-04	6.52E-02
1833	494661.06	3859151.99	0.01245	0.00623	0.00762	0.01336	0.00903	0.04256	0.00617	0.00623	5.97E-02	2.65E-04	1.83E-08	3.24E-04	1.95E-03	2.75E-03	1.01E-03	9.76E-04	6.51E-02
1834	494711.06	3859151.99	0.01234	0.00617	0.00751	0.0132	0.00897	0.05425	0.00611	0.00617	5.92E-02	2.63E-04	1.80E-08	3.20E-04	1.93E-03	3.51E-03	9.97E-04	9.67E-04	6.53E-02
1835	494761.06	3859151.99	0.01219	0.00607	0.00734	0.01291	0.00881	0.07897	0.00601	0.00607	5.85E-02	2.58E-04	1.76E-08	3.13E-04	1.90E-03	5.11E-03	9.81E-04	9.51E-04	6.61E-02
1836	494811.06	3859151.99	0.01206	0.00598	0.0072	0.01267	0.00867	0.14981	0.00593	0.00598	5.79E-02	2.54E-04	1.73E-08	3.07E-04	1.87E-03	9.69E-03	9.68E-04	9.37E-04	7.00E-02
1837	494861.06	3859151.99	0.01194	0.00592	0.00709	0.0125	0.0086	0.27244	0.00587	0.00592	5.73E-02	2.52E-04	1.70E-08	3.03E-04	1.85E-03	1.76E-02	9.58E-04	9.27E-04	7.74E-02
1838	494911.06	3859151.99	0.01178	0.00581	0.00693	0.01221	0.00842	0.54844	0.00577	0.00581	5.65E-02	2.47E-04	1.66E-08	2.96E-04	1.82E-03	3.55E-02	9.42E-04	9.10E-04	9.44E-02
1839	494961.06	3859151.99	0.01159	0.00567	0.00673	0.01184	0.00817	0.54368	0.00564	0.00567	5.56E-02	2.41E-04	1.61E-08	2.87E-04	1.76E-03	3.52E-02	9.21E-04	8.88E-04	9.31E-02
1840	495011.06	3859151.99	0.01136	0.00557	0.00655	0.01154	0.00793	0.587	0.00553	0.00557	5.45E-02	2.37E-04	1.57E-08	2.80E-04	1.71E-03	3.80E-02	9.03E-04	8.73E-04	9.48E-02
1841	495061.06	3859151.99	0.01128	0.00554	0.00649	0.01146	0.00793	0.55593	0.0055	0.00554	5.41E-02	2.36E-04	1.56E-08	2.78E-04	1.71E-03	3.60E-02	8.98E-04	8.68E-04	9.24E-02
1842	495111.06	3859151.99	0.01119	0.0055	0.00642	0.01136	0.00791	0.55292	0.00547	0.0055	5.37E-02	2.34E-04	1.54E-08	2.75E-04	1.71E-03	3.58E-02	8.93E-04	8.62E-04	9.17E-02
1843	495161.06	3859151.99	0.01115	0.0055	0.0064	0.01137	0.00798	0.52417	0.00547	0.0055	5.35E-02	2.34E-04	1.53E-08	2.75E-04	1.72E-03	3.39E-02	8.93E-04	8.62E-04	8.97E-02
1844	495211.06	3859151.99	0.01107	0.00546	0.00634	0.01128	0.00797	0.58909	0.00543	0.00546	5.31E-02	2.32E-04	1.52E-08	2.73E-04	1.72E-03	3.81E-02	8.86E-04	8.55E-04	9.35E-02
1845	495261.06	3859151.99	0.01098	0.00543	0.00628	0.01119	0.00796	0.52325	0.0054	0.00543	5.27E-02	2.31E-04	1.51E-08	2.71E-04	1.72E-03	3.39E-02	8.81E-04	8.51E-04	8.88E-02
1846	495311.06	3859151.99	0.01091	0.0054	0.00622	0.01112	0.00795	0.50205	0.00537	0.0054	5.24E-02	2.30E-04	1.49E-08	2.69E-04	1.71E-03	3.25E-02	8.77E-04	8.46E-04	8.71E-02
1847	495361.06	3859151.99	0.01083	0.00537	0.00617	0.01104	0.00794	0.53135	0.00534	0.00537	5.20E-02	2.28E-04	1.48E-08	2.67E-04	1.71E-03	3.44E-02	8.72E-04	8.41E-04	8.86E-02
1848	495411.06	3859151.99	0.01079	0.00537	0.00615	0.01104	0.008	0.49664	0.00534	0.00537	5.18E-02	2.28E-04	1.47E-08	2.67E-04	1.73E-03	3.21E-02	8.72E-04	8.41E-04	8.62E-02
1849	495461.06	3859151.99	0.01071	0.00534	0.0061	0.01097	0.00799	0.51772	0.00531	0.00534	5.14E-02	2.27E-04	1.46E-08	2.66E-04	1.72E-03	3.35E-02	8.67E-04	8.37E-04	8.71E-02
1850	495511.06	3859151.99	0.0106	0.00529	0.00601	0.01083	0.00792	0.50624	0.00527	0.00529	5.09E-02	2.25E-04	1.44E-08	2.62E-04	1.71E-03	3.28E-02	8.60E-04	8.29E-04	8.59E-02
1851	495561.06	3859151.99	0.01051	0.00525	0.00594	0.01072	0.00788	0.4879	0.00523	0.00525	5.04E-02	2.23E-04	1.42E-08	2.60E-04	1.70E-03	3.16E-02	8.54E-04	8.22E-04	8.42E-02
1852	495611.06	3859151.99	0.01042	0.00521	0.00588	0.01063	0.00784	0.4633	0.00519	0.00521	5.00E-02	2.22E-04	1.41E-08	2.58E-04	1.69E-03	3.00E-02	8.47E-04	8.16E-04	8.22E-02
1853	495661.06	3859151.99	0.01034	0.00518	0.00582	0.01054	0.00781	0.42989	0.00516	0.00518	4.96E-02	2.20E-04	1.40E-08	2.55E-04	1.68E-03	2.78E-02	8.42E-04	8.11E-04	7.96E-02
1854	494311.06	3859201.99	0.01325	0.00698	0.00869	0.01506	0.00946	0.02503	0.00686	0.00698	6.36E-02	2.97E-04	2.08E-08	3.65E-04	2.04E-03	1.62E-03	1.12E-03	1.09E-03	6.79E-02
1855	494361.06	3859201.99	0.01313	0.00692	0.00857	0.01489	0.00942	0.02622	0.0068	0.00692	6.30E-02	2.94E-04	2.06E-08	3.61E-04	2.03E-03	1.70E-03	1.11E-03	1.08E-03	6.74E-02
1856	494411.06	3859201.99	0.01301	0.00684	0.00838	0.01468	0.00936	0.02741	0.00672	0.00684	6.24E-02	2.91E-04	2.01E-08	3.56E-04	2.02E-03	1.77E-03	1.10E-03	1.07E-03	6.69E-02
1857	494461.06	3859201.99	0.01289	0.00673	0.00821	0.01439	0.00926	0.02884	0.00663	0.00673	6.19E-02	2.86E-04	1.97E-08	3.49E-04	2.00E-03	1.87E-03	1.08E-03	1.05E-03	6.64E-02
1858	494511.06	3859201.99	0.01277	0.00665	0.00808	0.0142	0.0092	0.03093	0.00656	0.00665	6.13E-02	2.83E-04	1.94E-08	3.44E-04	1.98E-03	2.00E-03	1.07E-03	1.04E-03	6.59E-02
1859	494561.06	3859201.99	0.01264	0.00655	0.0079	0.01391	0.00908	0.0339	0.00646	0.00655	6.07E-02	2.79E-04	1.89E-08	3.37E-04	1.96E-03	2.19E-03	1.05E-03	1.03E-03	6.55E-02
1860	494611.06	3859201.99	0.01252	0.00646	0.00776	0.01368	0.00899	0.03847	0.00638	0.00646	6.01E-02	2.75E-04	1.86E-08	3.31E-04	1.94E-03	2.49E-03	1.04E-03	1.01E-03	6.51E-02
1861	494661.06	3859201.99	0.0124	0.00639	0.00763	0.01349	0.00892	0.04571	0.00631	0.00639	5.95E-02	2.72E-04	1.83E-08	3.27E-04	1.92E-03	2.96E-03	1.03E-03	1.00E-03	6.50E-02
1862	494711.06	3859201.99	0.01229	0.00631	0.00751	0.01331	0.00884	0.05824	0.00624	0.00631	5.90E-02	2.68E-04	1.80E-08	3.22E-04	1.91E-03	3.77E-03	1.02E-03	9.88E-04	6.53E-02
1863	494761.06	3859201.99	0.01215	0.00621	0.00735	0.01303	0.0087	0.08453	0.00614	0.00621	5.83E-02	2.64E-04	1.76E-08	3.16E-04	1.88E-03	5.47E-03	1.00E-03	9.73E-04	6.63E-02
1864	494811.06	3859201.99	0.01202	0.00612	0.00721	0.0128	0.00859	0.1558	0.00606	0.00612	5.77E-02	2.60E-04	1.73E-08	3.10E-04	1.85E-03	1.01E-02	9.89E-04	9.59E-04	7.02E-02
1865	494861.06	3859201.99	0.01189	0.00601	0.00705	0.01252	0.00845	0.29106	0.00596	0.00601	5.71E-02	2.56E-04	1.69E-08	3.03E-04	1.82E-03	1.88E-02	9.73E-04	9.41E-04	7.83E-02
1866	494911.06	3859201.99	0.01172	0.00591	0.00688	0.01223	0.00826	0.23672	0.00587	0.00591	5.62E-02	2.51E-04	1.65E-08	2.96E-04	1.78E-03	1.53E-02	9.58E-04	9.26E-04	7.39E-02
1867	494961.06	3859201.99	0.01155	0.0058	0.00671	0.01192	0.00805	0.18118	0.00575	0.0058	5.54E-02	2.47E-04	1.61E-08	2.89E-04	1.74E-03	1.17E-02	9.39E-04	9.09E-04	6.95E-02
1868	495011.06	3859201.99	0.01132	0.00565	0.00651	0.01153	0.00777	0.15983	0.00562	0.00565	5.43E-02	2.40E-04	1.56E-08	2.79E-04	1.68E-03	1.03E-02	9.17E-04	8.85E-04	6.69E-02
1869	495061.06	3859201.99	0.01131	0.00568	0.00651	0.0116	0.0079	0.15538	0.00564	0.00568	5.43E-02	2.42E-04	1.56E-08	2.81E-04	1.70E-03	1.01E-02	9.21E-04	8.90E-04	6.66E-02
1870	495111.06	3859201.99	0.01124	0.00565	0.00647	0.01154	0.00792	0.15175	0.00562	0.00565	5.39E-02	2.40E-04	1.55E-08	2.80E-04	1.71E-03	9.82E-03	9.17E-04	8.85E-04	6.60E-02
1871	495161.06	3859201.99	0.01116	0.00562	0.00641	0.01147	0.00793	0.14967	0.00559	0.00562	5.36E-02	2.39E-04	1.54E-08	2.78E-04	1.71E-03	9.68E-03	9.12E-04	8.80E-04	6.55E-02
1872	495211.06	3859201.99	0.01106	0.00558	0.00633	0.01135	0.00789	0.14909	0.00554	0.00558	5.31E-02	2.37E-04	1.52E-08	2.75E-04	1.70E-03	9.65E-03	9.04E-04	8.74E-04	6.50E-02
1873	495261.06	3859201.99	0.01099	0.00556	0.00629	0.0113	0.00791	0.14696	0.00552	0.00556	5.27E-02	2.37E-04	1.51E-08	2.74E-04	1.71E-03	9.51E-03	9.01E-04	8.71E-04	6.45E-02
1874	495311.06	3859201.99	0.01091	0.00553	0.00624	0.01123	0.00791	0.14549	0.0055	0.00553	5.24E-02	2.35E-04	1.50E-08	2.72E-04	1.71E-03	9.41E-03	8.98E-04	8.66E-04	6.40E-02
1875	495361.06	3859201.99	0.01084	0.0055	0.00619	0.01117	0.00792	0.14375	0.00547	0.0055	5.20E-02	2.34E-04	1.48E-08	2.71E-04	1.71E-03	9.30E-03	8.93E-04	8.62E-04	6.36E-02
1876	495411.06	3859201.99	0.01079	0.00549	0.00616	0.01115	0.00796	0.1407	0.00546	0.00549	5.18E-02	2.34E-04	1.48E-08	2.70E-04	1.72E-03	9.10E-03	8.91E-04	8.60E-04	6.31E-02
1877	495461.06	3859201.99	0.0107	0.00546	0.0061	0.01106	0.00794	0.13922	0.00543	0.00546	5.13E-02	2.32E-04	1.46E-08	2.68E-04	1.71E-03	9.01E-03	8.86E-04	8.55E-04	6.26E-02

1878	495511.06	3859201.99	0.01062	0.00542	0.00604	0.01097	0.00792	0.137	0.0054	0.00542	5.10E-02	2.31E-04	1.45E-08	2.66E-04	1.71E-03	8.86E-03	8.81E-04	8.49E-04	6.21E-02
1879	495561.06	3859201.99	0.01051	0.00537	0.00595	0.01083	0.00784	0.13558	0.00534	0.00537	5.04E-02	2.28E-04	1.43E-08	2.62E-04	1.69E-03	8.77E-03	8.72E-04	8.41E-04	6.14E-02
1880	495611.06	3859201.99	0.01042	0.00532	0.00588	0.01071	0.00779	0.13167	0.0053	0.00532	5.00E-02	2.26E-04	1.41E-08	2.59E-04	1.68E-03	8.52E-03	8.65E-04	8.33E-04	6.07E-02
1881	495661.06	3859201.99	0.01034	0.00529	0.00583	0.01062	0.00776	0.12448	0.00527	0.00529	4.96E-02	2.25E-04	1.40E-08	2.57E-04	1.67E-03	8.05E-03	8.60E-04	8.29E-04	5.99E-02
1882	494311.06	3859251.99	0.01318	0.00718	0.00871	0.01529	0.0093	0.02699	0.00704	0.00718	6.32E-02	3.05E-04	2.09E-08	3.70E-04	2.01E-03	1.75E-03	1.15E-03	1.12E-03	6.77E-02
1883	494361.06	3859251.99	0.01306	0.0071	0.00856	0.01505	0.00924	0.02831	0.00696	0.0071	6.27E-02	3.02E-04	2.05E-08	3.65E-04	1.99E-03	1.83E-03	1.14E-03	1.11E-03	6.72E-02
1884	494411.06	3859251.99	0.01294	0.00698	0.00838	0.01476	0.00915	0.02952	0.00686	0.00698	6.21E-02	2.97E-04	2.01E-08	3.58E-04	1.97E-03	1.91E-03	1.12E-03	1.09E-03	6.67E-02
1885	494461.06	3859251.99	0.01281	0.00691	0.00824	0.01455	0.0091	0.03106	0.00679	0.00691	6.15E-02	2.94E-04	1.98E-08	3.53E-04	1.96E-03	2.01E-03	1.11E-03	1.08E-03	6.61E-02
1886	494511.06	3859251.99	0.01268	0.00678	0.00802	0.01424	0.00899	0.03304	0.00667	0.00678	6.09E-02	2.88E-04	1.92E-08	3.45E-04	1.94E-03	2.14E-03	1.09E-03	1.06E-03	6.56E-02
1887	494561.06	3859251.99	0.01257	0.0067	0.00789	0.01403	0.00892	0.0361	0.0066	0.0067	6.03E-02	2.85E-04	1.89E-08	3.40E-04	1.92E-03	2.34E-03	1.08E-03	1.05E-03	6.52E-02
1888	494611.06	3859251.99	0.01245	0.0066	0.00773	0.01377	0.00882	0.0406	0.00651	0.0066	5.97E-02	2.81E-04	1.85E-08	3.34E-04	1.90E-03	2.63E-03	1.06E-03	1.03E-03	6.49E-02
1889	494661.06	3859251.99	0.01234	0.00654	0.00762	0.01362	0.00878	0.04763	0.00645	0.00654	5.92E-02	2.78E-04	1.83E-08	3.30E-04	1.89E-03	3.08E-03	1.05E-03	1.02E-03	6.48E-02
1890	494711.06	3859251.99	0.01222	0.00646	0.0075	0.01342	0.00872	0.05966	0.00638	0.00646	5.86E-02	2.75E-04	1.80E-08	3.25E-04	1.88E-03	3.86E-03	1.04E-03	1.01E-03	6.50E-02
1891	494761.06	3859251.99	0.01208	0.0063	0.00727	0.01299	0.0085	0.08493	0.00622	0.0063	5.80E-02	2.68E-04	1.74E-08	3.15E-04	1.83E-03	5.50E-03	1.02E-03	9.87E-04	6.59E-02
1892	494811.06	3859251.99	0.01197	0.00627	0.00719	0.01291	0.00848	0.15005	0.0062	0.00627	5.74E-02	2.67E-04	1.72E-08	3.13E-04	1.83E-03	9.71E-03	1.01E-03	9.82E-04	6.96E-02
1893	494861.06	3859251.99	0.01183	0.00611	0.00699	0.01253	0.00828	0.29556	0.00605	0.00611	5.68E-02	2.60E-04	1.68E-08	3.04E-04	1.79E-03	1.91E-02	9.88E-04	9.57E-04	7.83E-02
1894	494911.06	3859251.99	0.01166	0.00602	0.00682	0.01224	0.00809	0.20761	0.00596	0.00602	5.60E-02	2.56E-04	1.64E-08	2.97E-04	1.74E-03	1.34E-02	9.73E-04	9.43E-04	7.17E-02
1895	494961.06	3859251.99	0.01154	0.00594	0.00671	0.01206	0.00801	0.14629	0.00589	0.00594	5.54E-02	2.53E-04	1.61E-08	2.92E-04	1.73E-03	9.47E-03	9.61E-04	9.31E-04	6.71E-02
1896	495011.06	3859251.99	0.01141	0.00586	0.00659	0.01185	0.0079	0.11827	0.00582	0.00586	5.48E-02	2.49E-04	1.58E-08	2.87E-04	1.70E-03	7.65E-03	9.50E-04	9.18E-04	6.47E-02
1897	495061.06	3859251.99	0.01134	0.00584	0.00655	0.01181	0.00793	0.1057	0.0058	0.00584	5.44E-02	2.48E-04	1.57E-08	2.86E-04	1.71E-03	6.84E-03	9.47E-04	9.15E-04	6.35E-02
1898	495111.06	3859251.99	0.01124	0.0058	0.00648	0.0117	0.0079	0.0979	0.00576	0.0058	5.39E-02	2.47E-04	1.55E-08	2.83E-04	1.70E-03	6.33E-03	9.40E-04	9.09E-04	6.25E-02
1899	495161.06	3859251.99	0.01116	0.00577	0.00642	0.01161	0.00791	0.09308	0.00572	0.00577	5.36E-02	2.46E-04	1.54E-08	2.81E-04	1.71E-03	6.02E-03	9.34E-04	9.04E-04	6.18E-02
1900	495211.06	3859251.99	0.01106	0.00572	0.00634	0.0115	0.00787	0.08985	0.00568	0.00572	5.31E-02	2.43E-04	1.52E-08	2.79E-04	1.70E-03	5.81E-03	9.27E-04	8.96E-04	6.11E-02
1901	495261.06	3859251.99	0.011	0.00567	0.00628	0.01141	0.00788	0.08728	0.00564	0.00567	5.28E-02	2.41E-04	1.51E-08	2.76E-04	1.70E-03	5.65E-03	9.21E-04	8.88E-04	6.07E-02
1902	495311.06	3859251.99	0.01091	0.00567	0.00625	0.01138	0.0079	0.08563	0.00563	0.00567	5.24E-02	2.41E-04	1.50E-08	2.76E-04	1.70E-03	5.54E-03	9.19E-04	8.88E-04	6.01E-02
1903	495361.06	3859251.99	0.01083	0.00563	0.00619	0.01129	0.00788	0.08411	0.0056	0.00563	5.20E-02	2.40E-04	1.48E-08	2.74E-04	1.70E-03	5.44E-03	9.14E-04	8.82E-04	5.97E-02
1904	495411.06	3859251.99	0.01077	0.00562	0.00616	0.01126	0.00792	0.08247	0.00559	0.00562	5.17E-02	2.39E-04	1.48E-08	2.73E-04	1.71E-03	5.34E-03	9.12E-04	8.80E-04	5.93E-02
1905	495461.06	3859251.99	0.01069	0.00559	0.0061	0.01118	0.0079	0.08107	0.00555	0.00559	5.13E-02	2.38E-04	1.46E-08	2.71E-04	1.70E-03	5.25E-03	9.06E-04	8.76E-04	5.88E-02
1906	495511.06	3859251.99	0.01058	0.00553	0.00601	0.01102	0.00783	0.07984	0.0055	0.00553	5.08E-02	2.35E-04	1.44E-08	2.67E-04	1.69E-03	5.17E-03	8.98E-04	8.66E-04	5.82E-02
1907	495561.06	3859251.99	0.0105	0.00549	0.00595	0.01092	0.00779	0.07798	0.00546	0.00549	5.04E-02	2.34E-04	1.43E-08	2.65E-04	1.68E-03	5.05E-03	8.91E-04	8.60E-04	5.76E-02
1908	495611.06	3859251.99	0.0104	0.00543	0.00587	0.01079	0.00773	0.076	0.00541	0.00543	4.99E-02	2.31E-04	1.41E-08	2.61E-04	1.67E-03	4.92E-03	8.83E-04	8.51E-04	5.70E-02
1909	495661.06	3859251.99	0.01031	0.0054	0.00581	0.01069	0.00769	0.0731	0.00537	0.0054	4.95E-02	2.30E-04	1.39E-08	2.59E-04	1.66E-03	4.73E-03	8.77E-04	8.46E-04	5.64E-02
1910	494311.06	3859301.99	0.01309	0.00738	0.0087	0.01548	0.00911	0.02938	0.00723	0.00738	6.28E-02	3.14E-04	2.09E-08	3.75E-04	1.96E-03	1.90E-03	1.18E-03	1.16E-03	6.74E-02
1911	494361.06	3859301.99	0.01297	0.00728	0.00855	0.01523	0.00906	0.0309	0.00714	0.00728	6.22E-02	3.10E-04	2.05E-08	3.69E-04	1.95E-03	2.00E-03	1.17E-03	1.14E-03	6.69E-02
1912	494411.06	3859301.99	0.01284	0.00717	0.00836	0.01493	0.00898	0.03229	0.00703	0.00717	6.16E-02	3.05E-04	2.01E-08	3.62E-04	1.94E-03	2.09E-03	1.15E-03	1.12E-03	6.63E-02
1913	494461.06	3859301.99	0.01272	0.00705	0.00819	0.01464	0.00889	0.03366	0.00693	0.00705	6.10E-02	3.00E-04	1.96E-08	3.55E-04	1.92E-03	2.18E-03	1.13E-03	1.10E-03	6.58E-02
1914	494511.06	3859301.99	0.0126	0.00695	0.00803	0.01437	0.00882	0.03561	0.00683	0.00695	6.05E-02	2.96E-04	1.93E-08	3.48E-04	1.90E-03	2.30E-03	1.11E-03	1.09E-03	6.53E-02
1915	494561.06	3859301.99	0.01248	0.00687	0.0079	0.01416	0.00876	0.03864	0.00676	0.00687	5.99E-02	2.92E-04	1.89E-08	3.43E-04	1.89E-03	2.50E-03	1.10E-03	1.08E-03	6.49E-02
1916	494611.06	3859301.99	0.01236	0.00678	0.00772	0.01393	0.00869	0.04305	0.00667	0.00678	5.93E-02	2.88E-04	1.85E-08	3.37E-04	1.87E-03	2.79E-03	1.09E-03	1.06E-03	6.46E-02
1917	494661.06	3859301.99	0.01225	0.00669	0.00758	0.01371	0.00863	0.04979	0.00659	0.00669	5.88E-02	2.85E-04	1.82E-08	3.32E-04	1.86E-03	3.22E-03	1.08E-03	1.05E-03	6.45E-02
1918	494711.06	3859301.99	0.01213	0.00659	0.00744	0.01346	0.00854	0.06147	0.0065	0.00659	5.82E-02	2.80E-04	1.78E-08	3.26E-04	1.84E-03	3.98E-03	1.06E-03	1.03E-03	6.47E-02
1919	494761.06	3859301.99	0.01202	0.0065	0.0073	0.01324	0.00846	0.0849	0.00642	0.0065	5.77E-02	2.77E-04	1.75E-08	3.21E-04	1.82E-03	5.49E-03	1.05E-03	1.02E-03	6.56E-02
1920	494811.06	3859301.99	0.01189	0.00639	0.00714	0.01295	0.00833	0.14681	0.00631	0.00639	5.71E-02	2.72E-04	1.71E-08	3.14E-04	1.80E-03	9.50E-03	1.03E-03	1.00E-03	6.90E-02
1921	494861.06	3859301.99	0.01174	0.00625	0.00694	0.01259	0.00813	0.20515	0.00618	0.00625	5.63E-02	2.66E-04	1.66E-08	3.05E-04	1.75E-03	1.33E-02	1.01E-03	9.79E-04	7.20E-02
1922	494911.06	3859301.99	0.01163	0.00617	0.00682	0.01238	0.00804	0.20928	0.0061	0.00617	5.58E-02	2.63E-04	1.64E-08	3.00E-04	1.73E-03	1.35E-02	9.96E-04	9.67E-04	7.17E-02
1923	494961.06	3859301.99	0.01147	0.00603	0.00662	0.01202	0.00783	0.1372	0.00597	0.00603	5.50E-02	2.57E-04	1.59E-08	2.91E-04	1.69E-03	8.88E-03	9.74E-04	9.45E-04	6.62E-02
1924	495011.06	3859301.99	0.01136	0.00596	0.00653	0.01186	0.00777	0.10829	0.00591	0.00596	5.45E-02	2.54E-04	1.57E-08	2.87E-04	1.68E-03	7.01E-03	9.65E-04	9.34E-04	6.38E-02
1925	495061.06	3859301.99	0.01132	0.00598	0.00654	0.01193	0.0079	0.0949	0.00593	0.00598	5.43E-02	2.54E-04	1.57E-08	2.89E-04	1.70E-03	6.14E-03	9.68E-04	9.37E-04	6.27E-02
1926	495111.06	3859301.99	0.0112	0.00591	0.00643	0.01174	0.0078	0.08424	0.00586	0.00591	5.37E-02	2.51E-04	1.54E-08	2.84E-04	1.68E-03	5.45E-03	9.57E-04	9.26E-04	6.14E-02
1927	495161.06	3859301.99	0.01111	0.00588	0.00638	0.01167	0.0078	0.07784	0.00584	0.00588	5.33E-02	2.50E-04	1.53E-08	2.83E-04	1.68E-03	5.04E-03	9.53E-04	9.21E-04	6.06E-02
1928	495211.06	3859301.99	0.01105	0.00587	0.00635	0.01165	0.00786	0.07354	0.00583	0.00587	5.30E-02	2.50E-04	1.52E-08	2.82E-04	1.70E-03	4.76E-03	9.52E-04	9.20E-04	6.00E-02
1929	495261.06	3859301.99	0.01097	0.00585	0.00631	0.0116	0.00787	0.07017	0.0058	0.00585	5.26E-02	2.49E-04	1.51E-08	2.81E-04	1.70E-03	4.54E-03	9.47E-04	9.16E-04	5.94E-02
1930	495311.06	3859301.99	0.01087	0.00579	0.00622	0.01145	0.00781	0.06739	0.00575	0.00579	5.22E-02	2.46E-04	1.49E-08	2.77E-04	1.68E-03	4.36E-03	9.39E-04	9.07E-04	5.88E-02
1931	495361.06	3859301.99	0.0108	0.00577	0.00618	0.01141	0.00784	0.06525	0.00573	0.00577	5.18E-02	2.46E-04	1.48E-08	2.76E-04	1.69E-03	4.22E-03	9.35E-04	9.04E-04	5.83E-02
1932	495411.06	3859301.99	0.01072	0.00574	0.00613	0.01133	0.00784	0.06336	0.0057	0.00574	5.14E-02	2.44E-04	1.47E-08	2.74E-04	1.69E-03	4.10E-03	9.30E-04	8.99E-04	5.78E-02
1933	495461.06	3859301.99	0.01065	0.00571	0.00609	0.01127	0.00784	0.0616	0.00567	0.00571	5.11E-02	2.43E-04	1.46E-08	2.73E-04	1.69E-03	3.99E-03	9.26E-04	8.94E-04	5.73E-02
1934	495511.06	3859301.99	0.01055	0.00566	0.00601	0.01114	0.00779	0.05985	0.00562	0.00566	5.06E-02	2.41E-04	1.44E-08	2.70E-04	1.68E-03	3.87E-03	9.17E-04	8.87E-04	5.67E-02

1935	495561.06	3859301.99	0.01044	0.00559	0.00591	0.01095	0.00769	0.05824	0.00555	0.00559	5.01E-02	2.38E-04	1.42E-08	2.65E-04	1.66E-03	3.77E-03	9.06E-04	8.76E-04	5.61E-02
1936	495611.06	3859301.99	0.01036	0.00555	0.00585	0.01085	0.00766	0.05667	0.00551	0.00555	4.97E-02	2.36E-04	1.40E-08	2.63E-04	1.65E-03	3.67E-03	8.99E-04	8.69E-04	5.56E-02
1937	495661.06	3859301.99	0.01027	0.0055	0.00578	0.01075	0.00762	0.05476	0.00547	0.0055	4.93E-02	2.34E-04	1.39E-08	2.60E-04	1.64E-03	3.54E-03	8.93E-04	8.62E-04	5.50E-02
1938	494311.06	3859351.99	0.01295	0.00756	0.00864	0.01561	0.00889	0.03239	0.00739	0.00756	6.21E-02	3.22E-04	2.07E-08	3.78E-04	1.92E-03	2.10E-03	1.21E-03	1.18E-03	6.69E-02
1939	494361.06	3859351.99	0.01284	0.00746	0.00848	0.01535	0.00884	0.0344	0.0073	0.00746	6.16E-02	3.17E-04	2.03E-08	3.72E-04	1.91E-03	2.23E-03	1.19E-03	1.17E-03	6.65E-02
1940	494411.06	3859351.99	0.01274	0.00733	0.00829	0.01502	0.00876	0.03613	0.00718	0.00733	6.11E-02	3.12E-04	1.99E-08	3.64E-04	1.89E-03	2.34E-03	1.17E-03	1.15E-03	6.61E-02
1941	494461.06	3859351.99	0.01262	0.00722	0.00812	0.01473	0.00869	0.03762	0.00707	0.00722	6.06E-02	3.07E-04	1.95E-08	3.57E-04	1.87E-03	2.43E-03	1.15E-03	1.13E-03	6.56E-02
1942	494511.06	3859351.99	0.0125	0.00711	0.00797	0.01448	0.00863	0.03967	0.00698	0.00711	6.00E-02	3.03E-04	1.91E-08	3.51E-04	1.86E-03	2.57E-03	1.14E-03	1.11E-03	6.51E-02
1943	494561.06	3859351.99	0.01239	0.00703	0.00785	0.01428	0.00859	0.04291	0.00691	0.00703	5.95E-02	2.99E-04	1.88E-08	3.46E-04	1.85E-03	2.78E-03	1.13E-03	1.10E-03	6.48E-02
1944	494611.06	3859351.99	0.01227	0.00695	0.00772	0.01406	0.00854	0.04729	0.00682	0.00695	5.89E-02	2.96E-04	1.85E-08	3.41E-04	1.84E-03	3.06E-03	1.11E-03	1.09E-03	6.44E-02
1945	494661.06	3859351.99	0.01216	0.00685	0.00758	0.01382	0.00847	0.05413	0.00674	0.00685	5.84E-02	2.91E-04	1.82E-08	3.35E-04	1.83E-03	3.50E-03	1.10E-03	1.07E-03	6.43E-02
1946	494711.06	3859351.99	0.01204	0.00674	0.00739	0.01355	0.00838	0.06548	0.00663	0.00674	5.78E-02	2.87E-04	1.77E-08	3.28E-04	1.81E-03	4.24E-03	1.08E-03	1.06E-03	6.45E-02
1947	494761.06	3859351.99	0.01192	0.00659	0.0072	0.0132	0.00826	0.08828	0.00649	0.00659	5.72E-02	2.80E-04	1.73E-08	3.20E-04	1.78E-03	5.71E-03	1.06E-03	1.03E-03	6.53E-02
1948	494811.06	3859351.99	0.01178	0.00645	0.00699	0.01282	0.00806	0.15278	0.00637	0.00645	5.65E-02	2.74E-04	1.68E-08	3.11E-04	1.74E-03	9.89E-03	1.04E-03	1.01E-03	6.88E-02
1949	494861.06	3859351.99	0.01167	0.00638	0.00688	0.01264	0.008	0.27256	0.0063	0.00638	5.60E-02	2.71E-04	1.65E-08	3.06E-04	1.73E-03	1.76E-02	1.03E-03	9.99E-04	7.60E-02
1950	494911.06	3859351.99	0.01157	0.00632	0.0068	0.01251	0.00797	0.21127	0.00625	0.00632	5.55E-02	2.69E-04	1.63E-08	3.03E-04	1.72E-03	1.37E-02	1.02E-03	9.90E-04	7.15E-02
1951	494961.06	3859351.99	0.01145	0.00624	0.00668	0.01231	0.00789	0.14213	0.00617	0.00624	5.49E-02	2.66E-04	1.60E-08	2.98E-04	1.70E-03	9.20E-03	1.01E-03	9.78E-04	6.64E-02
1952	495011.06	3859351.99	0.01135	0.00618	0.00659	0.01216	0.00784	0.11022	0.00612	0.00618	5.45E-02	2.63E-04	1.58E-08	2.95E-04	1.69E-03	7.13E-03	9.99E-04	9.68E-04	6.39E-02
1953	495061.06	3859351.99	0.01128	0.00618	0.00658	0.01217	0.00791	0.09371	0.00611	0.00618	5.41E-02	2.63E-04	1.58E-08	2.95E-04	1.71E-03	6.06E-03	9.97E-04	9.68E-04	6.25E-02
1954	495111.06	3859351.99	0.01118	0.00611	0.00648	0.012	0.00785	0.08213	0.00605	0.00611	5.37E-02	2.60E-04	1.55E-08	2.91E-04	1.69E-03	5.31E-03	9.88E-04	9.57E-04	6.12E-02
1955	495161.06	3859351.99	0.01109	0.00607	0.00641	0.0119	0.00784	0.07444	0.00601	0.00607	5.32E-02	2.58E-04	1.54E-08	2.88E-04	1.69E-03	4.82E-03	9.81E-04	9.51E-04	6.03E-02
1956	495211.06	3859351.99	0.011	0.00603	0.00635	0.0118	0.00782	0.06872	0.00597	0.00603	5.28E-02	2.57E-04	1.52E-08	2.86E-04	1.69E-03	4.45E-03	9.74E-04	9.45E-04	5.95E-02
1957	495261.06	3859351.99	0.01092	0.006	0.0063	0.01173	0.00783	0.06446	0.00594	0.006	5.24E-02	2.55E-04	1.51E-08	2.84E-04	1.69E-03	4.17E-03	9.70E-04	9.40E-04	5.88E-02
1958	495311.06	3859351.99	0.01083	0.00594	0.00622	0.01159	0.00779	0.06082	0.00589	0.00594	5.20E-02	2.53E-04	1.49E-08	2.81E-04	1.68E-03	3.94E-03	9.61E-04	9.31E-04	5.82E-02
1959	495361.06	3859351.99	0.01074	0.0059	0.00616	0.0115	0.00777	0.05794	0.00585	0.0059	5.15E-02	2.51E-04	1.48E-08	2.79E-04	1.68E-03	3.75E-03	9.55E-04	9.24E-04	5.75E-02
1960	495411.06	3859351.99	0.01066	0.00587	0.00611	0.01143	0.00778	0.05556	0.00583	0.00587	5.12E-02	2.50E-04	1.47E-08	2.77E-04	1.68E-03	3.59E-03	9.52E-04	9.20E-04	5.70E-02
1961	495461.06	3859351.99	0.01059	0.00585	0.00608	0.01138	0.0078	0.05349	0.00581	0.00585	5.08E-02	2.49E-04	1.46E-08	2.76E-04	1.68E-03	3.46E-03	9.48E-04	9.16E-04	5.65E-02
1962	495511.06	3859351.99	0.01049	0.00578	0.00598	0.01121	0.00772	0.05146	0.00574	0.00578	5.03E-02	2.46E-04	1.43E-08	2.72E-04	1.67E-03	3.33E-03	9.37E-04	9.05E-04	5.59E-02
1963	495561.06	3859351.99	0.0104	0.00573	0.00591	0.01108	0.00767	0.04978	0.00569	0.00573	4.99E-02	2.44E-04	1.42E-08	2.68E-04	1.65E-03	3.22E-03	9.29E-04	8.98E-04	5.53E-02
1964	495611.06	3859351.99	0.01032	0.00569	0.00585	0.01098	0.00764	0.04818	0.00565	0.00569	4.95E-02	2.42E-04	1.40E-08	2.66E-04	1.65E-03	3.12E-03	9.22E-04	8.91E-04	5.48E-02
1965	495661.06	3859351.99	0.01022	0.00562	0.00576	0.01081	0.00756	0.04642	0.00559	0.00562	4.90E-02	2.39E-04	1.38E-08	2.62E-04	1.63E-03	3.00E-03	9.12E-04	8.80E-04	5.42E-02
1966	494311.06	3859401.99	0.01279	0.00776	0.00859	0.01578	0.00868	0.03683	0.00758	0.00776	6.14E-02	3.30E-04	2.06E-08	3.82E-04	1.87E-03	2.38E-03	1.24E-03	1.22E-03	6.64E-02
1967	494361.06	3859401.99	0.01269	0.00762	0.0084	0.01544	0.00862	0.0398	0.00745	0.00762	6.09E-02	3.24E-04	2.01E-08	3.74E-04	1.86E-03	2.58E-03	1.22E-03	1.19E-03	6.61E-02
1968	494411.06	3859401.99	0.0126	0.00749	0.0082	0.01509	0.00855	0.04279	0.00733	0.00749	6.05E-02	3.19E-04	1.97E-08	3.66E-04	1.84E-03	2.77E-03	1.20E-03	1.17E-03	6.58E-02
1969	494461.06	3859401.99	0.0125	0.00738	0.00805	0.01483	0.00849	0.04498	0.00723	0.00738	6.00E-02	3.14E-04	1.93E-08	3.59E-04	1.83E-03	2.91E-03	1.18E-03	1.16E-03	6.54E-02
1970	494511.06	3859401.99	0.01239	0.0073	0.00793	0.01463	0.00846	0.0478	0.00715	0.0073	5.95E-02	3.11E-04	1.90E-08	3.54E-04	1.82E-03	3.09E-03	1.17E-03	1.14E-03	6.51E-02
1971	494561.06	3859401.99	0.01228	0.00722	0.0078	0.01441	0.00842	0.05158	0.00707	0.00722	5.89E-02	3.07E-04	1.87E-08	3.49E-04	1.82E-03	3.34E-03	1.15E-03	1.13E-03	6.48E-02
1972	494611.06	3859401.99	0.01217	0.00711	0.00766	0.01416	0.00836	0.05676	0.00698	0.00711	5.84E-02	3.03E-04	1.84E-08	3.43E-04	1.80E-03	3.67E-03	1.14E-03	1.11E-03	6.45E-02
1973	494661.06	3859401.99	0.01206	0.00704	0.00754	0.01397	0.00833	0.06428	0.00691	0.00704	5.79E-02	3.00E-04	1.81E-08	3.38E-04	1.80E-03	4.16E-03	1.13E-03	1.10E-03	6.45E-02
1974	494711.06	3859401.99	0.01195	0.00694	0.00742	0.01375	0.00828	0.07575	0.00682	0.00694	5.73E-02	2.95E-04	1.78E-08	3.33E-04	1.79E-03	4.90E-03	1.11E-03	1.09E-03	6.47E-02
1975	494761.06	3859401.99	0.01183	0.00677	0.00719	0.01336	0.00815	0.09759	0.00666	0.00677	5.68E-02	2.88E-04	1.72E-08	3.24E-04	1.76E-03	6.31E-03	1.09E-03	1.06E-03	6.55E-02
1976	494811.06	3859401.99	0.01171	0.00668	0.00704	0.0131	0.00806	0.1571	0.00658	0.00668	5.62E-02	2.84E-04	1.69E-08	3.17E-04	1.74E-03	1.02E-02	1.07E-03	1.05E-03	6.87E-02
1977	494861.06	3859401.99	0.01159	0.00655	0.00687	0.01278	0.00793	0.27821	0.00646	0.00655	5.56E-02	2.79E-04	1.65E-08	3.10E-04	1.71E-03	1.80E-02	1.05E-03	1.03E-03	7.59E-02
1978	494911.06	3859401.99	0.01148	0.00645	0.00674	0.01255	0.00786	0.21731	0.00636	0.00645	5.51E-02	2.74E-04	1.62E-08	3.04E-04	1.70E-03	1.41E-02	1.04E-03	1.01E-03	7.15E-02
1979	494961.06	3859401.99	0.01138	0.00641	0.00666	0.01243	0.00783	0.14793	0.00632	0.00641	5.46E-02	2.73E-04	1.60E-08	3.01E-04	1.69E-03	9.57E-03	1.03E-03	1.00E-03	6.65E-02
1980	495011.06	3859401.99	0.01129	0.00636	0.00659	0.01233	0.00781	0.11522	0.00628	0.00636	5.42E-02	2.71E-04	1.58E-08	2.99E-04	1.68E-03	7.46E-03	1.03E-03	9.96E-04	6.39E-02
1981	495061.06	3859401.99	0.01121	0.0063	0.00653	0.01222	0.00782	0.09657	0.00623	0.0063	5.38E-02	2.68E-04	1.57E-08	2.96E-04	1.69E-03	6.25E-03	1.02E-03	9.87E-04	6.23E-02
1982	495111.06	3859401.99	0.01111	0.00623	0.00643	0.01205	0.00776	0.08356	0.00616	0.00623	5.33E-02	2.65E-04	1.54E-08	2.92E-04	1.67E-03	5.41E-03	1.01E-03	9.76E-04	6.10E-02
1983	495161.06	3859401.99	0.01101	0.00621	0.00638	0.01199	0.00776	0.07474	0.00615	0.00621	5.28E-02	2.64E-04	1.53E-08	2.90E-04	1.67E-03	4.84E-03	1.00E-03	9.73E-04	5.99E-02
1984	495211.06	3859401.99	0.01093	0.00619	0.00634	0.01193	0.00777	0.06825	0.00612	0.00619	5.25E-02	2.63E-04	1.52E-08	2.89E-04	1.68E-03	4.42E-03	9.99E-04	9.70E-04	5.91E-02
1985	495261.06	3859401.99	0.01085	0.00614	0.00627	0.01182	0.00775	0.06296	0.00608	0.00614	5.21E-02	2.61E-04	1.50E-08	2.86E-04	1.67E-03	4.07E-03	9.92E-04	9.62E-04	5.84E-02
1986	495311.06	3859401.99	0.01076	0.00609	0.00621	0.01171	0.00773	0.05868	0.00603	0.00609	5.16E-02	2.59E-04	1.49E-08	2.84E-04	1.67E-03	3.80E-03	9.84E-04	9.54E-04	5.77E-02
1987	495361.06	3859401.99	0.01068	0.00607	0.00617	0.01166	0.00775	0.05538	0.00601	0.00607	5.13E-02	2.58E-04	1.48E-08	2.82E-04	1.67E-03	3.58E-03	9.81E-04	9.51E-04	5.71E-02
1988	495411.06	3859401.99	0.0106	0.00604	0.00612	0.01158	0.00775	0.05245	0.00598	0.00604	5.09E-02	2.57E-04	1.47E-08	2.81E-04	1.67E-03	3.39E-03	9.76E-04	9.46E-04	5.65E-02
1989	495461.06	3859401.99	0.01051	0.00598	0.00605	0.01145	0.00771	0.04985	0.00593	0.00598	5.04E-02	2.54E-04	1.45E-08	2.77E-04	1.66E-03	3.23E-03	9.68E-04	9.37E-04	5.59E-02
1990	495511.06	3859401.99	0.01042	0.00591	0.00595	0.01129	0.00765	0.04756	0.00586	0.00591	5.00E-02	2.51E-04	1.43E-08	2.74E-04	1.65E-03	3.08E-03	9.57E-04	9.26E-04	5.53E-02
1991	495561.06	3859401.99	0.01032	0.00584	0.00586	0.0111	0.00756	0.04549	0.00579	0.00584	4.95E-02	2.48E-04	1.41E-08	2.69E-04	1.63E-03	2.94E-03	9.45E-04	9.15E-04	5.46E-02

1992	495611.06	3859401.99	0.01024	0.00579	0.00579	0.01099	0.00753	0.04369	0.00575	0.00579
1993	495661.06	3859401.99	0.01016	0.00575	0.00573	0.01089	0.0075	0.04202	0.00571	0.00575
1994	494311.06	3859451.99	0.01263	0.00792	0.00847	0.01582	0.00844	0.04302	0.00773	0.00792
1995	494361.06	3859451.99	0.01253	0.00779	0.00829	0.0155	0.00839	0.04899	0.00761	0.00779
1996	494411.06	3859451.99	0.01245	0.00762	0.00807	0.01508	0.00831	0.05518	0.00745	0.00762
1997	494461.06	3859451.99	0.01234	0.00755	0.00796	0.0149	0.00829	0.06074	0.00739	0.00755
1998	494511.06	3859451.99	0.01225	0.00744	0.00782	0.01464	0.00824	0.06593	0.00729	0.00744
1999	494561.06	3859451.99	0.01215	0.00736	0.0077	0.01443	0.00821	0.07329	0.00721	0.00736
2000	494611.06	3859451.99	0.01205	0.0073	0.00761	0.01428	0.0082	0.08258	0.00715	0.0073
2001	494661.06	3859451.99	0.01194	0.00719	0.00746	0.01402	0.00814	0.09147	0.00705	0.00719
2002	494711.06	3859451.99	0.01183	0.00709	0.00732	0.01376	0.00808	0.10315	0.00695	0.00709
2003	494761.06	3859451.99	0.01172	0.007	0.0072	0.01354	0.00804	0.12436	0.00687	0.007
2004	494811.06	3859451.99	0.01161	0.00687	0.00704	0.01324	0.00795	0.18106	0.00675	0.00687
2005	494861.06	3859451.99	0.0115	0.00676	0.00688	0.01298	0.00787	0.22557	0.00665	0.00676
2006	494911.06	3859451.99	0.0114	0.00667	0.00677	0.01279	0.00782	0.23677	0.00657	0.00667
2007	494961.06	3859451.99	0.0113	0.00662	0.00669	0.01265	0.0078	0.16382	0.00652	0.00662
2008	495011.06	3859451.99	0.0112	0.00655	0.0066	0.0125	0.00777	0.12624	0.00646	0.00655
2009	495061.06	3859451.99	0.01111	0.00649	0.00651	0.01235	0.00773	0.10337	0.0064	0.00649
2010	495111.06	3859451.99	0.01101	0.00642	0.00643	0.0122	0.0077	0.08787	0.00634	0.00642
2011	495161.06	3859451.99	0.01093	0.00638	0.00637	0.01211	0.00769	0.07719	0.0063	0.00638
2012	495211.06	3859451.99	0.01084	0.00635	0.00633	0.01204	0.0077	0.06929	0.00627	0.00635
2013	495261.06	3859451.99	0.01076	0.00631	0.00628	0.01196	0.0077	0.0631	0.00624	0.00631
2014	495311.06	3859451.99	0.01067	0.00626	0.00621	0.01184	0.00768	0.05799	0.00619	0.00626
2015	495361.06	3859451.99	0.01059	0.00622	0.00615	0.01174	0.00767	0.05387	0.00615	0.00622
2016	495411.06	3859451.99	0.01051	0.00617	0.00608	0.01162	0.00764	0.05041	0.0061	0.00617
2017	495461.06	3859451.99	0.01042	0.00612	0.00602	0.01152	0.00762	0.04761	0.00606	0.00612
2018	495511.06	3859451.99	0.01033	0.00604	0.00592	0.01134	0.00755	0.04501	0.00598	0.00604
2019	495561.06	3859451.99	0.01025	0.00599	0.00585	0.01121	0.00751	0.04285	0.00593	0.00599
2020	495611.06	3859451.99	0.01016	0.00593	0.00578	0.01108	0.00748	0.04092	0.00588	0.00593
2021	495661.06	3859451.99	0.01008	0.00589	0.00571	0.01097	0.00744	0.0392	0.00583	0.00589
2022	494311.06	3859501.99	0.01245	0.0081	0.00835	0.0159	0.0082	0.05104	0.00791	0.0081
2023	494361.06	3859501.99	0.01236	0.00797	0.00818	0.01556	0.00816	0.06464	0.00778	0.00797
2024	494411.06	3859501.99	0.01229	0.00775	0.00792	0.01505	0.00807	0.08384	0.00758	0.00775
2025	494461.06	3859501.99	0.01218	0.00773	0.00788	0.01498	0.00809	0.10663	0.00756	0.00773
2026	494511.06	3859501.99	0.01208	0.00761	0.00773	0.01469	0.00804	0.12743	0.00744	0.00761
2027	494561.06	3859501.99	0.01199	0.00751	0.00759	0.01444	0.00801	0.15194	0.00735	0.00751
2028	494611.06	3859501.99	0.01188	0.00749	0.00756	0.01439	0.00803	0.1766	0.00733	0.00749
2029	494661.06	3859501.99	0.01179	0.00737	0.0074	0.0141	0.00797	0.18948	0.00721	0.00737
2030	494711.06	3859501.99	0.01171	0.00722	0.00723	0.01376	0.00789	0.19859	0.00708	0.00722
2031	494761.06	3859501.99	0.01161	0.00718	0.00716	0.01365	0.00789	0.21844	0.00704	0.00718
2032	494811.06	3859501.99	0.01149	0.00701	0.00696	0.01326	0.00778	0.25705	0.00688	0.00701
2033	494861.06	3859501.99	0.01139	0.00693	0.00686	0.01307	0.00774	0.2886	0.00681	0.00693
2034	494911.06	3859501.99	0.01129	0.00687	0.00678	0.01294	0.00773	0.28251	0.00676	0.00687
2035	494961.06	3859501.99	0.01119	0.00678	0.00667	0.01272	0.00768	0.18756	0.00667	0.00678
2036	495011.06	3859501.99	0.0111	0.00673	0.0066	0.0126	0.00766	0.13809	0.00662	0.00673
2037	495061.06	3859501.99	0.01101	0.00668	0.00653	0.01249	0.00765	0.10884	0.00657	0.00668
2038	495111.06	3859501.99	0.01091	0.00659	0.0064	0.01229	0.0076	0.08943	0.00649	0.00659
2039	495161.06	3859501.99	0.01082	0.00654	0.00634	0.01219	0.00759	0.07684	0.00645	0.00654
2040	495211.06	3859501.99	0.01074	0.00651	0.0063	0.01212	0.0076	0.06794	0.00642	0.00651
2041	495261.06	3859501.99	0.01065	0.00647	0.00624	0.01202	0.00759	0.06108	0.00638	0.00647
2042	495311.06	3859501.99	0.01057	0.00643	0.00619	0.01194	0.00759	0.05582	0.00634	0.00643
2043	495361.06	3859501.99	0.01049	0.00637	0.00612	0.01182	0.00757	0.05155	0.00629	0.00637
2044	495411.06	3859501.99	0.0104	0.00633	0.00606	0.01172	0.00756	0.04814	0.00625	0.00633
2045	495461.06	3859501.99	0.01032	0.00627	0.006	0.01159	0.00753	0.0453	0.0062	0.00627
2046	495511.06	3859501.99	0.01023	0.00616	0.00587	0.01135	0.00745	0.04258	0.00609	0.00616
2047	495561.06	3859501.99	0.01015	0.00614	0.00583	0.01129	0.00744	0.04063	0.00607	0.00614
2048	495611.06	3859501.99	0.01007	0.00608	0.00576	0.01115	0.00741	0.03872	0.00602	0.00608

4.91E-02	2.46E-04	1.39E-08	2.66E-04	1.62E-03	2.83E-03	9.39E-04	9.07E-04	5.41E-02
4.88E-02	2.45E-04	1.37E-08	2.64E-04	1.62E-03	2.72E-03	9.32E-04	9.01E-04	5.36E-02
6.06E-02	3.37E-04	2.03E-08	3.83E-04	1.82E-03	2.78E-03	1.26E-03	1.24E-03	6.60E-02
6.01E-02	3.31E-04	1.99E-08	3.76E-04	1.81E-03	3.17E-03	1.24E-03	1.22E-03	6.58E-02
5.97E-02	3.24E-04	1.94E-08	3.65E-04	1.79E-03	3.57E-03	1.22E-03	1.19E-03	6.58E-02
5.92E-02	3.21E-04	1.91E-08	3.61E-04	1.79E-03	3.93E-03	1.21E-03	1.18E-03	6.56E-02
5.88E-02	3.17E-04	1.88E-08	3.55E-04	1.78E-03	4.27E-03	1.19E-03	1.17E-03	6.55E-02
5.83E-02	3.13E-04	1.85E-08	3.50E-04	1.77E-03	4.74E-03	1.18E-03	1.15E-03	6.55E-02
5.78E-02	3.11E-04	1.83E-08	3.46E-04	1.77E-03	5.34E-03	1.17E-03	1.14E-03	6.56E-02
5.73E-02	3.06E-04	1.79E-08	3.40E-04	1.76E-03	5.92E-03	1.15E-03	1.13E-03	6.56E-02
5.68E-02	3.02E-04	1.76E-08	3.33E-04	1.74E-03	6.67E-03	1.13E-03	1.11E-03	6.58E-02
5.62E-02	2.98E-04	1.73E-08	3.28E-04	1.73E-03	8.05E-03	1.12E-03	1.10E-03	6.67E-02
5.57E-02	2.92E-04	1.69E-08	3.21E-04	1.71E-03	1.17E-02	1.10E-03	1.08E-03	6.98E-02
5.52E-02	2.88E-04	1.65E-08	3.14E-04	1.70E-03	1.46E-02	1.09E-03	1.06E-03	7.21E-02
5.47E-02	2.84E-04	1.62E-08	3.10E-04	1.69E-03	1.53E-02	1.07E-03	1.04E-03	7.23E-02
5.42E-02	2.82E-04	1.60E-08	3.06E-04	1.68E-03	1.06E-02	1.06E-03	1.04E-03	6.71E-02
5.37E-02	2.79E-04	1.58E-08	3.03E-04	1.68E-03	8.17E-03	1.05E-03	1.03E-03	6.42E-02
5.33E-02	2.76E-04	1.56E-08	2.99E-04	1.67E-03	6.69E-03	1.04E-03	1.02E-03	6.23E-02
5.28E-02	2.73E-04	1.54E-08	2.96E-04	1.66E-03	5.69E-03	1.03E-03	1.01E-03	6.08E-02
5.25E-02	2.71E-04	1.53E-08	2.93E-04	1.66E-03	4.99E-03	1.03E-03	9.99E-04	5.97E-02
5.20E-02	2.70E-04	1.52E-08	2.92E-04	1.66E-03	4.48E-03	1.02E-03	9.95E-04	5.88E-02
5.16E-02	2.68E-04	1.51E-08	2.90E-04	1.66E-03	4.08E-03	1.02E-03	9.88E-04	5.80E-02
5.12E-02	2.66E-04	1.49E-08	2.87E-04	1.66E-03	3.75E-03	1.01E-03	9.81E-04	5.72E-02
5.08E-02	2.65E-04	1.47E-08	2.84E-04	1.65E-03	3.49E-03	1.00E-03	9.74E-04	5.65E-02
5.04E-02	2.63E-04	1.46E-08	2.82E-04	1.65E-03	3.26E-03	9.96E-04	9.67E-04	5.59E-02
5.00E-02	2.60E-04	1.44E-08	2.79E-04	1.64E-03	3.08E-03	9.89E-04	9.59E-04	5.53E-02
4.96E-02	2.57E-04	1.42E-08	2.75E-04	1.63E-03	2.91E-03	9.76E-04	9.46E-04	5.47E-02
4.92E-02	2.55E-04	1.40E-08	2.72E-04	1.62E-03	2.77E-03	9.68E-04	9.38E-04	5.41E-02
4.88E-02	2.52E-04	1.39E-08	2.68E-04	1.61E-03	2.65E-03	9.60E-04	9.29E-04	5.36E-02
4.84E-02	2.51E-04	1.37E-08	2.66E-04	1.60E-03	2.54E-03	9.52E-04	9.23E-04	5.31E-02
5.97E-02	3.45E-04	2.00E-08	3.85E-04	1.77E-03	3.30E-03	1.29E-03	1.27E-03	6.56E-02
5.93E-02	3.39E-04	1.96E-08	3.77E-04	1.76E-03	4.18E-03	1.27E-03	1.25E-03	6.60E-02
5.90E-02	3.30E-04	1.90E-08	3.65E-04	1.74E-03	5.42E-03	1.24E-03	1.21E-03	6.69E-02
5.85E-02	3.29E-04	1.89E-08	3.63E-04	1.74E-03	6.90E-03	1.23E-03	1.21E-03	6.78E-02
5.80E-02	3.24E-04	1.85E-08	3.56E-04	1.73E-03	8.25E-03	1.21E-03	1.19E-03	6.87E-02
5.75E-02	3.20E-04	1.82E-08	3.50E-04	1.73E-03	9.83E-03	1.20E-03	1.18E-03	6.98E-02
5.70E-02	3.19E-04	1.81E-08	3.49E-04	1.73E-03	1.14E-02	1.20E-03	1.17E-03	7.09E-02
5.66E-02	3.14E-04	1.77E-08	3.42E-04	1.72E-03	1.23E-02	1.18E-03	1.15E-03	7.12E-02
5.62E-02	3.07E-04	1.73E-08	3.33E-04	1.70E-03	1.28E-02	1.16E-03	1.13E-03	7.14E-02
5.57E-02	3.05E-04	1.72E-08	3.31E-04	1.70E-03	1.41E-02	1.15E-03	1.12E-03	7.22E-02
5.51E-02	2.98E-04	1.67E-08	3.21E-04	1.68E-03	1.66E-02	1.12E-03	1.10E-03	7.41E-02
5.47E-02	2.95E-04	1.65E-08	3.17E-04	1.67E-03	1.87E-02	1.11E-03	1.09E-03	7.56E-02
5.42E-02	2.92E-04	1.63E-08	3.13E-04	1.67E-03	1.83E-02	1.10E-03	1.08E-03	7.48E-02
5.37E-02	2.88E-04	1.60E-08	3.08E-04	1.66E-03	1.21E-02	1.09E-03	1.06E-03	6.81E-02
5.33E-02	2.86E-04	1.58E-08	3.05E-04	1.65E-03	8.93E-03	1.08E-03	1.05E-03	6.45E-02
5.28E-02	2.84E-04	1.57E-08	3.03E-04	1.65E-03	7.04E-03	1.07E-03	1.05E-03	6.21E-02
5.24E-02	2.80E-04	1.53E-08	2.98E-04	1.64E-03	5.79E-03	1.06E-03	1.03E-03	6.04E-02
5.19E-02	2.78E-04	1.52E-08	2.95E-04	1.64E-03	4.97E-03	1.05E-03	1.02E-03	5.91E-02
5.15E-02	2.77E-04	1.51E-08	2.94E-04	1.64E-03	4.40E-03	1.05E-03	1.02E-03	5.82E-02
5.11E-02	2.75E-04	1.50E-08	2.91E-04	1.64E-03	3.95E-03	1.04E-03	1.01E-03	5.73E-02
5.07E-02	2.74E-04	1.48E-08	2.89E-04	1.64E-03	3.61E-03	1.03E-03	1.01E-03	5.66E-02
5.03E-02	2.71E-04	1.47E-08	2.86E-04	1.63E-03	3.34E-03	1.03E-03	9.98E-04	5.59E-02
4.99E-02	2.69E-04	1.45E-08	2.84E-04	1.63E-03	3.11E-03	1.02E-03	9.92E-04	5.52E-02
4.95E-02	2.67E-04	1.44E-08	2.81E-04	1.62E-03	2.93E-03	1.01E-03	9.82E-04	5.47E-02
4.91E-02	2.62E-04	1.41E-08	2.75E-04	1.61E-03	2.76E-03	9.94E-04	9.65E-04	5.40E-02
4.87E-02	2.61E-04	1.40E-08	2.74E-04	1.60E-03	2.63E-03	9.91E-04	9.62E-04	5.35E-02
4.83E-02	2.59E-04	1.38E-08	2.70E-04	1.60E-03	2.51E-03	9.83E-04	9.52E-04	5.30E-02

2049	495661.06	3859501.99	0.00998	0.00602	0.00568	0.01101	0.00736	0.03701	0.00596	0.00602
2050	494311.06	3859551.99	0.01227	0.00828	0.00822	0.01592	0.00796	0.05785	0.00808	0.00828
2051	494361.06	3859551.99	0.01219	0.00809	0.00802	0.01552	0.00793	0.08151	0.00789	0.00809
2052	494411.06	3859551.99	0.01212	0.00788	0.00778	0.015	0.00785	0.14539	0.0077	0.00788
2053	494461.06	3859551.99	0.012	0.0079	0.00777	0.015	0.00787	0.28679	0.00772	0.0079
2054	494511.06	3859551.99	0.01191	0.00778	0.00762	0.01472	0.00784	0.63613	0.00761	0.00778
2055	494561.06	3859551.99	0.01182	0.00768	0.00751	0.01449	0.00781	0.62802	0.00751	0.00768
2056	494611.06	3859551.99	0.01171	0.00762	0.00743	0.01434	0.0078	0.63806	0.00746	0.00762
2057	494661.06	3859551.99	0.01162	0.00754	0.00733	0.01414	0.00778	0.62998	0.00738	0.00754
2058	494711.06	3859551.99	0.01155	0.00733	0.00709	0.01367	0.00767	0.62459	0.00718	0.00733
2059	494761.06	3859551.99	0.01144	0.00735	0.00709	0.01369	0.00772	0.66383	0.0072	0.00735
2060	494811.06	3859551.99	0.01136	0.0072	0.00692	0.01334	0.00764	0.65852	0.00706	0.0072
2061	494861.06	3859551.99	0.01127	0.00712	0.00682	0.01316	0.00761	0.55072	0.00698	0.00712
2062	494911.06	3859551.99	0.01116	0.00703	0.00672	0.01296	0.00757	0.28391	0.0069	0.00703
2063	494961.06	3859551.99	0.01107	0.00698	0.00665	0.01283	0.00756	0.17171	0.00685	0.00698
2064	495011.06	3859551.99	0.01098	0.00693	0.00659	0.01273	0.00756	0.12391	0.00681	0.00693
2065	495061.06	3859551.99	0.01089	0.00686	0.00651	0.01258	0.00753	0.09776	0.00674	0.00686
2066	495111.06	3859551.99	0.01079	0.00678	0.00641	0.0124	0.00749	0.08134	0.00667	0.00678
2067	495161.06	3859551.99	0.01071	0.00673	0.00636	0.0123	0.00749	0.07057	0.00663	0.00673
2068	495211.06	3859551.99	0.01063	0.0067	0.00632	0.01224	0.0075	0.06287	0.0066	0.0067
2069	495261.06	3859551.99	0.01054	0.00663	0.00624	0.01209	0.00747	0.0568	0.00653	0.00663
2070	495311.06	3859551.99	0.01045	0.00658	0.00617	0.01196	0.00746	0.05213	0.00648	0.00658
2071	495361.06	3859551.99	0.01037	0.00653	0.00611	0.01186	0.00745	0.04846	0.00644	0.00653
2072	495411.06	3859551.99	0.01029	0.00649	0.00606	0.01178	0.00744	0.04553	0.0064	0.00649
2073	495461.06	3859551.99	0.01021	0.00641	0.00597	0.0116	0.0074	0.04287	0.00632	0.00641
2074	495511.06	3859551.99	0.01012	0.00633	0.00586	0.01142	0.00735	0.04054	0.00625	0.00633
2075	495561.06	3859551.99	0.01004	0.00628	0.0058	0.01131	0.00733	0.03863	0.0062	0.00628
2076	495611.06	3859551.99	0.00996	0.00622	0.00573	0.01119	0.0073	0.03692	0.00615	0.00622
2077	495661.06	3859551.99	0.00988	0.00616	0.00566	0.01104	0.00726	0.03535	0.00609	0.00616
2078	494311.06	3859601.99	0.01207	0.00848	0.00809	0.01597	0.00773	0.06191	0.00827	0.00848
2079	494361.06	3859601.99	0.01202	0.00822	0.00783	0.01539	0.00767	0.08819	0.00802	0.00822
2080	494411.06	3859601.99	0.01194	0.00808	0.00767	0.01505	0.00763	0.15883	0.00789	0.00808
2081	494461.06	3859601.99	0.01181	0.00807	0.00765	0.01501	0.00766	0.29839	0.00789	0.00807
2082	494511.06	3859601.99	0.01174	0.00791	0.00747	0.01464	0.00761	0.25772	0.00773	0.00791
2083	494561.06	3859601.99	0.01163	0.00788	0.00743	0.01455	0.00762	0.20812	0.0077	0.00788
2084	494611.06	3859601.99	0.01152	0.00783	0.00737	0.01441	0.00762	0.18845	0.00765	0.00783
2085	494661.06	3859601.99	0.01145	0.00764	0.00718	0.01402	0.00756	0.18227	0.00747	0.00764
2086	494711.06	3859601.99	0.01138	0.0075	0.00701	0.01369	0.0075	0.17657	0.00735	0.0075
2087	494761.06	3859601.99	0.01126	0.00755	0.00706	0.01378	0.00756	0.1679	0.00739	0.00755
2088	494811.06	3859601.99	0.01119	0.00739	0.00688	0.01343	0.00749	0.16182	0.00724	0.00739
2089	494861.06	3859601.99	0.0111	0.00732	0.0068	0.01326	0.00747	0.14268	0.00717	0.00732
2090	494911.06	3859601.99	0.01102	0.0072	0.00666	0.013	0.00742	0.12116	0.00706	0.0072
2091	494961.06	3859601.99	0.01092	0.00719	0.00665	0.01298	0.00745	0.10307	0.00705	0.00719
2092	495011.06	3859601.99	0.01084	0.00707	0.00652	0.01271	0.00739	0.08851	0.00694	0.00707
2093	495061.06	3859601.99	0.01075	0.00704	0.00648	0.01264	0.0074	0.0772	0.00691	0.00704
2094	495111.06	3859601.99	0.01067	0.00695	0.00638	0.01244	0.00736	0.06825	0.00683	0.00695
2095	495161.06	3859601.99	0.01058	0.00691	0.00633	0.01236	0.00736	0.06152	0.00679	0.00691
2096	495211.06	3859601.99	0.0105	0.00685	0.00627	0.01223	0.00735	0.05612	0.00674	0.00685
2097	495261.06	3859601.99	0.01042	0.00681	0.00621	0.01213	0.00735	0.05182	0.00669	0.00681
2098	495311.06	3859601.99	0.01034	0.00677	0.00616	0.01204	0.00734	0.04834	0.00666	0.00677
2099	495361.06	3859601.99	0.01025	0.00671	0.00609	0.01191	0.00733	0.0454	0.0066	0.00671
2100	495411.06	3859601.99	0.01017	0.00667	0.00604	0.01181	0.00732	0.04298	0.00656	0.00667
2101	495461.06	3859601.99	0.01009	0.00657	0.00594	0.01161	0.00727	0.04065	0.00647	0.00657
2102	495511.06	3859601.99	0.01	0.00647	0.00584	0.01142	0.00722	0.0386	0.00638	0.00647
2103	495561.06	3859601.99	0.00993	0.00645	0.00581	0.01136	0.00723	0.03703	0.00636	0.00645
2104	495611.06	3859601.99	0.00985	0.00635	0.0057	0.01116	0.00717	0.03533	0.00627	0.00635
2105	495661.06	3859601.99	0.00977	0.00631	0.00566	0.01107	0.00716	0.03402	0.00623	0.00631

4.79E-02	2.56E-04	1.36E-08	2.67E-04	1.59E-03	2.39E-03	9.73E-04	9.43E-04	5.24E-02
5.89E-02	3.52E-04	1.97E-08	3.86E-04	1.72E-03	3.74E-03	1.32E-03	1.30E-03	6.51E-02
5.85E-02	3.44E-04	1.92E-08	3.76E-04	1.71E-03	5.27E-03	1.29E-03	1.27E-03	6.62E-02
5.82E-02	3.35E-04	1.87E-08	3.63E-04	1.69E-03	9.41E-03	1.26E-03	1.23E-03	7.00E-02
5.76E-02	3.36E-04	1.86E-08	3.63E-04	1.70E-03	1.86E-02	1.26E-03	1.24E-03	7.86E-02
5.72E-02	3.31E-04	1.83E-08	3.57E-04	1.69E-03	4.12E-02	1.24E-03	1.22E-03	1.01E-01
5.67E-02	3.27E-04	1.80E-08	3.51E-04	1.68E-03	4.06E-02	1.23E-03	1.20E-03	9.97E-02
5.62E-02	3.24E-04	1.78E-08	3.47E-04	1.68E-03	4.13E-02	1.22E-03	1.19E-03	9.99E-02
5.58E-02	3.21E-04	1.76E-08	3.43E-04	1.68E-03	4.08E-02	1.20E-03	1.18E-03	9.89E-02
5.54E-02	3.12E-04	1.70E-08	3.31E-04	1.65E-03	4.04E-02	1.17E-03	1.15E-03	9.82E-02
5.49E-02	3.13E-04	1.70E-08	3.32E-04	1.67E-03	4.30E-02	1.18E-03	1.15E-03	1.00E-01
5.45E-02	3.06E-04	1.66E-08	3.23E-04	1.65E-03	4.26E-02	1.15E-03	1.13E-03	9.94E-02
5.41E-02	3.03E-04	1.64E-08	3.19E-04	1.64E-03	3.56E-02	1.14E-03	1.12E-03	9.20E-02
5.36E-02	2.99E-04	1.61E-08	3.14E-04	1.63E-03	1.84E-02	1.13E-03	1.10E-03	7.42E-02
5.31E-02	2.97E-04	1.59E-08	3.11E-04	1.63E-03	1.11E-02	1.12E-03	1.09E-03	6.65E-02
5.27E-02	2.95E-04	1.58E-08	3.08E-04	1.63E-03	8.02E-03	1.11E-03	1.09E-03	6.30E-02
5.23E-02	2.92E-04	1.56E-08	3.05E-04	1.62E-03	6.33E-03	1.10E-03	1.07E-03	6.08E-02
5.18E-02	2.88E-04	1.54E-08	3.00E-04	1.62E-03	5.26E-03	1.09E-03	1.06E-03	5.93E-02
5.14E-02	2.86E-04	1.53E-08	2.98E-04	1.62E-03	4.57E-03	1.08E-03	1.05E-03	5.82E-02
5.10E-02	2.85E-04	1.52E-08	2.97E-04	1.62E-03	4.07E-03	1.08E-03	1.05E-03	5.73E-02
5.06E-02	2.82E-04	1.50E-08	2.93E-04	1.61E-03	3.68E-03	1.07E-03	1.04E-03	5.65E-02
5.01E-02	2.80E-04	1.48E-08	2.90E-04	1.61E-03	3.37E-03	1.06E-03	1.03E-03	5.57E-02
4.98E-02	2.78E-04	1.47E-08	2.87E-04	1.61E-03	3.14E-03	1.05E-03	1.02E-03	5.51E-02
4.94E-02	2.76E-04	1.45E-08	2.85E-04	1.60E-03	2.95E-03	1.04E-03	1.02E-03	5.45E-02
4.90E-02	2.73E-04	1.43E-08	2.81E-04	1.60E-03	2.77E-03	1.03E-03	1.00E-03	5.39E-02
4.86E-02	2.69E-04	1.41E-08	2.77E-04	1.59E-03	2.62E-03	1.02E-03	9.92E-04	5.33E-02
4.82E-02	2.67E-04	1.39E-08	2.74E-04	1.58E-03	2.50E-03	1.01E-03	9.84E-04	5.28E-02
4.78E-02	2.65E-04	1.37E-08	2.71E-04	1.57E-03	2.39E-03	1.00E-03	9.74E-04	5.23E-02
4.74E-02	2.62E-04	1.36E-08	2.67E-04	1.57E-03	2.29E-03	9.94E-04	9.65E-04	5.18E-02
5.79E-02	3.61E-04	1.94E-08	3.87E-04	1.67E-03	4.01E-03	1.35E-03	1.33E-03	6.44E-02
5.77E-02	3.50E-04	1.88E-08	3.73E-04	1.65E-03	5.71E-03	1.31E-03	1.29E-03	6.58E-02
5.73E-02	3.44E-04	1.84E-08	3.65E-04	1.65E-03	1.03E-02	1.29E-03	1.27E-03	7.00E-02
5.67E-02	3.43E-04	1.83E-08	3.64E-04	1.65E-03	1.93E-02	1.29E-03	1.26E-03	7.84E-02
5.63E-02	3.37E-04	1.79E-08	3.55E-04	1.64E-03	1.67E-02	1.26E-03	1.24E-03	7.54E-02
5.58E-02	3.35E-04	1.78E-08	3.53E-04	1.64E-03	1.35E-02	1.26E-03	1.23E-03	7.16E-02
5.53E-02	3.33E-04	1.77E-08	3.49E-04	1.64E-03	1.22E-02	1.25E-03	1.23E-03	6.98E-02
5.49E-02	3.25E-04	1.72E-08	3.40E-04	1.63E-03	1.18E-02	1.22E-03	1.20E-03	6.91E-02
5.46E-02	3.19E-04	1.68E-08	3.32E-04	1.62E-03	1.14E-02	1.20E-03	1.17E-03	6.83E-02
5.40E-02	3.21E-04	1.69E-08	3.34E-04	1.63E-03	1.09E-02	1.21E-03	1.18E-03	6.72E-02
5.37E-02	3.14E-04	1.65E-08	3.25E-04	1.62E-03	1.05E-02	1.18E-03	1.16E-03	6.64E-02
5.33E-02	3.11E-04	1.63E-08	3.21E-04	1.61E-03	9.23E-03	1.17E-03	1.15E-03	6.48E-02
5.29E-02	3.06E-04	1.60E-08	3.15E-04	1.60E-03	7.84E-03	1.15E-03	1.13E-03	6.30E-02
5.24E-02	3.06E-04	1.59E-08	3.14E-04	1.61E-03	6.67E-03	1.15E-03	1.13E-03	6.13E-02
5.20E-02	3.01E-04	1.56E-08	3.08E-04	1.59E-03	5.73E-03	1.13E-03	1.11E-03	6.00E-02
5.16E-02	3.00E-04	1.55E-08	3.06E-04	1.60E-03	5.00E-03	1.13E-03	1.10E-03	5.88E-02
5.12E-02	2.96E-04	1.53E-08	3.01E-04	1.59E-03	4.42E-03	1.11E-03	1.09E-03	5.78E-02
5.08E-02	2.94E-04	1.52E-08	2.99E-04	1.59E-03	3.98E-03	1.11E-03	1.08E-03	5.70E-02
5.04E-02	2.91E-04	1.50E-08	2.96E-04	1.59E-03	3.63E-03	1.10E-03	1.07E-03	5.62E-02
5.00E-02	2.90E-04	1.49E-08	2.94E-04	1.59E-03	3.35E-03	1.09E-03	1.07E-03	5.56E-02
4.96E-02	2.88E-04	1.48E-08	2.92E-04	1.58E-03	3.13E-03	1.09E-03	1.06E-03	5.49E-02
4.92E-02	2.86E-04	1.46E-08	2.89E-04	1.58E-03	2.94E-03	1.08E-03	1.05E-03	5.43E-02
4.88E-02	2.84E-04	1.45E-08	2.86E-04	1.58E-03	2.78E-03	1.07E-03	1.04E-03	5.38E-02
4.84E-02	2.80E-04	1.42E-08	2.81E-04	1.57E-03	2.63E-03	1.06E-03	1.03E-03	5.32E-02
4.80E-02	2.75E-04	1.40E-08	2.77E-04	1.56E-03	2.50E-03	1.04E-03	1.01E-03	5.26E-02
4.77E-02	2.74E-04	1.39E-08	2.75E-04	1.56E-03	2.40E-03	1.04E-03	1.01E-03	5.22E-02
4.73E-02	2.70E-04	1.37E-08	2.70E-04	1.55E-03	2.29E-03	1.02E-03	9.95E-04	5.17E-02
4.69E-02	2.68E-04	1.36E-08	2.68E-04	1.54E-03	2.20E-03	1.02E-03	9.88E-04	5.12E-02

2106	494311.06	3859651.99	0.01189	0.00862	0.00789	0.01584	0.00747	0.06288	0.00841	0.00862	5.71E-02	3.67E-04	1.89E-08	3.84E-04	1.61E-03	4.07E-03	1.37E-03	1.35E-03	6.35E-02
2107	494361.06	3859651.99	0.01183	0.00837	0.00766	0.01532	0.00743	0.08757	0.00818	0.00837	5.68E-02	3.56E-04	1.84E-08	3.71E-04	1.60E-03	5.67E-03	1.34E-03	1.31E-03	6.48E-02
2108	494411.06	3859651.99	0.01174	0.00827	0.00755	0.01508	0.00742	0.15375	0.00808	0.00827	5.63E-02	3.52E-04	1.81E-08	3.65E-04	1.60E-03	9.95E-03	1.32E-03	1.30E-03	6.86E-02
2109	494461.06	3859651.99	0.01161	0.00826	0.00753	0.01502	0.00744	0.28176	0.00807	0.00826	5.57E-02	3.51E-04	1.81E-08	3.64E-04	1.60E-03	1.82E-02	1.32E-03	1.29E-03	7.63E-02
2110	494511.06	3859651.99	0.01152	0.00815	0.00742	0.01477	0.00743	0.22295	0.00796	0.00815	5.53E-02	3.47E-04	1.78E-08	3.58E-04	1.60E-03	1.44E-02	1.30E-03	1.28E-03	7.20E-02
2111	494561.06	3859651.99	0.01142	0.00808	0.00735	0.01459	0.00743	0.15723	0.00789	0.00808	5.48E-02	3.44E-04	1.76E-08	3.53E-04	1.60E-03	1.02E-02	1.29E-03	1.27E-03	6.73E-02
2112	494611.06	3859651.99	0.01133	0.008	0.00727	0.01441	0.00742	0.12778	0.00782	0.008	5.44E-02	3.40E-04	1.74E-08	3.49E-04	1.60E-03	8.27E-03	1.28E-03	1.25E-03	6.50E-02
2113	494661.06	3859651.99	0.01126	0.00778	0.00706	0.01398	0.00736	0.11144	0.00761	0.00778	5.40E-02	3.31E-04	1.69E-08	3.39E-04	1.59E-03	7.21E-03	1.24E-03	1.22E-03	6.35E-02
2114	494711.06	3859651.99	0.01117	0.00771	0.00699	0.01382	0.00736	0.10235	0.00755	0.00771	5.36E-02	3.28E-04	1.68E-08	3.35E-04	1.59E-03	6.62E-03	1.23E-03	1.21E-03	6.25E-02
2115	494761.06	3859651.99	0.01108	0.00769	0.00694	0.01371	0.00735	0.09586	0.00753	0.00769	5.32E-02	3.27E-04	1.66E-08	3.32E-04	1.59E-03	6.20E-03	1.23E-03	1.20E-03	6.16E-02
2116	494811.06	3859651.99	0.011	0.00758	0.00682	0.01346	0.00732	0.08942	0.00742	0.00758	5.28E-02	3.23E-04	1.64E-08	3.26E-04	1.58E-03	5.79E-03	1.21E-03	1.19E-03	6.08E-02
2117	494861.06	3859651.99	0.01091	0.00751	0.00675	0.01332	0.00731	0.08261	0.00736	0.00751	5.24E-02	3.20E-04	1.62E-08	3.23E-04	1.58E-03	5.35E-03	1.20E-03	1.18E-03	5.99E-02
2118	494911.06	3859651.99	0.01082	0.00743	0.00666	0.01313	0.00729	0.07603	0.00727	0.00743	5.19E-02	3.16E-04	1.60E-08	3.18E-04	1.57E-03	4.92E-03	1.19E-03	1.16E-03	5.91E-02
2119	494961.06	3859651.99	0.01074	0.00736	0.00659	0.01298	0.00728	0.0704	0.00721	0.00736	5.15E-02	3.13E-04	1.58E-08	3.14E-04	1.57E-03	4.56E-03	1.18E-03	1.15E-03	5.83E-02
2120	495011.06	3859651.99	0.01066	0.00728	0.00651	0.01282	0.00726	0.06546	0.00714	0.00728	5.12E-02	3.10E-04	1.56E-08	3.11E-04	1.57E-03	4.24E-03	1.17E-03	1.14E-03	5.76E-02
2121	495061.06	3859651.99	0.01057	0.00723	0.00646	0.01271	0.00726	0.06108	0.00709	0.00723	5.07E-02	3.08E-04	1.55E-08	3.08E-04	1.57E-03	3.95E-03	1.16E-03	1.13E-03	5.69E-02
2122	495111.06	3859651.99	0.01049	0.00715	0.00637	0.01253	0.00723	0.05696	0.00701	0.00715	5.03E-02	3.04E-04	1.53E-08	3.04E-04	1.56E-03	3.69E-03	1.14E-03	1.12E-03	5.62E-02
2123	495161.06	3859651.99	0.01041	0.00709	0.0063	0.0124	0.00722	0.05328	0.00696	0.00709	5.00E-02	3.02E-04	1.51E-08	3.00E-04	1.56E-03	3.45E-03	1.14E-03	1.11E-03	5.56E-02
2124	495211.06	3859651.99	0.01033	0.00704	0.00625	0.01229	0.00722	0.05005	0.00691	0.00704	4.96E-02	3.00E-04	1.50E-08	2.98E-04	1.56E-03	3.24E-03	1.13E-03	1.10E-03	5.50E-02
2125	495261.06	3859651.99	0.01025	0.00698	0.00618	0.01216	0.0072	0.04716	0.00685	0.00698	4.92E-02	2.97E-04	1.48E-08	2.95E-04	1.55E-03	3.05E-03	1.12E-03	1.09E-03	5.44E-02
2126	495311.06	3859651.99	0.01018	0.00693	0.00613	0.01205	0.0072	0.04468	0.0068	0.00693	4.89E-02	2.95E-04	1.47E-08	2.92E-04	1.55E-03	2.89E-03	1.11E-03	1.09E-03	5.39E-02
2127	495361.06	3859651.99	0.0101	0.00688	0.00607	0.01194	0.00719	0.04253	0.00676	0.00688	4.85E-02	2.93E-04	1.46E-08	2.89E-04	1.55E-03	2.75E-03	1.10E-03	1.08E-03	5.34E-02
2128	495411.06	3859651.99	0.01003	0.00682	0.00601	0.01182	0.00717	0.04056	0.0067	0.00682	4.81E-02	2.90E-04	1.44E-08	2.86E-04	1.55E-03	2.62E-03	1.09E-03	1.07E-03	5.29E-02
2129	495461.06	3859651.99	0.00996	0.00672	0.00591	0.01162	0.00713	0.03863	0.00661	0.00672	4.78E-02	2.86E-04	1.42E-08	2.82E-04	1.54E-03	2.50E-03	1.08E-03	1.05E-03	5.24E-02
2130	495511.06	3859651.99	0.00988	0.00664	0.00582	0.01144	0.0071	0.0369	0.00654	0.00664	4.74E-02	2.83E-04	1.40E-08	2.77E-04	1.53E-03	2.39E-03	1.07E-03	1.04E-03	5.19E-02
2131	495561.06	3859651.99	0.0098	0.00659	0.00577	0.01134	0.00709	0.03547	0.00649	0.00659	4.70E-02	2.80E-04	1.38E-08	2.75E-04	1.53E-03	2.29E-03	1.06E-03	1.03E-03	5.14E-02
2132	495611.06	3859651.99	0.00973	0.00653	0.0057	0.01121	0.00706	0.0341	0.00644	0.00653	4.67E-02	2.78E-04	1.37E-08	2.72E-04	1.52E-03	2.21E-03	1.05E-03	1.02E-03	5.10E-02
2133	495661.06	3859651.99	0.00965	0.00646	0.00563	0.01107	0.00704	0.03282	0.00637	0.00646	4.63E-02	2.75E-04	1.35E-08	2.68E-04	1.52E-03	2.12E-03	1.04E-03	1.01E-03	5.05E-02
2134	494311.06	3859701.99	0.01173	0.0086	0.00756	0.01542	0.00718	0.06272	0.0084	0.0086	5.63E-02	3.66E-04	1.81E-08	3.74E-04	1.55E-03	4.06E-03	1.37E-03	1.35E-03	6.27E-02
2135	494361.06	3859701.99	0.01164	0.0085	0.00745	0.01515	0.00717	0.08629	0.0083	0.0085	5.59E-02	3.62E-04	1.79E-08	3.67E-04	1.55E-03	5.58E-03	1.35E-03	1.33E-03	6.37E-02
2136	494411.06	3859701.99	0.01154	0.00843	0.00739	0.01499	0.00719	0.14971	0.00824	0.00843	5.54E-02	3.59E-04	1.77E-08	3.63E-04	1.55E-03	9.69E-03	1.35E-03	1.32E-03	6.74E-02
2137	494461.06	3859701.99	0.0114	0.00845	0.0074	0.01499	0.00722	0.20255	0.00825	0.00845	5.47E-02	3.60E-04	1.77E-08	3.63E-04	1.56E-03	1.31E-02	1.35E-03	1.32E-03	7.01E-02
2138	494511.06	3859701.99	0.01131	0.00835	0.00731	0.01476	0.00721	0.21679	0.00816	0.00835	5.43E-02	3.55E-04	1.75E-08	3.58E-04	1.56E-03	1.40E-02	1.33E-03	1.31E-03	7.06E-02
2139	494561.06	3859701.99	0.01121	0.00828	0.00724	0.0146	0.00722	0.14695	0.00809	0.00828	5.38E-02	3.52E-04	1.74E-08	3.54E-04	1.56E-03	9.51E-03	1.32E-03	1.30E-03	6.56E-02
2140	494611.06	3859701.99	0.01112	0.00821	0.00717	0.01442	0.00722	0.11461	0.00802	0.00821	5.34E-02	3.49E-04	1.72E-08	3.49E-04	1.56E-03	7.42E-03	1.31E-03	1.29E-03	6.31E-02
2141	494661.06	3859701.99	0.01107	0.00798	0.00696	0.01396	0.00717	0.09529	0.00781	0.00798	5.31E-02	3.40E-04	1.67E-08	3.38E-04	1.55E-03	6.17E-03	1.27E-03	1.25E-03	6.15E-02
2142	494711.06	3859701.99	0.01097	0.00795	0.00693	0.01387	0.00718	0.08513	0.00777	0.00795	5.26E-02	3.38E-04	1.66E-08	3.36E-04	1.55E-03	5.51E-03	1.27E-03	1.25E-03	6.04E-02
2143	494761.06	3859701.99	0.01089	0.00784	0.00682	0.01364	0.00716	0.07727	0.00767	0.00784	5.23E-02	3.34E-04	1.64E-08	3.30E-04	1.54E-03	5.00E-03	1.25E-03	1.23E-03	5.95E-02
2144	494811.06	3859701.99	0.01081	0.00774	0.00672	0.01341	0.00714	0.0708	0.00757	0.00774	5.19E-02	3.29E-04	1.61E-08	3.25E-04	1.54E-03	4.58E-03	1.24E-03	1.21E-03	5.87E-02
2145	494861.06	3859701.99	0.01071	0.00771	0.0067	0.01335	0.00715	0.06603	0.00755	0.00771	5.14E-02	3.28E-04	1.61E-08	3.23E-04	1.54E-03	4.27E-03	1.23E-03	1.21E-03	5.79E-02
2146	494911.06	3859701.99	0.01063	0.00763	0.00661	0.01316	0.00713	0.06161	0.00746	0.00763	5.10E-02	3.25E-04	1.59E-08	3.19E-04	1.54E-03	3.99E-03	1.22E-03	1.20E-03	5.72E-02
2147	494961.06	3859701.99	0.01055	0.00754	0.00653	0.01298	0.00711	0.05805	0.00738	0.00754	5.06E-02	3.21E-04	1.57E-08	3.14E-04	1.53E-03	3.76E-03	1.20E-03	1.18E-03	5.66E-02
2148	495011.06	3859701.99	0.01046	0.00749	0.00648	0.01286	0.00711	0.05503	0.00734	0.00749	5.02E-02	3.19E-04	1.55E-08	3.12E-04	1.53E-03	3.56E-03	1.20E-03	1.17E-03	5.59E-02
2149	495061.06	3859701.99	0.01038	0.00742	0.00641	0.01271	0.0071	0.05227	0.00727	0.00742	4.98E-02	3.16E-04	1.54E-08	3.08E-04	1.53E-03	3.38E-03	1.19E-03	1.16E-03	5.54E-02
2150	495111.06	3859701.99	0.01031	0.00735	0.00634	0.01257	0.00709	0.04977	0.0072	0.00735	4.95E-02	3.13E-04	1.52E-08	3.05E-04	1.53E-03	3.22E-03	1.18E-03	1.15E-03	5.49E-02
2151	495161.06	3859701.99	0.01023	0.00727	0.00626	0.01241	0.00707	0.04745	0.00713	0.00727	4.91E-02	3.09E-04	1.50E-08	3.01E-04	1.52E-03	3.07E-03	1.16E-03	1.14E-03	5.43E-02
2152	495211.06	3859701.99	0.01016	0.00719	0.00618	0.01225	0.00705	0.04529	0.00705	0.00719	4.88E-02	3.06E-04	1.48E-08	2.97E-04	1.52E-03	2.93E-03	1.15E-03	1.13E-03	5.38E-02
2153	495261.06	3859701.99	0.01007	0.00716	0.00615	0.01218	0.00706	0.04348	0.00703	0.00716	4.83E-02	3.05E-04	1.47E-08	2.95E-04	1.52E-03	2.81E-03	1.15E-03	1.12E-03	5.33E-02
2154	495311.06	3859701.99	0.01	0.00709	0.00608	0.01204	0.00704	0.04165	0.00696	0.00709	4.80E-02	3.02E-04	1.46E-08	2.92E-04	1.52E-03	2.69E-03	1.14E-03	1.11E-03	5.28E-02
2155	495361.06	3859701.99	0.00993	0.00703	0.00602	0.0119	0.00703	0.03997	0.0069	0.00703	4.77E-02	2.99E-04	1.44E-08	2.88E-04	1.52E-03	2.59E-03	1.13E-03	1.10E-03	5.24E-02
2156	495411.06	3859701.99	0.00986	0.00694	0.00593	0.01173	0.007	0.03831	0.00682	0.00694	4.73E-02	2.95E-04	1.42E-08	2.84E-04	1.51E-03	2.48E-03	1.11E-03	1.09E-03	5.19E-02
2157	495461.06	3859701.99	0.00979	0.00687	0.00586	0.01159	0.00698	0.03682	0.00675	0.00687	4.70E-02	2.92E-04	1.41E-08	2.81E-04	1.51E-03	2.38E-03	1.10E-03	1.08E-03	5.15E-02
2158	495511.06	3859701.99	0.00973	0.00676	0.00575	0.01137	0.00693	0.03522	0.00665	0.00676	4.67E-02	2.88E-04	1.38E-08	2.75E-04	1.49E-03	2.28E-03	1.09E-03	1.06E-03	5.11E-02
2159	495561.06	3859701.99	0.00966	0.00675	0.00574	0.01134	0.00695	0.03415	0.00664	0.00675	4.64E-02	2.87E-04	1.38E-08	2.75E-04	1.50E-03	2.21E-03	1.08E-03	1.06E-03	5.07E-02
2160	495611.06	3859701.99	0.00959	0.00669	0.00568	0.01122	0.00693	0.03296	0.00658	0.00669	4.60E-02	2.85E-04	1.36E-08	2.72E-04	1.49E-03	2.13E-03	1.07E-03	1.05E-03	5.02E-02
2161	495661.06	3859701.99	0.00952	0.00662	0.00561	0.01108	0.00691	0.03182	0.00652	0.00662	4.57E-02	2.82E-04	1.35E-08	2.68E-04	1.49E-03	2.06E-03	1.06E-03	1.04E-03	4.98E-02
2162	494311.06	3859751.99	0.0115	0.00886	0.00743	0.01545	0.00693	0.06368	0.00865	0.00886	5.52E-02	3.77E-04	1.78E-08	3.74E-04	1.49E-03	4.12E-03	1.41E-03	1.39E-03	6.16E-02

2163	494361.06	3859751.99	0.01141	0.00875	0.00734	0.01521	0.00694	0.08718	0.00855	0.00875	5.48E-02	3.72E-04	1.76E-08	3.68E-04	1.50E-03	5.64E-03	1.40E-03	1.37E-03	6.27E-02
2164	494411.06	3859751.99	0.01132	0.00862	0.00723	0.01494	0.00695	0.14952	0.00843	0.00862	5.43E-02	3.67E-04	1.73E-08	3.62E-04	1.50E-03	9.67E-03	1.38E-03	1.35E-03	6.63E-02
2165	494461.06	3859751.99	0.01119	0.00862	0.00723	0.01488	0.00698	0.20449	0.00842	0.00862	5.37E-02	3.67E-04	1.73E-08	3.60E-04	1.51E-03	1.32E-02	1.37E-03	1.35E-03	6.92E-02
2166	494511.06	3859751.99	0.01108	0.00858	0.00719	0.01477	0.00699	0.21457	0.00838	0.00858	5.32E-02	3.65E-04	1.72E-08	3.58E-04	1.51E-03	1.39E-02	1.37E-03	1.34E-03	6.93E-02
2167	494561.06	3859751.99	0.01099	0.00848	0.00711	0.01456	0.007	0.14428	0.00829	0.00848	5.27E-02	3.61E-04	1.71E-08	3.53E-04	1.51E-03	9.34E-03	1.35E-03	1.33E-03	6.43E-02
2168	494611.06	3859751.99	0.01091	0.00836	0.00701	0.01431	0.007	0.11045	0.00817	0.00836	5.24E-02	3.56E-04	1.68E-08	3.47E-04	1.51E-03	7.15E-03	1.33E-03	1.31E-03	6.17E-02
2169	494661.06	3859751.99	0.01085	0.00816	0.00686	0.01394	0.00698	0.09102	0.00797	0.00816	5.21E-02	3.47E-04	1.65E-08	3.38E-04	1.51E-03	5.89E-03	1.30E-03	1.28E-03	6.02E-02
2170	494711.06	3859751.99	0.01075	0.00815	0.00683	0.01386	0.00698	0.08008	0.00797	0.00815	5.16E-02	3.47E-04	1.64E-08	3.36E-04	1.51E-03	5.18E-03	1.30E-03	1.28E-03	5.90E-02
2171	494761.06	3859751.99	0.01066	0.00809	0.00677	0.01371	0.00699	0.0718	0.00791	0.00809	5.12E-02	3.44E-04	1.62E-08	3.32E-04	1.51E-03	4.65E-03	1.29E-03	1.27E-03	5.80E-02
2172	494811.06	3859751.99	0.01058	0.00799	0.00668	0.0135	0.00697	0.06532	0.00781	0.00799	5.08E-02	3.40E-04	1.60E-08	3.27E-04	1.50E-03	4.23E-03	1.27E-03	1.25E-03	5.72E-02
2173	494861.06	3859751.99	0.0105	0.00791	0.00662	0.01335	0.00697	0.06054	0.00774	0.00791	5.04E-02	3.37E-04	1.59E-08	3.23E-04	1.50E-03	3.92E-03	1.26E-03	1.24E-03	5.65E-02
2174	494911.06	3859751.99	0.01042	0.00784	0.00655	0.01319	0.00696	0.05658	0.00767	0.00784	5.00E-02	3.34E-04	1.57E-08	3.20E-04	1.50E-03	3.66E-03	1.25E-03	1.23E-03	5.58E-02
2175	494961.06	3859751.99	0.01034	0.00777	0.00649	0.01304	0.00696	0.05339	0.0076	0.00777	4.96E-02	3.31E-04	1.56E-08	3.16E-04	1.50E-03	3.45E-03	1.24E-03	1.22E-03	5.52E-02
2176	495011.06	3859751.99	0.01026	0.00769	0.00642	0.01287	0.00695	0.05067	0.00753	0.00769	4.92E-02	3.27E-04	1.54E-08	3.12E-04	1.50E-03	3.28E-03	1.23E-03	1.20E-03	5.47E-02
2177	495061.06	3859751.99	0.01018	0.00764	0.00637	0.01276	0.00694	0.04837	0.00747	0.00764	4.89E-02	3.25E-04	1.53E-08	3.09E-04	1.50E-03	3.13E-03	1.22E-03	1.20E-03	5.41E-02
2178	495111.06	3859751.99	0.0101	0.00756	0.0063	0.0126	0.00693	0.04625	0.0074	0.00756	4.85E-02	3.22E-04	1.51E-08	3.05E-04	1.49E-03	2.99E-03	1.21E-03	1.18E-03	5.36E-02
2179	495161.06	3859751.99	0.01003	0.00748	0.00623	0.01244	0.00692	0.04429	0.00733	0.00748	4.81E-02	3.18E-04	1.49E-08	3.01E-04	1.49E-03	2.87E-03	1.20E-03	1.17E-03	5.31E-02
2180	495211.06	3859751.99	0.00996	0.0074	0.00615	0.01228	0.0069	0.0425	0.00725	0.0074	4.78E-02	3.15E-04	1.47E-08	2.98E-04	1.49E-03	2.75E-03	1.18E-03	1.16E-03	5.27E-02
2181	495261.06	3859751.99	0.00989	0.00734	0.0061	0.01217	0.0069	0.04096	0.0072	0.00734	4.75E-02	3.12E-04	1.46E-08	2.95E-04	1.49E-03	2.65E-03	1.18E-03	1.15E-03	5.22E-02
2182	495311.06	3859751.99	0.00982	0.00727	0.00603	0.01202	0.00688	0.03947	0.00713	0.00727	4.71E-02	3.09E-04	1.45E-08	2.91E-04	1.48E-03	2.55E-03	1.16E-03	1.14E-03	5.18E-02
2183	495361.06	3859751.99	0.00975	0.0072	0.00597	0.01189	0.00687	0.0381	0.00707	0.0072	4.68E-02	3.06E-04	1.43E-08	2.88E-04	1.48E-03	2.47E-03	1.15E-03	1.13E-03	5.14E-02
2184	495411.06	3859751.99	0.00968	0.00714	0.00591	0.01176	0.00686	0.0368	0.007	0.00714	4.65E-02	3.04E-04	1.42E-08	2.85E-04	1.48E-03	2.38E-03	1.14E-03	1.12E-03	5.09E-02
2185	495461.06	3859751.99	0.00962	0.00705	0.00583	0.01159	0.00684	0.03545	0.00692	0.00705	4.62E-02	3.00E-04	1.40E-08	2.81E-04	1.48E-03	2.29E-03	1.13E-03	1.10E-03	5.05E-02
2186	495511.06	3859751.99	0.00956	0.00696	0.00575	0.01142	0.00681	0.03416	0.00683	0.00696	4.59E-02	2.96E-04	1.38E-08	2.77E-04	1.47E-03	2.21E-03	1.11E-03	1.09E-03	5.02E-02
2187	495561.06	3859751.99	0.00949	0.0069	0.00569	0.0113	0.0068	0.03304	0.00678	0.0069	4.55E-02	2.94E-04	1.36E-08	2.74E-04	1.47E-03	2.14E-03	1.11E-03	1.08E-03	4.97E-02
2188	495611.06	3859751.99	0.00942	0.00684	0.00563	0.01119	0.00678	0.03198	0.00672	0.00684	4.52E-02	2.91E-04	1.35E-08	2.71E-04	1.46E-03	2.07E-03	1.10E-03	1.07E-03	4.93E-02
2189	495661.06	3859751.99	0.00936	0.00679	0.00559	0.01109	0.00678	0.03103	0.00668	0.00679	4.49E-02	2.89E-04	1.34E-08	2.69E-04	1.46E-03	2.01E-03	1.09E-03	1.06E-03	4.90E-02
2190	494311.06	3859801.99	0.01126	0.00912	0.00729	0.01544	0.00666	0.06514	0.00891	0.00912	5.40E-02	3.88E-04	1.75E-08	3.74E-04	1.44E-03	4.21E-03	1.45E-03	1.43E-03	6.05E-02
2191	494361.06	3859801.99	0.01118	0.00896	0.00718	0.01513	0.00668	0.08779	0.00876	0.00896	5.37E-02	3.81E-04	1.72E-08	3.67E-04	1.44E-03	5.68E-03	1.43E-03	1.40E-03	6.15E-02
2192	494411.06	3859801.99	0.0111	0.0088	0.00706	0.01482	0.0067	0.1491	0.00861	0.0088	5.33E-02	3.74E-04	1.69E-08	3.59E-04	1.45E-03	9.65E-03	1.41E-03	1.38E-03	6.51E-02
2193	494461.06	3859801.99	0.01098	0.00879	0.00705	0.01475	0.00673	0.21438	0.00859	0.00879	5.27E-02	3.74E-04	1.69E-08	3.57E-04	1.45E-03	1.39E-02	1.40E-03	1.38E-03	6.88E-02
2194	494511.06	3859801.99	0.01086	0.00879	0.00704	0.01469	0.00675	0.20981	0.00859	0.00879	5.21E-02	3.74E-04	1.69E-08	3.56E-04	1.46E-03	1.36E-02	1.40E-03	1.38E-03	6.79E-02
2195	494561.06	3859801.99	0.01077	0.0087	0.00697	0.01449	0.00677	0.14299	0.0085	0.0087	5.17E-02	3.70E-04	1.67E-08	3.51E-04	1.46E-03	9.25E-03	1.39E-03	1.36E-03	6.31E-02
2196	494611.06	3859801.99	0.01071	0.00852	0.00684	0.01416	0.00677	0.1096	0.00833	0.00852	5.14E-02	3.63E-04	1.64E-08	3.43E-04	1.46E-03	7.09E-03	1.36E-03	1.33E-03	6.07E-02
2197	494661.06	3859801.99	0.01062	0.00842	0.00676	0.01395	0.00677	0.09072	0.00823	0.00842	5.10E-02	3.58E-04	1.62E-08	3.38E-04	1.46E-03	5.87E-03	1.34E-03	1.32E-03	5.90E-02
2198	494711.06	3859801.99	0.01055	0.0083	0.00666	0.01372	0.00677	0.07824	0.00811	0.0083	5.06E-02	3.53E-04	1.60E-08	3.32E-04	1.46E-03	5.06E-03	1.32E-03	1.30E-03	5.79E-02
2199	494761.06	3859801.99	0.01044	0.00829	0.00666	0.01367	0.00679	0.07031	0.00811	0.00829	5.01E-02	3.53E-04	1.60E-08	3.31E-04	1.46E-03	4.55E-03	1.32E-03	1.30E-03	5.68E-02
2200	494811.06	3859801.99	0.01037	0.0082	0.00658	0.01348	0.00678	0.06393	0.00801	0.0082	4.98E-02	3.49E-04	1.58E-08	3.27E-04	1.46E-03	4.14E-03	1.31E-03	1.28E-03	5.61E-02
2201	494861.06	3859801.99	0.01028	0.00813	0.00653	0.01334	0.00679	0.05916	0.00795	0.00813	4.93E-02	3.46E-04	1.57E-08	3.23E-04	1.46E-03	3.83E-03	1.30E-03	1.27E-03	5.53E-02
2202	494911.06	3859801.99	0.01021	0.00803	0.00645	0.01314	0.00678	0.05505	0.00785	0.00803	4.90E-02	3.42E-04	1.55E-08	3.18E-04	1.46E-03	3.56E-03	1.28E-03	1.26E-03	5.47E-02
2203	494961.06	3859801.99	0.01013	0.00795	0.00639	0.01299	0.00677	0.05184	0.00778	0.00795	4.86E-02	3.38E-04	1.53E-08	3.15E-04	1.46E-03	3.35E-03	1.27E-03	1.25E-03	5.41E-02
2204	495011.06	3859801.99	0.01006	0.00788	0.00632	0.01284	0.00677	0.04914	0.00771	0.00788	4.83E-02	3.35E-04	1.52E-08	3.11E-04	1.46E-03	3.18E-03	1.26E-03	1.23E-03	5.36E-02
2205	495061.06	3859801.99	0.00998	0.00781	0.00627	0.01271	0.00677	0.04684	0.00765	0.00781	4.79E-02	3.32E-04	1.50E-08	3.08E-04	1.46E-03	3.03E-03	1.25E-03	1.22E-03	5.30E-02
2206	495111.06	3859801.99	0.00991	0.00773	0.0062	0.01254	0.00675	0.04465	0.00756	0.00773	4.76E-02	3.29E-04	1.49E-08	3.04E-04	1.46E-03	2.89E-03	1.23E-03	1.21E-03	5.26E-02
2207	495161.06	3859801.99	0.00984	0.00764	0.00613	0.01238	0.00674	0.04271	0.00748	0.00764	4.72E-02	3.25E-04	1.47E-08	3.00E-04	1.45E-03	2.76E-03	1.22E-03	1.20E-03	5.21E-02
2208	495211.06	3859801.99	0.00977	0.00758	0.00608	0.01226	0.00674	0.04109	0.00743	0.00758	4.69E-02	3.23E-04	1.46E-08	2.97E-04	1.45E-03	2.66E-03	1.21E-03	1.19E-03	5.16E-02
2209	495261.06	3859801.99	0.0097	0.0075	0.00601	0.01211	0.00673	0.03952	0.00735	0.0075	4.65E-02	3.19E-04	1.44E-08	2.93E-04	1.45E-03	2.56E-03	1.20E-03	1.17E-03	5.12E-02
2210	495311.06	3859801.99	0.00963	0.00745	0.00597	0.012	0.00672	0.03822	0.0073	0.00745	4.62E-02	3.17E-04	1.43E-08	2.91E-04	1.45E-03	2.47E-03	1.19E-03	1.17E-03	5.08E-02
2211	495361.06	3859801.99	0.00956	0.00737	0.0059	0.01186	0.00671	0.03692	0.00723	0.00737	4.59E-02	3.14E-04	1.42E-08	2.87E-04	1.45E-03	2.39E-03	1.18E-03	1.15E-03	5.03E-02
2212	495411.06	3859801.99	0.0095	0.00729	0.00583	0.0117	0.00669	0.03564	0.00715	0.00729	4.56E-02	3.10E-04	1.40E-08	2.83E-04	1.44E-03	2.31E-03	1.17E-03	1.14E-03	5.00E-02
2213	495461.06	3859801.99	0.00944	0.00722	0.00578	0.01158	0.00668	0.03448	0.00708	0.00722	4.53E-02	3.07E-04	1.39E-08	2.81E-04	1.44E-03	2.23E-03	1.16E-03	1.13E-03	4.96E-02
2214	495511.06	3859801.99	0.00938	0.00713	0.00569	0.0114	0.00666	0.03326	0.007	0.00713	4.50E-02	3.03E-04	1.36E-08	2.76E-04	1.44E-03	2.15E-03	1.14E-03	1.12E-03	4.92E-02
2215	495561.06	3859801.99	0.00931	0.00707	0.00565	0.0113	0.00665	0.03226	0.00694	0.00707	4.47E-02	3.01E-04	1.36E-08	2.74E-04	1.43E-03	2.09E-03	1.13E-03	1.11E-03	4.88E-02
2216	495611.06	3859801.99	0.00924	0.00704	0.00562	0.01123	0.00665	0.0314	0.00691	0.00704	4.43E-02	3.00E-04	1.35E-08	2.72E-04	1.43E-03	2.03E-03	1.13E-03	1.10E-03	4.84E-02
2217	495661.06	3859801.99	0.00919	0.00695	0.00554	0.01108	0.00663	0.03038	0.00683	0.00695	4.41E-02	2.96E-04	1.33E-08	2.68E-04	1.43E-03	1.97E-03	1.11E-03	1.09E-03	4.81E-02
2218	494311.06	3859851.99	0.01102	0.00933	0.00712	0.01531	0.00638	0.06743	0.00912	0.00933	5.29E-02	3.97E-04	1.71E-08	3.71E-04	1.38E-03	4.36E-03	1.49E-03	1.46E-03	5.94E-02
2219	494361.06	3859851.99	0.01093	0.0092	0.00703	0.01506	0.00642	0.08928	0.009	0.0092	5.25E-02	3.91E-04	1.69E-08	3.65E-04	1.38E-03	5.78E-03	1.47E-03	1.44E-03	6.04E-02

2220	494411.06	3859851.99	0.01085	0.00906	0.00694	0.01478	0.00644	0.14901	0.00886	0.00906	5.21E-02	3.85E-04	1.66E-08	3.58E-04	1.39E-03	9.64E-03	1.45E-03	1.42E-03	6.39E-02
2221	494461.06	3859851.99	0.01076	0.00895	0.00686	0.01456	0.00647	0.20824	0.00875	0.00895	5.16E-02	3.81E-04	1.65E-08	3.53E-04	1.40E-03	1.35E-02	1.43E-03	1.40E-03	6.73E-02
2222	494511.06	3859851.99	0.01065	0.00891	0.00683	0.01446	0.0065	0.21648	0.00872	0.00891	5.11E-02	3.79E-04	1.64E-08	3.50E-04	1.40E-03	1.40E-02	1.42E-03	1.40E-03	6.73E-02
2223	494561.06	3859851.99	0.01054	0.0089	0.00681	0.01439	0.00652	0.14408	0.0087	0.0089	5.06E-02	3.79E-04	1.63E-08	3.49E-04	1.41E-03	9.32E-03	1.42E-03	1.39E-03	6.21E-02
2224	494611.06	3859851.99	0.01049	0.0087	0.00668	0.01404	0.00653	0.11098	0.00851	0.0087	5.03E-02	3.70E-04	1.60E-08	3.40E-04	1.41E-03	7.18E-03	1.39E-03	1.36E-03	5.97E-02
2225	494661.06	3859851.99	0.01039	0.00865	0.00664	0.01392	0.00655	0.0921	0.00846	0.00865	4.99E-02	3.68E-04	1.59E-08	3.37E-04	1.41E-03	5.96E-03	1.38E-03	1.36E-03	5.80E-02
2226	494711.06	3859851.99	0.01032	0.00851	0.00654	0.01366	0.00656	0.07919	0.00832	0.00851	4.95E-02	3.62E-04	1.57E-08	3.31E-04	1.41E-03	5.12E-03	1.36E-03	1.33E-03	5.68E-02
2227	494761.06	3859851.99	0.01022	0.00849	0.00653	0.0136	0.00657	0.07105	0.0083	0.00849	4.90E-02	3.61E-04	1.57E-08	3.29E-04	1.42E-03	4.60E-03	1.35E-03	1.33E-03	5.58E-02
2228	494811.06	3859851.99	0.01015	0.0084	0.00646	0.01342	0.00658	0.06457	0.00822	0.0084	4.87E-02	3.57E-04	1.55E-08	3.25E-04	1.42E-03	4.18E-03	1.34E-03	1.32E-03	5.50E-02
2229	494861.06	3859851.99	0.01006	0.00835	0.00642	0.0133	0.00659	0.05969	0.00816	0.00835	4.83E-02	3.55E-04	1.54E-08	3.22E-04	1.42E-03	3.86E-03	1.33E-03	1.31E-03	5.43E-02
2230	494911.06	3859851.99	0.00999	0.00824	0.00635	0.01311	0.00659	0.05544	0.00806	0.00824	4.79E-02	3.51E-04	1.52E-08	3.18E-04	1.42E-03	3.59E-03	1.32E-03	1.29E-03	5.36E-02
2231	494961.06	3859851.99	0.00992	0.00817	0.00629	0.01296	0.00659	0.05202	0.00799	0.00817	4.76E-02	3.48E-04	1.51E-08	3.14E-04	1.42E-03	3.37E-03	1.30E-03	1.28E-03	5.31E-02
2232	495011.06	3859851.99	0.00984	0.00809	0.00623	0.01281	0.00659	0.04913	0.00791	0.00809	4.72E-02	3.44E-04	1.49E-08	3.10E-04	1.42E-03	3.18E-03	1.29E-03	1.27E-03	5.25E-02
2233	495061.06	3859851.99	0.00977	0.00802	0.00618	0.01268	0.00659	0.0467	0.00785	0.00802	4.69E-02	3.41E-04	1.48E-08	3.07E-04	1.42E-03	3.02E-03	1.28E-03	1.26E-03	5.20E-02
2234	495111.06	3859851.99	0.0097	0.00792	0.00611	0.01251	0.00658	0.04439	0.00775	0.00792	4.65E-02	3.37E-04	1.47E-08	3.03E-04	1.42E-03	2.87E-03	1.27E-03	1.24E-03	5.15E-02
2235	495161.06	3859851.99	0.00964	0.00784	0.00605	0.01236	0.00658	0.04242	0.00768	0.00784	4.63E-02	3.34E-04	1.45E-08	2.99E-04	1.42E-03	2.74E-03	1.25E-03	1.23E-03	5.11E-02
2236	495211.06	3859851.99	0.00957	0.00777	0.00599	0.01222	0.00657	0.04069	0.00761	0.00777	4.59E-02	3.31E-04	1.44E-08	2.96E-04	1.42E-03	2.63E-03	1.24E-03	1.22E-03	5.06E-02
2237	495261.06	3859851.99	0.0095	0.00769	0.00593	0.01208	0.00656	0.0391	0.00753	0.00769	4.56E-02	3.27E-04	1.42E-08	2.93E-04	1.41E-03	2.53E-03	1.23E-03	1.20E-03	5.02E-02
2238	495311.06	3859851.99	0.00944	0.00763	0.00589	0.01197	0.00656	0.03771	0.00747	0.00763	4.53E-02	3.25E-04	1.41E-08	2.90E-04	1.41E-03	2.44E-03	1.22E-03	1.20E-03	4.98E-02
2239	495361.06	3859851.99	0.00937	0.00756	0.00584	0.01184	0.00655	0.03639	0.00741	0.00756	4.50E-02	3.22E-04	1.40E-08	2.87E-04	1.41E-03	2.35E-03	1.21E-03	1.18E-03	4.94E-02
2240	495411.06	3859851.99	0.00931	0.00748	0.00577	0.0117	0.00654	0.03508	0.00733	0.00748	4.47E-02	3.18E-04	1.38E-08	2.83E-04	1.41E-03	2.27E-03	1.20E-03	1.17E-03	4.90E-02
2241	495461.06	3859851.99	0.00925	0.0074	0.00571	0.01155	0.00653	0.03387	0.00725	0.0074	4.44E-02	3.15E-04	1.37E-08	2.80E-04	1.41E-03	2.19E-03	1.18E-03	1.16E-03	4.86E-02
2242	495511.06	3859851.99	0.0092	0.00731	0.00564	0.0114	0.00651	0.0327	0.00717	0.00731	4.41E-02	3.11E-04	1.35E-08	2.76E-04	1.40E-03	2.12E-03	1.17E-03	1.15E-03	4.83E-02
2243	495561.06	3859851.99	0.00913	0.00726	0.0056	0.01131	0.00651	0.03176	0.00712	0.00726	4.38E-02	3.09E-04	1.34E-08	2.74E-04	1.40E-03	2.05E-03	1.16E-03	1.14E-03	4.79E-02
2244	495611.06	3859851.99	0.00907	0.00721	0.00556	0.01121	0.0065	0.03086	0.00707	0.00721	4.35E-02	3.07E-04	1.33E-08	2.72E-04	1.40E-03	2.00E-03	1.15E-03	1.13E-03	4.75E-02
2245	495661.06	3859851.99	0.00901	0.00713	0.00549	0.01107	0.00648	0.02989	0.007	0.00713	4.32E-02	3.03E-04	1.32E-08	2.68E-04	1.40E-03	1.93E-03	1.14E-03	1.12E-03	4.72E-02
2246	494311.06	3859901.99	0.01078	0.00954	0.00696	0.01516	0.0061	0.0717	0.00934	0.00954	5.17E-02	4.06E-04	1.67E-08	3.67E-04	1.32E-03	4.64E-03	1.52E-03	1.49E-03	5.85E-02
2247	494361.06	3859901.99	0.01071	0.00934	0.00684	0.01483	0.00614	0.09261	0.00915	0.00934	5.14E-02	3.97E-04	1.64E-08	3.59E-04	1.32E-03	5.99E-03	1.49E-03	1.46E-03	5.95E-02
2248	494411.06	3859901.99	0.01061	0.00928	0.0068	0.01468	0.00617	0.15104	0.00908	0.00928	5.09E-02	3.95E-04	1.63E-08	3.56E-04	1.33E-03	9.77E-03	1.48E-03	1.45E-03	6.28E-02
2249	494461.06	3859901.99	0.01052	0.00918	0.00673	0.01448	0.00621	0.20305	0.00898	0.00918	5.05E-02	3.91E-04	1.61E-08	3.51E-04	1.34E-03	1.31E-02	1.47E-03	1.44E-03	6.57E-02
2250	494511.06	3859901.99	0.01042	0.00911	0.00668	0.01433	0.00624	0.22192	0.00891	0.00911	5.00E-02	3.88E-04	1.60E-08	3.47E-04	1.35E-03	1.44E-02	1.45E-03	1.43E-03	6.65E-02
2251	494561.06	3859901.99	0.0103	0.00912	0.00668	0.01429	0.00627	0.14855	0.00892	0.00912	4.94E-02	3.88E-04	1.60E-08	3.46E-04	1.35E-03	9.61E-03	1.46E-03	1.43E-03	6.12E-02
2252	494611.06	3859901.99	0.01026	0.00891	0.00654	0.01395	0.00629	0.11473	0.00871	0.00891	4.92E-02	3.79E-04	1.57E-08	3.38E-04	1.36E-03	7.42E-03	1.42E-03	1.40E-03	5.88E-02
2253	494661.06	3859901.99	0.01015	0.0089	0.00653	0.01388	0.00631	0.09566	0.0087	0.0089	4.87E-02	3.79E-04	1.57E-08	3.36E-04	1.36E-03	6.19E-03	1.42E-03	1.39E-03	5.70E-02
2254	494711.06	3859901.99	0.0101	0.0087	0.00641	0.01356	0.00633	0.0819	0.00851	0.0087	4.85E-02	3.70E-04	1.54E-08	3.29E-04	1.37E-03	5.30E-03	1.39E-03	1.36E-03	5.59E-02
2255	494761.06	3859901.99	0.01001	0.00867	0.00638	0.01347	0.00635	0.07321	0.00848	0.00867	4.80E-02	3.69E-04	1.53E-08	3.26E-04	1.37E-03	4.74E-03	1.38E-03	1.36E-03	5.49E-02
2256	494811.06	3859901.99	0.00991	0.00863	0.00635	0.01338	0.00636	0.06674	0.00844	0.00863	4.76E-02	3.67E-04	1.52E-08	3.24E-04	1.37E-03	4.32E-03	1.38E-03	1.35E-03	5.40E-02
2257	494861.06	3859901.99	0.00983	0.00857	0.00631	0.01325	0.00638	0.06141	0.00838	0.00857	4.72E-02	3.65E-04	1.51E-08	3.21E-04	1.38E-03	3.97E-03	1.37E-03	1.34E-03	5.32E-02
2258	494911.06	3859901.99	0.00977	0.00846	0.00624	0.01306	0.00639	0.05676	0.00827	0.00846	4.69E-02	3.60E-04	1.50E-08	3.16E-04	1.38E-03	3.67E-03	1.35E-03	1.33E-03	5.26E-02
2259	494961.06	3859901.99	0.00969	0.00839	0.00619	0.01293	0.00639	0.05312	0.00821	0.00839	4.65E-02	3.57E-04	1.48E-08	3.13E-04	1.38E-03	3.44E-03	1.34E-03	1.31E-03	5.20E-02
2260	495011.06	3859901.99	0.00963	0.0083	0.00613	0.01276	0.0064	0.0499	0.00811	0.0083	4.62E-02	3.53E-04	1.47E-08	3.09E-04	1.38E-03	3.23E-03	1.32E-03	1.30E-03	5.15E-02
2261	495061.06	3859901.99	0.00956	0.00821	0.00607	0.01261	0.0064	0.04722	0.00803	0.00821	4.59E-02	3.49E-04	1.46E-08	3.06E-04	1.38E-03	3.06E-03	1.31E-03	1.29E-03	5.10E-02
2262	495111.06	3859901.99	0.0095	0.00811	0.006	0.01244	0.0064	0.04474	0.00794	0.00811	4.56E-02	3.45E-04	1.44E-08	3.01E-04	1.38E-03	2.89E-03	1.30E-03	1.27E-03	5.05E-02
2263	495161.06	3859901.99	0.00944	0.00802	0.00594	0.01228	0.00639	0.04257	0.00784	0.00802	4.53E-02	3.41E-04	1.42E-08	2.98E-04	1.38E-03	2.75E-03	1.28E-03	1.26E-03	5.01E-02
2264	495211.06	3859901.99	0.00937	0.00796	0.0059	0.01217	0.0064	0.0408	0.00779	0.00796	4.50E-02	3.39E-04	1.42E-08	2.95E-04	1.38E-03	2.64E-03	1.27E-03	1.25E-03	4.96E-02
2265	495261.06	3859901.99	0.00931	0.00786	0.00582	0.012	0.00639	0.03894	0.00769	0.00786	4.47E-02	3.34E-04	1.40E-08	2.91E-04	1.38E-03	2.52E-03	1.26E-03	1.23E-03	4.92E-02
2266	495311.06	3859901.99	0.00924	0.0078	0.00579	0.0119	0.00639	0.0375	0.00764	0.0078	4.43E-02	3.32E-04	1.39E-08	2.88E-04	1.38E-03	2.43E-03	1.25E-03	1.22E-03	4.88E-02
2267	495361.06	3859901.99	0.00918	0.00773	0.00573	0.01177	0.00638	0.03605	0.00756	0.00773	4.41E-02	3.29E-04	1.37E-08	2.85E-04	1.38E-03	2.33E-03	1.23E-03	1.21E-03	4.84E-02
2268	495411.06	3859901.99	0.00913	0.00764	0.00567	0.01162	0.00637	0.03466	0.00748	0.00764	4.38E-02	3.25E-04	1.36E-08	2.82E-04	1.37E-03	2.24E-03	1.22E-03	1.20E-03	4.81E-02
2269	495461.06	3859901.99	0.00907	0.00756	0.00561	0.01149	0.00636	0.03343	0.00741	0.00756	4.35E-02	3.22E-04	1.35E-08	2.78E-04	1.37E-03	2.16E-03	1.21E-03	1.18E-03	4.77E-02
2270	495511.06	3859901.99	0.00901	0.0075	0.00557	0.01139	0.00636	0.03239	0.00735	0.0075	4.32E-02	3.19E-04	1.34E-08	2.76E-04	1.37E-03	2.10E-03	1.20E-03	1.17E-03	4.73E-02
2271	495561.06	3859901.99	0.00894	0.00745	0.00554	0.01129	0.00635	0.03142	0.0073	0.00745	4.29E-02	3.17E-04	1.33E-08	2.74E-04	1.37E-03	2.03E-03	1.19E-03	1.17E-03	4.69E-02
2272	495611.06	3859901.99	0.00889	0.00737	0.00548	0.01116	0.00634	0.03041	0.00723	0.00737	4.27E-02	3.14E-04	1.31E-08	2.70E-04	1.37E-03	1.97E-03	1.18E-03	1.15E-03	4.66E-02
2273	495661.06	3859901.99	0.00884	0.00729	0.00542	0.01102	0.00633	0.02944	0.00715	0.00729	4.24E-02	3.10E-04	1.30E-08	2.67E-04	1.37E-03	1.90E-03	1.17E-03	1.14E-03	4.63E-02
2274	494311.06	3859951.99	0.01052	0.00978	0.00684	0.01503	0.00586	0.08067	0.00958	0.00978	5.05E-02	4.16E-04	1.64E-08	3.64E-04	1.26E-03	5.22E-03	1.56E-03	1.53E-03	5.78E-02
2275	494361.06	3859951.99	0.01044	0.00963	0.00675	0.01478	0.00589	0.10212	0.00944	0.00963	5.01E-02	4.10E-04	1.62E-08	3.58E-04	1.27E-03	6.61E-03	1.54E-03	1.51E-03	5.88E-02
2276	494411.06	3859951.99	0.01036	0.00951	0.00667	0.01455	0.00592	0.15877	0.00931	0.00951	4.97E-02	4.05E-04	1.60E-08	3.53E-04	1.28E-03	1.03E-02	1.52E-03	1.49E-03	6.21E-02

2277	494461.06	3859951.99	0.01027	0.0094	0.0066	0.01436	0.00594	0.21485	0.00921	0.0094	4.93E-02	4.00E-04	1.58E-08	3.48E-04	1.28E-03	1.39E-02	1.50E-03	1.47E-03	6.52E-02
2278	494511.06	3859951.99	0.01018	0.00933	0.00656	0.01421	0.00598	0.23359	0.00914	0.00933	4.89E-02	3.97E-04	1.57E-08	3.44E-04	1.29E-03	1.51E-02	1.49E-03	1.46E-03	6.60E-02
2279	494561.06	3859951.99	0.01005	0.00937	0.00657	0.0142	0.00602	0.15829	0.00917	0.00937	4.82E-02	3.99E-04	1.58E-08	3.44E-04	1.30E-03	1.02E-02	1.50E-03	1.47E-03	6.05E-02
2280	494611.06	3859951.99	0.01	0.00917	0.00645	0.0139	0.00604	0.1236	0.00898	0.00917	4.80E-02	3.90E-04	1.55E-08	3.37E-04	1.30E-03	8.00E-03	1.47E-03	1.44E-03	5.80E-02
2281	494661.06	3859951.99	0.0099	0.00916	0.00643	0.01382	0.00607	0.10255	0.00896	0.00916	4.75E-02	3.90E-04	1.54E-08	3.35E-04	1.31E-03	6.64E-03	1.46E-03	1.43E-03	5.62E-02
2282	494711.06	3859951.99	0.00985	0.00898	0.00633	0.01355	0.00609	0.08749	0.00878	0.00898	4.73E-02	3.82E-04	1.52E-08	3.28E-04	1.31E-03	5.66E-03	1.43E-03	1.41E-03	5.50E-02
2283	494761.06	3859951.99	0.00977	0.00892	0.00628	0.01342	0.00612	0.07736	0.00872	0.00892	4.69E-02	3.80E-04	1.51E-08	3.25E-04	1.32E-03	5.01E-03	1.42E-03	1.40E-03	5.39E-02
2284	494811.06	3859951.99	0.00969	0.00884	0.00623	0.01328	0.00614	0.06965	0.00865	0.00884	4.65E-02	3.76E-04	1.49E-08	3.22E-04	1.32E-03	4.51E-03	1.41E-03	1.38E-03	5.31E-02
2285	494861.06	3859951.99	0.0096	0.0088	0.0062	0.01319	0.00616	0.06376	0.00861	0.0088	4.61E-02	3.74E-04	1.49E-08	3.20E-04	1.33E-03	4.13E-03	1.41E-03	1.38E-03	5.22E-02
2286	494911.06	3859951.99	0.00954	0.00868	0.00613	0.013	0.00617	0.05854	0.00849	0.00868	4.58E-02	3.69E-04	1.47E-08	3.15E-04	1.33E-03	3.79E-03	1.39E-03	1.36E-03	5.16E-02
2287	494961.06	3859951.99	0.00948	0.00858	0.00607	0.01283	0.00618	0.05428	0.00839	0.00858	4.55E-02	3.65E-04	1.46E-08	3.11E-04	1.33E-03	3.51E-03	1.37E-03	1.34E-03	5.10E-02
2288	495011.06	3859951.99	0.00942	0.00849	0.00601	0.01267	0.00619	0.05076	0.0083	0.00849	4.52E-02	3.61E-04	1.44E-08	3.07E-04	1.34E-03	3.28E-03	1.35E-03	1.33E-03	5.05E-02
2289	495061.06	3859951.99	0.00935	0.00841	0.00596	0.01254	0.0062	0.04784	0.00823	0.00841	4.49E-02	3.58E-04	1.43E-08	3.04E-04	1.34E-03	3.10E-03	1.34E-03	1.32E-03	5.00E-02
2290	495111.06	3859951.99	0.00929	0.0083	0.00589	0.01236	0.00621	0.04515	0.00812	0.0083	4.46E-02	3.53E-04	1.41E-08	2.99E-04	1.34E-03	2.92E-03	1.33E-03	1.30E-03	4.95E-02
2291	495161.06	3859951.99	0.00923	0.0082	0.00583	0.0122	0.00621	0.04278	0.00803	0.0082	4.43E-02	3.49E-04	1.40E-08	2.96E-04	1.34E-03	2.77E-03	1.31E-03	1.28E-03	4.91E-02
2292	495211.06	3859951.99	0.00918	0.00811	0.00577	0.01205	0.00621	0.04068	0.00794	0.00811	4.41E-02	3.45E-04	1.38E-08	2.92E-04	1.34E-03	2.63E-03	1.30E-03	1.27E-03	4.87E-02
2293	495261.06	3859951.99	0.00911	0.00803	0.00572	0.01192	0.00621	0.03888	0.00786	0.00803	4.37E-02	3.42E-04	1.37E-08	2.89E-04	1.34E-03	2.52E-03	1.28E-03	1.26E-03	4.82E-02
2294	495311.06	3859951.99	0.00905	0.00799	0.00569	0.01183	0.00621	0.03739	0.00782	0.00799	4.34E-02	3.40E-04	1.36E-08	2.87E-04	1.34E-03	2.42E-03	1.28E-03	1.25E-03	4.78E-02
2295	495361.06	3859951.99	0.00899	0.00792	0.00564	0.01172	0.00621	0.03593	0.00775	0.00792	4.31E-02	3.37E-04	1.35E-08	2.84E-04	1.34E-03	2.32E-03	1.27E-03	1.24E-03	4.75E-02
2296	495411.06	3859951.99	0.00893	0.00783	0.00558	0.01157	0.00621	0.03449	0.00767	0.00783	4.29E-02	3.33E-04	1.34E-08	2.80E-04	1.34E-03	2.23E-03	1.25E-03	1.23E-03	4.71E-02
2297	495461.06	3859951.99	0.00888	0.00775	0.00553	0.01144	0.0062	0.03321	0.00759	0.00775	4.26E-02	3.30E-04	1.33E-08	2.77E-04	1.34E-03	2.15E-03	1.24E-03	1.21E-03	4.67E-02
2298	495511.06	3859951.99	0.00882	0.00767	0.00548	0.01132	0.0062	0.03201	0.00751	0.00767	4.23E-02	3.26E-04	1.31E-08	2.74E-04	1.34E-03	2.07E-03	1.23E-03	1.20E-03	4.64E-02
2299	495561.06	3859951.99	0.00876	0.00764	0.00546	0.01125	0.0062	0.0311	0.00748	0.00764	4.20E-02	3.25E-04	1.31E-08	2.73E-04	1.34E-03	2.01E-03	1.22E-03	1.20E-03	4.60E-02
2300	495611.06	3859951.99	0.00871	0.00755	0.0054	0.01112	0.00619	0.03004	0.0074	0.00755	4.18E-02	3.21E-04	1.30E-08	2.69E-04	1.34E-03	1.94E-03	1.21E-03	1.18E-03	4.57E-02
2301	495661.06	3859951.99	0.00866	0.00746	0.00534	0.01097	0.00618	0.02901	0.00731	0.00746	4.16E-02	3.17E-04	1.28E-08	2.66E-04	1.33E-03	1.88E-03	1.19E-03	1.17E-03	4.54E-02
2302	494311.06	3860001.99	0.01026	0.01002	0.00673	0.01487	0.0056	0.10351	0.00983	0.01002	4.92E-02	4.26E-04	1.61E-08	3.60E-04	1.21E-03	6.70E-03	1.60E-03	1.57E-03	5.80E-02
2303	494361.06	3860001.99	0.01018	0.0099	0.00666	0.01467	0.00564	0.13318	0.00971	0.0099	4.89E-02	4.21E-04	1.60E-08	3.55E-04	1.22E-03	8.62E-03	1.58E-03	1.55E-03	5.95E-02
2304	494411.06	3860001.99	0.01011	0.00973	0.00656	0.0144	0.00567	0.18914	0.00954	0.00973	4.85E-02	4.14E-04	1.57E-08	3.49E-04	1.22E-03	1.22E-02	1.56E-03	1.52E-03	6.28E-02
2305	494461.06	3860001.99	0.01002	0.00965	0.00651	0.01424	0.0057	0.26005	0.00946	0.00965	4.81E-02	4.11E-04	1.56E-08	3.45E-04	1.23E-03	1.68E-02	1.54E-03	1.51E-03	6.69E-02
2306	494511.06	3860001.99	0.00995	0.00952	0.00643	0.01403	0.00573	0.26657	0.00933	0.00952	4.77E-02	4.05E-04	1.54E-08	3.40E-04	1.24E-03	1.72E-02	1.52E-03	1.49E-03	6.70E-02
2307	494561.06	3860001.99	0.0098	0.00961	0.00646	0.01408	0.00577	0.18041	0.00942	0.00961	4.70E-02	4.09E-04	1.55E-08	3.41E-04	1.24E-03	1.17E-02	1.54E-03	1.51E-03	6.07E-02
2308	494611.06	3860001.99	0.00974	0.00947	0.00638	0.01386	0.0058	0.13676	0.00928	0.00947	4.67E-02	4.03E-04	1.53E-08	3.36E-04	1.25E-03	8.85E-03	1.51E-03	1.48E-03	5.76E-02
2309	494661.06	3860001.99	0.00966	0.0094	0.00633	0.01372	0.00583	0.11011	0.0092	0.0094	4.64E-02	4.00E-04	1.52E-08	3.32E-04	1.26E-03	7.12E-03	1.50E-03	1.47E-03	5.55E-02
2310	494711.06	3860001.99	0.00964	0.00914	0.00619	0.01337	0.00585	0.09173	0.00895	0.00914	4.63E-02	3.89E-04	1.48E-08	3.24E-04	1.26E-03	5.94E-03	1.46E-03	1.43E-03	5.42E-02
2311	494761.06	3860001.99	0.00953	0.00915	0.00619	0.01334	0.00588	0.08054	0.00896	0.00915	4.57E-02	3.89E-04	1.48E-08	3.23E-04	1.27E-03	5.21E-03	1.46E-03	1.43E-03	5.30E-02
2312	494811.06	3860001.99	0.00945	0.00909	0.00615	0.01322	0.0059	0.07189	0.0089	0.00909	4.53E-02	3.87E-04	1.47E-08	3.20E-04	1.27E-03	4.65E-03	1.45E-03	1.42E-03	5.20E-02
2313	494861.06	3860001.99	0.00937	0.00905	0.00612	0.01311	0.00593	0.0653	0.00885	0.00905	4.50E-02	3.85E-04	1.47E-08	3.18E-04	1.28E-03	4.23E-03	1.44E-03	1.42E-03	5.12E-02
2314	494911.06	3860001.99	0.00934	0.00882	0.00599	0.01281	0.00595	0.05906	0.00864	0.00882	4.48E-02	3.75E-04	1.44E-08	3.10E-04	1.28E-03	3.82E-03	1.41E-03	1.38E-03	5.06E-02
2315	494961.06	3860001.99	0.00926	0.00877	0.00596	0.01271	0.00596	0.05482	0.00859	0.00877	4.44E-02	3.73E-04	1.43E-08	3.08E-04	1.29E-03	3.55E-03	1.40E-03	1.37E-03	5.00E-02
2316	495011.06	3860001.99	0.00921	0.00867	0.0059	0.01255	0.00598	0.051	0.00848	0.00867	4.42E-02	3.69E-04	1.42E-08	3.04E-04	1.29E-03	3.30E-03	1.38E-03	1.36E-03	4.95E-02
2317	495061.06	3860001.99	0.00913	0.00862	0.00586	0.01245	0.006	0.04807	0.00844	0.00862	4.38E-02	3.67E-04	1.41E-08	3.02E-04	1.29E-03	3.11E-03	1.38E-03	1.35E-03	4.89E-02
2318	495111.06	3860001.99	0.00908	0.00851	0.0058	0.01229	0.00601	0.04527	0.00833	0.00851	4.36E-02	3.62E-04	1.39E-08	2.98E-04	1.30E-03	2.93E-03	1.36E-03	1.33E-03	4.85E-02
2319	495161.06	3860001.99	0.00902	0.00841	0.00574	0.01213	0.00602	0.04283	0.00823	0.00841	4.33E-02	3.58E-04	1.38E-08	2.94E-04	1.30E-03	2.77E-03	1.34E-03	1.32E-03	4.80E-02
2320	495211.06	3860001.99	0.00896	0.00836	0.00571	0.01204	0.00603	0.04092	0.00818	0.00836	4.30E-02	3.56E-04	1.37E-08	2.92E-04	1.30E-03	2.65E-03	1.34E-03	1.31E-03	4.76E-02
2321	495261.06	3860001.99	0.0089	0.00827	0.00565	0.01189	0.00603	0.03897	0.00809	0.00827	4.27E-02	3.52E-04	1.36E-08	2.88E-04	1.30E-03	2.52E-03	1.32E-03	1.30E-03	4.72E-02
2322	495311.06	3860001.99	0.00884	0.0082	0.00561	0.01178	0.00604	0.03731	0.00802	0.0082	4.24E-02	3.49E-04	1.35E-08	2.85E-04	1.30E-03	2.41E-03	1.31E-03	1.28E-03	4.68E-02
2323	495361.06	3860001.99	0.0088	0.00807	0.00553	0.01159	0.00604	0.0355	0.0079	0.00807	4.22E-02	3.43E-04	1.33E-08	2.81E-04	1.30E-03	2.30E-03	1.29E-03	1.26E-03	4.65E-02
2324	495411.06	3860001.99	0.00873	0.00804	0.00551	0.01152	0.00604	0.03428	0.00787	0.00804	4.19E-02	3.42E-04	1.32E-08	2.79E-04	1.30E-03	2.22E-03	1.28E-03	1.26E-03	4.61E-02
2325	495461.06	3860001.99	0.00868	0.00796	0.00546	0.0114	0.00604	0.03295	0.00779	0.00796	4.17E-02	3.39E-04	1.31E-08	2.76E-04	1.30E-03	2.13E-03	1.27E-03	1.25E-03	4.57E-02
2326	495511.06	3860001.99	0.00863	0.00788	0.00541	0.01129	0.00604	0.03174	0.00772	0.00788	4.14E-02	3.35E-04	1.30E-08	2.74E-04	1.30E-03	2.05E-03	1.26E-03	1.23E-03	4.54E-02
2327	495561.06	3860001.99	0.00857	0.00784	0.00538	0.01121	0.00604	0.03072	0.00768	0.00784	4.11E-02	3.34E-04	1.29E-08	2.72E-04	1.30E-03	1.99E-03	1.25E-03	1.23E-03	4.50E-02
2328	495611.06	3860001.99	0.00852	0.00775	0.00533	0.01107	0.00603	0.0296	0.00759	0.00775	4.09E-02	3.30E-04	1.28E-08	2.68E-04	1.30E-03	1.92E-03	1.24E-03	1.21E-03	4.47E-02
2329	495661.06	3860001.99	0.00848	0.00766	0.00527	0.01094	0.00603	0.02858	0.0075	0.00766	4.07E-02	3.26E-04	1.26E-08	2.65E-04	1.30E-03	1.85E-03	1.22E-03	1.20E-03	4.45E-02
2330	494411.06	3860051.99	0.00985	0.01001	0.00649	0.01429	0.00542	0.56697	0.00982	0.01001	4.73E-02	4.26E-04	1.56E-08	3.46E-04	1.17E-03	3.67E-02	1.60E-03	1.57E-03	8.59E-02
2331	494461.06	3860051.99	0.00977	0.00989	0.00642	0.0141	0.00546	0.54135	0.0097	0.00989	4.69E-02	4.21E-04	1.54E-08	3.42E-04	1.18E-03	3.50E-02	1.58E-03	1.55E-03	8.39E-02
2332	494511.06	3860051.99	0.00969	0.00978	0.00635	0.01392	0.00549	0.31154	0.00959	0.00978	4.65E-02	4.16E-04	1.52E-08	3.37E-04	1.18E-03	2.02E-02	1.57E-03	1.53E-03	6.86E-02
2333	494561.06	3860051.99	0.00958	0.00979	0.00634	0.01387	0.00553	0.18495	0.0096	0.00979	4.60E-02	4.17E-04	1.52E-08	3.36E-04	1.19E-03	1.20E-02	1.57E-03	1.53E-03	5.99E-02

2334	494611.06	3860051.99	0.00949	0.00973	0.0063	0.01374	0.00556	0.13498	0.00954	0.00973	4.55E-02	4.14E-04	1.51E-08	3.33E-04	1.20E-03	8.73E-03	1.56E-03	1.52E-03	5.63E-02
2335	494661.06	3860051.99	0.00941	0.00965	0.00625	0.0136	0.00559	0.1086	0.00946	0.00965	4.52E-02	4.11E-04	1.50E-08	3.29E-04	1.21E-03	7.03E-03	1.54E-03	1.51E-03	5.42E-02
2336	494711.06	3860051.99	0.00937	0.00947	0.00616	0.01336	0.00562	0.09178	0.00928	0.00947	4.50E-02	4.03E-04	1.48E-08	3.24E-04	1.21E-03	5.94E-03	1.51E-03	1.48E-03	5.29E-02
2337	494761.06	3860051.99	0.00929	0.0094	0.00611	0.01323	0.00565	0.08026	0.00921	0.0094	4.46E-02	4.00E-04	1.47E-08	3.21E-04	1.22E-03	5.19E-03	1.50E-03	1.47E-03	5.17E-02
2338	494811.06	3860051.99	0.0092	0.00938	0.00609	0.01315	0.00568	0.07192	0.00918	0.00938	4.41E-02	3.99E-04	1.46E-08	3.19E-04	1.23E-03	4.65E-03	1.50E-03	1.47E-03	5.08E-02
2339	494861.06	3860051.99	0.00912	0.00934	0.00606	0.01306	0.0057	0.0654	0.00915	0.00934	4.38E-02	3.97E-04	1.45E-08	3.16E-04	1.23E-03	4.23E-03	1.49E-03	1.46E-03	5.00E-02
2340	494911.06	3860051.99	0.00907	0.0092	0.00598	0.01287	0.00573	0.05979	0.00901	0.0092	4.35E-02	3.91E-04	1.43E-08	3.12E-04	1.24E-03	3.87E-03	1.47E-03	1.44E-03	4.94E-02
2341	494961.06	3860051.99	0.00902	0.00906	0.00591	0.01267	0.00575	0.05505	0.00887	0.00906	4.33E-02	3.85E-04	1.42E-08	3.07E-04	1.24E-03	3.56E-03	1.45E-03	1.42E-03	4.88E-02
2342	495011.06	3860051.99	0.00897	0.00893	0.00584	0.0125	0.00576	0.05113	0.00875	0.00893	4.30E-02	3.80E-04	1.40E-08	3.03E-04	1.24E-03	3.31E-03	1.43E-03	1.40E-03	4.83E-02
2343	495061.06	3860051.99	0.00892	0.00884	0.00578	0.01236	0.00578	0.04792	0.00865	0.00884	4.28E-02	3.76E-04	1.39E-08	2.99E-04	1.25E-03	3.10E-03	1.41E-03	1.38E-03	4.79E-02
2344	495111.06	3860051.99	0.00887	0.00871	0.00571	0.01218	0.0058	0.04497	0.00853	0.00871	4.26E-02	3.71E-04	1.37E-08	2.95E-04	1.25E-03	2.91E-03	1.39E-03	1.36E-03	4.74E-02
2345	495161.06	3860051.99	0.00881	0.00862	0.00566	0.01205	0.00581	0.04256	0.00844	0.00862	4.23E-02	3.67E-04	1.36E-08	2.92E-04	1.25E-03	2.75E-03	1.38E-03	1.35E-03	4.70E-02
2346	495211.06	3860051.99	0.00876	0.00852	0.0056	0.0119	0.00583	0.04035	0.00834	0.00852	4.20E-02	3.63E-04	1.34E-08	2.88E-04	1.26E-03	2.61E-03	1.36E-03	1.33E-03	4.66E-02
2347	495261.06	3860051.99	0.0087	0.00846	0.00556	0.0118	0.00584	0.03849	0.00828	0.00846	4.18E-02	3.60E-04	1.33E-08	2.86E-04	1.26E-03	2.49E-03	1.35E-03	1.33E-03	4.62E-02
2348	495311.06	3860051.99	0.00864	0.0084	0.00553	0.0117	0.00585	0.03684	0.00822	0.0084	4.15E-02	3.57E-04	1.33E-08	2.83E-04	1.26E-03	2.38E-03	1.34E-03	1.32E-03	4.58E-02
2349	495361.06	3860051.99	0.00859	0.00833	0.00548	0.0116	0.00586	0.03527	0.00816	0.00833	4.12E-02	3.54E-04	1.31E-08	2.81E-04	1.26E-03	2.28E-03	1.33E-03	1.30E-03	4.54E-02
2350	495411.06	3860051.99	0.00853	0.00826	0.00544	0.01148	0.00587	0.0338	0.00808	0.00826	4.09E-02	3.51E-04	1.30E-08	2.78E-04	1.27E-03	2.19E-03	1.32E-03	1.29E-03	4.50E-02
2351	495461.06	3860051.99	0.00848	0.00817	0.00539	0.01136	0.00587	0.03242	0.008	0.00817	4.07E-02	3.48E-04	1.29E-08	2.75E-04	1.27E-03	2.10E-03	1.31E-03	1.28E-03	4.47E-02
2352	495511.06	3860051.99	0.00843	0.00811	0.00535	0.01126	0.00588	0.03123	0.00794	0.00811	4.05E-02	3.45E-04	1.28E-08	2.73E-04	1.27E-03	2.02E-03	1.30E-03	1.27E-03	4.44E-02
2353	495561.06	3860051.99	0.00838	0.00804	0.00531	0.01115	0.00588	0.03009	0.00787	0.00804	4.02E-02	3.42E-04	1.27E-08	2.70E-04	1.27E-03	1.95E-03	1.28E-03	1.26E-03	4.41E-02
2354	495611.06	3860051.99	0.00833	0.00795	0.00526	0.01103	0.00588	0.029	0.00779	0.00795	4.00E-02	3.38E-04	1.26E-08	2.67E-04	1.27E-03	1.88E-03	1.27E-03	1.25E-03	4.38E-02
2355	495661.06	3860051.99	0.00829	0.00785	0.0052	0.01088	0.00587	0.02793	0.00769	0.00785	3.98E-02	3.34E-04	1.25E-08	2.64E-04	1.27E-03	1.81E-03	1.26E-03	1.23E-03	4.35E-02
2356	494411.06	3860101.99	0.00962	0.01017	0.00637	0.01404	0.00518	0.29782	0.00999	0.01017	4.62E-02	4.33E-04	1.53E-08	3.40E-04	1.12E-03	1.93E-02	1.63E-03	1.59E-03	6.74E-02
2357	494461.06	3860101.99	0.00951	0.01017	0.00635	0.01397	0.00522	0.21575	0.00998	0.01017	4.56E-02	4.33E-04	1.52E-08	3.38E-04	1.13E-03	1.40E-02	1.63E-03	1.59E-03	6.15E-02
2358	494511.06	3860101.99	0.00945	0.00999	0.00626	0.01373	0.00525	0.16969	0.00981	0.00999	4.53E-02	4.25E-04	1.50E-08	3.33E-04	1.13E-03	1.10E-02	1.60E-03	1.56E-03	5.83E-02
2359	494561.06	3860101.99	0.00936	0.00994	0.00623	0.01362	0.00529	0.13818	0.00975	0.00994	4.49E-02	4.23E-04	1.49E-08	3.30E-04	1.14E-03	8.94E-03	1.59E-03	1.56E-03	5.58E-02
2360	494611.06	3860101.99	0.00926	0.00995	0.00622	0.01357	0.00532	0.11581	0.00976	0.00995	4.44E-02	4.23E-04	1.49E-08	3.29E-04	1.15E-03	7.49E-03	1.59E-03	1.56E-03	5.39E-02
2361	494661.06	3860101.99	0.00917	0.00989	0.00617	0.01345	0.00535	0.09956	0.0097	0.00989	4.40E-02	4.21E-04	1.48E-08	3.26E-04	1.15E-03	6.44E-03	1.58E-03	1.55E-03	5.24E-02
2362	494711.06	3860101.99	0.00913	0.00972	0.00609	0.01324	0.00539	0.087	0.00953	0.00972	4.38E-02	4.14E-04	1.46E-08	3.21E-04	1.16E-03	5.63E-03	1.56E-03	1.52E-03	5.14E-02
2363	494761.06	3860101.99	0.00905	0.00965	0.00604	0.01311	0.00542	0.07748	0.00946	0.00965	4.34E-02	4.11E-04	1.45E-08	3.18E-04	1.17E-03	5.01E-03	1.54E-03	1.51E-03	5.04E-02
2364	494811.06	3860101.99	0.00898	0.00959	0.006	0.01299	0.00544	0.06995	0.0094	0.00959	4.31E-02	4.08E-04	1.44E-08	3.15E-04	1.17E-03	4.53E-03	1.53E-03	1.50E-03	4.95E-02
2365	494861.06	3860101.99	0.00885	0.00965	0.00602	0.01298	0.00546	0.06422	0.00945	0.00965	4.25E-02	4.11E-04	1.44E-08	3.14E-04	1.18E-03	4.16E-03	1.54E-03	1.51E-03	4.86E-02
2366	494911.06	3860101.99	0.00887	0.00936	0.00588	0.01268	0.0055	0.05838	0.00917	0.00936	4.26E-02	3.98E-04	1.41E-08	3.07E-04	1.19E-03	3.78E-03	1.50E-03	1.47E-03	4.83E-02
2367	494961.06	3860101.99	0.0088	0.00928	0.00583	0.01255	0.00553	0.05409	0.00909	0.00928	4.22E-02	3.95E-04	1.40E-08	3.04E-04	1.19E-03	3.50E-03	1.48E-03	1.45E-03	4.77E-02
2368	495011.06	3860101.99	0.00875	0.00916	0.00577	0.01239	0.00555	0.05026	0.00897	0.00916	4.20E-02	3.90E-04	1.38E-08	3.00E-04	1.20E-03	3.25E-03	1.46E-03	1.43E-03	4.72E-02
2369	495061.06	3860101.99	0.0087	0.00905	0.00571	0.01224	0.00557	0.04698	0.00886	0.00905	4.18E-02	3.85E-04	1.37E-08	2.97E-04	1.20E-03	3.04E-03	1.45E-03	1.42E-03	4.67E-02
2370	495111.06	3860101.99	0.00866	0.00891	0.00563	0.01206	0.00559	0.04399	0.00873	0.00891	4.16E-02	3.79E-04	1.35E-08	2.92E-04	1.21E-03	2.85E-03	1.42E-03	1.40E-03	4.63E-02
2371	495161.06	3860101.99	0.0086	0.00885	0.00559	0.01196	0.00561	0.04166	0.00867	0.00885	4.13E-02	3.77E-04	1.34E-08	2.90E-04	1.21E-03	2.70E-03	1.42E-03	1.39E-03	4.59E-02
2372	495211.06	3860101.99	0.00855	0.00876	0.00554	0.01183	0.00563	0.03949	0.00858	0.00876	4.10E-02	3.73E-04	1.33E-08	2.87E-04	1.21E-03	2.56E-03	1.40E-03	1.37E-03	4.55E-02
2373	495261.06	3860101.99	0.0085	0.00868	0.00549	0.01171	0.00564	0.03753	0.0085	0.00868	4.08E-02	3.69E-04	1.32E-08	2.84E-04	1.22E-03	2.43E-03	1.39E-03	1.36E-03	4.51E-02
2374	495311.06	3860101.99	0.00844	0.0086	0.00545	0.0116	0.00566	0.0358	0.00842	0.0086	4.05E-02	3.66E-04	1.31E-08	2.81E-04	1.22E-03	2.32E-03	1.37E-03	1.35E-03	4.47E-02
2375	495361.06	3860101.99	0.00838	0.00855	0.00542	0.01152	0.00567	0.0343	0.00837	0.00855	4.02E-02	3.64E-04	1.30E-08	2.79E-04	1.22E-03	2.22E-03	1.37E-03	1.34E-03	4.43E-02
2376	495411.06	3860101.99	0.00834	0.00847	0.00537	0.0114	0.00568	0.03282	0.00829	0.00847	4.00E-02	3.60E-04	1.29E-08	2.76E-04	1.23E-03	2.12E-03	1.35E-03	1.33E-03	4.40E-02
2377	495461.06	3860101.99	0.0083	0.00835	0.00531	0.01125	0.00569	0.03136	0.00817	0.00835	3.98E-02	3.55E-04	1.27E-08	2.73E-04	1.23E-03	2.03E-03	1.33E-03	1.31E-03	4.37E-02
2378	495511.06	3860101.99	0.00824	0.0083	0.00528	0.01117	0.0057	0.03024	0.00813	0.0083	3.95E-02	3.53E-04	1.27E-08	2.71E-04	1.23E-03	1.96E-03	1.33E-03	1.30E-03	4.34E-02
2379	495561.06	3860101.99	0.00819	0.00825	0.00525	0.01109	0.00571	0.02919	0.00808	0.00825	3.93E-02	3.51E-04	1.26E-08	2.69E-04	1.23E-03	1.89E-03	1.32E-03	1.29E-03	4.31E-02
2380	495611.06	3860101.99	0.00815	0.00814	0.00519	0.01095	0.00571	0.02806	0.00797	0.00814	3.91E-02	3.46E-04	1.24E-08	2.65E-04	1.23E-03	1.82E-03	1.30E-03	1.28E-03	4.28E-02
2381	495661.06	3860101.99	0.0081	0.00807	0.00515	0.01085	0.00572	0.02713	0.0079	0.00807	3.89E-02	3.43E-04	1.24E-08	2.63E-04	1.23E-03	1.76E-03	1.29E-03	1.26E-03	4.25E-02
2382	494861.06	3860151.99	0.0086	0.00998	0.00598	0.01287	0.00522	0.06141	0.00978	0.00998	4.13E-02	4.25E-04	1.43E-08	3.12E-04	1.13E-03	3.97E-03	1.60E-03	1.56E-03	4.71E-02
2383	494911.06	3860151.99	0.00863	0.00965	0.00584	0.01258	0.00527	0.0561	0.00946	0.00965	4.14E-02	4.11E-04	1.40E-08	3.05E-04	1.14E-03	3.63E-03	1.54E-03	1.51E-03	4.69E-02
2384	494961.06	3860151.99	0.00858	0.00953	0.00577	0.01243	0.0053	0.05184	0.00934	0.00953	4.12E-02	4.05E-04	1.38E-08	3.01E-04	1.14E-03	3.35E-03	1.52E-03	1.49E-03	4.64E-02
2385	495011.06	3860151.99	0.00853	0.0094	0.00571	0.01227	0.00533	0.04818	0.00922	0.0094	4.09E-02	4.00E-04	1.37E-08	2.97E-04	1.15E-03	3.12E-03	1.50E-03	1.47E-03	4.59E-02
2386	495061.06	3860151.99	0.00849	0.00928	0.00565	0.01212	0.00536	0.04501	0.0091	0.00928	4.07E-02	3.95E-04	1.36E-08	2.94E-04	1.16E-03	2.91E-03	1.49E-03	1.45E-03	4.55E-02
2387	495111.06	3860151.99	0.00844	0.00919	0.00559	0.01199	0.00539	0.04232	0.009	0.00919	4.05E-02	3.91E-04	1.34E-08	2.90E-04	1.16E-03	2.74E-03	1.47E-03	1.44E-03	4.51E-02
2388	495161.06	3860151.99	0.00839	0.0091	0.00555	0.01188	0.00541	0.03999	0.00892	0.0091	4.03E-02	3.87E-04	1.33E-08	2.88E-04	1.17E-03	2.59E-03	1.46E-03	1.43E-03	4.47E-02
2389	495211.06	3860151.99	0.00834	0.00901	0.00549	0.01175	0.00543	0.03789	0.00882	0.00901	4.00E-02	3.83E-04	1.32E-08	2.85E-04	1.17E-03	2.45E-03	1.44E-03	1.41E-03	4.43E-02
2390	495261.06	3860151.99	0.00829	0.00893	0.00545	0.01164	0.00545	0.03606	0.00875	0.00893	3.98E-02	3.80E-04	1.31E-08	2.82E-04	1.18E-03	2.33E-03	1.43E-03	1.40E-03	4.40E-02

2391	495311.06	3860151.99	0.00823	0.00885	0.0054	0.01153	0.00547	0.03441	0.00867	0.00885	3.95E-02	3.77E-04	1.30E-08	2.79E-04	1.18E-03	2.23E-03	1.42E-03	1.39E-03	4.36E-02
2392	495361.06	3860151.99	0.00818	0.00878	0.00536	0.01143	0.00548	0.03293	0.0086	0.00878	3.93E-02	3.74E-04	1.29E-08	2.77E-04	1.18E-03	2.13E-03	1.40E-03	1.38E-03	4.32E-02
2393	495411.06	3860151.99	0.00814	0.0087	0.00532	0.01132	0.0055	0.03154	0.00852	0.0087	3.91E-02	3.70E-04	1.28E-08	2.74E-04	1.19E-03	2.04E-03	1.39E-03	1.36E-03	4.30E-02
2394	495461.06	3860151.99	0.00809	0.00862	0.00527	0.01122	0.00551	0.03028	0.00844	0.00862	3.88E-02	3.67E-04	1.26E-08	2.72E-04	1.19E-03	1.96E-03	1.38E-03	1.35E-03	4.26E-02
2395	495511.06	3860151.99	0.00805	0.00852	0.00522	0.0111	0.00552	0.02909	0.00835	0.00852	3.86E-02	3.63E-04	1.25E-08	2.69E-04	1.19E-03	1.88E-03	1.36E-03	1.33E-03	4.24E-02
2396	495561.06	3860151.99	0.008	0.00846	0.00519	0.01101	0.00553	0.02807	0.00829	0.00846	3.84E-02	3.60E-04	1.24E-08	2.67E-04	1.19E-03	1.82E-03	1.35E-03	1.33E-03	4.21E-02
2397	495611.06	3860151.99	0.00796	0.00837	0.00514	0.01089	0.00554	0.02707	0.0082	0.00837	3.82E-02	3.56E-04	1.23E-08	2.64E-04	1.19E-03	1.75E-03	1.34E-03	1.31E-03	4.18E-02
2398	495661.06	3860151.99	0.00792	0.00827	0.00509	0.01078	0.00555	0.02613	0.0081	0.00827	3.80E-02	3.52E-04	1.22E-08	2.61E-04	1.20E-03	1.69E-03	1.32E-03	1.30E-03	4.15E-02
2399	495718.25	3859442.96	0.01	0.0058	0.00564	0.01081	0.00741	0.03786	0.00575	0.0058	4.80E-02	2.47E-04	1.35E-08	2.62E-04	1.60E-03	2.45E-03	9.39E-04	9.09E-04	5.26E-02
2400	495818.25	3859442.96	0.00983	0.00569	0.0055	0.01056	0.00732	0.03518	0.00565	0.00569	4.72E-02	2.42E-04	1.32E-08	2.56E-04	1.58E-03	2.28E-03	9.22E-04	8.91E-04	5.16E-02
2401	495918.25	3859442.96	0.00968	0.00561	0.00539	0.01037	0.00726	0.03299	0.00557	0.00561	4.65E-02	2.39E-04	1.29E-08	2.51E-04	1.57E-03	2.13E-03	9.09E-04	8.79E-04	5.07E-02
2402	496018.25	3859442.96	0.00954	0.00554	0.0053	0.0102	0.00722	0.03111	0.0055	0.00554	4.58E-02	2.36E-04	1.27E-08	2.47E-04	1.56E-03	2.01E-03	8.98E-04	8.68E-04	4.99E-02
2403	496118.25	3859442.96	0.00943	0.00554	0.00527	0.01018	0.00729	0.02967	0.0055	0.00554	4.53E-02	2.36E-04	1.26E-08	2.47E-04	1.57E-03	1.92E-03	8.98E-04	8.68E-04	4.93E-02
2404	496218.25	3859442.96	0.00932	0.00552	0.00524	0.01014	0.00735	0.02834	0.00549	0.00552	4.47E-02	2.35E-04	1.26E-08	2.46E-04	1.59E-03	1.83E-03	8.96E-04	8.65E-04	4.87E-02
2405	496318.25	3859442.96	0.00919	0.00547	0.00516	0.00998	0.00731	0.02699	0.00543	0.00547	4.41E-02	2.33E-04	1.24E-08	2.42E-04	1.58E-03	1.75E-03	8.86E-04	8.57E-04	4.79E-02
2406	496418.25	3859442.96	0.00906	0.0054	0.00507	0.00982	0.00726	0.02574	0.00537	0.0054	4.35E-02	2.30E-04	1.22E-08	2.38E-04	1.57E-03	1.67E-03	8.77E-04	8.46E-04	4.72E-02
2407	495718.25	3859542.96	0.00981	0.00607	0.00559	0.0109	0.00725	0.03404	0.00601	0.00607	4.71E-02	2.58E-04	1.34E-08	2.64E-04	1.56E-03	2.20E-03	9.81E-04	9.51E-04	5.14E-02
2408	495818.25	3859542.96	0.00966	0.00598	0.00548	0.0107	0.0072	0.03174	0.00592	0.00598	4.64E-02	2.54E-04	1.31E-08	2.59E-04	1.55E-03	2.05E-03	9.66E-04	9.37E-04	5.05E-02
2409	495918.25	3859542.96	0.00951	0.00587	0.00535	0.01047	0.00714	0.02975	0.00582	0.00587	4.56E-02	2.50E-04	1.28E-08	2.54E-04	1.54E-03	1.92E-03	9.50E-04	9.20E-04	4.96E-02
2410	496018.25	3859542.96	0.00937	0.00578	0.00525	0.01027	0.00708	0.02808	0.00574	0.00578	4.50E-02	2.46E-04	1.26E-08	2.49E-04	1.53E-03	1.82E-03	9.37E-04	9.05E-04	4.88E-02
2411	496118.25	3859542.96	0.00925	0.00578	0.00523	0.01025	0.00715	0.02691	0.00573	0.00578	4.44E-02	2.46E-04	1.25E-08	2.48E-04	1.54E-03	1.74E-03	9.35E-04	9.05E-04	4.82E-02
2412	496218.25	3859542.96	0.00913	0.00575	0.00519	0.01018	0.00717	0.0258	0.0057	0.00575	4.38E-02	2.45E-04	1.24E-08	2.47E-04	1.55E-03	1.67E-03	9.30E-04	9.01E-04	4.76E-02
2413	496318.25	3859542.96	0.00901	0.00571	0.00513	0.01008	0.00718	0.02477	0.00566	0.00571	4.32E-02	2.43E-04	1.23E-08	2.44E-04	1.55E-03	1.60E-03	9.24E-04	8.94E-04	4.69E-02
2414	496418.25	3859542.96	0.00889	0.00563	0.00503	0.00988	0.00711	0.02371	0.00558	0.00563	4.27E-02	2.40E-04	1.21E-08	2.39E-04	1.53E-03	1.53E-03	9.11E-04	8.82E-04	4.62E-02
2415	495718.25	3859642.96	0.00959	0.00635	0.00555	0.0109	0.00702	0.03164	0.00626	0.00635	4.60E-02	2.70E-04	1.33E-08	2.64E-04	1.51E-03	2.05E-03	1.02E-03	9.95E-04	5.01E-02
2416	495818.25	3859642.96	0.00944	0.00623	0.00542	0.01067	0.00697	0.0296	0.00616	0.00623	4.53E-02	2.65E-04	1.30E-08	2.59E-04	1.50E-03	1.92E-03	1.01E-03	9.76E-04	4.93E-02
2417	495918.25	3859642.96	0.00929	0.00615	0.00533	0.0105	0.00695	0.02795	0.00608	0.00615	4.46E-02	2.62E-04	1.28E-08	2.54E-04	1.50E-03	1.81E-03	9.92E-04	9.63E-04	4.84E-02
2418	496018.25	3859642.96	0.00916	0.00605	0.00521	0.0103	0.00691	0.02645	0.00599	0.00605	4.40E-02	2.57E-04	1.25E-08	2.50E-04	1.49E-03	1.71E-03	9.78E-04	9.48E-04	4.77E-02
2419	496118.25	3859642.96	0.00906	0.00606	0.00522	0.01031	0.00697	0.02547	0.00599	0.00606	4.35E-02	2.58E-04	1.25E-08	2.50E-04	1.50E-03	1.65E-03	9.78E-04	9.49E-04	4.72E-02
2420	496218.25	3859642.96	0.00894	0.00604	0.0052	0.01026	0.00701	0.02452	0.00597	0.00604	4.29E-02	2.57E-04	1.25E-08	2.49E-04	1.51E-03	1.59E-03	9.74E-04	9.46E-04	4.65E-02
2421	496318.25	3859642.96	0.00882	0.00596	0.00511	0.0101	0.00697	0.02349	0.00589	0.00596	4.23E-02	2.54E-04	1.23E-08	2.45E-04	1.50E-03	1.52E-03	9.61E-04	9.34E-04	4.59E-02
2422	496418.25	3859642.96	0.00865	0.00574	0.00487	0.00965	0.00678	0.02213	0.00569	0.00574	4.15E-02	2.44E-04	1.17E-08	2.34E-04	1.46E-03	1.43E-03	9.29E-04	8.99E-04	4.49E-02
2423	495718.25	3859742.96	0.00932	0.00669	0.00553	0.01097	0.00679	0.03009	0.00659	0.00669	4.47E-02	2.85E-04	1.33E-08	2.66E-04	1.46E-03	1.95E-03	1.08E-03	1.05E-03	4.87E-02
2424	495818.25	3859742.96	0.0092	0.00656	0.0054	0.0107	0.00674	0.02826	0.00646	0.00656	4.41E-02	2.79E-04	1.30E-08	2.59E-04	1.45E-03	1.83E-03	1.05E-03	1.03E-03	4.80E-02
2425	495918.25	3859742.96	0.00907	0.00645	0.00529	0.0105	0.00671	0.02674	0.00636	0.00645	4.35E-02	2.74E-04	1.27E-08	2.54E-04	1.45E-03	1.73E-03	1.04E-03	1.01E-03	4.73E-02
2426	496018.25	3859742.96	0.00894	0.00634	0.00518	0.01029	0.00668	0.02536	0.00625	0.00634	4.29E-02	2.70E-04	1.24E-08	2.49E-04	1.44E-03	1.64E-03	1.02E-03	9.93E-04	4.65E-02
2427	496118.25	3859742.96	0.00883	0.00633	0.00517	0.01027	0.00672	0.02447	0.00624	0.00633	4.24E-02	2.69E-04	1.24E-08	2.49E-04	1.45E-03	1.58E-03	1.02E-03	9.92E-04	4.60E-02
2428	496218.25	3859742.96	0.0087	0.00635	0.00518	0.01029	0.00677	0.02374	0.00626	0.00635	4.18E-02	2.70E-04	1.24E-08	2.49E-04	1.46E-03	1.54E-03	1.02E-03	9.95E-04	4.53E-02
2429	496318.25	3859742.96	0.00858	0.00613	0.00498	0.0099	0.00665	0.02234	0.00606	0.00613	4.12E-02	2.61E-04	1.19E-08	2.40E-04	1.43E-03	1.45E-03	9.89E-04	9.60E-04	4.46E-02
2430	496418.25	3859742.96	0.00846	0.00592	0.00477	0.00955	0.00654	0.02109	0.00586	0.00592	4.06E-02	2.52E-04	1.14E-08	2.31E-04	1.41E-03	1.36E-03	9.57E-04	9.27E-04	4.39E-02
2431	495718.25	3859842.96	0.00898	0.00703	0.00545	0.01095	0.0065	0.02901	0.0069	0.00703	4.31E-02	2.99E-04	1.31E-08	2.65E-04	1.40E-03	1.88E-03	1.13E-03	1.10E-03	4.70E-02
2432	495818.25	3859842.96	0.00886	0.00691	0.00535	0.01073	0.00648	0.02744	0.00679	0.00691	4.25E-02	2.94E-04	1.28E-08	2.60E-04	1.40E-03	1.78E-03	1.11E-03	1.08E-03	4.63E-02
2433	495918.25	3859842.96	0.00875	0.00679	0.00524	0.01052	0.00646	0.02601	0.00667	0.00679	4.20E-02	2.89E-04	1.26E-08	2.55E-04	1.39E-03	1.68E-03	1.09E-03	1.06E-03	4.56E-02
2434	496018.25	3859842.96	0.00864	0.00671	0.00518	0.01037	0.00645	0.02485	0.0066	0.00671	4.15E-02	2.86E-04	1.24E-08	2.51E-04	1.39E-03	1.61E-03	1.08E-03	1.05E-03	4.50E-02
2435	496118.25	3859842.96	0.0085	0.00672	0.00519	0.0104	0.0065	0.0241	0.00661	0.00672	4.08E-02	2.86E-04	1.24E-08	2.52E-04	1.40E-03	1.56E-03	1.08E-03	1.05E-03	4.43E-02
2436	496218.25	3859842.96	0.00842	0.00652	0.00501	0.01004	0.00642	0.02267	0.00642	0.00652	4.04E-02	2.77E-04	1.20E-08	2.43E-04	1.38E-03	1.47E-03	1.05E-03	1.02E-03	4.38E-02
2437	496318.25	3859842.96	0.00832	0.00614	0.0047	0.00941	0.00621	0.02078	0.00607	0.00614	3.99E-02	2.61E-04	1.13E-08	2.28E-04	1.34E-03	1.34E-03	9.91E-04	9.62E-04	4.31E-02
2438	496418.25	3859842.96	0.00815	0.00592	0.00449	0.009	0.00605	0.01947	0.00587	0.00592	3.91E-02	2.52E-04	1.08E-08	2.18E-04	1.30E-03	1.26E-03	9.58E-04	9.27E-04	4.22E-02
2439	495718.25	3859942.96	0.00863	0.00737	0.00531	0.01088	0.0062	0.02817	0.00723	0.00737	4.14E-02	3.14E-04	1.27E-08	2.64E-04	1.34E-03	1.82E-03	1.18E-03	1.15E-03	4.52E-02
2440	495818.25	3859942.96	0.00853	0.00723	0.00521	0.01065	0.00618	0.02656	0.0071	0.00723	4.09E-02	3.08E-04	1.25E-08	2.58E-04	1.33E-03	1.72E-03	1.16E-03	1.13E-03	4.46E-02
2441	495918.25	3859942.96	0.00842	0.00714	0.00514	0.01048	0.00617	0.02523	0.007	0.00714	4.04E-02	3.04E-04	1.23E-08	2.54E-04	1.33E-03	1.63E-03	1.14E-03	1.12E-03	4.40E-02
2442	496018.25	3859942.96	0.00829	0.00712	0.00513	0.01043	0.00619	0.02431	0.00699	0.00712	3.98E-02	3.03E-04	1.23E-08	2.53E-04	1.34E-03	1.57E-03	1.14E-03	1.12E-03	4.33E-02
2443	496118.25	3859942.96	0.00822	0.00693	0.00499	0.01013	0.00615	0.0229	0.00681	0.00693	3.94E-02	2.95E-04	1.20E-08	2.45E-04	1.33E-03	1.48E-03	1.11E-03	1.09E-03	4.28E-02
2444	496218.25	3859942.96	0.00816	0.00664	0.00478	0.0097	0.00606	0.02131	0.00654	0.00664	3.92E-02	2.83E-04	1.15E-08	2.35E-04	1.31E-03	1.38E-03	1.07E-03	1.04E-03	4.24E-02
2445	496318.25	3859942.96	0.00807	0.00637	0.00458	0.00926	0.00595	0.01986	0.00628	0.00637	3.87E-02	2.71E-04	1.10E-08	2.24E-04	1.28E-03	1.28E-03	1.03E-03	9.98E-04	4.18E-02
2446	496418.25	3859942.96	0.00791	0.00605	0.00432	0.00872	0.00574	0.01833	0.00599	0.00605	3.80E-02	2.57E-04	1.04E-08	2.11E-04	1.24E-03	1.19E-03	9.78E-04	9.48E-04	4.09E-02
2447	496856.82	3858864.83	0.00867	0.00426	0.00485	0.00864	0.00735	0.03206	0.00426	0.00426	4.16E-02	1.81E-04	1.16E-08	2.09E-04	1.59E-03	2.07E-03	6.95E-04	6.67E-04	4.57E-02

2448	496956.82	3858864.83	0.00855	0.00422	0.00477	0.00851	0.00725	0.02949	0.00422	0.00422	4.10E-02	1.80E-04	1.14E-08	2.06E-04	1.56E-03	1.91E-03	6.89E-04	6.61E-04	4.49E-02
2449	497056.82	3858864.83	0.00842	0.00418	0.0047	0.00838	0.00715	0.02734	0.00418	0.00418	4.04E-02	1.78E-04	1.13E-08	2.03E-04	1.54E-03	1.77E-03	6.82E-04	6.55E-04	4.41E-02
2450	497156.82	3858864.83	0.00828	0.00414	0.00462	0.00824	0.00704	0.02547	0.00414	0.00414	3.97E-02	1.76E-04	1.11E-08	2.00E-04	1.52E-03	1.65E-03	6.76E-04	6.49E-04	4.33E-02
2451	497256.82	3858864.83	0.0082	0.00412	0.00457	0.00816	0.00699	0.02398	0.00412	0.00412	3.94E-02	1.75E-04	1.10E-08	1.98E-04	1.51E-03	1.55E-03	6.73E-04	6.45E-04	4.28E-02
2452	496856.82	3858964.83	0.00875	0.00439	0.00485	0.00874	0.00739	0.03016	0.00439	0.00439	4.20E-02	1.87E-04	1.16E-08	2.12E-04	1.59E-03	1.95E-03	7.17E-04	6.88E-04	4.60E-02
2453	496956.82	3858964.83	0.00859	0.00433	0.00475	0.00857	0.00725	0.02779	0.00434	0.00433	4.12E-02	1.84E-04	1.14E-08	2.08E-04	1.56E-03	1.80E-03	7.08E-04	6.78E-04	4.50E-02
2454	497056.82	3858964.83	0.00846	0.00429	0.00468	0.00844	0.00715	0.02584	0.00429	0.00429	4.06E-02	1.83E-04	1.12E-08	2.04E-04	1.54E-03	1.67E-03	7.00E-04	6.72E-04	4.42E-02
2455	497156.82	3858964.83	0.00832	0.00425	0.0046	0.0083	0.00704	0.02416	0.00425	0.00425	3.99E-02	1.81E-04	1.10E-08	2.01E-04	1.52E-03	1.56E-03	6.94E-04	6.66E-04	4.34E-02
2456	497256.82	3858964.83	0.0083	0.00426	0.00459	0.0083	0.00707	0.02294	0.00426	0.00426	3.98E-02	1.81E-04	1.10E-08	2.01E-04	1.52E-03	1.48E-03	6.95E-04	6.67E-04	4.33E-02
2457	496856.82	3859064.83	0.00873	0.00449	0.0048	0.00876	0.00732	0.02773	0.0045	0.00449	4.19E-02	1.91E-04	1.15E-08	2.12E-04	1.58E-03	1.79E-03	7.35E-04	7.03E-04	4.57E-02
2458	496956.82	3859064.83	0.00859	0.00444	0.00471	0.00861	0.00722	0.02579	0.00445	0.00444	4.12E-02	1.89E-04	1.13E-08	2.09E-04	1.56E-03	1.67E-03	7.26E-04	6.96E-04	4.49E-02
2459	497056.82	3859064.83	0.00847	0.0044	0.00464	0.00849	0.00714	0.02417	0.00441	0.0044	4.06E-02	1.87E-04	1.11E-08	2.06E-04	1.54E-03	1.56E-03	7.20E-04	6.89E-04	4.42E-02
2460	497156.82	3859064.83	0.00835	0.00437	0.00458	0.00838	0.00706	0.02278	0.00437	0.00437	4.01E-02	1.86E-04	1.10E-08	2.03E-04	1.52E-03	1.47E-03	7.13E-04	6.85E-04	4.35E-02
2461	497256.82	3859064.83	0.00835	0.0044	0.00458	0.00843	0.00715	0.02181	0.0044	0.0044	4.01E-02	1.87E-04	1.10E-08	2.04E-04	1.54E-03	1.41E-03	7.18E-04	6.89E-04	4.34E-02
2462	496856.82	3859164.83	0.00865	0.00458	0.00472	0.00871	0.00715	0.02555	0.00458	0.00458	4.15E-02	1.95E-04	1.13E-08	2.11E-04	1.54E-03	1.65E-03	7.48E-04	7.17E-04	4.51E-02
2463	496956.82	3859164.83	0.0085	0.00453	0.00463	0.00855	0.00705	0.02395	0.00453	0.00453	4.08E-02	1.93E-04	1.11E-08	2.07E-04	1.52E-03	1.55E-03	7.39E-04	7.10E-04	4.43E-02
2464	497056.82	3859164.83	0.00841	0.0045	0.00457	0.00846	0.00702	0.02267	0.0045	0.0045	4.04E-02	1.91E-04	1.10E-08	2.05E-04	1.51E-03	1.47E-03	7.35E-04	7.05E-04	4.38E-02
2465	497156.82	3859164.83	0.00836	0.0045	0.00455	0.00846	0.00706	0.02165	0.00451	0.0045	4.01E-02	1.91E-04	1.09E-08	2.05E-04	1.52E-03	1.40E-03	7.36E-04	7.05E-04	4.35E-02
2466	497256.82	3859164.83	0.00836	0.00455	0.00458	0.00854	0.00718	0.02084	0.00455	0.00455	4.01E-02	1.94E-04	1.10E-08	2.07E-04	1.55E-03	1.35E-03	7.43E-04	7.13E-04	4.34E-02
2467	496856.82	3859264.83	0.00852	0.00467	0.0046	0.00861	0.00689	0.02353	0.00466	0.00467	4.09E-02	1.99E-04	1.10E-08	2.09E-04	1.49E-03	1.52E-03	7.61E-04	7.32E-04	4.43E-02
2468	496956.82	3859264.83	0.00844	0.00465	0.00455	0.00854	0.0069	0.02238	0.00464	0.00465	4.05E-02	1.98E-04	1.09E-08	2.07E-04	1.49E-03	1.45E-03	7.57E-04	7.28E-04	4.39E-02
2469	497056.82	3859264.83	0.00838	0.00465	0.00453	0.00853	0.00696	0.02141	0.00465	0.00465	4.02E-02	1.98E-04	1.09E-08	2.07E-04	1.50E-03	1.39E-03	7.59E-04	7.28E-04	4.35E-02
2470	497156.82	3859264.83	0.00832	0.00465	0.00451	0.00852	0.00701	0.02056	0.00465	0.00465	3.99E-02	1.98E-04	1.08E-08	2.06E-04	1.51E-03	1.33E-03	7.59E-04	7.28E-04	4.32E-02
2471	497256.82	3859264.83	0.00829	0.00469	0.00453	0.00858	0.00711	0.01989	0.00468	0.00469	3.98E-02	2.00E-04	1.09E-08	2.08E-04	1.53E-03	1.29E-03	7.64E-04	7.35E-04	4.30E-02
2472	497088.92	3858620.93	0.00807	0.00388	0.00455	0.00808	0.00699	0.02966	0.00388	0.00388	3.87E-02	1.65E-04	1.09E-08	1.96E-04	1.51E-03	1.92E-03	6.33E-04	6.08E-04	4.25E-02
2473	497138.92	3858620.93	0.00804	0.00387	0.00452	0.00805	0.00698	0.02849	0.00388	0.00387	3.86E-02	1.65E-04	1.08E-08	1.95E-04	1.51E-03	1.84E-03	6.33E-04	6.06E-04	4.23E-02
2474	497188.92	3858620.93	0.00797	0.00386	0.00453	0.00799	0.00695	0.0274	0.00386	0.00386	3.82E-02	1.64E-04	1.09E-08	1.94E-04	1.50E-03	1.77E-03	6.30E-04	6.05E-04	4.19E-02
2475	497238.92	3858620.93	0.00792	0.00385	0.0045	0.00794	0.00691	0.02642	0.00385	0.00385	3.80E-02	1.64E-04	1.08E-08	1.92E-04	1.49E-03	1.71E-03	6.28E-04	6.03E-04	4.16E-02
2476	497088.92	3858670.93	0.00806	0.00392	0.00458	0.00808	0.00694	0.02875	0.00392	0.00392	3.87E-02	1.67E-04	1.10E-08	1.96E-04	1.50E-03	1.86E-03	6.40E-04	6.14E-04	4.24E-02
2477	497138.92	3858670.93	0.00806	0.00392	0.00457	0.00807	0.00695	0.02774	0.00392	0.00392	3.87E-02	1.67E-04	1.10E-08	1.96E-04	1.50E-03	1.79E-03	6.40E-04	6.14E-04	4.24E-02
2478	497188.92	3858670.93	0.00799	0.0039	0.00453	0.008	0.0069	0.02671	0.00391	0.0039	3.83E-02	1.66E-04	1.09E-08	1.94E-04	1.49E-03	1.73E-03	6.38E-04	6.11E-04	4.19E-02
2479	497238.92	3858670.93	0.00797	0.0039	0.00451	0.00797	0.00688	0.02584	0.0039	0.0039	3.82E-02	1.66E-04	1.08E-08	1.93E-04	1.48E-03	1.67E-03	6.37E-04	6.11E-04	4.18E-02
2480	497088.92	3858720.93	0.00821	0.00399	0.00461	0.00817	0.00707	0.02817	0.00399	0.00399	3.94E-02	1.70E-04	1.11E-08	1.98E-04	1.52E-03	1.82E-03	6.51E-04	6.25E-04	4.31E-02
2481	497138.92	3858720.93	0.00803	0.00394	0.00454	0.00803	0.00685	0.02697	0.00394	0.00394	3.85E-02	1.68E-04	1.09E-08	1.95E-04	1.48E-03	1.75E-03	6.43E-04	6.17E-04	4.21E-02
2482	497188.92	3858720.93	0.00798	0.00393	0.00451	0.00798	0.00682	0.02605	0.00393	0.00393	3.83E-02	1.67E-04	1.08E-08	1.93E-04	1.47E-03	1.69E-03	6.41E-04	6.16E-04	4.18E-02
2483	497238.92	3858720.93	0.00806	0.00395	0.00452	0.00801	0.00696	0.02538	0.00395	0.00395	3.87E-02	1.68E-04	1.08E-08	1.94E-04	1.50E-03	1.64E-03	6.45E-04	6.19E-04	4.22E-02
2484	497088.92	3858770.93	0.00824	0.00403	0.00461	0.00819	0.00705	0.02757	0.00404	0.00403	3.95E-02	1.71E-04	1.11E-08	1.98E-04	1.52E-03	1.78E-03	6.59E-04	6.31E-04	4.32E-02
2485	497138.92	3858770.93	0.00816	0.00401	0.00456	0.00811	0.00699	0.02657	0.00401	0.00401	3.92E-02	1.71E-04	1.09E-08	1.96E-04	1.51E-03	1.72E-03	6.55E-04	6.28E-04	4.28E-02
2486	497188.92	3858770.93	0.00812	0.00399	0.00452	0.00805	0.00694	0.02567	0.00399	0.00399	3.90E-02	1.70E-04	1.08E-08	1.95E-04	1.50E-03	1.66E-03	6.51E-04	6.25E-04	4.25E-02
2487	497238.92	3858770.93	0.00815	0.004	0.00453	0.00806	0.00696	0.02498	0.00401	0.004	3.91E-02	1.70E-04	1.09E-08	1.95E-04	1.50E-03	1.62E-03	6.55E-04	6.27E-04	4.26E-02
2488	497396.65	3858622.63	0.0081	0.00391	0.00452	0.00804	0.00714	0.02418	0.00392	0.00391	3.89E-02	1.66E-04	1.08E-08	1.95E-04	1.54E-03	1.56E-03	6.40E-04	6.13E-04	4.24E-02
2489	497496.65	3858622.63	0.00816	0.00394	0.00454	0.00809	0.00723	0.02306	0.00396	0.00394	3.92E-02	1.68E-04	1.09E-08	1.96E-04	1.56E-03	1.49E-03	6.46E-04	6.17E-04	4.26E-02
2490	497596.65	3858622.63	0.0083	0.00402	0.00461	0.00824	0.00741	0.02216	0.00404	0.00402	3.98E-02	1.71E-04	1.11E-08	2.00E-04	1.60E-03	1.43E-03	6.59E-04	6.30E-04	4.33E-02
2491	497696.65	3858622.63	0.00828	0.00404	0.00461	0.00825	0.00744	0.02124	0.00406	0.00404	3.97E-02	1.72E-04	1.11E-08	2.00E-04	1.60E-03	1.37E-03	6.63E-04	6.33E-04	4.31E-02
2492	497796.65	3858622.63	0.00832	0.00408	0.00464	0.00832	0.00755	0.02042	0.00411	0.00408	3.99E-02	1.74E-04	1.11E-08	2.02E-04	1.63E-03	1.32E-03	6.71E-04	6.39E-04	4.33E-02
2493	497896.65	3858622.63	0.00834	0.00413	0.00467	0.0084	0.00766	0.0197	0.00416	0.00413	4.00E-02	1.76E-04	1.12E-08	2.04E-04	1.65E-03	1.27E-03	6.79E-04	6.47E-04	4.34E-02
2494	497396.65	3858722.63	0.00821	0.00403	0.00459	0.00816	0.00715	0.02358	0.00404	0.00403	3.94E-02	1.71E-04	1.10E-08	1.98E-04	1.54E-03	1.53E-03	6.59E-04	6.31E-04	4.29E-02
2495	497496.65	3858722.63	0.00826	0.00406	0.00461	0.00822	0.00724	0.02257	0.00408	0.00406	3.96E-02	1.73E-04	1.11E-08	1.99E-04	1.56E-03	1.46E-03	6.66E-04	6.36E-04	4.31E-02
2496	497596.65	3858722.63	0.00835	0.00413	0.00465	0.00836	0.00741	0.02175	0.00414	0.00413	4.01E-02	1.76E-04	1.12E-08	2.03E-04	1.60E-03	1.41E-03	6.76E-04	6.47E-04	4.35E-02
2497	497696.65	3858722.63	0.00837	0.00416	0.00467	0.00842	0.0075	0.0209	0.00418	0.00416	4.02E-02	1.77E-04	1.12E-08	2.04E-04	1.62E-03	1.35E-03	6.82E-04	6.52E-04	4.35E-02
2498	497796.65	3858722.63	0.00834	0.00418	0.00466	0.00842	0.00753	0.02007	0.0042	0.00418	4.00E-02	1.78E-04	1.12E-08	2.04E-04	1.62E-03	1.30E-03	6.86E-04	6.55E-04	4.34E-02
2499	497896.65	3858722.63	0.00832	0.00422	0.00468	0.00847	0.00759	0.01934	0.00424	0.00422	3.99E-02	1.80E-04	1.12E-08	2.05E-04	1.64E-03	1.25E-03	6.92E-04	6.61E-04	4.32E-02
2500	497396.65	3858822.63	0.00825	0.00413	0.0046	0.00822	0.00712	0.02287	0.00413	0.00413	3.96E-02	1.76E-04	1.10E-08	1.99E-04	1.54E-03	1.48E-03	6.74E-04	6.47E-04	4.30E-02
2501	497496.65	3858822.63	0.00827	0.00415	0.0046	0.00826	0.00719	0.0219	0.00416	0.00415	3.97E-02	1.77E-04	1.10E-08	2.00E-04	1.55E-03	1.42E-03	6.79E-04	6.50E-04	4.31E-02
2502	497596.65	3858822.63	0.00838	0.00422	0.00465	0.00844	0.00739	0.02112	0.00424	0.00422	4.02E-02	1.80E-04	1.12E-08	2.04E-04	1.59E-03	1.37E-03	6.92E-04	6.61E-04	4.36E-02
2503	497696.65	3858822.63	0.00835	0.00426	0.00468	0.00847	0.00744	0.02033	0.00427	0.00426	4.01E-02	1.81E-04	1.12E-08	2.05E-04	1.60E-03	1.32E-03	6.97E-04	6.67E-04	4.34E-02
2504	497796.65	3858822.63	0.00832	0.00427	0.00467	0.00848	0.00748	0.01952	0.00429	0.00427	3.99E-02	1.82E-04	1.12E-08	2.05E-04	1.61E-03	1.26E-03	7.00E-04	6.69E-04	4.32E-02

2505	497896.65	3858822.63	0.00832	0.00434	0.00471	0.00859	0.00759	0.01889	0.00435	0.00434
2506	497396.65	3858922.63	0.00828	0.00423	0.00458	0.00829	0.00712	0.02194	0.00424	0.00423
2507	497496.65	3858922.63	0.00835	0.0043	0.00464	0.00843	0.00729	0.02115	0.0043	0.0043
2508	497596.65	3858922.63	0.00828	0.00429	0.0046	0.00838	0.00726	0.02024	0.0043	0.00429
2509	497696.65	3858922.63	0.00834	0.00436	0.00467	0.00856	0.00744	0.0196	0.00437	0.00436
2510	497796.65	3858922.63	0.00831	0.00442	0.00471	0.00863	0.00752	0.01901	0.00442	0.00442
2511	497896.65	3858922.63	0.00831	0.00449	0.00475	0.00879	0.00766	0.01848	0.00449	0.00449
2512	497364.44	3858201.52	0.00776	0.00361	0.00439	0.00793	0.00735	0.03362	0.00361	0.00361
2513	497414.44	3858201.52	0.00781	0.00362	0.00439	0.00795	0.00736	0.03177	0.00362	0.00362
2514	497464.44	3858201.52	0.00785	0.00364	0.00439	0.00797	0.00739	0.03023	0.00364	0.00364
2515	497514.44	3858201.52	0.00784	0.00365	0.00442	0.00796	0.00741	0.02896	0.00365	0.00365
2516	497564.44	3858201.52	0.00781	0.00364	0.0044	0.00791	0.00738	0.02777	0.00364	0.00364
2517	497614.44	3858201.52	0.00781	0.00364	0.0044	0.0079	0.00737	0.0267	0.00365	0.00364
2518	497364.44	3858251.52	0.00786	0.00366	0.00444	0.00799	0.00737	0.03164	0.00366	0.00366
2519	497414.44	3858251.52	0.00792	0.00368	0.00446	0.00803	0.00743	0.03015	0.00368	0.00368
2520	497464.44	3858251.52	0.00786	0.00367	0.00443	0.00797	0.00737	0.02887	0.00367	0.00367
2521	497514.44	3858251.52	0.00779	0.00365	0.0044	0.0079	0.00731	0.02768	0.00366	0.00365
2522	497564.44	3858251.52	0.00776	0.00365	0.00438	0.00786	0.00727	0.0266	0.00365	0.00365
2523	497614.44	3858251.52	0.00773	0.00364	0.00437	0.00782	0.00724	0.02562	0.00365	0.00364
2524	497364.44	3858301.52	0.00789	0.00369	0.00445	0.00798	0.00733	0.03009	0.00369	0.00369
2525	497414.44	3858301.52	0.00792	0.0037	0.00446	0.008	0.00736	0.02884	0.00371	0.0037
2526	497464.44	3858301.52	0.00784	0.00368	0.00442	0.00793	0.00729	0.02769	0.00369	0.00368
2527	497514.44	3858301.52	0.00779	0.00367	0.0044	0.00787	0.00724	0.02662	0.00368	0.00367
2528	497564.44	3858301.52	0.00772	0.00366	0.00437	0.0078	0.00717	0.02562	0.00366	0.00366
2529	497614.44	3858301.52	0.00768	0.00365	0.00435	0.00776	0.00714	0.02472	0.00365	0.00365
2530	497364.44	3858351.52	0.00792	0.00372	0.00447	0.008	0.0073	0.02885	0.00373	0.00372
2531	497414.44	3858351.52	0.00787	0.00371	0.00444	0.00794	0.00726	0.02772	0.00372	0.00371
2532	497464.44	3858351.52	0.00784	0.00371	0.00442	0.0079	0.00723	0.02668	0.00371	0.00371
2533	497514.44	3858351.52	0.0078	0.0037	0.0044	0.00786	0.00719	0.02571	0.0037	0.0037
2534	497564.44	3858351.52	0.00771	0.00368	0.00436	0.00777	0.00711	0.02479	0.00368	0.00368
2535	497614.44	3858351.52	0.00768	0.00367	0.00435	0.00773	0.00708	0.02395	0.00367	0.00367
2536	497364.44	3858401.52	0.00789	0.00373	0.00444	0.00794	0.00718	0.0277	0.00373	0.00373
2537	497414.44	3858401.52	0.00785	0.00373	0.00444	0.0079	0.00718	0.02673	0.00373	0.00373
2538	497464.44	3858401.52	0.0078	0.00372	0.00441	0.00784	0.00713	0.02578	0.00372	0.00372
2539	497514.44	3858401.52	0.00776	0.00371	0.00439	0.0078	0.00709	0.0249	0.00371	0.00371
2540	497564.44	3858401.52	0.0078	0.00373	0.00439	0.00783	0.00713	0.02411	0.00373	0.00373
2541	497614.44	3858401.52	0.00785	0.00373	0.00439	0.00786	0.00715	0.02334	0.00375	0.00373
2542	493478.11	3860497.94	0.00866	0.01822	0.00593	0.01476	0.00426	0.04438	0.01816	0.01822
2543	493528.11	3860497.94	0.00857	0.01788	0.0059	0.0146	0.00422	0.04376	0.01782	0.01788
2544	493478.11	3860547.94	0.00834	0.01897	0.00563	0.01412	0.00421	0.0366	0.01892	0.01897
2545	493528.11	3860547.94	0.00826	0.01864	0.0056	0.01399	0.00417	0.03616	0.01858	0.01864
2546	493478.11	3860597.94	0.00803	0.01977	0.00536	0.01352	0.00415	0.03082	0.01973	0.01977
2547	493528.11	3860597.94	0.00796	0.0194	0.00533	0.0134	0.00412	0.03056	0.01935	0.0194
2548	493561.88	3860524.64	0.00835	0.01803	0.00573	0.01418	0.00417	0.03909	0.01797	0.01803
2549	493591.88	3860524.64	0.00832	0.01778	0.00572	0.0141	0.00415	0.03889	0.01771	0.01778
2550	493561.88	3860554.64	0.00817	0.01849	0.00555	0.01383	0.00414	0.03507	0.01843	0.01849
2551	493591.88	3860554.64	0.00814	0.01819	0.00555	0.01376	0.00412	0.03495	0.01813	0.01819
2552	492880.5	3860293.11	0.01169	0.02142	0.00772	0.0218	0.00488	0.44943	0.02143	0.02142
2553	492930.5	3860293.11	0.01151	0.02069	0.00771	0.02134	0.00487	0.41029	0.02068	0.02069
2554	492980.5	3860293.11	0.01136	0.01997	0.00767	0.02089	0.00485	0.38808	0.01994	0.01997
2555	493030.5	3860293.11	0.01129	0.01877	0.0075	0.02034	0.00486	0.36135	0.01874	0.01877
2556	493080.5	3860293.11	0.01127	0.01762	0.00731	0.01966	0.00487	0.34386	0.01758	0.01762
2557	493130.5	3860293.11	0.01101	0.01772	0.00736	0.0195	0.0048	0.3469	0.01767	0.01772
2558	493180.5	3860293.11	0.01079	0.01769	0.00739	0.01922	0.00473	0.33685	0.01763	0.01769
2559	493230.5	3860293.11	0.01063	0.01737	0.00736	0.01888	0.00468	0.3321	0.0173	0.01737
2560	493280.5	3860293.11	0.01055	0.01673	0.00725	0.01849	0.00466	0.33885	0.01665	0.01673
2561	493330.5	3860293.11	0.01044	0.01627	0.00718	0.01814	0.00462	0.33194	0.01619	0.01627

3.99E-02	1.85E-04	1.13E-08	2.08E-04	1.64E-03	1.22E-03	7.10E-04	6.80E-04	4.32E-02
3.97E-02	1.80E-04	1.10E-08	2.01E-04	1.54E-03	1.42E-03	6.92E-04	6.63E-04	4.31E-02
4.01E-02	1.83E-04	1.11E-08	2.04E-04	1.57E-03	1.37E-03	7.02E-04	6.74E-04	4.34E-02
3.97E-02	1.83E-04	1.10E-08	2.03E-04	1.57E-03	1.31E-03	7.02E-04	6.72E-04	4.30E-02
4.00E-02	1.86E-04	1.12E-08	2.07E-04	1.60E-03	1.27E-03	7.13E-04	6.83E-04	4.33E-02
3.99E-02	1.88E-04	1.13E-08	2.09E-04	1.62E-03	1.23E-03	7.21E-04	6.92E-04	4.32E-02
3.99E-02	1.91E-04	1.14E-08	2.13E-04	1.65E-03	1.20E-03	7.33E-04	7.03E-04	4.32E-02
3.72E-02	1.54E-04	1.05E-08	1.92E-04	1.59E-03	2.18E-03	5.89E-04	5.66E-04	4.14E-02
3.75E-02	1.54E-04	1.05E-08	1.93E-04	1.59E-03	2.06E-03	5.91E-04	5.67E-04	4.15E-02
3.77E-02	1.55E-04	1.05E-08	1.93E-04	1.59E-03	1.96E-03	5.94E-04	5.70E-04	4.16E-02
3.76E-02	1.55E-04	1.06E-08	1.93E-04	1.60E-03	1.87E-03	5.96E-04	5.72E-04	4.15E-02
3.75E-02	1.55E-04	1.06E-08	1.92E-04	1.59E-03	1.80E-03	5.94E-04	5.70E-04	4.12E-02
3.75E-02	1.55E-04	1.06E-08	1.91E-04	1.59E-03	1.73E-03	5.96E-04	5.70E-04	4.12E-02
3.77E-02	1.56E-04	1.06E-08	1.94E-04	1.59E-03	2.05E-03	5.97E-04	5.73E-04	4.17E-02
3.80E-02	1.57E-04	1.07E-08	1.95E-04	1.60E-03	1.95E-03	6.01E-04	5.76E-04	4.19E-02
3.77E-02	1.56E-04	1.06E-08	1.93E-04	1.59E-03	1.87E-03	5.99E-04	5.75E-04	4.16E-02
3.74E-02	1.55E-04	1.06E-08	1.91E-04	1.58E-03	1.79E-03	5.97E-04	5.72E-04	4.11E-02
3.72E-02	1.55E-04	1.05E-08	1.90E-04	1.57E-03	1.72E-03	5.96E-04	5.72E-04	4.09E-02
3.71E-02	1.55E-04	1.05E-08	1.89E-04	1.56E-03	1.66E-03	5.96E-04	5.70E-04	4.07E-02
3.79E-02	1.57E-04	1.07E-08	1.93E-04	1.58E-03	1.95E-03	6.02E-04	5.78E-04	4.18E-02
3.80E-02	1.57E-04	1.07E-08	1.94E-04	1.59E-03	1.87E-03	6.06E-04	5.80E-04	4.18E-02
3.76E-02	1.57E-04	1.06E-08	1.92E-04	1.57E-03	1.79E-03	6.02E-04	5.76E-04	4.14E-02
3.74E-02	1.56E-04	1.06E-08	1.91E-04	1.56E-03	1.72E-03	6.01E-04	5.75E-04	4.10E-02
3.70E-02	1.56E-04	1.05E-08	1.89E-04	1.55E-03	1.66E-03	5.97E-04	5.73E-04	4.06E-02
3.69E-02	1.55E-04	1.04E-08	1.88E-04	1.54E-03	1.60E-03	5.96E-04	5.72E-04	4.04E-02
3.80E-02	1.58E-04	1.07E-08	1.94E-04	1.57E-03	1.87E-03	6.09E-04	5.83E-04	4.18E-02
3.78E-02	1.58E-04	1.06E-08	1.92E-04	1.57E-03	1.79E-03	6.07E-04	5.81E-04	4.15E-02
3.76E-02	1.58E-04	1.06E-08	1.91E-04	1.56E-03	1.73E-03	6.06E-04	5.81E-04	4.13E-02
3.74E-02	1.57E-04	1.06E-08	1.90E-04	1.55E-03	1.66E-03	6.04E-04	5.80E-04	4.10E-02
3.70E-02	1.57E-04	1.05E-08	1.88E-04	1.53E-03	1.60E-03	6.01E-04	5.76E-04	4.05E-02
3.69E-02	1.56E-04	1.04E-08	1.87E-04	1.53E-03	1.55E-03	5.99E-04	5.75E-04	4.03E-02
3.79E-02	1.59E-04	1.06E-08	1.92E-04	1.55E-03	1.79E-03	6.09E-04	5.84E-04	4.16E-02
3.77E-02	1.59E-04	1.06E-08	1.91E-04	1.55E-03	1.73E-03	6.09E-04	5.84E-04	4.13E-02
3.74E-02	1.58E-04	1.06E-08	1.90E-04	1.54E-03	1.67E-03	6.07E-04	5.83E-04	4.10E-02
3.72E-02	1.58E-04	1.05E-08	1.89E-04	1.53E-03	1.61E-03	6.06E-04	5.81E-04	4.08E-02
3.74E-02	1.59E-04	1.05E-08	1.90E-04	1.54E-03	1.56E-03	6.09E-04	5.84E-04	4.09E-02
3.77E-02	1.59E-04	1.05E-08	1.90E-04	1.54E-03	1.51E-03	6.12E-04	5.84E-04	4.11E-02
4.16E-02	7.75E-04	1.42E-08	3.58E-04	9.19E-04	2.87E-03	2.96E-03	2.85E-03	4.66E-02
4.11E-02	7.61E-04	1.42E-08	3.54E-04	9.10E-04	2.83E-03	2.91E-03	2.80E-03	4.61E-02
4.00E-02	8.07E-04	1.35E-08	3.42E-04	9.08E-04	2.37E-03	3.09E-03	2.97E-03	4.46E-02
3.96E-02	7.93E-04	1.34E-08	3.39E-04	8.99E-04	2.34E-03	3.03E-03	2.92E-03	4.41E-02
3.85E-02	8.41E-04	1.29E-08	3.28E-04	8.95E-04	1.99E-03	3.22E-03	3.10E-03	4.27E-02
3.82E-02	8.25E-04	1.28E-08	3.25E-04	8.89E-04	1.98E-03	3.16E-03	3.04E-03	4.23E-02
4.01E-02	7.67E-04	1.37E-08	3.44E-04	8.99E-04	2.53E-03	2.93E-03	2.82E-03	4.47E-02
3.99E-02	7.57E-04	1.37E-08	3.42E-04	8.95E-04	2.52E-03	2.89E-03	2.79E-03	4.45E-02
3.92E-02	7.87E-04	1.33E-08	3.35E-04	8.93E-04	2.27E-03	3.01E-03	2.90E-03	4.36E-02
3.91E-02	7.74E-04	1.33E-08	3.33E-04	8.89E-04	2.26E-03	2.96E-03	2.85E-03	4.34E-02
5.61E-02	9.11E-04	1.85E-08	5.28E-04	1.05E-03	2.91E-02	3.50E-03	3.36E-03	8.78E-02
5.52E-02	8.80E-04	1.85E-08	5.17E-04	1.05E-03	2.65E-02	3.38E-03	3.24E-03	8.44E-02
5.45E-02	8.50E-04	1.84E-08	5.06E-04	1.05E-03	2.51E-02	3.25E-03	3.13E-03	8.22E-02
5.42E-02	7.99E-04	1.80E-08	4.93E-04	1.05E-03	2.34E-02	3.06E-03	2.94E-03	8.00E-02
5.41E-02	7.50E-04	1.75E-08	4.76E-04	1.05E-03	2.22E-02	2.87E-03	2.76E-03	7.87E-02
5.28E-02	7.54E-04	1.77E-08	4.72E-04	1.04E-03	2.24E-02	2.88E-03	2.78E-03	7.77E-02
5.18E-02	7.53E-04	1.77E-08	4.66E-04	1.02E-03	2.18E-02	2.88E-03	2.77E-03	7.59E-02
5.10E-02	7.39E-04	1.77E-08	4.57E-04	1.01E-03	2.15E-02	2.82E-03	2.72E-03	7.48E-02
5.06E-02	7.12E-04	1.74E-08	4.48E-04	1.01E-03	2.19E-02	2.72E-03	2.62E-03	7.48E-02
5.01E-02	6.92E-04	1.72E-08	4.39E-04	9.96E-04	2.15E-02	2.64E-03	2.55E-03	7.38E-02

2562	493380.5	3860293.11	0.01033	0.0159	0.00712	0.01782	0.00457	0.32375	0.01581	0.0159	4.96E-02	6.77E-04	1.71E-08	4.32E-04	9.86E-04	2.09E-02	2.58E-03	2.49E-03	7.27E-02
2563	492880.5	3860343.11	0.01121	0.02242	0.00724	0.02042	0.00477	0.31908	0.02244	0.02242	5.38E-02	9.54E-04	1.74E-08	4.95E-04	1.03E-03	2.06E-02	3.66E-03	3.51E-03	7.71E-02
2564	492930.5	3860343.11	0.01104	0.02168	0.00723	0.02007	0.00476	0.23106	0.02169	0.02168	5.30E-02	9.22E-04	1.73E-08	4.86E-04	1.03E-03	1.50E-02	3.54E-03	3.40E-03	7.05E-02
2565	492980.5	3860343.11	0.01098	0.02039	0.00723	0.01969	0.0048	0.18232	0.02038	0.02039	5.27E-02	8.68E-04	1.73E-08	4.77E-04	1.04E-03	1.18E-02	3.33E-03	3.19E-03	6.70E-02
2566	493030.5	3860343.11	0.01083	0.01975	0.00719	0.01934	0.00477	0.16219	0.01973	0.01975	5.20E-02	8.40E-04	1.72E-08	4.69E-04	1.03E-03	1.05E-02	3.22E-03	3.09E-03	6.49E-02
2567	493080.5	3860343.11	0.01079	0.01864	0.00703	0.01887	0.00479	0.14617	0.01861	0.01864	5.18E-02	7.93E-04	1.69E-08	4.57E-04	1.03E-03	9.46E-03	3.04E-03	2.92E-03	6.36E-02
2568	493130.5	3860343.11	0.01061	0.01837	0.00703	0.01859	0.00474	0.14242	0.01833	0.01837	5.09E-02	7.82E-04	1.69E-08	4.50E-04	1.02E-03	9.21E-03	2.99E-03	2.88E-03	6.25E-02
2569	493180.5	3860343.11	0.01039	0.01835	0.00707	0.01837	0.00467	0.13782	0.0183	0.01835	4.99E-02	7.81E-04	1.70E-08	4.45E-04	1.01E-03	8.92E-03	2.99E-03	2.87E-03	6.11E-02
2570	493230.5	3860343.11	0.01025	0.01802	0.00704	0.01808	0.00463	0.13383	0.01796	0.01802	4.92E-02	7.67E-04	1.69E-08	4.38E-04	9.99E-04	8.66E-03	2.93E-03	2.82E-03	6.02E-02
2571	493280.5	3860343.11	0.01018	0.01735	0.00695	0.01774	0.0046	0.13279	0.01729	0.01735	4.89E-02	7.38E-04	1.67E-08	4.30E-04	9.92E-04	8.59E-03	2.82E-03	2.72E-03	5.97E-02
2572	493330.5	3860343.11	0.01009	0.01682	0.00687	0.01742	0.00457	0.13125	0.01675	0.01682	4.84E-02	7.16E-04	1.65E-08	4.22E-04	9.86E-04	8.49E-03	2.73E-03	2.63E-03	5.91E-02
2573	493380.5	3860343.11	0.00998	0.01645	0.00683	0.01715	0.00453	0.12951	0.01637	0.01645	4.79E-02	7.00E-04	1.64E-08	4.15E-04	9.77E-04	8.38E-03	2.67E-03	2.58E-03	5.85E-02
2574	492880.5	3860393.11	0.01072	0.0235	0.00681	0.01906	0.00465	0.26628	0.02354	0.0235	5.14E-02	1.00E-03	1.63E-08	4.62E-04	1.00E-03	1.72E-02	3.84E-03	3.68E-03	7.13E-02
2575	492930.5	3860393.11	0.01059	0.02262	0.00682	0.01881	0.00466	0.17751	0.02264	0.02262	5.08E-02	9.62E-04	1.64E-08	4.56E-04	1.01E-03	1.15E-02	3.70E-03	3.54E-03	6.49E-02
2576	492980.5	3860393.11	0.01049	0.02157	0.00685	0.01856	0.00468	0.13612	0.02158	0.02157	5.03E-02	9.18E-04	1.64E-08	4.50E-04	1.01E-03	8.81E-03	3.52E-03	3.38E-03	6.17E-02
2577	493030.5	3860393.11	0.01038	0.02072	0.00686	0.01829	0.00468	0.11451	0.02072	0.02072	4.98E-02	8.82E-04	1.65E-08	4.43E-04	1.01E-03	7.41E-03	3.38E-03	3.25E-03	5.97E-02
2578	493080.5	3860393.11	0.01035	0.01954	0.00674	0.01794	0.0047	0.09993	0.01953	0.01954	4.97E-02	8.31E-04	1.62E-08	4.35E-04	1.01E-03	6.47E-03	3.19E-03	3.06E-03	5.85E-02
2579	493130.5	3860393.11	0.01017	0.01933	0.00675	0.01773	0.00466	0.09443	0.0193	0.01933	4.88E-02	8.22E-04	1.62E-08	4.30E-04	1.01E-03	6.11E-03	3.15E-03	3.03E-03	5.73E-02
2580	493180.5	3860393.11	0.00998	0.01925	0.00677	0.01751	0.0046	0.0899	0.01922	0.01925	4.79E-02	8.19E-04	1.62E-08	4.24E-04	9.92E-04	5.82E-03	3.14E-03	3.02E-03	5.61E-02
2581	493230.5	3860393.11	0.00987	0.01876	0.00674	0.01726	0.00456	0.08624	0.01871	0.01876	4.74E-02	7.98E-04	1.62E-08	4.18E-04	9.83E-04	5.58E-03	3.05E-03	2.94E-03	5.53E-02
2582	493280.5	3860393.11	0.00981	0.01802	0.00665	0.01698	0.00455	0.08401	0.01797	0.01802	4.71E-02	7.67E-04	1.59E-08	4.11E-04	9.81E-04	5.44E-03	2.93E-03	2.82E-03	5.48E-02
2583	493330.5	3860393.11	0.00973	0.01745	0.00659	0.01671	0.00452	0.08238	0.01739	0.01745	4.67E-02	7.42E-04	1.58E-08	4.05E-04	9.75E-04	5.33E-03	2.84E-03	2.73E-03	5.43E-02
2584	493380.5	3860393.11	0.00963	0.01703	0.00654	0.01647	0.00448	0.0811	0.01696	0.01703	4.62E-02	7.25E-04	1.57E-08	3.99E-04	9.66E-04	5.25E-03	2.77E-03	2.67E-03	5.37E-02
2585	492880.5	3860443.11	0.01026	0.02459	0.00642	0.01778	0.00453	0.12408	0.02464	0.02459	4.92E-02	1.05E-03	1.54E-08	4.31E-04	9.77E-04	8.03E-03	4.02E-03	3.85E-03	5.99E-02
2586	492930.5	3860443.11	0.01012	0.0238	0.00641	0.01758	0.00453	0.10499	0.02383	0.0238	4.86E-02	1.01E-03	1.54E-08	4.26E-04	9.77E-04	6.79E-03	3.89E-03	3.73E-03	5.79E-02
2587	492980.5	3860443.11	0.01002	0.02281	0.00643	0.01742	0.00455	0.09126	0.02284	0.02281	4.81E-02	9.71E-04	1.54E-08	4.22E-04	9.81E-04	5.90E-03	3.73E-03	3.57E-03	5.65E-02
2588	493030.5	3860443.11	0.00993	0.02189	0.00645	0.01724	0.00457	0.08164	0.0219	0.02189	4.77E-02	9.31E-04	1.55E-08	4.18E-04	9.86E-04	5.28E-03	3.57E-03	3.43E-03	5.54E-02
2589	493080.5	3860443.11	0.00982	0.02117	0.00644	0.01703	0.00456	0.07494	0.02117	0.02117	4.71E-02	9.01E-04	1.54E-08	4.13E-04	9.83E-04	4.85E-03	3.46E-03	3.32E-03	5.44E-02
2590	493130.5	3860443.11	0.00972	0.02051	0.00643	0.01683	0.00455	0.07014	0.0205	0.02051	4.66E-02	8.73E-04	1.54E-08	4.08E-04	9.81E-04	4.54E-03	3.35E-03	3.21E-03	5.36E-02
2591	493180.5	3860443.11	0.00956	0.0203	0.00637	0.01662	0.0045	0.06661	0.02028	0.0203	4.59E-02	8.64E-04	1.53E-08	4.03E-04	9.71E-04	4.31E-03	3.31E-03	3.18E-03	5.26E-02
2592	493230.5	3860443.11	0.0095	0.01947	0.0064	0.01642	0.0045	0.064	0.01944	0.01947	4.56E-02	8.28E-04	1.53E-08	3.98E-04	9.71E-04	4.14E-03	3.17E-03	3.05E-03	5.21E-02
2593	493280.5	3860443.11	0.00943	0.01884	0.00638	0.01622	0.00448	0.06206	0.0188	0.01884	4.53E-02	8.02E-04	1.53E-08	3.93E-04	9.66E-04	4.02E-03	3.07E-03	2.95E-03	5.15E-02
2594	493330.5	3860443.11	0.00937	0.01811	0.00631	0.016	0.00447	0.06067	0.01806	0.01811	4.50E-02	7.71E-04	1.51E-08	3.88E-04	9.64E-04	3.93E-03	2.95E-03	2.84E-03	5.11E-02
2595	493380.5	3860443.11	0.00927	0.01778	0.00629	0.01581	0.00443	0.05953	0.01772	0.01778	4.45E-02	7.57E-04	1.51E-08	3.83E-04	9.55E-04	3.85E-03	2.89E-03	2.79E-03	5.05E-02
2596	493180.5	3860493.11	0.0092	0.0211	0.00604	0.01576	0.00442	0.0512	0.02109	0.0211	4.41E-02	8.98E-04	1.45E-08	3.82E-04	9.53E-04	3.31E-03	3.44E-03	3.31E-03	4.98E-02
2597	493230.5	3860493.11	0.00912	0.02037	0.00605	0.01561	0.00442	0.04985	0.02035	0.02037	4.38E-02	8.67E-04	1.45E-08	3.78E-04	9.53E-04	3.23E-03	3.32E-03	3.19E-03	4.93E-02
2598	493280.5	3860493.11	0.00906	0.01966	0.00606	0.01545	0.00441	0.04869	0.01963	0.01966	4.35E-02	8.37E-04	1.45E-08	3.74E-04	9.51E-04	3.15E-03	3.20E-03	3.08E-03	4.89E-02
2599	493330.5	3860493.11	0.00899	0.01906	0.00606	0.01529	0.00439	0.04774	0.01903	0.01906	4.31E-02	8.11E-04	1.45E-08	3.70E-04	9.47E-04	3.09E-03	3.11E-03	2.99E-03	4.85E-02
2600	493380.5	3860493.11	0.00889	0.0187	0.00603	0.01513	0.00436	0.04687	0.01865	0.0187	4.27E-02	7.96E-04	1.45E-08	3.67E-04	9.40E-04	3.03E-03	3.04E-03	2.93E-03	4.79E-02
2601	493330.5	3860543.11	0.00864	0.01993	0.00574	0.01458	0.00432	0.03874	0.0199	0.01993	4.15E-02	8.48E-04	1.38E-08	3.53E-04	9.32E-04	2.51E-03	3.25E-03	3.12E-03	4.62E-02
2602	493380.5	3860543.11	0.00855	0.01954	0.00572	0.01445	0.00429	0.03825	0.01951	0.01954	4.10E-02	8.31E-04	1.37E-08	3.50E-04	9.25E-04	2.47E-03	3.18E-03	3.06E-03	4.57E-02
2603	494135.94	3860876.85	0.00607	0.02013	0.00404	0.01012	0.00352	0.01492	0.02008	0.02013	2.91E-02	8.57E-04	9.69E-09	2.45E-04	7.59E-04	9.65E-04	3.28E-03	3.15E-03	3.21E-02
2604	494185.94	3860876.85	0.00604	0.01981	0.00403	0.01006	0.00349	0.0148	0.01975	0.01981	2.90E-02	8.43E-04	9.67E-09	2.44E-04	7.53E-04	9.58E-04	3.22E-03	3.10E-03	3.19E-02
2605	494135.94	3860926.85	0.00586	0.02148	0.00387	0.00979	0.00348	0.01367	0.02143	0.02148	2.81E-02	9.14E-04	9.28E-09	2.37E-04	7.51E-04	8.84E-04	3.50E-03	3.36E-03	3.10E-02
2606	494185.94	3860926.85	0.00584	0.0211	0.00387	0.00975	0.00346	0.0136	0.02105	0.0211	2.80E-02	8.98E-04	9.28E-09	2.36E-04	7.46E-04	8.80E-04	3.44E-03	3.31E-03	3.09E-02
2607	494135.94	3860976.85	0.00566	0.02304	0.00372	0.00949	0.00344	0.0126	0.02299	0.02304	2.72E-02	9.80E-04	8.92E-09	2.30E-04	7.42E-04	8.15E-04	3.75E-03	3.61E-03	3.01E-02
2608	494185.94	3860976.85	0.00564	0.0226	0.00372	0.00946	0.00342	0.01255	0.02255	0.0226	2.71E-02	9.62E-04	8.92E-09	2.29E-04	7.38E-04	8.12E-04	3.68E-03	3.54E-03	2.99E-02
2609	494135.94	3861026.85	0.00547	0.02492	0.00356	0.0092	0.00339	0.01166	0.02488	0.02492	2.63E-02	1.06E-03	8.54E-09	2.23E-04	7.31E-04	7.54E-04	4.06E-03	3.90E-03	2.92E-02
2610	494185.94	3861026.85	0.00545	0.02441	0.00357	0.00917	0.00338	0.01163	0.02436	0.02441	2.62E-02	1.04E-03	8.56E-09	2.22E-04	7.29E-04	7.52E-04	3.98E-03	3.82E-03	2.90E-02
2611	494135.94	3861076.85	0.00528	0.02721	0.00342	0.00892	0.00334	0.01084	0.02715	0.02721	2.53E-02	1.16E-03	8.20E-09	2.16E-04	7.20E-04	7.01E-04	4.43E-03	4.26E-03	2.83E-02
2612	494185.94	3861076.85	0.00526	0.02661	0.00342	0.00889	0.00333	0.01082	0.02655	0.02661	2.52E-02	1.13E-03	8.20E-09	2.15E-04	7.18E-04	7.00E-04	4.33E-03	4.17E-03	2.82E-02
2613	490360.04	3858710.04	0.03015	0.01919	0.01921	0.06904	0.01664	0.03816	0.01814	0.01919	1.45E-01	8.17E-04	4.61E-08	1.67E-03	3.59E-03	2.47E-03	2.96E-03	3.01E-03	1.53E-01
2614	490410.04	3858710.04	0.02971	0.01865	0.01974	0.06706	0.01666	0.03709	0.01763	0.01865	1.43E-01	7.94E-04	4.73E-08	1.62E-03	3.59E-03	2.40E-03	2.88E-03	2.92E-03	1.51E-01
2615	490460.04	3858710.04	0.02936	0.01803	0.01976	0.06491	0.01671	0.03588	0.01705	0.01803	1.41E-01	7.67E-04	4.74E-08	1.57E-03	3.60E-03	2.32E-03	2.78E-03	2.82E-03	1.49E-01
2616	490510.04	3858710.04	0.02896	0.01754	0.01953	0.0631	0.01671	0.03492	0.01659	0.01754	1.39E-01	7.46E-04	4.68E-08	1.53E-03	3.60E-03	2.26E-03	2.71E-03	2.75E-03	1.47E-01
2617	490560.04	3858710.04	0.02855	0.01711	0.01926	0.06155	0.0167	0.03407	0.01618	0.01711	1.37E-01	7.28E-04	4.62E-08	1.49E-03	3.60E-03	2.20E-03	2.64E-03	2.68E-03	1.45E-01
2618	490610.04	3858710.04	0.02817	0.01668	0.01911	0.0601	0.0167	0.03323	0.01577	0.01668	1.35E-01	7.10E-04	4.58E-08	1.46E-03	3.60E-03	2.15E-03	2.57E-03	2.61E-03	1.43E-01

2619	490660.04	3858710.04	0.02775	0.01636	0.01918	0.05906	0.01669	0.0326	0.01547	0.01636	1.33E-01	6.96E-04	4.60E-08	1.43E-03	3.60E-03	2.11E-03	2.53E-03	2.56E-03	1.41E-01
2620	490710.04	3858710.04	0.02744	0.0159	0.0192	0.05758	0.01672	0.03171	0.01505	0.0159	1.32E-01	6.77E-04	4.60E-08	1.39E-03	3.61E-03	2.05E-03	2.46E-03	2.49E-03	1.39E-01
2621	490760.04	3858710.04	0.02711	0.0155	0.01928	0.05612	0.01675	0.03093	0.01467	0.0155	1.30E-01	6.60E-04	4.62E-08	1.36E-03	3.61E-03	2.00E-03	2.39E-03	2.43E-03	1.38E-01
2622	490810.04	3858710.04	0.0268	0.01512	0.01934	0.05452	0.01678	0.03018	0.01432	0.01512	1.29E-01	6.43E-04	4.64E-08	1.32E-03	3.62E-03	1.95E-03	2.34E-03	2.37E-03	1.36E-01
2623	490860.04	3858710.04	0.02654	0.01469	0.0193	0.05265	0.01683	0.02935	0.01392	0.01469	1.27E-01	6.25E-04	4.63E-08	1.28E-03	3.63E-03	1.90E-03	2.27E-03	2.30E-03	1.35E-01
2624	490360.04	3858760.04	0.03036	0.01999	0.02109	0.06707	0.01574	0.03908	0.01889	0.01999	1.46E-01	8.51E-04	5.06E-08	1.62E-03	3.39E-03	2.53E-03	3.08E-03	3.13E-03	1.54E-01
2625	490410.04	3858760.04	0.02992	0.01938	0.0213	0.06493	0.01576	0.0379	0.01832	0.01938	1.44E-01	8.25E-04	5.11E-08	1.57E-03	3.40E-03	2.45E-03	2.99E-03	3.04E-03	1.52E-01
2626	490460.04	3858760.04	0.02952	0.01876	0.02108	0.06281	0.01577	0.03672	0.01774	0.01876	1.42E-01	7.98E-04	5.06E-08	1.52E-03	3.40E-03	2.38E-03	2.90E-03	2.94E-03	1.50E-01
2627	490510.04	3858760.04	0.02915	0.01815	0.02077	0.0608	0.01579	0.03557	0.01716	0.01815	1.40E-01	7.72E-04	4.98E-08	1.47E-03	3.41E-03	2.30E-03	2.80E-03	2.84E-03	1.48E-01
2628	490560.04	3858760.04	0.02875	0.01764	0.02067	0.05914	0.01577	0.0346	0.01669	0.01764	1.38E-01	7.51E-04	4.96E-08	1.43E-03	3.40E-03	2.24E-03	2.72E-03	2.76E-03	1.46E-01
2629	490610.04	3858760.04	0.02838	0.01713	0.0207	0.05754	0.01577	0.03363	0.01621	0.01713	1.36E-01	7.29E-04	4.96E-08	1.39E-03	3.40E-03	2.18E-03	2.65E-03	2.68E-03	1.44E-01
2630	490660.04	3858760.04	0.02801	0.01667	0.02084	0.05611	0.01575	0.03276	0.01578	0.01667	1.34E-01	7.09E-04	5.00E-08	1.36E-03	3.40E-03	2.12E-03	2.58E-03	2.61E-03	1.42E-01
2631	490710.04	3858760.04	0.02766	0.01623	0.02098	0.05467	0.01575	0.03193	0.01537	0.01623	1.33E-01	6.91E-04	5.03E-08	1.32E-03	3.40E-03	2.07E-03	2.51E-03	2.54E-03	1.40E-01
2632	490760.04	3858760.04	0.02735	0.01576	0.02102	0.05301	0.01575	0.03104	0.01493	0.01576	1.31E-01	6.71E-04	5.04E-08	1.28E-03	3.40E-03	2.01E-03	2.44E-03	2.47E-03	1.39E-01
2633	490810.04	3858760.04	0.02704	0.01533	0.02101	0.0513	0.01576	0.03022	0.01453	0.01533	1.30E-01	6.52E-04	5.04E-08	1.24E-03	3.40E-03	1.96E-03	2.37E-03	2.40E-03	1.37E-01
2634	490860.04	3858760.04	0.02673	0.01496	0.02093	0.0497	0.01577	0.0295	0.01418	0.01496	1.28E-01	6.37E-04	5.02E-08	1.20E-03	3.40E-03	1.91E-03	2.31E-03	2.34E-03	1.35E-01
2635	490360.04	3858810.04	0.03064	0.02079	0.02313	0.06599	0.01496	0.03996	0.01966	0.02079	1.47E-01	8.85E-04	5.55E-08	1.60E-03	3.23E-03	2.59E-03	3.21E-03	3.26E-03	1.55E-01
2636	490410.04	3858810.04	0.03019	0.0201	0.02301	0.06367	0.01498	0.03866	0.01901	0.0201	1.45E-01	8.55E-04	5.52E-08	1.54E-03	3.23E-03	2.50E-03	3.10E-03	3.15E-03	1.53E-01
2637	490460.04	3858810.04	0.02978	0.01943	0.02277	0.06147	0.01499	0.0374	0.01838	0.01943	1.43E-01	8.27E-04	5.46E-08	1.49E-03	3.23E-03	2.42E-03	3.00E-03	3.04E-03	1.51E-01
2638	490510.04	3858810.04	0.02933	0.01887	0.02276	0.05967	0.01497	0.03636	0.01785	0.01887	1.41E-01	8.03E-04	5.46E-08	1.45E-03	3.23E-03	2.35E-03	2.91E-03	2.96E-03	1.49E-01
2639	490560.04	3858810.04	0.02892	0.01831	0.0229	0.05795	0.01495	0.03532	0.01733	0.01831	1.39E-01	7.79E-04	5.49E-08	1.40E-03	3.22E-03	2.29E-03	2.83E-03	2.87E-03	1.46E-01
2640	490610.04	3858810.04	0.02858	0.01769	0.02303	0.05608	0.01494	0.03417	0.01674	0.01769	1.37E-01	7.53E-04	5.52E-08	1.36E-03	3.22E-03	2.21E-03	2.73E-03	2.77E-03	1.45E-01
2641	490660.04	3858810.04	0.02821	0.01716	0.02319	0.05448	0.01492	0.0332	0.01625	0.01716	1.35E-01	7.30E-04	5.56E-08	1.32E-03	3.22E-03	2.15E-03	2.65E-03	2.69E-03	1.43E-01
2642	490710.04	3858810.04	0.02788	0.01663	0.02323	0.05274	0.0149	0.03222	0.01576	0.01663	1.34E-01	7.08E-04	5.57E-08	1.28E-03	3.21E-03	2.08E-03	2.57E-03	2.61E-03	1.41E-01
2643	490760.04	3858810.04	0.0276	0.01604	0.02308	0.05067	0.01489	0.03114	0.01521	0.01604	1.32E-01	6.82E-04	5.54E-08	1.23E-03	3.21E-03	2.01E-03	2.48E-03	2.51E-03	1.40E-01
2644	490810.04	3858810.04	0.02722	0.0157	0.02302	0.04929	0.01486	0.0305	0.01489	0.0157	1.31E-01	6.68E-04	5.52E-08	1.19E-03	3.20E-03	1.97E-03	2.43E-03	2.46E-03	1.38E-01
2645	490860.04	3858810.04	0.02693	0.01523	0.02276	0.0475	0.01485	0.02963	0.01446	0.01523	1.29E-01	6.48E-04	5.46E-08	1.15E-03	3.20E-03	1.92E-03	2.36E-03	2.39E-03	1.36E-01
2646	490360.04	3858860.04	0.03101	0.02156	0.02549	0.06548	0.01427	0.04074	0.02042	0.02156	1.49E-01	9.17E-04	6.11E-08	1.59E-03	3.08E-03	2.64E-03	3.33E-03	3.38E-03	1.57E-01
2647	490410.04	3858860.04	0.03047	0.02096	0.02547	0.0634	0.01426	0.03962	0.01985	0.02096	1.46E-01	8.92E-04	6.11E-08	1.54E-03	3.08E-03	2.56E-03	3.24E-03	3.28E-03	1.54E-01
2648	490460.04	3858860.04	0.03005	0.02018	0.02545	0.06098	0.01428	0.03819	0.01912	0.02018	1.44E-01	8.59E-04	6.10E-08	1.48E-03	3.08E-03	2.47E-03	3.12E-03	3.16E-03	1.52E-01
2649	490510.04	3858860.04	0.02954	0.01966	0.02579	0.05933	0.01424	0.03722	0.01862	0.01966	1.42E-01	8.37E-04	6.19E-08	1.44E-03	3.07E-03	2.41E-03	3.04E-03	3.08E-03	1.49E-01
2650	490560.04	3858860.04	0.02915	0.01899	0.02601	0.05735	0.01423	0.03601	0.01799	0.01899	1.40E-01	8.08E-04	6.24E-08	1.39E-03	3.07E-03	2.33E-03	2.94E-03	2.97E-03	1.47E-01
2651	490610.04	3858860.04	0.02883	0.01822	0.02604	0.05513	0.01424	0.03463	0.01727	0.01822	1.38E-01	7.75E-04	6.25E-08	1.34E-03	3.07E-03	2.24E-03	2.82E-03	2.85E-03	1.46E-01
2652	490660.04	3858860.04	0.02845	0.01766	0.02607	0.05339	0.0142	0.03362	0.01675	0.01766	1.37E-01	7.51E-04	6.25E-08	1.29E-03	3.06E-03	2.18E-03	2.73E-03	2.77E-03	1.44E-01
2653	490710.04	3858860.04	0.02804	0.01719	0.02603	0.05181	0.01415	0.03278	0.01632	0.01719	1.35E-01	7.31E-04	6.24E-08	1.26E-03	3.05E-03	2.12E-03	2.66E-03	2.69E-03	1.42E-01
2654	490760.04	3858860.04	0.02775	0.01657	0.0257	0.04968	0.01413	0.03166	0.01574	0.01657	1.33E-01	7.05E-04	6.16E-08	1.20E-03	3.05E-03	2.05E-03	2.57E-03	2.60E-03	1.40E-01
2655	490810.04	3858860.04	0.02746	0.01601	0.02535	0.04767	0.01409	0.03066	0.01522	0.01601	1.32E-01	6.81E-04	6.08E-08	1.15E-03	3.04E-03	1.98E-03	2.48E-03	2.51E-03	1.39E-01
2656	490860.04	3858860.04	0.02718	0.01547	0.025	0.04574	0.01405	0.02968	0.01471	0.01547	1.30E-01	6.58E-04	6.00E-08	1.11E-03	3.03E-03	1.92E-03	2.40E-03	2.42E-03	1.37E-01
2657	490360.04	3858910.04	0.03128	0.02276	0.02917	0.06646	0.01354	0.04219	0.02159	0.02276	1.50E-01	9.68E-04	7.00E-08	1.61E-03	2.92E-03	2.73E-03	3.52E-03	3.57E-03	1.58E-01
2658	490410.04	3858910.04	0.03076	0.02196	0.02937	0.06394	0.01357	0.04076	0.02084	0.02196	1.48E-01	9.34E-04	7.04E-08	1.55E-03	2.93E-03	2.64E-03	3.40E-03	3.44E-03	1.56E-01
2659	490460.04	3858910.04	0.03028	0.02118	0.02968	0.06154	0.0136	0.03934	0.0201	0.02118	1.45E-01	9.01E-04	7.12E-08	1.49E-03	2.93E-03	2.55E-03	3.28E-03	3.32E-03	1.53E-01
2660	490510.04	3858910.04	0.02984	0.02039	0.02993	0.05923	0.01361	0.03794	0.01936	0.02039	1.43E-01	8.68E-04	7.18E-08	1.43E-03	2.94E-03	2.45E-03	3.16E-03	3.19E-03	1.51E-01
2661	490560.04	3858910.04	0.02945	0.01961	0.02998	0.05699	0.01361	0.03656	0.01862	0.01961	1.41E-01	8.34E-04	7.19E-08	1.38E-03	2.94E-03	2.37E-03	3.04E-03	3.07E-03	1.49E-01
2662	490610.04	3858910.04	0.02908	0.01885	0.02983	0.05479	0.0136	0.03523	0.01791	0.01885	1.40E-01	8.02E-04	7.15E-08	1.33E-03	2.93E-03	2.28E-03	2.92E-03	2.95E-03	1.47E-01
2663	490660.04	3858910.04	0.02868	0.01823	0.0296	0.05285	0.01356	0.03414	0.01733	0.01823	1.38E-01	7.76E-04	7.10E-08	1.28E-03	2.92E-03	2.21E-03	2.83E-03	2.86E-03	1.45E-01
2664	490710.04	3858910.04	0.02833	0.01758	0.02921	0.05073	0.01352	0.033	0.01672	0.01758	1.36E-01	7.48E-04	7.01E-08	1.23E-03	2.92E-03	2.14E-03	2.73E-03	2.75E-03	1.43E-01
2665	490760.04	3858910.04	0.02804	0.01689	0.02874	0.04841	0.01348	0.03179	0.01607	0.01689	1.35E-01	7.19E-04	6.89E-08	1.17E-03	2.91E-03	2.06E-03	2.62E-03	2.65E-03	1.41E-01
2666	490810.04	3858910.04	0.0277	0.01637	0.02846	0.04659	0.01343	0.03087	0.01558	0.01637	1.33E-01	6.97E-04	6.83E-08	1.13E-03	2.90E-03	2.00E-03	2.54E-03	2.56E-03	1.40E-01
2667	490860.04	3858910.04	0.02744	0.01574	0.02807	0.0445	0.01334	0.02977	0.015	0.01574	1.32E-01	6.70E-04	6.73E-08	1.08E-03	2.88E-03	1.93E-03	2.45E-03	2.47E-03	1.38E-01
2668	490360.04	3858960.04	0.03169	0.02386	0.03465	0.06758	0.01289	0.04344	0.0227	0.02386	1.52E-01	1.02E-03	8.31E-08	1.64E-03	2.78E-03	2.81E-03	3.71E-03	3.74E-03	1.60E-01
2669	490410.04	3858960.04	0.03116	0.02291	0.03504	0.06466	0.01295	0.04175	0.02179	0.02291	1.50E-01	9.75E-04	8.40E-08	1.57E-03	2.79E-03	2.70E-03	3.56E-03	3.59E-03	1.58E-01
2670	490460.04	3858960.04	0.03068	0.02196	0.03525	0.06184	0.013	0.04008	0.02089	0.02196	1.47E-01	9.34E-04	8.45E-08	1.50E-03	2.80E-03	2.59E-03	3.41E-03	3.44E-03	1.55E-01
2671	490510.04	3858960.04	0.03021	0.02111	0.03524	0.05939	0.01302	0.03861	0.02009	0.02111	1.45E-01	8.98E-04	8.45E-08	1.44E-03	2.81E-03	2.50E-03	3.28E-03	3.31E-03	1.53E-01
2672	490560.04	3858960.04	0.02977	0.02031	0.03498	0.05709	0.01302	0.03723	0.01934	0.02031	1.43E-01	8.64E-04	8.39E-08	1.38E-03	2.81E-03	2.41E-03	3.16E-03	3.18E-03	1.50E-01
2673	490610.04	3858960.04	0.02941	0.01942	0.03441	0.05446	0.01302	0.03569	0.0185	0.01942	1.41E-01	8.26E-04	8.25E-08	1.32E-03	2.81E-03	2.31E-03	3.02E-03	3.04E-03	1.48E-01
2674	490660.04	3858960.04	0.02894	0.01887	0.03414	0.05271	0.01298	0.03474	0.01798	0.01887	1.39E-01	8.03E-04	8.19E-08	1.28E-03	2.80E-03	2.25E-03	2.93E-03	2.96E-03	1.46E-01
2675	490710.04	3858960.04	0.02862	0.01807	0.03358	0.05021	0.01295	0.03337	0.01723	0.01807	1.37E-01	7.69E-04	8.05E-08	1.22E-03	2.79E-03	2.16E-03	2.81E-03	2.83E-03	1.44E-01

2676	490760.04	3858960.04	0.02829	0.01738	0.03314	0.04796	0.01291	0.03219	0.01658	0.01738	1.36E-01	7.39E-04	7.95E-08	1.16E-03	2.78E-03	2.08E-03	2.71E-03	2.72E-03	1.43E-01
2677	490810.04	3858960.04	0.02798	0.01673	0.03268	0.04584	0.01283	0.03107	0.01597	0.01673	1.34E-01	7.12E-04	7.84E-08	1.11E-03	2.77E-03	2.01E-03	2.61E-03	2.62E-03	1.41E-01
2678	490860.04	3858960.04	0.02773	0.01605	0.03206	0.04365	0.01274	0.02989	0.01533	0.01605	1.33E-01	6.83E-04	7.69E-08	1.06E-03	2.75E-03	1.93E-03	2.50E-03	2.51E-03	1.39E-01
2679	490360.04	3859010.04	0.03215	0.02511	0.04281	0.06929	0.01225	0.04487	0.02396	0.02511	1.54E-01	1.07E-03	1.03E-07	1.68E-03	2.64E-03	2.90E-03	3.91E-03	3.93E-03	1.63E-01
2680	490410.04	3859010.04	0.0316	0.02398	0.04289	0.0659	0.01234	0.04291	0.02288	0.02398	1.52E-01	1.02E-03	1.03E-07	1.60E-03	2.66E-03	2.78E-03	3.73E-03	3.76E-03	1.60E-01
2681	490460.04	3859010.04	0.03114	0.02279	0.04245	0.06249	0.01242	0.04088	0.02175	0.02279	1.49E-01	9.70E-04	1.02E-07	1.51E-03	2.68E-03	2.65E-03	3.55E-03	3.57E-03	1.57E-01
2682	490510.04	3859010.04	0.0307	0.0217	0.04176	0.05937	0.01247	0.03903	0.02072	0.0217	1.47E-01	9.23E-04	1.00E-07	1.44E-03	2.69E-03	2.53E-03	3.38E-03	3.40E-03	1.55E-01
2683	490560.04	3859010.04	0.03017	0.02098	0.04132	0.05721	0.01247	0.03779	0.02002	0.02098	1.45E-01	8.93E-04	9.91E-08	1.39E-03	2.69E-03	2.45E-03	3.27E-03	3.29E-03	1.52E-01
2684	490610.04	3859010.04	0.02978	0.02003	0.04057	0.0544	0.01248	0.03618	0.01912	0.02003	1.43E-01	8.52E-04	9.73E-08	1.32E-03	2.69E-03	2.34E-03	3.12E-03	3.14E-03	1.50E-01
2685	490660.04	3859010.04	0.02928	0.01945	0.0403	0.05258	0.01245	0.03522	0.01858	0.01945	1.41E-01	8.28E-04	9.67E-08	1.27E-03	2.69E-03	2.28E-03	3.03E-03	3.05E-03	1.48E-01
2686	490710.04	3859010.04	0.02895	0.01857	0.03951	0.04988	0.01243	0.03374	0.01775	0.01857	1.39E-01	7.90E-04	9.48E-08	1.21E-03	2.68E-03	2.18E-03	2.90E-03	2.91E-03	1.46E-01
2687	490760.04	3859010.04	0.02862	0.01781	0.0387	0.0475	0.01237	0.03245	0.01703	0.01781	1.37E-01	7.58E-04	9.28E-08	1.15E-03	2.67E-03	2.10E-03	2.78E-03	2.79E-03	1.44E-01
2688	490810.04	3859010.04	0.02831	0.01708	0.03773	0.04527	0.01229	0.03123	0.01635	0.01708	1.36E-01	7.27E-04	9.05E-08	1.10E-03	2.65E-03	2.02E-03	2.67E-03	2.68E-03	1.42E-01
2689	490860.04	3859010.04	0.028	0.01645	0.03668	0.04331	0.0122	0.03016	0.01575	0.01645	1.34E-01	7.00E-04	8.80E-08	1.05E-03	2.63E-03	1.95E-03	2.57E-03	2.58E-03	1.41E-01
2690	490360.04	3859060.04	0.0327	0.02644	0.05395	0.07143	0.01164	0.0464	0.02531	0.02644	1.57E-01	1.12E-03	1.29E-07	1.73E-03	2.51E-03	3.00E-03	4.13E-03	4.14E-03	1.65E-01
2691	490410.04	3859060.04	0.03218	0.02494	0.05293	0.06706	0.01176	0.04384	0.02387	0.02494	1.54E-01	1.06E-03	1.27E-07	1.62E-03	2.54E-03	2.84E-03	3.90E-03	3.91E-03	1.62E-01
2692	490460.04	3859060.04	0.03165	0.02371	0.05191	0.0635	0.01184	0.04178	0.0227	0.02371	1.52E-01	1.01E-03	1.24E-07	1.54E-03	2.55E-03	2.70E-03	3.71E-03	3.71E-03	1.60E-01
2693	490510.04	3859060.04	0.03113	0.02265	0.05097	0.06042	0.0119	0.04	0.02168	0.02265	1.49E-01	9.64E-04	1.22E-07	1.46E-03	2.57E-03	2.59E-03	3.54E-03	3.55E-03	1.57E-01
2694	490560.04	3859060.04	0.03068	0.02154	0.04986	0.0572	0.01194	0.03816	0.02063	0.02154	1.47E-01	9.16E-04	1.20E-07	1.39E-03	2.58E-03	2.47E-03	3.37E-03	3.37E-03	1.55E-01
2695	490610.04	3859060.04	0.03018	0.02073	0.04906	0.05476	0.01195	0.03682	0.01985	0.02073	1.45E-01	8.82E-04	1.18E-07	1.33E-03	2.58E-03	2.38E-03	3.24E-03	3.25E-03	1.52E-01
2696	490660.04	3859060.04	0.0297	0.01999	0.04815	0.05249	0.01195	0.0356	0.01915	0.01999	1.43E-01	8.51E-04	1.15E-07	1.27E-03	2.58E-03	2.30E-03	3.13E-03	3.13E-03	1.50E-01
2697	490710.04	3859060.04	0.02935	0.01905	0.04653	0.04968	0.01192	0.03404	0.01826	0.01905	1.41E-01	8.11E-04	1.12E-07	1.20E-03	2.57E-03	2.20E-03	2.98E-03	2.98E-03	1.48E-01
2698	490760.04	3859060.04	0.02901	0.01823	0.04483	0.04723	0.01186	0.03269	0.01748	0.01823	1.39E-01	7.76E-04	1.08E-07	1.14E-03	2.56E-03	2.12E-03	2.85E-03	2.86E-03	1.46E-01
2699	490810.04	3859060.04	0.02869	0.01746	0.04293	0.04493	0.01179	0.03141	0.01675	0.01746	1.38E-01	7.43E-04	1.03E-07	1.09E-03	2.54E-03	2.03E-03	2.73E-03	2.74E-03	1.44E-01
2700	490860.04	3859060.04	0.02836	0.01678	0.04108	0.04293	0.01164	0.03028	0.01611	0.01678	1.36E-01	7.14E-04	9.85E-08	1.04E-03	2.51E-03	1.96E-03	2.63E-03	2.63E-03	1.42E-01
2701	490360.04	3859110.04	0.03327	0.02816	0.06947	0.07482	0.01102	0.04853	0.02706	0.02816	1.60E-01	1.20E-03	1.67E-07	1.81E-03	2.38E-03	3.14E-03	4.42E-03	4.41E-03	1.68E-01
2702	490410.04	3859110.04	0.03271	0.02645	0.06742	0.06984	0.01115	0.04566	0.02541	0.02645	1.57E-01	1.13E-03	1.62E-07	1.69E-03	2.40E-03	2.95E-03	4.15E-03	4.14E-03	1.65E-01
2703	490460.04	3859110.04	0.0321	0.02518	0.0659	0.06612	0.01124	0.04355	0.02418	0.02518	1.54E-01	1.07E-03	1.58E-07	1.60E-03	2.42E-03	2.82E-03	3.95E-03	3.94E-03	1.62E-01
2704	490510.04	3859110.04	0.03169	0.02353	0.06338	0.06145	0.01134	0.04086	0.0226	0.02353	1.52E-01	1.00E-03	1.52E-07	1.49E-03	2.45E-03	2.64E-03	3.69E-03	3.69E-03	1.60E-01
2705	490560.04	3859110.04	0.03117	0.02242	0.06134	0.0582	0.0114	0.03903	0.02153	0.02242	1.50E-01	9.54E-04	1.47E-07	1.41E-03	2.46E-03	2.53E-03	3.51E-03	3.51E-03	1.57E-01
2706	490610.04	3859110.04	0.03071	0.02132	0.05885	0.05498	0.01143	0.03725	0.02048	0.02132	1.47E-01	9.07E-04	1.41E-07	1.33E-03	2.47E-03	2.41E-03	3.34E-03	3.34E-03	1.54E-01
2707	490660.04	3859110.04	0.03032	0.02024	0.05592	0.05181	0.01143	0.03548	0.01945	0.02024	1.46E-01	8.61E-04	1.34E-07	1.26E-03	2.47E-03	2.30E-03	3.17E-03	3.17E-03	1.52E-01
2708	490710.04	3859110.04	0.02986	0.01949	0.05356	0.04955	0.01141	0.03426	0.01874	0.01949	1.43E-01	8.29E-04	1.28E-07	1.20E-03	2.46E-03	2.22E-03	3.06E-03	3.05E-03	1.50E-01
2709	490760.04	3859110.04	0.02947	0.01867	0.05083	0.04718	0.01137	0.03293	0.01796	0.01867	1.41E-01	7.94E-04	1.22E-07	1.14E-03	2.45E-03	2.13E-03	2.93E-03	2.92E-03	1.48E-01
2710	490810.04	3859110.04	0.02914	0.01783	0.04785	0.04475	0.01133	0.03155	0.01716	0.01783	1.40E-01	7.59E-04	1.15E-07	1.08E-03	2.44E-03	2.04E-03	2.80E-03	2.79E-03	1.46E-01
2711	490860.04	3859110.04	0.02883	0.01706	0.04504	0.04255	0.01123	0.03029	0.01644	0.01706	1.38E-01	7.26E-04	1.08E-07	1.03E-03	2.42E-03	1.96E-03	2.68E-03	2.67E-03	1.45E-01
2712	490360.04	3859160.04	0.03391	0.03029	0.09191	0.07961	0.01041	0.05132	0.02923	0.03029	1.63E-01	1.29E-03	2.20E-07	1.93E-03	2.25E-03	3.32E-03	4.77E-03	4.74E-03	1.72E-01
2713	490410.04	3859160.04	0.03329	0.02838	0.08806	0.07395	0.01055	0.04814	0.02738	0.02838	1.60E-01	1.21E-03	2.11E-07	1.79E-03	2.28E-03	3.11E-03	4.47E-03	4.45E-03	1.68E-01
2714	490460.04	3859160.04	0.03267	0.02673	0.08418	0.06917	0.01066	0.04544	0.02578	0.02673	1.57E-01	1.14E-03	2.02E-07	1.68E-03	2.30E-03	2.94E-03	4.21E-03	4.19E-03	1.65E-01
2715	490510.04	3859160.04	0.03211	0.0252	0.07988	0.06475	0.01076	0.04296	0.02429	0.0252	1.54E-01	1.07E-03	1.92E-07	1.57E-03	2.32E-03	2.78E-03	3.96E-03	3.95E-03	1.62E-01
2716	490560.04	3859160.04	0.03166	0.02363	0.07483	0.06028	0.01084	0.04043	0.02278	0.02363	1.52E-01	1.01E-03	1.79E-07	1.46E-03	2.34E-03	2.62E-03	3.72E-03	3.70E-03	1.59E-01
2717	490610.04	3859160.04	0.03113	0.02251	0.07056	0.057	0.0109	0.03863	0.0217	0.02251	1.49E-01	9.58E-04	1.69E-07	1.38E-03	2.35E-03	2.50E-03	3.54E-03	3.53E-03	1.57E-01
2718	490660.04	3859160.04	0.03088	0.02091	0.06438	0.05249	0.0109	0.03605	0.02017	0.02091	1.48E-01	8.90E-04	1.54E-07	1.27E-03	2.35E-03	2.33E-03	3.29E-03	3.28E-03	1.55E-01
2719	490710.04	3859160.04	0.03039	0.02007	0.0606	0.05001	0.0109	0.03469	0.01936	0.02007	1.46E-01	8.54E-04	1.45E-07	1.21E-03	2.35E-03	2.24E-03	3.16E-03	3.14E-03	1.53E-01
2720	490760.04	3859160.04	0.03009	0.01898	0.05585	0.04694	0.01093	0.03293	0.01833	0.01898	1.44E-01	8.08E-04	1.34E-07	1.14E-03	2.36E-03	2.13E-03	2.99E-03	2.97E-03	1.51E-01
2721	490810.04	3859160.04	0.02965	0.01826	0.05252	0.04489	0.01089	0.03178	0.01764	0.01826	1.42E-01	7.77E-04	1.26E-07	1.09E-03	2.35E-03	2.06E-03	2.88E-03	2.86E-03	1.49E-01
2722	490860.04	3859160.04	0.02926	0.01755	0.04928	0.0429	0.01083	0.03064	0.01697	0.01755	1.40E-01	7.47E-04	1.18E-07	1.04E-03	2.34E-03	1.98E-03	2.77E-03	2.75E-03	1.47E-01
2723	490360.04	3859210.04	0.03469	0.03283	0.12137	0.0859	0.00984	0.05484	0.03184	0.03283	1.66E-01	1.40E-03	2.91E-07	2.08E-03	2.12E-03	3.55E-03	5.20E-03	5.14E-03	1.76E-01
2724	490410.04	3859210.04	0.03387	0.03109	0.11421	0.08047	0.00995	0.05191	0.03013	0.03109	1.63E-01	1.32E-03	2.74E-07	1.95E-03	2.15E-03	3.36E-03	4.92E-03	4.87E-03	1.71E-01
2725	490460.04	3859210.04	0.03332	0.02862	0.10532	0.07334	0.0101	0.04788	0.02771	0.02862	1.60E-01	1.22E-03	2.53E-07	1.78E-03	2.18E-03	3.10E-03	4.52E-03	4.48E-03	1.68E-01
2726	490510.04	3859210.04	0.03274	0.02681	0.09732	0.0681	0.0102	0.04497	0.02594	0.02681	1.57E-01	1.14E-03	2.33E-07	1.65E-03	2.20E-03	2.91E-03	4.23E-03	4.20E-03	1.65E-01
2727	490560.04	3859210.04	0.0321	0.02544	0.09051	0.06414	0.01029	0.04279	0.02462	0.02544	1.54E-01	1.08E-03	2.17E-07	1.55E-03	2.22E-03	2.77E-03	4.02E-03	3.99E-03	1.62E-01
2728	490610.04	3859210.04	0.0316	0.02396	0.08325	0.05989	0.01036	0.04042	0.02318	0.02396	1.52E-01	1.02E-03	2.00E-07	1.45E-03	2.23E-03	2.62E-03	3.78E-03	3.75E-03	1.59E-01
2729	490660.04	3859210.04	0.03126	0.02226	0.0752	0.05515	0.0104	0.03771	0.02154	0.02226	1.50E-01	9.47E-04	1.80E-07	1.34E-03	2.24E-03	2.44E-03	3.52E-03	3.49E-03	1.57E-01
2730	490710.04	3859210.04	0.03076	0.02112	0.06951	0.05203	0.01042	0.03591	0.02044	0.02112	1.48E-01	8.99E-04	1.67E-07	1.26E-03	2.25E-03	2.32E-03	3.34E-03	3.31E-03	1.54E-01
2731	490760.04	3859210.04	0.03047	0.01998	0.06272	0.04874	0.01046	0.03407	0.01936	0.01998	1.46E-01	8.50E-04	1.50E-07	1.18E-03	2.26E-03	2.20E-03	3.16E-03	3.13E-03	1.53E-01
2732	490810.04	3859210.04	0.02989	0.01942	0.05934	0.04713	0.01047	0.03319	0.01882	0.01942	1.43E-01	8.26E-04	1.42E-07	1.14E-03	2.26E-03	2.15E-03	3.07E-03	3.04E-03	1.50E-01

2733	490860.04	3859210.04	0.02935	0.01887	0.0561	0.04558	0.01046	0.03232	0.01829	0.01887	1.41E-01	8.03E-04	1.35E-07	1.10E-03	2.26E-03	2.09E-03	2.99E-03	2.96E-03	1.47E-01
2734	490360.04	3859260.04	0.03572	0.03569	0.15381	0.09367	0.00933	0.05904	0.03477	0.03569	1.71E-01	1.52E-03	3.69E-07	2.27E-03	2.01E-03	3.82E-03	5.68E-03	5.59E-03	1.81E-01
2735	490410.04	3859260.04	0.03482	0.03345	0.14037	0.08658	0.00944	0.05524	0.03256	0.03345	1.67E-01	1.42E-03	3.37E-07	2.10E-03	2.04E-03	3.57E-03	5.31E-03	5.24E-03	1.76E-01
2736	490460.04	3859260.04	0.03395	0.03161	0.12856	0.08089	0.00953	0.05218	0.03075	0.03161	1.63E-01	1.34E-03	3.08E-07	1.96E-03	2.06E-03	3.38E-03	5.02E-03	4.95E-03	1.72E-01
2737	490510.04	3859260.04	0.03315	0.02988	0.118	0.0757	0.00962	0.04936	0.02904	0.02988	1.59E-01	1.27E-03	2.83E-07	1.83E-03	2.07E-03	3.19E-03	4.74E-03	4.68E-03	1.68E-01
2738	490560.04	3859260.04	0.03255	0.02799	0.10722	0.07019	0.00973	0.04632	0.0272	0.02799	1.56E-01	1.19E-03	2.57E-07	1.70E-03	2.10E-03	3.00E-03	4.44E-03	4.38E-03	1.64E-01
2739	490610.04	3859260.04	0.03209	0.0259	0.0962	0.06429	0.00983	0.043	0.02516	0.0259	1.54E-01	1.10E-03	2.31E-07	1.56E-03	2.12E-03	2.78E-03	4.11E-03	4.06E-03	1.62E-01
2740	490660.04	3859260.04	0.03137	0.02494	0.08919	0.06143	0.00989	0.04147	0.02422	0.02494	1.51E-01	1.06E-03	2.14E-07	1.49E-03	2.13E-03	2.68E-03	3.95E-03	3.91E-03	1.58E-01
2741	490710.04	3859260.04	0.0308	0.02362	0.08206	0.05782	0.00995	0.0394	0.02293	0.02362	1.48E-01	1.00E-03	1.97E-07	1.40E-03	2.15E-03	2.55E-03	3.74E-03	3.70E-03	1.55E-01
2742	490760.04	3859260.04	0.03049	0.02214	0.07309	0.05364	0.00997	0.03703	0.0215	0.02214	1.46E-01	9.42E-04	1.75E-07	1.30E-03	2.15E-03	2.40E-03	3.51E-03	3.47E-03	1.53E-01
2743	490810.04	3859260.04	0.02992	0.02135	0.06797	0.05143	0.00999	0.03579	0.02074	0.02135	1.44E-01	9.08E-04	1.63E-07	1.25E-03	2.15E-03	2.32E-03	3.39E-03	3.34E-03	1.50E-01
2744	490860.04	3859260.04	0.02938	0.02062	0.06331	0.04938	0.01	0.03464	0.02003	0.02062	1.41E-01	8.77E-04	1.52E-07	1.20E-03	2.16E-03	2.24E-03	3.27E-03	3.23E-03	1.48E-01
2745	490360.04	3859310.04	0.03689	0.03995	0.18606	0.10673	0.00882	0.06609	0.03913	0.03995	1.77E-01	1.70E-03	4.46E-07	2.59E-03	1.90E-03	4.28E-03	6.39E-03	6.26E-03	1.88E-01
2746	490410.04	3859310.04	0.03582	0.03721	0.16562	0.09754	0.00892	0.06122	0.03641	0.03721	1.72E-01	1.58E-03	3.97E-07	2.36E-03	1.92E-03	3.96E-03	5.94E-03	5.83E-03	1.82E-01
2747	490460.04	3859310.04	0.03484	0.03489	0.14832	0.09	0.00901	0.05719	0.0341	0.03489	1.67E-01	1.48E-03	3.56E-07	2.18E-03	1.94E-03	3.70E-03	5.57E-03	5.47E-03	1.77E-01
2748	490510.04	3859310.04	0.03391	0.03303	0.13381	0.08403	0.0091	0.054	0.03224	0.03303	1.63E-01	1.41E-03	3.21E-07	2.04E-03	1.96E-03	3.49E-03	5.26E-03	5.17E-03	1.72E-01
2749	490560.04	3859310.04	0.03307	0.03123	0.121	0.0785	0.00918	0.05101	0.03047	0.03123	1.59E-01	1.33E-03	2.90E-07	1.90E-03	1.98E-03	3.30E-03	4.97E-03	4.89E-03	1.67E-01
2750	490610.04	3859310.04	0.03228	0.0297	0.11004	0.07385	0.00926	0.0485	0.02896	0.0297	1.55E-01	1.26E-03	2.64E-07	1.79E-03	2.00E-03	3.14E-03	4.73E-03	4.65E-03	1.63E-01
2751	490660.04	3859310.04	0.03161	0.02808	0.09987	0.0691	0.00935	0.04588	0.02737	0.02808	1.52E-01	1.19E-03	2.40E-07	1.67E-03	2.02E-03	2.97E-03	4.47E-03	4.40E-03	1.60E-01
2752	490710.04	3859310.04	0.03118	0.02598	0.08907	0.06328	0.00945	0.04256	0.02532	0.02598	1.50E-01	1.11E-03	2.14E-07	1.53E-03	2.04E-03	2.75E-03	4.13E-03	4.07E-03	1.57E-01
2753	490760.04	3859310.04	0.03064	0.02461	0.08084	0.05944	0.00952	0.04039	0.02398	0.02461	1.47E-01	1.05E-03	1.94E-07	1.44E-03	2.05E-03	2.61E-03	3.91E-03	3.86E-03	1.54E-01
2754	490810.04	3859310.04	0.03004	0.02362	0.07441	0.05665	0.00956	0.03884	0.02302	0.02362	1.44E-01	1.00E-03	1.78E-07	1.37E-03	2.06E-03	2.51E-03	3.76E-03	3.70E-03	1.51E-01
2755	490860.04	3859310.04	0.02955	0.0225	0.06802	0.0536	0.00959	0.03709	0.02193	0.0225	1.42E-01	9.57E-04	1.63E-07	1.30E-03	2.07E-03	2.40E-03	3.58E-03	3.52E-03	1.49E-01
2756	490360.04	3859360.04	0.03842	0.04548	0.20777	0.1263	0.00835	0.07641	0.04479	0.04548	1.84E-01	1.94E-03	4.98E-07	3.06E-03	1.80E-03	4.94E-03	7.31E-03	7.12E-03	1.96E-01
2757	490410.04	3859360.04	0.03702	0.04247	0.18188	0.1148	0.00842	0.07039	0.04176	0.04247	1.78E-01	1.81E-03	4.36E-07	2.78E-03	1.82E-03	4.55E-03	6.82E-03	6.65E-03	1.89E-01
2758	490460.04	3859360.04	0.03578	0.03987	0.1607	0.10536	0.0085	0.06542	0.03916	0.03987	1.72E-01	1.70E-03	3.85E-07	2.55E-03	1.83E-03	4.23E-03	6.39E-03	6.25E-03	1.82E-01
2759	490510.04	3859360.04	0.03469	0.03751	0.14297	0.09719	0.00858	0.06107	0.0368	0.03751	1.66E-01	1.60E-03	3.43E-07	2.35E-03	1.85E-03	3.95E-03	6.01E-03	5.88E-03	1.76E-01
2760	490560.04	3859360.04	0.03378	0.03507	0.12742	0.08917	0.00868	0.05675	0.03437	0.03507	1.62E-01	1.49E-03	3.06E-07	2.16E-03	1.87E-03	3.67E-03	5.61E-03	5.49E-03	1.71E-01
2761	490610.04	3859360.04	0.03296	0.0329	0.1142	0.08237	0.00877	0.05306	0.03222	0.0329	1.58E-01	1.40E-03	2.74E-07	2.00E-03	1.89E-03	3.43E-03	5.26E-03	5.15E-03	1.67E-01
2762	490660.04	3859360.04	0.03217	0.0311	0.10311	0.07684	0.00886	0.05005	0.03043	0.0311	1.54E-01	1.32E-03	2.47E-07	1.86E-03	1.91E-03	3.24E-03	4.97E-03	4.87E-03	1.63E-01
2763	490710.04	3859360.04	0.03154	0.02912	0.09274	0.07109	0.00895	0.04686	0.02848	0.02912	1.51E-01	1.24E-03	2.22E-07	1.72E-03	1.93E-03	3.03E-03	4.65E-03	4.56E-03	1.59E-01
2764	490760.04	3859360.04	0.03099	0.02727	0.0834	0.06586	0.00904	0.04393	0.02667	0.02727	1.49E-01	1.16E-03	2.00E-07	1.60E-03	1.95E-03	2.84E-03	4.35E-03	4.27E-03	1.56E-01
2765	490810.04	3859360.04	0.03027	0.02628	0.07694	0.06298	0.0091	0.04237	0.0257	0.02628	1.45E-01	1.12E-03	1.85E-07	1.53E-03	1.96E-03	2.74E-03	4.19E-03	4.12E-03	1.53E-01
2766	490860.04	3859360.04	0.02971	0.02504	0.07041	0.05951	0.00916	0.04044	0.02447	0.02504	1.43E-01	1.07E-03	1.69E-07	1.44E-03	1.98E-03	2.62E-03	3.99E-03	3.92E-03	1.50E-01
2767	490360.04	3859410.04	0.04046	0.05282	0.20623	0.15742	0.00792	0.09211	0.05227	0.05282	1.94E-01	2.25E-03	4.95E-07	3.81E-03	1.71E-03	5.96E-03	8.53E-03	8.27E-03	2.08E-01
2768	490410.04	3859410.04	0.03863	0.04913	0.17919	0.14022	0.00798	0.0832	0.04854	0.04913	1.85E-01	2.09E-03	4.30E-07	3.40E-03	1.72E-03	5.38E-03	7.92E-03	7.70E-03	1.98E-01
2769	490460.04	3859410.04	0.0371	0.04583	0.15732	0.12622	0.00804	0.07592	0.04523	0.04583	1.78E-01	1.95E-03	3.77E-07	3.06E-03	1.73E-03	4.91E-03	7.38E-03	7.18E-03	1.90E-01
2770	490510.04	3859410.04	0.0358	0.04285	0.13931	0.11453	0.00812	0.06981	0.04224	0.04285	1.72E-01	1.82E-03	3.34E-07	2.77E-03	1.75E-03	4.52E-03	6.89E-03	6.71E-03	1.83E-01
2771	490560.04	3859410.04	0.03466	0.04018	0.12432	0.10474	0.00819	0.06469	0.03957	0.04018	1.66E-01	1.71E-03	2.98E-07	2.54E-03	1.77E-03	4.19E-03	6.46E-03	6.29E-03	1.77E-01
2772	490610.04	3859410.04	0.03366	0.03776	0.11162	0.09631	0.00827	0.06025	0.03715	0.03776	1.62E-01	1.61E-03	2.68E-07	2.33E-03	1.78E-03	3.90E-03	6.06E-03	5.92E-03	1.71E-01
2773	490660.04	3859410.04	0.03284	0.03507	0.10021	0.08767	0.00837	0.05564	0.03447	0.03507	1.58E-01	1.49E-03	2.40E-07	2.12E-03	1.81E-03	3.60E-03	5.63E-03	5.49E-03	1.67E-01
2774	490710.04	3859410.04	0.03208	0.03282	0.09059	0.08085	0.00846	0.05194	0.03223	0.03282	1.54E-01	1.40E-03	2.17E-07	1.96E-03	1.82E-03	3.36E-03	5.26E-03	5.14E-03	1.63E-01
2775	490760.04	3859410.04	0.03145	0.03053	0.08163	0.07411	0.00856	0.04828	0.02998	0.03053	1.51E-01	1.30E-03	1.96E-07	1.80E-03	1.85E-03	3.12E-03	4.89E-03	4.78E-03	1.59E-01
2776	490810.04	3859410.04	0.03071	0.02928	0.07496	0.07032	0.00863	0.04628	0.02874	0.02928	1.47E-01	1.25E-03	1.80E-07	1.70E-03	1.86E-03	2.99E-03	4.69E-03	4.59E-03	1.55E-01
2777	490860.04	3859410.04	0.02994	0.02827	0.06958	0.0673	0.00869	0.04469	0.02774	0.02827	1.44E-01	1.20E-03	1.67E-07	1.63E-03	1.87E-03	2.89E-03	4.53E-03	4.43E-03	1.51E-01
2778	490360.04	3859460.04	0.04332	0.0631	0.18188	0.21111	0.00753	0.11697	0.06275	0.0631	2.08E-01	2.68E-03	4.36E-07	5.11E-03	1.62E-03	7.57E-03	1.02E-02	9.88E-03	2.25E-01
2779	490410.04	3859460.04	0.041	0.05777	0.15893	0.17928	0.00759	0.10128	0.05735	0.05777	1.97E-01	2.46E-03	3.81E-07	4.34E-03	1.64E-03	6.55E-03	9.36E-03	9.05E-03	2.12E-01
2780	490460.04	3859460.04	0.03908	0.05354	0.14052	0.15715	0.00764	0.09028	0.05308	0.05354	1.88E-01	2.28E-03	3.37E-07	3.81E-03	1.65E-03	5.84E-03	8.66E-03	8.39E-03	2.01E-01
2781	490510.04	3859460.04	0.03746	0.04974	0.12521	0.13948	0.0077	0.08146	0.04927	0.04974	1.80E-01	2.12E-03	3.00E-07	3.38E-03	1.66E-03	5.27E-03	8.04E-03	7.79E-03	1.92E-01
2782	490560.04	3859460.04	0.03606	0.04642	0.11247	0.12554	0.00777	0.07452	0.04594	0.04642	1.73E-01	1.98E-03	2.70E-07	3.04E-03	1.68E-03	4.82E-03	7.50E-03	7.27E-03	1.85E-01
2783	490610.04	3859460.04	0.03487	0.04325	0.10143	0.11336	0.00784	0.0684	0.04276	0.04325	1.67E-01	1.84E-03	2.43E-07	2.75E-03	1.69E-03	4.43E-03	6.98E-03	6.78E-03	1.78E-01
2784	490660.04	3859460.04	0.03383	0.04029	0.09186	0.10289	0.00793	0.06308	0.0398	0.04029	1.62E-01	1.71E-03	2.20E-07	2.49E-03	1.71E-03	4.08E-03	6.50E-03	6.31E-03	1.73E-01
2785	490710.04	3859460.04	0.03284	0.03785	0.08396	0.09477	0.008	0.05891	0.03736	0.03785	1.58E-01	1.61E-03	2.01E-07	2.30E-03	1.73E-03	3.81E-03	6.10E-03	5.93E-03	1.67E-01
2786	490760.04	3859460.04	0.03202	0.03549	0.07661	0.08719	0.00809	0.05502	0.03501	0.03549	1.54E-01	1.51E-03	1.84E-07	2.11E-03	1.74E-03	3.56E-03	5.71E-03	5.56E-03	1.63E-01
2787	490810.04	3859460.04	0.03125	0.03336	0.0703	0.08077	0.00817	0.05167	0.0329	0.03336	1.50E-01	1.42E-03	1.69E-07	1.96E-03	1.76E-03	3.34E-03	5.37E-03	5.23E-03	1.59E-01
2788	490860.04	3859460.04	0.03043	0.03192	0.06528	0.0764	0.00823	0.04942	0.03146	0.03192	1.46E-01	1.36E-03	1.57E-07	1.85E-03	1.78E-03	3.20E-03	5.14E-03	5.00E-03	1.54E-01
2789	490360.04	3859510.04	0.04893	0.07878	0.1491	0.31583	0.00718	0.15797	0.07863	0.07878	2.35E-01	3.35E-03	3.58E-07	7.65E-03	1.55E-03	1.02E-02	1.28E-02	1.23E-02	2.58E-01

2790	490410.04	3859510.04	0.04543	0.0713	0.13302	0.25434	0.00722	0.132	0.07118	0.0713	2.18E-01	3.03E-03	3.19E-07	6.16E-03	1.56E-03	8.54E-03	1.16E-02	1.12E-02	2.38E-01
2791	490460.04	3859510.04	0.04264	0.06478	0.1192	0.21084	0.00728	0.11259	0.06456	0.06478	2.05E-01	2.76E-03	2.86E-07	5.11E-03	1.57E-03	7.28E-03	1.05E-02	1.01E-02	2.22E-01
2792	490510.04	3859510.04	0.04032	0.05951	0.10761	0.18025	0.00733	0.09907	0.05926	0.05951	1.93E-01	2.53E-03	2.58E-07	4.37E-03	1.58E-03	6.41E-03	9.67E-03	9.32E-03	2.09E-01
2793	490560.04	3859510.04	0.03838	0.05495	0.09764	0.15749	0.00738	0.08869	0.05468	0.05495	1.84E-01	2.34E-03	2.34E-07	3.82E-03	1.59E-03	5.74E-03	8.93E-03	8.61E-03	1.98E-01
2794	490610.04	3859510.04	0.03675	0.05078	0.08891	0.13905	0.00745	0.08007	0.0505	0.05078	1.76E-01	2.16E-03	2.13E-07	3.37E-03	1.61E-03	5.18E-03	8.24E-03	7.95E-03	1.89E-01
2795	490660.04	3859510.04	0.03536	0.04711	0.08136	0.12443	0.00752	0.07312	0.0468	0.04711	1.70E-01	2.00E-03	1.95E-07	3.01E-03	1.62E-03	4.73E-03	7.64E-03	7.38E-03	1.81E-01
2796	490710.04	3859510.04	0.03415	0.04378	0.07471	0.11231	0.00759	0.06725	0.04346	0.04378	1.64E-01	1.86E-03	1.79E-07	2.72E-03	1.64E-03	4.35E-03	7.09E-03	6.86E-03	1.75E-01
2797	490760.04	3859510.04	0.03308	0.04089	0.06889	0.10247	0.00767	0.0624	0.04055	0.04089	1.59E-01	1.74E-03	1.65E-07	2.48E-03	1.65E-03	4.04E-03	6.62E-03	6.41E-03	1.69E-01
2798	490810.04	3859510.04	0.03208	0.03851	0.06391	0.09475	0.00773	0.05859	0.03817	0.03851	1.54E-01	1.64E-03	1.53E-07	2.30E-03	1.67E-03	3.79E-03	6.23E-03	6.03E-03	1.64E-01
2799	490860.04	3859510.04	0.0312	0.03623	0.05934	0.08772	0.00781	0.05505	0.03589	0.03623	1.50E-01	1.54E-03	1.42E-07	2.13E-03	1.68E-03	3.56E-03	5.86E-03	5.68E-03	1.59E-01
2800	490360.04	3859560.04	0.06424	0.10462	0.11661	0.61117	0.00687	0.24825	0.10494	0.10462	3.08E-01	4.45E-03	2.80E-07	1.48E-02	1.48E-03	1.61E-02	1.71E-02	1.64E-02	3.46E-01
2801	490410.04	3859560.04	0.05593	0.09272	0.10708	0.42491	0.0069	0.19098	0.093	0.09272	2.68E-01	3.95E-03	2.57E-07	1.03E-02	1.49E-03	1.24E-02	1.52E-02	1.45E-02	2.97E-01
2802	490460.04	3859560.04	0.04992	0.08277	0.09807	0.32133	0.00694	0.15485	0.08305	0.08277	2.40E-01	3.52E-03	2.35E-07	7.78E-03	1.50E-03	1.00E-02	1.36E-02	1.30E-02	2.63E-01
2803	490510.04	3859560.04	0.04562	0.07393	0.08983	0.25583	0.00699	0.12925	0.07408	0.07393	2.19E-01	3.15E-03	2.15E-07	6.20E-03	1.51E-03	8.36E-03	1.21E-02	1.16E-02	2.39E-01
2804	490560.04	3859560.04	0.04235	0.06735	0.08294	0.21285	0.00703	0.1118	0.06743	0.06735	2.03E-01	2.87E-03	1.99E-07	5.16E-03	1.52E-03	7.23E-03	1.10E-02	1.06E-02	2.20E-01
2805	490610.04	3859560.04	0.03981	0.06146	0.07653	0.18119	0.00709	0.09829	0.0615	0.06146	1.91E-01	2.62E-03	1.84E-07	4.39E-03	1.53E-03	6.36E-03	1.00E-02	9.63E-03	2.06E-01
2806	490660.04	3859560.04	0.03775	0.05642	0.07085	0.15769	0.00715	0.08785	0.05641	0.05642	1.81E-01	2.40E-03	1.70E-07	3.82E-03	1.54E-03	5.68E-03	9.21E-03	8.84E-03	1.95E-01
2807	490710.04	3859560.04	0.03606	0.05192	0.0657	0.13902	0.00721	0.0794	0.05186	0.05192	1.73E-01	2.21E-03	1.58E-07	3.37E-03	1.56E-03	5.14E-03	8.47E-03	8.13E-03	1.86E-01
2808	490760.04	3859560.04	0.03466	0.04771	0.06096	0.12345	0.00729	0.07212	0.0476	0.04771	1.66E-01	2.03E-03	1.46E-07	2.99E-03	1.57E-03	4.67E-03	7.77E-03	7.47E-03	1.78E-01
2809	490810.04	3859560.04	0.03342	0.04433	0.05685	0.1118	0.00735	0.06658	0.04419	0.04433	1.60E-01	1.89E-03	1.36E-07	2.71E-03	1.59E-03	4.31E-03	7.21E-03	6.94E-03	1.71E-01
2810	490860.04	3859560.04	0.03235	0.04129	0.0531	0.10195	0.00743	0.06181	0.04112	0.04129	1.55E-01	1.76E-03	1.27E-07	2.47E-03	1.60E-03	4.00E-03	6.71E-03	6.47E-03	1.65E-01
2811	490187.25	3859422.08	0.05288	0.07532	0.36621	0.30323	0.00766	0.16332	0.07518	0.07532	2.54E-01	3.20E-03	8.78E-07	7.35E-03	1.65E-03	1.06E-02	1.23E-02	1.18E-02	2.77E-01
2812	490237.25	3859422.08	0.0484	0.06818	0.30172	0.24663	0.00769	0.1364	0.06788	0.06818	2.32E-01	2.90E-03	7.24E-07	5.98E-03	1.66E-03	8.83E-03	1.11E-02	1.07E-02	2.52E-01
2813	490287.25	3859422.08	0.04484	0.0622	0.25344	0.20782	0.00774	0.11741	0.0618	0.0622	2.15E-01	2.65E-03	6.08E-07	5.03E-03	1.67E-03	7.60E-03	1.01E-02	9.74E-03	2.32E-01
2814	490337.25	3859422.08	0.04211	0.05693	0.21595	0.17759	0.0078	0.10212	0.05644	0.05693	2.02E-01	2.42E-03	5.18E-07	4.30E-03	1.68E-03	6.61E-03	9.21E-03	8.92E-03	2.17E-01
2815	490187.25	3859472.08	0.06484	0.09474	0.29604	0.56728	0.00732	0.27416	0.09485	0.09474	3.11E-01	4.03E-03	7.10E-07	1.37E-02	1.58E-03	1.77E-02	1.55E-02	1.48E-02	3.49E-01
2816	490237.25	3859472.08	0.05535	0.08452	0.25066	0.40218	0.00735	0.20501	0.08442	0.08452	2.66E-01	3.60E-03	6.01E-07	9.74E-03	1.59E-03	1.33E-02	1.38E-02	1.32E-02	2.94E-01
2817	490287.25	3859472.08	0.04944	0.0759	0.21363	0.30673	0.00739	0.16215	0.07572	0.0759	2.37E-01	3.23E-03	5.12E-07	7.43E-03	1.59E-03	1.05E-02	1.24E-02	1.19E-02	2.60E-01
2818	490337.25	3859472.08	0.04562	0.06904	0.18527	0.2491	0.00743	0.13472	0.06878	0.06904	2.19E-01	2.94E-03	4.44E-07	6.03E-03	1.60E-03	8.72E-03	1.12E-02	1.08E-02	2.39E-01
2819	490297.07	3859500.42	0.05242	0.08542	0.18224	0.39673	0.00721	0.19598	0.08528	0.08542	2.52E-01	3.63E-03	4.37E-07	9.61E-03	1.56E-03	1.27E-02	1.39E-02	1.34E-02	2.80E-01
2820	490327.07	3859500.42	0.04982	0.08049	0.16915	0.33833	0.00722	0.17017	0.08032	0.08049	2.39E-01	3.42E-03	4.06E-07	8.20E-03	1.56E-03	1.10E-02	1.31E-02	1.26E-02	2.64E-01
2821	490297.07	3859530.42	0.06117	0.10157	0.15509	0.62169	0.00701	0.26114	0.10157	0.10157	2.94E-01	4.32E-03	3.72E-07	1.51E-02	1.51E-03	1.69E-02	1.66E-02	1.59E-02	3.32E-01
2822	490327.07	3859530.42	0.05741	0.0945	0.146	0.49136	0.00703	0.21788	0.0945	0.0945	2.76E-01	4.02E-03	3.50E-07	1.19E-02	1.52E-03	1.41E-02	1.54E-02	1.48E-02	3.08E-01
2823	490319.73	3859055.34	0.03309	0.02756	0.05315	0.07495	0.01158	0.04842	0.02638	0.02756	1.59E-01	1.17E-03	1.27E-07	1.82E-03	2.50E-03	3.13E-03	4.31E-03	4.32E-03	1.67E-01
2824	490319.73	3859105.34	0.03372	0.02934	0.06908	0.07857	0.01096	0.05064	0.0282	0.02934	1.62E-01	1.25E-03	1.66E-07	1.90E-03	2.36E-03	3.28E-03	4.60E-03	4.60E-03	1.71E-01
2825	490069.73	3859155.34	0.03976	0.04161	0.0935	0.12089	0.00988	0.07294	0.04033	0.04161	1.91E-01	1.77E-03	2.24E-07	2.93E-03	2.13E-03	4.72E-03	6.58E-03	6.52E-03	2.02E-01
2826	490119.73	3859155.34	0.03842	0.03928	0.09612	0.11134	0.00995	0.06814	0.03804	0.03928	1.84E-01	1.67E-03	2.31E-07	2.70E-03	2.15E-03	4.41E-03	6.21E-03	6.15E-03	1.95E-01
2827	490269.73	3859155.34	0.03519	0.03361	0.09522	0.09017	0.01022	0.05714	0.03246	0.03361	1.69E-01	1.43E-03	2.28E-07	2.18E-03	2.20E-03	3.70E-03	5.30E-03	5.27E-03	1.78E-01
2828	490319.73	3859155.34	0.0344	0.03165	0.0922	0.08394	0.01035	0.05373	0.03055	0.03165	1.65E-01	1.35E-03	2.21E-07	2.03E-03	2.23E-03	3.48E-03	4.99E-03	4.96E-03	1.74E-01
2829	490069.73	3859205.34	0.04131	0.04678	0.14624	0.13884	0.00934	0.08211	0.04564	0.04678	1.98E-01	1.99E-03	3.51E-07	3.36E-03	2.01E-03	5.31E-03	7.45E-03	7.33E-03	2.11E-01
2830	490119.73	3859205.34	0.03967	0.04414	0.14703	0.12666	0.00937	0.0762	0.043	0.04414	1.90E-01	1.88E-03	3.53E-07	3.07E-03	2.02E-03	4.93E-03	7.02E-03	6.91E-03	2.02E-01
2831	490169.73	3859205.34	0.03832	0.04155	0.14364	0.11596	0.00945	0.07084	0.04043	0.04155	1.84E-01	1.77E-03	3.44E-07	2.81E-03	2.04E-03	4.58E-03	6.60E-03	6.51E-03	1.95E-01
2832	490219.73	3859205.34	0.03719	0.03888	0.13755	0.10626	0.00956	0.06575	0.03778	0.03888	1.78E-01	1.65E-03	3.30E-07	2.57E-03	2.06E-03	4.25E-03	6.17E-03	6.09E-03	1.89E-01
2833	490269.73	3859205.34	0.03623	0.03629	0.13034	0.09731	0.00969	0.06092	0.03523	0.03629	1.74E-01	1.54E-03	3.13E-07	2.36E-03	2.09E-03	3.94E-03	5.75E-03	5.68E-03	1.84E-01
2834	490319.73	3859205.34	0.03527	0.03427	0.12406	0.09057	0.0098	0.05736	0.03324	0.03427	1.69E-01	1.46E-03	2.98E-07	2.19E-03	2.11E-03	3.71E-03	5.43E-03	5.37E-03	1.79E-01
2835	490069.73	3859255.34	0.04339	0.05304	0.23651	0.16391	0.00889	0.09439	0.0521	0.05304	2.08E-01	2.26E-03	5.67E-07	3.97E-03	1.92E-03	6.11E-03	8.50E-03	8.31E-03	2.23E-01
2836	490119.73	3859255.34	0.04147	0.04957	0.2255	0.14658	0.00891	0.08616	0.04861	0.04957	1.99E-01	2.11E-03	5.41E-07	3.55E-03	1.92E-03	5.57E-03	7.93E-03	7.77E-03	2.12E-01
2837	490169.73	3859255.34	0.03987	0.04637	0.21072	0.13235	0.00897	0.07924	0.0454	0.04637	1.91E-01	1.97E-03	5.05E-07	3.21E-03	1.93E-03	5.13E-03	7.41E-03	7.26E-03	2.04E-01
2838	490219.73	3859255.34	0.03855	0.04316	0.1939	0.11977	0.00906	0.0728	0.04218	0.04316	1.85E-01	1.84E-03	4.65E-07	2.90E-03	1.95E-03	4.71E-03	6.88E-03	6.76E-03	1.97E-01
2839	490269.73	3859255.34	0.03738	0.04021	0.17747	0.10895	0.00917	0.06711	0.03925	0.04021	1.79E-01	1.71E-03	4.26E-07	2.64E-03	1.98E-03	4.34E-03	6.41E-03	6.30E-03	1.90E-01
2840	490319.73	3859255.34	0.03629	0.03774	0.16282	0.10039	0.00926	0.06266	0.0368	0.03774	1.74E-01	1.61E-03	3.90E-07	2.43E-03	2.00E-03	4.05E-03	6.01E-03	5.91E-03	1.84E-01
2841	490069.73	3859305.34	0.04662	0.06139	0.37946	0.20402	0.00848	0.11356	0.06076	0.06139	2.24E-01	2.61E-03	9.10E-07	4.94E-03	1.83E-03	7.35E-03	9.92E-03	9.62E-03	2.41E-01
2842	490119.73	3859305.34	0.04415	0.0568	0.33716	0.17755	0.00849	0.10154	0.05609	0.0568	2.12E-01	2.42E-03	8.09E-07	4.30E-03	1.83E-03	6.57E-03	9.16E-03	8.90E-03	2.27E-01
2843	490169.73	3859305.34	0.04213	0.05263	0.29664	0.15708	0.00853	0.09179	0.05186	0.05263	2.02E-01	2.24E-03	7.11E-07	3.81E-03	1.84E-03	5.94E-03	8.47E-03	8.24E-03	2.16E-01
2844	490219.73	3859305.34	0.04044	0.04877	0.26	0.14001	0.0086	0.08334	0.04796	0.04877	1.94E-01	2.08E-03	6.24E-07	3.39E-03	1.85E-03	5.39E-03	7.83E-03	7.64E-03	2.07E-01
2845	490269.73	3859305.34	0.03895	0.04526	0.22882	0.12602	0.00868	0.07618	0.04442	0.04526	1.87E-01	1.93E-03	5.49E-07	3.05E-03	1.87E-03	4.93E-03	7.25E-03	7.09E-03	1.99E-01
2846	490319.73	3859305.34	0.03767	0.04199	0.20191	0.11395	0.00878	0.06988	0.04116	0.04199	1.81E-01	1.79E-03	4.84E-07	2.76E-03	1.89E-03	4.52E-03	6.72E-03	6.58E-03	1.92E-01

2847	490069.73	3859355.34	0.05261	0.07341	0.55703	0.28149	0.00809	0.14998	0.07316	0.07341	2.52E-01	3.12E-03	1.34E-06	6.82E-03	1.74E-03	9.70E-03	1.19E-02	1.15E-02	2.74E-01
2848	490119.73	3859355.34	0.04868	0.06689	0.45798	0.23317	0.00809	0.129	0.0665	0.06689	2.34E-01	2.85E-03	1.10E-06	5.65E-03	1.74E-03	8.35E-03	1.09E-02	1.05E-02	2.53E-01
2849	490169.73	3859355.34	0.04568	0.06121	0.37961	0.19891	0.00812	0.1131	0.0607	0.06121	2.19E-01	2.60E-03	9.10E-07	4.82E-03	1.75E-03	7.32E-03	9.91E-03	9.59E-03	2.36E-01
2850	490219.73	3859355.34	0.04329	0.05609	0.31778	0.17289	0.00818	0.10026	0.05549	0.05609	2.08E-01	2.39E-03	7.62E-07	4.19E-03	1.76E-03	6.49E-03	9.06E-03	8.79E-03	2.23E-01
2851	490269.73	3859355.34	0.04122	0.0518	0.27025	0.15244	0.00824	0.08999	0.05114	0.0518	1.98E-01	2.20E-03	6.48E-07	3.69E-03	1.78E-03	5.82E-03	8.35E-03	8.11E-03	2.12E-01
2852	490319.73	3859355.34	0.03947	0.04781	0.23197	0.13567	0.00832	0.0813	0.04711	0.04781	1.89E-01	2.03E-03	5.56E-07	3.29E-03	1.79E-03	5.26E-03	7.69E-03	7.49E-03	2.02E-01
2853	490069.73	3859405.34	0.06477	0.09105	0.65196	0.47605	0.00774	0.23758	0.09129	0.09105	3.11E-01	3.87E-03	1.56E-06	1.15E-02	1.67E-03	1.54E-02	1.49E-02	1.43E-02	3.44E-01
2854	490119.73	3859405.34	0.0571	0.08113	0.50763	0.35502	0.00774	0.1867	0.08112	0.08113	2.74E-01	3.45E-03	1.22E-06	8.60E-03	1.67E-03	1.21E-02	1.32E-02	1.27E-02	3.00E-01
2855	490169.73	3859405.34	0.05173	0.07302	0.40552	0.28125	0.00776	0.15321	0.07283	0.07302	2.48E-01	3.11E-03	9.73E-07	6.81E-03	1.67E-03	9.91E-03	1.19E-02	1.14E-02	2.70E-01
2856	490219.73	3859405.34	0.04777	0.06629	0.33191	0.23244	0.0078	0.12983	0.06596	0.06629	2.29E-01	2.82E-03	7.96E-07	5.63E-03	1.68E-03	8.40E-03	1.08E-02	1.04E-02	2.48E-01
2857	490269.73	3859405.34	0.04457	0.06037	0.27652	0.19725	0.00785	0.11232	0.05992	0.06037	2.14E-01	2.57E-03	6.63E-07	4.78E-03	1.69E-03	7.27E-03	9.78E-03	9.46E-03	2.31E-01
2858	490319.73	3859405.34	0.04198	0.05532	0.23429	0.16976	0.00791	0.09848	0.05481	0.05532	2.01E-01	2.35E-03	5.62E-07	4.11E-03	1.71E-03	6.37E-03	8.95E-03	8.67E-03	2.16E-01
2859	490161.89	3859541.83	0.07399	0.16559	0.18357	0.35639	0.0069	0.22877	0.16566	0.16559	3.55E-01	7.05E-03	4.40E-07	8.63E-03	1.49E-03	1.48E-02	2.70E-02	2.59E-02	3.88E-01
2860	490171.89	3859541.83	0.07301	0.15976	0.18048	0.40205	0.0069	0.25806	0.15982	0.15976	3.50E-01	6.80E-03	4.33E-07	9.74E-03	1.49E-03	1.67E-02	2.61E-02	2.50E-02	3.86E-01
2861	490161.89	3859551.83	0.0737	0.18291	0.16743	0.28781	0.00685	0.18871	0.18288	0.18291	3.54E-01	7.78E-03	4.02E-07	6.97E-03	1.48E-03	1.22E-02	2.99E-02	2.87E-02	3.83E-01
2862	490171.89	3859551.83	0.07297	0.17593	0.16496	0.31802	0.00685	0.20966	0.17594	0.17593	3.50E-01	7.49E-03	3.96E-07	7.70E-03	1.48E-03	1.36E-02	2.87E-02	2.76E-02	3.82E-01
2863	489799.72	3859348.21	0.08194	0.15537	0.73948	0.34401	0.00835	0.24811	0.15819	0.15537	3.93E-01	6.61E-03	1.77E-06	8.33E-03	1.80E-03	1.61E-02	2.58E-02	2.43E-02	4.28E-01
2864	489819.72	3859348.21	0.07974	0.14292	0.85671	0.45503	0.00831	0.34774	0.14513	0.14292	3.83E-01	6.08E-03	2.05E-06	1.10E-02	1.79E-03	2.25E-02	2.37E-02	2.24E-02	4.25E-01
2865	489799.72	3859368.21	0.08664	0.18468	1.20521	0.246	0.00824	0.17222	0.189	0.18468	4.16E-01	7.86E-03	2.89E-06	5.96E-03	1.78E-03	1.11E-02	3.09E-02	2.89E-02	4.44E-01
2866	489819.72	3859368.21	0.08557	0.16742	1.46325	0.30197	0.0082	0.21713	0.17085	0.16742	4.11E-01	7.12E-03	3.51E-06	7.32E-03	1.77E-03	1.40E-02	2.79E-02	2.62E-02	4.43E-01
2867	489775.41	3859329.72	0.08262	0.14938	0.50154	0.36176	0.0085	0.25921	0.15185	0.14938	3.96E-01	6.36E-03	1.20E-06	8.76E-03	1.83E-03	1.68E-02	2.48E-02	2.34E-02	4.32E-01
2868	489795.41	3859329.72	0.0796	0.13776	0.5073	0.48422	0.00846	0.32833	0.13969	0.13776	3.82E-01	5.86E-03	1.22E-06	1.17E-02	1.82E-03	2.12E-02	2.28E-02	2.16E-02	4.24E-01
2869	489775.41	3859349.72	0.08456	0.1762	0.69697	0.2568	0.00839	0.17895	0.1801	0.1762	4.06E-01	7.50E-03	1.67E-06	6.22E-03	1.81E-03	1.16E-02	2.94E-02	2.76E-02	4.35E-01
2870	489795.41	3859349.72	0.08276	0.16031	0.743	0.31746	0.00835	0.22706	0.16338	0.16031	3.97E-01	6.82E-03	1.78E-06	7.69E-03	1.80E-03	1.47E-02	2.67E-02	2.51E-02	4.30E-01
2871	489595.05	3859219.43	0.08531	0.13746	0.11109	0.32276	0.00961	0.21064	0.13934	0.13746	4.09E-01	5.85E-03	2.66E-07	7.82E-03	2.07E-03	1.36E-02	2.27E-02	2.15E-02	4.40E-01
2872	489615.05	3859219.43	0.08263	0.12728	0.11636	0.41224	0.00955	0.27692	0.12857	0.12728	3.97E-01	5.42E-03	2.79E-07	9.99E-03	2.06E-03	1.79E-02	2.10E-02	1.99E-02	4.33E-01
2873	489595.05	3859239.43	0.08862	0.1602	0.13065	0.24218	0.00949	0.15449	0.163	0.1602	4.25E-01	6.82E-03	3.13E-07	5.87E-03	2.05E-03	1.00E-02	2.66E-02	2.51E-02	4.52E-01
2874	489615.05	3859239.43	0.08712	0.14671	0.13764	0.28825	0.00943	0.18882	0.14877	0.14671	4.18E-01	6.24E-03	3.30E-07	6.98E-03	2.03E-03	1.22E-02	2.43E-02	2.30E-02	4.47E-01
2875	489372.4	3859092.58	0.08011	0.13344	0.03782	0.30102	0.01133	0.15324	0.1395	0.13344	3.84E-01	5.68E-03	9.07E-08	7.29E-03	2.44E-03	9.91E-03	2.28E-02	2.09E-02	4.12E-01
2876	489422.4	3859092.58	0.07776	0.11205	0.04007	0.44829	0.01108	0.26377	0.11504	0.11205	3.73E-01	4.77E-03	9.61E-08	1.09E-02	2.39E-03	1.71E-02	1.88E-02	1.76E-02	4.09E-01
2877	489372.4	3859142.58	0.08861	0.20184	0.04537	0.21227	0.01105	0.09711	0.21796	0.20184	4.25E-01	8.59E-03	1.09E-07	5.14E-03	2.38E-03	6.28E-03	3.56E-02	3.16E-02	4.52E-01
2878	489422.4	3859142.58	0.08753	0.15784	0.04968	0.23594	0.01077	0.12637	0.1657	0.15784	4.20E-01	6.72E-03	1.19E-07	5.72E-03	2.32E-03	8.18E-03	2.70E-02	2.47E-02	4.45E-01
2879	488870.84	3858666.64	0.0955	0.06541	0.01902	0.28867	0.01879	0.19348	0.085	0.06541	4.58E-01	2.78E-03	4.56E-08	6.99E-03	4.05E-03	1.25E-02	1.39E-02	1.02E-02	4.88E-01
2880	488900.84	3858666.64	0.08739	0.06197	0.01905	0.48238	0.01863	0.29323	0.07771	0.06197	4.19E-01	2.64E-03	4.57E-08	1.17E-02	4.02E-03	1.90E-02	1.27E-02	9.71E-03	4.60E-01
2881	488870.84	3858696.64	0.0917	0.07282	0.01853	0.1989	0.01825	0.14161	0.0966	0.07282	4.40E-01	3.10E-03	4.44E-08	4.82E-03	3.94E-03	9.16E-03	1.58E-02	1.14E-02	4.65E-01
2882	488900.84	3858696.64	0.08483	0.06855	0.01863	0.28085	0.01812	0.18634	0.08743	0.06855	4.07E-01	2.92E-03	4.47E-08	6.80E-03	3.91E-03	1.21E-02	1.43E-02	1.07E-02	4.36E-01
2883	488889.67	3858683.97	0.08825	0.06697	0.01878	0.29018	0.0184	0.19264	0.08584	0.06697	4.24E-01	2.85E-03	4.50E-08	7.03E-03	3.97E-03	1.25E-02	1.40E-02	1.05E-02	4.53E-01
2884	488919.67	3858683.97	0.08196	0.0634	0.01883	0.48221	0.01823	0.29044	0.07858	0.0634	3.93E-01	2.70E-03	4.52E-08	1.17E-02	3.93E-03	1.88E-02	1.28E-02	9.93E-03	4.33E-01
2885	488889.67	3858713.97	0.0862	0.07478	0.01835	0.20052	0.01789	0.14116	0.09821	0.07478	4.14E-01	3.18E-03	4.40E-08	4.86E-03	3.86E-03	9.13E-03	1.60E-02	1.17E-02	4.39E-01
2886	488919.67	3858713.97	0.08062	0.07029	0.01847	0.2827	0.01774	0.18568	0.08888	0.07029	3.87E-01	2.99E-03	4.43E-08	6.85E-03	3.83E-03	1.20E-02	1.45E-02	1.10E-02	4.16E-01
2887	488906.61	3858703.33	0.08332	0.06942	0.01855	0.27582	0.01798	0.18299	0.08839	0.06942	4.00E-01	2.95E-03	4.45E-08	6.68E-03	3.88E-03	1.18E-02	1.44E-02	1.09E-02	4.29E-01
2888	488936.61	3858703.33	0.07822	0.06552	0.01862	0.44739	0.01782	0.27095	0.0807	0.06552	3.75E-01	2.79E-03	4.47E-08	1.08E-02	3.84E-03	1.75E-02	1.32E-02	1.03E-02	4.13E-01
2889	488906.61	3858733.33	0.08257	0.0777	0.01818	0.19519	0.01753	0.13677	0.10182	0.0777	3.96E-01	3.31E-03	4.36E-08	4.73E-03	3.78E-03	8.85E-03	1.66E-02	1.22E-02	4.21E-01
2890	488936.61	3858733.33	0.07782	0.0729	0.01833	0.27075	0.01737	0.17754	0.09195	0.0729	3.73E-01	3.10E-03	4.40E-08	6.56E-03	3.75E-03	1.15E-02	1.50E-02	1.14E-02	4.02E-01
2891	488637.63	3858467.85	0.10581	0.05289	0.02631	0.22239	0.02401	0.17355	0.08875	0.05289	5.08E-01	2.25E-03	6.31E-08	5.39E-03	5.18E-03	1.12E-02	1.45E-02	8.29E-03	5.38E-01
2892	488662.63	3858467.85	0.09888	0.05106	0.02613	0.31464	0.02408	0.22759	0.08163	0.05106	4.75E-01	2.17E-03	6.27E-08	7.62E-03	5.19E-03	1.47E-02	1.33E-02	8.00E-03	5.10E-01
2893	488637.63	3858492.85	0.10404	0.05675	0.02499	0.16771	0.02315	0.13857	0.09817	0.05675	4.99E-01	2.41E-03	5.99E-08	4.06E-03	4.99E-03	8.97E-03	1.60E-02	8.89E-03	5.27E-01
2894	488662.63	3858492.85	0.09888	0.05461	0.02485	0.21716	0.02325	0.16809	0.08945	0.05461	4.75E-01	2.32E-03	5.96E-08	5.26E-03	5.01E-03	1.09E-02	1.46E-02	8.55E-03	5.04E-01
2895	488687.63	3858492.85	0.0957	0.05259	0.02469	0.30469	0.02332	0.21942	0.08211	0.05259	4.59E-01	2.24E-03	5.92E-08	7.38E-03	5.03E-03	1.42E-02	1.34E-02	8.24E-03	4.93E-01
2896	488637.63	3858517.85	0.10676	0.06127	0.02379	0.13494	0.02231	0.11762	0.10993	0.06127	5.12E-01	2.61E-03	5.71E-08	3.27E-03	4.81E-03	7.61E-03	1.79E-02	9.60E-03	5.39E-01
2897	488662.63	3858517.85	0.10261	0.05874	0.02369	0.16513	0.02245	0.13513	0.09903	0.05874	4.92E-01	2.50E-03	5.68E-08	4.00E-03	4.84E-03	8.74E-03	1.62E-02	9.20E-03	5.19E-01
2898	488687.63	3858517.85	0.10042	0.05643	0.02358	0.2123	0.02253	0.16299	0.09016	0.05643	4.82E-01	2.40E-03	5.66E-08	5.14E-03	4.86E-03	1.05E-02	1.47E-02	8.84E-03	5.11E-01
2899	488194.42	3857168.98	0.0424	0.01386	0.01289	0.04912	1.64978	0.0379	0.02165	0.01386	2.03E-01	5.90E-04	3.09E-08	1.19E-03	3.56E-01	2.45E-03	3.53E-03	2.17E-03	5.65E-01
2900	488244.42	3857168.98	0.04125	0.01377	0.01289	0.04693	1.36558	0.03691	0.02089	0.01377	1.98E-01	5.86E-04	3.09E-08	1.14E-03	2.95E-01	2.39E-03	3.41E-03	2.16E-03	4.98E-01
2901	488294.42	3857168.98	0.0402	0.01363	0.01284	0.04497	1.16765	0.03591	0.02019	0.01363	1.93E-01	5.80E-04	3.08E-08	1.09E-03	2.52E-01	2.32E-03	3.30E-03	2.14E-03	4.50E-01
2902	488244.42	3857218.98	0.04236	0.01413	0.01327	0.04956	1.53951	0.03881	0.02169	0.01413	2.03E-01	6.01E-04	3.18E-08	1.20E-03	3.32E-01	2.51E-03	3.54E-03	2.21E-03	5.41E-01
2903	488294.42	3857218.98	0.04123	0.014	0.01332	0.04736	1.28013	0.03766	0.02093	0.014	1.98E-01	5.96E-04	3.19E-08	1.15E-03	2.76E-01	2.44E-03	3.42E-03	2.19E-03	4.79E-01

2904	488294.42	3857268.98	0.04232	0.01443	0.01416	0.05002	1.34877	0.03961	0.02172	0.01443	2.03E-01	6.14E-04	3.40E-08	1.21E-03	2.91E-01	2.56E-03	3.55E-03	2.26E-03	5.00E-01
2905	488139.13	3857111.68	0.0424	0.0136	0.01199	0.04857	1.64107	0.03692	0.02158	0.0136	2.03E-01	5.79E-04	2.88E-08	1.18E-03	3.54E-01	2.39E-03	3.52E-03	2.13E-03	5.63E-01
2906	488189.13	3857111.68	0.04123	0.01353	0.01245	0.04638	1.37074	0.03593	0.02081	0.01353	1.98E-01	5.76E-04	2.99E-08	1.12E-03	2.96E-01	2.32E-03	3.40E-03	2.12E-03	4.99E-01
2907	488189.13	3857161.68	0.04235	0.01383	0.01283	0.04897	1.64333	0.03773	0.02161	0.01383	2.03E-01	5.88E-04	3.08E-08	1.19E-03	3.54E-01	2.44E-03	3.53E-03	2.17E-03	5.63E-01
2908	487951.04	3856961.26	0.04345	0.01315	0.01026	0.04929	2.00128	0.03606	0.02204	0.01315	2.09E-01	5.60E-04	2.46E-08	1.19E-03	4.32E-01	2.33E-03	3.60E-03	2.06E-03	6.46E-01
2909	488001.04	3856961.26	0.04231	0.01302	0.01034	0.04698	1.59621	0.03487	0.02126	0.01302	2.03E-01	5.54E-04	2.48E-08	1.14E-03	3.44E-01	2.26E-03	3.47E-03	2.04E-03	5.53E-01
2910	488051.04	3856961.26	0.04129	0.01284	0.0104	0.04492	1.32525	0.03376	0.02055	0.01284	1.98E-01	5.46E-04	2.49E-08	1.09E-03	2.86E-01	2.18E-03	3.35E-03	2.01E-03	4.89E-01
2911	488101.04	3856961.26	0.04019	0.01279	0.01059	0.04304	1.11963	0.03286	0.01987	0.01279	1.93E-01	5.44E-04	2.54E-08	1.04E-03	2.41E-01	2.13E-03	3.24E-03	2.00E-03	4.39E-01
2912	487951.04	3857011.26	0.04453	0.01353	0.01021	0.05222	2.2931	0.03794	0.02294	0.01353	2.14E-01	5.76E-04	2.45E-08	1.27E-03	4.95E-01	2.45E-03	3.74E-03	2.12E-03	7.14E-01
2913	488001.04	3857011.26	0.04338	0.01332	0.01027	0.04963	1.86652	0.03656	0.0221	0.01332	2.08E-01	5.67E-04	2.46E-08	1.20E-03	4.03E-01	2.37E-03	3.61E-03	2.09E-03	6.16E-01
2914	488051.04	3857011.26	0.04229	0.01314	0.01039	0.04731	1.53783	0.03534	0.02131	0.01314	2.03E-01	5.59E-04	2.49E-08	1.15E-03	3.32E-01	2.29E-03	3.48E-03	2.06E-03	5.40E-01
2915	488101.04	3857011.26	0.04112	0.01308	0.0107	0.04521	1.28879	0.03434	0.02057	0.01308	1.97E-01	5.57E-04	2.57E-08	1.10E-03	2.78E-01	2.22E-03	3.36E-03	2.05E-03	4.80E-01
2916	488001.04	3857061.26	0.04452	0.01368	0.01033	0.05261	2.27388	0.03849	0.02299	0.01368	2.14E-01	5.82E-04	2.48E-08	1.27E-03	4.90E-01	2.49E-03	3.75E-03	2.14E-03	7.10E-01
2917	488051.04	3857061.26	0.0433	0.01353	0.01058	0.04998	1.84572	0.03717	0.02213	0.01353	2.08E-01	5.76E-04	2.54E-08	1.21E-03	3.98E-01	2.40E-03	3.61E-03	2.12E-03	6.12E-01
2918	488101.04	3857061.26	0.04213	0.01341	0.01102	0.04763	1.52638	0.036	0.02134	0.01341	2.02E-01	5.71E-04	2.64E-08	1.15E-03	3.29E-01	2.33E-03	3.48E-03	2.10E-03	5.37E-01
2919	487638.98	3856673.79	0.04488	0.01217	0.01186	0.04874	0.29078	0.03416	0.02224	0.01217	2.15E-01	5.18E-04	2.84E-08	1.18E-03	6.27E-02	2.21E-03	3.63E-03	1.91E-03	2.84E-01
2920	487688.98	3856673.79	0.04371	0.01204	0.01173	0.04642	0.30965	0.03303	0.02144	0.01204	2.10E-01	5.12E-04	2.81E-08	1.12E-03	6.68E-02	2.14E-03	3.50E-03	1.89E-03	2.82E-01
2921	487638.98	3856723.79	0.04594	0.01249	0.0116	0.05166	0.41777	0.03584	0.02315	0.01249	2.20E-01	5.31E-04	2.78E-08	1.25E-03	9.01E-02	2.32E-03	3.78E-03	1.96E-03	3.16E-01
2922	487688.98	3856723.79	0.0447	0.01235	0.01148	0.04903	0.45649	0.03457	0.02227	0.01235	2.15E-01	5.25E-04	2.75E-08	1.19E-03	9.85E-02	2.24E-03	3.64E-03	1.93E-03	3.19E-01
2923	486324.61	3855740.57	0.05447	0.01081	0.02904	0.06127	0.01521	0.0369	0.02758	0.01081	2.61E-01	4.60E-04	6.96E-08	1.48E-03	3.28E-03	2.39E-03	4.50E-03	1.69E-03	2.72E-01
2924	486374.61	3855740.57	0.05325	0.01047	0.02779	0.05612	0.0152	0.0345	0.02577	0.01047	2.56E-01	4.45E-04	6.66E-08	1.36E-03	3.28E-03	2.23E-03	4.21E-03	1.64E-03	2.65E-01
2925	486424.61	3855740.57	0.05183	0.01027	0.02703	0.05252	0.01529	0.03285	0.02451	0.01027	2.49E-01	4.37E-04	6.48E-08	1.27E-03	3.30E-03	2.13E-03	4.00E-03	1.61E-03	2.58E-01
2926	486324.61	3855790.57	0.05668	0.01106	0.03049	0.06695	0.01612	0.03923	0.02908	0.01106	2.72E-01	4.71E-04	7.31E-08	1.62E-03	3.48E-03	2.54E-03	4.75E-03	1.73E-03	2.83E-01
2927	486374.61	3855790.57	0.05526	0.01073	0.02916	0.06103	0.01618	0.03662	0.02713	0.01073	2.65E-01	4.57E-04	6.99E-08	1.48E-03	3.49E-03	2.37E-03	4.43E-03	1.68E-03	2.76E-01
2928	486424.61	3855790.57	0.0536	0.01057	0.02845	0.05716	0.01634	0.03495	0.02588	0.01057	2.57E-01	4.50E-04	6.82E-08	1.38E-03	3.52E-03	2.26E-03	4.22E-03	1.66E-03	2.67E-01
2929	486324.61	3855840.57	0.05912	0.01132	0.03177	0.07381	0.01707	0.04196	0.0308	0.01132	2.84E-01	4.82E-04	7.62E-08	1.79E-03	3.68E-03	2.71E-03	5.03E-03	1.77E-03	2.96E-01
2930	486374.61	3855840.57	0.05718	0.01111	0.0308	0.06799	0.01732	0.03959	0.0291	0.01111	2.74E-01	4.73E-04	7.39E-08	1.65E-03	3.74E-03	2.56E-03	4.75E-03	1.74E-03	2.86E-01
2931	486424.61	3855840.57	0.0555	0.01088	0.02976	0.06272	0.01749	0.03737	0.02747	0.01088	2.66E-01	4.63E-04	7.14E-08	1.52E-03	3.77E-03	2.42E-03	4.48E-03	1.70E-03	2.77E-01
2932	486324.61	3855890.57	0.06146	0.01173	0.03325	0.08389	0.01818	0.04597	0.03335	0.01173	2.95E-01	4.99E-04	7.97E-08	2.03E-03	3.92E-03	2.97E-03	5.44E-03	1.84E-03	3.08E-01
2933	486374.61	3855890.57	0.05936	0.01149	0.03204	0.07625	0.0185	0.043	0.03127	0.01149	2.85E-01	4.89E-04	7.68E-08	1.85E-03	3.99E-03	2.78E-03	5.10E-03	1.80E-03	2.97E-01
2934	486424.61	3855890.57	0.05753	0.01122	0.03081	0.06963	0.01873	0.04026	0.02935	0.01122	2.76E-01	4.77E-04	7.39E-08	1.69E-03	4.04E-03	2.60E-03	4.79E-03	1.76E-03	2.88E-01
2935	488735.69	3858285.64	0.09111	0.0327	0.0351	0.19458	0.03174	0.13279	0.04398	0.0327	4.37E-01	1.39E-03	8.42E-08	4.71E-03	6.85E-03	8.59E-03	7.18E-03	5.12E-03	4.61E-01
2936	488765.69	3858285.64	0.08428	0.0319	0.03429	0.17404	0.03159	0.12217	0.04193	0.0319	4.04E-01	1.36E-03	8.22E-08	4.22E-03	6.81E-03	7.90E-03	6.84E-03	5.00E-03	4.27E-01
2937	488735.69	3858315.64	0.08754	0.03432	0.03348	0.22625	0.03012	0.14699	0.04648	0.03432	4.20E-01	1.46E-03	8.03E-08	5.48E-03	6.50E-03	9.51E-03	7.59E-03	5.38E-03	4.45E-01
2938	488765.69	3858315.64	0.08177	0.03342	0.03275	0.19818	0.02997	0.13329	0.04417	0.03342	3.92E-01	1.42E-03	7.85E-08	4.80E-03	6.46E-03	8.62E-03	7.21E-03	5.24E-03	4.16E-01
2939	478676.63	3849871.93	0.00794	0.03901	0.00072	0.00124	0.00144	0.00131	0.0392	0.03901	3.81E-02	1.66E-03	1.73E-09	3.00E-05	3.11E-04	8.48E-05	6.40E-03	6.11E-03	4.05E-02
2940	479326.63	3849871.93	0.00598	0.02336	0.0007	0.00112	0.00145	0.00122	0.02345	0.02336	2.87E-02	9.94E-04	1.68E-09	2.71E-05	3.13E-04	7.89E-05	3.83E-03	3.66E-03	3.03E-02
2941	479376.63	3849871.93	0.00588	0.02265	0.0007	0.00112	0.00144	0.00121	0.02275	0.02265	2.82E-02	9.64E-04	1.68E-09	2.71E-05	3.11E-04	7.83E-05	3.71E-03	3.55E-03	2.98E-02
2942	479426.63	3849871.93	0.00578	0.0221	0.0007	0.00112	0.00143	0.00121	0.0222	0.0221	2.77E-02	9.40E-04	1.68E-09	2.71E-05	3.08E-04	7.83E-05	3.62E-03	3.46E-03	2.93E-02
2943	478726.63	3849921.93	0.00837	0.04108	0.00073	0.00125	0.00145	0.00132	0.04126	0.04108	4.02E-02	1.75E-03	1.75E-09	3.03E-05	3.13E-04	8.54E-05	6.73E-03	6.44E-03	4.26E-02
2944	478776.63	3849921.93	0.00809	0.03911	0.00073	0.00125	0.00146	0.00133	0.03927	0.03911	3.88E-02	1.66E-03	1.75E-09	3.03E-05	3.15E-04	8.61E-05	6.41E-03	6.13E-03	4.12E-02
2945	478826.63	3849921.93	0.00785	0.03727	0.00073	0.00124	0.00147	0.00133	0.03743	0.03727	3.77E-02	1.59E-03	1.75E-09	3.00E-05	3.17E-04	8.61E-05	6.11E-03	5.84E-03	4.00E-02
2946	478976.63	3849921.93	0.00727	0.03267	0.00072	0.00122	0.00148	0.00132	0.03279	0.03267	3.49E-02	1.39E-03	1.73E-09	2.96E-05	3.19E-04	8.54E-05	5.35E-03	5.12E-03	3.69E-02
2947	479026.63	3849921.93	0.00708	0.03152	0.00072	0.00121	0.00149	0.00132	0.03163	0.03152	3.40E-02	1.34E-03	1.73E-09	2.93E-05	3.21E-04	8.54E-05	5.16E-03	4.94E-03	3.60E-02
2948	479076.63	3849921.93	0.00693	0.03035	0.00072	0.0012	0.00149	0.00131	0.03045	0.03035	3.33E-02	1.29E-03	1.73E-09	2.91E-05	3.21E-04	8.48E-05	4.97E-03	4.75E-03	3.52E-02
2949	479126.63	3849921.93	0.00679	0.02921	0.00072	0.00119	0.00149	0.0013	0.02931	0.02921	3.26E-02	1.24E-03	1.73E-09	2.88E-05	3.21E-04	8.41E-05	4.78E-03	4.58E-03	3.45E-02
2950	479176.63	3849921.93	0.00664	0.02822	0.00072	0.00118	0.00149	0.00129	0.02831	0.02822	3.19E-02	1.20E-03	1.73E-09	2.86E-05	3.21E-04	8.35E-05	4.62E-03	4.42E-03	3.37E-02
2951	479226.63	3849921.93	0.00654	0.02706	0.00071	0.00117	0.00148	0.00127	0.02715	0.02706	3.14E-02	1.15E-03	1.70E-09	2.83E-05	3.19E-04	8.22E-05	4.43E-03	4.24E-03	3.32E-02
2952	479276.63	3849921.93	0.00647	0.02566	0.00071	0.00115	0.00148	0.00125	0.02574	0.02566	3.10E-02	1.09E-03	1.70E-09	2.79E-05	3.19E-04	8.09E-05	4.20E-03	4.02E-03	3.28E-02
2953	479326.63	3849921.93	0.00629	0.02536	0.00071	0.00115	0.00147	0.00126	0.02545	0.02536	3.02E-02	1.08E-03	1.70E-09	2.79E-05	3.17E-04	8.15E-05	4.15E-03	3.97E-03	3.19E-02
2954	479376.63	3849921.93	0.00623	0.0241	0.00071	0.00114	0.00146	0.00124	0.02419	0.0241	2.99E-02	1.03E-03	1.70E-09	2.76E-05	3.15E-04	8.02E-05	3.95E-03	3.78E-03	3.15E-02
2955	479426.63	3849921.93	0.00609	0.02369	0.00071	0.00114	0.00145	0.00124	0.02378	0.02369	2.92E-02	1.01E-03	1.70E-09	2.76E-05	3.13E-04	8.02E-05	3.88E-03	3.71E-03	3.08E-02
2956	478726.63	3849971.93	0.00921	0.0458	0.00074	0.00126	0.00145	0.00133	0.04596	0.0458	4.42E-02	1.95E-03	1.77E-09	3.05E-05	3.13E-04	8.61E-05	7.50E-03	7.17E-03	4.69E-02
2957	478776.63	3849971.93	0.00886	0.04334	0.00074	0.00126	0.00146	0.00134	0.0435	0.04334	4.25E-02	1.84E-03	1.77E-09	3.05E-05	3.15E-04	8.67E-05	7.10E-03	6.79E-03	4.51E-02
2958	478826.63	3849971.93	0.00856	0.0411	0.00074	0.00126	0.00147	0.00134	0.04125	0.0411	4.11E-02	1.75E-03	1.77E-09	3.05E-05	3.17E-04	8.67E-05	6.73E-03	6.44E-03	4.36E-02
2959	478976.63	3849971.93	0.00781	0.03576	0.00073	0.00124	0.00149	0.00135	0.03588	0.03576	3.75E-02	1.52E-03	1.75E-09	3.00E-05	3.21E-04	8.73E-05	5.86E-03	5.60E-03	3.97E-02
2960	479026.63	3849971.93	0.00763	0.0342	0.00073	0.00123	0.00149	0.00134	0.03431	0.0342	3.66E-02	1.46E-03	1.75E-09	2.98E-05	3.21E-04	8.67E-05	5.60E-03	5.36E-03	3.88E-02

2961	479076.63	3849971.93	0.00746	0.03278	0.00073	0.00122	0.0015	0.00133	0.03288	0.03278	3.58E-02	1.39E-03	1.75E-09	2.96E-05	3.24E-04	8.61E-05	5.37E-03	5.14E-03	3.79E-02
2962	479126.63	3849971.93	0.00728	0.0315	0.00073	0.00121	0.0015	0.00132	0.0316	0.0315	3.49E-02	1.34E-03	1.75E-09	2.93E-05	3.24E-04	8.54E-05	5.16E-03	4.93E-03	3.69E-02
2963	479176.63	3849971.93	0.00711	0.03034	0.00073	0.0012	0.0015	0.00131	0.03043	0.03034	3.41E-02	1.29E-03	1.75E-09	2.91E-05	3.24E-04	8.48E-05	4.97E-03	4.75E-03	3.61E-02
2964	479226.63	3849971.93	0.00706	0.02854	0.00072	0.00118	0.0015	0.00128	0.02862	0.02854	3.39E-02	1.21E-03	1.73E-09	2.86E-05	3.24E-04	8.28E-05	4.67E-03	4.47E-03	3.57E-02
2965	479276.63	3849971.93	0.00684	0.02796	0.00072	0.00118	0.00149	0.00129	0.02805	0.02796	3.28E-02	1.19E-03	1.73E-09	2.86E-05	3.21E-04	8.35E-05	4.58E-03	4.38E-03	3.46E-02
2966	479326.63	3849971.93	0.00665	0.0273	0.00072	0.00118	0.00149	0.00129	0.02738	0.0273	3.19E-02	1.16E-03	1.73E-09	2.86E-05	3.21E-04	8.35E-05	4.47E-03	4.28E-03	3.37E-02
2967	479376.63	3849971.93	0.0066	0.02597	0.00072	0.00116	0.00148	0.00126	0.02606	0.02597	3.17E-02	1.10E-03	1.73E-09	2.81E-05	3.19E-04	8.15E-05	4.25E-03	4.07E-03	3.34E-02
2968	479426.63	3849971.93	0.00647	0.02525	0.00072	0.00116	0.00147	0.00126	0.02534	0.02525	3.10E-02	1.07E-03	1.73E-09	2.81E-05	3.17E-04	8.15E-05	4.14E-03	3.96E-03	3.27E-02
2969	478726.63	3850021.93	0.01028	0.05179	0.00075	0.00127	0.00145	0.00133	0.05191	0.05179	4.93E-02	2.20E-03	1.80E-09	3.08E-05	3.13E-04	8.61E-05	8.47E-03	8.11E-03	5.23E-02
2970	478776.63	3850021.93	0.00984	0.04863	0.00075	0.00127	0.00146	0.00134	0.04876	0.04863	4.72E-02	2.07E-03	1.80E-09	3.08E-05	3.15E-04	8.67E-05	7.96E-03	7.62E-03	5.01E-02
2971	478826.63	3850021.93	0.00946	0.04585	0.00075	0.00127	0.00147	0.00135	0.04598	0.04585	4.54E-02	1.95E-03	1.80E-09	3.08E-05	3.17E-04	8.73E-05	7.51E-03	7.18E-03	4.81E-02
2972	478976.63	3850021.93	0.00853	0.03922	0.00074	0.00126	0.00149	0.00136	0.03932	0.03922	4.09E-02	1.67E-03	1.77E-09	3.05E-05	3.21E-04	8.80E-05	6.42E-03	6.14E-03	4.33E-02
2973	478726.63	3850071.93	0.01168	0.05966	0.00076	0.00128	0.00145	0.00134	0.05972	0.05966	5.61E-02	2.54E-03	1.82E-09	3.10E-05	3.13E-04	8.67E-05	9.75E-03	9.35E-03	5.94E-02
2974	478776.63	3850071.93	0.01111	0.05548	0.00076	0.00129	0.00146	0.00135	0.05556	0.05548	5.33E-02	2.36E-03	1.82E-09	3.13E-05	3.15E-04	8.73E-05	9.07E-03	8.69E-03	5.65E-02
2975	478826.63	3850071.93	0.01062	0.05186	0.00076	0.00129	0.00147	0.00136	0.05196	0.05186	5.10E-02	2.21E-03	1.82E-09	3.13E-05	3.17E-04	8.80E-05	8.48E-03	8.12E-03	5.40E-02
2976	478876.63	3850071.93	0.01018	0.04871	0.00075	0.00129	0.00148	0.00137	0.04881	0.04871	4.89E-02	2.07E-03	1.80E-09	3.13E-05	3.19E-04	8.86E-05	7.97E-03	7.63E-03	5.17E-02
2977	478976.63	3850071.93	0.00944	0.04347	0.00075	0.00128	0.00149	0.00138	0.04357	0.04347	4.53E-02	1.85E-03	1.80E-09	3.10E-05	3.21E-04	8.93E-05	7.11E-03	6.81E-03	4.79E-02
2978	478726.63	3850121.93	0.01365	0.07053	0.00077	0.00129	0.00145	0.00134	0.07046	0.07053	6.55E-02	3.00E-03	1.85E-09	3.13E-05	3.13E-04	8.67E-05	1.15E-02	1.10E-02	6.94E-02
2979	478776.63	3850121.93	0.01286	0.06471	0.00077	0.0013	0.00146	0.00135	0.06469	0.06471	6.17E-02	2.75E-03	1.85E-09	3.15E-05	3.15E-04	8.73E-05	1.06E-02	1.01E-02	6.53E-02
2980	478826.63	3850121.93	0.01218	0.05981	0.00077	0.0013	0.00147	0.00136	0.05982	0.05981	5.85E-02	2.54E-03	1.85E-09	3.15E-05	3.17E-04	8.80E-05	9.76E-03	9.37E-03	6.18E-02
2981	478876.63	3850121.93	0.01161	0.05561	0.00076	0.0013	0.00148	0.00137	0.05565	0.05561	5.57E-02	2.37E-03	1.82E-09	3.15E-05	3.19E-04	8.86E-05	9.08E-03	8.71E-03	5.89E-02
2982	478976.63	3850121.93	0.01062	0.04883	0.00076	0.0013	0.0015	0.00139	0.04889	0.04883	5.10E-02	2.08E-03	1.82E-09	3.15E-05	3.24E-04	8.99E-05	7.98E-03	7.65E-03	5.38E-02
2983	479026.63	3850121.93	0.01022	0.04605	0.00076	0.00129	0.0015	0.00139	0.04611	0.04605	4.90E-02	1.96E-03	1.82E-09	3.13E-05	3.24E-04	8.99E-05	7.53E-03	7.21E-03	5.18E-02
2984	479076.63	3850121.93	0.00987	0.04353	0.00076	0.00129	0.00151	0.00139	0.04359	0.04353	4.74E-02	1.85E-03	1.82E-09	3.13E-05	3.26E-04	8.99E-05	7.12E-03	6.82E-03	5.00E-02
2985	479126.63	3850121.93	0.00954	0.04128	0.00076	0.00128	0.00152	0.00139	0.04134	0.04128	4.58E-02	1.76E-03	1.82E-09	3.10E-05	3.28E-04	8.99E-05	6.75E-03	6.47E-03	4.83E-02
2986	478776.63	3850171.93	0.01539	0.07782	0.00078	0.0013	0.00146	0.00135	0.07761	0.07782	7.39E-02	3.31E-03	1.87E-09	3.15E-05	3.15E-04	8.73E-05	1.27E-02	1.22E-02	7.81E-02
2987	478826.63	3850171.93	0.01438	0.07078	0.00078	0.00131	0.00147	0.00137	0.07065	0.07078	6.90E-02	3.01E-03	1.87E-09	3.17E-05	3.17E-04	8.86E-05	1.15E-02	1.11E-02	7.29E-02
2988	478876.63	3850171.93	0.01354	0.06493	0.00077	0.00131	0.00148	0.00138	0.06486	0.06493	6.50E-02	2.76E-03	1.85E-09	3.17E-05	3.19E-04	8.93E-05	1.06E-02	1.02E-02	6.86E-02
2989	478976.63	3850171.93	0.01217	0.05577	0.00077	0.00131	0.0015	0.0014	0.05578	0.05577	5.84E-02	2.37E-03	1.85E-09	3.17E-05	3.24E-04	9.06E-05	9.10E-03	8.74E-03	6.16E-02
2990	479026.63	3850171.93	0.01162	0.05214	0.00077	0.00131	0.0015	0.00141	0.05216	0.05214	5.58E-02	2.22E-03	1.85E-09	3.17E-05	3.24E-04	9.12E-05	8.51E-03	8.17E-03	5.88E-02
2991	479076.63	3850171.93	0.01116	0.04896	0.00077	0.00131	0.00151	0.00141	0.04899	0.04896	5.36E-02	2.08E-03	1.85E-09	3.17E-05	3.26E-04	9.12E-05	8.00E-03	7.67E-03	5.64E-02
2992	479126.63	3850171.93	0.01073	0.04615	0.00077	0.0013	0.00152	0.00141	0.04618	0.04615	5.15E-02	1.96E-03	1.85E-09	3.15E-05	3.28E-04	9.12E-05	7.54E-03	7.23E-03	5.42E-02
2993	479176.63	3850171.93	0.0103	0.04368	0.00076	0.0013	0.00153	0.00141	0.04371	0.04368	4.94E-02	1.86E-03	1.82E-09	3.15E-05	3.30E-04	9.12E-05	7.13E-03	6.84E-03	5.20E-02
2994	479226.63	3850171.93	0.00989	0.04154	0.00076	0.00129	0.00153	0.00141	0.04158	0.04154	4.75E-02	1.77E-03	1.82E-09	3.13E-05	3.30E-04	9.12E-05	6.79E-03	6.51E-03	5.00E-02
2995	479276.63	3850171.93	0.00952	0.0396	0.00076	0.00129	0.00153	0.0014	0.03964	0.0396	4.57E-02	1.68E-03	1.82E-09	3.13E-05	3.30E-04	9.06E-05	6.47E-03	6.20E-03	4.81E-02
2996	479326.63	3850171.93	0.00925	0.03779	0.00076	0.00128	0.00154	0.00139	0.03784	0.03779	4.44E-02	1.61E-03	1.82E-09	3.10E-05	3.32E-04	8.99E-05	6.18E-03	5.92E-03	4.67E-02
2997	479376.63	3850171.93	0.00901	0.03607	0.00076	0.00127	0.00154	0.00138	0.0361	0.03607	4.32E-02	1.53E-03	1.82E-09	3.08E-05	3.32E-04	8.93E-05	5.89E-03	5.65E-03	4.55E-02
2998	478676.63	3850221.93	0.02475	0.13179	0.0008	0.00129	0.00144	0.00132	0.1304	0.13179	1.19E-01	5.61E-03	1.92E-09	3.13E-05	3.11E-04	8.54E-05	2.13E-02	2.06E-02	1.25E-01
2999	478726.63	3850221.93	0.02155	0.11231	0.0008	0.0013	0.00145	0.00134	0.11141	0.11231	1.03E-01	4.78E-03	1.92E-09	3.15E-05	3.13E-04	8.67E-05	1.82E-02	1.76E-02	1.09E-01
3000	478976.63	3850221.93	0.01424	0.06511	0.00078	0.00133	0.0015	0.00141	0.065	0.06511	6.83E-02	2.77E-03	1.87E-09	3.22E-05	3.24E-04	9.12E-05	1.06E-02	1.02E-02	7.20E-02
3001	479026.63	3850221.93	0.01348	0.06015	0.00078	0.00133	0.00151	0.00142	0.06007	0.06015	6.47E-02	2.56E-03	1.87E-09	3.22E-05	3.26E-04	9.19E-05	9.81E-03	9.42E-03	6.81E-02
3002	479076.63	3850221.93	0.01286	0.05594	0.00078	0.00132	0.00151	0.00142	0.05591	0.05594	6.17E-02	2.38E-03	1.87E-09	3.20E-05	3.26E-04	9.19E-05	9.13E-03	8.76E-03	6.49E-02
3003	479126.63	3850221.93	0.01229	0.05229	0.00078	0.00132	0.00152	0.00143	0.05227	0.05229	5.90E-02	2.22E-03	1.87E-09	3.20E-05	3.28E-04	9.25E-05	8.53E-03	8.19E-03	6.20E-02
3004	479176.63	3850221.93	0.01172	0.04912	0.00077	0.00132	0.00153	0.00143	0.04911	0.04912	5.62E-02	2.09E-03	1.85E-09	3.20E-05	3.30E-04	9.25E-05	8.02E-03	7.69E-03	5.91E-02
3005	479226.63	3850221.93	0.01121	0.04633	0.00077	0.00131	0.00153	0.00143	0.04633	0.04633	5.38E-02	1.97E-03	1.85E-09	3.17E-05	3.30E-04	9.25E-05	7.56E-03	7.26E-03	5.65E-02
3006	479276.63	3850221.93	0.01077	0.04386	0.00077	0.00131	0.00154	0.00142	0.04387	0.04386	5.17E-02	1.87E-03	1.85E-09	3.17E-05	3.32E-04	9.19E-05	7.16E-03	6.87E-03	5.43E-02
3007	479326.63	3850221.93	0.01044	0.04166	0.00077	0.0013	0.00154	0.00142	0.04167	0.04166	5.01E-02	1.77E-03	1.85E-09	3.15E-05	3.32E-04	9.19E-05	6.80E-03	6.53E-03	5.26E-02
3008	479376.63	3850221.93	0.01014	0.03965	0.00077	0.00129	0.00155	0.00141	0.03967	0.03965	4.87E-02	1.69E-03	1.85E-09	3.13E-05	3.34E-04	9.12E-05	6.48E-03	6.21E-03	5.11E-02
3009	478676.63	3850271.93	0.03856	0.20205	0.00081	0.00129	0.00144	0.00132	0.19803	0.20205	1.85E-01	8.60E-03	1.94E-09	3.13E-05	3.11E-04	8.54E-05	3.23E-02	3.17E-02	1.95E-01
3010	478726.63	3850271.93	0.03103	0.16028	0.00081	0.0013	0.00145	0.00134	0.15785	0.16028	1.49E-01	6.82E-03	1.94E-09	3.15E-05	3.13E-04	8.67E-05	2.58E-02	2.51E-02	1.57E-01
3011	478976.63	3850271.93	0.01714	0.07847	0.00079	0.00134	0.0015	0.00141	0.07813	0.07847	8.23E-02	3.34E-03	1.89E-09	3.25E-05	3.24E-04	9.12E-05	1.28E-02	1.23E-02	8.65E-02
3012	479026.63	3850271.93	0.01606	0.07126	0.00079	0.00134	0.00151	0.00143	0.07102	0.07126	7.71E-02	3.03E-03	1.89E-09	3.25E-05	3.26E-04	9.25E-05	1.16E-02	1.12E-02	8.10E-02
3013	479076.63	3850271.93	0.0152	0.06534	0.00079	0.00134	0.00152	0.00143	0.06518	0.06534	7.29E-02	2.78E-03	1.89E-09	3.25E-05	3.28E-04	9.25E-05	1.06E-02	1.02E-02	7.66E-02
3014	479126.63	3850271.93	0.01443	0.06037	0.00079	0.00134	0.00152	0.00144	0.06025	0.06037	6.92E-02	2.57E-03	1.89E-09	3.25E-05	3.28E-04	9.32E-05	9.83E-03	9.46E-03	7.26E-02
3015	479176.63	3850271.93	0.01369	0.05611	0.00079	0.00134	0.00153	0.00144	0.05603	0.05611	6.57E-02	2.39E-03	1.89E-09	3.25E-05	3.30E-04	9.32E-05	9.15E-03	8.79E-03	6.89E-02
3016	479226.63	3850271.93	0.01303	0.05244	0.00078	0.00133	0.00154	0.00145	0.05238	0.05244	6.25E-02	2.23E-03	1.87E-09	3.22E-05	3.32E-04	9.38E-05	8.55E-03	8.21E-03	6.56E-02
3017	479276.63	3850271.93	0.01251	0.04926	0.00078	0.00133	0.00154	0.00144	0.04922	0.04926	6.00E-02	2.10E-03	1.87E-09	3.22E-05	3.32E-04	9.32E-05	8.03E-03	7.72E-03	6.29E-02

3018	479326.63	3850271.93	0.0121	0.04648	0.00078	0.00132	0.00155	0.00144	0.04645	0.04648	5.81E-02	1.98E-03	1.87E-09	3.20E-05	3.34E-04	9.32E-05	7.58E-03	7.28E-03	6.08E-02
3019	479376.63	3850271.93	0.01176	0.04394	0.00078	0.00131	0.00155	0.00143	0.04392	0.04394	5.64E-02	1.87E-03	1.87E-09	3.17E-05	3.34E-04	9.25E-05	7.17E-03	6.88E-03	5.90E-02
3020	479053.24	3850293.52	0.01695	0.07358	0.00079	0.00134	0.00151	0.00143	0.07328	0.07358	8.13E-02	3.13E-03	1.89E-09	3.25E-05	3.26E-04	9.25E-05	1.20E-02	1.15E-02	8.54E-02
3021	479103.24	3850293.52	0.01605	0.06727	0.00079	0.00135	0.00152	0.00144	0.06706	0.06727	7.70E-02	2.86E-03	1.89E-09	3.27E-05	3.28E-04	9.32E-05	1.09E-02	1.05E-02	8.07E-02
3022	479153.24	3850293.52	0.01519	0.06202	0.00079	0.00134	0.00153	0.00145	0.06187	0.06202	7.29E-02	2.64E-03	1.89E-09	3.25E-05	3.30E-04	9.38E-05	1.01E-02	9.72E-03	7.64E-02
3023	479203.24	3850293.52	0.0144	0.05752	0.00079	0.00134	0.00154	0.00145	0.05741	0.05752	6.91E-02	2.45E-03	1.89E-09	3.25E-05	3.32E-04	9.38E-05	9.37E-03	9.01E-03	7.24E-02
3024	479253.24	3850293.52	0.01376	0.05368	0.00079	0.00134	0.00154	0.00145	0.0536	0.05368	6.60E-02	2.28E-03	1.89E-09	3.25E-05	3.32E-04	9.38E-05	8.75E-03	8.41E-03	6.91E-02
3025	479303.24	3850293.52	0.01326	0.05037	0.00079	0.00133	0.00155	0.00145	0.05031	0.05037	6.36E-02	2.14E-03	1.89E-09	3.22E-05	3.34E-04	9.38E-05	8.21E-03	7.89E-03	6.66E-02
3026	479353.24	3850293.52	0.01285	0.04742	0.00078	0.00132	0.00155	0.00144	0.04737	0.04742	6.17E-02	2.02E-03	1.87E-09	3.20E-05	3.34E-04	9.32E-05	7.73E-03	7.43E-03	6.44E-02
3027	479153.24	3850343.52	0.01915	0.07394	0.0008	0.00136	0.00153	0.00146	0.07358	0.07394	9.19E-02	3.15E-03	1.92E-09	3.29E-05	3.30E-04	9.45E-05	1.20E-02	1.16E-02	9.59E-02
3028	479203.24	3850343.52	0.01812	0.06756	0.0008	0.00136	0.00154	0.00147	0.06731	0.06756	8.70E-02	2.87E-03	1.92E-09	3.29E-05	3.32E-04	9.51E-05	1.10E-02	1.06E-02	9.07E-02
3029	479253.24	3850343.52	0.01733	0.06231	0.0008	0.00136	0.00154	0.00147	0.06212	0.06231	8.32E-02	2.65E-03	1.92E-09	3.29E-05	3.32E-04	9.51E-05	1.01E-02	9.76E-03	8.67E-02
3030	479303.24	3850343.52	0.01662	0.05784	0.0008	0.00135	0.00155	0.00147	0.05769	0.05784	7.98E-02	2.46E-03	1.92E-09	3.27E-05	3.34E-04	9.51E-05	9.42E-03	9.06E-03	8.30E-02
3031	479353.24	3850343.52	0.01595	0.05394	0.00079	0.00134	0.00156	0.00146	0.05382	0.05394	7.65E-02	2.30E-03	1.89E-09	3.25E-05	3.36E-04	9.45E-05	8.78E-03	8.45E-03	7.96E-02
3032	479203.24	3850393.52	0.02749	0.0822	0.00081	0.00137	0.00154	0.00148	0.08166	0.0822	1.32E-01	3.50E-03	1.94E-09	3.32E-05	3.32E-04	9.58E-05	1.33E-02	1.29E-02	1.36E-01
3033	479253.24	3850393.52	0.0252	0.07446	0.00081	0.00137	0.00155	0.00148	0.07406	0.07446	1.21E-01	3.17E-03	1.94E-09	3.32E-05	3.34E-04	9.58E-05	1.21E-02	1.17E-02	1.25E-01
3034	479303.24	3850393.52	0.02313	0.06811	0.00081	0.00137	0.00155	0.00148	0.06779	0.06811	1.11E-01	2.90E-03	1.94E-09	3.32E-05	3.34E-04	9.58E-05	1.11E-02	1.07E-02	1.15E-01
3035	479353.24	3850393.52	0.02141	0.06273	0.0008	0.00136	0.00156	0.00148	0.06247	0.06273	1.03E-01	2.67E-03	1.92E-09	3.29E-05	3.36E-04	9.58E-05	1.02E-02	9.83E-03	1.06E-01
3036	479403.24	3850393.52	0.01995	0.05809	0.0008	0.00136	0.00157	0.00148	0.05788	0.05809	9.57E-02	2.47E-03	1.92E-09	3.29E-05	3.39E-04	9.58E-05	9.45E-03	9.10E-03	9.90E-02
3037	479453.24	3850393.52	0.01873	0.05401	0.0008	0.00135	0.00158	0.00147	0.05383	0.05401	8.99E-02	2.30E-03	1.92E-09	3.27E-05	3.41E-04	9.51E-05	8.79E-03	8.46E-03	9.30E-02
3038	479503.24	3850393.52	0.01768	0.05031	0.0008	0.00134	0.00158	0.00145	0.05015	0.05031	8.48E-02	2.14E-03	1.92E-09	3.25E-05	3.41E-04	9.38E-05	8.19E-03	7.88E-03	8.78E-02
3039	479303.24	3850443.52	0.03711	0.08309	0.00082	0.00138	0.00156	0.0015	0.08245	0.08309	1.78E-01	3.54E-03	1.97E-09	3.34E-05	3.36E-04	9.71E-05	1.35E-02	1.30E-02	1.83E-01
3040	479353.24	3850443.52	0.03159	0.07513	0.00081	0.00138	0.00157	0.0015	0.07462	0.07513	1.52E-01	3.20E-03	1.94E-09	3.34E-05	3.39E-04	9.71E-05	1.22E-02	1.18E-02	1.56E-01
3041	479403.24	3850443.52	0.02774	0.06843	0.00081	0.00138	0.00158	0.00149	0.06801	0.06843	1.33E-01	2.91E-03	1.94E-09	3.34E-05	3.41E-04	9.64E-05	1.11E-02	1.07E-02	1.37E-01
3042	479453.24	3850443.52	0.02494	0.06271	0.00081	0.00137	0.00158	0.00149	0.06237	0.06271	1.20E-01	2.67E-03	1.94E-09	3.32E-05	3.41E-04	9.64E-05	1.02E-02	9.82E-03	1.23E-01
3043	479503.24	3850443.52	0.02279	0.05773	0.00081	0.00136	0.00159	0.00148	0.05747	0.05773	1.09E-01	2.46E-03	1.94E-09	3.29E-05	3.43E-04	9.58E-05	9.38E-03	9.04E-03	1.13E-01
3044	480327.18	3850987.04	0.02203	0.1013	0.00093	0.00151	0.00173	0.00163	0.10091	0.1013	1.06E-01	4.31E-03	2.23E-09	3.66E-05	3.73E-04	1.05E-04	1.65E-02	1.59E-02	1.11E-01
3045	480377.18	3850987.04	0.01975	0.08939	0.00093	0.00151	0.00173	0.00163	0.08921	0.08939	9.48E-02	3.80E-03	2.23E-09	3.66E-05	3.73E-04	1.05E-04	1.46E-02	1.40E-02	9.97E-02
3046	480427.18	3850987.04	0.01802	0.0798	0.00093	0.0015	0.00173	0.00162	0.07976	0.0798	8.65E-02	3.40E-03	2.23E-09	3.63E-05	3.73E-04	1.05E-04	1.30E-02	1.25E-02	9.09E-02
3047	480477.18	3850987.04	0.01667	0.07179	0.00094	0.0015	0.00172	0.00162	0.07186	0.07179	8.00E-02	3.05E-03	2.25E-09	3.63E-05	3.71E-04	1.05E-04	1.17E-02	1.12E-02	8.40E-02
3048	480327.18	3851037.04	0.02941	0.13899	0.00094	0.00154	0.00175	0.00166	0.13814	0.13899	1.41E-01	5.91E-03	2.25E-09	3.73E-05	3.77E-04	1.07E-04	2.25E-02	2.18E-02	1.48E-01
3049	480377.18	3851037.04	0.02485	0.11767	0.00094	0.00153	0.00175	0.00165	0.11723	0.11767	1.19E-01	5.01E-03	2.25E-09	3.71E-05	3.77E-04	1.07E-04	1.91E-02	1.84E-02	1.25E-01
3050	480427.18	3851037.04	0.02174	0.10163	0.00094	0.00153	0.00175	0.00165	0.10146	0.10163	1.04E-01	4.32E-03	2.25E-09	3.71E-05	3.77E-04	1.07E-04	1.66E-02	1.59E-02	1.10E-01
3051	480477.18	3851037.04	0.01948	0.08929	0.00095	0.00152	0.00174	0.00164	0.08931	0.08929	9.35E-02	3.80E-03	2.28E-09	3.68E-05	3.75E-04	1.06E-04	1.46E-02	1.40E-02	9.84E-02
3052	480622.06	3851087.39	0.01778	0.08036	0.00098	0.00154	0.00175	0.00167	0.0807	0.08036	8.53E-02	3.42E-03	2.35E-09	3.73E-05	3.77E-04	1.08E-04	1.32E-02	1.26E-02	8.99E-02
3053	480672.06	3851087.39	0.01636	0.07242	0.00099	0.00154	0.00174	0.00168	0.07281	0.07242	7.85E-02	3.08E-03	2.37E-09	3.73E-05	3.75E-04	1.09E-04	1.19E-02	1.13E-02	8.27E-02
3054	480622.06	3851137.39	0.02193	0.10336	0.00099	0.00156	0.00177	0.00169	0.10377	0.10336	1.05E-01	4.40E-03	2.37E-09	3.78E-05	3.82E-04	1.09E-04	1.69E-02	1.62E-02	1.11E-01
3055	480672.06	3851137.39	0.01954	0.09053	0.001	0.00156	0.00177	0.0017	0.09103	0.09053	9.38E-02	3.85E-03	2.40E-09	3.78E-05	3.82E-04	1.10E-04	1.49E-02	1.42E-02	9.88E-02
3056	480722.06	3851137.39	0.01773	0.08065	0.00101	0.00156	0.00176	0.00171	0.0812	0.08065	8.51E-02	3.43E-03	2.42E-09	3.78E-05	3.80E-04	1.11E-04	1.33E-02	1.26E-02	8.97E-02
3057	480622.06	3851187.39	0.03045	0.14429	0.001	0.00159	0.00179	0.00172	0.14481	0.14429	1.46E-01	6.14E-03	2.40E-09	3.85E-05	3.86E-04	1.11E-04	2.36E-02	2.26E-02	1.54E-01
3058	480672.06	3851187.39	0.02548	0.12079	0.00101	0.00159	0.00179	0.00172	0.12147	0.12079	1.22E-01	5.14E-03	2.42E-09	3.85E-05	3.86E-04	1.11E-04	1.98E-02	1.89E-02	1.29E-01
3059	480722.06	3851187.39	0.02212	0.10387	0.00102	0.00159	0.00178	0.00173	0.1046	0.10387	1.06E-01	4.42E-03	2.45E-09	3.85E-05	3.84E-04	1.12E-04	1.71E-02	1.63E-02	1.12E-01
3060	471363.09	3845877.25	0.00095	0.0037	0.0004	0.00063	0.0008	0.0007	0.00373	0.0037	4.56E-03	1.57E-04	9.59E-10	1.53E-05	1.73E-04	4.53E-05	6.09E-04	5.80E-04	4.98E-03
3061	471863.09	3845877.25	0.00096	0.00369	0.00041	0.00062	0.00079	0.00071	0.00371	0.00369	4.61E-03	1.57E-04	9.83E-10	1.50E-05	1.70E-04	4.59E-05	6.06E-04	5.78E-04	5.02E-03
3062	472363.09	3845877.25	0.00098	0.00425	0.00043	0.00064	0.0008	0.00071	0.00427	0.00425	4.70E-03	1.81E-04	1.03E-09	1.55E-05	1.73E-04	4.59E-05	6.97E-04	6.66E-04	5.15E-03
3063	472863.09	3845877.25	0.00095	0.0041	0.00043	0.00064	0.00081	0.0007	0.00413	0.0041	4.56E-03	1.74E-04	1.03E-09	1.55E-05	1.75E-04	4.53E-05	6.74E-04	6.42E-04	5.00E-03
3064	473363.09	3845877.25	0.00094	0.0042	0.00043	0.00068	0.00085	0.0007	0.00426	0.0042	4.51E-03	1.79E-04	1.03E-09	1.65E-05	1.83E-04	4.53E-05	6.95E-04	6.58E-04	4.97E-03
3065	473863.09	3845877.25	0.00092	0.00426	0.00042	0.0007	0.00089	0.0007	0.00433	0.00426	4.41E-03	1.81E-04	1.01E-09	1.70E-05	1.92E-04	4.53E-05	7.07E-04	6.67E-04	4.89E-03
3066	474363.09	3845877.25	0.0009	0.00452	0.00041	0.00068	0.00091	0.00069	0.00459	0.00452	4.32E-03	1.92E-04	9.83E-10	1.65E-05	1.96E-04	4.46E-05	7.49E-04	7.08E-04	4.81E-03
3067	474863.09	3845877.25	0.00091	0.00466	0.00041	0.00065	0.00088	0.00068	0.00472	0.00466	4.37E-03	1.98E-04	9.83E-10	1.57E-05	1.90E-04	4.40E-05	7.70E-04	7.30E-04	4.86E-03
3068	475363.09	3845877.25	0.00095	0.00472	0.00041	0.00062	0.00082	0.0007	0.00474	0.00472	4.56E-03	2.01E-04	9.83E-10	1.50E-05	1.77E-04	4.53E-05	7.74E-04	7.39E-04	5.03E-03
3069	475863.09	3845877.25	0.00098	0.0046	0.00041	0.00061	0.00076	0.00071	0.00462	0.0046	4.70E-03	1.96E-04	9.83E-10	1.48E-05	1.64E-04	4.59E-05	7.54E-04	7.21E-04	5.16E-03
3070	476363.09	3845877.25	0.00098	0.00437	0.00041	0.00063	0.00072	0.0007	0.00441	0.00437	4.70E-03	1.86E-04	9.83E-10	1.53E-05	1.55E-04	4.53E-05	7.20E-04	6.85E-04	5.14E-03
3071	476863.09	3845877.25	0.00094	0.00411	0.00041	0.00064	0.00071	0.00069	0.00417	0.00411	4.51E-03	1.75E-04	9.83E-10	1.55E-05	1.53E-04	4.46E-05	6.81E-04	6.44E-04	4.94E-03
3072	477363.09	3845877.25	0.0009	0.0039	0.00041	0.00065	0.00078	0.00068	0.00396	0.0039	4.32E-03	1.66E-04	9.83E-10	1.57E-05	1.68E-04	4.40E-05	6.46E-04	6.11E-04	4.75E-03
3073	477863.09	3845877.25	0.00088	0.00366	0.00041	0.00063	0.00088	0.00067	0.00371	0.00366	4.22E-03	1.56E-04	9.83E-10	1.53E-05	1.90E-04	4.34E-05	6.06E-04	5.73E-04	4.66E-03
3074	478363.09	3845877.25	0.00089	0.00352	0.00041	0.00061	0.00085	0.00066	0.00355	0.00352	4.27E-03	1.50E-04	9.83E-10	1.48E-05	1.83E-04	4.27E-05	5.79E-04	5.51E-04	4.69E-03

3075	478863.09	3845877.25	0.00089	0.00339	0.00041	0.00061	0.00073	0.00066	0.00342	0.00339	4.27E-03	1.44E-04	9.83E-10	1.48E-05	1.57E-04	4.27E-05	5.58E-04	5.31E-04	4.66E-03
3076	479363.09	3845877.25	0.00092	0.00332	0.00041	0.00061	0.00069	0.00067	0.00336	0.00332	4.41E-03	1.41E-04	9.83E-10	1.48E-05	1.49E-04	4.34E-05	5.48E-04	5.20E-04	4.79E-03
3077	479863.09	3845877.25	0.00096	0.00319	0.00043	0.00061	0.00067	0.00068	0.00323	0.00319	4.61E-03	1.36E-04	1.03E-09	1.48E-05	1.45E-04	4.40E-05	5.27E-04	5.00E-04	4.97E-03
3078	480363.09	3845877.25	0.00099	0.00298	0.00045	0.0006	0.00067	0.00068	0.00301	0.00298	4.75E-03	1.27E-04	1.08E-09	1.45E-05	1.45E-04	4.40E-05	4.91E-04	4.67E-04	5.11E-03
3079	480863.09	3845877.25	0.001	0.00285	0.00046	0.0006	0.0007	0.00069	0.00287	0.00285	4.80E-03	1.21E-04	1.10E-09	1.45E-05	1.51E-04	4.46E-05	4.68E-04	4.46E-04	5.15E-03
3080	481363.09	3845877.25	0.00098	0.00273	0.00046	0.00061	0.00072	0.00068	0.00276	0.00273	4.70E-03	1.16E-04	1.10E-09	1.48E-05	1.55E-04	4.40E-05	4.51E-04	4.28E-04	5.06E-03
3081	481863.09	3845877.25	0.00092	0.0026	0.00043	0.0006	0.00073	0.00067	0.00263	0.0026	4.41E-03	1.11E-04	1.03E-09	1.45E-05	1.57E-04	4.34E-05	4.29E-04	4.07E-04	4.76E-03
3082	482363.09	3845877.25	0.00088	0.00247	0.00042	0.0006	0.0007	0.00066	0.0025	0.00247	4.22E-03	1.05E-04	1.01E-09	1.45E-05	1.51E-04	4.27E-05	4.08E-04	3.87E-04	4.56E-03
3083	482863.09	3845877.25	0.00084	0.0022	0.00041	0.00057	0.0007	0.00064	0.00223	0.0022	4.03E-03	9.36E-05	9.83E-10	1.38E-05	1.51E-04	4.14E-05	3.64E-04	3.45E-04	4.35E-03
3084	483363.09	3845877.25	0.00083	0.00207	0.0004	0.00056	0.00074	0.00063	0.00209	0.00207	3.98E-03	8.81E-05	9.59E-10	1.36E-05	1.60E-04	4.08E-05	3.41E-04	3.24E-04	4.30E-03
3085	483863.09	3845877.25	0.00088	0.00223	0.00042	0.00059	0.00079	0.00064	0.00226	0.00223	4.22E-03	9.49E-05	1.01E-09	1.43E-05	1.70E-04	4.14E-05	3.69E-04	3.49E-04	4.56E-03
3086	484363.09	3845877.25	0.00087	0.00221	0.00043	0.00059	0.00077	0.00063	0.00223	0.00221	4.18E-03	9.40E-05	1.03E-09	1.43E-05	1.66E-04	4.08E-05	3.64E-04	3.46E-04	4.51E-03
3087	484863.09	3845877.25	0.00085	0.00216	0.00042	0.00058	0.00073	0.00062	0.00218	0.00216	4.08E-03	9.19E-05	1.01E-09	1.41E-05	1.57E-04	4.01E-05	3.56E-04	3.38E-04	4.40E-03
3088	485363.09	3845877.25	0.00083	0.00208	0.00041	0.00058	0.00067	0.0006	0.00211	0.00208	3.98E-03	8.85E-05	9.83E-10	1.41E-05	1.45E-04	3.88E-05	3.44E-04	3.26E-04	4.29E-03
3089	485863.09	3845877.25	0.00084	0.00208	0.00042	0.00058	0.00061	0.0006	0.0021	0.00208	4.03E-03	8.85E-05	1.01E-09	1.41E-05	1.32E-04	3.88E-05	3.43E-04	3.26E-04	4.32E-03
3090	486363.09	3845877.25	0.00085	0.00205	0.00042	0.00057	0.00061	0.0006	0.00207	0.00205	4.08E-03	8.72E-05	1.01E-09	1.38E-05	1.32E-04	3.88E-05	3.38E-04	3.21E-04	4.37E-03
3091	486863.09	3845877.25	0.00084	0.00197	0.00041	0.00055	0.00062	0.00059	0.00199	0.00197	4.03E-03	8.38E-05	9.83E-10	1.33E-05	1.34E-04	3.82E-05	3.25E-04	3.09E-04	4.32E-03
3092	487363.09	3845877.25	0.00085	0.00194	0.0004	0.00055	0.00063	0.00059	0.00196	0.00194	4.08E-03	8.25E-05	9.59E-10	1.33E-05	1.36E-04	3.82E-05	3.20E-04	3.04E-04	4.37E-03
3093	487863.09	3845877.25	0.00084	0.00187	0.00039	0.00054	0.00066	0.00058	0.00189	0.00187	4.03E-03	7.96E-05	9.35E-10	1.31E-05	1.42E-04	3.75E-05	3.09E-04	2.93E-04	4.32E-03
3094	488363.09	3845877.25	0.00084	0.00183	0.00039	0.00053	0.0007	0.00058	0.00185	0.00183	4.03E-03	7.79E-05	9.35E-10	1.28E-05	1.51E-04	3.75E-05	3.02E-04	2.87E-04	4.33E-03
3095	488863.09	3845877.25	0.00088	0.00192	0.0004	0.00054	0.00068	0.00059	0.00194	0.00192	4.22E-03	8.17E-05	9.59E-10	1.31E-05	1.47E-04	3.82E-05	3.17E-04	3.01E-04	4.52E-03
3096	489363.09	3845877.25	0.00089	0.0019	0.0004	0.00054	0.00063	0.00059	0.00192	0.0019	4.27E-03	8.08E-05	9.59E-10	1.31E-05	1.36E-04	3.82E-05	3.13E-04	2.98E-04	4.55E-03
3097	489863.09	3845877.25	0.00087	0.00184	0.00041	0.00053	0.00062	0.00059	0.00185	0.00184	4.18E-03	7.83E-05	9.83E-10	1.28E-05	1.34E-04	3.82E-05	3.02E-04	2.88E-04	4.45E-03
3098	490363.09	3845877.25	0.00086	0.00175	0.00041	0.00052	0.00062	0.00058	0.00176	0.00175	4.13E-03	7.45E-05	9.83E-10	1.26E-05	1.34E-04	3.75E-05	2.87E-04	2.74E-04	4.40E-03
3099	490863.09	3845877.25	0.00084	0.00158	0.0004	0.0005	0.00063	0.00057	0.0016	0.00158	4.03E-03	6.72E-05	9.59E-10	1.21E-05	1.36E-04	3.69E-05	2.61E-04	2.48E-04	4.30E-03
3100	491363.09	3845877.25	0.00087	0.00166	0.00041	0.00052	0.00067	0.00059	0.00167	0.00166	4.18E-03	7.06E-05	9.83E-10	1.26E-05	1.45E-04	3.82E-05	2.73E-04	2.60E-04	4.45E-03
3101	491863.09	3845877.25	0.0009	0.00169	0.00043	0.00054	0.00069	0.0006	0.0017	0.00169	4.32E-03	7.19E-05	1.03E-09	1.31E-05	1.49E-04	3.88E-05	2.77E-04	2.65E-04	4.60E-03
3102	492363.09	3845877.25	0.00088	0.00157	0.00043	0.00053	0.00066	0.00059	0.00158	0.00157	4.22E-03	6.68E-05	1.03E-09	1.28E-05	1.42E-04	3.82E-05	2.58E-04	2.46E-04	4.50E-03
3103	492863.09	3845877.25	0.00093	0.00168	0.00045	0.00055	0.00067	0.00062	0.0017	0.00168	4.46E-03	7.15E-05	1.08E-09	1.33E-05	1.45E-04	4.01E-05	2.77E-04	2.63E-04	4.75E-03
3104	493363.09	3845877.25	0.00096	0.00171	0.00046	0.00056	0.00067	0.00063	0.00173	0.00171	4.61E-03	7.28E-05	1.10E-09	1.36E-05	1.45E-04	4.08E-05	2.82E-04	2.68E-04	4.89E-03
3105	493863.09	3845877.25	0.00099	0.00173	0.00047	0.00058	0.00069	0.00065	0.00175	0.00173	4.75E-03	7.36E-05	1.13E-09	1.41E-05	1.49E-04	4.21E-05	2.86E-04	2.71E-04	5.04E-03
3106	494363.09	3845877.25	0.00102	0.00174	0.00049	0.00059	0.0007	0.00066	0.00176	0.00174	4.89E-03	7.40E-05	1.18E-09	1.43E-05	1.51E-04	4.27E-05	2.87E-04	2.73E-04	5.19E-03
3107	494863.09	3845877.25	0.00104	0.00174	0.0005	0.0006	0.0007	0.00067	0.00176	0.00174	4.99E-03	7.40E-05	1.20E-09	1.45E-05	1.51E-04	4.34E-05	2.87E-04	2.73E-04	5.29E-03
3108	495363.09	3845877.25	0.00106	0.00175	0.00051	0.00062	0.0007	0.00069	0.00177	0.00175	5.09E-03	7.45E-05	1.22E-09	1.50E-05	1.51E-04	4.46E-05	2.89E-04	2.74E-04	5.39E-03
3109	495863.09	3845877.25	0.00109	0.00176	0.00052	0.00063	0.00072	0.0007	0.00178	0.00176	5.23E-03	7.49E-05	1.25E-09	1.53E-05	1.55E-04	4.53E-05	2.91E-04	2.76E-04	5.54E-03
3110	496363.09	3845877.25	0.00112	0.00177	0.00054	0.00064	0.00078	0.00072	0.00179	0.00177	5.37E-03	7.53E-05	1.30E-09	1.55E-05	1.68E-04	4.66E-05	2.92E-04	2.77E-04	5.70E-03
3111	496863.09	3845877.25	0.00114	0.00176	0.00055	0.00065	0.00082	0.00074	0.00179	0.00176	5.47E-03	7.49E-05	1.32E-09	1.57E-05	1.77E-04	4.79E-05	2.92E-04	2.76E-04	5.80E-03
3112	497363.09	3845877.25	0.00116	0.00176	0.00058	0.00066	0.00086	0.00076	0.00178	0.00176	5.57E-03	7.49E-05	1.39E-09	1.60E-05	1.85E-04	4.92E-05	2.91E-04	2.76E-04	5.91E-03
3113	497863.09	3845877.25	0.00119	0.00175	0.0006	0.00068	0.00089	0.00078	0.00177	0.00175	5.71E-03	7.45E-05	1.44E-09	1.65E-05	1.92E-04	5.05E-05	2.89E-04	2.74E-04	6.06E-03
3114	498363.09	3845877.25	0.00122	0.00174	0.00062	0.00069	0.00093	0.00079	0.00177	0.00174	5.85E-03	7.40E-05	1.49E-09	1.67E-05	2.01E-04	5.11E-05	2.89E-04	2.73E-04	6.21E-03
3115	471363.09	3846377.25	0.00105	0.06795	0.00045	0.00073	0.00094	0.00079	0.06849	0.06795	5.04E-03	2.89E-03	1.08E-09	1.77E-05	2.03E-04	5.11E-05	1.12E-02	1.06E-02	8.74E-03
3116	471863.09	3846377.25	0.00104	0.05738	0.00043	0.0007	0.00089	0.00077	0.05783	0.05738	4.99E-03	2.44E-03	1.03E-09	1.70E-05	1.92E-04	4.98E-05	9.44E-03	8.99E-03	8.14E-03
3117	472363.09	3846377.25	0.00102	0.01746	0.00043	0.00065	0.00083	0.00074	0.01759	0.01746	4.89E-03	7.43E-04	1.03E-09	1.57E-05	1.79E-04	4.79E-05	2.87E-03	2.74E-03	6.02E-03
3118	472863.09	3846377.25	0.00103	0.01212	0.00045	0.00066	0.00083	0.00074	0.0122	0.01212	4.94E-03	5.16E-04	1.08E-09	1.60E-05	1.79E-04	4.79E-05	1.99E-03	1.90E-03	5.79E-03
3119	473363.09	3846377.25	0.00103	0.00955	0.00046	0.00067	0.00084	0.00074	0.00962	0.00955	4.94E-03	4.06E-04	1.10E-09	1.62E-05	1.81E-04	4.79E-05	1.57E-03	1.50E-03	5.67E-03
3120	473863.09	3846377.25	0.00102	0.00855	0.00047	0.00071	0.00088	0.00074	0.00864	0.00855	4.89E-03	3.64E-04	1.13E-09	1.72E-05	1.90E-04	4.79E-05	1.41E-03	1.34E-03	5.58E-03
3121	474363.09	3846377.25	0.001	0.00773	0.00045	0.00075	0.00093	0.00074	0.00784	0.00773	4.80E-03	3.29E-04	1.08E-09	1.82E-05	2.01E-04	4.79E-05	1.28E-03	1.21E-03	5.46E-03
3122	474863.09	3846377.25	0.00099	0.00726	0.00044	0.00073	0.00097	0.00073	0.00736	0.00726	4.75E-03	3.09E-04	1.06E-09	1.77E-05	2.09E-04	4.72E-05	1.20E-03	1.14E-03	5.40E-03
3123	475363.09	3846377.25	0.00099	0.00675	0.00043	0.0007	0.00094	0.00073	0.00683	0.00675	4.75E-03	2.87E-04	1.03E-09	1.70E-05	2.03E-04	4.72E-05	1.11E-03	1.06E-03	5.36E-03
3124	475863.09	3846377.25	0.00102	0.00637	0.00043	0.00066	0.00087	0.00075	0.0064	0.00637	4.89E-03	2.71E-04	1.03E-09	1.60E-05	1.88E-04	4.85E-05	1.04E-03	9.98E-04	5.46E-03
3125	476363.09	3846377.25	0.00105	0.00585	0.00043	0.00064	0.0008	0.00074	0.00588	0.00585	5.04E-03	2.49E-04	1.03E-09	1.55E-05	1.73E-04	4.79E-05	9.60E-04	9.16E-04	5.57E-03
3126	476863.09	3846377.25	0.00104	0.00541	0.00043	0.00067	0.00075	0.00074	0.00547	0.00541	4.99E-03	2.30E-04	1.03E-09	1.62E-05	1.62E-04	4.79E-05	8.93E-04	8.47E-04	5.49E-03
3127	477363.09	3846377.25	0.001	0.00502	0.00043	0.00068	0.00075	0.00073	0.0051	0.00502	4.80E-03	2.14E-04	1.03E-09	1.65E-05	1.62E-04	4.72E-05	8.32E-04	7.86E-04	5.28E-03
3128	477863.09	3846377.25	0.00097	0.00463	0.00043	0.00068	0.00083	0.00072	0.00471	0.00463	4.65E-03	1.97E-04	1.03E-09	1.65E-05	1.79E-04	4.66E-05	7.69E-04	7.25E-04	5.14E-03
3129	478363.09	3846377.25	0.00097	0.00435	0.00043	0.00066	0.00095	0.0007	0.0044	0.00435	4.65E-03	1.85E-04	1.03E-09	1.60E-05	2.05E-04	4.53E-05	7.18E-04	6.81E-04	5.14E-03
3130	478863.09	3846377.25	0.00098	0.00419	0.00044	0.00065	0.00089	0.0007	0.00422	0.00419	4.70E-03	1.78E-04	1.06E-09	1.57E-05	1.92E-04	4.53E-05	6.89E-04	6.56E-04	5.17E-03
3131	479363.09	3846377.25	0.00099	0.004	0.00044	0.00065	0.00076	0.0007	0.00404	0.004	4.75E-03	1.70E-04	1.06E-09	1.57E-05	1.64E-04	4.53E-05	6.59E-04	6.27E-04	5.18E-03

3132	479863.09	3846377.25	0.00102	0.00379	0.00044	0.00065	0.00072	0.00071	0.00383	0.00379	4.89E-03	1.61E-04	1.06E-09	1.57E-05	1.55E-04	4.59E-05	6.25E-04	5.94E-04	5.30E-03
3133	480363.09	3846377.25	0.00108	0.00366	0.00047	0.00064	0.00071	0.00073	0.00369	0.00366	5.18E-03	1.56E-04	1.13E-09	1.55E-05	1.53E-04	4.72E-05	6.02E-04	5.73E-04	5.58E-03
3134	480863.09	3846377.25	0.00109	0.00337	0.00048	0.00064	0.00072	0.00073	0.0034	0.00337	5.23E-03	1.43E-04	1.15E-09	1.55E-05	1.55E-04	4.72E-05	5.55E-04	5.28E-04	5.62E-03
3135	481363.09	3846377.25	0.00109	0.00323	0.00049	0.00065	0.00075	0.00072	0.00326	0.00323	5.23E-03	1.37E-04	1.18E-09	1.57E-05	1.62E-04	4.66E-05	5.32E-04	5.06E-04	5.62E-03
3136	481863.09	3846377.25	0.00105	0.00305	0.00046	0.00064	0.00077	0.00071	0.00309	0.00305	5.04E-03	1.30E-04	1.10E-09	1.55E-05	1.66E-04	4.59E-05	5.04E-04	4.78E-04	5.42E-03
3137	482363.09	3846377.25	0.00098	0.00286	0.00044	0.00063	0.00076	0.0007	0.0029	0.00286	4.70E-03	1.22E-04	1.06E-09	1.53E-05	1.64E-04	4.53E-05	4.73E-04	4.48E-04	5.07E-03
3138	482863.09	3846377.25	0.00094	0.00261	0.00043	0.00061	0.00073	0.00069	0.00265	0.00261	4.51E-03	1.11E-04	1.03E-09	1.48E-05	1.57E-04	4.46E-05	4.33E-04	4.09E-04	4.86E-03
3139	483363.09	3846377.25	0.00096	0.00263	0.00044	0.00062	0.00077	0.0007	0.00266	0.00263	4.61E-03	1.12E-04	1.06E-09	1.50E-05	1.66E-04	4.53E-05	4.34E-04	4.12E-04	4.97E-03
3140	483863.09	3846377.25	0.00097	0.00256	0.00045	0.00062	0.00084	0.00068	0.00259	0.00256	4.65E-03	1.09E-04	1.08E-09	1.50E-05	1.81E-04	4.40E-05	4.23E-04	4.01E-04	5.03E-03
3141	484363.09	3846377.25	0.00094	0.00242	0.00045	0.00061	0.00082	0.00066	0.00245	0.00242	4.51E-03	1.03E-04	1.08E-09	1.48E-05	1.77E-04	4.27E-05	4.00E-04	3.79E-04	4.87E-03
3142	484863.09	3846377.25	0.00095	0.00248	0.00046	0.00062	0.00081	0.00066	0.00251	0.00248	4.56E-03	1.06E-04	1.10E-09	1.50E-05	1.75E-04	4.27E-05	4.10E-04	3.88E-04	4.92E-03
3143	485363.09	3846377.25	0.00095	0.00245	0.00045	0.00062	0.00075	0.00066	0.00247	0.00245	4.56E-03	1.04E-04	1.08E-09	1.50E-05	1.62E-04	4.27E-05	4.03E-04	3.84E-04	4.90E-03
3144	485863.09	3846377.25	0.00093	0.00235	0.00045	0.00062	0.00065	0.00064	0.00237	0.00235	4.46E-03	1.00E-04	1.08E-09	1.50E-05	1.40E-04	4.14E-05	3.87E-04	3.68E-04	4.78E-03
3145	486363.09	3846377.25	0.0009	0.00217	0.00043	0.00059	0.00064	0.00062	0.00219	0.00217	4.32E-03	9.23E-05	1.03E-09	1.43E-05	1.38E-04	4.01E-05	3.57E-04	3.40E-04	4.62E-03
3146	486863.09	3846377.25	0.0009	0.0021	0.00043	0.00057	0.00065	0.00062	0.00212	0.0021	4.32E-03	8.94E-05	1.03E-09	1.38E-05	1.40E-04	4.01E-05	3.46E-04	3.29E-04	4.62E-03
3147	487363.09	3846377.25	0.00092	0.00211	0.00042	0.00057	0.00066	0.00062	0.00213	0.00211	4.41E-03	8.98E-05	1.01E-09	1.38E-05	1.42E-04	4.01E-05	3.48E-04	3.31E-04	4.72E-03
3148	487863.09	3846377.25	0.00095	0.00218	0.00043	0.00059	0.00073	0.00063	0.0022	0.00218	4.56E-03	9.28E-05	1.03E-09	1.43E-05	1.57E-04	4.08E-05	3.59E-04	3.41E-04	4.88E-03
3149	488363.09	3846377.25	0.00096	0.00213	0.00043	0.00058	0.00077	0.00063	0.00216	0.00213	4.61E-03	9.06E-05	1.03E-09	1.41E-05	1.66E-04	4.08E-05	3.53E-04	3.34E-04	4.94E-03
3150	488863.09	3846377.25	0.00096	0.0021	0.00042	0.00057	0.00073	0.00063	0.00213	0.0021	4.61E-03	8.94E-05	1.01E-09	1.38E-05	1.57E-04	4.08E-05	3.48E-04	3.29E-04	4.93E-03
3151	489363.09	3846377.25	0.00096	0.00207	0.00042	0.00057	0.00068	0.00063	0.00209	0.00207	4.61E-03	8.81E-05	1.01E-09	1.38E-05	1.47E-04	4.08E-05	3.41E-04	3.24E-04	4.91E-03
3152	489863.09	3846377.25	0.00096	0.002	0.00044	0.00057	0.00066	0.00063	0.00202	0.002	4.61E-03	8.51E-05	1.06E-09	1.38E-05	1.42E-04	4.08E-05	3.30E-04	3.13E-04	4.91E-03
3153	490363.09	3846377.25	0.00092	0.00183	0.00043	0.00055	0.00065	0.00061	0.00185	0.00183	4.41E-03	7.79E-05	1.03E-09	1.33E-05	1.40E-04	3.95E-05	3.02E-04	2.87E-04	4.70E-03
3154	490863.09	3846377.25	0.00092	0.00175	0.00043	0.00054	0.00068	0.00061	0.00177	0.00175	4.41E-03	7.45E-05	1.03E-09	1.31E-05	1.47E-04	3.95E-05	2.89E-04	2.74E-04	4.70E-03
3155	491363.09	3846377.25	0.00093	0.00172	0.00044	0.00055	0.00071	0.00062	0.00174	0.00172	4.46E-03	7.32E-05	1.06E-09	1.33E-05	1.53E-04	4.01E-05	2.84E-04	2.69E-04	4.76E-03
3156	491863.09	3846377.25	0.00098	0.00182	0.00046	0.00057	0.00072	0.00064	0.00183	0.00182	4.70E-03	7.74E-05	1.10E-09	1.38E-05	1.55E-04	4.14E-05	2.99E-04	2.85E-04	5.00E-03
3157	492363.09	3846377.25	0.00098	0.00177	0.00047	0.00057	0.0007	0.00065	0.00179	0.00177	4.70E-03	7.53E-05	1.13E-09	1.38E-05	1.51E-04	4.21E-05	2.92E-04	2.77E-04	5.00E-03
3158	492863.09	3846377.25	0.001	0.00177	0.00047	0.00058	0.0007	0.00066	0.00178	0.00177	4.80E-03	7.53E-05	1.13E-09	1.41E-05	1.51E-04	4.27E-05	2.91E-04	2.77E-04	5.10E-03
3159	493363.09	3846377.25	0.00104	0.00183	0.0005	0.0006	0.00071	0.00068	0.00184	0.00183	4.99E-03	7.79E-05	1.20E-09	1.45E-05	1.53E-04	4.40E-05	3.00E-04	2.87E-04	5.29E-03
3160	493863.09	3846377.25	0.00108	0.00184	0.00052	0.00062	0.00073	0.00069	0.00186	0.00184	5.18E-03	7.83E-05	1.25E-09	1.50E-05	1.57E-04	4.46E-05	3.04E-04	2.88E-04	5.49E-03
3161	494363.09	3846377.25	0.0011	0.00184	0.00053	0.00063	0.00073	0.00071	0.00186	0.00184	5.28E-03	7.83E-05	1.27E-09	1.53E-05	1.57E-04	4.59E-05	3.04E-04	2.88E-04	5.59E-03
3162	494863.09	3846377.25	0.00112	0.00185	0.00054	0.00065	0.00073	0.00072	0.00187	0.00185	5.37E-03	7.87E-05	1.30E-09	1.57E-05	1.57E-04	4.66E-05	3.05E-04	2.90E-04	5.69E-03
3163	495363.09	3846377.25	0.00115	0.00185	0.00055	0.00067	0.00075	0.00074	0.00187	0.00185	5.52E-03	7.87E-05	1.32E-09	1.62E-05	1.62E-04	4.79E-05	3.05E-04	2.90E-04	5.84E-03
3164	495863.09	3846377.25	0.00118	0.00186	0.00057	0.00068	0.0008	0.00076	0.00188	0.00186	5.66E-03	7.91E-05	1.37E-09	1.65E-05	1.73E-04	4.92E-05	3.07E-04	2.91E-04	6.00E-03
3165	496363.09	3846377.25	0.00121	0.00187	0.00059	0.00069	0.00085	0.00078	0.00189	0.00187	5.81E-03	7.96E-05	1.42E-09	1.67E-05	1.83E-04	5.05E-05	3.09E-04	2.93E-04	6.15E-03
3166	496863.09	3846377.25	0.00124	0.00186	0.00061	0.0007	0.00089	0.0008	0.00189	0.00186	5.95E-03	7.91E-05	1.46E-09	1.70E-05	1.92E-04	5.18E-05	3.09E-04	2.91E-04	6.31E-03
3167	497363.09	3846377.25	0.00127	0.00186	0.00064	0.00072	0.00094	0.00082	0.00188	0.00186	6.09E-03	7.91E-05	1.53E-09	1.74E-05	2.03E-04	5.31E-05	3.07E-04	2.91E-04	6.46E-03
3168	497863.09	3846377.25	0.0013	0.00185	0.00066	0.00073	0.00098	0.00085	0.00187	0.00185	6.24E-03	7.87E-05	1.58E-09	1.77E-05	2.11E-04	5.50E-05	3.05E-04	2.90E-04	6.62E-03
3169	498363.09	3846377.25	0.00133	0.00183	0.00068	0.00075	0.001	0.00087	0.00185	0.00183	6.38E-03	7.79E-05	1.63E-09	1.82E-05	2.16E-04	5.63E-05	3.02E-04	2.87E-04	6.77E-03
3170	471363.09	3846877.25	0.00111	0.00932	0.00052	0.00078	0.00099	0.00083	0.00942	0.00932	5.33E-03	3.97E-04	1.25E-09	1.89E-05	2.14E-04	5.37E-05	1.54E-03	1.46E-03	6.09E-03
3171	471863.09	3846877.25	0.00112	0.0198	0.00049	0.00078	0.001	0.00083	0.01997	0.0198	5.37E-03	8.42E-04	1.18E-09	1.89E-05	2.16E-04	5.37E-05	3.26E-03	3.10E-03	6.66E-03
3172	472363.09	3846877.25	0.00113	0.25158	0.00046	0.00076	0.00097	0.00082	0.25299	0.25158	5.42E-03	1.07E-02	1.10E-09	1.84E-05	2.09E-04	5.31E-05	4.13E-02	3.94E-02	1.83E-02
3173	472863.09	3846877.25	0.0011	0.03012	0.00044	0.00068	0.00088	0.00077	0.03032	0.03012	5.28E-03	1.28E-03	1.06E-09	1.65E-05	1.90E-04	4.98E-05	4.95E-03	4.72E-03	7.05E-03
3174	473363.09	3846877.25	0.00112	0.01859	0.00047	0.00069	0.00087	0.00078	0.01872	0.01859	5.37E-03	7.91E-04	1.13E-09	1.67E-05	1.88E-04	5.05E-05	3.06E-03	2.91E-03	6.56E-03
3175	473863.09	3846877.25	0.00113	0.01503	0.0005	0.00071	0.00088	0.00078	0.01514	0.01503	5.42E-03	6.40E-04	1.20E-09	1.72E-05	1.90E-04	5.05E-05	2.47E-03	2.35E-03	6.44E-03
3176	474363.09	3846877.25	0.00112	0.01205	0.0005	0.00074	0.00091	0.00078	0.01216	0.01205	5.37E-03	5.13E-04	1.20E-09	1.79E-05	1.96E-04	5.05E-05	1.98E-03	1.89E-03	6.25E-03
3177	474863.09	3846877.25	0.0011	0.01022	0.00048	0.00079	0.00097	0.00079	0.01035	0.01022	5.28E-03	4.35E-04	1.15E-09	1.91E-05	2.09E-04	5.11E-05	1.69E-03	1.60E-03	6.08E-03
3178	475363.09	3846877.25	0.00108	0.00891	0.00046	0.00078	0.00102	0.00077	0.00903	0.00891	5.18E-03	3.79E-04	1.10E-09	1.89E-05	2.20E-04	4.98E-05	1.47E-03	1.40E-03	5.93E-03
3179	475863.09	3846877.25	0.00109	0.00838	0.00046	0.00074	0.001	0.00078	0.00847	0.00838	5.23E-03	3.57E-04	1.10E-09	1.79E-05	2.16E-04	5.05E-05	1.38E-03	1.31E-03	5.94E-03
3180	476363.09	3846877.25	0.00111	0.00767	0.00045	0.0007	0.00092	0.0008	0.00771	0.00767	5.33E-03	3.26E-04	1.08E-09	1.70E-05	1.98E-04	5.18E-05	1.26E-03	1.20E-03	5.98E-03
3181	476863.09	3846877.25	0.00113	0.00694	0.00045	0.00068	0.00084	0.00078	0.00698	0.00694	5.42E-03	2.95E-04	1.08E-09	1.65E-05	1.81E-04	5.05E-05	1.14E-03	1.09E-03	6.02E-03
3182	477363.09	3846877.25	0.00113	0.00636	0.00045	0.00071	0.00079	0.00077	0.00644	0.00636	5.42E-03	2.71E-04	1.08E-09	1.72E-05	1.70E-04	4.98E-05	1.05E-03	9.96E-04	5.99E-03
3183	477863.09	3846877.25	0.00108	0.00578	0.00045	0.00072	0.00079	0.00077	0.00588	0.00578	5.18E-03	2.46E-04	1.08E-09	1.74E-05	1.70E-04	4.98E-05	9.60E-04	9.05E-04	5.72E-03
3184	478363.09	3846877.25	0.00107	0.00537	0.00046	0.00072	0.0009	0.00076	0.00545	0.00537	5.13E-03	2.28E-04	1.10E-09	1.74E-05	1.94E-04	4.92E-05	8.90E-04	8.41E-04	5.67E-03
3185	478863.09	3846877.25	0.00108	0.0051	0.00047	0.0007	0.00103	0.00075	0.00515	0.0051	5.18E-03	2.17E-04	1.13E-09	1.70E-05	2.22E-04	4.85E-05	8.41E-04	7.99E-04	5.73E-03
3186	479363.09	3846877.25	0.00108	0.00478	0.00046	0.00069	0.00092	0.00074	0.00483	0.00478	5.18E-03	2.03E-04	1.10E-09	1.67E-05	1.98E-04	4.79E-05	7.88E-04	7.49E-04	5.69E-03
3187	479863.09	3846877.25	0.00107	0.00425	0.00046	0.00067	0.00078	0.00073	0.00429	0.00425	5.13E-03	1.81E-04	1.10E-09	1.62E-05	1.68E-04	4.72E-05	7.00E-04	6.66E-04	5.58E-03
3188	480363.09	3846877.25	0.0011	0.00388	0.00047	0.00065	0.00075	0.00074	0.00391	0.00388	5.28E-03	1.65E-04	1.13E-09	1.57E-05	1.62E-04	4.79E-05	6.38E-04	6.08E-04	5.70E-03

3189	480863.09	3846877.25	0.00114	0.00365	0.0005	0.00065	0.00074	0.00075	0.00368	0.00365	5.47E-03	1.55E-04	1.20E-09	1.57E-05	1.60E-04	4.85E-05	6.01E-04	5.72E-04	5.88E-03
3190	481363.09	3846877.25	0.00118	0.0036	0.00052	0.00067	0.00076	0.00076	0.00364	0.0036	5.66E-03	1.53E-04	1.25E-09	1.62E-05	1.64E-04	4.92E-05	5.94E-04	5.64E-04	6.08E-03
3191	481863.09	3846877.25	0.00116	0.00346	0.00049	0.00068	0.00079	0.00075	0.0035	0.00346	5.57E-03	1.47E-04	1.18E-09	1.65E-05	1.70E-04	4.85E-05	5.71E-04	5.42E-04	5.98E-03
3192	482363.09	3846877.25	0.00108	0.00319	0.00047	0.00066	0.0008	0.00073	0.00323	0.00319	5.18E-03	1.36E-04	1.13E-09	1.60E-05	1.73E-04	4.72E-05	5.27E-04	5.00E-04	5.58E-03
3193	482863.09	3846877.25	0.00108	0.00308	0.00046	0.00066	0.00078	0.00074	0.00312	0.00308	5.18E-03	1.31E-04	1.10E-09	1.60E-05	1.68E-04	4.79E-05	5.09E-04	4.82E-04	5.57E-03
3194	483363.09	3846877.25	0.00107	0.00299	0.00047	0.00066	0.00078	0.00074	0.00302	0.00299	5.13E-03	1.27E-04	1.13E-09	1.60E-05	1.68E-04	4.79E-05	4.93E-04	4.68E-04	5.52E-03
3195	483863.09	3846877.25	0.00107	0.0029	0.00047	0.00066	0.00086	0.00073	0.00294	0.0029	5.13E-03	1.23E-04	1.13E-09	1.60E-05	1.85E-04	4.72E-05	4.80E-04	4.54E-04	5.53E-03
3196	484363.09	3846877.25	0.00107	0.00286	0.00048	0.00066	0.00092	0.00072	0.00289	0.00286	5.13E-03	1.22E-04	1.15E-09	1.60E-05	1.98E-04	4.66E-05	4.72E-04	4.48E-04	5.54E-03
3197	484863.09	3846877.25	0.00106	0.00277	0.00049	0.00065	0.00087	0.0007	0.0028	0.00277	5.09E-03	1.18E-04	1.18E-09	1.57E-05	1.88E-04	4.53E-05	4.57E-04	4.34E-04	5.48E-03
3198	485363.09	3846877.25	0.00106	0.00273	0.00048	0.00066	0.00082	0.0007	0.00276	0.00273	5.09E-03	1.16E-04	1.15E-09	1.60E-05	1.77E-04	4.53E-05	4.51E-04	4.28E-04	5.46E-03
3199	485863.09	3846877.25	0.00104	0.00263	0.00047	0.00066	0.00071	0.00068	0.00266	0.00263	4.99E-03	1.12E-04	1.13E-09	1.60E-05	1.53E-04	4.40E-05	4.34E-04	4.12E-04	5.34E-03
3200	486363.09	3846877.25	0.00106	0.00264	0.00048	0.00066	0.00068	0.00069	0.00267	0.00264	5.09E-03	1.12E-04	1.15E-09	1.60E-05	1.47E-04	4.46E-05	4.36E-04	4.14E-04	5.43E-03
3201	486863.09	3846877.25	0.00102	0.00244	0.00046	0.00063	0.00069	0.00067	0.00247	0.00244	4.89E-03	1.04E-04	1.10E-09	1.53E-05	1.49E-04	4.34E-05	4.03E-04	3.82E-04	5.23E-03
3202	487363.09	3846877.25	0.00104	0.00243	0.00045	0.00063	0.00072	0.00068	0.00246	0.00243	4.99E-03	1.03E-04	1.08E-09	1.53E-05	1.55E-04	4.40E-05	4.02E-04	3.81E-04	5.33E-03
3203	487863.09	3846877.25	0.00105	0.00239	0.00045	0.00062	0.00076	0.00067	0.00241	0.00239	5.04E-03	1.02E-04	1.08E-09	1.50E-05	1.64E-04	4.34E-05	3.93E-04	3.74E-04	5.38E-03
3204	488363.09	3846877.25	0.00105	0.00232	0.00045	0.00061	0.00081	0.00067	0.00235	0.00232	5.04E-03	9.87E-05	1.08E-09	1.48E-05	1.75E-04	4.34E-05	3.84E-04	3.63E-04	5.39E-03
3205	488863.09	3846877.25	0.00105	0.00229	0.00045	0.00061	0.00077	0.00067	0.00231	0.00229	5.04E-03	9.74E-05	1.08E-09	1.48E-05	1.66E-04	4.34E-05	3.77E-04	3.59E-04	5.38E-03
3206	489363.09	3846877.25	0.00105	0.00226	0.00046	0.00061	0.00071	0.00068	0.00228	0.00226	5.04E-03	9.62E-05	1.10E-09	1.48E-05	1.53E-04	4.40E-05	3.72E-04	3.54E-04	5.37E-03
3207	489863.09	3846877.25	0.00105	0.00218	0.00047	0.00061	0.00071	0.00068	0.00221	0.00218	5.04E-03	9.28E-05	1.13E-09	1.48E-05	1.53E-04	4.40E-05	3.61E-04	3.41E-04	5.36E-03
3208	490363.09	3846877.25	0.00102	0.00203	0.00047	0.00059	0.0007	0.00067	0.00205	0.00203	4.89E-03	8.64E-05	1.13E-09	1.43E-05	1.51E-04	4.34E-05	3.35E-04	3.18E-04	5.21E-03
3209	490863.09	3846877.25	0.00102	0.00196	0.00048	0.00059	0.00074	0.00067	0.00198	0.00196	4.89E-03	8.34E-05	1.15E-09	1.43E-05	1.60E-04	4.34E-05	3.23E-04	3.07E-04	5.21E-03
3210	491363.09	3846877.25	0.00104	0.00194	0.00049	0.0006	0.00076	0.00067	0.00196	0.00194	4.99E-03	8.25E-05	1.18E-09	1.45E-05	1.64E-04	4.34E-05	3.20E-04	3.04E-04	5.31E-03
3211	491863.09	3846877.25	0.00104	0.00187	0.00049	0.0006	0.00074	0.00068	0.00189	0.00187	4.99E-03	7.96E-05	1.18E-09	1.45E-05	1.60E-04	4.40E-05	3.09E-04	2.93E-04	5.30E-03
3212	492363.09	3846877.25	0.0011	0.00196	0.00051	0.00063	0.00075	0.00071	0.00198	0.00196	5.28E-03	8.34E-05	1.22E-09	1.53E-05	1.62E-04	4.59E-05	3.23E-04	3.07E-04	5.60E-03
3213	492863.09	3846877.25	0.00112	0.00195	0.00052	0.00064	0.00075	0.00072	0.00197	0.00195	5.37E-03	8.30E-05	1.25E-09	1.55E-05	1.62E-04	4.66E-05	3.22E-04	3.05E-04	5.70E-03
3214	493363.09	3846877.25	0.00115	0.00195	0.00054	0.00065	0.00076	0.00074	0.00198	0.00195	5.52E-03	8.30E-05	1.30E-09	1.57E-05	1.64E-04	4.79E-05	3.23E-04	3.05E-04	5.85E-03
3215	493863.09	3846877.25	0.00117	0.00195	0.00057	0.00067	0.00077	0.00075	0.00197	0.00195	5.61E-03	8.30E-05	1.37E-09	1.62E-05	1.66E-04	4.85E-05	3.22E-04	3.05E-04	5.94E-03
3216	494363.09	3846877.25	0.00119	0.00194	0.00058	0.00068	0.00076	0.00076	0.00196	0.00194	5.71E-03	8.25E-05	1.39E-09	1.65E-05	1.64E-04	4.92E-05	3.20E-04	3.04E-04	6.04E-03
3217	494863.09	3846877.25	0.00122	0.00193	0.00059	0.0007	0.00077	0.00078	0.00195	0.00193	5.85E-03	8.21E-05	1.42E-09	1.70E-05	1.66E-04	5.05E-05	3.18E-04	3.02E-04	6.19E-03
3218	495363.09	3846877.25	0.00124	0.00192	0.0006	0.00071	0.00081	0.0008	0.00194	0.00192	5.95E-03	8.17E-05	1.44E-09	1.72E-05	1.75E-04	5.18E-05	3.17E-04	3.01E-04	6.29E-03
3219	495863.09	3846877.25	0.00127	0.00191	0.00063	0.00072	0.00087	0.00081	0.00194	0.00191	6.09E-03	8.13E-05	1.51E-09	1.74E-05	1.88E-04	5.24E-05	3.17E-04	2.99E-04	6.45E-03
3220	496363.09	3846877.25	0.0013	0.00191	0.00065	0.00073	0.00093	0.00084	0.00193	0.00191	6.24E-03	8.13E-05	1.56E-09	1.77E-05	2.01E-04	5.44E-05	3.15E-04	2.99E-04	6.61E-03
3221	496863.09	3846877.25	0.00134	0.00192	0.00067	0.00075	0.00097	0.00087	0.00194	0.00192	6.43E-03	8.17E-05	1.61E-09	1.82E-05	2.09E-04	5.63E-05	3.17E-04	3.01E-04	6.81E-03
3222	497363.09	3846877.25	0.00139	0.00193	0.0007	0.00078	0.00102	0.0009	0.00196	0.00193	6.67E-03	8.21E-05	1.68E-09	1.89E-05	2.20E-04	5.82E-05	3.20E-04	3.02E-04	7.07E-03
3223	497863.09	3846877.25	0.00144	0.00194	0.00073	0.0008	0.00107	0.00093	0.00196	0.00194	6.91E-03	8.25E-05	1.75E-09	1.94E-05	2.31E-04	6.02E-05	3.20E-04	3.04E-04	7.32E-03
3224	498363.09	3846877.25	0.00147	0.00191	0.00075	0.00081	0.00107	0.00095	0.00194	0.00191	7.05E-03	8.13E-05	1.80E-09	1.96E-05	2.31E-04	6.15E-05	3.17E-04	2.99E-04	7.46E-03
3225	471363.09	3847377.25	0.00121	0.00603	0.00059	0.00082	0.00102	0.00087	0.00608	0.00603	5.81E-03	2.57E-04	1.42E-09	1.99E-05	2.20E-04	5.63E-05	9.92E-04	9.45E-04	6.41E-03
3226	471863.09	3847377.25	0.00122	0.00823	0.00057	0.00083	0.00104	0.00088	0.00831	0.00823	5.85E-03	3.50E-04	1.37E-09	2.01E-05	2.24E-04	5.69E-05	1.36E-03	1.29E-03	6.57E-03
3227	472363.09	3847377.25	0.00123	0.01418	0.00053	0.00083	0.00105	0.00088	0.01432	0.01418	5.90E-03	6.03E-04	1.27E-09	2.01E-05	2.26E-04	5.69E-05	2.34E-03	2.22E-03	6.93E-03
3228	472863.09	3847377.25	0.00125	0.06355	0.00049	0.00081	0.00104	0.00087	0.06398	0.06355	6.00E-03	2.70E-03	1.18E-09	1.96E-05	2.24E-04	5.63E-05	1.04E-02	9.96E-03	9.49E-03
3229	473363.09	3847377.25	0.00124	0.05848	0.00048	0.00076	0.00096	0.00084	0.05901	0.05848	5.95E-03	2.49E-03	1.15E-09	1.84E-05	2.07E-04	5.44E-05	9.63E-03	9.16E-03	9.19E-03
3230	473863.09	3847377.25	0.00126	0.0275	0.0005	0.00074	0.00092	0.00084	0.02774	0.0275	6.05E-03	1.17E-03	1.20E-09	1.79E-05	1.98E-04	5.44E-05	4.53E-03	4.31E-03	7.71E-03
3231	474363.09	3847377.25	0.00129	0.02017	0.00054	0.00075	0.00092	0.00083	0.02034	0.02017	6.19E-03	8.58E-04	1.30E-09	1.82E-05	1.98E-04	5.37E-05	3.32E-03	3.16E-03	7.48E-03
3232	474863.09	3847377.25	0.00126	0.01491	0.00054	0.00078	0.00095	0.00082	0.01506	0.01491	6.05E-03	6.34E-04	1.30E-09	1.89E-05	2.05E-04	5.31E-05	2.46E-03	2.34E-03	7.08E-03
3233	475363.09	3847377.25	0.00122	0.01186	0.00051	0.00083	0.001	0.00083	0.01201	0.01186	5.85E-03	5.05E-04	1.22E-09	2.01E-05	2.16E-04	5.37E-05	1.96E-03	1.86E-03	6.75E-03
3234	475863.09	3847377.25	0.00121	0.01089	0.0005	0.00084	0.00107	0.00082	0.01104	0.01089	5.81E-03	4.63E-04	1.20E-09	2.04E-05	2.31E-04	5.31E-05	1.80E-03	1.71E-03	6.67E-03
3235	476363.09	3847377.25	0.00121	0.00996	0.00049	0.0008	0.00107	0.00084	0.01007	0.00996	5.81E-03	4.24E-04	1.18E-09	1.94E-05	2.31E-04	5.44E-05	1.64E-03	1.56E-03	6.62E-03
3236	476863.09	3847377.25	0.00123	0.00872	0.00048	0.00074	0.00099	0.00084	0.00877	0.00872	5.90E-03	3.71E-04	1.15E-09	1.79E-05	2.14E-04	5.44E-05	1.43E-03	1.37E-03	6.62E-03
3237	477363.09	3847377.25	0.00125	0.00789	0.00048	0.00073	0.0009	0.00083	0.00795	0.00789	6.00E-03	3.36E-04	1.15E-09	1.77E-05	1.94E-04	5.37E-05	1.30E-03	1.24E-03	6.66E-03
3238	477863.09	3847377.25	0.00124	0.00712	0.00048	0.00076	0.00084	0.00082	0.00721	0.00712	5.95E-03	3.03E-04	1.15E-09	1.84E-05	1.81E-04	5.31E-05	1.18E-03	1.12E-03	6.57E-03
3239	478363.09	3847377.25	0.00121	0.00652	0.00048	0.00077	0.00085	0.00081	0.00663	0.00652	5.81E-03	2.77E-04	1.15E-09	1.87E-05	1.83E-04	5.24E-05	1.08E-03	1.02E-03	6.40E-03
3240	478863.09	3847377.25	0.00122	0.00613	0.00049	0.00077	0.00099	0.00081	0.00621	0.00613	5.85E-03	2.61E-04	1.18E-09	1.87E-05	2.14E-04	5.24E-05	1.01E-03	9.60E-04	6.45E-03
3241	479363.09	3847377.25	0.00118	0.00544	0.00048	0.00072	0.00106	0.00078	0.00549	0.00544	5.66E-03	2.31E-04	1.15E-09	1.74E-05	2.29E-04	5.05E-05	8.96E-04	8.52E-04	6.23E-03
3242	479863.09	3847377.25	0.00113	0.00466	0.00047	0.00069	0.00088	0.00075	0.00471	0.00466	5.42E-03	1.98E-04	1.13E-09	1.67E-05	1.90E-04	4.85E-05	7.69E-04	7.30E-04	5.91E-03
3243	480363.09	3847377.25	0.0011	0.00394	0.00048	0.00066	0.0008	0.00074	0.00396	0.00394	5.28E-03	1.68E-04	1.15E-09	1.60E-05	1.73E-04	4.79E-05	6.46E-04	6.17E-04	5.71E-03
3244	480863.09	3847377.25	0.0011	0.00365	0.0005	0.00065	0.00078	0.00074	0.00367	0.00365	5.28E-03	1.55E-04	1.20E-09	1.57E-05	1.68E-04	4.79E-05	5.99E-04	5.72E-04	5.69E-03
3245	481363.09	3847377.25	0.00118	0.0037	0.00052	0.00067	0.00077	0.00076	0.00373	0.0037	5.66E-03	1.57E-04	1.25E-09	1.62E-05	1.66E-04	4.92E-05	6.09E-04	5.80E-04	6.08E-03

3246	481863.09	3847377.25	0.00129	0.00391	0.00053	0.00072	0.00082	0.00079	0.00396	0.00391	6.19E-03	1.66E-04	1.27E-09	1.74E-05	1.77E-04	5.11E-05	6.46E-04	6.13E-04	6.64E-03
3247	482363.09	3847377.25	0.00127	0.00376	0.00052	0.00072	0.00085	0.00079	0.00381	0.00376	6.09E-03	1.60E-04	1.25E-09	1.74E-05	1.83E-04	5.11E-05	6.22E-04	5.89E-04	6.54E-03
3248	482863.09	3847377.25	0.00126	0.00356	0.0005	0.0007	0.00084	0.00079	0.00361	0.00356	6.05E-03	1.51E-04	1.20E-09	1.70E-05	1.81E-04	5.11E-05	5.89E-04	5.58E-04	6.48E-03
3249	483363.09	3847377.25	0.00121	0.00338	0.00049	0.0007	0.00081	0.00078	0.00343	0.00338	5.81E-03	1.44E-04	1.18E-09	1.70E-05	1.75E-04	5.05E-05	5.60E-04	5.29E-04	6.22E-03
3250	483863.09	3847377.25	0.00122	0.00329	0.0005	0.0007	0.00087	0.00078	0.00333	0.00329	5.85E-03	1.40E-04	1.20E-09	1.70E-05	1.88E-04	5.05E-05	5.44E-04	5.15E-04	6.28E-03
3251	484363.09	3847377.25	0.00124	0.00328	0.00052	0.00071	0.00096	0.00078	0.00332	0.00328	5.95E-03	1.40E-04	1.25E-09	1.72E-05	2.07E-04	5.05E-05	5.42E-04	5.14E-04	6.39E-03
3252	484863.09	3847377.25	0.00122	0.00316	0.00053	0.00071	0.00098	0.00076	0.0032	0.00316	5.85E-03	1.34E-04	1.27E-09	1.72E-05	2.11E-04	4.92E-05	5.22E-04	4.95E-04	6.29E-03
3253	485363.09	3847377.25	0.00121	0.00308	0.00052	0.0007	0.00094	0.00075	0.00311	0.00308	5.81E-03	1.31E-04	1.25E-09	1.70E-05	2.03E-04	4.85E-05	5.08E-04	4.82E-04	6.23E-03
3254	485863.09	3847377.25	0.0012	0.00303	0.00052	0.00071	0.00082	0.00074	0.00307	0.00303	5.76E-03	1.29E-04	1.25E-09	1.72E-05	1.77E-04	4.79E-05	5.01E-04	4.75E-04	6.16E-03
3255	486363.09	3847377.25	0.0012	0.00299	0.00052	0.00071	0.00073	0.00074	0.00302	0.00299	5.76E-03	1.27E-04	1.25E-09	1.72E-05	1.57E-04	4.79E-05	4.93E-04	4.68E-04	6.13E-03
3256	486863.09	3847377.25	0.00117	0.00279	0.00051	0.00068	0.00073	0.00073	0.00282	0.00279	5.61E-03	1.19E-04	1.22E-09	1.65E-05	1.57E-04	4.72E-05	4.60E-04	4.37E-04	5.98E-03
3257	487363.09	3847377.25	0.00119	0.00276	0.0005	0.00068	0.00076	0.00073	0.00279	0.00276	5.71E-03	1.17E-04	1.20E-09	1.65E-05	1.64E-04	4.72E-05	4.55E-04	4.32E-04	6.08E-03
3258	487863.09	3847377.25	0.00116	0.00263	0.00049	0.00067	0.00081	0.00073	0.00266	0.00263	5.57E-03	1.12E-04	1.18E-09	1.62E-05	1.75E-04	4.72E-05	4.34E-04	4.12E-04	5.94E-03
3259	488363.09	3847377.25	0.00117	0.00256	0.00048	0.00066	0.00085	0.00072	0.00258	0.00256	5.61E-03	1.09E-04	1.15E-09	1.60E-05	1.83E-04	4.66E-05	4.21E-04	4.01E-04	5.99E-03
3260	488863.09	3847377.25	0.00117	0.00251	0.00049	0.00066	0.00081	0.00072	0.00253	0.00251	5.61E-03	1.07E-04	1.18E-09	1.60E-05	1.75E-04	4.66E-05	4.13E-04	3.93E-04	5.98E-03
3261	489363.09	3847377.25	0.00118	0.00246	0.0005	0.00066	0.00075	0.00073	0.00249	0.00246	5.66E-03	1.05E-04	1.20E-09	1.60E-05	1.62E-04	4.72E-05	4.06E-04	3.85E-04	6.01E-03
3262	489863.09	3847377.25	0.00115	0.00235	0.00051	0.00065	0.00075	0.00073	0.00237	0.00235	5.52E-03	1.00E-04	1.22E-09	1.57E-05	1.62E-04	4.72E-05	3.87E-04	3.68E-04	5.86E-03
3263	490363.09	3847377.25	0.00114	0.00224	0.00052	0.00065	0.00077	0.00073	0.00226	0.00224	5.47E-03	9.53E-05	1.25E-09	1.57E-05	1.66E-04	4.72E-05	3.69E-04	3.51E-04	5.81E-03
3264	490863.09	3847377.25	0.00115	0.00219	0.00053	0.00065	0.00081	0.00073	0.00222	0.00219	5.52E-03	9.32E-05	1.27E-09	1.57E-05	1.75E-04	4.72E-05	3.62E-04	3.43E-04	5.87E-03
3265	491363.09	3847377.25	0.00116	0.00214	0.00054	0.00066	0.00083	0.00074	0.00216	0.00214	5.57E-03	9.11E-05	1.30E-09	1.60E-05	1.79E-04	4.79E-05	3.53E-04	3.35E-04	5.92E-03
3266	491863.09	3847377.25	0.0012	0.00216	0.00054	0.00068	0.0008	0.00076	0.00218	0.00216	5.76E-03	9.19E-05	1.30E-09	1.65E-05	1.73E-04	4.92E-05	3.56E-04	3.38E-04	6.11E-03
3267	492363.09	3847377.25	0.00121	0.0021	0.00055	0.00068	0.00079	0.00077	0.00213	0.0021	5.81E-03	8.94E-05	1.32E-09	1.65E-05	1.70E-04	4.98E-05	3.48E-04	3.29E-04	6.15E-03
3268	492863.09	3847377.25	0.00124	0.0021	0.00058	0.0007	0.00079	0.00079	0.00212	0.0021	5.95E-03	8.94E-05	1.39E-09	1.70E-05	1.70E-04	5.11E-05	3.46E-04	3.29E-04	6.30E-03
3269	493363.09	3847377.25	0.00126	0.00208	0.0006	0.00071	0.0008	0.0008	0.0021	0.00208	6.05E-03	8.85E-05	1.44E-09	1.72E-05	1.73E-04	5.18E-05	3.43E-04	3.26E-04	6.39E-03
3270	493863.09	3847377.25	0.00127	0.00203	0.00062	0.00072	0.0008	0.00081	0.00205	0.00203	6.09E-03	8.64E-05	1.49E-09	1.74E-05	1.73E-04	5.24E-05	3.35E-04	3.18E-04	6.44E-03
3271	494363.09	3847377.25	0.00128	0.00199	0.00062	0.00073	0.00081	0.00082	0.00201	0.00199	6.14E-03	8.47E-05	1.49E-09	1.77E-05	1.75E-04	5.31E-05	3.28E-04	3.12E-04	6.49E-03
3272	494863.09	3847377.25	0.0013	0.00196	0.00064	0.00075	0.00084	0.00083	0.00199	0.00196	6.24E-03	8.34E-05	1.53E-09	1.82E-05	1.81E-04	5.37E-05	3.25E-04	3.07E-04	6.59E-03
3273	495363.09	3847377.25	0.00133	0.00194	0.00066	0.00076	0.00089	0.00085	0.00197	0.00194	6.38E-03	8.25E-05	1.58E-09	1.84E-05	1.92E-04	5.50E-05	3.22E-04	3.04E-04	6.75E-03
3274	495863.09	3847377.25	0.00136	0.00193	0.00069	0.00077	0.00093	0.00088	0.00196	0.00193	6.53E-03	8.21E-05	1.65E-09	1.87E-05	2.01E-04	5.69E-05	3.20E-04	3.02E-04	6.90E-03
3275	496363.09	3847377.25	0.00139	0.00192	0.00071	0.00079	0.00098	0.0009	0.00195	0.00192	6.67E-03	8.17E-05	1.70E-09	1.91E-05	2.11E-04	5.82E-05	3.18E-04	3.01E-04	7.06E-03
3276	496863.09	3847377.25	0.00144	0.00194	0.00074	0.00081	0.00105	0.00094	0.00196	0.00194	6.91E-03	8.25E-05	1.77E-09	1.96E-05	2.26E-04	6.08E-05	3.20E-04	3.04E-04	7.32E-03
3277	497363.09	3847377.25	0.0015	0.00196	0.00078	0.00084	0.0011	0.00098	0.00199	0.00196	7.20E-03	8.34E-05	1.87E-09	2.04E-05	2.37E-04	6.34E-05	3.25E-04	3.07E-04	7.62E-03
3278	497863.09	3847377.25	0.00158	0.002	0.00082	0.00087	0.00114	0.00102	0.00203	0.002	7.58E-03	8.51E-05	1.97E-09	2.11E-05	2.46E-04	6.60E-05	3.31E-04	3.13E-04	8.02E-03
3279	498363.09	3847377.25	0.00162	0.00199	0.00085	0.0009	0.00113	0.00104	0.00202	0.00199	7.77E-03	8.47E-05	2.04E-09	2.18E-05	2.44E-04	6.73E-05	3.30E-04	3.12E-04	8.21E-03
3280	471363.09	3847877.25	0.0013	0.00476	0.00062	0.00083	0.00107	0.00091	0.00479	0.00476	6.24E-03	2.03E-04	1.49E-09	2.01E-05	2.31E-04	5.89E-05	7.82E-04	7.46E-04	6.79E-03
3281	471863.09	3847877.25	0.00132	0.00576	0.00063	0.00086	0.00108	0.00092	0.00581	0.00576	6.33E-03	2.45E-04	1.51E-09	2.08E-05	2.33E-04	5.95E-05	9.48E-04	9.02E-04	6.94E-03
3282	472363.09	3847877.25	0.00135	0.00755	0.00062	0.00088	0.00109	0.00093	0.00763	0.00755	6.48E-03	3.21E-04	1.49E-09	2.13E-05	2.35E-04	6.02E-05	1.25E-03	1.18E-03	7.18E-03
3283	472863.09	3847877.25	0.00139	0.0112	0.00059	0.00088	0.00111	0.00093	0.01131	0.0112	6.67E-03	4.77E-04	1.42E-09	2.13E-05	2.39E-04	6.02E-05	1.85E-03	1.75E-03	7.56E-03
3284	473363.09	3847877.25	0.00144	0.02218	0.00055	0.00087	0.00111	0.00094	0.02232	0.02218	6.91E-03	9.44E-04	1.32E-09	2.11E-05	2.39E-04	6.08E-05	3.64E-03	3.47E-03	8.34E-03
3285	473863.09	3847877.25	0.00152	0.39225	0.00052	0.00085	0.00108	0.00093	0.38905	0.39225	7.29E-03	1.67E-02	1.25E-09	2.06E-05	2.33E-04	6.02E-05	6.35E-02	6.14E-02	2.64E-02
3286	474363.09	3847877.25	0.00154	0.04217	0.00053	0.00079	0.001	0.0009	0.04266	0.04217	7.39E-03	1.79E-03	1.27E-09	1.91E-05	2.16E-04	5.82E-05	6.96E-03	6.61E-03	9.83E-03
3287	474863.09	3847877.25	0.00154	0.0256	0.00058	0.0008	0.00098	0.00089	0.0258	0.0256	7.39E-03	1.09E-03	1.39E-09	1.94E-05	2.11E-04	5.76E-05	4.21E-03	4.01E-03	8.97E-03
3288	475363.09	3847877.25	0.00145	0.01717	0.00057	0.00081	0.00099	0.00087	0.01732	0.01717	6.96E-03	7.31E-04	1.37E-09	1.96E-05	2.14E-04	5.63E-05	2.83E-03	2.69E-03	8.12E-03
3289	475863.09	3847877.25	0.00137	0.01319	0.00054	0.00086	0.00104	0.00087	0.01334	0.01319	6.57E-03	5.61E-04	1.30E-09	2.08E-05	2.24E-04	5.63E-05	2.18E-03	2.07E-03	7.55E-03
3290	476363.09	3847877.25	0.00138	0.01256	0.00054	0.00091	0.00113	0.00089	0.01272	0.01256	6.62E-03	5.34E-04	1.30E-09	2.20E-05	2.44E-04	5.76E-05	2.08E-03	1.97E-03	7.59E-03
3291	476863.09	3847877.25	0.00138	0.01099	0.00052	0.00086	0.00114	0.00091	0.0111	0.01099	6.62E-03	4.68E-04	1.25E-09	2.08E-05	2.46E-04	5.89E-05	1.81E-03	1.72E-03	7.51E-03
3292	477363.09	3847877.25	0.0014	0.00974	0.00051	0.0008	0.00106	0.00091	0.00979	0.00974	6.72E-03	4.14E-04	1.22E-09	1.94E-05	2.29E-04	5.89E-05	1.60E-03	1.53E-03	7.51E-03
3293	477863.09	3847877.25	0.00143	0.00881	0.00051	0.00079	0.00095	0.00088	0.00888	0.00881	6.86E-03	3.75E-04	1.22E-09	1.91E-05	2.05E-04	5.69E-05	1.45E-03	1.38E-03	7.59E-03
3294	478363.09	3847877.25	0.00141	0.00797	0.00051	0.00081	0.00089	0.00087	0.00807	0.00797	6.77E-03	3.39E-04	1.22E-09	1.96E-05	1.92E-04	5.63E-05	1.32E-03	1.25E-03	7.44E-03
3295	478863.09	3847877.25	0.00141	0.00734	0.00051	0.00083	0.00091	0.00087	0.00745	0.00734	6.77E-03	3.12E-04	1.22E-09	2.01E-05	1.96E-04	5.63E-05	1.22E-03	1.15E-03	7.42E-03
3296	479363.09	3847877.25	0.00132	0.00615	0.0005	0.00077	0.001	0.00082	0.00622	0.00615	6.33E-03	2.62E-04	1.20E-09	1.87E-05	2.16E-04	5.31E-05	1.02E-03	9.63E-04	6.94E-03
3297	479863.09	3847877.25	0.0012	0.00478	0.00049	0.0007	0.00093	0.00077	0.00482	0.00478	5.76E-03	2.03E-04	1.18E-09	1.70E-05	2.01E-04	4.98E-05	7.87E-04	7.49E-04	6.27E-03
3298	480363.09	3847877.25	0.00126	0.0047	0.0005	0.00071	0.00088	0.00078	0.00474	0.0047	6.05E-03	2.00E-04	1.20E-09	1.72E-05	1.90E-04	5.05E-05	7.74E-04	7.36E-04	6.54E-03
3299	480863.09	3847877.25	0.00127	0.00433	0.00053	0.0007	0.00084	0.00079	0.00436	0.00433	6.09E-03	1.84E-04	1.27E-09	1.70E-05	1.81E-04	5.11E-05	7.12E-04	6.78E-04	6.56E-03
3300	481363.09	3847877.25	0.00133	0.00421	0.00055	0.00071	0.00082	0.00081	0.00424	0.00421	6.38E-03	1.79E-04	1.32E-09	1.72E-05	1.77E-04	5.24E-05	6.92E-04	6.60E-04	6.84E-03
3301	481863.09	3847877.25	0.00151	0.00458	0.00056	0.00077	0.00084	0.00085	0.00464	0.00458	7.25E-03	1.95E-04	1.34E-09	1.87E-05	1.81E-04	5.50E-05	7.57E-04	7.17E-04	7.74E-03
3302	482363.09	3847877.25	0.00147	0.00433	0.00055	0.00077	0.00089	0.00085	0.00439	0.00433	7.05E-03	1.84E-04	1.32E-09	1.87E-05	1.92E-04	5.50E-05	7.17E-04	6.78E-04	7.54E-03

3303	482863.09	3847877.25	0.00142	0.00405	0.00054	0.00075	0.0009	0.00084	0.0041	0.00405	6.81E-03	1.72E-04	1.30E-09	1.82E-05	1.94E-04	5.44E-05	6.69E-04	6.34E-04	7.29E-03
3304	483363.09	3847877.25	0.00142	0.00385	0.00052	0.00074	0.00087	0.00084	0.0039	0.00385	6.81E-03	1.64E-04	1.25E-09	1.79E-05	1.88E-04	5.44E-05	6.37E-04	6.03E-04	7.27E-03
3305	483863.09	3847877.25	0.00144	0.00374	0.00054	0.00075	0.00089	0.00084	0.00379	0.00374	6.91E-03	1.59E-04	1.30E-09	1.82E-05	1.92E-04	5.44E-05	6.19E-04	5.86E-04	7.37E-03
3306	484363.09	3847877.25	0.00145	0.0037	0.00056	0.00076	0.00099	0.00084	0.00375	0.0037	6.96E-03	1.57E-04	1.34E-09	1.84E-05	2.14E-04	5.44E-05	6.12E-04	5.80E-04	7.43E-03
3307	484863.09	3847877.25	0.00143	0.00358	0.00057	0.00076	0.00105	0.00083	0.00363	0.00358	6.86E-03	1.52E-04	1.37E-09	1.84E-05	2.26E-04	5.37E-05	5.93E-04	5.61E-04	7.35E-03
3308	485363.09	3847877.25	0.00142	0.00352	0.00056	0.00077	0.00104	0.00082	0.00356	0.00352	6.81E-03	1.50E-04	1.34E-09	1.87E-05	2.24E-04	5.31E-05	5.81E-04	5.51E-04	7.29E-03
3309	485863.09	3847877.25	0.00141	0.00345	0.00056	0.00077	0.00095	0.00081	0.00349	0.00345	6.77E-03	1.47E-04	1.34E-09	1.87E-05	2.05E-04	5.24E-05	5.70E-04	5.40E-04	7.22E-03
3310	486363.09	3847877.25	0.00136	0.00328	0.00055	0.00076	0.0008	0.00079	0.00332	0.00328	6.53E-03	1.40E-04	1.32E-09	1.84E-05	1.73E-04	5.11E-05	5.42E-04	5.14E-04	6.94E-03
3311	486863.09	3847877.25	0.00133	0.00314	0.00055	0.00074	0.00078	0.00078	0.00318	0.00314	6.38E-03	1.34E-04	1.32E-09	1.79E-05	1.68E-04	5.05E-05	5.19E-04	4.92E-04	6.78E-03
3312	487363.09	3847877.25	0.00133	0.00303	0.00055	0.00073	0.00081	0.00078	0.00307	0.00303	6.38E-03	1.29E-04	1.32E-09	1.77E-05	1.75E-04	5.05E-05	5.01E-04	4.75E-04	6.78E-03
3313	487863.09	3847877.25	0.00131	0.00289	0.00052	0.00071	0.00085	0.00078	0.00292	0.00289	6.29E-03	1.23E-04	1.25E-09	1.72E-05	1.83E-04	5.05E-05	4.77E-04	4.53E-04	6.68E-03
3314	488363.09	3847877.25	0.00131	0.0028	0.00052	0.00071	0.0009	0.00079	0.00283	0.0028	6.29E-03	1.19E-04	1.25E-09	1.72E-05	1.94E-04	5.11E-05	4.62E-04	4.39E-04	6.69E-03
3315	488863.09	3847877.25	0.00132	0.00274	0.00053	0.00072	0.00085	0.00079	0.00277	0.00274	6.33E-03	1.17E-04	1.27E-09	1.74E-05	1.83E-04	5.11E-05	4.52E-04	4.29E-04	6.73E-03
3316	489363.09	3847877.25	0.00132	0.00268	0.00055	0.00072	0.0008	0.0008	0.00271	0.00268	6.33E-03	1.14E-04	1.32E-09	1.74E-05	1.73E-04	5.18E-05	4.42E-04	4.20E-04	6.71E-03
3317	489863.09	3847877.25	0.00136	0.00266	0.00058	0.00074	0.00085	0.00081	0.00269	0.00266	6.53E-03	1.13E-04	1.39E-09	1.79E-05	1.83E-04	5.24E-05	4.39E-04	4.17E-04	6.92E-03
3318	490363.09	3847877.25	0.00135	0.00258	0.00059	0.00073	0.00087	0.00082	0.00262	0.00258	6.48E-03	1.10E-04	1.42E-09	1.77E-05	1.88E-04	5.31E-05	4.28E-04	4.04E-04	6.87E-03
3319	490863.09	3847877.25	0.00135	0.00249	0.00059	0.00074	0.00093	0.00083	0.00252	0.00249	6.48E-03	1.06E-04	1.42E-09	1.79E-05	2.01E-04	5.37E-05	4.11E-04	3.90E-04	6.88E-03
3320	491363.09	3847877.25	0.00132	0.00236	0.00058	0.00073	0.00088	0.00083	0.00239	0.00236	6.33E-03	1.00E-04	1.39E-09	1.77E-05	1.90E-04	5.37E-05	3.90E-04	3.70E-04	6.72E-03
3321	491863.09	3847877.25	0.00133	0.00231	0.00059	0.00074	0.00085	0.00083	0.00234	0.00231	6.38E-03	9.83E-05	1.42E-09	1.79E-05	1.83E-04	5.37E-05	3.82E-04	3.62E-04	6.76E-03
3322	492363.09	3847877.25	0.00135	0.00227	0.00062	0.00075	0.00085	0.00085	0.0023	0.00227	6.48E-03	9.66E-05	1.49E-09	1.82E-05	1.83E-04	5.50E-05	3.75E-04	3.56E-04	6.85E-03
3323	492863.09	3847877.25	0.00136	0.00223	0.00065	0.00076	0.00086	0.00086	0.00225	0.00223	6.53E-03	9.49E-05	1.56E-09	1.84E-05	1.85E-04	5.56E-05	3.67E-04	3.49E-04	6.90E-03
3324	493363.09	3847877.25	0.00135	0.00213	0.00066	0.00076	0.00085	0.00086	0.00215	0.00213	6.48E-03	9.06E-05	1.58E-09	1.84E-05	1.83E-04	5.56E-05	3.51E-04	3.34E-04	6.84E-03
3325	493863.09	3847877.25	0.00135	0.00206	0.00067	0.00077	0.00085	0.00087	0.00208	0.00206	6.48E-03	8.76E-05	1.61E-09	1.87E-05	1.83E-04	5.63E-05	3.40E-04	3.23E-04	6.84E-03
3326	494363.09	3847877.25	0.00137	0.00201	0.00069	0.00078	0.00087	0.00088	0.00204	0.00201	6.57E-03	8.55E-05	1.65E-09	1.89E-05	1.88E-04	5.69E-05	3.33E-04	3.15E-04	6.94E-03
3327	494863.09	3847877.25	0.0014	0.00199	0.00071	0.0008	0.00092	0.0009	0.00202	0.00199	6.72E-03	8.47E-05	1.70E-09	1.94E-05	1.98E-04	5.82E-05	3.30E-04	3.12E-04	7.10E-03
3328	495363.09	3847877.25	0.00142	0.00194	0.00073	0.00081	0.00097	0.00092	0.00197	0.00194	6.81E-03	8.25E-05	1.75E-09	1.96E-05	2.09E-04	5.95E-05	3.22E-04	3.04E-04	7.20E-03
3329	495863.09	3847877.25	0.0014	0.00182	0.00074	0.00081	0.00098	0.00092	0.00184	0.00182	6.72E-03	7.74E-05	1.77E-09	1.96E-05	2.11E-04	5.95E-05	3.00E-04	2.85E-04	7.10E-03
3330	496363.09	3847877.25	0.0015	0.00192	0.00079	0.00085	0.00104	0.00098	0.00195	0.00192	7.20E-03	8.17E-05	1.89E-09	2.06E-05	2.24E-04	6.34E-05	3.18E-04	3.01E-04	7.61E-03
3331	496863.09	3847877.25	0.00155	0.00194	0.00083	0.00088	0.00111	0.00101	0.00197	0.00194	7.44E-03	8.25E-05	1.99E-09	2.13E-05	2.39E-04	6.53E-05	3.22E-04	3.04E-04	7.86E-03
3332	497363.09	3847877.25	0.00161	0.00197	0.00087	0.00091	0.00115	0.00105	0.002	0.00197	7.73E-03	8.38E-05	2.09E-09	2.20E-05	2.48E-04	6.79E-05	3.26E-04	3.09E-04	8.17E-03
3333	497863.09	3847877.25	0.00173	0.00206	0.00092	0.00096	0.00119	0.00111	0.0021	0.00206	8.30E-03	8.76E-05	2.21E-09	2.33E-05	2.57E-04	7.18E-05	3.43E-04	3.23E-04	8.76E-03
3334	498363.09	3847877.25	0.00179	0.00207	0.00094	0.001	0.00119	0.00115	0.00211	0.00207	8.59E-03	8.81E-05	2.25E-09	2.42E-05	2.57E-04	7.44E-05	3.44E-04	3.24E-04	9.05E-03
3335	471363.09	3848377.25	0.00138	0.00405	0.00064	0.00085	0.00107	0.00095	0.00408	0.00405	6.62E-03	1.72E-04	1.53E-09	2.06E-05	2.31E-04	6.15E-05	6.66E-04	6.34E-04	7.14E-03
3336	471863.09	3848377.25	0.00142	0.00469	0.00065	0.00087	0.00112	0.00096	0.00472	0.00469	6.81E-03	2.00E-04	1.56E-09	2.11E-05	2.42E-04	6.21E-05	7.70E-04	7.35E-04	7.37E-03
3337	472363.09	3848377.25	0.00147	0.00559	0.00067	0.00089	0.00114	0.00097	0.00563	0.00559	7.05E-03	2.38E-04	1.61E-09	2.16E-05	2.46E-04	6.28E-05	9.19E-04	8.76E-04	7.67E-03
3338	472863.09	3848377.25	0.00153	0.00697	0.00067	0.00093	0.00115	0.00098	0.00703	0.00697	7.34E-03	2.97E-04	1.61E-09	2.25E-05	2.48E-04	6.34E-05	1.15E-03	1.09E-03	8.03E-03
3339	473363.09	3848377.25	0.00163	0.0094	0.00065	0.00094	0.00117	0.00099	0.00949	0.0094	7.82E-03	4.00E-04	1.56E-09	2.28E-05	2.52E-04	6.41E-05	1.55E-03	1.47E-03	8.64E-03
3340	473863.09	3848377.25	0.00189	0.01528	0.0006	0.00094	0.00118	0.001	0.01542	0.01528	9.07E-03	6.50E-04	1.44E-09	2.28E-05	2.54E-04	6.47E-05	2.52E-03	2.39E-03	1.02E-02
3341	474363.09	3848377.25	0.00428	0.06776	0.00056	0.00092	0.00117	0.00099	0.06827	0.06776	2.05E-02	2.88E-03	1.34E-09	2.23E-05	2.52E-04	6.41E-05	1.11E-02	1.06E-02	2.43E-02
3342	474863.09	3848377.25	0.00231	0.05458	0.00056	0.00087	0.0011	0.00097	0.055	0.05458	1.11E-02	2.32E-03	1.34E-09	2.11E-05	2.37E-04	6.28E-05	8.98E-03	8.55E-03	1.42E-02
3343	475363.09	3848377.25	0.00195	0.0306	0.00063	0.00086	0.00105	0.00096	0.03081	0.0306	9.36E-03	1.30E-03	1.51E-09	2.08E-05	2.26E-04	6.21E-05	5.03E-03	4.79E-03	1.12E-02
3344	475863.09	3848377.25	0.00176	0.01973	0.00062	0.00086	0.00104	0.00093	0.01987	0.01973	8.45E-03	8.39E-04	1.49E-09	2.08E-05	2.24E-04	6.02E-05	3.24E-03	3.09E-03	9.74E-03
3345	476363.09	3848377.25	0.00165	0.0148	0.00058	0.00091	0.00109	0.00092	0.01496	0.0148	7.92E-03	6.30E-04	1.39E-09	2.20E-05	2.35E-04	5.95E-05	2.44E-03	2.32E-03	8.99E-03
3346	476863.09	3848377.25	0.0017	0.01439	0.00058	0.00098	0.00119	0.00096	0.01457	0.01439	8.16E-03	6.12E-04	1.39E-09	2.37E-05	2.57E-04	6.21E-05	2.38E-03	2.25E-03	9.24E-03
3347	477363.09	3848377.25	0.00168	0.01265	0.00056	0.00092	0.00121	0.00098	0.01278	0.01265	8.06E-03	5.38E-04	1.34E-09	2.23E-05	2.61E-04	6.34E-05	2.09E-03	1.98E-03	9.05E-03
3348	477863.09	3848377.25	0.00167	0.01141	0.00055	0.00086	0.00114	0.00097	0.01147	0.01141	8.01E-03	4.85E-04	1.32E-09	2.08E-05	2.46E-04	6.28E-05	1.87E-03	1.79E-03	8.91E-03
3349	478363.09	3848377.25	0.00169	0.01026	0.00055	0.00085	0.00102	0.00093	0.01035	0.01026	8.11E-03	4.37E-04	1.32E-09	2.06E-05	2.20E-04	6.02E-05	1.69E-03	1.61E-03	8.93E-03
3350	478863.09	3848377.25	0.00167	0.00907	0.00054	0.00086	0.00094	0.00091	0.00919	0.00907	8.01E-03	3.86E-04	1.30E-09	2.08E-05	2.03E-04	5.89E-05	1.50E-03	1.42E-03	8.76E-03
3351	479363.09	3848377.25	0.00158	0.00754	0.00053	0.00084	0.00094	0.00088	0.00764	0.00754	7.58E-03	3.21E-04	1.27E-09	2.04E-05	2.03E-04	5.69E-05	1.25E-03	1.18E-03	8.25E-03
3352	479863.09	3848377.25	0.0013	0.00472	0.00051	0.0007	0.00089	0.00078	0.00476	0.00472	6.24E-03	2.01E-04	1.22E-09	1.70E-05	1.92E-04	5.05E-05	7.77E-04	7.39E-04	6.74E-03
3353	480363.09	3848377.25	0.00141	0.00529	0.00053	0.00074	0.00097	0.00082	0.00534	0.00529	6.77E-03	2.25E-04	1.27E-09	1.79E-05	2.09E-04	5.31E-05	8.72E-04	8.29E-04	7.31E-03
3354	480863.09	3848377.25	0.00159	0.00578	0.00056	0.00078	0.00094	0.00087	0.00583	0.00578	7.63E-03	2.46E-04	1.34E-09	1.89E-05	2.03E-04	5.63E-05	9.52E-04	9.05E-04	8.20E-03
3355	481363.09	3848377.25	0.00171	0.00552	0.0006	0.0008	0.00088	0.0009	0.00557	0.00552	8.21E-03	2.35E-04	1.44E-09	1.94E-05	1.90E-04	5.82E-05	9.09E-04	8.65E-04	8.75E-03
3356	481863.09	3848377.25	0.00179	0.00533	0.00061	0.00083	0.00087	0.00091	0.0054	0.00533	8.59E-03	2.27E-04	1.46E-09	2.01E-05	1.88E-04	5.89E-05	8.81E-04	8.35E-04	9.13E-03
3357	482363.09	3848377.25	0.00177	0.0051	0.0006	0.00084	0.00093	0.00092	0.00518	0.0051	8.49E-03	2.17E-04	1.44E-09	2.04E-05	2.01E-04	5.95E-05	8.46E-04	7.99E-04	9.04E-03
3358	482863.09	3848377.25	0.00168	0.00469	0.00059	0.00082	0.00096	0.00091	0.00476	0.00469	8.06E-03	2.00E-04	1.42E-09	1.99E-05	2.07E-04	5.89E-05	7.77E-04	7.35E-04	8.59E-03
3359	483363.09	3848377.25	0.00167	0.00446	0.00056	0.00081	0.00097	0.00091	0.00453	0.00446	8.01E-03	1.90E-04	1.34E-09	1.96E-05	2.09E-04	5.89E-05	7.39E-04	6.99E-04	8.53E-03

3360	483863.09	3848377.25	0.00164	0.00418	0.00057	0.0008	0.00092	0.00089	0.00424	0.00418	7.87E-03	1.78E-04	1.37E-09	1.94E-05	1.98E-04	5.76E-05	6.92E-04	6.55E-04	8.36E-03
3361	484363.09	3848377.25	0.00165	0.00407	0.00059	0.00081	0.001	0.00089	0.00413	0.00407	7.92E-03	1.73E-04	1.42E-09	1.96E-05	2.16E-04	5.76E-05	6.74E-04	6.38E-04	8.42E-03
3362	484863.09	3848377.25	0.00168	0.00407	0.00063	0.00083	0.00111	0.00091	0.00412	0.00407	8.06E-03	1.73E-04	1.51E-09	2.01E-05	2.39E-04	5.89E-05	6.73E-04	6.38E-04	8.59E-03
3363	485363.09	3848377.25	0.00165	0.00393	0.0006	0.00083	0.00114	0.00088	0.00398	0.00393	7.92E-03	1.67E-04	1.44E-09	2.01E-05	2.46E-04	5.69E-05	6.50E-04	6.16E-04	8.44E-03
3364	485863.09	3848377.25	0.00161	0.00382	0.00059	0.00083	0.00107	0.00087	0.00386	0.00382	7.73E-03	1.63E-04	1.42E-09	2.01E-05	2.31E-04	5.63E-05	6.30E-04	5.98E-04	8.23E-03
3365	486363.09	3848377.25	0.00156	0.00365	0.0006	0.00082	0.00089	0.00085	0.00369	0.00365	7.49E-03	1.55E-04	1.44E-09	1.99E-05	1.92E-04	5.50E-05	6.02E-04	5.72E-04	7.94E-03
3366	486863.09	3848377.25	0.00152	0.00347	0.0006	0.0008	0.00083	0.00084	0.00351	0.00347	7.29E-03	1.48E-04	1.44E-09	1.94E-05	1.79E-04	5.44E-05	5.73E-04	5.44E-04	7.72E-03
3367	487363.09	3848377.25	0.00146	0.00326	0.00059	0.00078	0.00086	0.00084	0.0033	0.00326	7.01E-03	1.39E-04	1.42E-09	1.89E-05	1.85E-04	5.44E-05	5.39E-04	5.11E-04	7.43E-03
3368	487863.09	3848377.25	0.00146	0.00316	0.00056	0.00077	0.00091	0.00085	0.0032	0.00316	7.01E-03	1.34E-04	1.34E-09	1.87E-05	1.96E-04	5.50E-05	5.22E-04	4.95E-04	7.44E-03
3369	488363.09	3848377.25	0.00147	0.00306	0.00056	0.00078	0.00095	0.00086	0.0031	0.00306	7.05E-03	1.30E-04	1.34E-09	1.89E-05	2.05E-04	5.56E-05	5.06E-04	4.79E-04	7.49E-03
3370	488863.09	3848377.25	0.00148	0.00297	0.00058	0.00079	0.0009	0.00087	0.00301	0.00297	7.10E-03	1.26E-04	1.39E-09	1.91E-05	1.94E-04	5.63E-05	4.91E-04	4.65E-04	7.52E-03
3371	489363.09	3848377.25	0.0015	0.00291	0.00062	0.00081	0.00088	0.00088	0.00295	0.00291	7.20E-03	1.24E-04	1.49E-09	1.96E-05	1.90E-04	5.69E-05	4.82E-04	4.56E-04	7.61E-03
3372	489863.09	3848377.25	0.00153	0.00289	0.00063	0.00082	0.00091	0.00089	0.00293	0.00289	7.34E-03	1.23E-04	1.51E-09	1.99E-05	1.96E-04	5.76E-05	4.78E-04	4.53E-04	7.76E-03
3373	490363.09	3848377.25	0.00154	0.0028	0.00064	0.00081	0.00097	0.0009	0.00284	0.0028	7.39E-03	1.19E-04	1.53E-09	1.96E-05	2.09E-04	5.82E-05	4.64E-04	4.39E-04	7.82E-03
3374	490863.09	3848377.25	0.00151	0.00267	0.00064	0.00081	0.001	0.00091	0.00271	0.00267	7.25E-03	1.14E-04	1.53E-09	1.96E-05	2.16E-04	5.89E-05	4.42E-04	4.18E-04	7.68E-03
3375	491363.09	3848377.25	0.0015	0.00256	0.00065	0.00081	0.00095	0.00091	0.00259	0.00256	7.20E-03	1.09E-04	1.56E-09	1.96E-05	2.05E-04	5.89E-05	4.23E-04	4.01E-04	7.61E-03
3376	491863.09	3848377.25	0.0015	0.00248	0.00067	0.00081	0.00092	0.00092	0.00251	0.00248	7.20E-03	1.06E-04	1.61E-09	1.96E-05	1.98E-04	5.95E-05	4.10E-04	3.88E-04	7.60E-03
3377	492363.09	3848377.25	0.00147	0.00235	0.00069	0.00081	0.00091	0.00092	0.00238	0.00235	7.05E-03	1.00E-04	1.65E-09	1.96E-05	1.96E-04	5.95E-05	3.88E-04	3.68E-04	7.45E-03
3378	492863.09	3848377.25	0.00144	0.00222	0.00071	0.00081	0.00089	0.00091	0.00225	0.00222	6.91E-03	9.45E-05	1.70E-09	1.96E-05	1.92E-04	5.89E-05	3.67E-04	3.48E-04	7.29E-03
3379	493363.09	3848377.25	0.00145	0.00215	0.00073	0.00082	0.00089	0.00092	0.00218	0.00215	6.96E-03	9.15E-05	1.75E-09	1.99E-05	1.92E-04	5.95E-05	3.56E-04	3.37E-04	7.34E-03
3380	493863.09	3848377.25	0.00146	0.00207	0.00074	0.00083	0.00091	0.00094	0.0021	0.00207	7.01E-03	8.81E-05	1.77E-09	2.01E-05	1.96E-04	6.08E-05	3.43E-04	3.24E-04	7.39E-03
3381	494363.09	3848377.25	0.00147	0.00201	0.00075	0.00084	0.00096	0.00096	0.00204	0.00201	7.05E-03	8.55E-05	1.80E-09	2.04E-05	2.07E-04	6.21E-05	3.33E-04	3.15E-04	7.45E-03
3382	494863.09	3848377.25	0.00151	0.00199	0.00078	0.00087	0.00101	0.00099	0.00203	0.00199	7.25E-03	8.47E-05	1.87E-09	2.11E-05	2.18E-04	6.41E-05	3.31E-04	3.12E-04	7.65E-03
3383	495363.09	3848377.25	0.00151	0.0019	0.0008	0.00087	0.00104	0.00099	0.00193	0.0019	7.25E-03	8.08E-05	1.92E-09	2.11E-05	2.24E-04	6.41E-05	3.15E-04	2.98E-04	7.65E-03
3384	495863.09	3848377.25	0.00153	0.00186	0.00083	0.00089	0.00107	0.00101	0.0019	0.00186	7.34E-03	7.91E-05	1.99E-09	2.16E-05	2.31E-04	6.53E-05	3.10E-04	2.91E-04	7.76E-03
3385	496363.09	3848377.25	0.00159	0.0019	0.00089	0.00092	0.00112	0.00106	0.00193	0.0019	7.63E-03	8.08E-05	2.13E-09	2.23E-05	2.42E-04	6.86E-05	3.15E-04	2.98E-04	8.06E-03
3386	496863.09	3848377.25	0.00162	0.00185	0.00091	0.00094	0.00114	0.00108	0.00189	0.00185	7.77E-03	7.87E-05	2.18E-09	2.28E-05	2.46E-04	6.99E-05	3.09E-04	2.90E-04	8.21E-03
3387	497363.09	3848377.25	0.00171	0.00192	0.00096	0.00098	0.00118	0.00113	0.00196	0.00192	8.21E-03	8.17E-05	2.30E-09	2.37E-05	2.54E-04	7.31E-05	3.20E-04	3.01E-04	8.66E-03
3388	497863.09	3848377.25	0.00192	0.00214	0.00101	0.00107	0.00126	0.00123	0.00218	0.00214	9.21E-03	9.11E-05	2.42E-09	2.59E-05	2.72E-04	7.96E-05	3.56E-04	3.35E-04	9.70E-03
3389	498363.09	3848377.25	0.00196	0.00213	0.00103	0.00111	0.00129	0.00126	0.00217	0.00213	9.41E-03	9.06E-05	2.47E-09	2.69E-05	2.78E-04	8.15E-05	3.54E-04	3.34E-04	9.90E-03
3390	471363.09	3848877.25	0.00142	0.00355	0.00066	0.0009	0.00103	0.00099	0.00358	0.00355	6.81E-03	1.51E-04	1.58E-09	2.18E-05	2.22E-04	6.41E-05	5.84E-04	5.56E-04	7.30E-03
3391	471863.09	3848877.25	0.00147	0.00395	0.00068	0.00091	0.00108	0.001	0.00398	0.00395	7.05E-03	1.68E-04	1.63E-09	2.20E-05	2.33E-04	6.47E-05	6.50E-04	6.19E-04	7.57E-03
3392	472363.09	3848877.25	0.00153	0.00448	0.0007	0.00091	0.00115	0.00102	0.00451	0.00448	7.34E-03	1.91E-04	1.68E-09	2.20E-05	2.48E-04	6.60E-05	7.36E-04	7.02E-04	7.90E-03
3393	472863.09	3848877.25	0.0016	0.00527	0.00071	0.00093	0.0012	0.00103	0.0053	0.00527	7.68E-03	2.24E-04	1.70E-09	2.25E-05	2.59E-04	6.66E-05	8.65E-04	8.26E-04	8.29E-03
3394	473363.09	3848877.25	0.00169	0.00644	0.00073	0.00097	0.00122	0.00104	0.00649	0.00644	8.11E-03	2.74E-04	1.75E-09	2.35E-05	2.63E-04	6.73E-05	1.06E-03	1.01E-03	8.79E-03
3395	473863.09	3848877.25	0.00187	0.00853	0.00072	0.001	0.00124	0.00106	0.00862	0.00853	8.97E-03	3.63E-04	1.73E-09	2.42E-05	2.67E-04	6.86E-05	1.41E-03	1.34E-03	9.77E-03
3396	474363.09	3848877.25	0.0023	0.01324	0.00067	0.00102	0.00126	0.00107	0.01338	0.01324	1.10E-02	5.63E-04	1.61E-09	2.47E-05	2.72E-04	6.92E-05	2.18E-03	2.07E-03	1.21E-02
3397	474863.09	3848877.25	0.0052	0.04273	0.00061	0.00099	0.00126	0.00106	0.04312	0.04273	2.50E-02	1.82E-03	1.46E-09	2.40E-05	2.72E-04	6.86E-05	7.04E-03	6.69E-03	2.75E-02
3398	475363.09	3848877.25	0.0054	0.09208	0.00061	0.00096	0.00122	0.00106	0.09281	0.09208	2.59E-02	3.92E-03	1.46E-09	2.33E-05	2.63E-04	6.86E-05	1.51E-02	1.44E-02	3.09E-02
3399	475863.09	3848877.25	0.00345	0.04496	0.00067	0.00094	0.00115	0.00105	0.04532	0.04496	1.66E-02	1.91E-03	1.61E-09	2.28E-05	2.48E-04	6.79E-05	7.40E-03	7.04E-03	1.92E-02
3400	476363.09	3848877.25	0.00283	0.0315	0.00069	0.00092	0.00111	0.001	0.03174	0.0315	1.36E-02	1.34E-03	1.65E-09	2.23E-05	2.39E-04	6.47E-05	5.18E-03	4.93E-03	1.55E-02
3401	476863.09	3848877.25	0.00252	0.02391	0.00064	0.00096	0.00114	0.00099	0.02414	0.02391	1.21E-02	1.02E-03	1.53E-09	2.33E-05	2.46E-04	6.41E-05	3.94E-03	3.75E-03	1.36E-02
3402	477363.09	3848877.25	0.00238	0.02163	0.00063	0.00106	0.00125	0.00104	0.02188	0.02163	1.14E-02	9.20E-04	1.51E-09	2.57E-05	2.70E-04	6.73E-05	3.57E-03	3.39E-03	1.29E-02
3403	477863.09	3848877.25	0.00224	0.01765	0.0006	0.001	0.0013	0.00107	0.01782	0.01765	1.07E-02	7.51E-04	1.44E-09	2.42E-05	2.80E-04	6.92E-05	2.91E-03	2.76E-03	1.20E-02
3404	478363.09	3848877.25	0.00219	0.01493	0.00059	0.00093	0.00123	0.00104	0.01501	0.01493	1.05E-02	6.35E-04	1.42E-09	2.25E-05	2.65E-04	6.73E-05	2.45E-03	2.34E-03	1.16E-02
3405	478863.09	3848877.25	0.00218	0.0125	0.00058	0.00092	0.0011	0.001	0.01261	0.0125	1.05E-02	5.32E-04	1.39E-09	2.23E-05	2.37E-04	6.47E-05	2.06E-03	1.96E-03	1.14E-02
3406	479363.09	3848877.25	0.0021	0.01027	0.00057	0.00091	0.001	0.00097	0.0104	0.01027	1.01E-02	4.37E-04	1.37E-09	2.20E-05	2.16E-04	6.28E-05	1.70E-03	1.61E-03	1.09E-02
3407	479863.09	3848877.25	0.00199	0.00853	0.00057	0.0009	0.00102	0.00095	0.00864	0.00853	9.55E-03	3.63E-04	1.37E-09	2.18E-05	2.20E-04	6.15E-05	1.41E-03	1.34E-03	1.03E-02
3408	480363.09	3848877.25	0.00202	0.00797	0.00058	0.00089	0.00121	0.00095	0.00806	0.00797	9.69E-03	3.39E-04	1.39E-09	2.16E-05	2.61E-04	6.15E-05	1.32E-03	1.25E-03	1.04E-02
3409	480863.09	3848877.25	0.00211	0.00751	0.00061	0.0009	0.00123	0.00098	0.00757	0.00751	1.01E-02	3.20E-04	1.46E-09	2.18E-05	2.65E-04	6.34E-05	1.24E-03	1.18E-03	1.09E-02
3410	481363.09	3848877.25	0.0022	0.00688	0.00068	0.00089	0.00101	0.001	0.00694	0.00688	1.06E-02	2.93E-04	1.63E-09	2.16E-05	2.18E-04	6.47E-05	1.13E-03	1.08E-03	1.12E-02
3411	481863.09	3848877.25	0.00219	0.00615	0.00067	0.00089	0.00094	0.00098	0.00622	0.00615	1.05E-02	2.62E-04	1.61E-09	2.16E-05	2.03E-04	6.34E-05	1.02E-03	9.63E-04	1.11E-02
3412	482363.09	3848877.25	0.002	0.00545	0.00063	0.00088	0.00093	0.00095	0.00552	0.00545	9.60E-03	2.32E-04	1.51E-09	2.13E-05	2.01E-04	6.15E-05	9.01E-04	8.54E-04	1.02E-02
3413	482863.09	3848877.25	0.00186	0.00491	0.00062	0.00085	0.00096	0.00094	0.00497	0.00491	8.93E-03	2.09E-04	1.49E-09	2.06E-05	2.07E-04	6.08E-05	8.11E-04	7.69E-04	9.47E-03
3414	483363.09	3848877.25	0.00179	0.0045	0.00059	0.00083	0.00098	0.00093	0.00456	0.0045	8.59E-03	1.91E-04	1.42E-09	2.01E-05	2.11E-04	6.02E-05	7.44E-04	7.05E-04	9.11E-03
3415	483863.09	3848877.25	0.00174	0.00431	0.0006	0.00083	0.00098	0.00093	0.00436	0.00431	8.35E-03	1.83E-04	1.44E-09	2.01E-05	2.11E-04	6.02E-05	7.12E-04	6.75E-04	8.86E-03
3416	484363.09	3848877.25	0.00187	0.00446	0.00064	0.00086	0.00102	0.00096	0.00452	0.00446	8.97E-03	1.90E-04	1.53E-09	2.08E-05	2.20E-04	6.21E-05	7.38E-04	6.99E-04	9.51E-03

3417	484863.09	3848877.25	0.00196	0.00455	0.00068	0.00091	0.00124	0.00099	0.00462	0.00455	9.41E-03	1.94E-04	1.63E-09	2.20E-05	2.67E-04	6.41E-05	7.54E-04	7.13E-04	9.99E-03
3418	485363.09	3848877.25	0.00191	0.00437	0.00066	0.00091	0.0013	0.00097	0.00443	0.00437	9.17E-03	1.86E-04	1.58E-09	2.20E-05	2.80E-04	6.28E-05	7.23E-04	6.85E-04	9.76E-03
3419	485863.09	3848877.25	0.00186	0.0042	0.00063	0.0009	0.00122	0.00095	0.00426	0.0042	8.93E-03	1.79E-04	1.51E-09	2.18E-05	2.63E-04	6.15E-05	6.95E-04	6.58E-04	9.49E-03
3420	486363.09	3848877.25	0.00177	0.00396	0.00065	0.00088	0.00099	0.00092	0.00401	0.00396	8.49E-03	1.68E-04	1.56E-09	2.13E-05	2.14E-04	5.95E-05	6.55E-04	6.20E-04	8.99E-03
3421	486863.09	3848877.25	0.00168	0.00371	0.00065	0.00086	0.00089	0.00091	0.00376	0.00371	8.06E-03	1.58E-04	1.56E-09	2.08E-05	1.92E-04	5.89E-05	6.14E-04	5.81E-04	8.52E-03
3422	487363.09	3848877.25	0.00168	0.00361	0.00063	0.00086	0.00092	0.00092	0.00366	0.00361	8.06E-03	1.54E-04	1.51E-09	2.08E-05	1.98E-04	5.95E-05	5.97E-04	5.66E-04	8.53E-03
3423	487863.09	3848877.25	0.00165	0.00346	0.00061	0.00085	0.00097	0.00094	0.0035	0.00346	7.92E-03	1.47E-04	1.46E-09	2.06E-05	2.09E-04	6.08E-05	5.71E-04	5.42E-04	8.39E-03
3424	488363.09	3848877.25	0.00166	0.00334	0.00063	0.00086	0.00101	0.00095	0.00339	0.00334	7.97E-03	1.42E-04	1.51E-09	2.08E-05	2.18E-04	6.15E-05	5.53E-04	5.23E-04	8.44E-03
3425	488863.09	3848877.25	0.00166	0.00322	0.00067	0.00088	0.00095	0.00096	0.00327	0.00322	7.97E-03	1.37E-04	1.61E-09	2.13E-05	2.05E-04	6.21E-05	5.34E-04	5.04E-04	8.42E-03
3426	489363.09	3848877.25	0.00167	0.00315	0.00069	0.00089	0.00094	0.00097	0.0032	0.00315	8.01E-03	1.34E-04	1.65E-09	2.16E-05	2.03E-04	6.28E-05	5.22E-04	4.93E-04	8.46E-03
3427	489863.09	3848877.25	0.0017	0.00309	0.0007	0.0009	0.00099	0.00098	0.00314	0.00309	8.16E-03	1.31E-04	1.68E-09	2.18E-05	2.14E-04	6.34E-05	5.13E-04	4.84E-04	8.62E-03
3428	490363.09	3848877.25	0.00169	0.00294	0.00069	0.00088	0.00105	0.00098	0.00299	0.00294	8.11E-03	1.25E-04	1.65E-09	2.13E-05	2.26E-04	6.34E-05	4.88E-04	4.61E-04	8.57E-03
3429	490863.09	3848877.25	0.00167	0.0028	0.0007	0.00088	0.00106	0.00099	0.00284	0.0028	8.01E-03	1.19E-04	1.68E-09	2.13E-05	2.29E-04	6.41E-05	4.64E-04	4.39E-04	8.47E-03
3430	491363.09	3848877.25	0.00166	0.00269	0.00074	0.00089	0.00099	0.001	0.00273	0.00269	7.97E-03	1.14E-04	1.77E-09	2.16E-05	2.14E-04	6.47E-05	4.46E-04	4.21E-04	8.40E-03
3431	491863.09	3848877.25	0.00162	0.00253	0.00075	0.00088	0.00096	0.001	0.00257	0.00253	7.77E-03	1.08E-04	1.80E-09	2.13E-05	2.07E-04	6.47E-05	4.19E-04	3.96E-04	8.20E-03
3432	492363.09	3848877.25	0.00158	0.00238	0.00078	0.00088	0.00094	0.00099	0.00242	0.00238	7.58E-03	1.01E-04	1.87E-09	2.13E-05	2.03E-04	6.41E-05	3.95E-04	3.73E-04	7.99E-03
3433	492863.09	3848877.25	0.00155	0.00222	0.00079	0.00088	0.00094	0.00099	0.00225	0.00222	7.44E-03	9.45E-05	1.89E-09	2.13E-05	2.03E-04	6.41E-05	3.67E-04	3.48E-04	7.84E-03
3434	493363.09	3848877.25	0.00152	0.00207	0.00079	0.00088	0.00094	0.00099	0.0021	0.00207	7.29E-03	8.81E-05	1.89E-09	2.13E-05	2.03E-04	6.41E-05	3.43E-04	3.24E-04	7.69E-03
3435	493863.09	3848877.25	0.00156	0.00205	0.00082	0.0009	0.00099	0.00102	0.00208	0.00205	7.49E-03	8.72E-05	1.97E-09	2.18E-05	2.14E-04	6.60E-05	3.40E-04	3.21E-04	7.89E-03
3436	494363.09	3848877.25	0.00159	0.002	0.00084	0.00092	0.00105	0.00105	0.00203	0.002	7.63E-03	8.51E-05	2.01E-09	2.23E-05	2.26E-04	6.79E-05	3.31E-04	3.13E-04	8.05E-03
3437	494863.09	3848877.25	0.00163	0.002	0.00088	0.00095	0.00111	0.00108	0.00204	0.002	7.82E-03	8.51E-05	2.11E-09	2.30E-05	2.39E-04	6.99E-05	3.33E-04	3.13E-04	8.26E-03
3438	495363.09	3848877.25	0.00168	0.00198	0.00093	0.00097	0.00115	0.00111	0.00202	0.00198	8.06E-03	8.42E-05	2.23E-09	2.35E-05	2.48E-04	7.18E-05	3.30E-04	3.10E-04	8.51E-03
3439	495863.09	3848877.25	0.00167	0.00188	0.00095	0.00097	0.00116	0.00111	0.00191	0.00188	8.01E-03	8.00E-05	2.28E-09	2.35E-05	2.50E-04	7.18E-05	3.12E-04	2.95E-04	8.46E-03
3440	496363.09	3848877.25	0.00171	0.00186	0.00098	0.001	0.00119	0.00114	0.0019	0.00186	8.21E-03	7.91E-05	2.35E-09	2.42E-05	2.57E-04	7.38E-05	3.10E-04	2.91E-04	8.66E-03
3441	496863.09	3848877.25	0.0018	0.00193	0.00103	0.00104	0.00124	0.0012	0.00197	0.00193	8.64E-03	8.21E-05	2.47E-09	2.52E-05	2.67E-04	7.76E-05	3.22E-04	3.02E-04	9.11E-03
3442	497363.09	3848877.25	0.00197	0.00211	0.00108	0.00112	0.0013	0.00129	0.00215	0.00211	9.45E-03	8.98E-05	2.59E-09	2.71E-05	2.80E-04	8.35E-05	3.51E-04	3.31E-04	9.96E-03
3443	497863.09	3848877.25	0.00208	0.00216	0.00112	0.00118	0.00137	0.00134	0.00221	0.00216	9.98E-03	9.19E-05	2.69E-09	2.86E-05	2.95E-04	8.67E-05	3.61E-04	3.38E-04	1.05E-02
3444	498363.09	3848877.25	0.00216	0.00219	0.00115	0.00124	0.00145	0.00139	0.00224	0.00219	1.04E-02	9.32E-05	2.76E-09	3.00E-05	3.13E-04	8.99E-05	3.66E-04	3.43E-04	1.09E-02
3445	471363.09	3849377.25	0.00146	0.00311	0.00067	0.00093	0.00109	0.00103	0.00314	0.00311	7.01E-03	1.32E-04	1.61E-09	2.25E-05	2.35E-04	6.66E-05	5.13E-04	4.87E-04	7.49E-03
3446	471863.09	3849377.25	0.00151	0.00344	0.0007	0.00096	0.00108	0.00105	0.00348	0.00344	7.25E-03	1.46E-04	1.68E-09	2.33E-05	2.33E-04	6.79E-05	5.68E-04	5.39E-04	7.75E-03
3447	472363.09	3849377.25	0.00157	0.00382	0.00072	0.00097	0.00111	0.00107	0.00386	0.00382	7.53E-03	1.63E-04	1.73E-09	2.35E-05	2.39E-04	6.92E-05	6.30E-04	5.98E-04	8.06E-03
3448	472863.09	3849377.25	0.00164	0.00431	0.00075	0.00098	0.00117	0.00109	0.00434	0.00431	7.87E-03	1.83E-04	1.80E-09	2.37E-05	2.52E-04	7.05E-05	7.08E-04	6.75E-04	8.43E-03
3449	473363.09	3849377.25	0.00173	0.00504	0.00077	0.00099	0.00123	0.0011	0.00507	0.00504	8.30E-03	2.14E-04	1.85E-09	2.40E-05	2.65E-04	7.12E-05	8.28E-04	7.90E-04	8.92E-03
3450	473863.09	3849377.25	0.00184	0.00611	0.00079	0.00101	0.00129	0.00111	0.00615	0.00611	8.83E-03	2.60E-04	1.89E-09	2.45E-05	2.78E-04	7.18E-05	1.00E-03	9.57E-04	9.51E-03
3451	474363.09	3849377.25	0.002	0.00775	0.00079	0.00105	0.00132	0.00112	0.00782	0.00775	9.60E-03	3.30E-04	1.89E-09	2.54E-05	2.85E-04	7.25E-05	1.28E-03	1.21E-03	1.04E-02
3452	474863.09	3849377.25	0.00226	0.01071	0.00076	0.00109	0.00134	0.00115	0.01083	0.01071	1.08E-02	4.56E-04	1.82E-09	2.64E-05	2.89E-04	7.44E-05	1.77E-03	1.68E-03	1.18E-02
3453	475363.09	3849377.25	0.00283	0.01747	0.00069	0.00109	0.00135	0.00115	0.01765	0.01747	1.36E-02	7.43E-04	1.65E-09	2.64E-05	2.91E-04	7.44E-05	2.88E-03	2.74E-03	1.49E-02
3454	475863.09	3849377.25	0.00476	0.03021	0.00068	0.00107	0.00133	0.00117	0.03045	0.03021	2.28E-02	1.29E-03	1.63E-09	2.59E-05	2.87E-04	7.57E-05	4.97E-03	4.73E-03	2.48E-02
3455	476363.09	3849377.25	0.00949	0.06605	0.00074	0.00105	0.00128	0.00117	0.0664	0.06605	4.55E-02	2.81E-03	1.77E-09	2.54E-05	2.76E-04	7.57E-05	1.08E-02	1.03E-02	4.92E-02
3456	476863.09	3849377.25	0.01441	0.1828	0.00077	0.00102	0.00122	0.00111	0.1849	0.1828	6.92E-02	7.78E-03	1.85E-09	2.47E-05	2.63E-04	7.18E-05	3.02E-02	2.86E-02	7.88E-02
3457	477363.09	3849377.25	0.00568	0.05254	0.00072	0.00105	0.00122	0.00108	0.05296	0.05254	2.73E-02	2.24E-03	1.73E-09	2.54E-05	2.63E-04	6.99E-05	8.64E-03	8.23E-03	3.03E-02
3458	477863.09	3849377.25	0.00409	0.03152	0.00067	0.00113	0.0013	0.00112	0.03182	0.03152	1.96E-02	1.34E-03	1.61E-09	2.74E-05	2.80E-04	7.25E-05	5.19E-03	4.94E-03	2.16E-02
3459	478363.09	3849377.25	0.00362	0.02321	0.00065	0.0011	0.00138	0.00118	0.02339	0.02321	1.74E-02	9.88E-04	1.56E-09	2.66E-05	2.98E-04	7.63E-05	3.82E-03	3.64E-03	1.89E-02
3460	478863.09	3849377.25	0.00349	0.01754	0.00064	0.001	0.00133	0.0011	0.01764	0.01754	1.67E-02	7.46E-04	1.53E-09	2.42E-05	2.87E-04	7.12E-05	2.88E-03	2.75E-03	1.80E-02
3461	479363.09	3849377.25	0.00336	0.01434	0.00063	0.001	0.00118	0.00107	0.01446	0.01434	1.61E-02	6.10E-04	1.51E-09	2.42E-05	2.54E-04	6.92E-05	2.36E-03	2.25E-03	1.72E-02
3462	479863.09	3849377.25	0.00303	0.01127	0.00062	0.00098	0.00107	0.00104	0.01141	0.01127	1.45E-02	4.80E-04	1.49E-09	2.37E-05	2.31E-04	6.73E-05	1.86E-03	1.77E-03	1.54E-02
3463	480363.09	3849377.25	0.00304	0.01068	0.00064	0.00103	0.00115	0.00108	0.0108	0.01068	1.46E-02	4.54E-04	1.53E-09	2.50E-05	2.48E-04	6.99E-05	1.76E-03	1.67E-03	1.55E-02
3464	480863.09	3849377.25	0.00287	0.00939	0.00065	0.00102	0.0014	0.00108	0.00949	0.00939	1.38E-02	4.00E-04	1.56E-09	2.47E-05	3.02E-04	6.99E-05	1.55E-03	1.47E-03	1.46E-02
3465	481363.09	3849377.25	0.00274	0.00804	0.00071	0.00096	0.00127	0.00107	0.00809	0.00804	1.31E-02	3.42E-04	1.70E-09	2.33E-05	2.74E-04	6.92E-05	1.32E-03	1.26E-03	1.39E-02
3466	481863.09	3849377.25	0.00249	0.00659	0.00071	0.00092	0.00103	0.00103	0.00665	0.00659	1.19E-02	2.80E-04	1.70E-09	2.23E-05	2.22E-04	6.66E-05	1.09E-03	1.03E-03	1.26E-02
3467	482363.09	3849377.25	0.0023	0.00588	0.00067	0.00093	0.00099	0.00101	0.00594	0.00588	1.10E-02	2.50E-04	1.61E-09	2.25E-05	2.14E-04	6.53E-05	9.70E-04	9.21E-04	1.16E-02
3468	482863.09	3849377.25	0.00209	0.00518	0.00067	0.00089	0.00099	0.00099	0.00524	0.00518	1.00E-02	2.20E-04	1.61E-09	2.16E-05	2.14E-04	6.41E-05	8.55E-04	8.11E-04	1.06E-02
3469	483363.09	3849377.25	0.00196	0.00476	0.00063	0.00088	0.00102	0.00098	0.00482	0.00476	9.41E-03	2.03E-04	1.51E-09	2.13E-05	2.20E-04	6.34E-05	7.87E-04	7.46E-04	9.95E-03
3470	483863.09	3849377.25	0.00181	0.00427	0.00063	0.00086	0.00103	0.00097	0.00432	0.00427	8.69E-03	1.82E-04	1.51E-09	2.08E-05	2.22E-04	6.28E-05	7.05E-04	6.69E-04	9.21E-03
3471	484363.09	3849377.25	0.00212	0.00486	0.00069	0.00093	0.0011	0.00105	0.00493	0.00486	1.02E-02	2.07E-04	1.65E-09	2.25E-05	2.37E-04	6.79E-05	8.05E-04	7.61E-04	1.08E-02
3472	484863.09	3849377.25	0.00228	0.00503	0.00074	0.00099	0.00137	0.00107	0.00511	0.00503	1.09E-02	2.14E-04	1.77E-09	2.40E-05	2.95E-04	6.92E-05	8.34E-04	7.88E-04	1.16E-02
3473	485363.09	3849377.25	0.00223	0.00482	0.00071	0.00099	0.0015	0.00106	0.0049	0.00482	1.07E-02	2.05E-04	1.70E-09	2.40E-05	3.24E-04	6.86E-05	8.00E-04	7.55E-04	1.14E-02

3474	485863.09	3849377.25	0.00197	0.00427	0.00067	0.00094	0.00125	0.00099	0.00433	0.00427	9.45E-03	1.82E-04	1.61E-09	2.28E-05	2.70E-04	6.41E-05	7.07E-04	6.69E-04	1.00E-02
3475	486363.09	3849377.25	0.00178	0.00382	0.00067	0.0009	0.00102	0.00095	0.00387	0.00382	8.54E-03	1.63E-04	1.61E-09	2.18E-05	2.20E-04	6.15E-05	6.32E-04	5.98E-04	9.04E-03
3476	486863.09	3849377.25	0.00188	0.00398	0.0007	0.00094	0.00097	0.001	0.00403	0.00398	9.02E-03	1.69E-04	1.68E-09	2.28E-05	2.09E-04	6.47E-05	6.58E-04	6.23E-04	9.52E-03
3477	487363.09	3849377.25	0.0019	0.0039	0.00071	0.00094	0.00099	0.00103	0.00395	0.0039	9.12E-03	1.66E-04	1.70E-09	2.28E-05	2.14E-04	6.66E-05	6.45E-04	6.11E-04	9.62E-03
3478	487863.09	3849377.25	0.00189	0.00374	0.00069	0.00095	0.00104	0.00104	0.00379	0.00374	9.07E-03	1.59E-04	1.65E-09	2.30E-05	2.24E-04	6.73E-05	6.19E-04	5.86E-04	9.58E-03
3479	488363.09	3849377.25	0.00189	0.00359	0.00073	0.00096	0.00107	0.00105	0.00365	0.00359	9.07E-03	1.53E-04	1.75E-09	2.33E-05	2.31E-04	6.79E-05	5.96E-04	5.62E-04	9.58E-03
3480	488863.09	3849377.25	0.00189	0.00348	0.00076	0.00097	0.00102	0.00106	0.00354	0.00348	9.07E-03	1.48E-04	1.82E-09	2.35E-05	2.20E-04	6.86E-05	5.78E-04	5.45E-04	9.56E-03
3481	489363.09	3849377.25	0.0019	0.00338	0.00076	0.00099	0.00104	0.00108	0.00343	0.00338	9.12E-03	1.44E-04	1.82E-09	2.40E-05	2.24E-04	6.99E-05	5.60E-04	5.29E-04	9.61E-03
3482	489863.09	3849377.25	0.00189	0.00325	0.00077	0.00099	0.00108	0.00109	0.0033	0.00325	9.07E-03	1.38E-04	1.85E-09	2.40E-05	2.33E-04	7.05E-05	5.39E-04	5.09E-04	9.57E-03
3483	490363.09	3849377.25	0.00187	0.00307	0.00078	0.00097	0.00114	0.00109	0.00312	0.00307	8.97E-03	1.31E-04	1.87E-09	2.35E-05	2.46E-04	7.05E-05	5.09E-04	4.81E-04	9.47E-03
3484	490863.09	3849377.25	0.00186	0.00293	0.00081	0.00097	0.00111	0.00109	0.00298	0.00293	8.93E-03	1.25E-04	1.94E-09	2.35E-05	2.39E-04	7.05E-05	4.86E-04	4.59E-04	9.41E-03
3485	491363.09	3849377.25	0.00185	0.00281	0.00084	0.00098	0.00105	0.00111	0.00285	0.00281	8.88E-03	1.20E-04	2.01E-09	2.37E-05	2.26E-04	7.18E-05	4.65E-04	4.40E-04	9.34E-03
3486	491863.09	3849377.25	0.00179	0.00263	0.00086	0.00098	0.00104	0.00111	0.00267	0.00263	8.59E-03	1.12E-04	2.06E-09	2.37E-05	2.24E-04	7.18E-05	4.36E-04	4.12E-04	9.05E-03
3487	492363.09	3849377.25	0.00175	0.00247	0.00088	0.00099	0.00103	0.00112	0.00251	0.00247	8.40E-03	1.05E-04	2.11E-09	2.40E-05	2.22E-04	7.25E-05	4.10E-04	3.87E-04	8.84E-03
3488	492863.09	3849377.25	0.0017	0.00226	0.00088	0.00097	0.00101	0.0011	0.0023	0.00226	8.16E-03	9.62E-05	2.11E-09	2.35E-05	2.18E-04	7.12E-05	3.75E-04	3.54E-04	8.59E-03
3489	493363.09	3849377.25	0.00169	0.00216	0.0009	0.00099	0.00105	0.00112	0.00219	0.00216	8.11E-03	9.19E-05	2.16E-09	2.40E-05	2.26E-04	7.25E-05	3.57E-04	3.38E-04	8.54E-03
3490	493863.09	3849377.25	0.00172	0.00209	0.00093	0.001	0.0011	0.00114	0.00213	0.00209	8.25E-03	8.89E-05	2.23E-09	2.42E-05	2.37E-04	7.38E-05	3.48E-04	3.27E-04	8.70E-03
3491	494363.09	3849377.25	0.00177	0.00208	0.00098	0.00104	0.00118	0.00118	0.00212	0.00208	8.49E-03	8.85E-05	2.35E-09	2.52E-05	2.54E-04	7.63E-05	3.46E-04	3.26E-04	8.96E-03
3492	494863.09	3849377.25	0.00189	0.00217	0.00104	0.00109	0.00126	0.00124	0.00222	0.00217	9.07E-03	9.23E-05	2.49E-09	2.64E-05	2.72E-04	8.02E-05	3.62E-04	3.40E-04	9.56E-03
3493	495363.09	3849377.25	0.00194	0.00217	0.00109	0.00111	0.00133	0.00128	0.00222	0.00217	9.31E-03	9.23E-05	2.61E-09	2.69E-05	2.87E-04	8.28E-05	3.62E-04	3.40E-04	9.82E-03
3494	495863.09	3849377.25	0.00184	0.00191	0.00107	0.00108	0.00127	0.00123	0.00195	0.00191	8.83E-03	8.13E-05	2.57E-09	2.62E-05	2.74E-04	7.96E-05	3.18E-04	2.99E-04	9.31E-03
3495	496363.09	3849377.25	0.00185	0.00185	0.00107	0.00109	0.00128	0.00124	0.00189	0.00185	8.88E-03	7.87E-05	2.57E-09	2.64E-05	2.76E-04	8.02E-05	3.09E-04	2.90E-04	9.36E-03
3496	496863.09	3849377.25	0.00207	0.00208	0.00116	0.00119	0.00138	0.00136	0.00214	0.00208	9.93E-03	8.85E-05	2.78E-09	2.88E-05	2.98E-04	8.80E-05	3.49E-04	3.26E-04	1.05E-02
3497	497363.09	3849377.25	0.00215	0.00212	0.00119	0.00124	0.00144	0.00141	0.00218	0.00212	1.03E-02	9.02E-05	2.85E-09	3.00E-05	3.11E-04	9.12E-05	3.56E-04	3.32E-04	1.09E-02
3498	497863.09	3849377.25	0.00243	0.00233	0.00127	0.00137	0.00158	0.00153	0.0024	0.00233	1.17E-02	9.91E-05	3.05E-09	3.32E-05	3.41E-04	9.90E-05	3.92E-04	3.65E-04	1.23E-02
3499	498363.09	3849377.25	0.00241	0.00225	0.00128	0.0014	0.00163	0.00154	0.00232	0.00225	1.16E-02	9.57E-05	3.07E-09	3.39E-05	3.52E-04	9.96E-05	3.79E-04	3.52E-04	1.22E-02
3500	471363.09	3849877.25	0.00149	0.00262	0.00066	0.00094	0.00126	0.00103	0.00266	0.00262	7.15E-03	1.11E-04	1.58E-09	2.28E-05	2.72E-04	6.66E-05	4.34E-04	4.10E-04	7.65E-03
3501	471863.09	3849877.25	0.00157	0.00307	0.0007	0.00098	0.00122	0.00108	0.00311	0.00307	7.53E-03	1.31E-04	1.68E-09	2.37E-05	2.63E-04	6.99E-05	5.08E-04	4.81E-04	8.05E-03
3502	472363.09	3849877.25	0.00163	0.00341	0.00074	0.00101	0.00118	0.00112	0.00345	0.00341	7.82E-03	1.45E-04	1.77E-09	2.45E-05	2.54E-04	7.25E-05	5.63E-04	5.34E-04	8.35E-03
3503	472863.09	3849877.25	0.00167	0.00374	0.00077	0.00104	0.00117	0.00114	0.00378	0.00374	8.01E-03	1.59E-04	1.85E-09	2.52E-05	2.52E-04	7.38E-05	6.17E-04	5.86E-04	8.56E-03
3504	473363.09	3849877.25	0.00173	0.00418	0.00079	0.00106	0.0012	0.00116	0.00422	0.00418	8.30E-03	1.78E-04	1.89E-09	2.57E-05	2.59E-04	7.51E-05	6.89E-04	6.55E-04	8.87E-03
3505	473863.09	3849877.25	0.00179	0.00475	0.00082	0.00107	0.00126	0.00118	0.0048	0.00475	8.59E-03	2.02E-04	1.97E-09	2.59E-05	2.72E-04	7.63E-05	7.83E-04	7.44E-04	9.21E-03
3506	474363.09	3849877.25	0.00185	0.00552	0.00085	0.00108	0.00133	0.00119	0.00556	0.00552	8.88E-03	2.35E-04	2.04E-09	2.62E-05	2.87E-04	7.70E-05	9.08E-04	8.65E-04	9.55E-03
3507	474863.09	3849877.25	0.00192	0.00647	0.00087	0.00111	0.00139	0.0012	0.00652	0.00647	9.21E-03	2.75E-04	2.09E-09	2.69E-05	3.00E-04	7.76E-05	1.06E-03	1.01E-03	9.94E-03
3508	475363.09	3849877.25	0.00203	0.00775	0.00085	0.00115	0.00143	0.00122	0.00784	0.00775	9.74E-03	3.30E-04	2.04E-09	2.79E-05	3.08E-04	7.89E-05	1.28E-03	1.21E-03	1.06E-02
3509	475863.09	3849877.25	0.00235	0.00946	0.00079	0.00118	0.00145	0.00125	0.00959	0.00946	1.13E-02	4.03E-04	1.89E-09	2.86E-05	3.13E-04	8.09E-05	1.57E-03	1.48E-03	1.22E-02
3510	476363.09	3849877.25	0.00279	0.01208	0.00074	0.00118	0.00144	0.00127	0.01223	0.01208	1.34E-02	5.14E-04	1.77E-09	2.86E-05	3.11E-04	8.22E-05	2.00E-03	1.89E-03	1.44E-02
3511	476863.09	3849877.25	0.00357	0.01794	0.00079	0.00116	0.0014	0.00128	0.01811	0.01794	1.71E-02	7.63E-04	1.89E-09	2.81E-05	3.02E-04	8.28E-05	2.96E-03	2.81E-03	1.85E-02
3512	477363.09	3849877.25	0.00687	0.04237	0.00086	0.00114	0.00135	0.00124	0.04287	0.04237	3.30E-02	1.80E-03	2.06E-09	2.76E-05	2.91E-04	8.02E-05	7.00E-03	6.64E-03	3.55E-02
3513	477863.09	3849877.25	0.03038	0.20415	0.00081	0.00115	0.00132	0.00119	0.20276	0.20415	1.46E-01	8.69E-03	1.94E-09	2.79E-05	2.85E-04	7.70E-05	3.31E-02	3.20E-02	1.56E-01
3514	478363.09	3849877.25	0.01069	0.05569	0.00074	0.00122	0.00138	0.00124	0.05588	0.05569	5.13E-02	2.37E-03	1.77E-09	2.96E-05	2.98E-04	8.02E-05	9.12E-03	8.72E-03	5.45E-02
3515	478863.09	3849877.25	0.00717	0.03344	0.00072	0.00122	0.00147	0.00132	0.03359	0.03344	3.44E-02	1.42E-03	1.73E-09	2.96E-05	3.17E-04	8.54E-05	5.48E-03	5.24E-03	3.65E-02
3516	479363.09	3849877.25	0.00594	0.02296	0.0007	0.00112	0.00144	0.00122	0.02306	0.02296	2.85E-02	9.77E-04	1.68E-09	2.71E-05	3.11E-04	7.89E-05	3.76E-03	3.60E-03	3.01E-02
3517	479863.09	3849877.25	0.00515	0.01827	0.00071	0.00113	0.00129	0.0012	0.01841	0.01827	2.47E-02	7.77E-04	1.70E-09	2.74E-05	2.78E-04	7.76E-05	3.01E-03	2.86E-03	2.60E-02
3518	480363.09	3849877.25	0.00458	0.01396	0.00072	0.00109	0.00117	0.00118	0.01409	0.01396	2.20E-02	5.94E-04	1.73E-09	2.64E-05	2.52E-04	7.63E-05	2.30E-03	2.19E-03	2.30E-02
3519	480863.09	3849877.25	0.00405	0.01133	0.0007	0.0011	0.00125	0.00115	0.01146	0.01133	1.94E-02	4.82E-04	1.68E-09	2.66E-05	2.70E-04	7.44E-05	1.87E-03	1.77E-03	2.04E-02
3520	481363.09	3849877.25	0.00367	0.0097	0.00074	0.00108	0.00148	0.00117	0.00977	0.0097	1.76E-02	4.13E-04	1.77E-09	2.62E-05	3.19E-04	7.57E-05	1.59E-03	1.52E-03	1.85E-02
3521	481863.09	3849877.25	0.00304	0.00751	0.00077	0.00099	0.00121	0.0011	0.00756	0.00751	1.46E-02	3.20E-04	1.85E-09	2.40E-05	2.61E-04	7.12E-05	1.23E-03	1.18E-03	1.53E-02
3522	482363.09	3849877.25	0.00268	0.00643	0.00072	0.00098	0.00108	0.00107	0.0065	0.00643	1.29E-02	2.74E-04	1.73E-09	2.37E-05	2.33E-04	6.92E-05	1.06E-03	1.01E-03	1.35E-02
3523	482863.09	3849877.25	0.00242	0.0057	0.00072	0.00096	0.00105	0.00106	0.00576	0.0057	1.16E-02	2.43E-04	1.73E-09	2.33E-05	2.26E-04	6.86E-05	9.40E-04	8.93E-04	1.22E-02
3524	483363.09	3849877.25	0.00219	0.00506	0.00069	0.00094	0.00106	0.00105	0.00512	0.00506	1.05E-02	2.15E-04	1.65E-09	2.28E-05	2.29E-04	6.79E-05	8.36E-04	7.93E-04	1.11E-02
3525	483863.09	3849877.25	0.00213	0.00481	0.00068	0.00094	0.0011	0.00105	0.00488	0.00481	1.02E-02	2.05E-04	1.63E-09	2.28E-05	2.37E-04	6.79E-05	7.97E-04	7.53E-04	1.08E-02
3526	484363.09	3849877.25	0.00241	0.00527	0.00075	0.00101	0.00117	0.00114	0.00535	0.00527	1.16E-02	2.24E-04	1.80E-09	2.45E-05	2.52E-04	7.38E-05	8.73E-04	8.26E-04	1.22E-02
3527	484863.09	3849877.25	0.00267	0.00561	0.0008	0.0011	0.00138	0.00119	0.00571	0.00561	1.28E-02	2.39E-04	1.92E-09	2.66E-05	2.98E-04	7.70E-05	9.32E-04	8.79E-04	1.35E-02
3528	485363.09	3849877.25	0.00254	0.00522	0.00077	0.00108	0.00159	0.00116	0.00531	0.00522	1.22E-02	2.22E-04	1.85E-09	2.62E-05	3.43E-04	7.51E-05	8.67E-04	8.18E-04	1.29E-02
3529	485863.09	3849877.25	0.00231	0.00474	0.00074	0.00104	0.00146	0.0011	0.00481	0.00474	1.11E-02	2.02E-04	1.77E-09	2.52E-05	3.15E-04	7.12E-05	7.85E-04	7.43E-04	1.17E-02
3530	486363.09	3849877.25	0.00217	0.00444	0.00076	0.00103	0.00124	0.00109	0.0045	0.00444	1.04E-02	1.89E-04	1.82E-09	2.50E-05	2.67E-04	7.05E-05	7.35E-04	6.96E-04	1.10E-02

3531	486863.09	3849877.25	0.00222	0.00443	0.00079	0.00106	0.00109	0.00114	0.00449	0.00443	1.07E-02	1.88E-04	1.89E-09	2.57E-05	2.35E-04	7.38E-05	7.33E-04	6.94E-04	1.12E-02
3532	487363.09	3849877.25	0.00219	0.00425	0.00081	0.00106	0.00108	0.00115	0.00431	0.00425	1.05E-02	1.81E-04	1.94E-09	2.57E-05	2.33E-04	7.44E-05	7.04E-04	6.66E-04	1.11E-02
3533	487863.09	3849877.25	0.00215	0.00405	0.00084	0.00106	0.00113	0.00115	0.00411	0.00405	1.03E-02	1.72E-04	2.01E-09	2.57E-05	2.44E-04	7.44E-05	6.71E-04	6.34E-04	1.09E-02
3534	488363.09	3849877.25	0.00214	0.00388	0.00084	0.00107	0.00115	0.00117	0.00395	0.00388	1.03E-02	1.65E-04	2.01E-09	2.59E-05	2.48E-04	7.57E-05	6.45E-04	6.08E-04	1.08E-02
3535	488863.09	3849877.25	0.00214	0.00374	0.00082	0.0011	0.0011	0.00119	0.00381	0.00374	1.03E-02	1.59E-04	1.97E-09	2.66E-05	2.37E-04	7.70E-05	6.22E-04	5.86E-04	1.08E-02
3536	489363.09	3849877.25	0.00214	0.00358	0.00084	0.00111	0.00114	0.00121	0.00365	0.00358	1.03E-02	1.52E-04	2.01E-09	2.69E-05	2.46E-04	7.83E-05	5.96E-04	5.61E-04	1.08E-02
3537	489863.09	3849877.25	0.00212	0.0034	0.00088	0.00111	0.00125	0.00122	0.00347	0.0034	1.02E-02	1.45E-04	2.11E-09	2.69E-05	2.70E-04	7.89E-05	5.66E-04	5.33E-04	1.07E-02
3538	490363.09	3849877.25	0.00209	0.00322	0.00092	0.00109	0.00124	0.00122	0.00328	0.00322	1.00E-02	1.37E-04	2.21E-09	2.64E-05	2.67E-04	7.89E-05	5.35E-04	5.04E-04	1.06E-02
3539	490863.09	3849877.25	0.00208	0.00307	0.00094	0.00109	0.00118	0.00124	0.00313	0.00307	9.98E-03	1.31E-04	2.25E-09	2.64E-05	2.54E-04	8.02E-05	5.11E-04	4.81E-04	1.05E-02
3540	491363.09	3849877.25	0.00208	0.00294	0.00097	0.0011	0.00113	0.00126	0.00299	0.00294	9.98E-03	1.25E-04	2.33E-09	2.66E-05	2.44E-04	8.15E-05	4.88E-04	4.61E-04	1.05E-02
3541	491863.09	3849877.25	0.00202	0.00275	0.00099	0.00111	0.00112	0.00127	0.0028	0.00275	9.69E-03	1.17E-04	2.37E-09	2.69E-05	2.42E-04	8.22E-05	4.57E-04	4.31E-04	1.02E-02
3542	492363.09	3849877.25	0.00198	0.00259	0.00101	0.00113	0.0011	0.00127	0.00264	0.00259	9.50E-03	1.10E-04	2.42E-09	2.74E-05	2.37E-04	8.22E-05	4.31E-04	4.06E-04	9.98E-03
3543	492863.09	3849877.25	0.00194	0.00241	0.00103	0.00112	0.00112	0.00127	0.00247	0.00241	9.31E-03	1.03E-04	2.47E-09	2.71E-05	2.42E-04	8.22E-05	4.03E-04	3.78E-04	9.79E-03
3544	493363.09	3849877.25	0.00192	0.00224	0.00106	0.00112	0.00118	0.00127	0.00229	0.00224	9.21E-03	9.53E-05	2.54E-09	2.71E-05	2.54E-04	8.22E-05	3.74E-04	3.51E-04	9.70E-03
3545	493863.09	3849877.25	0.00192	0.00214	0.00109	0.00113	0.00125	0.00128	0.00218	0.00214	9.21E-03	9.11E-05	2.61E-09	2.74E-05	2.70E-04	8.28E-05	3.56E-04	3.35E-04	9.71E-03
3546	494363.09	3849877.25	0.00207	0.00228	0.00116	0.0012	0.00136	0.00137	0.00234	0.00228	9.93E-03	9.70E-05	2.78E-09	2.91E-05	2.93E-04	8.86E-05	3.82E-04	3.57E-04	1.05E-02
3547	494863.09	3849877.25	0.0022	0.00235	0.00123	0.00126	0.00147	0.00145	0.00241	0.00235	1.06E-02	1.00E-04	2.95E-09	3.05E-05	3.17E-04	9.38E-05	3.93E-04	3.68E-04	1.11E-02
3548	495363.09	3849877.25	0.00213	0.00216	0.00122	0.00123	0.00145	0.00141	0.00222	0.00216	1.02E-02	9.19E-05	2.93E-09	2.98E-05	3.13E-04	9.12E-05	3.62E-04	3.38E-04	1.08E-02
3549	495863.09	3849877.25	0.00226	0.00226	0.00127	0.00129	0.00149	0.00149	0.00232	0.00226	1.08E-02	9.62E-05	3.05E-09	3.13E-05	3.21E-04	9.64E-05	3.79E-04	3.54E-04	1.14E-02
3550	496363.09	3849877.25	0.00234	0.00226	0.0013	0.00133	0.00151	0.00153	0.00232	0.00226	1.12E-02	9.62E-05	3.12E-09	3.22E-05	3.26E-04	9.90E-05	3.79E-04	3.54E-04	1.18E-02
3551	496863.09	3849877.25	0.0024	0.00225	0.00132	0.00137	0.00159	0.00156	0.00231	0.00225	1.15E-02	9.57E-05	3.17E-09	3.32E-05	3.43E-04	1.01E-04	3.77E-04	3.52E-04	1.21E-02
3552	497363.09	3849877.25	0.00261	0.00237	0.00138	0.00148	0.0017	0.00165	0.00245	0.00237	1.25E-02	1.01E-04	3.31E-09	3.59E-05	3.67E-04	1.07E-04	4.00E-04	3.71E-04	1.32E-02
3553	497863.09	3849877.25	0.0027	0.00238	0.00141	0.00155	0.00179	0.00171	0.00247	0.00238	1.30E-02	1.01E-04	3.38E-09	3.76E-05	3.86E-04	1.11E-04	4.03E-04	3.73E-04	1.36E-02
3554	498363.09	3849877.25	0.00267	0.00231	0.00143	0.00158	0.00185	0.00171	0.00239	0.00231	1.28E-02	9.83E-05	3.43E-09	3.83E-05	3.99E-04	1.11E-04	3.90E-04	3.62E-04	1.35E-02
3555	471363.09	3850377.25	0.00148	0.00192	0.00065	0.00095	0.00132	0.00103	0.00196	0.00192	7.10E-03	8.17E-05	1.56E-09	2.30E-05	2.85E-04	6.66E-05	3.20E-04	3.01E-04	7.58E-03
3556	471863.09	3850377.25	0.00158	0.00246	0.0007	0.001	0.00138	0.00108	0.0025	0.00246	7.58E-03	1.05E-04	1.68E-09	2.42E-05	2.98E-04	6.99E-05	4.08E-04	3.85E-04	8.10E-03
3557	472363.09	3850377.25	0.00164	0.0028	0.00073	0.00103	0.00137	0.00112	0.00285	0.0028	7.87E-03	1.19E-04	1.75E-09	2.50E-05	2.95E-04	7.25E-05	4.65E-04	4.39E-04	8.41E-03
3558	472863.09	3850377.25	0.00171	0.00325	0.00079	0.00107	0.00133	0.00118	0.0033	0.00325	8.21E-03	1.38E-04	1.89E-09	2.59E-05	2.87E-04	7.63E-05	5.39E-04	5.09E-04	8.76E-03
3559	473363.09	3850377.25	0.00176	0.00356	0.00081	0.0011	0.00128	0.00121	0.0036	0.00356	8.45E-03	1.51E-04	1.94E-09	2.66E-05	2.76E-04	7.83E-05	5.88E-04	5.58E-04	9.01E-03
3560	473863.09	3850377.25	0.0018	0.00393	0.00084	0.00114	0.00127	0.00124	0.00398	0.00393	8.64E-03	1.67E-04	2.01E-09	2.76E-05	2.74E-04	8.02E-05	6.50E-04	6.16E-04	9.22E-03
3561	474363.09	3850377.25	0.00186	0.00435	0.00087	0.00116	0.00131	0.00127	0.0044	0.00435	8.93E-03	1.85E-04	2.09E-09	2.81E-05	2.83E-04	8.22E-05	7.18E-04	6.81E-04	9.54E-03
3562	474863.09	3850377.25	0.00191	0.00484	0.00091	0.00118	0.00137	0.0013	0.00489	0.00484	9.17E-03	2.06E-04	2.18E-09	2.86E-05	2.95E-04	8.41E-05	7.98E-04	7.58E-04	9.82E-03
3563	475363.09	3850377.25	0.00199	0.00542	0.00095	0.00119	0.00145	0.0013	0.00546	0.00542	9.55E-03	2.31E-04	2.28E-09	2.88E-05	3.13E-04	8.41E-05	8.91E-04	8.49E-04	1.02E-02
3564	475863.09	3850377.25	0.00215	0.00624	0.00095	0.00122	0.00152	0.00131	0.0063	0.00624	1.03E-02	2.66E-04	2.28E-09	2.96E-05	3.28E-04	8.48E-05	1.03E-03	9.78E-04	1.11E-02
3565	476363.09	3850377.25	0.00238	0.00724	0.0009	0.00127	0.00156	0.00134	0.00734	0.00724	1.14E-02	3.08E-04	2.16E-09	3.08E-05	3.36E-04	8.67E-05	1.20E-03	1.13E-03	1.22E-02
3566	476863.09	3850377.25	0.00266	0.00872	0.00083	0.00129	0.00157	0.00137	0.00886	0.00872	1.28E-02	3.71E-04	1.99E-09	3.13E-05	3.39E-04	8.86E-05	1.45E-03	1.37E-03	1.37E-02
3567	477363.09	3850377.25	0.00307	0.01126	0.00085	0.00128	0.00153	0.0014	0.01142	0.01126	1.47E-02	4.79E-04	2.04E-09	3.10E-05	3.30E-04	9.06E-05	1.86E-03	1.76E-03	1.58E-02
3568	477863.09	3850377.25	0.00397	0.01688	0.00093	0.00125	0.00149	0.00136	0.01708	0.01688	1.91E-02	7.18E-04	2.23E-09	3.03E-05	3.21E-04	8.80E-05	2.79E-03	2.64E-03	2.04E-02
3569	478363.09	3850377.25	0.00761	0.03968	0.0009	0.00124	0.00143	0.0013	0.04054	0.03968	3.65E-02	1.69E-03	2.16E-09	3.00E-05	3.08E-04	8.41E-05	6.62E-03	6.22E-03	3.90E-02
3570	478863.09	3850377.25	0.04569	0.23319	0.00083	0.00133	0.00148	0.00138	0.22704	0.23319	2.19E-01	9.92E-03	1.99E-09	3.22E-05	3.19E-04	8.93E-05	3.71E-02	3.65E-02	2.30E-01
3571	479363.09	3850377.25	0.01904	0.05869	0.0008	0.00136	0.00156	0.00147	0.05849	0.05869	9.14E-02	2.50E-03	1.92E-09	3.29E-05	3.36E-04	9.51E-05	9.55E-03	9.19E-03	9.47E-02
3572	479863.09	3850377.25	0.01192	0.03246	0.00078	0.00127	0.00157	0.00136	0.03249	0.03246	5.72E-02	1.38E-03	1.87E-09	3.08E-05	3.39E-04	8.80E-05	5.30E-03	5.08E-03	5.93E-02
3573	480363.09	3850377.25	0.00882	0.02237	0.00082	0.00124	0.00142	0.00134	0.02247	0.02237	4.23E-02	9.52E-04	1.97E-09	3.00E-05	3.06E-04	8.67E-05	3.67E-03	3.50E-03	4.39E-02
3574	480863.09	3850377.25	0.00689	0.01775	0.00084	0.00124	0.00129	0.00135	0.01788	0.01775	3.31E-02	7.55E-04	2.01E-09	3.00E-05	2.78E-04	8.73E-05	2.92E-03	2.78E-03	3.44E-02
3575	481363.09	3850377.25	0.00523	0.01228	0.00079	0.00122	0.00137	0.00128	0.01241	0.01228	2.51E-02	5.22E-04	1.89E-09	2.96E-05	2.95E-04	8.28E-05	2.03E-03	1.92E-03	2.61E-02
3576	481863.09	3850377.25	0.00463	0.01053	0.00088	0.00119	0.00161	0.00131	0.01061	0.01053	2.22E-02	4.48E-04	2.11E-09	2.88E-05	3.47E-04	8.48E-05	1.73E-03	1.65E-03	2.32E-02
3577	482363.09	3850377.25	0.00416	0.00906	0.00086	0.0012	0.00136	0.00128	0.00917	0.00906	2.00E-02	3.85E-04	2.06E-09	2.91E-05	2.93E-04	8.28E-05	1.50E-03	1.42E-03	2.08E-02
3578	482863.09	3850377.25	0.00325	0.00721	0.00081	0.00111	0.00116	0.0012	0.00731	0.00721	1.56E-02	3.07E-04	1.94E-09	2.69E-05	2.50E-04	7.76E-05	1.19E-03	1.13E-03	1.63E-02
3579	483363.09	3850377.25	0.00277	0.00616	0.00079	0.00107	0.00114	0.00118	0.00625	0.00616	1.33E-02	2.62E-04	1.89E-09	2.59E-05	2.46E-04	7.63E-05	1.02E-03	9.65E-04	1.40E-02
3580	483863.09	3850377.25	0.00277	0.006	0.00077	0.00111	0.00122	0.00122	0.0061	0.006	1.33E-02	2.55E-04	1.85E-09	2.69E-05	2.63E-04	7.89E-05	9.96E-04	9.40E-04	1.40E-02
3581	484363.09	3850377.25	0.00291	0.00607	0.00084	0.00116	0.00134	0.00127	0.00618	0.00607	1.40E-02	2.58E-04	2.01E-09	2.81E-05	2.89E-04	8.22E-05	1.01E-03	9.51E-04	1.47E-02
3582	484863.09	3850377.25	0.00303	0.00613	0.00086	0.00122	0.0014	0.00132	0.00625	0.00613	1.45E-02	2.61E-04	2.06E-09	2.96E-05	3.02E-04	8.54E-05	1.02E-03	9.60E-04	1.53E-02
3583	485363.09	3850377.25	0.00295	0.00579	0.00085	0.00123	0.00167	0.0013	0.0059	0.00579	1.42E-02	2.46E-04	2.04E-09	2.98E-05	3.60E-04	8.41E-05	9.63E-04	9.07E-04	1.49E-02
3584	485863.09	3850377.25	0.00276	0.00532	0.00086	0.00119	0.00177	0.00126	0.00541	0.00532	1.32E-02	2.26E-04	2.06E-09	2.88E-05	3.82E-04	8.15E-05	8.83E-04	8.33E-04	1.40E-02
3585	486363.09	3850377.25	0.00267	0.00506	0.00085	0.00121	0.0016	0.00128	0.00514	0.00506	1.28E-02	2.15E-04	2.04E-09	2.93E-05	3.45E-04	8.28E-05	8.39E-04	7.93E-04	1.35E-02
3586	486863.09	3850377.25	0.0026	0.00482	0.00088	0.00122	0.00126	0.00129	0.0049	0.00482	1.25E-02	2.05E-04	2.11E-09	2.96E-05	2.72E-04	8.35E-05	8.00E-04	7.55E-04	1.31E-02
3587	487363.09	3850377.25	0.0025	0.00453	0.00095	0.0012	0.00118	0.00129	0.0046	0.00453	1.20E-02	1.93E-04	2.28E-09	2.91E-05	2.54E-04	8.35E-05	7.51E-04	7.10E-04	1.26E-02

3588	487863.09	3850377.25	0.00247	0.00433	0.00097	0.00121	0.00129	0.00131	0.00441	0.00433	1.19E-02	1.84E-04	2.33E-09	2.93E-05	2.78E-04	8.48E-05	7.20E-04	6.78E-04	1.25E-02
3589	488363.09	3850377.25	0.00244	0.00413	0.00092	0.00122	0.00123	0.00133	0.00421	0.00413	1.17E-02	1.76E-04	2.21E-09	2.96E-05	2.65E-04	8.61E-05	6.87E-04	6.47E-04	1.23E-02
3590	488863.09	3850377.25	0.00244	0.00396	0.00094	0.00125	0.00119	0.00136	0.00404	0.00396	1.17E-02	1.68E-04	2.25E-09	3.03E-05	2.57E-04	8.80E-05	6.59E-04	6.20E-04	1.23E-02
3591	489363.09	3850377.25	0.00244	0.00378	0.00099	0.00126	0.00127	0.00138	0.00386	0.00378	1.17E-02	1.61E-04	2.37E-09	3.05E-05	2.74E-04	8.93E-05	6.30E-04	5.92E-04	1.23E-02
3592	489863.09	3850377.25	0.00241	0.00357	0.00105	0.00126	0.00138	0.00139	0.00364	0.00357	1.16E-02	1.52E-04	2.52E-09	3.05E-05	2.98E-04	8.99E-05	5.94E-04	5.59E-04	1.22E-02
3593	490363.09	3850377.25	0.00238	0.00338	0.0011	0.00125	0.00137	0.00142	0.00346	0.00338	1.14E-02	1.44E-04	2.64E-09	3.03E-05	2.95E-04	9.19E-05	5.65E-04	5.29E-04	1.20E-02
3594	490863.09	3850377.25	0.00237	0.00323	0.00111	0.00127	0.00127	0.00144	0.0033	0.00323	1.14E-02	1.37E-04	2.66E-09	3.08E-05	2.74E-04	9.32E-05	5.39E-04	5.06E-04	1.19E-02
3595	491363.09	3850377.25	0.00237	0.00307	0.00112	0.00128	0.00128	0.00146	0.00314	0.00307	1.14E-02	1.31E-04	2.69E-09	3.10E-05	2.76E-04	9.45E-05	5.13E-04	4.81E-04	1.19E-02
3596	491863.09	3850377.25	0.00232	0.00286	0.00115	0.00129	0.00121	0.00146	0.00293	0.00286	1.11E-02	1.22E-04	2.76E-09	3.13E-05	2.61E-04	9.45E-05	4.78E-04	4.48E-04	1.17E-02
3597	492363.09	3850377.25	0.00224	0.00266	0.00119	0.00129	0.00121	0.00146	0.00273	0.00266	1.07E-02	1.13E-04	2.85E-09	3.13E-05	2.61E-04	9.45E-05	4.46E-04	4.17E-04	1.13E-02
3598	492863.09	3850377.25	0.00222	0.00253	0.00123	0.00129	0.00128	0.00147	0.00259	0.00253	1.07E-02	1.08E-04	2.95E-09	3.13E-05	2.76E-04	9.51E-05	4.23E-04	3.96E-04	1.12E-02
3599	493363.09	3850377.25	0.0022	0.00237	0.00125	0.00129	0.00135	0.00146	0.00243	0.00237	1.06E-02	1.01E-04	3.00E-09	3.13E-05	2.91E-04	9.45E-05	3.97E-04	3.71E-04	1.11E-02
3600	493863.09	3850377.25	0.00229	0.0024	0.0013	0.00134	0.00149	0.00152	0.00246	0.0024	1.10E-02	1.02E-04	3.12E-09	3.25E-05	3.21E-04	9.83E-05	4.02E-04	3.76E-04	1.16E-02
3601	494363.09	3850377.25	0.00237	0.00239	0.00135	0.00138	0.00157	0.00158	0.00246	0.00239	1.14E-02	1.02E-04	3.24E-09	3.34E-05	3.39E-04	1.02E-04	4.02E-04	3.74E-04	1.20E-02
3602	494863.09	3850377.25	0.00251	0.00245	0.00141	0.00143	0.00165	0.00166	0.00252	0.00245	1.20E-02	1.04E-04	3.38E-09	3.46E-05	3.56E-04	1.07E-04	4.11E-04	3.84E-04	1.27E-02
3603	495363.09	3850377.25	0.00268	0.00251	0.00145	0.0015	0.00169	0.00173	0.0026	0.00251	1.29E-02	1.07E-04	3.48E-09	3.63E-05	3.64E-04	1.12E-04	4.24E-04	3.93E-04	1.35E-02
3604	495863.09	3850377.25	0.00263	0.0024	0.00145	0.0015	0.00168	0.00172	0.00248	0.0024	1.26E-02	1.02E-04	3.48E-09	3.63E-05	3.62E-04	1.11E-04	4.05E-04	3.76E-04	1.33E-02
3605	496363.09	3850377.25	0.0028	0.00246	0.00149	0.00157	0.00177	0.00178	0.00255	0.00246	1.34E-02	1.05E-04	3.57E-09	3.80E-05	3.82E-04	1.15E-04	4.16E-04	3.85E-04	1.41E-02
3606	496863.09	3850377.25	0.00294	0.00251	0.00154	0.00166	0.00188	0.00185	0.00261	0.00251	1.41E-02	1.07E-04	3.69E-09	4.02E-05	4.05E-04	1.20E-04	4.26E-04	3.93E-04	1.48E-02
3607	497363.09	3850377.25	0.003	0.0025	0.00158	0.00173	0.00196	0.00189	0.0026	0.0025	1.44E-02	1.06E-04	3.79E-09	4.19E-05	4.23E-04	1.22E-04	4.24E-04	3.92E-04	1.51E-02
3608	497863.09	3850377.25	0.003	0.00244	0.00161	0.00177	0.00205	0.00191	0.00254	0.00244	1.44E-02	1.04E-04	3.86E-09	4.29E-05	4.42E-04	1.24E-04	4.15E-04	3.82E-04	1.51E-02
3609	498363.09	3850377.25	0.003	0.00239	0.00163	0.0018	0.00213	0.00192	0.00248	0.00239	1.44E-02	1.02E-04	3.91E-09	4.36E-05	4.59E-04	1.24E-04	4.05E-04	3.74E-04	1.52E-02
3610	471363.09	3850877.25	0.0016	0.00199	0.00069	0.00102	0.00134	0.00112	0.00202	0.00199	7.68E-03	8.47E-05	1.65E-09	2.47E-05	2.89E-04	7.25E-05	3.30E-04	3.12E-04	8.17E-03
3611	471863.09	3850877.25	0.00165	0.00221	0.00072	0.00104	0.0014	0.00114	0.00225	0.00221	7.92E-03	9.40E-05	1.73E-09	2.52E-05	3.02E-04	7.38E-05	3.67E-04	3.46E-04	8.43E-03
3612	472363.09	3850877.25	0.0017	0.00252	0.00076	0.00107	0.00147	0.00117	0.00256	0.00252	8.16E-03	1.07E-04	1.82E-09	2.59E-05	3.17E-04	7.57E-05	4.18E-04	3.95E-04	8.71E-03
3613	472863.09	3850877.25	0.00176	0.00284	0.00081	0.00111	0.00152	0.00121	0.00288	0.00284	8.45E-03	1.21E-04	1.94E-09	2.69E-05	3.28E-04	7.83E-05	4.70E-04	4.45E-04	9.03E-03
3614	473363.09	3850877.25	0.0018	0.00291	0.00082	0.00112	0.0015	0.00123	0.00296	0.00291	8.64E-03	1.24E-04	1.97E-09	2.71E-05	3.24E-04	7.96E-05	4.83E-04	4.56E-04	9.22E-03
3615	473863.09	3850877.25	0.00188	0.00331	0.00087	0.00116	0.00146	0.00129	0.00336	0.00331	9.02E-03	1.41E-04	2.09E-09	2.81E-05	3.15E-04	8.35E-05	5.48E-04	5.19E-04	9.62E-03
3616	474363.09	3850877.25	0.00191	0.00365	0.00091	0.00122	0.00141	0.00134	0.0037	0.00365	9.17E-03	1.55E-04	2.18E-09	2.96E-05	3.04E-04	8.67E-05	6.04E-04	5.72E-04	9.77E-03
3617	474863.09	3850877.25	0.00198	0.00399	0.00094	0.00126	0.0014	0.00137	0.00404	0.00399	9.50E-03	1.70E-04	2.25E-09	3.05E-05	3.02E-04	8.86E-05	6.59E-04	6.25E-04	1.01E-02
3618	475363.09	3850877.25	0.00204	0.00436	0.00098	0.00129	0.00143	0.00141	0.00442	0.00436	9.79E-03	1.86E-04	2.35E-09	3.13E-05	3.08E-04	9.12E-05	7.21E-04	6.83E-04	1.04E-02
3619	475863.09	3850877.25	0.00213	0.00482	0.00103	0.00131	0.00151	0.00144	0.00487	0.00482	1.02E-02	2.05E-04	2.47E-09	3.17E-05	3.26E-04	9.32E-05	7.95E-04	7.55E-04	1.09E-02
3620	476363.09	3850877.25	0.00231	0.00541	0.00107	0.00132	0.00159	0.00144	0.00546	0.00541	1.11E-02	2.30E-04	2.57E-09	3.20E-05	3.43E-04	9.32E-05	8.91E-04	8.47E-04	1.18E-02
3621	476863.09	3850877.25	0.00248	0.00606	0.00104	0.00136	0.00166	0.00146	0.00614	0.00606	1.19E-02	2.58E-04	2.49E-09	3.29E-05	3.58E-04	9.45E-05	1.00E-03	9.49E-04	1.27E-02
3622	477363.09	3850877.25	0.00267	0.00699	0.00096	0.00141	0.0017	0.0015	0.00712	0.00699	1.28E-02	2.97E-04	2.30E-09	3.42E-05	3.67E-04	9.71E-05	1.16E-03	1.09E-03	1.37E-02
3623	477863.09	3850877.25	0.00295	0.00843	0.00094	0.00142	0.00169	0.00155	0.00858	0.00843	1.42E-02	3.59E-04	2.25E-09	3.44E-05	3.64E-04	1.00E-04	1.40E-03	1.32E-03	1.51E-02
3624	478363.09	3850877.25	0.00349	0.01105	0.00103	0.00141	0.00165	0.00152	0.0112	0.01105	1.67E-02	4.70E-04	2.47E-09	3.42E-05	3.56E-04	9.83E-05	1.83E-03	1.73E-03	1.78E-02
3625	478863.09	3850877.25	0.00466	0.01623	0.00103	0.00139	0.00161	0.00147	0.01651	0.01623	2.24E-02	6.91E-04	2.47E-09	3.37E-05	3.47E-04	9.51E-05	2.69E-03	2.54E-03	2.37E-02
3626	479363.09	3850877.25	0.00832	0.03565	0.00093	0.00146	0.00162	0.00156	0.03681	0.03565	3.99E-02	1.52E-03	2.23E-09	3.54E-05	3.49E-04	1.01E-04	6.01E-03	5.58E-03	4.24E-02
3627	479863.09	3850877.25	0.05374	0.27985	0.00089	0.00151	0.00168	0.00163	0.26684	0.27985	2.58E-01	1.19E-02	2.13E-09	3.66E-05	3.62E-04	1.05E-04	4.36E-02	4.38E-02	2.70E-01
3628	480363.09	3850877.25	0.0157	0.06011	0.00091	0.00146	0.00169	0.00157	0.0601	0.06011	7.53E-02	2.56E-03	2.18E-09	3.54E-05	3.64E-04	1.02E-04	9.81E-03	9.42E-03	7.88E-02
3629	480863.09	3850877.25	0.00969	0.03295	0.00102	0.00143	0.00158	0.0016	0.03312	0.03295	4.65E-02	1.40E-03	2.45E-09	3.46E-05	3.41E-04	1.04E-04	5.41E-03	5.16E-03	4.86E-02
3630	481363.09	3850877.25	0.00747	0.02233	0.00097	0.00144	0.00144	0.00156	0.02259	0.02233	3.58E-02	9.50E-04	2.33E-09	3.49E-05	3.11E-04	1.01E-04	3.69E-03	3.50E-03	3.74E-02
3631	481863.09	3850877.25	0.0064	0.01607	0.00103	0.00149	0.00162	0.00161	0.01624	0.01607	3.07E-02	6.84E-04	2.47E-09	3.61E-05	3.49E-04	1.04E-04	2.65E-03	2.52E-03	3.20E-02
3632	482363.09	3850877.25	0.00536	0.01183	0.00102	0.00139	0.00181	0.0015	0.01198	0.01183	2.57E-02	5.03E-04	2.45E-09	3.37E-05	3.90E-04	9.71E-05	1.96E-03	1.85E-03	2.68E-02
3633	482863.09	3850877.25	0.0045	0.00955	0.00094	0.00136	0.00143	0.00144	0.0097	0.00955	2.16E-02	4.06E-04	2.25E-09	3.29E-05	3.08E-04	9.32E-05	1.58E-03	1.50E-03	2.25E-02
3634	483363.09	3850877.25	0.00368	0.00783	0.00092	0.0013	0.00126	0.00137	0.00796	0.00783	1.77E-02	3.33E-04	2.21E-09	3.15E-05	2.72E-04	8.86E-05	1.30E-03	1.23E-03	1.85E-02
3635	483863.09	3850877.25	0.00342	0.00712	0.00088	0.00129	0.00134	0.0014	0.00726	0.00712	1.64E-02	3.03E-04	2.11E-09	3.13E-05	2.89E-04	9.06E-05	1.19E-03	1.12E-03	1.72E-02
3636	484363.09	3850877.25	0.00349	0.007	0.00096	0.00135	0.00157	0.00145	0.00714	0.007	1.67E-02	2.98E-04	2.30E-09	3.27E-05	3.39E-04	9.38E-05	1.17E-03	1.10E-03	1.76E-02
3637	484863.09	3850877.25	0.00339	0.00654	0.00094	0.00135	0.00152	0.00146	0.00668	0.00654	1.63E-02	2.78E-04	2.25E-09	3.27E-05	3.28E-04	9.45E-05	1.09E-03	1.02E-03	1.71E-02
3638	485363.09	3850877.25	0.00334	0.00623	0.00096	0.00139	0.00171	0.00149	0.00637	0.00623	1.60E-02	2.65E-04	2.30E-09	3.37E-05	3.69E-04	9.64E-05	1.04E-03	9.76E-04	1.69E-02
3639	485863.09	3850877.25	0.00311	0.00562	0.00097	0.00135	0.00195	0.00146	0.00574	0.00562	1.49E-02	2.39E-04	2.33E-09	3.27E-05	4.21E-04	9.45E-05	9.37E-04	8.80E-04	1.58E-02
3640	486363.09	3850877.25	0.0031	0.00542	0.00096	0.00142	0.00191	0.00149	0.00553	0.00542	1.49E-02	2.31E-04	2.30E-09	3.44E-05	4.12E-04	9.64E-05	9.03E-04	8.49E-04	1.57E-02
3641	486863.09	3850877.25	0.003	0.00512	0.00107	0.00142	0.0015	0.00148	0.00522	0.00512	1.44E-02	2.18E-04	2.57E-09	3.44E-05	3.24E-04	9.58E-05	8.52E-04	8.02E-04	1.51E-02
3642	487363.09	3850877.25	0.00287	0.00478	0.00109	0.0014	0.00131	0.00148	0.00488	0.00478	1.38E-02	2.03E-04	2.61E-09	3.39E-05	2.83E-04	9.58E-05	7.97E-04	7.49E-04	1.44E-02
3643	487863.09	3850877.25	0.00281	0.00454	0.00107	0.0014	0.00141	0.00152	0.00464	0.00454	1.35E-02	1.93E-04	2.57E-09	3.39E-05	3.04E-04	9.83E-05	7.57E-04	7.11E-04	1.42E-02
3644	488363.09	3850877.25	0.00282	0.00433	0.00106	0.00142	0.00144	0.00155	0.00444	0.00433	1.35E-02	1.84E-04	2.54E-09	3.44E-05	3.11E-04	1.00E-04	7.25E-04	6.78E-04	1.42E-02

3645	488863.09	3850877.25	0.00281	0.00412	0.00112	0.00145	0.00132	0.00158	0.00422	0.00412	1.35E-02	1.75E-04	2.69E-09	3.51E-05	2.85E-04	1.02E-04	6.89E-04	6.45E-04	1.41E-02
3646	489363.09	3850877.25	0.00281	0.00394	0.00124	0.00147	0.00143	0.00161	0.00404	0.00394	1.35E-02	1.68E-04	2.97E-09	3.56E-05	3.08E-04	1.04E-04	6.59E-04	6.17E-04	1.41E-02
3647	489863.09	3850877.25	0.0028	0.00373	0.00129	0.00149	0.00153	0.00164	0.00384	0.00373	1.34E-02	1.59E-04	3.09E-09	3.61E-05	3.30E-04	1.06E-04	6.27E-04	5.84E-04	1.41E-02
3648	490363.09	3850877.25	0.0028	0.00357	0.00128	0.0015	0.00148	0.00168	0.00367	0.00357	1.34E-02	1.52E-04	3.07E-09	3.63E-05	3.19E-04	1.09E-04	5.99E-04	5.59E-04	1.41E-02
3649	490863.09	3850877.25	0.00279	0.0034	0.0013	0.00151	0.00142	0.00171	0.00351	0.0034	1.34E-02	1.45E-04	3.12E-09	3.66E-05	3.06E-04	1.11E-04	5.73E-04	5.33E-04	1.40E-02
3650	491363.09	3850877.25	0.00274	0.00321	0.00135	0.00152	0.00143	0.00171	0.00331	0.00321	1.31E-02	1.37E-04	3.24E-09	3.68E-05	3.08E-04	1.11E-04	5.40E-04	5.03E-04	1.38E-02
3651	491863.09	3850877.25	0.00269	0.00301	0.0014	0.00153	0.00133	0.00171	0.00311	0.00301	1.29E-02	1.28E-04	3.36E-09	3.71E-05	2.87E-04	1.11E-04	5.08E-04	4.72E-04	1.35E-02
3652	492363.09	3850877.25	0.00266	0.00283	0.00144	0.00152	0.0014	0.00171	0.00293	0.00283	1.28E-02	1.20E-04	3.45E-09	3.68E-05	3.02E-04	1.11E-04	4.78E-04	4.43E-04	1.34E-02
3653	492863.09	3850877.25	0.00263	0.0027	0.00148	0.00152	0.0015	0.00173	0.00279	0.0027	1.26E-02	1.15E-04	3.55E-09	3.68E-05	3.24E-04	1.12E-04	4.55E-04	4.23E-04	1.32E-02
3654	493363.09	3850877.25	0.00265	0.00261	0.0015	0.00154	0.00164	0.00175	0.0027	0.00261	1.27E-02	1.11E-04	3.60E-09	3.73E-05	3.54E-04	1.13E-04	4.41E-04	4.09E-04	1.34E-02
3655	493863.09	3850877.25	0.00277	0.00263	0.00155	0.00161	0.00176	0.00182	0.00273	0.00263	1.33E-02	1.12E-04	3.72E-09	3.90E-05	3.80E-04	1.18E-04	4.46E-04	4.12E-04	1.40E-02
3656	494363.09	3850877.25	0.00285	0.00259	0.00158	0.00162	0.00181	0.00186	0.00269	0.00259	1.37E-02	1.10E-04	3.79E-09	3.92E-05	3.90E-04	1.20E-04	4.39E-04	4.06E-04	1.44E-02
3657	494863.09	3850877.25	0.00301	0.00262	0.00163	0.00169	0.0019	0.00195	0.00273	0.00262	1.44E-02	1.11E-04	3.91E-09	4.09E-05	4.10E-04	1.26E-04	4.46E-04	4.10E-04	1.52E-02
3658	495363.09	3850877.25	0.00315	0.00267	0.00167	0.00176	0.00192	0.00202	0.00278	0.00267	1.51E-02	1.14E-04	4.01E-09	4.26E-05	4.14E-04	1.31E-04	4.54E-04	4.18E-04	1.59E-02
3659	495863.09	3850877.25	0.00319	0.00262	0.00169	0.00178	0.00197	0.00203	0.00273	0.00262	1.53E-02	1.11E-04	4.05E-09	4.31E-05	4.25E-04	1.31E-04	4.46E-04	4.10E-04	1.61E-02
3660	496363.09	3850877.25	0.00327	0.00261	0.00173	0.00185	0.00207	0.00206	0.00272	0.00261	1.57E-02	1.11E-04	4.15E-09	4.48E-05	4.46E-04	1.33E-04	4.44E-04	4.09E-04	1.65E-02
3661	496863.09	3850877.25	0.00339	0.00264	0.00179	0.00196	0.00219	0.00213	0.00276	0.00264	1.63E-02	1.12E-04	4.29E-09	4.75E-05	4.72E-04	1.38E-04	4.51E-04	4.14E-04	1.71E-02
3662	497363.09	3850877.25	0.0034	0.00258	0.00181	0.00201	0.0023	0.00215	0.00271	0.00258	1.63E-02	1.10E-04	4.34E-09	4.87E-05	4.96E-04	1.39E-04	4.42E-04	4.04E-04	1.71E-02
3663	497863.09	3850877.25	0.00336	0.00251	0.00183	0.00203	0.00239	0.00215	0.00263	0.00251	1.61E-02	1.07E-04	4.39E-09	4.92E-05	5.15E-04	1.39E-04	4.29E-04	3.93E-04	1.70E-02
3664	498363.09	3850877.25	0.00333	0.00244	0.00184	0.00201	0.00246	0.00214	0.00255	0.00244	1.60E-02	1.04E-04	4.41E-09	4.87E-05	5.31E-04	1.38E-04	4.16E-04	3.82E-04	1.68E-02
3665	471363.09	3851377.25	0.00169	0.00193	0.00073	0.00112	0.00138	0.0012	0.00197	0.00193	8.11E-03	8.21E-05	1.75E-09	2.71E-05	2.98E-04	7.76E-05	3.22E-04	3.02E-04	8.61E-03
3666	471863.09	3851377.25	0.00177	0.00224	0.00078	0.00118	0.00144	0.00126	0.00229	0.00224	8.49E-03	9.53E-05	1.87E-09	2.86E-05	3.11E-04	8.15E-05	3.74E-04	3.51E-04	9.03E-03
3667	472363.09	3851377.25	0.00181	0.00232	0.00079	0.00118	0.00148	0.00127	0.00236	0.00232	8.69E-03	9.87E-05	1.89E-09	2.86E-05	3.19E-04	8.22E-05	3.85E-04	3.63E-04	9.24E-03
3668	472863.09	3851377.25	0.00184	0.00242	0.0008	0.00118	0.00152	0.00128	0.00246	0.00242	8.83E-03	1.03E-04	1.92E-09	2.86E-05	3.28E-04	8.28E-05	4.02E-04	3.79E-04	9.39E-03
3669	473363.09	3851377.25	0.00185	0.00233	0.0008	0.00116	0.00157	0.00127	0.00237	0.00233	8.88E-03	9.91E-05	1.92E-09	2.81E-05	3.39E-04	8.22E-05	3.87E-04	3.65E-04	9.45E-03
3670	473863.09	3851377.25	0.00192	0.00249	0.00084	0.00118	0.00163	0.00129	0.00254	0.00249	9.21E-03	1.06E-04	2.01E-09	2.86E-05	3.52E-04	8.35E-05	4.15E-04	3.90E-04	9.81E-03
3671	474363.09	3851377.25	0.00201	0.00297	0.00091	0.00123	0.00165	0.00136	0.00302	0.00297	9.65E-03	1.26E-04	2.18E-09	2.98E-05	3.56E-04	8.80E-05	4.93E-04	4.65E-04	1.03E-02
3672	474863.09	3851377.25	0.00209	0.00339	0.00098	0.00128	0.00161	0.00143	0.00344	0.00339	1.00E-02	1.44E-04	2.35E-09	3.10E-05	3.47E-04	9.25E-05	5.62E-04	5.31E-04	1.07E-02
3673	475363.09	3851377.25	0.00215	0.00372	0.00103	0.00134	0.00156	0.00148	0.00377	0.00372	1.03E-02	1.58E-04	2.47E-09	3.25E-05	3.36E-04	9.58E-05	6.15E-04	5.83E-04	1.10E-02
3674	475863.09	3851377.25	0.00223	0.00403	0.00106	0.00139	0.00154	0.00152	0.00409	0.00403	1.07E-02	1.71E-04	2.54E-09	3.37E-05	3.32E-04	9.83E-05	6.68E-04	6.31E-04	1.14E-02
3675	476363.09	3851377.25	0.00237	0.00441	0.00111	0.00143	0.00158	0.00157	0.00448	0.00441	1.14E-02	1.88E-04	2.66E-09	3.46E-05	3.41E-04	1.02E-04	7.31E-04	6.91E-04	1.21E-02
3676	476863.09	3851377.25	0.0025	0.00485	0.00116	0.00145	0.00166	0.00159	0.0049	0.00485	1.20E-02	2.06E-04	2.78E-09	3.51E-05	3.58E-04	1.03E-04	8.00E-04	7.60E-04	1.27E-02
3677	477363.09	3851377.25	0.00259	0.00533	0.0012	0.00149	0.00176	0.00161	0.0054	0.00533	1.24E-02	2.27E-04	2.88E-09	3.61E-05	3.80E-04	1.04E-04	8.81E-04	8.35E-04	1.32E-02
3678	477863.09	3851377.25	0.00273	0.00601	0.00114	0.00153	0.00184	0.00165	0.00612	0.00601	1.31E-02	2.56E-04	2.73E-09	3.71E-05	3.97E-04	1.07E-04	9.99E-04	9.41E-04	1.40E-02
3679	478363.09	3851377.25	0.00292	0.00695	0.00106	0.00158	0.00187	0.00171	0.00711	0.00695	1.40E-02	2.96E-04	2.54E-09	3.83E-05	4.03E-04	1.11E-04	1.16E-03	1.09E-03	1.49E-02
3680	478863.09	3851377.25	0.00317	0.00843	0.00114	0.00159	0.00183	0.00173	0.00857	0.00843	1.52E-02	3.59E-04	2.73E-09	3.85E-05	3.95E-04	1.12E-04	1.40E-03	1.32E-03	1.62E-02
3681	479363.09	3851377.25	0.00353	0.01089	0.00116	0.00157	0.00178	0.00166	0.01106	0.01089	1.69E-02	4.63E-04	2.78E-09	3.80E-05	3.84E-04	1.07E-04	1.81E-03	1.71E-03	1.80E-02
3682	479863.09	3851377.25	0.00436	0.01593	0.00106	0.00161	0.00177	0.00178	0.01625	0.01593	2.09E-02	6.78E-04	2.54E-09	3.90E-05	3.82E-04	1.15E-04	2.65E-03	2.50E-03	2.23E-02
3683	480363.09	3851377.25	0.00744	0.03465	0.00103	0.0017	0.00182	0.00186	0.03518	0.03465	3.57E-02	1.47E-03	2.47E-09	4.12E-05	3.93E-04	1.20E-04	5.74E-03	5.43E-03	3.80E-02
3684	480863.09	3851377.25	0.0526	0.30558	0.00109	0.00167	0.00185	0.00184	0.31174	0.30558	2.52E-01	1.30E-02	2.61E-09	4.05E-05	3.99E-04	1.19E-04	5.09E-02	4.79E-02	2.69E-01
3685	481363.09	3851377.25	0.01417	0.0559	0.00117	0.00164	0.00176	0.00185	0.05662	0.0559	6.80E-02	2.38E-03	2.81E-09	3.97E-05	3.80E-04	1.20E-04	9.24E-03	8.76E-03	7.14E-02
3686	481863.09	3851377.25	0.00871	0.02699	0.00119	0.00172	0.00161	0.00189	0.02737	0.02699	4.18E-02	1.15E-03	2.85E-09	4.17E-05	3.47E-04	1.22E-04	4.47E-03	4.23E-03	4.37E-02
3687	482363.09	3851377.25	0.00692	0.01764	0.00128	0.00173	0.00185	0.00189	0.01783	0.01764	3.32E-02	7.51E-04	3.07E-09	4.19E-05	3.99E-04	1.22E-04	2.91E-03	2.76E-03	3.47E-02
3688	482863.09	3851377.25	0.00561	0.01216	0.00111	0.00169	0.00199	0.00174	0.01238	0.01216	2.69E-02	5.17E-04	2.66E-09	4.09E-05	4.29E-04	1.13E-04	2.02E-03	1.90E-03	2.81E-02
3689	483363.09	3851377.25	0.0045	0.0093	0.0011	0.00156	0.0015	0.00161	0.00948	0.0093	2.16E-02	3.96E-04	2.64E-09	3.78E-05	3.24E-04	1.04E-04	1.55E-03	1.46E-03	2.25E-02
3690	483863.09	3851377.25	0.00398	0.00794	0.00103	0.00151	0.00141	0.0016	0.00811	0.00794	1.91E-02	3.38E-04	2.47E-09	3.66E-05	3.04E-04	1.04E-04	1.32E-03	1.24E-03	2.00E-02
3691	484363.09	3851377.25	0.00408	0.00788	0.00107	0.00161	0.00179	0.00172	0.00807	0.00788	1.96E-02	3.35E-04	2.57E-09	3.90E-05	3.86E-04	1.11E-04	1.32E-03	1.23E-03	2.05E-02
3692	484863.09	3851377.25	0.00359	0.00657	0.001	0.00147	0.00166	0.0016	0.00671	0.00657	1.72E-02	2.80E-04	2.40E-09	3.56E-05	3.58E-04	1.04E-04	1.10E-03	1.03E-03	1.81E-02
3693	485363.09	3851377.25	0.00381	0.00669	0.00113	0.00163	0.00177	0.00179	0.00687	0.00669	1.83E-02	2.85E-04	2.71E-09	3.95E-05	3.82E-04	1.16E-04	1.12E-03	1.05E-03	1.92E-02
3694	485863.09	3851377.25	0.0036	0.00595	0.00112	0.0016	0.00211	0.00172	0.0061	0.00595	1.73E-02	2.53E-04	2.69E-09	3.88E-05	4.55E-04	1.11E-04	9.96E-04	9.32E-04	1.82E-02
3695	486363.09	3851377.25	0.00364	0.00576	0.00119	0.00169	0.00228	0.00176	0.00591	0.00576	1.75E-02	2.45E-04	2.85E-09	4.09E-05	4.92E-04	1.14E-04	9.65E-04	9.02E-04	1.84E-02
3696	486863.09	3851377.25	0.0035	0.00536	0.00123	0.00167	0.00181	0.00175	0.0055	0.00536	1.68E-02	2.28E-04	2.95E-09	4.05E-05	3.90E-04	1.13E-04	8.98E-04	8.40E-04	1.76E-02
3697	487363.09	3851377.25	0.00323	0.00482	0.00121	0.00162	0.00144	0.00172	0.00495	0.00482	1.55E-02	2.05E-04	2.90E-09	3.92E-05	3.11E-04	1.11E-04	8.08E-04	7.55E-04	1.62E-02
3698	487863.09	3851377.25	0.0033	0.0047	0.00125	0.00167	0.00156	0.0018	0.00484	0.0047	1.58E-02	2.00E-04	3.00E-09	4.05E-05	3.36E-04	1.16E-04	7.90E-04	7.36E-04	1.66E-02
3699	488363.09	3851377.25	0.00333	0.0045	0.00131	0.00169	0.00157	0.00186	0.00463	0.0045	1.60E-02	1.91E-04	3.14E-09	4.09E-05	3.39E-04	1.20E-04	7.56E-04	7.05E-04	1.67E-02
3700	488863.09	3851377.25	0.00334	0.00427	0.00147	0.00174	0.00147	0.00191	0.00441	0.00427	1.60E-02	1.82E-04	3.53E-09	4.22E-05	3.17E-04	1.24E-04	7.20E-04	6.69E-04	1.67E-02
3701	489363.09	3851377.25	0.00333	0.00407	0.00152	0.00178	0.00162	0.00195	0.00421	0.00407	1.60E-02	1.73E-04	3.65E-09	4.31E-05	3.49E-04	1.26E-04	6.87E-04	6.38E-04	1.67E-02

3702	489863.09	3851377.25	0.00331	0.00386	0.0015	0.0018	0.00169	0.00198	0.004	0.00386	1.59E-02	1.64E-04	3.60E-09	4.36E-05	3.64E-04	1.28E-04	6.53E-04	6.05E-04	1.66E-02
3703	490363.09	3851377.25	0.00331	0.00368	0.00154	0.00182	0.0016	0.00201	0.00382	0.00368	1.59E-02	1.57E-04	3.69E-09	4.41E-05	3.45E-04	1.30E-04	6.24E-04	5.76E-04	1.66E-02
3704	490863.09	3851377.25	0.00329	0.0035	0.0016	0.00182	0.00159	0.00202	0.00364	0.0035	1.58E-02	1.49E-04	3.84E-09	4.41E-05	3.43E-04	1.31E-04	5.94E-04	5.48E-04	1.65E-02
3705	491363.09	3851377.25	0.00323	0.0033	0.00167	0.00182	0.00159	0.00203	0.00345	0.0033	1.55E-02	1.40E-04	4.01E-09	4.41E-05	3.43E-04	1.31E-04	5.63E-04	5.17E-04	1.62E-02
3706	491863.09	3851377.25	0.00318	0.00313	0.00173	0.00183	0.00155	0.00202	0.00327	0.00313	1.53E-02	1.33E-04	4.15E-09	4.43E-05	3.34E-04	1.31E-04	5.34E-04	4.90E-04	1.59E-02
3707	492363.09	3851377.25	0.00318	0.003	0.00176	0.00183	0.00172	0.00204	0.00313	0.003	1.53E-02	1.28E-04	4.22E-09	4.43E-05	3.71E-04	1.32E-04	5.11E-04	4.70E-04	1.60E-02
3708	492863.09	3851377.25	0.00316	0.00285	0.00174	0.00182	0.00192	0.00205	0.00298	0.00285	1.52E-02	1.21E-04	4.17E-09	4.41E-05	4.14E-04	1.33E-04	4.86E-04	4.46E-04	1.59E-02
3709	493363.09	3851377.25	0.00299	0.00262	0.00171	0.00177	0.00189	0.002	0.00273	0.00262	1.43E-02	1.11E-04	4.10E-09	4.29E-05	4.08E-04	1.29E-04	4.46E-04	4.10E-04	1.51E-02
3710	493863.09	3851377.25	0.00312	0.00264	0.00177	0.00183	0.00197	0.00207	0.00276	0.00264	1.50E-02	1.12E-04	4.25E-09	4.43E-05	4.25E-04	1.34E-04	4.51E-04	4.14E-04	1.57E-02
3711	494363.09	3851377.25	0.00341	0.00277	0.00187	0.00193	0.0021	0.0022	0.0029	0.00277	1.64E-02	1.18E-04	4.48E-09	4.68E-05	4.53E-04	1.42E-04	4.73E-04	4.34E-04	1.72E-02
3712	494863.09	3851377.25	0.00348	0.00273	0.00189	0.00197	0.00211	0.00225	0.00287	0.00273	1.67E-02	1.16E-04	4.53E-09	4.77E-05	4.55E-04	1.46E-04	4.68E-04	4.28E-04	1.75E-02
3713	495363.09	3851377.25	0.00375	0.00283	0.00196	0.00209	0.00221	0.00236	0.00299	0.00283	1.80E-02	1.20E-04	4.70E-09	5.06E-05	4.77E-04	1.53E-04	4.88E-04	4.43E-04	1.88E-02
3714	495863.09	3851377.25	0.00384	0.00281	0.002	0.00216	0.00233	0.00239	0.00297	0.00281	1.84E-02	1.20E-04	4.80E-09	5.23E-05	5.03E-04	1.55E-04	4.85E-04	4.40E-04	1.93E-02
3715	496363.09	3851377.25	0.00388	0.00277	0.00203	0.00223	0.00248	0.00241	0.00293	0.00277	1.86E-02	1.18E-04	4.87E-09	5.40E-05	5.35E-04	1.56E-04	4.78E-04	4.34E-04	1.95E-02
3716	496863.09	3851377.25	0.00388	0.00272	0.00206	0.00229	0.00261	0.00242	0.00287	0.00272	1.86E-02	1.16E-04	4.94E-09	5.55E-05	5.63E-04	1.57E-04	4.68E-04	4.26E-04	1.96E-02
3717	497363.09	3851377.25	0.00385	0.00266	0.00211	0.00232	0.00273	0.00243	0.00281	0.00266	1.85E-02	1.13E-04	5.06E-09	5.62E-05	5.89E-04	1.57E-04	4.59E-04	4.17E-04	1.94E-02
3718	497863.09	3851377.25	0.00379	0.00259	0.00208	0.0023	0.00281	0.00241	0.00274	0.00259	1.82E-02	1.10E-04	4.99E-09	5.57E-05	6.06E-04	1.56E-04	4.47E-04	4.06E-04	1.92E-02
3719	498363.09	3851377.25	0.00369	0.00248	0.00204	0.00223	0.00287	0.00238	0.00261	0.00248	1.77E-02	1.06E-04	4.89E-09	5.40E-05	6.19E-04	1.54E-04	4.26E-04	3.88E-04	1.87E-02
3720	471363.09	3851877.25	0.0018	0.00189	0.00078	0.00115	0.00141	0.00124	0.00192	0.00189	8.64E-03	8.04E-05	1.87E-09	2.79E-05	3.04E-04	8.02E-05	3.13E-04	2.96E-04	9.15E-03
3721	471863.09	3851877.25	0.00183	0.0019	0.00079	0.00117	0.00145	0.00127	0.00194	0.0019	8.78E-03	8.08E-05	1.89E-09	2.83E-05	3.13E-04	8.22E-05	3.17E-04	2.98E-04	9.31E-03
3722	472363.09	3851877.25	0.00189	0.00207	0.00082	0.00125	0.0015	0.00133	0.00212	0.00207	9.07E-03	8.81E-05	1.97E-09	3.03E-05	3.24E-04	8.61E-05	3.46E-04	3.24E-04	9.62E-03
3723	472863.09	3851877.25	0.00195	0.00223	0.00086	0.0013	0.00155	0.00138	0.00228	0.00223	9.36E-03	9.49E-05	2.06E-09	3.15E-05	3.34E-04	8.93E-05	3.72E-04	3.49E-04	9.93E-03
3724	473363.09	3851877.25	0.00198	0.00217	0.00084	0.00129	0.00158	0.00137	0.00222	0.00217	9.50E-03	9.23E-05	2.01E-09	3.13E-05	3.41E-04	8.86E-05	3.62E-04	3.40E-04	1.01E-02
3725	473863.09	3851877.25	0.00202	0.00222	0.00086	0.0013	0.00163	0.00139	0.00228	0.00222	9.69E-03	9.45E-05	2.06E-09	3.15E-05	3.52E-04	8.99E-05	3.72E-04	3.48E-04	1.03E-02
3726	474363.09	3851877.25	0.0021	0.00252	0.00091	0.00134	0.00172	0.00144	0.00258	0.00252	1.01E-02	1.07E-04	2.18E-09	3.25E-05	3.71E-04	9.32E-05	4.21E-04	3.95E-04	1.07E-02
3727	474863.09	3851877.25	0.00219	0.00287	0.00098	0.00137	0.0018	0.0015	0.00293	0.00287	1.05E-02	1.22E-04	2.35E-09	3.32E-05	3.88E-04	9.71E-05	4.78E-04	4.50E-04	1.12E-02
3728	475363.09	3851877.25	0.00227	0.00314	0.00105	0.0014	0.00183	0.00156	0.0032	0.00314	1.09E-02	1.34E-04	2.52E-09	3.39E-05	3.95E-04	1.01E-04	5.22E-04	4.92E-04	1.16E-02
3729	475863.09	3851877.25	0.00237	0.00342	0.00111	0.00143	0.00179	0.0016	0.00347	0.00342	1.14E-02	1.46E-04	2.66E-09	3.46E-05	3.86E-04	1.04E-04	5.66E-04	5.36E-04	1.21E-02
3730	476363.09	3851877.25	0.00249	0.00357	0.00112	0.00147	0.00171	0.00161	0.00363	0.00357	1.19E-02	1.52E-04	2.69E-09	3.56E-05	3.69E-04	1.04E-04	5.93E-04	5.59E-04	1.26E-02
3731	476863.09	3851877.25	0.00259	0.00394	0.00116	0.00154	0.00167	0.00168	0.00401	0.00394	1.24E-02	1.68E-04	2.78E-09	3.73E-05	3.60E-04	1.09E-04	6.55E-04	6.17E-04	1.31E-02
3732	477363.09	3851877.25	0.00269	0.00432	0.00123	0.00159	0.00173	0.00175	0.0044	0.00432	1.29E-02	1.84E-04	2.95E-09	3.85E-05	3.73E-04	1.13E-04	7.18E-04	6.77E-04	1.37E-02
3733	477863.09	3851877.25	0.0028	0.00474	0.00131	0.00164	0.00186	0.00178	0.00482	0.00474	1.34E-02	2.02E-04	3.14E-09	3.97E-05	4.01E-04	1.15E-04	7.87E-04	7.43E-04	1.42E-02
3734	478363.09	3851877.25	0.00294	0.00516	0.00128	0.00168	0.00197	0.0018	0.00526	0.00516	1.41E-02	2.20E-04	3.07E-09	4.07E-05	4.25E-04	1.16E-04	8.59E-04	8.08E-04	1.50E-02
3735	478863.09	3851877.25	0.00302	0.00592	0.00119	0.00174	0.00206	0.00188	0.00607	0.00592	1.45E-02	2.52E-04	2.85E-09	4.22E-05	4.44E-04	1.22E-04	9.91E-04	9.27E-04	1.54E-02
3736	479363.09	3851877.25	0.00311	0.007	0.00127	0.00181	0.00206	0.00197	0.00715	0.007	1.49E-02	2.98E-04	3.05E-09	4.39E-05	4.44E-04	1.27E-04	1.17E-03	1.10E-03	1.59E-02
3737	479863.09	3851877.25	0.00333	0.00852	0.00135	0.00183	0.002	0.00194	0.00866	0.00852	1.60E-02	3.63E-04	3.24E-09	4.43E-05	4.31E-04	1.26E-04	1.41E-03	1.33E-03	1.70E-02
3738	480363.09	3851877.25	0.00381	0.01111	0.00122	0.00183	0.00195	0.00207	0.01131	0.01111	1.83E-02	4.73E-04	2.93E-09	4.43E-05	4.21E-04	1.34E-04	1.85E-03	1.74E-03	1.95E-02
3739	480863.09	3851877.25	0.00473	0.01737	0.0012	0.00196	0.00199	0.00216	0.01756	0.01737	2.27E-02	7.39E-04	2.88E-09	4.75E-05	4.29E-04	1.40E-04	2.87E-03	2.72E-03	2.42E-02
3740	481363.09	3851877.25	0.01284	0.07802	0.00137	0.00197	0.00204	0.00225	0.07916	0.07802	6.16E-02	3.32E-03	3.29E-09	4.77E-05	4.40E-04	1.46E-04	1.29E-02	1.22E-02	6.63E-02
3741	481863.09	3851877.25	0.01126	0.05392	0.00133	0.00192	0.00197	0.0022	0.05432	0.05392	5.40E-02	2.29E-03	3.19E-09	4.65E-05	4.25E-04	1.42E-04	8.87E-03	8.45E-03	5.74E-02
3742	482363.09	3851877.25	0.00802	0.02142	0.0015	0.00198	0.00176	0.00219	0.02167	0.02142	3.85E-02	9.11E-04	3.60E-09	4.80E-05	3.80E-04	1.42E-04	3.54E-03	3.36E-03	4.01E-02
3743	482863.09	3851877.25	0.00613	0.01323	0.00125	0.00191	0.002	0.00197	0.01349	0.01323	2.94E-02	5.63E-04	3.00E-09	4.63E-05	4.31E-04	1.27E-04	2.20E-03	2.07E-03	3.07E-02
3744	483363.09	3851877.25	0.00541	0.01102	0.00131	0.00198	0.00212	0.002	0.0113	0.01102	2.60E-02	4.69E-04	3.14E-09	4.80E-05	4.57E-04	1.29E-04	1.84E-03	1.73E-03	2.72E-02
3745	483863.09	3851877.25	0.00489	0.00924	0.00127	0.00192	0.00164	0.00198	0.00951	0.00924	2.35E-02	3.93E-04	3.05E-09	4.65E-05	3.54E-04	1.28E-04	1.55E-03	1.45E-03	2.45E-02
3746	484363.09	3851877.25	0.00472	0.0086	0.00122	0.00198	0.00181	0.00204	0.00887	0.0086	2.27E-02	3.66E-04	2.93E-09	4.80E-05	3.90E-04	1.32E-04	1.45E-03	1.35E-03	2.37E-02
3747	484863.09	3851877.25	0.00447	0.00757	0.00119	0.00188	0.00212	0.0021	0.0078	0.00757	2.15E-02	3.22E-04	2.85E-09	4.55E-05	4.57E-04	1.36E-04	1.27E-03	1.19E-03	2.25E-02
3748	485363.09	3851877.25	0.00443	0.00703	0.00133	0.00199	0.00197	0.00216	0.00727	0.00703	2.13E-02	2.99E-04	3.19E-09	4.82E-05	4.25E-04	1.40E-04	1.19E-03	1.10E-03	2.23E-02
3749	485863.09	3851877.25	0.00441	0.00655	0.00146	0.00206	0.00228	0.00219	0.00679	0.00655	2.12E-02	2.79E-04	3.50E-09	4.99E-05	4.92E-04	1.42E-04	1.11E-03	1.03E-03	2.22E-02
3750	486363.09	3851877.25	0.00426	0.00589	0.00142	0.00201	0.0026	0.00215	0.0061	0.00589	2.04E-02	2.51E-04	3.41E-09	4.87E-05	5.61E-04	1.39E-04	9.96E-04	9.23E-04	2.15E-02
3751	486863.09	3851877.25	0.00415	0.00551	0.0014	0.00206	0.00221	0.00216	0.00571	0.00551	1.99E-02	2.34E-04	3.36E-09	4.99E-05	4.77E-04	1.40E-04	9.32E-04	8.63E-04	2.09E-02
3752	487363.09	3851877.25	0.00404	0.00517	0.0015	0.00207	0.00168	0.0022	0.00537	0.00517	1.94E-02	2.20E-04	3.60E-09	5.01E-05	3.62E-04	1.42E-04	8.77E-04	8.10E-04	2.02E-02
3753	487863.09	3851877.25	0.00382	0.00469	0.00159	0.002	0.00172	0.0022	0.00486	0.00469	1.83E-02	2.00E-04	3.81E-09	4.85E-05	3.71E-04	1.42E-04	7.93E-04	7.35E-04	1.92E-02
3754	488363.09	3851877.25	0.00385	0.00446	0.00175	0.00203	0.00172	0.00226	0.00464	0.00446	1.85E-02	1.90E-04	4.20E-09	4.92E-05	3.71E-04	1.46E-04	7.57E-04	6.99E-04	1.93E-02
3755	488863.09	3851877.25	0.00376	0.00416	0.00176	0.00206	0.00165	0.00227	0.00434	0.00416	1.80E-02	1.77E-04	4.22E-09	4.99E-05	3.56E-04	1.47E-04	7.08E-04	6.52E-04	1.88E-02
3756	489363.09	3851877.25	0.00369	0.0039	0.00178	0.00208	0.0018	0.00228	0.00408	0.0039	1.77E-02	1.66E-04	4.27E-09	5.04E-05	3.88E-04	1.48E-04	6.66E-04	6.11E-04	1.85E-02
3757	489863.09	3851877.25	0.00367	0.0037	0.00183	0.00209	0.0018	0.0023	0.00387	0.0037	1.76E-02	1.57E-04	4.39E-09	5.06E-05	3.88E-04	1.49E-04	6.32E-04	5.80E-04	1.84E-02
3758	490363.09	3851877.25	0.00371	0.00356	0.00191	0.00212	0.00172	0.00233	0.00374	0.00356	1.78E-02	1.51E-04	4.58E-09	5.14E-05	3.71E-04	1.51E-04	6.10E-04	5.58E-04	1.86E-02

3759	490863.09	3851877.25	0.00378	0.00345	0.00201	0.00216	0.00175	0.00237	0.00364	0.00345	1.81E-02	1.47E-04	4.82E-09	5.23E-05	3.77E-04	1.53E-04	5.94E-04	5.40E-04	1.89E-02
3760	491363.09	3851877.25	0.00385	0.00337	0.00207	0.0022	0.0018	0.00241	0.00357	0.00337	1.85E-02	1.43E-04	4.96E-09	5.33E-05	3.88E-04	1.56E-04	5.83E-04	5.28E-04	1.93E-02
3761	491863.09	3851877.25	0.00389	0.00328	0.00209	0.00224	0.00199	0.00245	0.00347	0.00328	1.87E-02	1.40E-04	5.01E-09	5.43E-05	4.29E-04	1.59E-04	5.66E-04	5.14E-04	1.95E-02
3762	492363.09	3851877.25	0.00382	0.00312	0.00207	0.00221	0.00224	0.00244	0.00331	0.00312	1.83E-02	1.33E-04	4.96E-09	5.35E-05	4.83E-04	1.58E-04	5.40E-04	4.89E-04	1.92E-02
3763	492863.09	3851877.25	0.00356	0.00281	0.00203	0.00209	0.00221	0.00233	0.00297	0.00281	1.71E-02	1.20E-04	4.87E-09	5.06E-05	4.77E-04	1.51E-04	4.85E-04	4.40E-04	1.79E-02
3764	493363.09	3851877.25	0.00388	0.00296	0.00215	0.00225	0.0024	0.00248	0.00314	0.00296	1.86E-02	1.26E-04	5.16E-09	5.45E-05	5.18E-04	1.60E-04	5.13E-04	4.64E-04	1.95E-02
3765	493863.09	3851877.25	0.00424	0.0031	0.00226	0.00238	0.00243	0.00265	0.0033	0.0031	2.03E-02	1.32E-04	5.42E-09	5.77E-05	5.24E-04	1.71E-04	5.39E-04	4.86E-04	2.13E-02
3766	494363.09	3851877.25	0.00416	0.00297	0.00223	0.00235	0.00239	0.00263	0.00316	0.00297	2.00E-02	1.26E-04	5.35E-09	5.69E-05	5.15E-04	1.70E-04	5.16E-04	4.65E-04	2.09E-02
3767	494863.09	3851877.25	0.00438	0.00301	0.0023	0.00246	0.00251	0.00273	0.00322	0.00301	2.10E-02	1.28E-04	5.52E-09	5.96E-05	5.41E-04	1.77E-04	5.26E-04	4.72E-04	2.20E-02
3768	495363.09	3851877.25	0.0045	0.00301	0.00236	0.00251	0.00269	0.00278	0.00321	0.00301	2.16E-02	1.28E-04	5.66E-09	6.08E-05	5.80E-04	1.80E-04	5.24E-04	4.72E-04	2.26E-02
3769	495863.09	3851877.25	0.00455	0.00297	0.00239	0.00261	0.0029	0.00281	0.00318	0.00297	2.18E-02	1.26E-04	5.73E-09	6.32E-05	6.25E-04	1.82E-04	5.19E-04	4.65E-04	2.29E-02
3770	496363.09	3851877.25	0.0045	0.0029	0.00238	0.00264	0.00305	0.00278	0.0031	0.0029	2.16E-02	1.23E-04	5.71E-09	6.40E-05	6.58E-04	1.80E-04	5.06E-04	4.54E-04	2.27E-02
3771	496863.09	3851877.25	0.00443	0.00282	0.00238	0.00267	0.00316	0.00276	0.00301	0.00282	2.13E-02	1.20E-04	5.71E-09	6.47E-05	6.82E-04	1.79E-04	4.91E-04	4.42E-04	2.24E-02
3772	497363.09	3851877.25	0.00434	0.00274	0.00235	0.00262	0.00326	0.00274	0.00292	0.00274	2.08E-02	1.17E-04	5.64E-09	6.35E-05	7.03E-04	1.77E-04	4.77E-04	4.29E-04	2.19E-02
3773	497863.09	3851877.25	0.00416	0.00261	0.00226	0.00252	0.00335	0.00266	0.00277	0.00261	2.00E-02	1.11E-04	5.42E-09	6.11E-05	7.23E-04	1.72E-04	4.52E-04	4.09E-04	2.11E-02
3774	498363.09	3851877.25	0.00401	0.0025	0.0022	0.00246	0.00345	0.00262	0.00264	0.0025	1.92E-02	1.06E-04	5.28E-09	5.96E-05	7.44E-04	1.70E-04	4.31E-04	3.92E-04	2.04E-02
3775	471363.09	3852377.25	0.00183	0.00166	0.00078	0.00111	0.00147	0.00122	0.00168	0.00166	8.78E-03	7.06E-05	1.87E-09	2.69E-05	3.17E-04	7.89E-05	2.74E-04	2.60E-04	9.29E-03
3776	471863.09	3852377.25	0.00191	0.0018	0.00082	0.00116	0.00152	0.00127	0.00183	0.0018	9.17E-03	7.66E-05	1.97E-09	2.81E-05	3.28E-04	8.22E-05	2.99E-04	2.82E-04	9.70E-03
3777	472363.09	3852377.25	0.00197	0.00191	0.00085	0.00121	0.00154	0.00132	0.00193	0.00191	9.45E-03	8.13E-05	2.04E-09	2.93E-05	3.32E-04	8.54E-05	3.15E-04	2.99E-04	1.00E-02
3778	472863.09	3852377.25	0.00203	0.00201	0.00089	0.00128	0.00158	0.00139	0.00204	0.00201	9.74E-03	8.55E-05	2.13E-09	3.10E-05	3.41E-04	8.99E-05	3.33E-04	3.15E-04	1.03E-02
3779	473363.09	3852377.25	0.00209	0.00209	0.00094	0.00133	0.00162	0.00144	0.00212	0.00209	1.00E-02	8.89E-05	2.25E-09	3.22E-05	3.49E-04	9.32E-05	3.46E-04	3.27E-04	1.06E-02
3780	473863.09	3852377.25	0.00215	0.00213	0.00095	0.00138	0.00167	0.00148	0.00217	0.00213	1.03E-02	9.06E-05	2.28E-09	3.34E-05	3.60E-04	9.58E-05	3.54E-04	3.34E-04	1.09E-02
3781	474363.09	3852377.25	0.0022	0.00218	0.00097	0.00143	0.00172	0.00151	0.00223	0.00218	1.06E-02	9.28E-05	2.33E-09	3.46E-05	3.71E-04	9.77E-05	3.64E-04	3.41E-04	1.12E-02
3782	474863.09	3852377.25	0.00232	0.00258	0.00102	0.00151	0.00182	0.0016	0.00264	0.00258	1.11E-02	1.10E-04	2.45E-09	3.66E-05	3.93E-04	1.04E-04	4.31E-04	4.04E-04	1.18E-02
3783	475363.09	3852377.25	0.0024	0.00268	0.00104	0.00154	0.0019	0.00164	0.00276	0.00268	1.15E-02	1.14E-04	2.49E-09	3.73E-05	4.10E-04	1.06E-04	4.51E-04	4.20E-04	1.22E-02
3784	475863.09	3852377.25	0.00248	0.00279	0.00108	0.00156	0.00198	0.00168	0.00287	0.00279	1.19E-02	1.19E-04	2.59E-09	3.78E-05	4.27E-04	1.09E-04	4.68E-04	4.37E-04	1.26E-02
3785	476363.09	3852377.25	0.00257	0.00288	0.00113	0.00157	0.00202	0.00172	0.00296	0.00288	1.23E-02	1.23E-04	2.71E-09	3.80E-05	4.36E-04	1.11E-04	4.83E-04	4.51E-04	1.31E-02
3786	476863.09	3852377.25	0.00268	0.00314	0.00121	0.00161	0.002	0.00177	0.00321	0.00314	1.29E-02	1.34E-04	2.90E-09	3.90E-05	4.31E-04	1.15E-04	5.24E-04	4.92E-04	1.36E-02
3787	477363.09	3852377.25	0.0028	0.00329	0.00124	0.00165	0.00191	0.00181	0.00335	0.00329	1.34E-02	1.40E-04	2.97E-09	4.00E-05	4.12E-04	1.17E-04	5.47E-04	5.15E-04	1.42E-02
3788	477863.09	3852377.25	0.00286	0.0031	0.00119	0.00166	0.00181	0.00181	0.00318	0.0031	1.37E-02	1.32E-04	2.85E-09	4.02E-05	3.90E-04	1.17E-04	5.19E-04	4.86E-04	1.44E-02
3789	478363.09	3852377.25	0.0029	0.00306	0.00118	0.00169	0.00186	0.00183	0.00315	0.00306	1.39E-02	1.30E-04	2.83E-09	4.09E-05	4.01E-04	1.18E-04	5.14E-04	4.79E-04	1.46E-02
3790	478863.09	3852377.25	0.00313	0.00375	0.0013	0.00182	0.00207	0.00195	0.00386	0.00375	1.50E-02	1.60E-04	3.12E-09	4.41E-05	4.46E-04	1.26E-04	6.30E-04	5.87E-04	1.58E-02
3791	479363.09	3852377.25	0.00331	0.00435	0.0013	0.00191	0.00221	0.00206	0.00449	0.00435	1.59E-02	1.85E-04	3.12E-09	4.63E-05	4.77E-04	1.33E-04	7.33E-04	6.81E-04	1.68E-02
3792	479863.09	3852377.25	0.00341	0.00574	0.0014	0.00204	0.00232	0.00224	0.00592	0.00574	1.64E-02	2.44E-04	3.36E-09	4.94E-05	5.00E-04	1.45E-04	9.66E-04	8.99E-04	1.74E-02
3793	480363.09	3852377.25	0.00354	0.00745	0.00162	0.00217	0.00227	0.00236	0.00759	0.00745	1.70E-02	3.17E-04	3.89E-09	5.26E-05	4.90E-04	1.53E-04	1.24E-03	1.17E-03	1.81E-02
3794	480863.09	3852377.25	0.00393	0.00969	0.00146	0.00219	0.0022	0.00254	0.00988	0.00969	1.89E-02	4.12E-04	3.50E-09	5.31E-05	4.74E-04	1.64E-04	1.61E-03	1.52E-03	2.01E-02
3795	481363.09	3852377.25	0.00488	0.01581	0.00148	0.00233	0.00221	0.00265	0.01603	0.01581	2.34E-02	6.73E-04	3.55E-09	5.64E-05	4.77E-04	1.71E-04	2.62E-03	2.48E-03	2.49E-02
3796	481863.09	3852377.25	0.01471	0.09009	0.0017	0.00243	0.00228	0.00284	0.09157	0.09009	7.06E-02	3.83E-03	4.08E-09	5.89E-05	4.92E-04	1.84E-04	1.49E-02	1.41E-02	7.60E-02
3797	482363.09	3852377.25	0.01145	0.05024	0.00194	0.00246	0.00223	0.00303	0.05052	0.05024	5.49E-02	2.14E-03	4.65E-09	5.96E-05	4.81E-04	1.96E-04	8.25E-03	7.87E-03	5.82E-02
3798	482863.09	3852377.25	0.00774	0.02127	0.002	0.00268	0.00206	0.00286	0.02177	0.02127	3.71E-02	9.05E-04	4.80E-09	6.49E-05	4.44E-04	1.85E-04	3.55E-03	3.33E-03	3.90E-02
3799	483363.09	3852377.25	0.00666	0.01305	0.00158	0.00257	0.00241	0.00257	0.01347	0.01305	3.20E-02	5.55E-04	3.79E-09	6.23E-05	5.20E-04	1.66E-04	2.20E-03	2.04E-03	3.34E-02
3800	483863.09	3852377.25	0.00585	0.01005	0.0016	0.00235	0.00227	0.00241	0.0104	0.01005	2.81E-02	4.28E-04	3.84E-09	5.69E-05	4.90E-04	1.56E-04	1.70E-03	1.57E-03	2.93E-02
3801	484363.09	3852377.25	0.00567	0.00919	0.00143	0.00246	0.00187	0.00265	0.00956	0.00919	2.72E-02	3.91E-04	3.43E-09	5.96E-05	4.03E-04	1.71E-04	1.56E-03	1.44E-03	2.84E-02
3802	484863.09	3852377.25	0.00554	0.0084	0.00147	0.00259	0.00241	0.00278	0.00877	0.0084	2.66E-02	3.57E-04	3.53E-09	6.27E-05	5.20E-04	1.80E-04	1.43E-03	1.32E-03	2.78E-02
3803	485363.09	3852377.25	0.00548	0.00773	0.00176	0.00266	0.00253	0.00292	0.00811	0.00773	2.63E-02	3.29E-04	4.22E-09	6.44E-05	5.46E-04	1.89E-04	1.32E-03	1.21E-03	2.75E-02
3804	485863.09	3852377.25	0.00542	0.00684	0.00189	0.00267	0.00239	0.0029	0.00721	0.00684	2.60E-02	2.91E-04	4.53E-09	6.47E-05	5.15E-04	1.88E-04	1.18E-03	1.07E-03	2.72E-02
3805	486363.09	3852377.25	0.00521	0.00598	0.00168	0.00257	0.00291	0.00282	0.0063	0.00598	2.50E-02	2.54E-04	4.03E-09	6.23E-05	6.28E-04	1.82E-04	1.03E-03	9.37E-04	2.62E-02
3806	486863.09	3852377.25	0.00506	0.00551	0.0018	0.00262	0.00261	0.00283	0.00581	0.00551	2.43E-02	2.34E-04	4.32E-09	6.35E-05	5.63E-04	1.83E-04	9.48E-04	8.63E-04	2.54E-02
3807	487363.09	3852377.25	0.00483	0.00503	0.00199	0.00258	0.00191	0.00279	0.00531	0.00503	2.32E-02	2.14E-04	4.77E-09	6.25E-05	4.12E-04	1.81E-04	8.67E-04	7.88E-04	2.41E-02
3808	487863.09	3852377.25	0.00461	0.00461	0.00213	0.00254	0.00193	0.00278	0.00488	0.00461	2.21E-02	1.96E-04	5.11E-09	6.15E-05	4.16E-04	1.80E-04	7.97E-04	7.22E-04	2.31E-02
3809	488363.09	3852377.25	0.00443	0.00426	0.00218	0.00251	0.00191	0.00276	0.00452	0.00426	2.13E-02	1.81E-04	5.23E-09	6.08E-05	4.12E-04	1.79E-04	7.38E-04	6.67E-04	2.22E-02
3810	488863.09	3852377.25	0.00425	0.00392	0.00219	0.00248	0.00188	0.00273	0.00417	0.00392	2.04E-02	1.67E-04	5.25E-09	6.01E-05	4.05E-04	1.77E-04	6.81E-04	6.14E-04	2.13E-02
3811	489363.09	3852377.25	0.00416	0.00367	0.00225	0.00247	0.00199	0.00269	0.00391	0.00367	2.00E-02	1.56E-04	5.40E-09	5.98E-05	4.29E-04	1.74E-04	6.38E-04	5.75E-04	2.08E-02
3812	489863.09	3852377.25	0.00397	0.00339	0.00223	0.00244	0.00188	0.00263	0.00362	0.00339	1.91E-02	1.44E-04	5.35E-09	5.91E-05	4.05E-04	1.70E-04	5.91E-04	5.31E-04	1.99E-02
3813	490363.09	3852377.25	0.0042	0.00342	0.00234	0.00253	0.0019	0.00272	0.00366	0.00342	2.02E-02	1.46E-04	5.61E-09	6.13E-05	4.10E-04	1.76E-04	5.97E-04	5.36E-04	2.10E-02
3814	490863.09	3852377.25	0.00437	0.0034	0.00242	0.00259	0.00198	0.00278	0.00365	0.0034	2.10E-02	1.45E-04	5.80E-09	6.27E-05	4.27E-04	1.80E-04	5.96E-04	5.33E-04	2.18E-02
3815	491363.09	3852377.25	0.00476	0.00352	0.00253	0.00276	0.00219	0.00294	0.0038	0.00352	2.28E-02	1.50E-04	6.07E-09	6.69E-05	4.72E-04	1.90E-04	6.20E-04	5.51E-04	2.38E-02

3816	491863.09	3852377.25	0.00482	0.00344	0.00257	0.00277	0.00257	0.00298	0.00372	0.00344	2.31E-02	1.46E-04	6.16E-09	6.71E-05	5.54E-04	1.93E-04	6.07E-04	5.39E-04	2.42E-02
3817	492363.09	3852377.25	0.00484	0.00335	0.00259	0.00277	0.0028	0.00301	0.00362	0.00335	2.32E-02	1.43E-04	6.21E-09	6.71E-05	6.04E-04	1.95E-04	5.91E-04	5.25E-04	2.43E-02
3818	492863.09	3852377.25	0.00498	0.00333	0.00267	0.00284	0.00287	0.00308	0.00361	0.00333	2.39E-02	1.42E-04	6.40E-09	6.88E-05	6.19E-04	1.99E-04	5.89E-04	5.22E-04	2.50E-02
3819	493363.09	3852377.25	0.00523	0.00338	0.00276	0.00298	0.00284	0.00321	0.00368	0.00338	2.51E-02	1.44E-04	6.62E-09	7.22E-05	6.13E-04	2.08E-04	6.01E-04	5.29E-04	2.62E-02
3820	493863.09	3852377.25	0.00519	0.00328	0.00275	0.00293	0.00279	0.00319	0.00356	0.00328	2.49E-02	1.40E-04	6.60E-09	7.10E-05	6.02E-04	2.06E-04	5.81E-04	5.14E-04	2.60E-02
3821	494363.09	3852377.25	0.00515	0.00319	0.00274	0.00293	0.00291	0.00318	0.00346	0.00319	2.47E-02	1.36E-04	6.57E-09	7.10E-05	6.28E-04	2.06E-04	5.65E-04	5.00E-04	2.58E-02
3822	494863.09	3852377.25	0.00527	0.00319	0.00275	0.00298	0.00316	0.00324	0.00346	0.00319	2.53E-02	1.36E-04	6.60E-09	7.22E-05	6.82E-04	2.10E-04	5.65E-04	5.00E-04	2.65E-02
3823	495363.09	3852377.25	0.00537	0.00318	0.00277	0.00309	0.00346	0.0033	0.00346	0.00318	2.58E-02	1.35E-04	6.64E-09	7.49E-05	7.46E-04	2.14E-04	5.65E-04	4.98E-04	2.70E-02
3824	495863.09	3852377.25	0.00524	0.00308	0.00273	0.00309	0.00359	0.00324	0.00334	0.00308	2.51E-02	1.31E-04	6.55E-09	7.49E-05	7.74E-04	2.10E-04	5.45E-04	4.82E-04	2.64E-02
3825	496363.09	3852377.25	0.0051	0.00297	0.0027	0.00309	0.00371	0.00316	0.00321	0.00297	2.45E-02	1.26E-04	6.48E-09	7.49E-05	8.00E-04	2.04E-04	5.24E-04	4.65E-04	2.57E-02
3826	496863.09	3852377.25	0.00499	0.00289	0.00265	0.00302	0.00386	0.00312	0.00312	0.00289	2.39E-02	1.23E-04	6.36E-09	7.32E-05	8.33E-04	2.02E-04	5.09E-04	4.53E-04	2.52E-02
3827	497363.09	3852377.25	0.00474	0.00275	0.00251	0.00287	0.00394	0.00301	0.00295	0.00275	2.27E-02	1.17E-04	6.02E-09	6.95E-05	8.50E-04	1.95E-04	4.82E-04	4.31E-04	2.40E-02
3828	497863.09	3852377.25	0.00446	0.00259	0.00241	0.00275	0.00402	0.0029	0.00276	0.00259	2.14E-02	1.10E-04	5.78E-09	6.66E-05	8.67E-04	1.88E-04	4.51E-04	4.06E-04	2.27E-02
3829	498363.09	3852377.25	0.00422	0.00246	0.00236	0.00268	0.00408	0.00283	0.0026	0.00246	2.03E-02	1.05E-04	5.66E-09	6.49E-05	8.80E-04	1.83E-04	4.24E-04	3.85E-04	2.15E-02
3830	471363.09	3852877.25	0.00189	0.00161	0.00078	0.00113	0.00181	0.00125	0.00163	0.00161	9.07E-03	6.85E-05	1.87E-09	2.74E-05	3.90E-04	8.09E-05	2.66E-04	2.52E-04	9.65E-03
3831	471863.09	3852877.25	0.00197	0.00171	0.00082	0.00118	0.0018	0.0013	0.00173	0.00171	9.45E-03	7.28E-05	1.97E-09	2.86E-05	3.88E-04	8.41E-05	2.82E-04	2.68E-04	1.00E-02
3832	472363.09	3852877.25	0.00204	0.0018	0.00086	0.00123	0.00177	0.00135	0.00182	0.0018	9.79E-03	7.66E-05	2.06E-09	2.98E-05	3.82E-04	8.73E-05	2.97E-04	2.82E-04	1.04E-02
3833	472863.09	3852877.25	0.0021	0.00188	0.0009	0.00128	0.00174	0.0014	0.0019	0.00188	1.01E-02	8.00E-05	2.16E-09	3.10E-05	3.75E-04	9.06E-05	3.10E-04	2.95E-04	1.07E-02
3834	473363.09	3852877.25	0.00218	0.00198	0.00096	0.00134	0.00173	0.00146	0.00201	0.00198	1.05E-02	8.42E-05	2.30E-09	3.25E-05	3.73E-04	9.45E-05	3.28E-04	3.10E-04	1.11E-02
3835	473863.09	3852877.25	0.00226	0.0021	0.00102	0.00141	0.00174	0.00154	0.00213	0.0021	1.08E-02	8.94E-05	2.45E-09	3.42E-05	3.75E-04	9.96E-05	3.48E-04	3.29E-04	1.15E-02
3836	474363.09	3852877.25	0.00235	0.00223	0.00108	0.00148	0.0018	0.00161	0.00226	0.00223	1.13E-02	9.49E-05	2.59E-09	3.59E-05	3.88E-04	1.04E-04	3.69E-04	3.49E-04	1.19E-02
3837	474863.09	3852877.25	0.00241	0.00219	0.00109	0.00151	0.00183	0.00163	0.00222	0.00219	1.16E-02	9.32E-05	2.61E-09	3.66E-05	3.95E-04	1.05E-04	3.62E-04	3.43E-04	1.22E-02
3838	475363.09	3852877.25	0.00252	0.00235	0.00114	0.00158	0.00191	0.0017	0.00239	0.00235	1.21E-02	1.00E-04	2.73E-09	3.83E-05	4.12E-04	1.10E-04	3.90E-04	3.68E-04	1.28E-02
3839	475863.09	3852877.25	0.00261	0.00243	0.00116	0.00163	0.00198	0.00175	0.00249	0.00243	1.25E-02	1.03E-04	2.78E-09	3.95E-05	4.27E-04	1.13E-04	4.06E-04	3.81E-04	1.32E-02
3840	476363.09	3852877.25	0.00268	0.00243	0.00115	0.00166	0.00205	0.00177	0.0025	0.00243	1.29E-02	1.03E-04	2.76E-09	4.02E-05	4.42E-04	1.15E-04	4.08E-04	3.81E-04	1.36E-02
3841	476863.09	3852877.25	0.0027	0.00237	0.00115	0.00166	0.0021	0.00178	0.00246	0.00237	1.30E-02	1.01E-04	2.76E-09	4.02E-05	4.53E-04	1.15E-04	4.02E-04	3.71E-04	1.37E-02
3842	477363.09	3852877.25	0.00273	0.00236	0.00118	0.00167	0.00216	0.0018	0.00243	0.00236	1.31E-02	1.00E-04	2.83E-09	4.05E-05	4.66E-04	1.16E-04	3.97E-04	3.70E-04	1.39E-02
3843	477863.09	3852877.25	0.00274	0.00231	0.00119	0.00166	0.00213	0.00183	0.00237	0.00231	1.31E-02	9.83E-05	2.85E-09	4.02E-05	4.59E-04	1.18E-04	3.87E-04	3.62E-04	1.39E-02
3844	478363.09	3852877.25	0.00262	0.00217	0.00119	0.00164	0.00198	0.00184	0.00221	0.00217	1.26E-02	9.23E-05	2.85E-09	3.97E-05	4.27E-04	1.19E-04	3.61E-04	3.40E-04	1.33E-02
3845	478863.09	3852877.25	0.00284	0.00243	0.00125	0.00175	0.00195	0.00196	0.0025	0.00243	1.36E-02	1.03E-04	3.00E-09	4.24E-05	4.21E-04	1.27E-04	4.08E-04	3.81E-04	1.43E-02
3846	479363.09	3852877.25	0.00326	0.00295	0.00136	0.00193	0.00208	0.00213	0.00305	0.00295	1.56E-02	1.26E-04	3.26E-09	4.68E-05	4.49E-04	1.38E-04	4.98E-04	4.62E-04	1.64E-02
3847	479863.09	3852877.25	0.00376	0.00405	0.00163	0.00225	0.00238	0.00245	0.00423	0.00405	1.80E-02	1.72E-04	3.91E-09	5.45E-05	5.13E-04	1.59E-04	6.90E-04	6.34E-04	1.90E-02
3848	480363.09	3852877.25	0.00389	0.0056	0.00178	0.00251	0.00256	0.00283	0.00581	0.0056	1.87E-02	2.38E-04	4.27E-09	6.08E-05	5.52E-04	1.83E-04	9.48E-04	8.77E-04	1.98E-02
3849	480863.09	3852877.25	0.00422	0.00696	0.00199	0.00263	0.00262	0.00295	0.00714	0.00696	2.03E-02	2.96E-04	4.77E-09	6.37E-05	5.65E-04	1.91E-04	1.17E-03	1.09E-03	2.14E-02
3850	481363.09	3852877.25	0.00474	0.00944	0.00187	0.00283	0.00254	0.0034	0.00964	0.00944	2.27E-02	4.02E-04	4.48E-09	6.86E-05	5.48E-04	2.20E-04	1.57E-03	1.48E-03	2.41E-02
3851	481863.09	3852877.25	0.00608	0.01584	0.00201	0.003	0.00251	0.00369	0.0161	0.01584	2.92E-02	6.74E-04	4.82E-09	7.27E-05	5.41E-04	2.39E-04	2.63E-03	2.48E-03	3.09E-02
3852	482363.09	3852877.25	0.01965	0.10858	0.00225	0.00328	0.00258	0.00421	0.11058	0.10858	9.43E-02	4.62E-03	5.40E-09	7.95E-05	5.56E-04	2.72E-04	1.80E-02	1.70E-02	1.01E-01
3853	482863.09	3852877.25	0.01333	0.0466	0.0029	0.00352	0.00256	0.00416	0.04747	0.0466	6.40E-02	1.98E-03	6.96E-09	8.53E-05	5.52E-04	2.69E-04	7.75E-03	7.30E-03	6.73E-02
3854	483363.09	3852877.25	0.00935	0.01949	0.00205	0.00367	0.0024	0.00391	0.02021	0.01949	4.49E-02	8.29E-04	4.92E-09	8.89E-05	5.18E-04	2.53E-04	3.30E-03	3.05E-03	4.68E-02
3855	483863.09	3852877.25	0.00822	0.01126	0.00206	0.00331	0.0028	0.00352	0.01185	0.01126	3.94E-02	4.79E-04	4.94E-09	8.02E-05	6.04E-04	2.28E-04	1.93E-03	1.76E-03	4.10E-02
3856	484363.09	3852877.25	0.0076	0.01008	0.00192	0.0036	0.00259	0.00387	0.01073	0.01008	3.65E-02	4.29E-04	4.60E-09	8.72E-05	5.59E-04	2.50E-04	1.75E-03	1.58E-03	3.80E-02
3857	484863.09	3852877.25	0.00731	0.00905	0.00199	0.00378	0.0024	0.00419	0.00972	0.00905	3.51E-02	3.85E-04	4.77E-09	9.16E-05	5.18E-04	2.71E-04	1.59E-03	1.42E-03	3.65E-02
3858	485363.09	3852877.25	0.00699	0.00714	0.00231	0.00346	0.00274	0.00392	0.00769	0.00714	3.35E-02	3.04E-04	5.54E-09	8.38E-05	5.91E-04	2.54E-04	1.26E-03	1.12E-03	3.49E-02
3859	485863.09	3852877.25	0.0067	0.00625	0.00225	0.00347	0.00257	0.00388	0.00678	0.00625	3.22E-02	2.66E-04	5.40E-09	8.41E-05	5.54E-04	2.51E-04	1.11E-03	9.79E-04	3.34E-02
3860	486363.09	3852877.25	0.00633	0.00555	0.00237	0.00338	0.00299	0.00374	0.00603	0.00555	3.04E-02	2.36E-04	5.68E-09	8.19E-05	6.45E-04	2.42E-04	9.84E-04	8.69E-04	3.17E-02
3861	486863.09	3852877.25	0.00612	0.00514	0.00252	0.00341	0.00287	0.0037	0.0056	0.00514	2.94E-02	2.19E-04	6.04E-09	8.26E-05	6.19E-04	2.39E-04	9.14E-04	8.05E-04	3.06E-02
3862	487363.09	3852877.25	0.00574	0.00469	0.00269	0.00334	0.00216	0.00359	0.00512	0.00469	2.75E-02	2.00E-04	6.45E-09	8.09E-05	4.66E-04	2.32E-04	8.36E-04	7.35E-04	2.86E-02
3863	487863.09	3852877.25	0.0055	0.00436	0.00287	0.00328	0.00217	0.00353	0.00477	0.00436	2.64E-02	1.86E-04	6.88E-09	7.95E-05	4.68E-04	2.28E-04	7.79E-04	6.83E-04	2.75E-02
3864	488363.09	3852877.25	0.00464	0.00365	0.00275	0.00295	0.00206	0.00321	0.00398	0.00365	2.23E-02	1.55E-04	6.60E-09	7.15E-05	4.44E-04	2.08E-04	6.50E-04	5.72E-04	2.32E-02
3865	488863.09	3852877.25	0.00485	0.00363	0.00275	0.00304	0.00215	0.00326	0.00397	0.00363	2.33E-02	1.54E-04	6.60E-09	7.36E-05	4.64E-04	2.11E-04	6.48E-04	5.69E-04	2.43E-02
3866	489363.09	3852877.25	0.0049	0.00353	0.00278	0.00307	0.00222	0.00326	0.00387	0.00353	2.35E-02	1.50E-04	6.67E-09	7.44E-05	4.79E-04	2.11E-04	6.32E-04	5.53E-04	2.45E-02
3867	489863.09	3852877.25	0.00492	0.00343	0.00284	0.00308	0.00213	0.00325	0.00377	0.00343	2.36E-02	1.46E-04	6.81E-09	7.46E-05	4.59E-04	2.10E-04	6.15E-04	5.37E-04	2.46E-02
3868	490363.09	3852877.25	0.0056	0.00369	0.00302	0.00336	0.00226	0.0035	0.00408	0.00369	2.69E-02	1.57E-04	7.24E-09	8.14E-05	4.87E-04	2.26E-04	6.66E-04	5.78E-04	2.79E-02
3869	490863.09	3852877.25	0.00586	0.0037	0.00314	0.00347	0.00245	0.0036	0.00411	0.0037	2.81E-02	1.57E-04	7.53E-09	8.41E-05	5.28E-04	2.33E-04	6.71E-04	5.80E-04	2.92E-02
3870	491363.09	3852877.25	0.00605	0.0037	0.00327	0.00355	0.00293	0.00368	0.00412	0.0037	2.90E-02	1.57E-04	7.84E-09	8.60E-05	6.32E-04	2.38E-04	6.73E-04	5.80E-04	3.02E-02
3871	491863.09	3852877.25	0.00608	0.00364	0.00332	0.00353	0.00333	0.0037	0.00404	0.00364	2.92E-02	1.55E-04	7.96E-09	8.55E-05	7.18E-04	2.39E-04	6.59E-04	5.70E-04	3.05E-02
3872	492363.09	3852877.25	0.00616	0.00359	0.00335	0.00354	0.00343	0.00373	0.004	0.00359	2.96E-02	1.53E-04	8.03E-09	8.58E-05	7.40E-04	2.41E-04	6.53E-04	5.62E-04	3.09E-02

3873	492863.09	3852877.25	0.00635	0.0036	0.0033	0.00364	0.00339	0.00383	0.00403	0.0036	3.05E-02	1.53E-04	7.91E-09	8.82E-05	7.31E-04	2.48E-04	6.58E-04	5.64E-04	3.18E-02
3874	493363.09	3852877.25	0.00642	0.00358	0.00327	0.00368	0.00343	0.00388	0.004	0.00358	3.08E-02	1.52E-04	7.84E-09	8.92E-05	7.40E-04	2.51E-04	6.53E-04	5.61E-04	3.21E-02
3875	493863.09	3852877.25	0.00635	0.00348	0.00325	0.00365	0.00363	0.00384	0.00388	0.00348	3.05E-02	1.48E-04	7.79E-09	8.84E-05	7.83E-04	2.48E-04	6.33E-04	5.45E-04	3.18E-02
3876	494363.09	3852877.25	0.00629	0.0034	0.00319	0.0036	0.0039	0.00382	0.00378	0.0034	3.02E-02	1.45E-04	7.65E-09	8.72E-05	8.41E-04	2.47E-04	6.17E-04	5.33E-04	3.16E-02
3877	494863.09	3852877.25	0.00627	0.00335	0.00319	0.00362	0.00419	0.00382	0.00371	0.00335	3.01E-02	1.43E-04	7.65E-09	8.77E-05	9.04E-04	2.47E-04	6.06E-04	5.25E-04	3.16E-02
3878	495363.09	3852877.25	0.00606	0.00322	0.00314	0.00358	0.00429	0.00373	0.00355	0.00322	2.91E-02	1.37E-04	7.53E-09	8.67E-05	9.25E-04	2.41E-04	5.79E-04	5.04E-04	3.05E-02
3879	495863.09	3852877.25	0.00584	0.0031	0.00309	0.00356	0.00443	0.00362	0.0034	0.0031	2.80E-02	1.32E-04	7.41E-09	8.62E-05	9.55E-04	2.34E-04	5.55E-04	4.86E-04	2.95E-02
3880	496363.09	3852877.25	0.00575	0.00304	0.00303	0.00348	0.00466	0.00357	0.00332	0.00304	2.76E-02	1.29E-04	7.27E-09	8.43E-05	1.01E-03	2.31E-04	5.42E-04	4.76E-04	2.91E-02
3881	496863.09	3852877.25	0.00559	0.00294	0.00295	0.00337	0.00488	0.0035	0.00321	0.00294	2.68E-02	1.25E-04	7.08E-09	8.16E-05	1.05E-03	2.26E-04	5.24E-04	4.61E-04	2.84E-02
3882	497363.09	3852877.25	0.00513	0.00274	0.00277	0.00317	0.00485	0.0033	0.00296	0.00274	2.46E-02	1.17E-04	6.64E-09	7.68E-05	1.05E-03	2.14E-04	4.83E-04	4.29E-04	2.61E-02
3883	497863.09	3852877.25	0.00442	0.00243	0.00256	0.00288	0.00458	0.00302	0.00257	0.00243	2.12E-02	1.03E-04	6.14E-09	6.98E-05	9.88E-04	1.95E-04	4.19E-04	3.81E-04	2.26E-02
3884	498363.09	3852877.25	0.00429	0.00236	0.00252	0.00286	0.00455	0.00298	0.00248	0.00236	2.06E-02	1.00E-04	6.04E-09	6.93E-05	9.81E-04	1.93E-04	4.05E-04	3.70E-04	2.20E-02
3885	471363.09	3853377.25	0.00192	0.00156	0.00076	0.00113	0.0018	0.00126	0.00158	0.00156	9.21E-03	6.64E-05	1.82E-09	2.74E-05	3.88E-04	8.15E-05	2.58E-04	2.44E-04	9.79E-03
3886	471863.09	3853377.25	0.002	0.00163	0.00079	0.00118	0.00192	0.00131	0.00166	0.00163	9.60E-03	6.94E-05	1.89E-09	2.86E-05	4.14E-04	8.48E-05	2.71E-04	2.55E-04	1.02E-02
3887	472363.09	3853377.25	0.00208	0.0017	0.00083	0.00124	0.00202	0.00137	0.00173	0.0017	9.98E-03	7.23E-05	1.99E-09	3.00E-05	4.36E-04	8.86E-05	2.82E-04	2.66E-04	1.06E-02
3888	472863.09	3853377.25	0.00216	0.00178	0.00088	0.00129	0.00208	0.00143	0.0018	0.00178	1.04E-02	7.57E-05	2.11E-09	3.13E-05	4.49E-04	9.25E-05	2.94E-04	2.79E-04	1.10E-02
3889	473363.09	3853377.25	0.00223	0.00184	0.00093	0.00134	0.00208	0.00148	0.00187	0.00184	1.07E-02	7.83E-05	2.23E-09	3.25E-05	4.49E-04	9.58E-05	3.05E-04	2.88E-04	1.14E-02
3890	473863.09	3853377.25	0.00231	0.00191	0.00098	0.0014	0.00206	0.00153	0.00194	0.00191	1.11E-02	8.13E-05	2.35E-09	3.39E-05	4.44E-04	9.90E-05	3.17E-04	2.99E-04	1.18E-02
3891	474363.09	3853377.25	0.0024	0.00198	0.00103	0.00146	0.00201	0.00159	0.002	0.00198	1.15E-02	8.42E-05	2.47E-09	3.54E-05	4.34E-04	1.03E-04	3.26E-04	3.10E-04	1.22E-02
3892	474863.09	3853377.25	0.00248	0.00198	0.00107	0.00149	0.00197	0.00163	0.00201	0.00198	1.19E-02	8.42E-05	2.57E-09	3.61E-05	4.25E-04	1.05E-04	3.28E-04	3.10E-04	1.26E-02
3893	475363.09	3853377.25	0.00257	0.00203	0.0011	0.00154	0.00197	0.00169	0.00206	0.00203	1.23E-02	8.64E-05	2.64E-09	3.73E-05	4.25E-04	1.09E-04	3.36E-04	3.18E-04	1.30E-02
3894	475863.09	3853377.25	0.00267	0.00209	0.00115	0.00159	0.00201	0.00175	0.00211	0.00209	1.28E-02	8.89E-05	2.76E-09	3.85E-05	4.34E-04	1.13E-04	3.44E-04	3.27E-04	1.35E-02
3895	476363.09	3853377.25	0.00272	0.00207	0.00118	0.00161	0.00205	0.00176	0.00209	0.00207	1.31E-02	8.81E-05	2.83E-09	3.90E-05	4.42E-04	1.14E-04	3.41E-04	3.24E-04	1.38E-02
3896	476863.09	3853377.25	0.00266	0.002	0.00118	0.0016	0.00207	0.00177	0.00201	0.002	1.28E-02	8.51E-05	2.83E-09	3.88E-05	4.46E-04	1.15E-04	3.28E-04	3.13E-04	1.35E-02
3897	477363.09	3853377.25	0.00273	0.00204	0.00123	0.00164	0.00213	0.00182	0.00207	0.00204	1.31E-02	8.68E-05	2.95E-09	3.97E-05	4.59E-04	1.18E-04	3.38E-04	3.20E-04	1.38E-02
3898	477863.09	3853377.25	0.00284	0.0021	0.00129	0.0017	0.00222	0.0019	0.00213	0.0021	1.36E-02	8.94E-05	3.09E-09	4.12E-05	4.79E-04	1.23E-04	3.48E-04	3.29E-04	1.44E-02
3899	478363.09	3853377.25	0.00282	0.00203	0.00133	0.0017	0.00226	0.00194	0.00206	0.00203	1.35E-02	8.64E-05	3.19E-09	4.12E-05	4.87E-04	1.26E-04	3.36E-04	3.18E-04	1.43E-02
3900	478863.09	3853377.25	0.00274	0.00196	0.00134	0.0017	0.0022	0.00197	0.00197	0.00196	1.31E-02	8.34E-05	3.21E-09	4.12E-05	4.74E-04	1.27E-04	3.22E-04	3.07E-04	1.39E-02
3901	479363.09	3853377.25	0.00329	0.00242	0.00151	0.00199	0.00233	0.00224	0.00247	0.00242	1.58E-02	1.03E-04	3.62E-09	4.82E-05	5.03E-04	1.45E-04	4.03E-04	3.79E-04	1.66E-02
3902	479863.09	3853377.25	0.00395	0.00302	0.00169	0.0023	0.00234	0.00256	0.00312	0.00302	1.90E-02	1.28E-04	4.05E-09	5.57E-05	5.05E-04	1.66E-04	5.09E-04	4.73E-04	1.98E-02
3903	480363.09	3853377.25	0.00457	0.00416	0.00216	0.00277	0.00257	0.0031	0.00432	0.00416	2.19E-02	1.77E-04	5.18E-09	6.71E-05	5.54E-04	2.01E-04	7.05E-04	6.52E-04	2.30E-02
3904	480863.09	3853377.25	0.00511	0.00441	0.00211	0.00299	0.00279	0.00343	0.00467	0.00441	2.45E-02	1.88E-04	5.06E-09	7.24E-05	6.02E-04	2.22E-04	7.62E-04	6.91E-04	2.57E-02
3905	481363.09	3853377.25	0.0057	0.00642	0.00256	0.00351	0.00302	0.00418	0.00664	0.00642	2.74E-02	2.73E-04	6.14E-09	8.50E-05	6.51E-04	2.70E-04	1.08E-03	1.01E-03	2.87E-02
3906	481863.09	3853377.25	0.00695	0.01009	0.00263	0.00404	0.00298	0.00553	0.01021	0.01009	3.34E-02	4.29E-04	6.31E-09	9.79E-05	6.43E-04	3.58E-04	1.67E-03	1.58E-03	3.50E-02
3907	482363.09	3853377.25	0.01107	0.01984	0.00304	0.00476	0.00292	0.00703	0.0198	0.01984	5.31E-02	8.44E-04	7.29E-09	1.15E-04	6.30E-04	4.55E-04	3.23E-03	3.11E-03	5.53E-02
3908	482863.09	3853377.25	0.04663	0.12947	0.00425	0.00575	0.00298	0.00785	0.14211	0.12947	2.24E-01	5.51E-03	1.02E-08	1.39E-04	6.43E-04	5.08E-04	2.32E-02	2.03E-02	2.33E-01
3909	483363.09	3853377.25	0.01617	0.02529	0.00289	0.00625	0.00301	0.00775	0.02744	0.02529	7.76E-02	1.08E-03	6.93E-09	1.51E-04	6.49E-04	5.01E-04	4.48E-03	3.96E-03	8.05E-02
3910	483863.09	3853377.25	0.01275	0.01484	0.00298	0.00639	0.00286	0.00789	0.01655	0.01484	6.12E-02	6.31E-04	7.15E-09	1.55E-04	6.17E-04	5.11E-04	2.70E-03	2.32E-03	6.35E-02
3911	484363.09	3853377.25	0.01136	0.01136	0.00293	0.00685	0.00342	0.00823	0.01298	0.01136	5.45E-02	4.83E-04	7.03E-09	1.66E-04	7.38E-04	5.33E-04	2.12E-03	1.78E-03	5.68E-02
3912	484863.09	3853377.25	0.01089	0.00831	0.00328	0.00648	0.00287	0.00726	0.00973	0.00831	5.23E-02	3.54E-04	7.87E-09	1.57E-04	6.19E-04	4.70E-04	1.59E-03	1.30E-03	5.41E-02
3913	485363.09	3853377.25	0.00956	0.00639	0.00318	0.00548	0.00266	0.0061	0.00745	0.00639	4.59E-02	2.72E-04	7.63E-09	1.33E-04	5.74E-04	3.95E-04	1.22E-03	1.00E-03	4.75E-02
3914	485863.09	3853377.25	0.00786	0.00537	0.00342	0.00484	0.00272	0.00533	0.00621	0.00537	3.77E-02	2.28E-04	8.20E-09	1.17E-04	5.87E-04	3.45E-04	1.01E-03	8.41E-04	3.92E-02
3915	486363.09	3853377.25	0.00786	0.00512	0.00359	0.00488	0.00316	0.00524	0.00595	0.00512	3.77E-02	2.18E-04	8.61E-09	1.18E-04	6.82E-04	3.39E-04	9.71E-04	8.02E-04	3.92E-02
3916	486863.09	3853377.25	0.00771	0.00484	0.00385	0.00484	0.00329	0.00507	0.00564	0.00484	3.70E-02	2.06E-04	9.23E-09	1.17E-04	7.10E-04	3.28E-04	9.21E-04	7.58E-04	3.85E-02
3917	487363.09	3853377.25	0.00778	0.00471	0.00413	0.00492	0.00267	0.00502	0.00552	0.00471	3.73E-02	2.00E-04	9.91E-09	1.19E-04	5.76E-04	3.25E-04	9.01E-04	7.38E-04	3.87E-02
3918	487863.09	3853377.25	0.00772	0.00456	0.00412	0.0049	0.00258	0.00494	0.00535	0.00456	3.70E-02	1.94E-04	9.88E-09	1.19E-04	5.56E-04	3.20E-04	8.73E-04	7.14E-04	3.84E-02
3919	488363.09	3853377.25	0.0078	0.00447	0.00418	0.0049	0.00258	0.00492	0.00525	0.00447	3.74E-02	1.90E-04	1.00E-08	1.19E-04	5.56E-04	3.18E-04	8.57E-04	7.00E-04	3.88E-02
3920	488863.09	3853377.25	0.00773	0.0043	0.00407	0.00481	0.00269	0.00479	0.00504	0.0043	3.71E-02	1.83E-04	9.76E-09	1.17E-04	5.80E-04	3.10E-04	8.23E-04	6.74E-04	3.84E-02
3921	489363.09	3853377.25	0.00762	0.00415	0.00401	0.0047	0.0028	0.00467	0.00486	0.00415	3.66E-02	1.77E-04	9.62E-09	1.14E-04	6.04E-04	3.02E-04	7.93E-04	6.50E-04	3.79E-02
3922	489863.09	3853377.25	0.00741	0.00399	0.00395	0.00453	0.00267	0.00451	0.00464	0.00399	3.56E-02	1.70E-04	9.47E-09	1.10E-04	5.76E-04	2.92E-04	7.57E-04	6.25E-04	3.68E-02
3923	490363.09	3853377.25	0.00757	0.00398	0.00407	0.00458	0.00286	0.00455	0.00463	0.00398	3.63E-02	1.69E-04	9.76E-09	1.11E-04	6.17E-04	2.94E-04	7.56E-04	6.23E-04	3.77E-02
3924	490863.09	3853377.25	0.00764	0.00393	0.00407	0.00459	0.00337	0.00454	0.00457	0.00393	3.67E-02	1.67E-04	9.76E-09	1.11E-04	7.27E-04	2.94E-04	7.46E-04	6.16E-04	3.81E-02
3925	491363.09	3853377.25	0.0077	0.00388	0.0041	0.00457	0.00396	0.00454	0.0045	0.00388	3.70E-02	1.65E-04	9.83E-09	1.11E-04	8.54E-04	2.94E-04	7.35E-04	6.08E-04	3.85E-02
3926	491863.09	3853377.25	0.00767	0.00382	0.0041	0.00447	0.00417	0.00454	0.00441	0.00382	3.68E-02	1.63E-04	9.83E-09	1.08E-04	8.99E-04	2.94E-04	7.20E-04	5.98E-04	3.84E-02
3927	492363.09	3853377.25	0.00773	0.00381	0.00401	0.00448	0.00408	0.00458	0.00439	0.00381	3.71E-02	1.62E-04	9.62E-09	1.09E-04	8.80E-04	2.96E-04	7.17E-04	5.97E-04	3.87E-02
3928	492863.09	3853377.25	0.00776	0.0038	0.00393	0.00453	0.0042	0.00462	0.00436	0.0038	3.72E-02	1.62E-04	9.43E-09	1.10E-04	9.06E-04	2.99E-04	7.12E-04	5.95E-04	3.88E-02
3929	493363.09	3853377.25	0.00766	0.00374	0.00395	0.00445	0.00458	0.00459	0.00427	0.00374	3.68E-02	1.59E-04	9.47E-09	1.08E-04	9.88E-04	2.97E-04	6.97E-04	5.86E-04	3.84E-02

3930	493863.09	3853377.25	0.00755	0.00367	0.00386	0.00442	0.00494	0.00454	0.00416	0.00367	3.62E-02	1.56E-04	9.26E-09	1.07E-04	1.07E-03	2.94E-04	6.79E-04	5.75E-04	3.80E-02
3931	494363.09	3853377.25	0.00734	0.00355	0.00378	0.00424	0.00518	0.00442	0.004	0.00355	3.52E-02	1.51E-04	9.07E-09	1.03E-04	1.12E-03	2.86E-04	6.53E-04	5.56E-04	3.70E-02
3932	494863.09	3853377.25	0.00709	0.00342	0.00371	0.00416	0.00537	0.0043	0.00382	0.00342	3.40E-02	1.46E-04	8.90E-09	1.01E-04	1.16E-03	2.78E-04	6.24E-04	5.36E-04	3.58E-02
3933	495363.09	3853377.25	0.00691	0.00334	0.00368	0.00422	0.00555	0.00422	0.00371	0.00334	3.32E-02	1.42E-04	8.83E-09	1.02E-04	1.20E-03	2.73E-04	6.06E-04	5.23E-04	3.50E-02
3934	495863.09	3853377.25	0.00666	0.00323	0.00355	0.00402	0.0058	0.00411	0.00356	0.00323	3.20E-02	1.37E-04	8.51E-09	9.74E-05	1.25E-03	2.66E-04	5.81E-04	5.06E-04	3.38E-02
3935	496363.09	3853377.25	0.00635	0.00309	0.00337	0.00383	0.00596	0.00395	0.00338	0.00309	3.05E-02	1.31E-04	8.08E-09	9.28E-05	1.29E-03	2.56E-04	5.52E-04	4.84E-04	3.23E-02
3936	496863.09	3853377.25	0.00592	0.00289	0.00316	0.00363	0.00589	0.00376	0.00315	0.00289	2.84E-02	1.23E-04	7.58E-09	8.79E-05	1.27E-03	2.43E-04	5.14E-04	4.53E-04	3.02E-02
3937	497363.09	3853377.25	0.00533	0.00266	0.00295	0.00341	0.00552	0.00352	0.00286	0.00266	2.56E-02	1.13E-04	7.08E-09	8.26E-05	1.19E-03	2.28E-04	4.67E-04	4.17E-04	2.72E-02
3938	497863.09	3853377.25	0.00437	0.00226	0.00261	0.00301	0.00498	0.0031	0.00238	0.00226	2.10E-02	9.62E-05	6.26E-09	7.29E-05	1.07E-03	2.01E-04	3.88E-04	3.54E-04	2.24E-02
3939	498363.09	3853377.25	0.00393	0.00206	0.0024	0.0028	0.0046	0.00288	0.00215	0.00206	1.89E-02	8.76E-05	5.76E-09	6.78E-05	9.92E-04	1.86E-04	3.51E-04	3.23E-04	2.02E-02
3940	471363.09	3853877.25	0.0019	0.00151	0.00076	0.00111	0.00154	0.00126	0.00151	0.00151	9.12E-03	6.42E-05	1.82E-09	2.69E-05	3.32E-04	8.15E-05	2.46E-04	2.37E-04	9.63E-03
3941	471863.09	3853877.25	0.00199	0.00158	0.00078	0.00118	0.00165	0.00132	0.00159	0.00158	9.55E-03	6.72E-05	1.87E-09	2.86E-05	3.56E-04	8.54E-05	2.60E-04	2.48E-04	1.01E-02
3942	472363.09	3853877.25	0.00208	0.00163	0.00081	0.00123	0.00178	0.00136	0.00164	0.00163	9.98E-03	6.94E-05	1.94E-09	2.98E-05	3.84E-04	8.80E-05	2.68E-04	2.55E-04	1.06E-02
3943	472863.09	3853877.25	0.00217	0.00169	0.00085	0.00128	0.00192	0.00142	0.00171	0.00169	1.04E-02	7.19E-05	2.04E-09	3.10E-05	4.14E-04	9.19E-05	2.79E-04	2.65E-04	1.10E-02
3944	473363.09	3853877.25	0.00225	0.00173	0.00088	0.00133	0.00207	0.00148	0.00175	0.00173	1.08E-02	7.36E-05	2.11E-09	3.22E-05	4.46E-04	9.58E-05	2.86E-04	2.71E-04	1.15E-02
3945	473863.09	3853877.25	0.00234	0.00177	0.00093	0.00138	0.00221	0.00153	0.0018	0.00177	1.12E-02	7.53E-05	2.23E-09	3.34E-05	4.77E-04	9.90E-05	2.94E-04	2.77E-04	1.19E-02
3946	474363.09	3853877.25	0.00245	0.00183	0.00098	0.00144	0.00232	0.0016	0.00186	0.00183	1.18E-02	7.79E-05	2.35E-09	3.49E-05	5.00E-04	1.04E-04	3.04E-04	2.87E-04	1.25E-02
3947	474863.09	3853877.25	0.00255	0.00188	0.00104	0.00149	0.00238	0.00166	0.0019	0.00188	1.22E-02	8.00E-05	2.49E-09	3.61E-05	5.13E-04	1.07E-04	3.10E-04	2.95E-04	1.30E-02
3948	475363.09	3853877.25	0.00262	0.00187	0.00108	0.00152	0.00235	0.00169	0.00189	0.00187	1.26E-02	7.96E-05	2.59E-09	3.68E-05	5.07E-04	1.09E-04	3.09E-04	2.93E-04	1.33E-02
3949	475863.09	3853877.25	0.00263	0.0018	0.00111	0.00152	0.00227	0.00171	0.00182	0.0018	1.26E-02	7.66E-05	2.66E-09	3.68E-05	4.90E-04	1.11E-04	2.97E-04	2.82E-04	1.33E-02
3950	476363.09	3853877.25	0.00255	0.00176	0.00113	0.0015	0.00214	0.00172	0.00175	0.00176	1.22E-02	7.49E-05	2.71E-09	3.63E-05	4.62E-04	1.11E-04	2.86E-04	2.76E-04	1.29E-02
3951	476863.09	3853877.25	0.00247	0.00169	0.00115	0.00148	0.00206	0.00173	0.00166	0.00169	1.19E-02	7.19E-05	2.76E-09	3.59E-05	4.44E-04	1.12E-04	2.71E-04	2.65E-04	1.25E-02
3952	477363.09	3853877.25	0.00266	0.00179	0.00122	0.00156	0.00212	0.00182	0.00177	0.00179	1.28E-02	7.62E-05	2.93E-09	3.78E-05	4.57E-04	1.18E-04	2.89E-04	2.80E-04	1.35E-02
3953	477863.09	3853877.25	0.00285	0.00192	0.00133	0.00167	0.00222	0.00191	0.00189	0.00192	1.37E-02	8.17E-05	3.19E-09	4.05E-05	4.79E-04	1.24E-04	3.09E-04	3.01E-04	1.44E-02
3954	478363.09	3853877.25	0.00301	0.00198	0.00142	0.00174	0.00232	0.00201	0.00196	0.00198	1.44E-02	8.42E-05	3.41E-09	4.22E-05	5.00E-04	1.30E-04	3.20E-04	3.10E-04	1.52E-02
3955	478863.09	3853877.25	0.00288	0.00183	0.00146	0.00171	0.00225	0.00204	0.0018	0.00183	1.38E-02	7.79E-05	3.50E-09	4.14E-05	4.85E-04	1.32E-04	2.94E-04	2.87E-04	1.46E-02
3956	479363.09	3853877.25	0.00331	0.00208	0.00164	0.0019	0.00252	0.00227	0.00205	0.00208	1.59E-02	8.85E-05	3.93E-09	4.60E-05	5.44E-04	1.47E-04	3.35E-04	3.26E-04	1.67E-02
3957	479863.09	3853877.25	0.00424	0.00267	0.00194	0.00236	0.00288	0.0027	0.0027	0.00267	2.03E-02	1.14E-04	4.65E-09	5.72E-05	6.21E-04	1.75E-04	4.41E-04	4.18E-04	2.13E-02
3958	480363.09	3853877.25	0.00507	0.00329	0.00234	0.00284	0.00295	0.00323	0.00339	0.00329	2.43E-02	1.40E-04	5.61E-09	6.88E-05	6.36E-04	2.09E-04	5.53E-04	5.15E-04	2.54E-02
3959	480863.09	3853877.25	0.00591	0.00446	0.00306	0.0035	0.00297	0.00411	0.00457	0.00446	2.84E-02	1.90E-04	7.34E-09	8.48E-05	6.41E-04	2.66E-04	7.46E-04	6.99E-04	2.96E-02
3960	481363.09	3853877.25	0.00688	0.00577	0.00371	0.00418	0.00315	0.00543	0.00584	0.00577	3.30E-02	2.46E-04	8.90E-09	1.01E-04	6.79E-04	3.51E-04	9.53E-04	9.04E-04	3.44E-02
3961	481863.09	3853877.25	0.00871	0.00859	0.00459	0.00514	0.00339	0.0083	0.00806	0.00859	4.18E-02	3.65E-04	1.10E-08	1.25E-04	7.31E-04	5.37E-04	1.32E-03	1.35E-03	4.35E-02
3962	482363.09	3853877.25	0.01439	0.01527	0.00468	0.00746	0.00354	0.01803	0.01301	0.01527	6.91E-02	6.50E-04	1.12E-08	1.81E-04	7.63E-04	1.17E-03	2.12E-03	2.39E-03	7.15E-02
3963	482863.09	3853877.25	0.07506	0.27233	0.00604	0.01784	0.00354	0.13757	0.07161	0.27233	3.60E-01	1.16E-02	1.45E-08	4.32E-04	7.63E-04	8.90E-03	1.17E-02	4.27E-02	3.51E-01
3964	483363.09	3853877.25	0.05159	0.0293	0.00525	0.0587	0.0036	0.085	0.04599	0.0293	2.48E-01	1.25E-03	1.26E-08	1.42E-03	7.76E-04	5.50E-03	7.51E-03	4.59E-03	2.59E-01
3965	483863.09	3853877.25	0.02775	0.0169	0.00521	0.03189	0.00364	0.03285	0.02518	0.0169	1.33E-01	7.19E-04	1.25E-08	7.73E-04	7.85E-04	2.13E-03	4.11E-03	2.65E-03	1.39E-01
3966	484363.09	3853877.25	0.02115	0.01117	0.00617	0.02052	0.00347	0.01956	0.01685	0.01117	1.01E-01	4.75E-04	1.48E-08	4.97E-04	7.48E-04	1.27E-03	2.75E-03	1.75E-03	1.05E-01
3967	484863.09	3853877.25	0.0176	0.00812	0.0061	0.01415	0.00384	0.01332	0.01186	0.00812	8.45E-02	3.45E-04	1.46E-08	3.43E-04	8.28E-04	8.62E-04	1.94E-03	1.27E-03	8.75E-02
3968	485363.09	3853877.25	0.01326	0.00601	0.00604	0.00991	0.00298	0.00955	0.00835	0.00601	6.36E-02	2.56E-04	1.45E-08	2.40E-04	6.43E-04	6.18E-04	1.36E-03	9.41E-04	6.58E-02
3969	485863.09	3853877.25	0.01304	0.0056	0.00644	0.00942	0.00328	0.00889	0.00781	0.0056	6.26E-02	2.38E-04	1.54E-08	2.28E-04	7.07E-04	5.75E-04	1.27E-03	8.77E-04	6.47E-02
3970	486363.09	3853877.25	0.01197	0.00522	0.0064	0.00847	0.00367	0.00801	0.00711	0.00522	5.74E-02	2.22E-04	1.53E-08	2.05E-04	7.92E-04	5.18E-04	1.16E-03	8.18E-04	5.95E-02
3971	486863.09	3853877.25	0.01109	0.00493	0.00611	0.00767	0.00411	0.00724	0.00654	0.00493	5.32E-02	2.10E-04	1.47E-08	1.86E-04	8.86E-04	4.68E-04	1.07E-03	7.72E-04	5.53E-02
3972	487363.09	3853877.25	0.0109	0.00485	0.00591	0.0074	0.00349	0.00689	0.00634	0.00485	5.23E-02	2.06E-04	1.42E-08	1.79E-04	7.53E-04	4.46E-04	1.03E-03	7.60E-04	5.42E-02
3973	487863.09	3853877.25	0.01107	0.00489	0.00606	0.00746	0.00319	0.00688	0.00639	0.00489	5.31E-02	2.08E-04	1.45E-08	1.81E-04	6.88E-04	4.45E-04	1.04E-03	7.66E-04	5.49E-02
3974	488363.09	3853877.25	0.01086	0.00479	0.00606	0.0072	0.0032	0.00666	0.00618	0.00479	5.21E-02	2.04E-04	1.45E-08	1.74E-04	6.90E-04	4.31E-04	1.01E-03	7.50E-04	5.39E-02
3975	488863.09	3853877.25	0.0108	0.00476	0.00586	0.00711	0.00357	0.00658	0.0061	0.00476	5.18E-02	2.03E-04	1.41E-08	1.72E-04	7.70E-04	4.26E-04	9.96E-04	7.46E-04	5.36E-02
3976	489363.09	3853877.25	0.01036	0.00451	0.00554	0.00659	0.0036	0.00616	0.00567	0.00451	4.97E-02	1.92E-04	1.33E-08	1.60E-04	7.76E-04	3.99E-04	9.26E-04	7.06E-04	5.15E-02
3977	489863.09	3853877.25	0.01022	0.00443	0.00553	0.00637	0.00363	0.00601	0.00549	0.00443	4.90E-02	1.88E-04	1.33E-08	1.54E-04	7.83E-04	3.89E-04	8.96E-04	6.94E-04	5.08E-02
3978	490363.09	3853877.25	0.00994	0.00428	0.00538	0.0061	0.00413	0.0058	0.00523	0.00428	4.77E-02	1.82E-04	1.29E-08	1.48E-04	8.91E-04	3.75E-04	8.54E-04	6.70E-04	4.95E-02
3979	490863.09	3853877.25	0.00978	0.00419	0.0053	0.00593	0.00497	0.00566	0.00507	0.00419	4.69E-02	1.78E-04	1.27E-08	1.44E-04	1.07E-03	3.66E-04	8.28E-04	6.56E-04	4.89E-02
3980	491363.09	3853877.25	0.00962	0.00413	0.00523	0.00576	0.00529	0.00557	0.00494	0.00413	4.62E-02	1.76E-04	1.25E-08	1.40E-04	1.14E-03	3.60E-04	8.06E-04	6.47E-04	4.81E-02
3981	491863.09	3853877.25	0.00942	0.00407	0.00501	0.00555	0.00509	0.0055	0.00482	0.00407	4.52E-02	1.73E-04	1.20E-08	1.34E-04	1.10E-03	3.56E-04	7.87E-04	6.38E-04	4.71E-02
3982	492363.09	3853877.25	0.00931	0.00407	0.00492	0.00547	0.00543	0.00548	0.00478	0.00407	4.47E-02	1.73E-04	1.18E-08	1.33E-04	1.17E-03	3.55E-04	7.80E-04	6.38E-04	4.67E-02
3983	492863.09	3853877.25	0.00915	0.00403	0.00485	0.00541	0.00602	0.00545	0.00468	0.00403	4.39E-02	1.71E-04	1.16E-08	1.31E-04	1.30E-03	3.53E-04	7.64E-04	6.31E-04	4.60E-02
3984	493363.09	3853877.25	0.00893	0.00392	0.0047	0.00534	0.00643	0.00536	0.00452	0.00392	4.29E-02	1.67E-04	1.13E-08	1.29E-04	1.39E-03	3.47E-04	7.38E-04	6.14E-04	4.50E-02
3985	493863.09	3853877.25	0.00868	0.0038	0.00457	0.00508	0.00679	0.00521	0.00434	0.0038	4.17E-02	1.62E-04	1.10E-08	1.23E-04	1.46E-03	3.37E-04	7.08E-04	5.95E-04	4.39E-02
3986	494363.09	3853877.25	0.00845	0.00371	0.00445	0.00499	0.00714	0.00509	0.0042	0.00371	4.06E-02	1.58E-04	1.07E-08	1.21E-04	1.54E-03	3.29E-04	6.86E-04	5.81E-04	4.28E-02

3987	494863.09	3853877.25	0.00816	0.00358	0.00429	0.00504	0.00741	0.00494	0.00402	0.00358	3.92E-02	1.52E-04	1.03E-08	1.22E-04	1.60E-03	3.20E-04	6.56E-04	5.61E-04	4.14E-02
3988	495363.09	3853877.25	0.0076	0.00335	0.00395	0.00456	0.00731	0.00463	0.00372	0.00335	3.65E-02	1.43E-04	9.47E-09	1.10E-04	1.58E-03	3.00E-04	6.07E-04	5.25E-04	3.87E-02
3989	495863.09	3853877.25	0.00704	0.00316	0.00367	0.00425	0.00718	0.0044	0.00347	0.00316	3.38E-02	1.34E-04	8.80E-09	1.03E-04	1.55E-03	2.85E-04	5.66E-04	4.95E-04	3.59E-02
3990	496363.09	3853877.25	0.00668	0.00303	0.00351	0.00411	0.00704	0.00425	0.0033	0.00303	3.21E-02	1.29E-04	8.42E-09	9.96E-05	1.52E-03	2.75E-04	5.39E-04	4.75E-04	3.41E-02
3991	496863.09	3853877.25	0.00605	0.00281	0.00327	0.00389	0.00664	0.00398	0.00303	0.00281	2.90E-02	1.20E-04	7.84E-09	9.42E-05	1.43E-03	2.58E-04	4.95E-04	4.40E-04	3.10E-02
3992	497363.09	3853877.25	0.00554	0.00263	0.0031	0.0037	0.00624	0.00375	0.0028	0.00263	2.66E-02	1.12E-04	7.43E-09	8.96E-05	1.35E-03	2.43E-04	4.57E-04	4.12E-04	2.84E-02
3993	497863.09	3853877.25	0.00488	0.00239	0.00287	0.00346	0.00579	0.00348	0.00251	0.00239	2.34E-02	1.02E-04	6.88E-09	8.38E-05	1.25E-03	2.25E-04	4.10E-04	3.74E-04	2.51E-02
3994	498363.09	3853877.25	0.00452	0.00223	0.0027	0.00334	0.00548	0.00329	0.00234	0.00223	2.17E-02	9.49E-05	6.48E-09	8.09E-05	1.18E-03	2.13E-04	3.82E-04	3.49E-04	2.33E-02
3995	471363.09	3854377.25	0.00184	0.00146	0.00077	0.00111	0.00138	0.00128	0.00146	0.00146	8.83E-03	6.21E-05	1.85E-09	2.69E-05	2.98E-04	8.28E-05	2.38E-04	2.29E-04	9.31E-03
3996	471863.09	3854377.25	0.00193	0.00153	0.0008	0.00117	0.00146	0.00134	0.00153	0.00153	9.26E-03	6.51E-05	1.92E-09	2.83E-05	3.15E-04	8.67E-05	2.50E-04	2.40E-04	9.77E-03
3997	472363.09	3854377.25	0.00202	0.00158	0.00082	0.00121	0.00155	0.00138	0.00158	0.00158	9.69E-03	6.72E-05	1.97E-09	2.93E-05	3.34E-04	8.93E-05	2.58E-04	2.48E-04	1.02E-02
3998	472863.09	3854377.25	0.00211	0.00161	0.00085	0.00126	0.00164	0.00143	0.00162	0.00161	1.01E-02	6.85E-05	2.04E-09	3.05E-05	3.54E-04	9.25E-05	2.64E-04	2.52E-04	1.07E-02
3999	473363.09	3854377.25	0.00222	0.00167	0.00088	0.00131	0.00175	0.00148	0.00167	0.00167	1.07E-02	7.11E-05	2.11E-09	3.17E-05	3.77E-04	9.58E-05	2.73E-04	2.62E-04	1.12E-02
4000	473863.09	3854377.25	0.00234	0.00173	0.00092	0.00138	0.00189	0.00154	0.00174	0.00173	1.12E-02	7.36E-05	2.21E-09	3.34E-05	4.08E-04	9.96E-05	2.84E-04	2.71E-04	1.19E-02
4001	474363.09	3854377.25	0.00246	0.00178	0.00096	0.00144	0.00205	0.00161	0.00179	0.00178	1.18E-02	7.57E-05	2.30E-09	3.49E-05	4.42E-04	1.04E-04	2.92E-04	2.79E-04	1.25E-02
4002	474863.09	3854377.25	0.00255	0.00175	0.00099	0.00148	0.00218	0.00165	0.00176	0.00175	1.22E-02	7.45E-05	2.37E-09	3.59E-05	4.70E-04	1.07E-04	2.87E-04	2.74E-04	1.29E-02
4003	475363.09	3854377.25	0.00259	0.00167	0.00101	0.00147	0.00228	0.00167	0.00168	0.00167	1.24E-02	7.11E-05	2.42E-09	3.56E-05	4.92E-04	1.08E-04	2.74E-04	2.62E-04	1.31E-02
4004	475863.09	3854377.25	0.00238	0.00151	0.00104	0.0014	0.00214	0.00163	0.0015	0.00151	1.14E-02	6.42E-05	2.49E-09	3.39E-05	4.62E-04	1.05E-04	2.45E-04	2.37E-04	1.21E-02
4005	476363.09	3854377.25	0.00236	0.00152	0.00108	0.00142	0.0022	0.00167	0.0015	0.00152	1.13E-02	6.47E-05	2.59E-09	3.44E-05	4.74E-04	1.08E-04	2.45E-04	2.38E-04	1.20E-02
4006	476863.09	3854377.25	0.00243	0.00156	0.00115	0.00146	0.00226	0.00172	0.00153	0.00156	1.17E-02	6.64E-05	2.76E-09	3.54E-05	4.87E-04	1.11E-04	2.50E-04	2.44E-04	1.24E-02
4007	477363.09	3854377.25	0.00251	0.00161	0.00122	0.00151	0.0023	0.0018	0.00158	0.00161	1.20E-02	6.85E-05	2.93E-09	3.66E-05	4.96E-04	1.16E-04	2.58E-04	2.52E-04	1.28E-02
4008	477863.09	3854377.25	0.00265	0.00168	0.00129	0.00159	0.00233	0.0019	0.00164	0.00168	1.27E-02	7.15E-05	3.09E-09	3.85E-05	5.03E-04	1.23E-04	2.68E-04	2.63E-04	1.35E-02
4009	478363.09	3854377.25	0.00292	0.00181	0.00139	0.00171	0.00242	0.00204	0.00176	0.00181	1.40E-02	7.70E-05	3.33E-09	4.14E-05	5.22E-04	1.32E-04	2.87E-04	2.84E-04	1.48E-02
4010	478863.09	3854377.25	0.00316	0.0019	0.00151	0.00182	0.0025	0.00215	0.00184	0.0019	1.52E-02	8.08E-05	3.62E-09	4.41E-05	5.39E-04	1.39E-04	3.00E-04	2.98E-04	1.60E-02
4011	479363.09	3854377.25	0.00382	0.00219	0.00171	0.00209	0.00275	0.00243	0.00215	0.00219	1.83E-02	9.32E-05	4.10E-09	5.06E-05	5.93E-04	1.57E-04	3.51E-04	3.43E-04	1.92E-02
4012	479863.09	3854377.25	0.00451	0.00243	0.00199	0.00234	0.00299	0.00274	0.00242	0.00243	2.16E-02	1.03E-04	4.77E-09	5.67E-05	6.45E-04	1.77E-04	3.95E-04	3.81E-04	2.26E-02
4013	480363.09	3854377.25	0.00549	0.00289	0.00249	0.00279	0.00331	0.00326	0.0029	0.00289	2.63E-02	1.23E-04	5.97E-09	6.76E-05	7.14E-04	2.11E-04	4.73E-04	4.53E-04	2.75E-02
4014	480863.09	3854377.25	0.00684	0.00373	0.00323	0.00347	0.00366	0.00422	0.00373	0.00373	3.28E-02	1.59E-04	7.75E-09	8.41E-05	7.89E-04	2.73E-04	6.09E-04	5.84E-04	3.42E-02
4015	481363.09	3854377.25	0.00822	0.00498	0.00449	0.00442	0.00375	0.00585	0.00481	0.00498	3.94E-02	2.12E-04	1.08E-08	1.07E-04	8.09E-04	3.79E-04	7.85E-04	7.80E-04	4.10E-02
4016	481863.09	3854377.25	0.01044	0.00782	0.00762	0.00553	0.00376	0.01021	0.00643	0.00782	5.01E-02	3.33E-04	1.83E-08	1.34E-04	8.11E-04	6.61E-04	1.05E-03	1.23E-03	5.19E-02
4017	482363.09	3854377.25	0.01728	0.01325	0.01115	0.0077	0.00393	0.02289	0.00861	0.01325	8.29E-02	5.64E-04	2.67E-08	1.87E-04	8.48E-04	1.48E-03	1.41E-03	2.08E-03	8.53E-02
4018	482863.09	3854377.25	0.08152	0.20358	0.01447	0.01392	0.00427	0.09094	0.015	0.20358	3.91E-01	8.66E-03	3.47E-08	3.37E-04	9.21E-04	5.88E-03	2.45E-03	3.19E-02	3.78E-01
4019	483363.09	3854377.25	0.10943	0.03528	0.01502	0.0422	0.00445	0.04836	0.05667	0.03528	5.25E-01	1.50E-03	3.60E-08	1.02E-03	9.60E-04	3.13E-03	9.25E-03	5.53E-03	5.35E-01
4020	483863.09	3854377.25	0.06672	0.01637	0.01818	0.27701	0.00434	0.13583	0.09185	0.01637	3.20E-01	6.97E-04	4.36E-08	6.71E-03	9.36E-04	8.79E-03	1.50E-02	2.56E-03	3.50E-01
4021	484363.09	3854377.25	0.04057	0.01066	0.01858	0.05668	0.00441	0.03718	0.03136	0.01066	1.95E-01	4.54E-04	4.46E-08	1.37E-03	9.51E-04	2.41E-03	5.12E-03	1.67E-03	2.03E-01
4022	484863.09	3854377.25	0.02702	0.0079	0.01591	0.02799	0.004	0.02061	0.01734	0.0079	1.30E-01	3.36E-04	3.82E-08	6.78E-04	8.63E-04	1.33E-03	2.83E-03	1.24E-03	1.34E-01
4023	485363.09	3854377.25	0.02464	0.0075	0.01404	0.02364	0.00454	0.01794	0.01519	0.0075	1.18E-01	3.19E-04	3.37E-08	5.73E-04	9.79E-04	1.16E-03	2.48E-03	1.17E-03	1.23E-01
4024	485863.09	3854377.25	0.02003	0.00623	0.01135	0.01665	0.00392	0.01333	0.01111	0.00623	9.61E-02	2.65E-04	2.72E-08	4.03E-04	8.45E-04	8.62E-04	1.81E-03	9.76E-04	9.93E-02
4025	486363.09	3854377.25	0.01861	0.00578	0.0106	0.01448	0.00458	0.01192	0.00978	0.00578	8.93E-02	2.46E-04	2.54E-08	3.51E-04	9.88E-04	7.71E-04	1.60E-03	9.05E-04	9.24E-02
4026	486863.09	3854377.25	0.01671	0.00526	0.00923	0.01213	0.00526	0.01027	0.00831	0.00526	8.02E-02	2.24E-04	2.21E-08	2.94E-04	1.13E-03	6.64E-04	1.36E-03	8.24E-04	8.30E-02
4027	487363.09	3854377.25	0.01591	0.00514	0.00885	0.01114	0.00508	0.00952	0.00777	0.00514	7.64E-02	2.19E-04	2.12E-08	2.70E-04	1.10E-03	6.16E-04	1.27E-03	8.05E-04	7.90E-02
4028	487863.09	3854377.25	0.01535	0.00523	0.00857	0.01055	0.00416	0.00911	0.00757	0.00523	7.37E-02	2.23E-04	2.06E-08	2.56E-04	8.97E-04	5.89E-04	1.24E-03	8.19E-04	7.60E-02
4029	488363.09	3854377.25	0.01465	0.0052	0.00832	0.00985	0.00419	0.00864	0.00724	0.0052	7.03E-02	2.21E-04	2.00E-08	2.39E-04	9.04E-04	5.59E-04	1.18E-03	8.15E-04	7.26E-02
4030	488863.09	3854377.25	0.01404	0.00511	0.00799	0.00922	0.0048	0.00822	0.00689	0.00511	6.74E-02	2.17E-04	1.92E-08	2.23E-04	1.04E-03	5.32E-04	1.12E-03	8.00E-04	6.97E-02
4031	489363.09	3854377.25	0.01347	0.00499	0.00757	0.00866	0.00493	0.00781	0.00653	0.00499	6.46E-02	2.12E-04	1.82E-08	2.10E-04	1.06E-03	5.05E-04	1.07E-03	7.82E-04	6.69E-02
4032	489863.09	3854377.25	0.01292	0.00483	0.00711	0.00814	0.00553	0.00747	0.00618	0.00483	6.20E-02	2.06E-04	1.71E-08	1.97E-04	1.19E-03	4.83E-04	1.01E-03	7.57E-04	6.43E-02
4033	490363.09	3854377.25	0.01241	0.00466	0.00672	0.00766	0.00658	0.0071	0.00584	0.00466	5.96E-02	1.98E-04	1.61E-08	1.86E-04	1.42E-03	4.59E-04	9.53E-04	7.30E-04	6.20E-02
4034	490863.09	3854377.25	0.01144	0.00421	0.00596	0.00676	0.00629	0.00633	0.00516	0.00421	5.49E-02	1.79E-04	1.43E-08	1.64E-04	1.36E-03	4.10E-04	8.42E-04	6.60E-04	5.72E-02
4035	491363.09	3854377.25	0.01137	0.00431	0.00598	0.0068	0.00666	0.00648	0.00522	0.00431	5.46E-02	1.83E-04	1.43E-08	1.65E-04	1.44E-03	4.19E-04	8.52E-04	6.75E-04	5.69E-02
4036	491863.09	3854377.25	0.01114	0.00436	0.00588	0.00667	0.00741	0.0065	0.0052	0.00436	5.35E-02	1.86E-04	1.41E-08	1.62E-04	1.60E-03	4.21E-04	8.49E-04	6.83E-04	5.60E-02
4037	492363.09	3854377.25	0.01083	0.00432	0.00573	0.00647	0.00823	0.00642	0.00509	0.00432	5.20E-02	1.84E-04	1.37E-08	1.57E-04	1.78E-03	4.15E-04	8.31E-04	6.77E-04	5.47E-02
4038	492863.09	3854377.25	0.0105	0.00422	0.00553	0.00631	0.00901	0.00629	0.00491	0.00422	5.04E-02	1.80E-04	1.33E-08	1.53E-04	1.94E-03	4.07E-04	8.01E-04	6.61E-04	5.32E-02
4039	493363.09	3854377.25	0.01015	0.00409	0.00527	0.00615	0.00956	0.00611	0.00471	0.00409	4.87E-02	1.74E-04	1.26E-08	1.49E-04	2.06E-03	3.95E-04	7.69E-04	6.41E-04	5.16E-02
4040	493863.09	3854377.25	0.0098	0.00396	0.00501	0.00581	0.00992	0.00592	0.00451	0.00396	4.70E-02	1.68E-04	1.20E-08	1.41E-04	2.14E-03	3.83E-04	7.36E-04	6.20E-04	5.00E-02
4041	494363.09	3854377.25	0.00946	0.00383	0.00484	0.00596	0.00999	0.00572	0.00433	0.00383	4.54E-02	1.63E-04	1.16E-08	1.44E-04	2.15E-03	3.70E-04	7.07E-04	6.00E-04	4.83E-02
4042	494863.09	3854377.25	0.00865	0.0035	0.00438	0.0052	0.00924	0.00525	0.0039	0.0035	4.15E-02	1.49E-04	1.05E-08	1.26E-04	1.99E-03	3.40E-04	6.37E-04	5.48E-04	4.42E-02
4043	495363.09	3854377.25	0.00755	0.00314	0.00394	0.00462	0.00843	0.00478	0.00346	0.00314	3.62E-02	1.34E-04	9.45E-09	1.12E-04	1.82E-03	3.09E-04	5.65E-04	4.92E-04	3.87E-02

4044	495863.09	3854377.25	0.00677	0.00291	0.00364	0.00435	0.00789	0.0045	0.00316	0.00291	3.25E-02	1.24E-04	8.73E-09	1.05E-04	1.70E-03	2.91E-04	5.16E-04	4.56E-04	3.48E-02
4045	496363.09	3854377.25	0.0064	0.00279	0.00349	0.00424	0.00756	0.00433	0.003	0.00279	3.07E-02	1.19E-04	8.37E-09	1.03E-04	1.63E-03	2.80E-04	4.90E-04	4.37E-04	3.29E-02
4046	496863.09	3854377.25	0.0059	0.00265	0.0033	0.00409	0.00719	0.00408	0.00281	0.00265	2.83E-02	1.13E-04	7.91E-09	9.91E-05	1.55E-03	2.64E-04	4.59E-04	4.15E-04	3.04E-02
4047	497363.09	3854377.25	0.0052	0.00242	0.00305	0.00385	0.00668	0.00376	0.00253	0.00242	2.50E-02	1.03E-04	7.31E-09	9.33E-05	1.44E-03	2.43E-04	4.13E-04	3.79E-04	2.69E-02
4048	497863.09	3854377.25	0.00524	0.00244	0.00304	0.00394	0.00667	0.00379	0.00255	0.00244	2.51E-02	1.04E-04	7.29E-09	9.55E-05	1.44E-03	2.45E-04	4.16E-04	3.82E-04	2.71E-02
4049	498363.09	3854377.25	0.00485	0.00231	0.00287	0.00382	0.00631	0.00359	0.0024	0.00231	2.33E-02	9.83E-05	6.88E-09	9.25E-05	1.36E-03	2.32E-04	3.92E-04	3.62E-04	2.51E-02
4050	471363.09	3854877.25	0.00181	0.00144	0.00076	0.00111	0.00141	0.00127	0.00144	0.00144	8.69E-03	6.13E-05	1.82E-09	2.69E-05	3.04E-04	8.22E-05	2.35E-04	2.26E-04	9.17E-03
4051	471863.09	3854877.25	0.00189	0.00149	0.00079	0.00116	0.00147	0.00133	0.00149	0.00149	9.07E-03	6.34E-05	1.89E-09	2.81E-05	3.17E-04	8.61E-05	2.43E-04	2.33E-04	9.57E-03
4052	472363.09	3854877.25	0.00197	0.00153	0.00082	0.00121	0.00151	0.00139	0.00153	0.00153	9.45E-03	6.51E-05	1.97E-09	2.93E-05	3.26E-04	8.99E-05	2.50E-04	2.40E-04	9.97E-03
4053	472863.09	3854877.25	0.00205	0.00154	0.00085	0.00124	0.00155	0.00144	0.00154	0.00154	9.84E-03	6.55E-05	2.04E-09	3.00E-05	3.34E-04	9.32E-05	2.51E-04	2.41E-04	1.04E-02
4054	473363.09	3854877.25	0.00216	0.0016	0.00089	0.0013	0.00162	0.00151	0.0016	0.0016	1.04E-02	6.81E-05	2.13E-09	3.15E-05	3.49E-04	9.77E-05	2.61E-04	2.51E-04	1.09E-02
4055	473863.09	3854877.25	0.00227	0.00166	0.00093	0.00136	0.0017	0.00158	0.00166	0.00166	1.09E-02	7.06E-05	2.23E-09	3.29E-05	3.67E-04	1.02E-04	2.71E-04	2.60E-04	1.15E-02
4056	474363.09	3854877.25	0.00241	0.00174	0.00098	0.00144	0.00181	0.00166	0.00174	0.00174	1.16E-02	7.40E-05	2.35E-09	3.49E-05	3.90E-04	1.07E-04	2.84E-04	2.73E-04	1.22E-02
4057	474863.09	3854877.25	0.00246	0.00162	0.00097	0.00142	0.00182	0.00162	0.00162	0.00162	1.18E-02	6.89E-05	2.33E-09	3.44E-05	3.93E-04	1.05E-04	2.64E-04	2.54E-04	1.24E-02
4058	475363.09	3854877.25	0.00238	0.0015	0.00099	0.00139	0.00179	0.00161	0.00148	0.0015	1.14E-02	6.38E-05	2.37E-09	3.37E-05	3.86E-04	1.04E-04	2.42E-04	2.35E-04	1.20E-02
4059	475863.09	3854877.25	0.00228	0.00141	0.00101	0.00137	0.00184	0.0016	0.00138	0.00141	1.09E-02	6.00E-05	2.42E-09	3.32E-05	3.97E-04	1.04E-04	2.25E-04	2.21E-04	1.15E-02
4060	476363.09	3854877.25	0.00209	0.0013	0.00102	0.00132	0.00188	0.00157	0.00125	0.0013	1.00E-02	5.53E-05	2.45E-09	3.20E-05	4.05E-04	1.02E-04	2.04E-04	2.04E-04	1.06E-02
4061	476863.09	3854877.25	0.00218	0.00132	0.00106	0.00137	0.00203	0.00163	0.00128	0.00132	1.05E-02	5.62E-05	2.54E-09	3.32E-05	4.38E-04	1.05E-04	2.09E-04	2.07E-04	1.11E-02
4062	477363.09	3854877.25	0.0024	0.00144	0.00116	0.00146	0.00223	0.00174	0.00139	0.00144	1.15E-02	6.13E-05	2.78E-09	3.54E-05	4.81E-04	1.13E-04	2.27E-04	2.26E-04	1.22E-02
4063	477863.09	3854877.25	0.00259	0.00156	0.00125	0.00156	0.00241	0.00186	0.00151	0.00156	1.24E-02	6.64E-05	3.00E-09	3.78E-05	5.20E-04	1.20E-04	2.46E-04	2.44E-04	1.32E-02
4064	478363.09	3854877.25	0.00301	0.00176	0.00141	0.0017	0.00262	0.00206	0.00171	0.00176	1.44E-02	7.49E-05	3.38E-09	4.12E-05	5.65E-04	1.33E-04	2.79E-04	2.76E-04	1.53E-02
4065	478863.09	3854877.25	0.00355	0.00202	0.0016	0.00192	0.00294	0.00232	0.00197	0.00202	1.70E-02	8.59E-05	3.84E-09	4.65E-05	6.34E-04	1.50E-04	3.22E-04	3.16E-04	1.80E-02
4066	479363.09	3854877.25	0.00438	0.00229	0.00183	0.00225	0.00327	0.00265	0.00226	0.00229	2.10E-02	9.74E-05	4.39E-09	5.45E-05	7.05E-04	1.71E-04	3.69E-04	3.59E-04	2.21E-02
4067	479863.09	3854877.25	0.00527	0.0026	0.00211	0.00267	0.00356	0.00305	0.0026	0.0026	2.53E-02	1.11E-04	5.06E-09	6.47E-05	7.68E-04	1.97E-04	4.24E-04	4.07E-04	2.64E-02
4068	480363.09	3854877.25	0.00621	0.0029	0.00242	0.00309	0.00366	0.00354	0.00295	0.0029	2.98E-02	1.23E-04	5.80E-09	7.49E-05	7.89E-04	2.29E-04	4.82E-04	4.54E-04	3.10E-02
4069	480863.09	3854877.25	0.00748	0.00357	0.003	0.00375	0.00391	0.00449	0.00362	0.00357	3.59E-02	1.52E-04	7.20E-09	9.09E-05	8.43E-04	2.91E-04	5.91E-04	5.59E-04	3.73E-02
4070	481363.09	3854877.25	0.00915	0.0044	0.00411	0.00445	0.00424	0.00575	0.00427	0.0044	4.39E-02	1.87E-04	9.86E-09	1.08E-04	9.14E-04	3.72E-04	6.97E-04	6.89E-04	4.55E-02
4071	481863.09	3854877.25	0.01258	0.00504	0.00576	0.00527	0.00456	0.00721	0.00473	0.00504	6.04E-02	2.14E-04	1.38E-08	1.28E-04	9.83E-04	4.67E-04	7.72E-04	7.90E-04	6.21E-02
4072	482363.09	3854877.25	0.01883	0.01	0.01406	0.00667	0.00472	0.0171	0.00618	0.01	9.04E-02	4.25E-04	3.37E-08	1.62E-04	1.02E-03	1.11E-03	1.01E-03	1.57E-03	9.25E-02
4073	482863.09	3854877.25	0.08328	0.0242	0.06642	0.00916	0.0049	0.05843	0.00783	0.0242	4.00E-01	1.03E-03	1.59E-07	2.22E-04	1.06E-03	3.78E-03	1.28E-03	3.79E-03	4.03E-01
4074	483363.09	3854877.25	0.1151	0.11658	1.36499	0.01359	0.00523	0.07591	0.01103	0.11658	5.52E-01	4.96E-03	3.27E-06	3.29E-04	1.13E-03	4.91E-03	1.80E-03	1.83E-02	5.47E-01
4075	483863.09	3854877.25	0.12908	0.02868	0.19176	0.02664	0.00572	0.03778	0.02107	0.02868	6.19E-01	1.22E-03	4.60E-07	6.45E-04	1.23E-03	2.44E-03	3.44E-03	4.49E-03	6.24E-01
4076	484363.09	3854877.25	0.13533	0.0155	0.06176	0.11035	0.00573	0.11932	0.12829	0.0155	6.49E-01	6.60E-04	1.48E-07	2.67E-03	1.24E-03	7.72E-03	2.09E-02	2.43E-03	6.80E-01
4077	484863.09	3854877.25	0.07102	0.01157	0.03296	0.19305	0.00592	0.08641	0.08215	0.01157	3.41E-01	4.92E-04	7.90E-08	4.68E-03	1.28E-03	5.59E-03	1.34E-02	1.81E-03	3.64E-01
4078	485363.09	3854877.25	0.04577	0.0094	0.02171	0.05786	0.00602	0.03598	0.03138	0.0094	2.20E-01	4.00E-04	5.21E-08	1.40E-03	1.30E-03	2.33E-03	5.12E-03	1.47E-03	2.29E-01
4079	485863.09	3854877.25	0.03517	0.00802	0.01666	0.03294	0.00615	0.02298	0.01921	0.00802	1.69E-01	3.41E-04	4.00E-08	7.98E-04	1.33E-03	1.49E-03	3.14E-03	1.26E-03	1.75E-01
4080	486363.09	3854877.25	0.02876	0.00702	0.01381	0.02289	0.00618	0.01715	0.0139	0.00702	1.38E-01	2.99E-04	3.31E-08	5.55E-04	1.33E-03	1.11E-03	2.27E-03	1.10E-03	1.42E-01
4081	486863.09	3854877.25	0.02473	0.00633	0.01205	0.01786	0.00721	0.01405	0.01112	0.00633	1.19E-01	2.69E-04	2.89E-08	4.33E-04	1.56E-03	9.09E-04	1.82E-03	9.92E-04	1.23E-01
4082	487363.09	3854877.25	0.02233	0.00596	0.01127	0.01558	0.00795	0.01261	0.00975	0.00596	1.07E-01	2.54E-04	2.70E-08	3.77E-04	1.71E-03	8.16E-04	1.59E-03	9.34E-04	1.11E-01
4083	487863.09	3854877.25	0.02035	0.00571	0.01082	0.01394	0.00593	0.01153	0.00881	0.00571	9.77E-02	2.43E-04	2.60E-08	3.38E-04	1.28E-03	7.46E-04	1.44E-03	8.94E-04	1.01E-01
4084	488363.09	3854877.25	0.01878	0.00561	0.0103	0.01271	0.00618	0.01072	0.00819	0.00561	9.01E-02	2.39E-04	2.47E-08	3.08E-04	1.33E-03	6.94E-04	1.34E-03	8.79E-04	9.32E-02
4085	488863.09	3854877.25	0.01761	0.0056	0.00973	0.01176	0.00724	0.01016	0.00777	0.0056	8.45E-02	2.38E-04	2.33E-08	2.85E-04	1.56E-03	6.57E-04	1.27E-03	8.77E-04	8.76E-02
4086	489363.09	3854877.25	0.01653	0.00548	0.00906	0.01086	0.0082	0.00959	0.00731	0.00548	7.93E-02	2.33E-04	2.17E-08	2.63E-04	1.77E-03	6.20E-04	1.19E-03	8.58E-04	8.25E-02
4087	489863.09	3854877.25	0.01551	0.0052	0.00829	0.00992	0.00905	0.00888	0.00676	0.0052	7.44E-02	2.21E-04	1.99E-08	2.40E-04	1.95E-03	5.75E-04	1.10E-03	8.15E-04	7.77E-02
4088	490363.09	3854877.25	0.01404	0.0045	0.00682	0.00829	0.0084	0.00754	0.00569	0.0045	6.74E-02	1.91E-04	1.64E-08	2.01E-04	1.81E-03	4.88E-04	9.29E-04	7.05E-04	7.03E-02
4089	490863.09	3854877.25	0.01142	0.00386	0.00567	0.00666	0.00772	0.00633	0.00463	0.00386	5.48E-02	1.64E-04	1.36E-08	1.61E-04	1.67E-03	4.10E-04	7.56E-04	6.05E-04	5.74E-02
4090	491363.09	3854877.25	0.0117	0.00395	0.00555	0.00675	0.00856	0.00643	0.00473	0.00395	5.61E-02	1.68E-04	1.33E-08	1.64E-04	1.85E-03	4.16E-04	7.72E-04	6.19E-04	5.89E-02
4091	491863.09	3854877.25	0.01275	0.00462	0.00646	0.00787	0.01194	0.00755	0.00553	0.00462	6.12E-02	1.97E-04	1.55E-08	1.91E-04	2.58E-03	4.89E-04	9.03E-04	7.24E-04	6.48E-02
4092	492363.09	3854877.25	0.01229	0.00459	0.00638	0.00762	0.01345	0.00746	0.00539	0.00459	5.90E-02	1.95E-04	1.53E-08	1.85E-04	2.90E-03	4.83E-04	8.80E-04	7.19E-04	6.29E-02
4093	492863.09	3854877.25	0.01181	0.00444	0.00603	0.0076	0.01392	0.00724	0.00515	0.00444	5.67E-02	1.89E-04	1.45E-08	1.84E-04	3.00E-03	4.68E-04	8.41E-04	6.96E-04	6.07E-02
4094	493363.09	3854877.25	0.01132	0.00425	0.00566	0.00691	0.01386	0.00697	0.00489	0.00425	5.43E-02	1.81E-04	1.36E-08	1.67E-04	2.99E-03	4.51E-04	7.98E-04	6.66E-04	5.82E-02
4095	493863.09	3854877.25	0.01088	0.0041	0.0055	0.00711	0.01362	0.00671	0.00468	0.0041	5.22E-02	1.74E-04	1.32E-08	1.72E-04	2.94E-03	4.34E-04	7.64E-04	6.42E-04	5.61E-02
4096	494363.09	3854877.25	0.00981	0.00363	0.0048	0.00599	0.01169	0.00594	0.00409	0.00363	4.71E-02	1.54E-04	1.15E-08	1.45E-04	2.52E-03	3.84E-04	6.68E-04	5.69E-04	5.04E-02
4097	494863.09	3854877.25	0.00811	0.00317	0.00418	0.00512	0.01009	0.00523	0.00348	0.00317	3.89E-02	1.35E-04	1.00E-08	1.24E-04	2.18E-03	3.38E-04	5.68E-04	4.97E-04	4.18E-02
4098	495363.09	3854877.25	0.00703	0.00288	0.00379	0.00474	0.00918	0.0048	0.0031	0.00288	3.37E-02	1.23E-04	9.09E-09	1.15E-04	1.98E-03	3.11E-04	5.06E-04	4.51E-04	3.63E-02
4099	495863.09	3854877.25	0.00642	0.00272	0.00355	0.00456	0.00862	0.00454	0.00289	0.00272	3.08E-02	1.16E-04	8.51E-09	1.10E-04	1.86E-03	2.94E-04	4.72E-04	4.26E-04	3.32E-02
4100	496363.09	3854877.25	0.00569	0.0025	0.00328	0.00433	0.00798	0.00418	0.00261	0.0025	2.73E-02	1.06E-04	7.87E-09	1.05E-04	1.72E-03	2.70E-04	4.26E-04	3.92E-04	2.95E-02

4101	496863.09	3854877.25	0.00526	0.00236	0.00309	0.00419	0.00746	0.00393	0.00245	0.00236	2.52E-02	1.00E-04	7.41E-09	1.02E-04	1.61E-03	2.54E-04	4.00E-04	3.70E-04	2.73E-02
4102	497363.09	3854877.25	0.0051	0.00232	0.00302	0.00417	0.00714	0.00385	0.0024	0.00232	2.45E-02	9.87E-05	7.24E-09	1.01E-04	1.54E-03	2.49E-04	3.92E-04	3.63E-04	2.65E-02
4103	497863.09	3854877.25	0.00525	0.0024	0.0031	0.0043	0.00724	0.00395	0.00248	0.0024	2.52E-02	1.02E-04	7.43E-09	1.04E-04	1.56E-03	2.56E-04	4.05E-04	3.76E-04	2.72E-02
4104	498363.09	3854877.25	0.00513	0.00237	0.00304	0.00426	0.00701	0.00391	0.00244	0.00237	2.46E-02	1.01E-04	7.29E-09	1.03E-04	1.51E-03	2.53E-04	3.98E-04	3.71E-04	2.66E-02
4105	471363.09	3855377.25	0.00176	0.00141	0.00073	0.00108	0.00143	0.00123	0.00142	0.00141	8.45E-03	6.00E-05	1.75E-09	2.62E-05	3.08E-04	7.96E-05	2.32E-04	2.21E-04	8.93E-03
4106	471863.09	3855377.25	0.00184	0.00144	0.00076	0.00113	0.00149	0.00128	0.00145	0.00144	8.83E-03	6.13E-05	1.82E-09	2.74E-05	3.21E-04	8.28E-05	2.37E-04	2.26E-04	9.33E-03
4107	472363.09	3855377.25	0.00194	0.00149	0.0008	0.00118	0.00157	0.00135	0.0015	0.00149	9.31E-03	6.34E-05	1.92E-09	2.86E-05	3.39E-04	8.73E-05	2.45E-04	2.33E-04	9.84E-03
4108	472863.09	3855377.25	0.00202	0.00151	0.00083	0.00124	0.00162	0.00142	0.00152	0.00151	9.69E-03	6.42E-05	1.99E-09	3.00E-05	3.49E-04	9.19E-05	2.48E-04	2.37E-04	1.02E-02
4109	473363.09	3855377.25	0.00213	0.00158	0.00088	0.00131	0.00171	0.00151	0.00159	0.00158	1.02E-02	6.72E-05	2.11E-09	3.17E-05	3.69E-04	9.77E-05	2.60E-04	2.48E-04	1.08E-02
4110	473863.09	3855377.25	0.00224	0.00164	0.00094	0.00139	0.00179	0.0016	0.00165	0.00164	1.07E-02	6.98E-05	2.25E-09	3.37E-05	3.86E-04	1.04E-04	2.69E-04	2.57E-04	1.14E-02
4111	474363.09	3855377.25	0.00237	0.00169	0.00097	0.00146	0.00187	0.00168	0.0017	0.00169	1.14E-02	7.19E-05	2.33E-09	3.54E-05	4.03E-04	1.09E-04	2.77E-04	2.65E-04	1.20E-02
4112	474863.09	3855377.25	0.00243	0.00158	0.00097	0.00143	0.00181	0.00166	0.00159	0.00158	1.17E-02	6.72E-05	2.33E-09	3.46E-05	3.90E-04	1.07E-04	2.60E-04	2.48E-04	1.23E-02
4113	475363.09	3855377.25	0.00201	0.00128	0.00093	0.00127	0.00154	0.00152	0.00126	0.00128	9.65E-03	5.45E-05	2.23E-09	3.08E-05	3.32E-04	9.83E-05	2.06E-04	2.01E-04	1.02E-02
4114	475863.09	3855377.25	0.00194	0.00123	0.00095	0.00124	0.00155	0.00152	0.00119	0.00123	9.31E-03	5.23E-05	2.28E-09	3.00E-05	3.34E-04	9.83E-05	1.94E-04	1.93E-04	9.83E-03
4115	476363.09	3855377.25	0.0021	0.00131	0.00101	0.00133	0.00168	0.00161	0.00127	0.00131	1.01E-02	5.57E-05	2.42E-09	3.22E-05	3.62E-04	1.04E-04	2.07E-04	2.05E-04	1.06E-02
4116	476863.09	3855377.25	0.0022	0.00134	0.00106	0.00137	0.00179	0.00167	0.00129	0.00134	1.06E-02	5.70E-05	2.54E-09	3.32E-05	3.86E-04	1.08E-04	2.11E-04	2.10E-04	1.11E-02
4117	477363.09	3855377.25	0.00236	0.00141	0.00112	0.00146	0.00193	0.00176	0.00136	0.00141	1.13E-02	6.00E-05	2.69E-09	3.54E-05	4.16E-04	1.14E-04	2.22E-04	2.21E-04	1.20E-02
4118	477863.09	3855377.25	0.00268	0.00156	0.00121	0.00159	0.00212	0.00192	0.00151	0.00156	1.29E-02	6.64E-05	2.90E-09	3.85E-05	4.57E-04	1.24E-04	2.46E-04	2.44E-04	1.35E-02
4119	478363.09	3855377.25	0.00311	0.00173	0.00135	0.00176	0.00236	0.0021	0.00169	0.00173	1.49E-02	7.36E-05	3.24E-09	4.26E-05	5.09E-04	1.36E-04	2.76E-04	2.71E-04	1.57E-02
4120	478863.09	3855377.25	0.00359	0.00192	0.00148	0.00196	0.00267	0.00232	0.00188	0.00192	1.72E-02	8.17E-05	3.55E-09	4.75E-05	5.76E-04	1.50E-04	3.07E-04	3.01E-04	1.81E-02
4121	479363.09	3855377.25	0.00437	0.00214	0.00168	0.00227	0.00319	0.00264	0.00214	0.00214	2.10E-02	9.11E-05	4.03E-09	5.50E-05	6.88E-04	1.71E-04	3.49E-04	3.35E-04	2.20E-02
4122	479863.09	3855377.25	0.00522	0.00239	0.00196	0.00263	0.00365	0.00304	0.00242	0.00239	2.51E-02	1.02E-04	4.70E-09	6.37E-05	7.87E-04	1.97E-04	3.95E-04	3.74E-04	2.62E-02
4123	480363.09	3855377.25	0.00647	0.00279	0.00249	0.00323	0.00448	0.00367	0.00289	0.00279	3.10E-02	1.19E-04	5.97E-09	7.83E-05	9.66E-04	2.37E-04	4.72E-04	4.37E-04	3.25E-02
4124	480863.09	3855377.25	0.00777	0.00344	0.00355	0.00387	0.00492	0.00459	0.00345	0.00344	3.73E-02	1.46E-04	8.51E-09	9.38E-05	1.06E-03	2.97E-04	5.63E-04	5.39E-04	3.89E-02
4125	481363.09	3855377.25	0.00911	0.00441	0.00515	0.00452	0.00522	0.00602	0.00401	0.00441	4.37E-02	1.88E-04	1.24E-08	1.10E-04	1.13E-03	3.90E-04	6.55E-04	6.91E-04	4.55E-02
4126	481863.09	3855377.25	0.01183	0.00564	0.00715	0.00509	0.00534	0.00795	0.00448	0.00564	5.68E-02	2.40E-04	1.71E-08	1.23E-04	1.15E-03	5.14E-04	7.31E-04	8.84E-04	5.86E-02
4127	482363.09	3855377.25	0.01879	0.00741	0.01058	0.00586	0.0055	0.0108	0.00493	0.00741	9.02E-02	3.15E-04	2.54E-08	1.42E-04	1.19E-03	6.99E-04	8.05E-04	1.16E-03	9.22E-02
4128	482863.09	3855377.25	0.08236	0.01098	0.01811	0.00706	0.00593	0.01686	0.00566	0.01098	3.95E-01	4.67E-04	4.34E-08	1.71E-04	1.28E-03	1.09E-03	9.24E-04	1.72E-03	3.97E-01
4129	483363.09	3855377.25	0.11532	0.02439	0.02312	0.00877	0.0064	0.12606	0.00675	0.02439	5.53E-01	1.04E-03	5.54E-08	2.12E-04	1.38E-03	8.16E-03	1.10E-03	3.82E-03	5.61E-01
4130	483863.09	3855377.25	0.12886	0.15792	0.02546	0.01162	0.00691	0.04663	0.009	0.15792	6.18E-01	6.72E-03	6.11E-08	2.82E-04	1.49E-03	3.02E-03	1.47E-03	2.47E-02	6.07E-01
4131	484363.09	3855377.25	0.13835	0.03146	0.02869	0.01835	0.00773	0.02814	0.01369	0.03146	6.64E-01	1.34E-03	6.88E-08	4.45E-04	1.67E-03	1.82E-03	2.23E-03	4.93E-03	6.67E-01
4132	484863.09	3855377.25	0.14023	0.01891	0.02251	0.04131	0.00848	0.03998	0.03747	0.01891	6.73E-01	8.05E-04	5.40E-08	1.00E-03	1.83E-03	2.59E-03	6.12E-03	2.96E-03	6.82E-01
4133	485363.09	3855377.25	0.08649	0.01353	0.0219	0.32614	0.00892	0.11725	0.08666	0.01353	4.15E-01	5.76E-04	5.25E-08	7.90E-03	1.92E-03	7.59E-03	1.41E-02	2.12E-03	4.45E-01
4134	485863.09	3855377.25	0.05359	0.01077	0.02048	0.06607	0.00969	0.03974	0.03164	0.01077	2.57E-01	4.58E-04	4.91E-08	1.60E-03	2.09E-03	2.57E-03	5.16E-03	1.69E-03	2.67E-01
4135	486363.09	3855377.25	0.04187	0.00889	0.01838	0.03664	0.01007	0.02513	0.0196	0.00889	2.01E-01	3.78E-04	4.41E-08	8.88E-04	2.17E-03	1.63E-03	3.20E-03	1.39E-03	2.08E-01
4136	486863.09	3855377.25	0.03446	0.0077	0.01595	0.02544	0.0111	0.01882	0.01436	0.0077	1.65E-01	3.28E-04	3.83E-08	6.16E-04	2.39E-03	1.22E-03	2.34E-03	1.21E-03	1.71E-01
4137	487363.09	3855377.25	0.02957	0.00728	0.0146	0.02113	0.0129	0.01636	0.01227	0.00728	1.42E-01	3.10E-04	3.50E-08	5.12E-04	2.78E-03	1.06E-03	2.00E-03	1.14E-03	1.47E-01
4138	487863.09	3855377.25	0.0259	0.00686	0.01347	0.01821	0.00995	0.01456	0.01073	0.00686	1.24E-01	2.92E-04	3.23E-08	4.41E-04	2.15E-03	9.42E-04	1.75E-03	1.07E-03	1.29E-01
4139	488363.09	3855377.25	0.0231	0.0065	0.01242	0.01615	0.01027	0.01327	0.00956	0.0065	1.11E-01	2.77E-04	2.98E-08	3.91E-04	2.21E-03	8.59E-04	1.56E-03	1.02E-03	1.15E-01
4140	488863.09	3855377.25	0.02096	0.00623	0.01153	0.01451	0.01278	0.01233	0.00868	0.00623	1.01E-01	2.65E-04	2.77E-08	3.52E-04	2.76E-03	7.98E-04	1.42E-03	9.76E-04	1.05E-01
4141	489363.09	3855377.25	0.01933	0.00598	0.01038	0.01318	0.01454	0.01147	0.00798	0.00598	9.28E-02	2.54E-04	2.49E-08	3.19E-04	3.14E-03	7.42E-04	1.30E-03	9.37E-04	9.76E-02
4142	489863.09	3855377.25	0.01809	0.00569	0.00958	0.01204	0.01599	0.01062	0.00739	0.00569	8.68E-02	2.42E-04	2.30E-08	2.92E-04	3.45E-03	6.87E-04	1.21E-03	8.91E-04	9.18E-02
4143	490363.09	3855377.25	0.01693	0.0056	0.00872	0.01138	0.01721	0.01023	0.007	0.0056	8.12E-02	2.38E-04	2.09E-08	2.76E-04	3.71E-03	6.62E-04	1.14E-03	8.77E-04	8.64E-02
4144	490863.09	3855377.25	0.01498	0.00446	0.00662	0.00887	0.01388	0.00804	0.00556	0.00446	7.19E-02	1.90E-04	1.59E-08	2.15E-04	2.99E-03	5.20E-04	9.08E-04	6.99E-04	7.60E-02
4145	491363.09	3855377.25	0.01339	0.00414	0.00606	0.00787	0.01443	0.00734	0.00499	0.00414	6.43E-02	1.76E-04	1.45E-08	1.91E-04	3.11E-03	4.75E-04	8.15E-04	6.49E-04	6.84E-02
4146	491863.09	3855377.25	0.01434	0.00492	0.00704	0.0093	0.02018	0.00873	0.00586	0.00492	6.88E-02	2.09E-04	1.69E-08	2.25E-04	4.35E-03	5.65E-04	9.57E-04	7.71E-04	7.44E-02
4147	492363.09	3855377.25	0.01368	0.00485	0.00673	0.00905	0.02047	0.0086	0.00565	0.00485	6.56E-02	2.06E-04	1.61E-08	2.19E-04	4.41E-03	5.56E-04	9.22E-04	7.60E-04	7.12E-02
4148	492863.09	3855377.25	0.01304	0.00465	0.00635	0.00854	0.01986	0.00826	0.00537	0.00465	6.26E-02	1.98E-04	1.52E-08	2.07E-04	4.28E-03	5.34E-04	8.77E-04	7.28E-04	6.79E-02
4149	493363.09	3855377.25	0.01234	0.00432	0.00598	0.00836	0.01826	0.00772	0.00499	0.00432	5.92E-02	1.84E-04	1.43E-08	2.03E-04	3.94E-03	5.00E-04	8.15E-04	6.77E-04	6.42E-02
4150	493863.09	3855377.25	0.01114	0.00384	0.00522	0.00711	0.0155	0.00683	0.00436	0.00384	5.35E-02	1.63E-04	1.25E-08	1.72E-04	3.34E-03	4.42E-04	7.12E-04	6.02E-04	5.77E-02
4151	494363.09	3855377.25	0.00923	0.00336	0.00452	0.00612	0.01308	0.00597	0.0037	0.00336	4.43E-02	1.43E-04	1.08E-08	1.48E-04	2.82E-03	3.86E-04	6.04E-04	5.26E-04	4.79E-02
4152	494863.09	3855377.25	0.00755	0.00295	0.00396	0.00545	0.0112	0.00527	0.00315	0.00295	3.62E-02	1.26E-04	9.50E-09	1.32E-04	2.42E-03	3.41E-04	5.14E-04	4.62E-04	3.93E-02
4153	495363.09	3855377.25	0.00645	0.00267	0.00361	0.0051	0.00993	0.00476	0.0028	0.00267	3.10E-02	1.14E-04	8.66E-09	1.24E-04	2.14E-03	3.08E-04	4.57E-04	4.18E-04	3.37E-02
4154	495863.09	3855377.25	0.00578	0.00247	0.00336	0.00485	0.00902	0.00442	0.00256	0.00247	2.77E-02	1.05E-04	8.06E-09	1.18E-04	1.95E-03	2.86E-04	4.18E-04	3.87E-04	3.02E-02
4155	496363.09	3855377.25	0.00558	0.00243	0.00327	0.00481	0.00857	0.00432	0.0025	0.00243	2.68E-02	1.03E-04	7.84E-09	1.17E-04	1.85E-03	2.80E-04	4.08E-04	3.81E-04	2.92E-02
4156	496863.09	3855377.25	0.00542	0.00239	0.00322	0.00474	0.00815	0.00422	0.00245	0.00239	2.60E-02	1.02E-04	7.72E-09	1.15E-04	1.76E-03	2.73E-04	4.00E-04	3.74E-04	2.83E-02
4157	497363.09	3855377.25	0.00536	0.00239	0.00319	0.00474	0.00794	0.0042	0.00246	0.00239	2.57E-02	1.02E-04	7.65E-09	1.15E-04	1.71E-03	2.72E-04	4.02E-04	3.74E-04	2.80E-02

4158	497863.09	3855377.25	0.00541	0.00244	0.00324	0.00478	0.00779	0.00425	0.00249	0.00244	2.60E-02	1.04E-04	7.77E-09	1.16E-04	1.68E-03	2.75E-04	4.06E-04	3.82E-04	2.82E-02
4159	498363.09	3855377.25	0.00551	0.00249	0.00326	0.00485	0.0077	0.00435	0.00255	0.00249	2.64E-02	1.06E-04	7.82E-09	1.18E-04	1.66E-03	2.81E-04	4.16E-04	3.90E-04	2.86E-02
4160	471363.09	3855877.25	0.0017	0.00138	0.00071	0.00108	0.00132	0.00121	0.00139	0.00138	8.16E-03	5.87E-05	1.70E-09	2.62E-05	2.85E-04	7.83E-05	2.27E-04	2.16E-04	8.62E-03
4161	471863.09	3855877.25	0.00178	0.00141	0.00074	0.00112	0.00138	0.00126	0.00143	0.00141	8.54E-03	6.00E-05	1.77E-09	2.71E-05	2.98E-04	8.15E-05	2.33E-04	2.21E-04	9.02E-03
4162	472363.09	3855877.25	0.00188	0.00147	0.00079	0.00118	0.00146	0.00134	0.00149	0.00147	9.02E-03	6.25E-05	1.89E-09	2.86E-05	3.15E-04	8.67E-05	2.43E-04	2.30E-04	9.53E-03
4163	472863.09	3855877.25	0.00197	0.00148	0.00082	0.00122	0.00152	0.00139	0.0015	0.00148	9.45E-03	6.30E-05	1.97E-09	2.96E-05	3.28E-04	8.99E-05	2.45E-04	2.32E-04	9.98E-03
4164	473363.09	3855877.25	0.00209	0.00155	0.00089	0.00131	0.00162	0.00149	0.00158	0.00155	1.00E-02	6.60E-05	2.13E-09	3.17E-05	3.49E-04	9.64E-05	2.58E-04	2.43E-04	1.06E-02
4165	473863.09	3855877.25	0.00222	0.00161	0.00094	0.00139	0.00172	0.00159	0.00164	0.00161	1.07E-02	6.85E-05	2.25E-09	3.37E-05	3.71E-04	1.03E-04	2.68E-04	2.52E-04	1.12E-02
4166	474363.09	3855877.25	0.00234	0.00165	0.00097	0.00147	0.00182	0.00167	0.00168	0.00165	1.12E-02	7.02E-05	2.33E-09	3.56E-05	3.93E-04	1.08E-04	2.74E-04	2.58E-04	1.19E-02
4167	474863.09	3855877.25	0.00239	0.00151	0.00094	0.00142	0.00177	0.00162	0.00154	0.00151	1.15E-02	6.42E-05	2.25E-09	3.44E-05	3.82E-04	1.05E-04	2.51E-04	2.37E-04	1.21E-02
4168	475363.09	3855877.25	0.00215	0.00132	0.00093	0.00131	0.0016	0.00154	0.00131	0.00132	1.03E-02	5.62E-05	2.23E-09	3.17E-05	3.45E-04	9.96E-05	2.14E-04	2.07E-04	1.09E-02
4169	475863.09	3855877.25	0.00175	0.0011	0.00085	0.00116	0.00144	0.00142	0.00107	0.0011	8.40E-03	4.68E-05	2.04E-09	2.81E-05	3.11E-04	9.19E-05	1.75E-04	1.72E-04	8.88E-03
4170	476363.09	3855877.25	0.00185	0.00114	0.0009	0.00122	0.00152	0.0015	0.00111	0.00114	8.88E-03	4.85E-05	2.16E-09	2.96E-05	3.28E-04	9.71E-05	1.81E-04	1.79E-04	9.38E-03
4171	476863.09	3855877.25	0.00214	0.0013	0.00101	0.00137	0.00167	0.00168	0.00126	0.0013	1.03E-02	5.53E-05	2.42E-09	3.32E-05	3.60E-04	1.09E-04	2.06E-04	2.04E-04	1.08E-02
4172	477363.09	3855877.25	0.00238	0.00141	0.0011	0.00148	0.0018	0.00181	0.00137	0.00141	1.14E-02	6.00E-05	2.64E-09	3.59E-05	3.88E-04	1.17E-04	2.24E-04	2.21E-04	1.20E-02
4173	477863.09	3855877.25	0.00269	0.00152	0.00121	0.0016	0.00195	0.00195	0.00149	0.00152	1.29E-02	6.47E-05	2.90E-09	3.88E-05	4.21E-04	1.26E-04	2.43E-04	2.38E-04	1.36E-02
4174	478363.09	3855877.25	0.00312	0.00168	0.00133	0.00178	0.00214	0.00214	0.00166	0.00168	1.50E-02	7.15E-05	3.19E-09	4.31E-05	4.62E-04	1.38E-04	2.71E-04	2.63E-04	1.57E-02
4175	478863.09	3855877.25	0.00376	0.00186	0.00149	0.00201	0.00243	0.00238	0.00186	0.00186	1.80E-02	7.91E-05	3.57E-09	4.87E-05	5.24E-04	1.54E-04	3.04E-04	2.91E-04	1.89E-02
4176	479363.09	3855877.25	0.00457	0.00209	0.00167	0.00236	0.00281	0.00271	0.00213	0.00209	2.19E-02	8.89E-05	4.01E-09	5.72E-05	6.06E-04	1.75E-04	3.48E-04	3.27E-04	2.29E-02
4177	479863.09	3855877.25	0.00545	0.00232	0.00193	0.00273	0.00324	0.00312	0.0024	0.00232	2.62E-02	9.87E-05	4.63E-09	6.61E-05	6.99E-04	2.02E-04	3.92E-04	3.63E-04	2.72E-02
4178	480363.09	3855877.25	0.00654	0.00266	0.0024	0.00323	0.00392	0.00367	0.00277	0.00266	3.14E-02	1.13E-04	5.76E-09	7.83E-05	8.45E-04	2.37E-04	4.52E-04	4.17E-04	3.27E-02
4179	480863.09	3855877.25	0.00779	0.00314	0.00312	0.00381	0.00467	0.00445	0.0032	0.00314	3.74E-02	1.34E-04	7.48E-09	9.23E-05	1.01E-03	2.88E-04	5.22E-04	4.92E-04	3.89E-02
4180	481363.09	3855877.25	0.00946	0.00339	0.00342	0.00423	0.00526	0.00494	0.00343	0.00339	4.54E-02	1.44E-04	8.20E-09	1.02E-04	1.13E-03	3.20E-04	5.60E-04	5.31E-04	4.71E-02
4181	481863.09	3855877.25	0.01098	0.00483	0.00502	0.00483	0.00614	0.00686	0.00395	0.00483	5.27E-02	2.06E-04	1.20E-08	1.17E-04	1.32E-03	4.44E-04	6.45E-04	7.57E-04	5.47E-02
4182	482363.09	3855877.25	0.0151	0.0059	0.00716	0.00531	0.00653	0.00864	0.00419	0.0059	7.25E-02	2.51E-04	1.72E-08	1.29E-04	1.41E-03	5.59E-04	6.84E-04	9.24E-04	7.46E-02
4183	482863.09	3855877.25	0.02699	0.00745	0.01033	0.00601	0.00716	0.01166	0.00463	0.00745	1.30E-01	3.17E-04	2.48E-08	1.46E-04	1.54E-03	7.54E-04	7.56E-04	1.17E-03	1.32E-01
4184	483363.09	3855877.25	0.10103	0.01062	0.01254	0.00697	0.00779	0.02104	0.00523	0.01062	4.85E-01	4.52E-04	3.01E-08	1.69E-04	1.68E-03	1.36E-03	8.54E-04	1.66E-03	4.88E-01
4185	483863.09	3855877.25	0.12274	0.02192	0.02594	0.00835	0.0086	0.33076	0.00624	0.02192	5.89E-01	9.33E-04	6.22E-08	2.02E-04	1.85E-03	2.14E-02	1.02E-03	3.43E-03	6.11E-01
4186	484363.09	3855877.25	0.13408	0.25544	0.07891	0.01096	0.00989	0.04518	0.00823	0.25544	6.43E-01	1.09E-02	1.89E-07	2.66E-04	2.13E-03	2.92E-03	1.34E-03	4.00E-02	6.21E-01
4187	484863.09	3855877.25	0.14132	0.04005	0.11549	0.01627	0.01154	0.02945	0.01232	0.04005	6.78E-01	1.70E-03	2.77E-07	3.94E-04	2.49E-03	1.91E-03	2.01E-03	6.27E-03	6.80E-01
4188	485363.09	3855877.25	0.14323	0.0222	0.08899	0.03261	0.01365	0.03562	0.0329	0.0222	6.87E-01	9.45E-04	2.13E-07	7.90E-04	2.94E-03	2.30E-03	5.37E-03	3.48E-03	6.96E-01
4189	485863.09	3855877.25	0.10187	0.01524	0.05156	0.98505	0.01582	0.17594	0.09566	0.01524	4.89E-01	6.48E-04	1.24E-07	2.39E-02	3.41E-03	1.14E-02	1.56E-02	2.39E-03	5.41E-01
4190	486363.09	3855877.25	0.05921	0.01144	0.03201	0.0754	0.01812	0.04264	0.03109	0.01144	2.84E-01	4.87E-04	7.68E-08	1.83E-03	3.91E-03	2.76E-03	5.07E-03	1.79E-03	2.96E-01
4191	486863.09	3855877.25	0.0454	0.0096	0.02339	0.0403	0.02067	0.02706	0.01969	0.0096	2.18E-01	4.08E-04	5.61E-08	9.76E-04	4.46E-03	1.75E-03	3.21E-03	1.50E-03	2.27E-01
4192	487363.09	3855877.25	0.03678	0.00888	0.01895	0.02973	0.02445	0.02181	0.01567	0.00888	1.77E-01	3.78E-04	4.54E-08	7.20E-04	5.27E-03	1.41E-03	2.56E-03	1.39E-03	1.85E-01
4193	487863.09	3855877.25	0.0311	0.00833	0.01613	0.02391	0.02142	0.01855	0.01315	0.00833	1.49E-01	3.54E-04	3.87E-08	5.79E-04	4.62E-03	1.20E-03	2.15E-03	1.30E-03	1.57E-01
4194	488363.09	3855877.25	0.02706	0.00776	0.01369	0.02015	0.02319	0.01634	0.01129	0.00776	1.30E-01	3.30E-04	3.28E-08	4.88E-04	5.00E-03	1.06E-03	1.84E-03	1.22E-03	1.37E-01
4195	488863.09	3855877.25	0.0241	0.00727	0.01223	0.0176	0.02808	0.01481	0.00994	0.00727	1.16E-01	3.09E-04	2.93E-08	4.26E-04	6.06E-03	9.58E-04	1.62E-03	1.14E-03	1.24E-01
4196	489363.09	3855877.25	0.0219	0.00682	0.01122	0.01578	0.03115	0.01355	0.00889	0.00682	1.05E-01	2.90E-04	2.69E-08	3.82E-04	6.72E-03	8.77E-04	1.45E-03	1.07E-03	1.14E-01
4197	489863.09	3855877.25	0.02018	0.00645	0.00971	0.01447	0.03368	0.01278	0.0081	0.00645	9.68E-02	2.74E-04	2.33E-08	3.51E-04	7.26E-03	8.27E-04	1.32E-03	1.01E-03	1.06E-01
4198	490363.09	3855877.25	0.01869	0.00618	0.00896	0.0136	0.03521	0.01199	0.00751	0.00618	8.97E-02	2.63E-04	2.15E-08	3.29E-04	7.59E-03	7.76E-04	1.23E-03	9.68E-04	9.89E-02
4199	490863.09	3855877.25	0.01756	0.0058	0.00828	0.01288	0.03482	0.01119	0.00699	0.0058	8.43E-02	2.47E-04	1.99E-08	3.12E-04	7.51E-03	7.24E-04	1.14E-03	9.09E-04	9.33E-02
4200	491363.09	3855877.25	0.01666	0.00521	0.00724	0.01165	0.0314	0.01013	0.00634	0.00521	7.99E-02	2.22E-04	1.74E-08	2.82E-04	6.77E-03	6.55E-04	1.03E-03	8.16E-04	8.81E-02
4201	491863.09	3855877.25	0.01562	0.0054	0.00732	0.01176	0.03262	0.01035	0.00625	0.0054	7.50E-02	2.30E-04	1.76E-08	2.85E-04	7.04E-03	6.70E-04	1.02E-03	8.46E-04	8.34E-02
4202	492363.09	3855877.25	0.01489	0.00511	0.00694	0.01122	0.03038	0.00979	0.00588	0.00511	7.15E-02	2.17E-04	1.66E-08	2.72E-04	6.55E-03	6.33E-04	9.60E-04	8.00E-04	7.93E-02
4203	492863.09	3855877.25	0.01415	0.00486	0.00682	0.01077	0.0282	0.00932	0.00554	0.00486	6.79E-02	2.07E-04	1.64E-08	2.61E-04	6.08E-03	6.03E-04	9.04E-04	7.61E-04	7.52E-02
4204	493363.09	3855877.25	0.01294	0.00423	0.00586	0.00918	0.02272	0.00813	0.00482	0.00423	6.21E-02	1.80E-04	1.41E-08	2.22E-04	4.90E-03	5.26E-04	7.87E-04	6.63E-04	6.81E-02
4205	493863.09	3855877.25	0.0107	0.00364	0.00496	0.00783	0.01768	0.00695	0.00402	0.00364	5.13E-02	1.55E-04	1.19E-08	1.90E-04	3.81E-03	4.50E-04	6.56E-04	5.70E-04	5.60E-02
4206	494363.09	3855877.25	0.00844	0.00315	0.00426	0.00694	0.01411	0.00601	0.00336	0.00315	4.05E-02	1.34E-04	1.02E-08	1.68E-04	3.04E-03	3.89E-04	5.48E-04	4.93E-04	4.43E-02
4207	494863.09	3855877.25	0.00704	0.00283	0.00387	0.00632	0.01199	0.00537	0.00294	0.00283	3.38E-02	1.20E-04	9.28E-09	1.53E-04	2.59E-03	3.47E-04	4.80E-04	4.43E-04	3.70E-02
4208	495363.09	3855877.25	0.00589	0.0025	0.00347	0.00564	0.01	0.00475	0.00255	0.0025	2.83E-02	1.06E-04	8.32E-09	1.37E-04	2.16E-03	3.07E-04	4.16E-04	3.92E-04	3.10E-02
4209	495863.09	3855877.25	0.0057	0.00246	0.0034	0.00553	0.00939	0.00466	0.0025	0.00246	2.74E-02	1.05E-04	8.15E-09	1.34E-04	2.03E-03	3.02E-04	4.08E-04	3.85E-04	2.99E-02
4210	496363.09	3855877.25	0.00557	0.00243	0.00336	0.0054	0.0089	0.00459	0.00247	0.00243	2.67E-02	1.03E-04	8.06E-09	1.31E-04	1.92E-03	2.97E-04	4.03E-04	3.81E-04	2.92E-02
4211	496863.09	3855877.25	0.00556	0.00245	0.00336	0.00536	0.00866	0.00457	0.00249	0.00245	2.67E-02	1.04E-04	8.06E-09	1.30E-04	1.87E-03	2.96E-04	4.06E-04	3.84E-04	2.91E-02
4212	497363.09	3855877.25	0.00558	0.00248	0.00336	0.00535	0.00845	0.0046	0.00252	0.00248	2.68E-02	1.06E-04	8.06E-09	1.30E-04	1.82E-03	2.98E-04	4.11E-04	3.88E-04	2.92E-02
4213	497863.09	3855877.25	0.00567	0.00254	0.00338	0.00537	0.00828	0.00468	0.00257	0.00254	2.72E-02	1.08E-04	8.11E-09	1.30E-04	1.79E-03	3.03E-04	4.19E-04	3.98E-04	2.96E-02
4214	498363.09	3855877.25	0.006	0.00266	0.00346	0.00555	0.00848	0.00491	0.00272	0.00266	2.88E-02	1.13E-04	8.30E-09	1.34E-04	1.83E-03	3.18E-04	4.44E-04	4.17E-04	3.12E-02

4215	471363.09	3856377.25	0.00166	0.00132	0.00069	0.00108	0.00123	0.00121	0.00134	0.00132	7.97E-03	5.62E-05	1.65E-09	2.62E-05	2.65E-04	7.83E-05	2.19E-04	2.07E-04	8.40E-03
4216	471863.09	3856377.25	0.00174	0.00135	0.00071	0.00112	0.00127	0.00126	0.00137	0.00135	8.35E-03	5.74E-05	1.70E-09	2.71E-05	2.74E-04	8.15E-05	2.24E-04	2.11E-04	8.80E-03
4217	472363.09	3856377.25	0.00183	0.00141	0.00075	0.00118	0.00133	0.00132	0.00143	0.00141	8.78E-03	6.00E-05	1.80E-09	2.86E-05	2.87E-04	8.54E-05	2.33E-04	2.21E-04	9.26E-03
4218	472863.09	3856377.25	0.00194	0.00146	0.00081	0.00125	0.0014	0.0014	0.00149	0.00146	9.31E-03	6.21E-05	1.94E-09	3.03E-05	3.02E-04	9.06E-05	2.43E-04	2.29E-04	9.81E-03
4219	473363.09	3856377.25	0.00205	0.00151	0.00085	0.00131	0.00146	0.00148	0.00154	0.00151	9.84E-03	6.42E-05	2.04E-09	3.17E-05	3.15E-04	9.58E-05	2.51E-04	2.37E-04	1.04E-02
4220	473863.09	3856377.25	0.00218	0.00159	0.00093	0.0014	0.00155	0.00159	0.00162	0.00159	1.05E-02	6.77E-05	2.23E-09	3.39E-05	3.34E-04	1.03E-04	2.64E-04	2.49E-04	1.10E-02
4221	474363.09	3856377.25	0.00229	0.00158	0.00095	0.00144	0.00161	0.00163	0.00162	0.00158	1.10E-02	6.72E-05	2.28E-09	3.49E-05	3.47E-04	1.05E-04	2.64E-04	2.48E-04	1.16E-02
4222	474863.09	3856377.25	0.0024	0.00153	0.00093	0.00147	0.00165	0.00164	0.00158	0.00153	1.15E-02	6.51E-05	2.23E-09	3.56E-05	3.56E-04	1.06E-04	2.58E-04	2.40E-04	1.21E-02
4223	475363.09	3856377.25	0.00241	0.00142	0.00092	0.00143	0.00164	0.0016	0.00146	0.00142	1.16E-02	6.04E-05	2.21E-09	3.46E-05	3.54E-04	1.04E-04	2.38E-04	2.22E-04	1.21E-02
4224	475863.09	3856377.25	0.00219	0.00129	0.00092	0.00134	0.0016	0.00156	0.0013	0.00129	1.05E-02	5.49E-05	2.21E-09	3.25E-05	3.45E-04	1.01E-04	2.12E-04	2.02E-04	1.11E-02
4225	476363.09	3856377.25	0.00221	0.00129	0.00096	0.00137	0.00165	0.00162	0.0013	0.00129	1.06E-02	5.49E-05	2.30E-09	3.32E-05	3.56E-04	1.05E-04	2.12E-04	2.02E-04	1.12E-02
4226	476863.09	3856377.25	0.00232	0.00133	0.00101	0.00144	0.00173	0.00171	0.00133	0.00133	1.11E-02	5.66E-05	2.42E-09	3.49E-05	3.73E-04	1.11E-04	2.17E-04	2.08E-04	1.17E-02
4227	477363.09	3856377.25	0.00248	0.0014	0.00109	0.00152	0.00182	0.00181	0.00139	0.0014	1.19E-02	5.96E-05	2.61E-09	3.68E-05	3.93E-04	1.17E-04	2.27E-04	2.19E-04	1.25E-02
4228	477863.09	3856377.25	0.00237	0.00137	0.00111	0.0015	0.00186	0.00184	0.00134	0.00137	1.14E-02	5.83E-05	2.66E-09	3.63E-05	4.01E-04	1.19E-04	2.19E-04	2.15E-04	1.20E-02
4229	478363.09	3856377.25	0.00243	0.00139	0.00119	0.00152	0.00189	0.00192	0.00134	0.00139	1.17E-02	5.91E-05	2.85E-09	3.68E-05	4.08E-04	1.24E-04	2.19E-04	2.18E-04	1.23E-02
4230	478863.09	3856377.25	0.00334	0.00168	0.00146	0.00187	0.00224	0.00227	0.00166	0.00168	1.60E-02	7.15E-05	3.50E-09	4.53E-05	4.83E-04	1.47E-04	2.71E-04	2.63E-04	1.68E-02
4231	479363.09	3856377.25	0.00405	0.00185	0.00167	0.0021	0.00252	0.00253	0.00185	0.00185	1.94E-02	7.87E-05	4.01E-09	5.09E-05	5.44E-04	1.64E-04	3.02E-04	2.90E-04	2.03E-02
4232	479863.09	3856377.25	0.00532	0.00217	0.00192	0.00264	0.00313	0.00306	0.00225	0.00217	2.55E-02	9.23E-05	4.60E-09	6.40E-05	6.75E-04	1.98E-04	3.67E-04	3.40E-04	2.66E-02
4233	480363.09	3856377.25	0.00639	0.00255	0.00227	0.00316	0.00379	0.00367	0.00264	0.00255	3.07E-02	1.08E-04	5.44E-09	7.66E-05	8.17E-04	2.37E-04	4.31E-04	3.99E-04	3.19E-02
4234	480863.09	3856377.25	0.00733	0.00296	0.00272	0.00365	0.00436	0.00425	0.00298	0.00296	3.52E-02	1.26E-04	6.52E-09	8.84E-05	9.40E-04	2.75E-04	4.86E-04	4.64E-04	3.66E-02
4235	481363.09	3856377.25	0.00835	0.00353	0.00362	0.00409	0.00493	0.00512	0.00329	0.00353	4.01E-02	1.50E-04	8.68E-09	9.91E-05	1.06E-03	3.31E-04	5.37E-04	5.53E-04	4.17E-02
4236	481863.09	3856377.25	0.0096	0.00431	0.00479	0.00456	0.00551	0.00632	0.00358	0.00431	4.61E-02	1.83E-04	1.15E-08	1.10E-04	1.19E-03	4.09E-04	5.84E-04	6.75E-04	4.79E-02
4237	482363.09	3856377.25	0.01197	0.00501	0.00681	0.00495	0.00613	0.00758	0.00377	0.00501	5.74E-02	2.13E-04	1.63E-08	1.20E-04	1.32E-03	4.90E-04	6.15E-04	7.85E-04	5.94E-02
4238	482863.09	3856377.25	0.01718	0.0059	0.0074	0.00547	0.0071	0.00917	0.00407	0.0059	8.24E-02	2.51E-04	1.77E-08	1.33E-04	1.53E-03	5.93E-04	6.64E-04	9.24E-04	8.47E-02
4239	483363.09	3856377.25	0.04923	0.00726	0.00961	0.00613	0.00833	0.01213	0.00444	0.00726	2.36E-01	3.09E-04	2.30E-08	1.49E-04	1.80E-03	7.85E-04	7.25E-04	1.14E-03	2.39E-01
4240	483863.09	3856377.25	0.11107	0.01007	0.01607	0.00698	0.0099	0.02029	0.00503	0.01007	5.33E-01	4.28E-04	3.85E-08	1.69E-04	2.14E-03	1.31E-03	8.21E-04	1.58E-03	5.36E-01
4241	484363.09	3856377.25	0.12722	0.01851	0.04038	0.00824	0.01188	0.19905	0.00608	0.01851	6.11E-01	7.88E-04	9.68E-08	2.00E-04	2.56E-03	1.29E-02	9.92E-04	2.90E-03	6.25E-01
4242	484863.09	3856377.25	0.1361	0.19021	0.05029	0.01058	0.0147	0.05618	0.0078	0.19021	6.53E-01	8.09E-03	1.21E-07	2.56E-04	3.17E-03	3.63E-03	1.27E-03	2.98E-02	6.40E-01
4243	485363.09	3856377.25	0.14217	0.05315	0.04844	0.015	0.01921	0.03282	0.01153	0.05315	6.82E-01	2.26E-03	1.16E-07	3.63E-04	4.14E-03	2.12E-03	1.88E-03	8.33E-03	6.85E-01
4244	485863.09	3856377.25	0.14447	0.02549	0.03347	0.02718	0.02647	0.03383	0.0289	0.02549	6.93E-01	1.08E-03	8.03E-08	6.58E-04	5.71E-03	2.19E-03	4.72E-03	3.99E-03	7.04E-01
4245	486363.09	3856377.25	0.12523	0.01554	0.0218	0.24964	0.03691	0.33747	0.11034	0.01554	6.01E-01	6.61E-04	5.23E-08	6.05E-03	7.96E-03	2.18E-02	1.80E-02	2.43E-03	6.53E-01
4246	486863.09	3856377.25	0.06179	0.01267	0.01778	0.09562	0.05263	0.05116	0.03485	0.01267	2.97E-01	5.39E-04	4.26E-08	2.32E-03	1.14E-02	3.31E-03	5.69E-03	1.98E-03	3.18E-01
4247	487363.09	3856377.25	0.04529	0.01113	0.0145	0.04626	0.06877	0.03139	0.02168	0.01113	2.17E-01	4.74E-04	3.48E-08	1.12E-03	1.48E-02	2.03E-03	3.54E-03	1.74E-03	2.38E-01
4248	487863.09	3856377.25	0.03634	0.01022	0.01273	0.03191	0.07235	0.02426	0.01626	0.01022	1.74E-01	4.35E-04	3.05E-08	7.73E-04	1.56E-02	1.57E-03	2.65E-03	1.60E-03	1.94E-01
4249	488363.09	3856377.25	0.03068	0.00939	0.01129	0.02534	0.08263	0.02039	0.01332	0.00939	1.47E-01	4.00E-04	2.71E-08	6.14E-04	1.78E-02	1.32E-03	2.17E-03	1.47E-03	1.68E-01
4250	488863.09	3856377.25	0.0268	0.00866	0.01139	0.02152	0.09019	0.01803	0.01138	0.00866	1.29E-01	3.68E-04	2.73E-08	5.21E-04	1.95E-02	1.17E-03	1.86E-03	1.36E-03	1.51E-01
4251	489363.09	3856377.25	0.02407	0.00803	0.01028	0.01898	0.08743	0.01656	0.01001	0.00803	1.16E-01	3.42E-04	2.47E-08	4.60E-04	1.89E-02	1.07E-03	1.63E-03	1.26E-03	1.37E-01
4252	489863.09	3856377.25	0.02192	0.00748	0.00962	0.01744	0.08052	0.01526	0.00896	0.00748	1.05E-01	3.18E-04	2.31E-08	4.23E-04	1.74E-02	9.87E-04	1.46E-03	1.17E-03	1.25E-01
4253	490363.09	3856377.25	0.02028	0.00694	0.00915	0.01672	0.07196	0.01422	0.00814	0.00694	9.73E-02	2.95E-04	2.19E-08	4.05E-04	1.55E-02	9.20E-04	1.33E-03	1.09E-03	1.15E-01
4254	490863.09	3856377.25	0.01897	0.00646	0.0086	0.01642	0.06354	0.01337	0.0075	0.00646	9.10E-02	2.75E-04	2.06E-08	3.98E-04	1.37E-02	8.65E-04	1.22E-03	1.01E-03	1.06E-01
4255	491363.09	3856377.25	0.0178	0.00611	0.00844	0.01729	0.0559	0.01268	0.00698	0.00611	8.54E-02	2.60E-04	2.02E-08	4.19E-04	1.21E-02	8.20E-04	1.14E-03	9.57E-04	9.92E-02
4256	491863.09	3856377.25	0.01684	0.00577	0.00811	0.01765	0.04897	0.012	0.00652	0.00577	8.08E-02	2.46E-04	1.95E-08	4.28E-04	1.06E-02	7.76E-04	1.06E-03	9.04E-04	9.30E-02
4257	492363.09	3856377.25	0.01607	0.00537	0.00765	0.01651	0.04232	0.01114	0.00606	0.00537	7.71E-02	2.28E-04	1.83E-08	4.00E-04	9.13E-03	7.21E-04	9.89E-04	8.41E-04	8.77E-02
4258	492863.09	3856377.25	0.01497	0.00477	0.00668	0.01597	0.03383	0.00985	0.0054	0.00477	7.18E-02	2.03E-04	1.60E-08	3.87E-04	7.30E-03	6.37E-04	8.81E-04	7.47E-04	8.05E-02
4259	493363.09	3856377.25	0.01207	0.00389	0.00527	0.01215	0.02274	0.00797	0.00426	0.00389	5.79E-02	1.66E-04	1.26E-08	2.94E-04	4.90E-03	5.16E-04	6.95E-04	6.09E-04	6.39E-02
4260	493863.09	3856377.25	0.00998	0.0035	0.00478	0.01031	0.0184	0.00715	0.00373	0.0035	4.79E-02	1.49E-04	1.15E-08	2.50E-04	3.97E-03	4.63E-04	6.09E-04	5.48E-04	5.28E-02
4261	494363.09	3856377.25	0.008	0.00308	0.00429	0.00869	0.01465	0.00629	0.00318	0.00308	3.84E-02	1.31E-04	1.03E-08	2.11E-04	3.16E-03	4.07E-04	5.19E-04	4.82E-04	4.23E-02
4262	494863.09	3856377.25	0.00669	0.00276	0.00389	0.00751	0.01202	0.0056	0.0028	0.00276	3.21E-02	1.17E-04	9.33E-09	1.82E-04	2.59E-03	3.62E-04	4.57E-04	4.32E-04	3.54E-02
4263	495363.09	3856377.25	0.00594	0.00256	0.00362	0.00667	0.01026	0.00518	0.00257	0.00256	2.85E-02	1.09E-04	8.68E-09	1.62E-04	2.21E-03	3.35E-04	4.19E-04	4.01E-04	3.13E-02
4264	495863.09	3856377.25	0.00571	0.00251	0.00354	0.0063	0.00949	0.00505	0.00252	0.00251	2.74E-02	1.07E-04	8.49E-09	1.53E-04	2.05E-03	3.27E-04	4.11E-04	3.93E-04	3.01E-02
4265	496363.09	3856377.25	0.00566	0.00251	0.0035	0.0061	0.009	0.00501	0.00252	0.00251	2.72E-02	1.07E-04	8.39E-09	1.48E-04	1.94E-03	3.24E-04	4.11E-04	3.93E-04	2.97E-02
4266	496863.09	3856377.25	0.00576	0.00256	0.00353	0.00608	0.00887	0.00507	0.00258	0.00256	2.76E-02	1.09E-04	8.47E-09	1.47E-04	1.91E-03	3.28E-04	4.21E-04	4.01E-04	3.02E-02
4267	497363.09	3856377.25	0.00585	0.00262	0.00352	0.00607	0.00863	0.00514	0.00264	0.00262	2.81E-02	1.11E-04	8.44E-09	1.47E-04	1.86E-03	3.33E-04	4.31E-04	4.10E-04	3.05E-02
4268	497863.09	3856377.25	0.00608	0.0027	0.00357	0.00615	0.00861	0.00533	0.00274	0.0027	2.92E-02	1.15E-04	8.56E-09	1.49E-04	1.86E-03	3.45E-04	4.47E-04	4.23E-04	3.17E-02
4269	498363.09	3856377.25	0.00643	0.00281	0.00362	0.00628	0.00876	0.0059	0.00287	0.00281	3.09E-02	1.20E-04	8.68E-09	1.52E-04	1.89E-03	3.82E-04	4.68E-04	4.40E-04	3.34E-02
4270	471363.09	3856877.25	0.00163	0.00128	0.00069	0.0011	0.00121	0.00122	0.0013	0.00128	7.82E-03	5.45E-05	1.65E-09	2.66E-05	2.61E-04	7.89E-05	2.12E-04	2.01E-04	8.25E-03
4271	471863.09	3856877.25	0.00171	0.0013	0.00072	0.00114	0.00125	0.00127	0.00133	0.0013	8.21E-03	5.53E-05	1.73E-09	2.76E-05	2.70E-04	8.22E-05	2.17E-04	2.04E-04	8.65E-03

4272	472363.09	3856877.25	0.0018	0.00134	0.00075	0.00119	0.0013	0.00133	0.00137	0.00134	8.64E-03	5.70E-05	1.80E-09	2.88E-05	2.80E-04	8.61E-05	2.24E-04	2.10E-04	9.10E-03
4273	472863.09	3856877.25	0.0019	0.00138	0.00079	0.00125	0.00135	0.00139	0.00141	0.00138	9.12E-03	5.87E-05	1.89E-09	3.03E-05	2.91E-04	8.99E-05	2.30E-04	2.16E-04	9.60E-03
4274	473363.09	3856877.25	0.00202	0.00146	0.00085	0.00133	0.00142	0.00149	0.00149	0.00146	9.69E-03	6.21E-05	2.04E-09	3.22E-05	3.06E-04	9.64E-05	2.43E-04	2.29E-04	1.02E-02
4275	473863.09	3856877.25	0.00214	0.00151	0.00089	0.00139	0.00148	0.00156	0.00154	0.00151	1.03E-02	6.42E-05	2.13E-09	3.37E-05	3.19E-04	1.01E-04	2.51E-04	2.37E-04	1.08E-02
4276	474363.09	3856877.25	0.00225	0.00151	0.00089	0.00142	0.00153	0.00159	0.00155	0.00151	1.08E-02	6.42E-05	2.13E-09	3.44E-05	3.30E-04	1.03E-04	2.53E-04	2.37E-04	1.13E-02
4277	474863.09	3856877.25	0.00236	0.00147	0.00087	0.00144	0.00157	0.00159	0.00152	0.00147	1.13E-02	6.25E-05	2.09E-09	3.49E-05	3.39E-04	1.03E-04	2.48E-04	2.30E-04	1.19E-02
4278	475363.09	3856877.25	0.0024	0.0014	0.00087	0.00142	0.00159	0.00158	0.00145	0.0014	1.15E-02	5.96E-05	2.09E-09	3.44E-05	3.43E-04	1.02E-04	2.37E-04	2.19E-04	1.21E-02
4279	475863.09	3856877.25	0.00252	0.00141	0.00092	0.00147	0.00165	0.00164	0.00145	0.00141	1.21E-02	6.00E-05	2.21E-09	3.56E-05	3.56E-04	1.06E-04	2.37E-04	2.21E-04	1.27E-02
4280	476363.09	3856877.25	0.00251	0.00136	0.00095	0.00146	0.00169	0.00165	0.00139	0.00136	1.20E-02	5.79E-05	2.28E-09	3.54E-05	3.64E-04	1.07E-04	2.27E-04	2.13E-04	1.26E-02
4281	476863.09	3856877.25	0.00255	0.00137	0.00101	0.00149	0.00175	0.00172	0.00139	0.00137	1.22E-02	5.83E-05	2.42E-09	3.61E-05	3.77E-04	1.11E-04	2.27E-04	2.15E-04	1.28E-02
4282	477363.09	3856877.25	0.00252	0.00136	0.00108	0.00149	0.0018	0.00176	0.00137	0.00136	1.21E-02	5.79E-05	2.59E-09	3.61E-05	3.88E-04	1.14E-04	2.24E-04	2.13E-04	1.27E-02
4283	477863.09	3856877.25	0.00224	0.00129	0.00108	0.00142	0.00174	0.00173	0.00127	0.00129	1.07E-02	5.49E-05	2.59E-09	3.44E-05	3.75E-04	1.12E-04	2.07E-04	2.02E-04	1.13E-02
4284	478363.09	3856877.25	0.00227	0.0013	0.00112	0.00146	0.00181	0.0018	0.00126	0.0013	1.09E-02	5.53E-05	2.69E-09	3.54E-05	3.90E-04	1.16E-04	2.06E-04	2.04E-04	1.15E-02
4285	478863.09	3856877.25	0.00258	0.00142	0.00122	0.00162	0.00199	0.00199	0.00138	0.00142	1.24E-02	6.04E-05	2.93E-09	3.92E-05	4.29E-04	1.29E-04	2.25E-04	2.22E-04	1.30E-02
4286	479363.09	3856877.25	0.00308	0.00156	0.00136	0.00181	0.00223	0.00222	0.00154	0.00156	1.48E-02	6.64E-05	3.26E-09	4.39E-05	4.81E-04	1.44E-04	2.51E-04	2.44E-04	1.55E-02
4287	479863.09	3856877.25	0.00502	0.002	0.00172	0.00252	0.00277	0.00288	0.00208	0.002	2.41E-02	8.51E-05	4.13E-09	6.11E-05	5.97E-04	1.86E-04	3.40E-04	3.13E-04	2.50E-02
4288	480363.09	3856877.25	0.00604	0.00239	0.00211	0.00306	0.00328	0.00351	0.00248	0.00239	2.90E-02	1.02E-04	5.06E-09	7.41E-05	7.07E-04	2.27E-04	4.05E-04	3.74E-04	3.01E-02
4289	480863.09	3856877.25	0.00672	0.00288	0.00298	0.0035	0.00379	0.00426	0.00283	0.00288	3.22E-02	1.23E-04	7.15E-09	8.48E-05	8.17E-04	2.76E-04	4.62E-04	4.51E-04	3.36E-02
4290	481363.09	3856877.25	0.0074	0.00335	0.00363	0.00386	0.00435	0.00509	0.00305	0.00335	3.55E-02	1.43E-04	8.71E-09	9.35E-05	9.38E-04	3.29E-04	4.98E-04	5.25E-04	3.70E-02
4291	481863.09	3856877.25	0.00844	0.00373	0.00432	0.00425	0.00491	0.00569	0.00325	0.00373	4.05E-02	1.59E-04	1.04E-08	1.03E-04	1.06E-03	3.68E-04	5.30E-04	5.84E-04	4.21E-02
4292	482363.09	3856877.25	0.00967	0.00439	0.00579	0.00456	0.00543	0.00679	0.00344	0.00439	4.64E-02	1.87E-04	1.39E-08	1.10E-04	1.17E-03	4.39E-04	5.62E-04	6.88E-04	4.82E-02
4293	482863.09	3856877.25	0.01246	0.00497	0.00584	0.00498	0.00621	0.0079	0.00368	0.00497	5.98E-02	2.11E-04	1.40E-08	1.21E-04	1.34E-03	5.11E-04	6.01E-04	7.79E-04	6.18E-02
4294	483363.09	3856877.25	0.02026	0.00575	0.00636	0.00554	0.00731	0.00953	0.00399	0.00575	9.72E-02	2.45E-04	1.53E-08	1.34E-04	1.58E-03	6.17E-04	6.51E-04	9.01E-04	9.95E-02
4295	483863.09	3856877.25	0.09026	0.00699	0.00804	0.00623	0.00884	0.01225	0.00439	0.00699	4.33E-01	2.97E-04	1.93E-08	1.51E-04	1.91E-03	7.93E-04	7.17E-04	1.09E-03	4.36E-01
4296	484363.09	3856877.25	0.11334	0.00954	0.01033	0.0071	0.01109	0.0191	0.005	0.00954	5.44E-01	4.06E-04	2.48E-08	1.72E-04	2.39E-03	1.24E-03	8.16E-04	1.49E-03	5.47E-01
4297	484863.09	3856877.25	0.12457	0.0154	0.00985	0.00835	0.01445	0.07858	0.00595	0.0154	5.98E-01	6.55E-04	2.36E-08	2.02E-04	3.12E-03	5.08E-03	9.71E-04	2.41E-03	6.05E-01
4298	485363.09	3856877.25	0.13204	0.05759	0.01158	0.01052	0.02037	0.06618	0.00759	0.05759	6.34E-01	2.45E-03	2.78E-08	2.55E-04	4.39E-03	4.28E-03	1.24E-03	9.02E-03	6.37E-01
4299	485863.09	3856877.25	0.13802	0.07509	0.01106	0.01443	0.03187	0.03579	0.01109	0.07509	6.62E-01	3.19E-03	2.65E-08	3.50E-04	6.87E-03	2.32E-03	1.81E-03	1.18E-02	6.65E-01
4300	486363.09	3856877.25	0.14498	0.02467	0.01056	0.02565	0.06101	0.03146	0.02733	0.02467	6.96E-01	1.05E-03	2.53E-08	6.21E-04	1.32E-02	2.04E-03	4.46E-03	3.86E-03	7.13E-01
4301	486863.09	3856877.25	0.13189	0.01781	0.01166	0.13364	0.17596	0.23509	0.12813	0.01781	6.33E-01	7.58E-04	2.80E-08	3.24E-03	3.80E-02	1.52E-02	2.09E-02	2.79E-03	7.08E-01
4302	487363.09	3856877.25	0.0612	0.0148	0.01085	0.10626	2.16511	0.05975	0.03616	0.0148	2.94E-01	6.30E-04	2.60E-08	2.57E-03	4.67E-01	3.87E-03	5.90E-03	2.32E-03	7.71E-01
4303	487863.09	3856877.25	0.04372	0.01287	0.0104	0.04895	1.78302	0.03537	0.02205	0.01287	2.10E-01	5.48E-04	2.49E-08	1.19E-03	3.85E-01	2.29E-03	3.60E-03	2.02E-03	6.00E-01
4304	488363.09	3856877.25	0.03488	0.01159	0.01172	0.03369	0.53465	0.02731	0.01636	0.01159	1.67E-01	4.93E-04	2.81E-08	8.16E-04	1.15E-01	1.77E-03	2.67E-03	1.82E-03	2.87E-01
4305	488863.09	3856877.25	0.02967	0.01046	0.01128	0.02703	0.30356	0.02328	0.01332	0.01046	1.42E-01	4.45E-04	2.71E-08	6.55E-04	6.55E-02	1.51E-03	2.17E-03	1.64E-03	2.11E-01
4306	489363.09	3856877.25	0.0262	0.00958	0.01166	0.02316	0.20144	0.02076	0.01142	0.00958	1.26E-01	4.08E-04	2.80E-08	5.61E-04	4.34E-02	1.34E-03	1.86E-03	1.50E-03	1.72E-01
4307	489863.09	3856877.25	0.02374	0.00877	0.01084	0.02126	0.14495	0.01897	0.01006	0.00877	1.14E-01	3.73E-04	2.60E-08	5.15E-04	3.13E-02	1.23E-03	1.64E-03	1.37E-03	1.48E-01
4308	490363.09	3856877.25	0.02202	0.00799	0.01093	0.02061	0.10936	0.0174	0.009	0.00799	1.06E-01	3.40E-04	2.62E-08	4.99E-04	2.36E-02	1.13E-03	1.47E-03	1.25E-03	1.31E-01
4309	490863.09	3856877.25	0.02056	0.00735	0.01032	0.02256	0.08485	0.01613	0.00814	0.00735	9.87E-02	3.13E-04	2.48E-08	5.47E-04	1.83E-02	1.04E-03	1.33E-03	1.15E-03	1.19E-01
4310	491363.09	3856877.25	0.01927	0.0068	0.00973	0.03157	0.06777	0.01503	0.00743	0.0068	9.25E-02	2.89E-04	2.33E-08	7.65E-04	1.46E-02	9.72E-04	1.21E-03	1.07E-03	1.09E-01
4311	491863.09	3856877.25	0.01822	0.00628	0.00927	0.1776	0.055	0.01396	0.00683	0.00628	8.74E-02	2.67E-04	2.22E-08	4.30E-03	1.19E-02	9.03E-04	1.11E-03	9.84E-04	1.05E-01
4312	492363.09	3856877.25	0.01724	0.00533	0.00792	0.11286	0.04199	0.01192	0.0059	0.00533	8.27E-02	2.27E-04	1.90E-08	2.73E-03	9.06E-03	7.71E-04	9.63E-04	8.35E-04	9.56E-02
4313	492863.09	3856877.25	0.01554	0.00467	0.00676	0.03251	0.03169	0.01043	0.00511	0.00467	7.46E-02	1.99E-04	1.62E-08	7.88E-04	6.83E-03	6.75E-04	8.34E-04	7.32E-04	8.32E-02
4314	493363.09	3856877.25	0.01282	0.00406	0.00578	0.01854	0.02327	0.00895	0.00432	0.00406	6.15E-02	1.73E-04	1.39E-08	4.49E-04	5.02E-03	5.79E-04	7.05E-04	6.36E-04	6.78E-02
4315	493863.09	3856877.25	0.0096	0.00348	0.00495	0.01298	0.0172	0.00762	0.00359	0.00348	4.61E-02	1.48E-04	1.19E-08	3.14E-04	3.71E-03	4.93E-04	5.86E-04	5.45E-04	5.08E-02
4316	494363.09	3856877.25	0.00759	0.00307	0.00442	0.01008	0.01341	0.00666	0.00309	0.00307	3.64E-02	1.31E-04	1.06E-08	2.44E-04	2.89E-03	4.31E-04	5.04E-04	4.81E-04	4.01E-02
4317	494863.09	3856877.25	0.00677	0.00287	0.00415	0.00862	0.0115	0.00619	0.00286	0.00287	3.25E-02	1.22E-04	9.95E-09	2.09E-04	2.48E-03	4.01E-04	4.67E-04	4.50E-04	3.57E-02
4318	495363.09	3856877.25	0.0063	0.00275	0.00398	0.00774	0.01048	0.00594	0.00273	0.00275	3.02E-02	1.17E-04	9.55E-09	1.88E-04	2.26E-03	3.84E-04	4.46E-04	4.31E-04	3.32E-02
4319	495863.09	3856877.25	0.0061	0.00271	0.00385	0.00728	0.00951	0.00587	0.0027	0.00271	2.93E-02	1.15E-04	9.23E-09	1.76E-04	2.05E-03	3.80E-04	4.41E-04	4.25E-04	3.20E-02
4320	496363.09	3856877.25	0.00598	0.00269	0.00375	0.00693	0.00893	0.00582	0.00268	0.00269	2.87E-02	1.14E-04	8.99E-09	1.68E-04	1.93E-03	3.77E-04	4.37E-04	4.21E-04	3.13E-02
4321	496863.09	3856877.25	0.00597	0.00272	0.00371	0.00671	0.00858	0.00588	0.00271	0.00272	2.86E-02	1.16E-04	8.90E-09	1.63E-04	1.85E-03	3.80E-04	4.42E-04	4.26E-04	3.12E-02
4322	497363.09	3856877.25	0.00609	0.00278	0.00371	0.00663	0.00838	0.00595	0.00278	0.00278	2.92E-02	1.18E-04	8.90E-09	1.61E-04	1.81E-03	3.85E-04	4.54E-04	4.35E-04	3.17E-02
4323	497863.09	3856877.25	0.00653	0.00291	0.00382	0.00675	0.00853	0.00672	0.00293	0.00291	3.13E-02	1.24E-04	9.16E-09	1.64E-04	1.84E-03	4.35E-04	4.78E-04	4.56E-04	3.39E-02
4324	498363.09	3856877.25	0.00706	0.00306	0.00395	0.00699	0.00883	0.00711	0.00311	0.00306	3.39E-02	1.30E-04	9.47E-09	1.69E-04	1.90E-03	4.60E-04	5.08E-04	4.79E-04	3.66E-02
4325	471363.09	3857377.25	0.00163	0.00125	0.00069	0.00112	0.00116	0.00123	0.00128	0.00125	7.82E-03	5.32E-05	1.65E-09	2.71E-05	2.50E-04	7.96E-05	2.09E-04	1.96E-04	8.25E-03
4326	471863.09	3857377.25	0.0017	0.00127	0.0007	0.00115	0.0012	0.00127	0.0013	0.00127	8.16E-03	5.40E-05	1.68E-09	2.79E-05	2.59E-04	8.22E-05	2.12E-04	1.99E-04	8.59E-03
4327	472363.09	3857377.25	0.00179	0.0013	0.00072	0.0012	0.00124	0.00132	0.00133	0.0013	8.59E-03	5.53E-05	1.73E-09	2.91E-05	2.67E-04	8.54E-05	2.17E-04	2.04E-04	9.04E-03
4328	472863.09	3857377.25	0.00188	0.00134	0.00076	0.00124	0.00129	0.00138	0.00137	0.00134	9.02E-03	5.70E-05	1.82E-09	3.00E-05	2.78E-04	8.93E-05	2.24E-04	2.10E-04	9.49E-03

4329	473363.09	3857377.25	0.00199	0.00139	0.00081	0.0013	0.00134	0.00145	0.00142	0.00139	9.55E-03	5.91E-05	1.94E-09	3.15E-05	2.89E-04	9.38E-05	2.32E-04	2.18E-04	1.00E-02
4330	473863.09	3857377.25	0.00211	0.00146	0.00088	0.00137	0.00141	0.00154	0.00148	0.00146	1.01E-02	6.21E-05	2.11E-09	3.32E-05	3.04E-04	9.96E-05	2.42E-04	2.29E-04	1.06E-02
4331	474363.09	3857377.25	0.00221	0.00142	0.00087	0.00139	0.00145	0.00155	0.00145	0.00142	1.06E-02	6.04E-05	2.09E-09	3.37E-05	3.13E-04	1.00E-04	2.37E-04	2.22E-04	1.11E-02
4332	474863.09	3857377.25	0.00222	0.00129	0.0008	0.00133	0.00148	0.00147	0.00134	0.00129	1.07E-02	5.49E-05	1.92E-09	3.22E-05	3.19E-04	9.51E-05	2.19E-04	2.02E-04	1.12E-02
4333	475363.09	3857377.25	0.00201	0.00117	0.0008	0.00124	0.0015	0.00139	0.00119	0.00117	9.65E-03	4.98E-05	1.92E-09	3.00E-05	3.24E-04	8.99E-05	1.94E-04	1.83E-04	1.02E-02
4334	475863.09	3857377.25	0.002	0.00116	0.00084	0.00126	0.00156	0.00143	0.00118	0.00116	9.60E-03	4.94E-05	2.01E-09	3.05E-05	3.36E-04	9.25E-05	1.93E-04	1.82E-04	1.01E-02
4335	476363.09	3857377.25	0.00236	0.00127	0.00096	0.00139	0.00165	0.00158	0.00129	0.00127	1.13E-02	5.40E-05	2.30E-09	3.37E-05	3.56E-04	1.02E-04	2.11E-04	1.99E-04	1.19E-02
4336	476863.09	3857377.25	0.00251	0.00132	0.00104	0.00146	0.00173	0.00167	0.00134	0.00132	1.20E-02	5.62E-05	2.49E-09	3.54E-05	3.73E-04	1.08E-04	2.19E-04	2.07E-04	1.26E-02
4337	477363.09	3857377.25	0.00247	0.00131	0.00103	0.00147	0.0018	0.0017	0.00132	0.00131	1.19E-02	5.57E-05	2.47E-09	3.56E-05	3.88E-04	1.10E-04	2.15E-04	2.05E-04	1.25E-02
4338	477863.09	3857377.25	0.00223	0.00127	0.001	0.00142	0.00185	0.00169	0.00126	0.00127	1.07E-02	5.40E-05	2.40E-09	3.44E-05	3.99E-04	1.09E-04	2.06E-04	1.99E-04	1.13E-02
4339	478363.09	3857377.25	0.00212	0.00124	0.00102	0.00139	0.00181	0.0017	0.0012	0.00124	1.02E-02	5.28E-05	2.45E-09	3.37E-05	3.90E-04	1.10E-04	1.96E-04	1.94E-04	1.08E-02
4340	478863.09	3857377.25	0.00211	0.00122	0.00104	0.00142	0.00184	0.00174	0.00118	0.00122	1.01E-02	5.19E-05	2.49E-09	3.44E-05	3.97E-04	1.13E-04	1.93E-04	1.91E-04	1.07E-02
4341	479363.09	3857377.25	0.00261	0.00141	0.00118	0.00164	0.00216	0.00199	0.00138	0.00141	1.25E-02	6.00E-05	2.83E-09	3.97E-05	4.66E-04	1.29E-04	2.25E-04	2.21E-04	1.32E-02
4342	479863.09	3857377.25	0.00454	0.0018	0.00144	0.00226	0.00255	0.00257	0.00187	0.0018	2.18E-02	7.66E-05	3.45E-09	5.48E-05	5.50E-04	1.66E-04	3.05E-04	2.82E-04	2.27E-02
4343	480363.09	3857377.25	0.00436	0.00177	0.00151	0.00221	0.00265	0.00259	0.0018	0.00177	2.09E-02	7.53E-05	3.62E-09	5.35E-05	5.72E-04	1.68E-04	2.94E-04	2.77E-04	2.18E-02
4344	480863.09	3857377.25	0.00621	0.0027	0.00273	0.00335	0.0035	0.00404	0.00265	0.0027	2.98E-02	1.15E-04	6.55E-09	8.12E-05	7.55E-04	2.61E-04	4.33E-04	4.23E-04	3.10E-02
4345	481363.09	3857377.25	0.00699	0.00282	0.00295	0.00366	0.0039	0.00437	0.00277	0.00282	3.35E-02	1.20E-04	7.08E-09	8.87E-05	8.41E-04	2.83E-04	4.52E-04	4.42E-04	3.49E-02
4346	481863.09	3857377.25	0.00761	0.00323	0.00388	0.00403	0.00456	0.00511	0.003	0.00323	3.65E-02	1.37E-04	9.31E-09	9.76E-05	9.83E-04	3.31E-04	4.90E-04	5.06E-04	3.81E-02
4347	482363.09	3857377.25	0.00806	0.00387	0.00417	0.00432	0.00526	0.00627	0.0032	0.00387	3.87E-02	1.65E-04	1.00E-08	1.05E-04	1.13E-03	4.06E-04	5.22E-04	6.06E-04	4.04E-02
4348	482863.09	3857377.25	0.00923	0.0043	0.00466	0.00464	0.00599	0.00717	0.00336	0.0043	4.43E-02	1.83E-04	1.12E-08	1.12E-04	1.29E-03	4.64E-04	5.48E-04	6.74E-04	4.62E-02
4349	483363.09	3857377.25	0.01091	0.0048	0.00525	0.00506	0.00706	0.00829	0.0036	0.0048	5.24E-02	2.04E-04	1.26E-08	1.23E-04	1.52E-03	5.36E-04	5.88E-04	7.52E-04	5.46E-02
4350	483863.09	3857377.25	0.01318	0.00556	0.00661	0.00558	0.00861	0.00992	0.00394	0.00556	6.32E-02	2.37E-04	1.59E-08	1.35E-04	1.86E-03	6.42E-04	6.43E-04	8.71E-04	6.59E-02
4351	484363.09	3857377.25	0.01707	0.00673	0.00623	0.00625	0.01085	0.01278	0.00436	0.00673	8.19E-02	2.86E-04	1.49E-08	1.51E-04	2.34E-03	8.27E-04	7.12E-04	1.05E-03	8.52E-02
4352	484863.09	3857377.25	0.02314	0.00888	0.00616	0.00717	0.01431	0.01899	0.00501	0.00888	1.11E-01	3.78E-04	1.48E-08	1.74E-04	3.09E-03	1.23E-03	8.18E-04	1.39E-03	1.15E-01
4353	485363.09	3857377.25	0.04106	0.01322	0.00798	0.00853	0.01985	0.05051	0.00587	0.01322	1.97E-01	5.62E-04	1.91E-08	2.07E-04	4.28E-03	3.27E-03	9.58E-04	2.07E-03	2.04E-01
4354	485863.09	3857377.25	0.10734	0.03136	0.00967	0.01053	0.02943	0.08778	0.00733	0.03136	5.15E-01	1.33E-03	2.32E-08	2.55E-04	6.35E-03	5.68E-03	1.20E-03	4.91E-03	5.25E-01
4355	486363.09	3857377.25	0.12702	0.11371	0.01089	0.01463	0.05148	0.0403	0.0109	0.11371	6.10E-01	4.84E-03	2.61E-08	3.54E-04	1.11E-02	2.61E-03	1.78E-03	1.78E-02	6.12E-01
4356	486863.09	3857377.25	0.13709	0.03128	0.01204	0.02459	0.11355	0.03455	0.02506	0.03128	6.58E-01	1.33E-03	2.89E-08	5.96E-04	2.45E-02	2.24E-03	4.09E-03	4.90E-03	6.86E-01
4357	487363.09	3857377.25	0.13184	0.02224	0.013	0.09641	0.31686	0.10221	0.15224	0.02224	6.33E-01	9.46E-04	3.12E-08	2.34E-03	6.83E-02	6.61E-03	2.48E-02	3.48E-03	7.32E-01
4358	487863.09	3857377.25	0.06177	0.01809	0.01487	0.12045	2.37935	0.07432	0.03742	0.01809	2.96E-01	7.70E-04	3.57E-08	2.92E-03	5.13E-01	4.81E-03	6.11E-03	2.83E-03	8.21E-01
4359	488363.09	3857377.25	0.04327	0.01525	0.01793	0.05307	1.03554	0.04282	0.02245	0.01525	2.08E-01	6.49E-04	4.30E-08	1.29E-03	2.23E-01	2.77E-03	3.66E-03	2.39E-03	4.37E-01
4360	488863.09	3857377.25	0.03465	0.01331	0.01904	0.03737	0.38415	0.03385	0.01659	0.01331	1.66E-01	5.66E-04	4.57E-08	9.05E-04	8.29E-02	2.19E-03	2.71E-03	2.09E-03	2.53E-01
4361	489363.09	3857377.25	0.02979	0.01179	0.02003	0.0304	0.2146	0.02892	0.01346	0.01179	1.43E-01	5.02E-04	4.80E-08	7.36E-04	4.63E-02	1.87E-03	2.20E-03	1.85E-03	1.93E-01
4362	489863.09	3857377.25	0.02675	0.01047	0.01749	0.02765	0.14186	0.02508	0.01145	0.01047	1.28E-01	4.45E-04	4.19E-08	6.70E-04	3.06E-02	1.62E-03	1.87E-03	1.64E-03	1.62E-01
4363	490363.09	3857377.25	0.02462	0.00942	0.01556	0.02762	0.10157	0.02218	0.01006	0.00942	1.18E-01	4.01E-04	3.73E-08	6.69E-04	2.19E-02	1.44E-03	1.64E-03	1.48E-03	1.43E-01
4364	490863.09	3857377.25	0.02276	0.00856	0.01369	0.03266	0.07677	0.01999	0.00899	0.00856	1.09E-01	3.64E-04	3.28E-08	7.91E-04	1.66E-02	1.29E-03	1.47E-03	1.34E-03	1.28E-01
4365	491363.09	3857377.25	0.02109	0.00785	0.01232	0.07757	0.06025	0.01822	0.00813	0.00785	1.01E-01	3.34E-04	2.95E-08	1.88E-03	1.30E-02	1.18E-03	1.33E-03	1.23E-03	1.18E-01
4366	491863.09	3857377.25	0.01985	0.00697	0.0109	0.1085	0.04838	0.01616	0.00726	0.00697	9.53E-02	2.97E-04	2.61E-08	2.63E-03	1.04E-02	1.05E-03	1.19E-03	1.09E-03	1.10E-01
4367	492363.09	3857377.25	0.01843	0.00554	0.00836	0.03769	0.03496	0.01294	0.0059	0.00554	8.84E-02	2.36E-04	2.01E-08	9.13E-04	7.54E-03	8.37E-04	9.63E-04	8.68E-04	9.81E-02
4368	492863.09	3857377.25	0.01516	0.00458	0.00698	0.02276	0.02375	0.01063	0.00477	0.00458	7.28E-02	1.95E-04	1.67E-08	5.51E-04	5.12E-03	6.88E-04	7.79E-04	7.17E-04	7.94E-02
4369	493363.09	3857377.25	0.01121	0.00391	0.00584	0.01604	0.01719	0.00897	0.00395	0.00391	5.38E-02	1.66E-04	1.40E-08	3.89E-04	3.71E-03	5.80E-04	6.45E-04	6.13E-04	5.87E-02
4370	493863.09	3857377.25	0.00958	0.00362	0.00543	0.01307	0.01422	0.0083	0.00361	0.00362	4.60E-02	1.54E-04	1.30E-08	3.17E-04	3.07E-03	5.37E-04	5.89E-04	5.67E-04	5.01E-02
4371	494363.09	3857377.25	0.00818	0.00334	0.00501	0.01086	0.01186	0.00764	0.0033	0.00334	3.93E-02	1.42E-04	1.20E-08	2.63E-04	2.56E-03	4.94E-04	5.39E-04	5.23E-04	4.27E-02
4372	494863.09	3857377.25	0.00746	0.00319	0.00472	0.00959	0.01049	0.00736	0.00315	0.00319	3.58E-02	1.36E-04	1.13E-08	2.32E-04	2.26E-03	4.76E-04	5.14E-04	5.00E-04	3.89E-02
4373	495363.09	3857377.25	0.00693	0.00307	0.0044	0.00865	0.00943	0.00723	0.00302	0.00307	3.33E-02	1.31E-04	1.06E-08	2.10E-04	2.03E-03	4.68E-04	4.93E-04	4.81E-04	3.61E-02
4374	495863.09	3857377.25	0.00669	0.00302	0.00425	0.00808	0.00877	0.00745	0.00298	0.00302	3.21E-02	1.28E-04	1.02E-08	1.96E-04	1.89E-03	4.82E-04	4.86E-04	4.73E-04	3.48E-02
4375	496363.09	3857377.25	0.00653	0.00299	0.0041	0.00767	0.00827	0.0079	0.00296	0.00299	3.13E-02	1.27E-04	9.83E-09	1.86E-04	1.78E-03	5.11E-04	4.83E-04	4.68E-04	3.40E-02
4376	496863.09	3857377.25	0.00644	0.00298	0.00403	0.00734	0.0079	0.00832	0.00296	0.00298	3.09E-02	1.27E-04	9.67E-09	1.78E-04	1.70E-03	5.38E-04	4.83E-04	4.67E-04	3.35E-02
4377	497363.09	3857377.25	0.00659	0.00302	0.004	0.00721	0.00773	0.00885	0.00301	0.00302	3.16E-02	1.28E-04	9.59E-09	1.75E-04	1.67E-03	5.73E-04	4.91E-04	4.73E-04	3.42E-02
4378	497863.09	3857377.25	0.0069	0.00311	0.00405	0.00722	0.00782	0.01042	0.00312	0.00311	3.31E-02	1.32E-04	9.71E-09	1.75E-04	1.69E-03	6.74E-04	5.09E-04	4.87E-04	3.58E-02
4379	498363.09	3857377.25	0.00778	0.00338	0.00432	0.00778	0.00845	0.01126	0.00343	0.00338	3.73E-02	1.44E-04	1.04E-08	1.88E-04	1.82E-03	7.29E-04	5.60E-04	5.29E-04	4.02E-02
4380	471363.09	3857877.25	0.00163	0.00121	0.00067	0.0011	0.00114	0.00121	0.00123	0.00121	7.82E-03	5.15E-05	1.61E-09	2.66E-05	2.46E-04	7.83E-05	2.01E-04	1.90E-04	8.24E-03
4381	471863.09	3857877.25	0.0017	0.00123	0.0007	0.00114	0.00118	0.00125	0.00125	0.00123	8.16E-03	5.23E-05	1.68E-09	2.76E-05	2.54E-04	8.09E-05	2.04E-04	1.93E-04	8.58E-03
4382	472363.09	3857877.25	0.00178	0.00126	0.00073	0.00118	0.00123	0.00131	0.00128	0.00126	8.54E-03	5.36E-05	1.75E-09	2.86E-05	2.65E-04	8.48E-05	2.09E-04	1.97E-04	8.99E-03
4383	472863.09	3857877.25	0.00187	0.00131	0.00078	0.00124	0.00129	0.00138	0.00133	0.00131	8.97E-03	5.57E-05	1.87E-09	3.00E-05	2.78E-04	8.93E-05	2.17E-04	2.05E-04	9.44E-03
4384	473363.09	3857877.25	0.00197	0.00134	0.00082	0.00129	0.00134	0.00144	0.00137	0.00134	9.45E-03	5.70E-05	1.97E-09	3.13E-05	2.89E-04	9.32E-05	2.24E-04	2.10E-04	9.94E-03
4385	473863.09	3857877.25	0.00208	0.0014	0.00088	0.00136	0.00142	0.00153	0.00142	0.0014	9.98E-03	5.96E-05	2.11E-09	3.29E-05	3.06E-04	9.90E-05	2.32E-04	2.19E-04	1.05E-02

4386	474363.09	3857877.25	0.00217	0.00134	0.00087	0.00137	0.00145	0.00151	0.00138	0.00134	1.04E-02	5.70E-05	2.09E-09	3.32E-05	3.13E-04	9.77E-05	2.25E-04	2.10E-04	1.09E-02
4387	474863.09	3857877.25	0.00212	0.00121	0.00084	0.0013	0.00144	0.00141	0.00125	0.00121	1.02E-02	5.15E-05	2.01E-09	3.15E-05	3.11E-04	9.12E-05	2.04E-04	1.90E-04	1.07E-02
4388	475363.09	3857877.25	0.00171	0.00103	0.00078	0.00114	0.00139	0.00127	0.00104	0.00103	8.21E-03	4.38E-05	1.87E-09	2.76E-05	3.00E-04	8.22E-05	1.70E-04	1.61E-04	8.67E-03
4389	475863.09	3857877.25	0.00133	0.00087	0.00067	0.00098	0.00121	0.00114	0.00086	0.00087	6.38E-03	3.70E-05	1.61E-09	2.37E-05	2.61E-04	7.38E-05	1.40E-04	1.36E-04	6.78E-03
4390	476363.09	3857877.25	0.00194	0.00109	0.00084	0.00126	0.00151	0.00142	0.0011	0.00109	9.31E-03	4.64E-05	2.01E-09	3.05E-05	3.26E-04	9.19E-05	1.80E-04	1.71E-04	9.81E-03
4391	476863.09	3857877.25	0.00224	0.00118	0.00093	0.00138	0.00162	0.00155	0.0012	0.00118	1.07E-02	5.02E-05	2.23E-09	3.34E-05	3.49E-04	1.00E-04	1.96E-04	1.85E-04	1.13E-02
4392	477363.09	3857877.25	0.00231	0.00121	0.00097	0.00142	0.00167	0.00161	0.00122	0.00121	1.11E-02	5.15E-05	2.33E-09	3.44E-05	3.60E-04	1.04E-04	1.99E-04	1.90E-04	1.16E-02
4393	477863.09	3857877.25	0.00233	0.00123	0.00102	0.00145	0.00171	0.00167	0.00124	0.00123	1.12E-02	5.23E-05	2.45E-09	3.51E-05	3.69E-04	1.08E-04	2.02E-04	1.93E-04	1.18E-02
4394	478363.09	3857877.25	0.00188	0.00113	0.00093	0.00131	0.00157	0.00157	0.0011	0.00113	9.02E-03	4.81E-05	2.23E-09	3.17E-05	3.39E-04	1.02E-04	1.80E-04	1.77E-04	9.54E-03
4395	478863.09	3857877.25	0.00186	0.00111	0.00091	0.00129	0.00153	0.00156	0.00108	0.00111	8.93E-03	4.72E-05	2.18E-09	3.13E-05	3.30E-04	1.01E-04	1.76E-04	1.74E-04	9.44E-03
4396	479363.09	3857877.25	0.00395	0.00165	0.00133	0.00206	0.00239	0.00229	0.00173	0.00165	1.90E-02	7.02E-05	3.19E-09	4.99E-05	5.15E-04	1.48E-04	2.82E-04	2.58E-04	1.98E-02
4397	479863.09	3857877.25	0.00478	0.00209	0.00189	0.00259	0.00321	0.00293	0.00216	0.00209	2.29E-02	8.89E-05	4.53E-09	6.27E-05	6.92E-04	1.90E-04	3.53E-04	3.27E-04	2.40E-02
4398	480363.09	3857877.25	0.0051	0.00238	0.00225	0.00285	0.0037	0.00339	0.00235	0.00238	2.45E-02	1.01E-04	5.40E-09	6.90E-05	7.98E-04	2.19E-04	3.84E-04	3.73E-04	2.57E-02
4399	480863.09	3857877.25	0.00557	0.00251	0.00225	0.0031	0.00416	0.00375	0.00247	0.00251	2.67E-02	1.07E-04	5.40E-09	7.51E-05	8.97E-04	2.43E-04	4.03E-04	3.93E-04	2.81E-02
4400	481363.09	3857877.25	0.0061	0.00265	0.00265	0.00338	0.00476	0.00408	0.00259	0.00265	2.93E-02	1.13E-04	6.36E-09	8.19E-05	1.03E-03	2.64E-04	4.23E-04	4.15E-04	3.08E-02
4401	481863.09	3857877.25	0.00657	0.00289	0.0029	0.00367	0.00556	0.00457	0.00276	0.00289	3.15E-02	1.23E-04	6.96E-09	8.89E-05	1.20E-03	2.96E-04	4.51E-04	4.53E-04	3.32E-02
4402	482363.09	3857877.25	0.00688	0.00336	0.00336	0.00404	0.00649	0.00545	0.00298	0.00336	3.30E-02	1.43E-04	8.06E-09	9.79E-05	1.40E-03	3.53E-04	4.86E-04	5.26E-04	3.50E-02
4403	482863.09	3857877.25	0.0072	0.00378	0.00384	0.00434	0.00719	0.00644	0.00311	0.00378	3.46E-02	1.61E-04	9.21E-09	1.05E-04	1.55E-03	4.17E-04	5.08E-04	5.92E-04	3.67E-02
4404	483363.09	3857877.25	0.00784	0.00413	0.00439	0.00474	0.00843	0.0074	0.0033	0.00413	3.76E-02	1.76E-04	1.05E-08	1.15E-04	1.82E-03	4.79E-04	5.39E-04	6.47E-04	4.01E-02
4405	483863.09	3857877.25	0.0086	0.00463	0.00438	0.00519	0.00998	0.00865	0.00357	0.00463	4.13E-02	1.97E-04	1.05E-08	1.26E-04	2.15E-03	5.60E-04	5.83E-04	7.25E-04	4.42E-02
4406	484363.09	3857877.25	0.01018	0.00528	0.00444	0.00572	0.01185	0.01058	0.00389	0.00528	4.89E-02	2.25E-04	1.06E-08	1.39E-04	2.56E-03	6.85E-04	6.35E-04	8.27E-04	5.23E-02
4407	484863.09	3857877.25	0.01273	0.00642	0.00476	0.00639	0.01438	0.01402	0.00437	0.00642	6.11E-02	2.73E-04	1.14E-08	1.55E-04	3.10E-03	9.07E-04	7.13E-04	1.01E-03	6.52E-02
4408	485363.09	3857877.25	0.01715	0.00819	0.00608	0.00736	0.01801	0.02132	0.005	0.00819	8.23E-02	3.48E-04	1.46E-08	1.78E-04	3.88E-03	1.38E-03	8.16E-04	1.28E-03	8.76E-02
4409	485863.09	3857877.25	0.04086	0.01145	0.00855	0.00879	0.02354	0.05207	0.00587	0.01145	1.96E-01	4.87E-04	2.05E-08	2.13E-04	5.08E-03	3.37E-03	9.58E-04	1.79E-03	2.04E-01
4410	486363.09	3857877.25	0.10518	0.02102	0.01538	0.01095	0.03191	0.29653	0.00732	0.02102	5.05E-01	8.94E-04	3.69E-08	2.65E-04	6.88E-03	1.92E-02	1.19E-03	3.29E-03	5.30E-01
4411	486863.09	3857877.25	0.12387	0.16992	0.05083	0.01467	0.04438	0.09394	0.01052	0.16992	5.94E-01	7.23E-03	1.22E-07	3.55E-04	9.57E-03	6.08E-03	1.72E-03	2.66E-02	5.93E-01
4412	487363.09	3857877.25	0.13284	0.06942	0.11585	0.02395	0.06074	0.06575	0.02278	0.06942	6.37E-01	2.95E-03	2.78E-07	5.80E-04	1.31E-02	4.25E-03	3.72E-03	1.09E-02	6.51E-01
4413	487863.09	3857877.25	0.13216	0.03377	0.13599	0.07701	0.08056	0.12712	0.18122	0.03377	6.34E-01	1.44E-03	3.26E-07	1.87E-03	1.74E-02	8.22E-03	2.96E-02	5.29E-03	6.87E-01
4414	488363.09	3857877.25	0.06608	0.0239	0.07367	0.14205	0.11993	0.12327	0.03904	0.0239	3.17E-01	1.02E-03	1.77E-07	3.44E-03	2.59E-02	7.98E-03	6.37E-03	3.74E-03	3.58E-01
4415	488863.09	3857877.25	0.04688	0.01886	0.04544	0.06202	0.10359	0.06043	0.02322	0.01886	2.25E-01	8.02E-04	1.09E-07	1.50E-03	2.23E-02	3.91E-03	3.79E-03	2.95E-03	2.54E-01
4416	489363.09	3857877.25	0.04707	0.01545	0.0318	0.04723	0.0876	0.04251	0.01703	0.01545	2.26E-01	6.57E-04	7.63E-08	1.14E-03	1.89E-02	2.75E-03	2.78E-03	2.42E-03	2.50E-01
4417	489863.09	3857877.25	0.04691	0.01309	0.0226	0.04429	0.07472	0.03329	0.01363	0.01309	2.25E-01	5.57E-04	5.42E-08	1.07E-03	1.61E-02	2.15E-03	2.22E-03	2.05E-03	2.45E-01
4418	490363.09	3857877.25	0.03238	0.01153	0.01767	0.048	0.06258	0.0279	0.01159	0.01153	1.55E-01	4.91E-04	4.24E-08	1.16E-03	1.35E-02	1.81E-03	1.89E-03	1.81E-03	1.72E-01
4419	490863.09	3857877.25	0.02575	0.01031	0.01478	0.06394	0.0526	0.02414	0.01019	0.01031	1.24E-01	4.39E-04	3.54E-08	1.55E-03	1.13E-02	1.56E-03	1.66E-03	1.62E-03	1.39E-01
4420	491363.09	3857877.25	0.0232	0.00887	0.01289	0.32534	0.04426	0.02037	0.00881	0.00887	1.11E-01	3.77E-04	3.09E-08	7.88E-03	9.55E-03	1.32E-03	1.44E-03	1.39E-03	1.31E-01
4421	491863.09	3857877.25	0.02147	0.00747	0.01062	0.06288	0.03618	0.01702	0.00752	0.00747	1.03E-01	3.18E-04	2.55E-08	1.52E-03	7.80E-03	1.10E-03	1.23E-03	1.17E-03	1.14E-01
4422	492363.09	3857877.25	0.01883	0.00584	0.00858	0.03106	0.02479	0.01331	0.00593	0.00584	9.04E-02	2.48E-04	2.06E-08	7.52E-04	5.35E-03	8.61E-04	9.68E-04	9.15E-04	9.76E-02
4423	492863.09	3857877.25	0.01423	0.00478	0.00714	0.02036	0.01709	0.01095	0.00476	0.00478	6.83E-02	2.03E-04	1.71E-08	4.93E-04	3.69E-03	7.08E-04	7.77E-04	7.49E-04	7.34E-02
4424	493363.09	3857877.25	0.01185	0.0043	0.00659	0.01598	0.01399	0.00998	0.00426	0.0043	5.69E-02	1.83E-04	1.58E-08	3.87E-04	3.02E-03	6.46E-04	6.95E-04	6.74E-04	6.11E-02
4425	493863.09	3857877.25	0.01058	0.00403	0.0061	0.01348	0.01226	0.00952	0.00398	0.00403	5.08E-02	1.71E-04	1.46E-08	3.27E-04	2.64E-03	6.16E-04	6.50E-04	6.31E-04	5.45E-02
4426	494363.09	3857877.25	0.00966	0.00384	0.0056	0.01177	0.01089	0.00929	0.00379	0.00384	4.64E-02	1.63E-04	1.34E-08	2.85E-04	2.35E-03	6.01E-04	6.19E-04	6.02E-04	4.98E-02
4427	494863.09	3857877.25	0.00841	0.00359	0.00516	0.01018	0.00942	0.00896	0.00352	0.00359	4.04E-02	1.53E-04	1.24E-08	2.47E-04	2.03E-03	5.80E-04	5.75E-04	5.62E-04	4.34E-02
4428	495363.09	3857877.25	0.00788	0.00347	0.0049	0.00929	0.00863	0.00929	0.00341	0.00347	3.78E-02	1.48E-04	1.18E-08	2.25E-04	1.86E-03	6.01E-04	5.57E-04	5.44E-04	4.07E-02
4429	495863.09	3857877.25	0.00742	0.00337	0.00465	0.00857	0.008	0.01045	0.00331	0.00337	3.56E-02	1.43E-04	1.12E-08	2.08E-04	1.73E-03	6.76E-04	5.40E-04	5.28E-04	3.84E-02
4430	496363.09	3857877.25	0.00732	0.00334	0.00447	0.00819	0.00769	0.01562	0.0033	0.00334	3.51E-02	1.42E-04	1.07E-08	1.98E-04	1.66E-03	1.01E-03	5.39E-04	5.23E-04	3.82E-02
4431	496863.09	3857877.25	0.00723	0.00333	0.00437	0.00785	0.00743	0.08068	0.0033	0.00333	3.47E-02	1.42E-04	1.05E-08	1.90E-04	1.60E-03	5.22E-03	5.39E-04	5.22E-04	4.19E-02
4432	497363.09	3857877.25	0.00704	0.00329	0.0042	0.00749	0.00711	0.14866	0.00328	0.00329	3.38E-02	1.40E-04	1.01E-08	1.81E-04	1.53E-03	9.62E-03	5.35E-04	5.15E-04	4.53E-02
4433	497863.09	3857877.25	0.00762	0.00346	0.0043	0.00773	0.00754	0.02785	0.00348	0.00346	3.66E-02	1.47E-04	1.03E-08	1.87E-04	1.63E-03	1.80E-03	5.68E-04	5.42E-04	4.04E-02
4434	498363.09	3857877.25	0.00807	0.00362	0.00436	0.00802	0.00795	0.018	0.00367	0.00362	3.87E-02	1.54E-04	1.05E-08	1.94E-04	1.71E-03	1.16E-03	5.99E-04	5.67E-04	4.20E-02
4435	471363.09	3858377.25	0.00162	0.00119	0.00069	0.0011	0.00126	0.00121	0.00121	0.00119	7.77E-03	5.06E-05	1.65E-09	2.66E-05	2.72E-04	7.83E-05	1.98E-04	1.86E-04	8.21E-03
4436	471863.09	3858377.25	0.00168	0.00121	0.00071	0.00114	0.00132	0.00125	0.00123	0.00121	8.06E-03	5.15E-05	1.70E-09	2.76E-05	2.85E-04	8.09E-05	2.01E-04	1.90E-04	8.52E-03
4437	472363.09	3858377.25	0.00176	0.00123	0.00074	0.00118	0.00138	0.0013	0.00125	0.00123	8.45E-03	5.23E-05	1.77E-09	2.86E-05	2.98E-04	8.41E-05	2.04E-04	1.93E-04	8.92E-03
4438	472863.09	3858377.25	0.00184	0.00126	0.00078	0.00123	0.00145	0.00137	0.00128	0.00126	8.83E-03	5.36E-05	1.87E-09	2.98E-05	3.13E-04	8.86E-05	2.09E-04	1.97E-04	9.33E-03
4439	473363.09	3858377.25	0.00195	0.00133	0.00087	0.00131	0.00155	0.00146	0.00134	0.00133	9.36E-03	5.66E-05	2.09E-09	3.17E-05	3.34E-04	9.45E-05	2.19E-04	2.08E-04	9.89E-03
4440	473863.09	3858377.25	0.00204	0.00133	0.00089	0.00135	0.00161	0.00149	0.00135	0.00133	9.79E-03	5.66E-05	2.13E-09	3.27E-05	3.47E-04	9.64E-05	2.20E-04	2.08E-04	1.03E-02
4441	474363.09	3858377.25	0.0021	0.00125	0.00086	0.00134	0.0016	0.00145	0.00129	0.00125	1.01E-02	5.32E-05	2.06E-09	3.25E-05	3.45E-04	9.38E-05	2.11E-04	1.96E-04	1.06E-02
4442	474863.09	3858377.25	0.00209	0.00117	0.00081	0.00131	0.0015	0.0014	0.00121	0.00117	1.00E-02	4.98E-05	1.94E-09	3.17E-05	3.24E-04	9.06E-05	1.98E-04	1.83E-04	1.05E-02

4443	475363.09	3858377.25	0.00186	0.00104	0.00077	0.00121	0.00131	0.00131	0.00106	0.00104	8.93E-03	4.43E-05	1.85E-09	2.93E-05	2.83E-04	8.48E-05	1.73E-04	1.63E-04	9.38E-03
4444	475863.09	3858377.25	0.00164	0.00097	0.00075	0.00114	0.00122	0.00127	0.00098	0.00097	7.87E-03	4.13E-05	1.80E-09	2.76E-05	2.63E-04	8.22E-05	1.60E-04	1.52E-04	8.29E-03
4445	476363.09	3858377.25	0.00176	0.001	0.0008	0.0012	0.00126	0.00134	0.00101	0.001	8.45E-03	4.25E-05	1.92E-09	2.91E-05	2.72E-04	8.67E-05	1.65E-04	1.57E-04	8.88E-03
4446	476863.09	3858377.25	0.00189	0.00104	0.00085	0.00127	0.00132	0.00142	0.00105	0.00104	9.07E-03	4.43E-05	2.04E-09	3.08E-05	2.85E-04	9.19E-05	1.71E-04	1.63E-04	9.53E-03
4447	477363.09	3858377.25	0.00191	0.00106	0.00088	0.00129	0.00133	0.00147	0.00106	0.00106	9.17E-03	4.51E-05	2.11E-09	3.13E-05	2.87E-04	9.51E-05	1.73E-04	1.66E-04	9.63E-03
4448	477863.09	3858377.25	0.00229	0.00116	0.00098	0.00146	0.0015	0.00162	0.00117	0.00116	1.10E-02	4.94E-05	2.35E-09	3.54E-05	3.24E-04	1.05E-04	1.91E-04	1.82E-04	1.15E-02
4449	478363.09	3858377.25	0.00246	0.00122	0.00101	0.00154	0.00159	0.00171	0.00123	0.00122	1.18E-02	5.19E-05	2.42E-09	3.73E-05	3.43E-04	1.11E-04	2.01E-04	1.91E-04	1.24E-02
4450	478863.09	3858377.25	0.00207	0.00116	0.00097	0.00142	0.00142	0.00165	0.00115	0.00116	9.93E-03	4.94E-05	2.33E-09	3.44E-05	3.06E-04	1.07E-04	1.88E-04	1.82E-04	1.04E-02
4451	479363.09	3858377.25	0.00373	0.00156	0.00126	0.00204	0.00257	0.00223	0.00165	0.00156	1.79E-02	6.64E-05	3.02E-09	4.94E-05	5.54E-04	1.44E-04	2.69E-04	2.44E-04	1.87E-02
4452	479863.09	3858377.25	0.00429	0.00203	0.0017	0.00252	0.00387	0.00289	0.00205	0.00203	2.06E-02	8.64E-05	4.08E-09	6.11E-05	8.35E-04	1.87E-04	3.35E-04	3.18E-04	2.18E-02
4453	480363.09	3858377.25	0.00453	0.0023	0.00179	0.00276	0.00446	0.00331	0.00224	0.0023	2.17E-02	9.79E-05	4.29E-09	6.69E-05	9.62E-04	2.14E-04	3.66E-04	3.60E-04	2.31E-02
4454	480863.09	3858377.25	0.0049	0.00242	0.00207	0.00297	0.00502	0.00355	0.00236	0.00242	2.35E-02	1.03E-04	4.96E-09	7.20E-05	1.08E-03	2.30E-04	3.85E-04	3.79E-04	2.50E-02
4455	481363.09	3858377.25	0.00526	0.00258	0.00239	0.00318	0.00564	0.00386	0.00249	0.00258	2.52E-02	1.10E-04	5.73E-09	7.70E-05	1.22E-03	2.50E-04	4.06E-04	4.04E-04	2.69E-02
4456	481863.09	3858377.25	0.00566	0.00269	0.00252	0.00341	0.00632	0.00415	0.0026	0.00269	2.72E-02	1.14E-04	6.04E-09	8.26E-05	1.36E-03	2.69E-04	4.24E-04	4.21E-04	2.90E-02
4457	482363.09	3858377.25	0.00605	0.00292	0.00264	0.00367	0.007	0.0047	0.00276	0.00292	2.90E-02	1.24E-04	6.33E-09	8.89E-05	1.51E-03	3.04E-04	4.51E-04	4.57E-04	3.11E-02
4458	482863.09	3858377.25	0.00624	0.00331	0.00324	0.00403	0.00767	0.00561	0.00293	0.00331	2.99E-02	1.41E-04	7.77E-09	9.76E-05	1.65E-03	3.63E-04	4.78E-04	5.19E-04	3.22E-02
4459	483363.09	3858377.25	0.00643	0.00367	0.00403	0.00435	0.00803	0.00666	0.00307	0.00367	3.09E-02	1.56E-04	9.67E-09	1.05E-04	1.73E-03	4.31E-04	5.01E-04	5.75E-04	3.32E-02
4460	483863.09	3858377.25	0.00695	0.00399	0.00374	0.00472	0.00881	0.00778	0.00324	0.00399	3.34E-02	1.70E-04	8.97E-09	1.14E-04	1.90E-03	5.03E-04	5.29E-04	6.25E-04	3.59E-02
4461	484363.09	3858377.25	0.00794	0.00442	0.00428	0.00524	0.01004	0.00939	0.00351	0.00442	3.81E-02	1.88E-04	1.03E-08	1.27E-04	2.17E-03	6.08E-04	5.73E-04	6.92E-04	4.11E-02
4462	484863.09	3858377.25	0.00979	0.00507	0.00477	0.00586	0.01155	0.01197	0.00388	0.00507	4.70E-02	2.16E-04	1.14E-08	1.42E-04	2.49E-03	7.74E-04	6.33E-04	7.94E-04	5.04E-02
4463	485363.09	3858377.25	0.01258	0.00603	0.00572	0.00662	0.01358	0.01673	0.00437	0.00603	6.04E-02	2.57E-04	1.37E-08	1.60E-04	2.93E-03	1.08E-03	7.13E-04	9.45E-04	6.46E-02
4464	485863.09	3858377.25	0.01791	0.00737	0.00782	0.00769	0.01609	0.02855	0.005	0.00737	8.59E-02	3.14E-04	1.88E-08	1.86E-04	3.47E-03	1.85E-03	8.16E-04	1.15E-03	9.14E-02
4465	486363.09	3858377.25	0.04652	0.0095	0.0117	0.00916	0.01856	0.1998	0.0059	0.0095	2.23E-01	4.04E-04	2.81E-08	2.22E-04	4.00E-03	1.29E-02	9.63E-04	1.49E-03	2.40E-01
4466	486863.09	3858377.25	0.111	0.0137	0.02056	0.01139	0.02025	0.15552	0.00737	0.0137	5.33E-01	5.83E-04	4.93E-08	2.76E-04	4.37E-03	1.01E-02	1.20E-03	2.15E-03	5.47E-01
4467	487363.09	3858377.25	0.1265	0.02711	0.04186	0.01535	0.01859	0.22976	0.01051	0.02711	6.07E-01	1.15E-03	1.00E-07	3.72E-04	4.01E-03	1.49E-02	1.72E-03	4.25E-03	6.25E-01
4468	487863.09	3858377.25	0.1335	0.46096	0.04078	0.02451	0.0137	0.14373	0.02183	0.46096	6.41E-01	1.96E-02	9.78E-08	5.94E-04	2.95E-03	9.30E-03	3.56E-03	7.22E-02	6.04E-01
4469	488363.09	3858377.25	0.13272	0.06325	0.03702	0.0684	0.02296	0.09414	0.23715	0.06325	6.37E-01	2.69E-03	8.88E-08	1.66E-03	4.95E-03	6.09E-03	3.87E-02	9.91E-03	6.81E-01
4470	488863.09	3858377.25	0.06875	0.0339	0.02807	0.1817	0.02659	0.1212	0.04213	0.0339	3.30E-01	1.44E-03	6.73E-08	4.40E-03	5.73E-03	7.84E-03	6.88E-03	5.31E-03	3.51E-01
4471	489363.09	3858377.25	0.04513	0.0235	0.02286	0.33004	0.02674	0.05867	0.02438	0.0235	2.17E-01	1.00E-03	5.48E-08	8.00E-03	5.77E-03	3.80E-03	3.98E-03	3.68E-03	2.35E-01
4472	489863.09	3858377.25	0.0351	0.01824	0.01778	0.35643	0.02722	0.04174	0.01788	0.01824	1.68E-01	7.76E-04	4.26E-08	8.64E-03	5.87E-03	2.70E-03	2.92E-03	2.86E-03	1.86E-01
4473	490363.09	3858377.25	0.02952	0.01502	0.01475	0.29294	0.02749	0.03319	0.01441	0.01502	1.42E-01	6.39E-04	3.54E-08	7.10E-03	5.93E-03	2.15E-03	2.35E-03	2.35E-03	1.57E-01
4474	490863.09	3858377.25	0.02583	0.01282	0.01467	0.19573	0.02769	0.02762	0.0122	0.01282	1.24E-01	5.45E-04	3.52E-08	4.74E-03	5.97E-03	1.79E-03	1.99E-03	2.01E-03	1.37E-01
4475	491363.09	3858377.25	0.02366	0.01048	0.01321	0.07668	0.02687	0.02247	0.01003	0.01048	1.14E-01	4.46E-04	3.17E-08	1.86E-03	5.80E-03	1.45E-03	1.64E-03	1.64E-03	1.23E-01
4476	491863.09	3858377.25	0.02214	0.00791	0.01095	0.03687	0.02218	0.017	0.00771	0.00791	1.06E-01	3.37E-04	2.63E-08	8.93E-04	4.78E-03	1.10E-03	1.26E-03	1.24E-03	1.13E-01
4477	492363.09	3858377.25	0.01746	0.00612	0.00917	0.02201	0.01457	0.01315	0.00598	0.00612	8.38E-02	2.60E-04	2.20E-08	5.33E-04	3.14E-03	8.51E-04	9.76E-04	9.59E-04	8.86E-02
4478	492863.09	3858377.25	0.01701	0.006	0.00885	0.01966	0.01517	0.01317	0.00593	0.006	8.16E-02	2.55E-04	2.12E-08	4.76E-04	3.27E-03	8.52E-04	9.68E-04	9.40E-04	8.65E-02
4479	493363.09	3858377.25	0.01458	0.00537	0.00788	0.01605	0.01301	0.01221	0.00531	0.00537	7.00E-02	2.28E-04	1.89E-08	3.89E-04	2.81E-03	7.90E-04	8.67E-04	8.41E-04	7.42E-02
4480	493863.09	3858377.25	0.013	0.00495	0.00719	0.01392	0.01177	0.01191	0.00489	0.00495	6.24E-02	2.11E-04	1.72E-08	3.37E-04	2.54E-03	7.71E-04	7.98E-04	7.75E-04	6.63E-02
4481	494363.09	3858377.25	0.01143	0.00455	0.00649	0.01216	0.01043	0.01179	0.00451	0.00455	5.49E-02	1.94E-04	1.56E-08	2.95E-04	2.25E-03	7.63E-04	7.36E-04	7.13E-04	5.84E-02
4482	494863.09	3858377.25	0.01015	0.00426	0.00587	0.01081	0.00924	0.01217	0.00421	0.00426	4.87E-02	1.81E-04	1.41E-08	2.62E-04	1.99E-03	7.87E-04	6.87E-04	6.67E-04	5.20E-02
4483	495363.09	3858377.25	0.00891	0.00396	0.00529	0.00959	0.0082	0.01322	0.00391	0.00396	4.28E-02	1.68E-04	1.27E-08	2.32E-04	1.77E-03	8.55E-04	6.38E-04	6.20E-04	4.58E-02
4484	495863.09	3858377.25	0.0085	0.00385	0.00499	0.009	0.00782	0.01908	0.00381	0.00385	4.08E-02	1.64E-04	1.20E-08	2.18E-04	1.69E-03	1.23E-03	6.22E-04	6.03E-04	4.41E-02
4485	496363.09	3858377.25	0.00807	0.00374	0.00471	0.00843	0.00743	0.08773	0.00371	0.00374	3.87E-02	1.59E-04	1.13E-08	2.04E-04	1.60E-03	5.68E-03	6.06E-04	5.86E-04	4.64E-02
4486	496863.09	3858377.25	0.0081	0.00376	0.00462	0.00825	0.00742	0.0536	0.00375	0.00376	3.89E-02	1.60E-04	1.11E-08	2.00E-04	1.60E-03	3.47E-03	6.12E-04	5.89E-04	4.43E-02
4487	497363.09	3858377.25	0.00789	0.00372	0.00443	0.00795	0.00721	0.02824	0.00372	0.00372	3.79E-02	1.58E-04	1.06E-08	1.93E-04	1.56E-03	1.83E-03	6.07E-04	5.83E-04	4.16E-02
4488	497863.09	3858377.25	0.00817	0.00387	0.00452	0.00812	0.00758	0.02083	0.00389	0.00387	3.92E-02	1.65E-04	1.08E-08	1.97E-04	1.63E-03	1.35E-03	6.35E-04	6.06E-04	4.26E-02
4489	498363.09	3858377.25	0.00832	0.00409	0.00472	0.00849	0.00812	0.01759	0.00412	0.00409	3.99E-02	1.74E-04	1.13E-08	2.06E-04	1.75E-03	1.14E-03	6.73E-04	6.41E-04	4.32E-02
4490	471363.09	3858877.25	0.0016	0.00116	0.00068	0.0011	0.00135	0.00121	0.00118	0.00116	7.68E-03	4.94E-05	1.63E-09	2.66E-05	2.91E-04	7.83E-05	1.93E-04	1.82E-04	8.13E-03
4491	471863.09	3858877.25	0.00166	0.00118	0.00071	0.00113	0.00138	0.00125	0.00119	0.00118	7.97E-03	5.02E-05	1.70E-09	2.74E-05	2.98E-04	8.09E-05	1.94E-04	1.85E-04	8.43E-03
4492	472363.09	3858877.25	0.00174	0.00122	0.00076	0.00119	0.00144	0.00131	0.00123	0.00122	8.35E-03	5.19E-05	1.82E-09	2.88E-05	3.11E-04	8.48E-05	2.01E-04	1.91E-04	8.84E-03
4493	472863.09	3858877.25	0.00182	0.00125	0.00081	0.00124	0.00149	0.00136	0.00126	0.00125	8.73E-03	5.32E-05	1.94E-09	3.00E-05	3.21E-04	8.80E-05	2.06E-04	1.96E-04	9.24E-03
4494	473363.09	3858877.25	0.00189	0.0013	0.00088	0.0013	0.00157	0.00144	0.00131	0.0013	9.07E-03	5.53E-05	2.11E-09	3.15E-05	3.39E-04	9.32E-05	2.14E-04	2.04E-04	9.60E-03
4495	473863.09	3858877.25	0.002	0.00131	0.00089	0.00134	0.00162	0.00147	0.00132	0.00131	9.60E-03	5.57E-05	2.13E-09	3.25E-05	3.49E-04	9.51E-05	2.15E-04	2.05E-04	1.01E-02
4496	474363.09	3858877.25	0.00206	0.00124	0.00084	0.00134	0.00159	0.00145	0.00128	0.00124	9.89E-03	5.28E-05	2.01E-09	3.25E-05	3.43E-04	9.38E-05	2.09E-04	1.94E-04	1.04E-02
4497	474863.09	3858877.25	0.00176	0.00098	0.00073	0.00116	0.00115	0.00124	0.00101	0.00098	8.45E-03	4.17E-05	1.75E-09	2.81E-05	2.48E-04	8.02E-05	1.65E-04	1.54E-04	8.86E-03
4498	475363.09	3858877.25	0.00156	0.00092	0.00071	0.00108	0.00105	0.00119	0.00093	0.00092	7.49E-03	3.91E-05	1.70E-09	2.62E-05	2.26E-04	7.70E-05	1.52E-04	1.44E-04	7.86E-03
4499	475863.09	3858877.25	0.0017	0.00096	0.00075	0.00116	0.00113	0.00127	0.00097	0.00096	8.16E-03	4.08E-05	1.80E-09	2.81E-05	2.44E-04	8.22E-05	1.58E-04	1.50E-04	8.56E-03

4500	476363.09	3858877.25	0.00144	0.00087	0.00073	0.00106	0.00099	0.00119	0.00086	0.00087	6.91E-03	3.70E-05	1.75E-09	2.57E-05	2.14E-04	7.70E-05	1.40E-04	1.36E-04	7.27E-03
4501	476863.09	3858877.25	0.00161	0.00094	0.00079	0.00115	0.0011	0.0013	0.00093	0.00094	7.73E-03	4.00E-05	1.89E-09	2.79E-05	2.37E-04	8.41E-05	1.52E-04	1.47E-04	8.12E-03
4502	477363.09	3858877.25	0.00169	0.00096	0.00079	0.00121	0.00115	0.00136	0.00096	0.00096	8.11E-03	4.08E-05	1.89E-09	2.93E-05	2.48E-04	8.80E-05	1.57E-04	1.50E-04	8.52E-03
4503	477863.09	3858877.25	0.00192	0.00103	0.00084	0.00131	0.00133	0.00146	0.00103	0.00103	9.21E-03	4.38E-05	2.01E-09	3.17E-05	2.87E-04	9.45E-05	1.68E-04	1.61E-04	9.68E-03
4504	478363.09	3858877.25	0.00281	0.00125	0.00099	0.00167	0.0021	0.00179	0.00131	0.00125	1.35E-02	5.32E-05	2.37E-09	4.05E-05	4.53E-04	1.16E-04	2.14E-04	1.96E-04	1.42E-02
4505	478863.09	3858877.25	0.00269	0.00123	0.001	0.00163	0.00197	0.00178	0.00127	0.00123	1.29E-02	5.23E-05	2.40E-09	3.95E-05	4.25E-04	1.15E-04	2.07E-04	1.93E-04	1.36E-02
4506	479363.09	3858877.25	0.00245	0.00122	0.001	0.00158	0.00183	0.00174	0.00124	0.00122	1.18E-02	5.19E-05	2.40E-09	3.83E-05	3.95E-04	1.13E-04	2.02E-04	1.91E-04	1.24E-02
4507	479863.09	3858877.25	0.00384	0.00195	0.00154	0.00244	0.00423	0.00286	0.00193	0.00195	1.84E-02	8.30E-05	3.69E-09	5.91E-05	9.12E-04	1.85E-04	3.15E-04	3.05E-04	1.97E-02
4508	480363.09	3858877.25	0.00405	0.00212	0.00176	0.00266	0.00459	0.00321	0.00205	0.00212	1.94E-02	9.02E-05	4.22E-09	6.44E-05	9.90E-04	2.08E-04	3.35E-04	3.32E-04	2.08E-02
4509	480863.09	3858877.25	0.00431	0.00226	0.0022	0.00287	0.00489	0.0035	0.00216	0.00226	2.07E-02	9.62E-05	5.28E-09	6.95E-05	1.05E-03	2.26E-04	3.53E-04	3.54E-04	2.21E-02
4510	481363.09	3858877.25	0.00458	0.00239	0.00246	0.00306	0.0052	0.00381	0.00227	0.00239	2.20E-02	1.02E-04	5.90E-09	7.41E-05	1.12E-03	2.47E-04	3.71E-04	3.74E-04	2.35E-02
4511	481863.09	3858877.25	0.00485	0.00253	0.00243	0.00329	0.00554	0.00413	0.00241	0.00253	2.33E-02	1.08E-04	5.83E-09	7.97E-05	1.19E-03	2.67E-04	3.93E-04	3.96E-04	2.49E-02
4512	482363.09	3858877.25	0.00521	0.0027	0.00231	0.00352	0.00595	0.0045	0.00255	0.0027	2.50E-02	1.15E-04	5.54E-09	8.53E-05	1.28E-03	2.91E-04	4.16E-04	4.23E-04	2.68E-02
4513	482863.09	3858877.25	0.00553	0.00289	0.00316	0.00384	0.00653	0.00502	0.00272	0.00289	2.65E-02	1.23E-04	7.58E-09	9.30E-05	1.41E-03	3.25E-04	4.44E-04	4.53E-04	2.85E-02
4514	483363.09	3858877.25	0.00545	0.00338	0.00335	0.00411	0.00664	0.00624	0.00293	0.00338	2.62E-02	1.44E-04	8.03E-09	9.96E-05	1.43E-03	4.04E-04	4.78E-04	5.29E-04	2.82E-02
4515	483863.09	3858877.25	0.00588	0.00361	0.00313	0.00443	0.00717	0.00716	0.00307	0.00361	2.82E-02	1.54E-04	7.51E-09	1.07E-04	1.55E-03	4.63E-04	5.01E-04	5.66E-04	3.04E-02
4516	484363.09	3858877.25	0.0066	0.00388	0.00361	0.00486	0.00809	0.00843	0.00326	0.00388	3.17E-02	1.65E-04	8.66E-09	1.18E-04	1.74E-03	5.45E-04	5.32E-04	6.08E-04	3.42E-02
4517	484863.09	3858877.25	0.0079	0.00423	0.00391	0.00539	0.00927	0.01034	0.00349	0.00423	3.79E-02	1.80E-04	9.38E-09	1.31E-04	2.00E-03	6.69E-04	5.70E-04	6.63E-04	4.08E-02
4518	485363.09	3858877.25	0.01007	0.00478	0.00473	0.00602	0.01033	0.01345	0.00383	0.00478	4.83E-02	2.03E-04	1.13E-08	1.46E-04	2.23E-03	8.70E-04	6.25E-04	7.49E-04	5.16E-02
4519	485863.09	3858877.25	0.0139	0.00553	0.00548	0.00695	0.01097	0.01966	0.00431	0.00553	6.67E-02	2.35E-04	1.31E-08	1.68E-04	2.37E-03	1.27E-03	7.04E-04	8.66E-04	7.06E-02
4520	486363.09	3858877.25	0.02622	0.00649	0.00711	0.0082	0.01142	0.04518	0.00492	0.00649	1.26E-01	2.76E-04	1.71E-08	1.99E-04	2.46E-03	2.92E-03	8.03E-04	1.02E-03	1.31E-01
4521	486863.09	3858877.25	0.1005	0.0079	0.01061	0.01006	0.01081	0.0727	0.00585	0.0079	4.82E-01	3.36E-04	2.54E-08	2.44E-04	2.33E-03	4.70E-03	9.55E-04	1.24E-03	4.90E-01
4522	487363.09	3858877.25	0.12073	0.01037	0.00979	0.01303	0.0091	0.05664	0.00746	0.01037	5.79E-01	4.41E-04	2.35E-08	3.16E-04	1.96E-03	3.66E-03	1.22E-03	1.62E-03	5.85E-01
4523	487863.09	3858877.25	0.12953	0.01531	0.01155	0.01759	0.00683	0.18242	0.01046	0.01531	6.22E-01	6.51E-04	2.77E-08	4.26E-04	1.47E-03	1.18E-02	1.71E-03	2.40E-03	6.35E-01
4524	488363.09	3858877.25	0.13199	0.03441	0.01288	0.0283	0.00855	0.09777	0.02039	0.03441	6.33E-01	1.46E-03	3.09E-08	6.86E-04	1.84E-03	6.33E-03	3.33E-03	5.39E-03	6.42E-01
4525	488863.09	3858877.25	0.11552	0.23703	0.01694	0.07511	0.01538	0.07463	0.34546	0.23703	5.54E-01	1.01E-02	4.06E-08	1.82E-03	3.32E-03	4.83E-03	5.64E-02	3.71E-02	5.94E-01
4526	489363.09	3858877.25	0.05293	0.0545	0.0217	0.36113	0.01323	0.13986	0.05533	0.0545	2.54E-01	2.32E-03	5.20E-08	8.75E-03	2.85E-03	9.05E-03	9.03E-03	8.54E-03	2.77E-01
4527	489863.09	3858877.25	0.03834	0.03153	0.02244	0.10502	0.0133	0.06028	0.03009	0.03153	1.84E-01	1.34E-03	5.38E-08	2.54E-03	2.87E-03	3.90E-03	4.91E-03	4.94E-03	1.95E-01
4528	490363.09	3858877.25	0.03107	0.02191	0.02658	0.06559	0.01402	0.04114	0.02076	0.02191	1.49E-01	9.32E-04	6.37E-08	1.59E-03	3.02E-03	2.66E-03	3.39E-03	3.43E-03	1.57E-01
4529	490863.09	3858877.25	0.02726	0.01552	0.02592	0.04514	0.01379	0.02964	0.01478	0.01552	1.31E-01	6.60E-04	6.22E-08	1.09E-03	2.97E-03	1.92E-03	2.41E-03	2.43E-03	1.37E-01
4530	491363.09	3858877.25	0.02499	0.01107	0.02087	0.03001	0.0122	0.02147	0.01066	0.01107	1.20E-01	4.71E-04	5.01E-08	7.27E-04	2.63E-03	1.39E-03	1.74E-03	1.73E-03	1.25E-01
4531	491863.09	3858877.25	0.02116	0.0084	0.01511	0.02143	0.01037	0.01651	0.00814	0.0084	1.02E-01	3.57E-04	3.62E-08	5.19E-04	2.24E-03	1.07E-03	1.33E-03	1.32E-03	1.06E-01
4532	492363.09	3858877.25	0.01961	0.00822	0.01375	0.02128	0.01241	0.0166	0.00797	0.00822	9.41E-02	3.50E-04	3.30E-08	5.16E-04	2.68E-03	1.07E-03	1.30E-03	1.29E-03	9.87E-02
4533	492863.09	3858877.25	0.01781	0.00835	0.01365	0.02197	0.01351	0.0174	0.00809	0.00835	8.55E-02	3.55E-04	3.27E-08	5.32E-04	2.91E-03	1.13E-03	1.32E-03	1.31E-03	9.04E-02
4534	493363.09	3858877.25	0.01622	0.00736	0.01125	0.01872	0.01258	0.01632	0.0072	0.00736	7.78E-02	3.13E-04	2.70E-08	4.54E-04	2.71E-03	1.06E-03	1.18E-03	1.15E-03	8.24E-02
4535	493863.09	3858877.25	0.01438	0.00627	0.00899	0.01502	0.01055	0.0157	0.00619	0.00627	6.90E-02	2.67E-04	2.16E-08	3.64E-04	2.28E-03	1.02E-03	1.01E-03	9.82E-04	7.30E-02
4536	494363.09	3858877.25	0.01307	0.00572	0.00772	0.0134	0.00981	0.01813	0.00567	0.00572	6.27E-02	2.43E-04	1.85E-08	3.25E-04	2.12E-03	1.17E-03	9.26E-04	8.96E-04	6.66E-02
4537	494863.09	3858877.25	0.01171	0.0052	0.00685	0.0118	0.00896	0.02376	0.00517	0.0052	5.62E-02	2.21E-04	1.64E-08	2.86E-04	1.93E-03	1.54E-03	8.44E-04	8.15E-04	6.02E-02
4538	495363.09	3858877.25	0.01046	0.00478	0.00602	0.01046	0.00821	0.03185	0.00475	0.00478	5.02E-02	2.03E-04	1.44E-08	2.53E-04	1.77E-03	2.06E-03	7.75E-04	7.49E-04	5.45E-02
4539	495863.09	3858877.25	0.00964	0.00452	0.00549	0.00961	0.00782	0.11444	0.00451	0.00452	4.63E-02	1.92E-04	1.32E-08	2.33E-04	1.69E-03	7.40E-03	7.36E-04	7.08E-04	5.58E-02
4540	496363.09	3858877.25	0.00913	0.00438	0.00514	0.00909	0.00761	0.05877	0.00438	0.00438	4.38E-02	1.86E-04	1.23E-08	2.20E-04	1.64E-03	3.80E-03	7.15E-04	6.86E-04	4.97E-02
4541	496863.09	3858877.25	0.00869	0.00427	0.00485	0.00866	0.00736	0.03171	0.00427	0.00427	4.17E-02	1.82E-04	1.16E-08	2.10E-04	1.59E-03	2.05E-03	6.97E-04	6.69E-04	4.58E-02
4542	497363.09	3858877.25	0.00826	0.00417	0.00459	0.00824	0.00709	0.02273	0.00418	0.00417	3.96E-02	1.77E-04	1.10E-08	2.00E-04	1.53E-03	1.47E-03	6.82E-04	6.53E-04	4.30E-02
4543	497863.09	3858877.25	0.00828	0.00436	0.00468	0.00854	0.00749	0.01877	0.00437	0.00436	3.97E-02	1.86E-04	1.12E-08	2.07E-04	1.62E-03	1.21E-03	7.13E-04	6.83E-04	4.30E-02
4544	498363.09	3858877.25	0.00806	0.00458	0.00478	0.00884	0.00775	0.01639	0.00458	0.00458	3.87E-02	1.95E-04	1.15E-08	2.14E-04	1.67E-03	1.06E-03	7.48E-04	7.17E-04	4.19E-02
4545	471363.09	3859377.25	0.00158	0.00113	0.00072	0.00109	0.00126	0.00122	0.00114	0.00113	7.58E-03	4.81E-05	1.73E-09	2.64E-05	2.72E-04	7.89E-05	1.86E-04	1.77E-04	8.02E-03
4546	471863.09	3859377.25	0.00164	0.00116	0.00076	0.00113	0.00132	0.00126	0.00117	0.00116	7.87E-03	4.94E-05	1.82E-09	2.74E-05	2.85E-04	8.15E-05	1.91E-04	1.82E-04	8.32E-03
4547	472363.09	3859377.25	0.00171	0.00119	0.0008	0.00118	0.00141	0.00132	0.0012	0.00119	8.21E-03	5.06E-05	1.92E-09	2.86E-05	3.04E-04	8.54E-05	1.96E-04	1.86E-04	8.68E-03
4548	472863.09	3859377.25	0.00177	0.00123	0.00084	0.00123	0.00151	0.00137	0.00123	0.00123	8.49E-03	5.23E-05	2.01E-09	2.98E-05	3.26E-04	8.86E-05	2.01E-04	1.93E-04	9.00E-03
4549	473363.09	3859377.25	0.00184	0.00127	0.00086	0.00128	0.00163	0.00144	0.00126	0.00127	8.83E-03	5.40E-05	2.06E-09	3.10E-05	3.52E-04	9.32E-05	2.06E-04	1.99E-04	9.37E-03
4550	473863.09	3859377.25	0.00193	0.00129	0.00087	0.00133	0.00175	0.00149	0.00128	0.00129	9.26E-03	5.49E-05	2.09E-09	3.22E-05	3.77E-04	9.64E-05	2.09E-04	2.02E-04	9.83E-03
4551	474363.09	3859377.25	0.00199	0.00122	0.00082	0.00134	0.00178	0.00145	0.00124	0.00122	9.55E-03	5.19E-05	1.97E-09	3.25E-05	3.84E-04	9.38E-05	2.02E-04	1.91E-04	1.01E-02
4552	474863.09	3859377.25	0.00197	0.00109	0.0008	0.00127	0.0016	0.00136	0.00113	0.00109	9.45E-03	4.64E-05	1.92E-09	3.08E-05	3.45E-04	8.80E-05	1.84E-04	1.71E-04	9.98E-03
4553	475363.09	3859377.25	0.00176	0.00096	0.00078	0.00116	0.00132	0.00124	0.00099	0.00096	8.45E-03	4.08E-05	1.87E-09	2.81E-05	2.85E-04	8.02E-05	1.62E-04	1.50E-04	8.89E-03
4554	475863.09	3859377.25	0.00147	0.00087	0.0007	0.00105	0.00105	0.00116	0.00088	0.00087	7.05E-03	3.70E-05	1.68E-09	2.54E-05	2.26E-04	7.51E-05	1.44E-04	1.36E-04	7.43E-03
4555	476363.09	3859377.25	0.00143	0.00086	0.00068	0.00105	0.00105	0.00117	0.00086	0.00086	6.86E-03	3.66E-05	1.63E-09	2.54E-05	2.26E-04	7.57E-05	1.40E-04	1.35E-04	7.23E-03
4556	476863.09	3859377.25	0.00133	0.00083	0.00065	0.00102	0.001	0.00115	0.00082	0.00083	6.38E-03	3.53E-05	1.56E-09	2.47E-05	2.16E-04	7.44E-05	1.34E-04	1.30E-04	6.74E-03

4557	477363.09	3859377.25	0.00142	0.00086	0.00067	0.00108	0.00109	0.00121	0.00086	0.00086	6.81E-03	3.66E-05	1.61E-09	2.62E-05	2.35E-04	7.83E-05	1.40E-04	1.35E-04	7.20E-03
4558	477863.09	3859377.25	0.00195	0.001	0.00078	0.00131	0.00147	0.00141	0.00102	0.001	9.36E-03	4.25E-05	1.87E-09	3.17E-05	3.17E-04	9.12E-05	1.66E-04	1.57E-04	9.85E-03
4559	478363.09	3859377.25	0.00254	0.00114	0.00092	0.00157	0.00205	0.00164	0.00119	0.00114	1.22E-02	4.85E-05	2.21E-09	3.80E-05	4.42E-04	1.06E-04	1.94E-04	1.79E-04	1.28E-02
4560	478863.09	3859377.25	0.00305	0.00134	0.00104	0.00188	0.00282	0.00194	0.00141	0.00134	1.46E-02	5.70E-05	2.49E-09	4.55E-05	6.08E-04	1.26E-04	2.30E-04	2.10E-04	1.55E-02
4561	479363.09	3859377.25	0.00334	0.00156	0.00119	0.00213	0.0033	0.00227	0.0016	0.00156	1.60E-02	6.64E-05	2.85E-09	5.16E-05	7.12E-04	1.47E-04	2.61E-04	2.44E-04	1.70E-02
4562	479863.09	3859377.25	0.00355	0.00176	0.00137	0.00237	0.00356	0.00264	0.00175	0.00176	1.70E-02	7.49E-05	3.29E-09	5.74E-05	7.68E-04	1.71E-04	2.86E-04	2.76E-04	1.81E-02
4563	480363.09	3859377.25	0.00369	0.00195	0.00187	0.00259	0.00378	0.00303	0.00189	0.00195	1.77E-02	8.30E-05	4.48E-09	6.27E-05	8.15E-04	1.96E-04	3.09E-04	3.05E-04	1.89E-02
4564	480863.09	3859377.25	0.00384	0.0021	0.00214	0.00277	0.0041	0.00334	0.002	0.0021	1.84E-02	8.94E-05	5.13E-09	6.71E-05	8.84E-04	2.16E-04	3.26E-04	3.29E-04	1.97E-02
4565	481363.09	3859377.25	0.00401	0.00222	0.00206	0.00295	0.00439	0.00365	0.0021	0.00222	1.92E-02	9.45E-05	4.94E-09	7.15E-05	9.47E-04	2.36E-04	3.43E-04	3.48E-04	2.06E-02
4566	481863.09	3859377.25	0.00421	0.00234	0.00201	0.00315	0.00474	0.00393	0.0022	0.00234	2.02E-02	9.96E-05	4.82E-09	7.63E-05	1.02E-03	2.54E-04	3.59E-04	3.67E-04	2.16E-02
4567	482363.09	3859377.25	0.00451	0.00248	0.00219	0.00336	0.00517	0.00429	0.00232	0.00248	2.16E-02	1.06E-04	5.25E-09	8.14E-05	1.12E-03	2.78E-04	3.79E-04	3.88E-04	2.32E-02
4568	482863.09	3859377.25	0.00474	0.00264	0.00267	0.00366	0.00559	0.00479	0.00245	0.00264	2.27E-02	1.12E-04	6.40E-09	8.87E-05	1.21E-03	3.10E-04	4.00E-04	4.14E-04	2.44E-02
4569	483363.09	3859377.25	0.00487	0.00293	0.00268	0.00398	0.00596	0.00556	0.00262	0.00293	2.34E-02	1.25E-04	6.43E-09	9.64E-05	1.29E-03	3.60E-04	4.28E-04	4.59E-04	2.52E-02
4570	483863.09	3859377.25	0.00508	0.00317	0.00272	0.00423	0.00624	0.00638	0.00278	0.00317	2.44E-02	1.35E-04	6.52E-09	1.02E-04	1.35E-03	4.13E-04	4.54E-04	4.97E-04	2.63E-02
4571	484363.09	3859377.25	0.00563	0.00343	0.00314	0.00463	0.0069	0.00732	0.003	0.00343	2.70E-02	1.46E-04	7.53E-09	1.12E-04	1.49E-03	4.74E-04	4.90E-04	5.37E-04	2.92E-02
4572	484863.09	3859377.25	0.0065	0.00373	0.00298	0.00512	0.00745	0.00861	0.00324	0.00373	3.12E-02	1.59E-04	7.15E-09	1.24E-04	1.61E-03	5.57E-04	5.29E-04	5.84E-04	3.36E-02
4573	485363.09	3859377.25	0.00798	0.00411	0.00332	0.00567	0.00748	0.01063	0.00354	0.00411	3.83E-02	1.75E-04	7.96E-09	1.37E-04	1.61E-03	6.88E-04	5.78E-04	6.44E-04	4.08E-02
4574	485863.09	3859377.25	0.01031	0.00457	0.00415	0.00634	0.00744	0.01406	0.00388	0.00457	4.95E-02	1.94E-04	9.95E-09	1.54E-04	1.60E-03	9.10E-04	6.33E-04	7.16E-04	5.23E-02
4575	486363.09	3859377.25	0.01477	0.00509	0.00521	0.00722	0.00746	0.02247	0.00428	0.00509	7.09E-02	2.17E-04	1.25E-08	1.75E-04	1.61E-03	1.45E-03	6.99E-04	7.97E-04	7.42E-02
4576	486863.09	3859377.25	0.03877	0.00576	0.00534	0.00841	0.00677	0.10397	0.0048	0.00576	1.86E-01	2.45E-04	1.28E-08	2.04E-04	1.46E-03	6.73E-03	7.83E-04	9.02E-04	1.95E-01
4577	487363.09	3859377.25	0.10079	0.0067	0.00536	0.01023	0.00505	0.12464	0.00563	0.0067	4.84E-01	2.85E-04	1.29E-08	2.48E-04	1.09E-03	8.06E-03	9.19E-04	1.05E-03	4.93E-01
4578	487863.09	3859377.25	0.11674	0.00821	0.00626	0.01334	0.00456	0.08127	0.00702	0.00821	5.60E-01	3.49E-04	1.50E-08	3.23E-04	9.83E-04	5.26E-03	1.15E-03	1.29E-03	5.67E-01
4579	488363.09	3859377.25	0.12303	0.01089	0.0085	0.019	0.00426	0.27082	0.00948	0.01089	5.90E-01	4.63E-04	2.04E-08	4.60E-04	9.19E-04	1.75E-02	1.55E-03	1.71E-03	6.10E-01
4580	488863.09	3859377.25	0.08733	0.01701	0.01486	0.03514	0.00822	0.05914	0.0154	0.01701	4.19E-01	7.24E-04	3.56E-08	8.51E-04	1.77E-03	3.83E-03	2.51E-03	2.66E-03	4.26E-01
4581	489363.09	3859377.25	0.04897	0.0459	0.06734	0.13956	0.01011	0.04979	0.0433	0.0459	2.35E-01	1.95E-03	1.62E-07	3.38E-03	2.18E-03	3.22E-03	7.07E-03	7.19E-03	2.46E-01
4582	489863.09	3859377.25	0.08365	0.14876	1.92785	0.44401	0.00808	0.34652	0.15125	0.14876	4.01E-01	6.33E-03	4.62E-06	1.08E-02	1.74E-03	2.24E-02	2.47E-02	2.33E-02	4.44E-01
4583	490363.09	3859377.25	0.03895	0.04757	0.2085	0.13452	0.0082	0.08061	0.04692	0.04757	1.87E-01	2.02E-03	5.00E-07	3.26E-03	1.77E-03	5.22E-03	7.66E-03	7.45E-03	1.99E-01
4584	490863.09	3859377.25	0.02971	0.02607	0.07031	0.06195	0.009	0.0418	0.02551	0.02607	1.43E-01	1.11E-03	1.69E-07	1.50E-03	1.94E-03	2.70E-03	4.16E-03	4.08E-03	1.50E-01
4585	491363.09	3859377.25	0.02608	0.01545	0.02964	0.03454	0.00848	0.02585	0.01521	0.01545	1.25E-01	6.57E-04	7.11E-08	8.37E-04	1.83E-03	1.67E-03	2.48E-03	2.42E-03	1.30E-01
4586	491863.09	3859377.25	0.02132	0.01455	0.02387	0.03252	0.00798	0.02551	0.01423	0.01455	1.02E-01	6.19E-04	5.72E-08	7.88E-04	1.72E-03	1.65E-03	2.32E-03	2.28E-03	1.07E-01
4587	492363.09	3859377.25	0.01876	0.0124	0.01796	0.02777	0.00782	0.02305	0.0121	0.0124	9.00E-02	5.28E-04	4.31E-08	6.73E-04	1.69E-03	1.49E-03	1.98E-03	1.94E-03	9.44E-02
4588	492863.09	3859377.25	0.01668	0.01109	0.01463	0.02452	0.00854	0.02208	0.01079	0.01109	8.00E-02	4.72E-04	3.51E-08	5.94E-04	1.84E-03	1.43E-03	1.76E-03	1.74E-03	8.44E-02
4589	493363.09	3859377.25	0.01528	0.00932	0.01154	0.02013	0.00891	0.02073	0.00907	0.00932	7.33E-02	3.97E-04	2.77E-08	4.88E-04	1.92E-03	1.34E-03	1.48E-03	1.46E-03	7.75E-02
4590	493863.09	3859377.25	0.01388	0.00844	0.00986	0.01779	0.009	0.02329	0.00822	0.00844	6.66E-02	3.59E-04	2.36E-08	4.31E-04	1.94E-03	1.51E-03	1.34E-03	1.32E-03	7.09E-02
4591	494363.09	3859377.25	0.01276	0.00754	0.00845	0.0154	0.00873	0.03694	0.00738	0.00754	6.12E-02	3.21E-04	2.03E-08	3.73E-04	1.88E-03	2.39E-03	1.20E-03	1.18E-03	6.62E-02
4592	494863.09	3859377.25	0.01162	0.00645	0.00686	0.01267	0.00794	0.39134	0.00637	0.00645	5.58E-02	2.74E-04	1.65E-08	3.07E-04	1.71E-03	2.53E-02	1.04E-03	1.01E-03	8.34E-02
4593	495363.09	3859377.25	0.01071	0.00599	0.00617	0.01159	0.00777	0.05622	0.00594	0.00599	5.14E-02	2.55E-04	1.48E-08	2.81E-04	1.68E-03	3.64E-03	9.70E-04	9.38E-04	5.73E-02
4594	495863.09	3859377.25	0.00986	0.0055	0.00549	0.01042	0.00738	0.0381	0.00547	0.0055	4.73E-02	2.34E-04	1.32E-08	2.52E-04	1.59E-03	2.47E-03	8.93E-04	8.62E-04	5.19E-02
4595	496363.09	3859377.25	0.00923	0.0053	0.00515	0.00986	0.00738	0.02855	0.00527	0.0053	4.43E-02	2.26E-04	1.24E-08	2.39E-04	1.59E-03	1.85E-03	8.60E-04	8.30E-04	4.82E-02
4596	496863.09	3859377.25	0.00849	0.00488	0.00457	0.00874	0.00683	0.02174	0.00486	0.00488	4.07E-02	2.08E-04	1.10E-08	2.12E-04	1.47E-03	1.41E-03	7.93E-04	7.64E-04	4.41E-02
4597	497363.09	3859377.25	0.00811	0.00488	0.00447	0.00861	0.00705	0.01829	0.00486	0.00488	3.89E-02	2.08E-04	1.07E-08	2.09E-04	1.52E-03	1.18E-03	7.93E-04	7.64E-04	4.21E-02
4598	497863.09	3859377.25	0.00778	0.00507	0.00456	0.00885	0.00734	0.01645	0.00503	0.00507	3.73E-02	2.16E-04	1.09E-08	2.14E-04	1.58E-03	1.06E-03	8.21E-04	7.94E-04	4.04E-02
4599	498363.09	3859377.25	0.00741	0.00525	0.00461	0.00886	0.00731	0.01504	0.00518	0.00525	3.56E-02	2.23E-04	1.11E-08	2.15E-04	1.58E-03	9.73E-04	8.46E-04	8.22E-04	3.86E-02
4600	471363.09	3859877.25	0.00154	0.00111	0.00074	0.0011	0.00143	0.00122	0.00111	0.00111	7.39E-03	4.72E-05	1.77E-09	2.66E-05	3.08E-04	7.89E-05	1.81E-04	1.74E-04	7.86E-03
4601	471863.09	3859877.25	0.0016	0.00114	0.00076	0.00114	0.00154	0.00126	0.00114	0.00114	7.68E-03	4.85E-05	1.82E-09	2.76E-05	3.32E-04	8.15E-05	1.86E-04	1.79E-04	8.18E-03
4602	472363.09	3859877.25	0.00166	0.00116	0.00078	0.00118	0.00165	0.0013	0.00116	0.00116	7.97E-03	4.94E-05	1.87E-09	2.86E-05	3.56E-04	8.41E-05	1.89E-04	1.82E-04	8.49E-03
4603	472863.09	3859877.25	0.00171	0.0012	0.00081	0.00123	0.00177	0.00137	0.00119	0.0012	8.21E-03	5.11E-05	1.94E-09	2.98E-05	3.82E-04	8.86E-05	1.94E-04	1.88E-04	8.76E-03
4604	473363.09	3859877.25	0.00177	0.00123	0.00085	0.00128	0.00189	0.00144	0.00122	0.00123	8.49E-03	5.23E-05	2.04E-09	3.10E-05	4.08E-04	9.32E-05	1.99E-04	1.93E-04	9.08E-03
4605	473863.09	3859877.25	0.00185	0.00126	0.00089	0.00134	0.002	0.0015	0.00125	0.00126	8.88E-03	5.36E-05	2.13E-09	3.25E-05	4.31E-04	9.71E-05	2.04E-04	1.97E-04	9.50E-03
4606	474363.09	3859877.25	0.00195	0.00121	0.00086	0.00136	0.00207	0.00148	0.00123	0.00121	9.36E-03	5.15E-05	2.06E-09	3.29E-05	4.46E-04	9.58E-05	2.01E-04	1.90E-04	1.00E-02
4607	474863.09	3859877.25	0.00198	0.00113	0.00082	0.00135	0.00198	0.00142	0.00117	0.00113	9.50E-03	4.81E-05	1.97E-09	3.27E-05	4.27E-04	9.19E-05	1.91E-04	1.77E-04	1.01E-02
4608	475363.09	3859877.25	0.00184	0.00098	0.00073	0.0012	0.00154	0.00127	0.00101	0.00098	8.83E-03	4.17E-05	1.75E-09	2.91E-05	3.32E-04	8.22E-05	1.65E-04	1.54E-04	9.33E-03
4609	475863.09	3859877.25	0.0014	0.00084	0.00062	0.00101	0.0011	0.00112	0.00085	0.00084	6.72E-03	3.57E-05	1.49E-09	2.45E-05	2.37E-04	7.25E-05	1.39E-04	1.32E-04	7.10E-03
4610	476363.09	3859877.25	0.00115	0.00075	0.00056	0.00091	0.00101	0.00103	0.00075	0.00075	5.52E-03	3.19E-05	1.34E-09	2.20E-05	2.18E-04	6.66E-05	1.22E-04	1.17E-04	5.86E-03
4611	476863.09	3859877.25	0.00123	0.00079	0.0006	0.00097	0.0011	0.0011	0.00079	0.00079	5.90E-03	3.36E-05	1.44E-09	2.35E-05	2.37E-04	7.12E-05	1.29E-04	1.24E-04	6.27E-03
4612	477363.09	3859877.25	0.00129	0.00082	0.00063	0.00102	0.00118	0.00115	0.00082	0.00082	6.19E-03	3.49E-05	1.51E-09	2.47E-05	2.54E-04	7.44E-05	1.34E-04	1.28E-04	6.58E-03
4613	477863.09	3859877.25	0.00177	0.00094	0.00072	0.00122	0.00143	0.00133	0.00096	0.00094	8.49E-03	4.00E-05	1.73E-09	2.96E-05	3.08E-04	8.61E-05	1.57E-04	1.47E-04	8.97E-03

4614	478363.09	3859877.25	0.00241	0.00109	0.00083	0.00151	0.00187	0.00159	0.00114	0.00109	1.16E-02	4.64E-05	1.99E-09	3.66E-05	4.03E-04	1.03E-04	1.86E-04	1.71E-04	1.22E-02
4615	478863.09	3859877.25	0.00285	0.00129	0.00093	0.00178	0.00239	0.00189	0.00135	0.00129	1.37E-02	5.49E-05	2.23E-09	4.31E-05	5.15E-04	1.22E-04	2.20E-04	2.02E-04	1.44E-02
4616	479363.09	3859877.25	0.00313	0.00153	0.0011	0.00206	0.00273	0.00228	0.00155	0.00153	1.50E-02	6.51E-05	2.64E-09	4.99E-05	5.89E-04	1.48E-04	2.53E-04	2.40E-04	1.59E-02
4617	479863.09	3859877.25	0.00325	0.00172	0.00145	0.00231	0.00303	0.00264	0.00169	0.00172	1.56E-02	7.32E-05	3.48E-09	5.60E-05	6.53E-04	1.71E-04	2.76E-04	2.69E-04	1.66E-02
4618	480363.09	3859877.25	0.00334	0.00188	0.00179	0.00252	0.00343	0.00295	0.00181	0.00188	1.60E-02	8.00E-05	4.29E-09	6.11E-05	7.40E-04	1.91E-04	2.95E-04	2.95E-04	1.71E-02
4619	480863.09	3859877.25	0.00345	0.002	0.00184	0.00271	0.00373	0.00321	0.0019	0.002	1.66E-02	8.51E-05	4.41E-09	6.57E-05	8.04E-04	2.08E-04	3.10E-04	3.13E-04	1.77E-02
4620	481363.09	3859877.25	0.00357	0.0021	0.00176	0.0029	0.00402	0.00345	0.00198	0.0021	1.71E-02	8.94E-05	4.22E-09	7.03E-05	8.67E-04	2.23E-04	3.23E-04	3.29E-04	1.84E-02
4621	481863.09	3859877.25	0.00374	0.0022	0.00197	0.00309	0.0043	0.0037	0.00207	0.0022	1.79E-02	9.36E-05	4.72E-09	7.49E-05	9.27E-04	2.39E-04	3.38E-04	3.45E-04	1.93E-02
4622	482363.09	3859877.25	0.00395	0.00232	0.00233	0.00329	0.00459	0.00403	0.00217	0.00232	1.90E-02	9.87E-05	5.59E-09	7.97E-05	9.90E-04	2.61E-04	3.54E-04	3.63E-04	2.04E-02
4623	482863.09	3859877.25	0.00414	0.00243	0.00258	0.00354	0.00493	0.00438	0.00226	0.00243	1.99E-02	1.03E-04	6.19E-09	8.58E-05	1.06E-03	2.83E-04	3.69E-04	3.81E-04	2.14E-02
4624	483363.09	3859877.25	0.00433	0.00257	0.00245	0.0038	0.00534	0.00488	0.00238	0.00257	2.08E-02	1.09E-04	5.88E-09	9.21E-05	1.15E-03	3.16E-04	3.88E-04	4.03E-04	2.24E-02
4625	483863.09	3859877.25	0.0044	0.00279	0.00242	0.00403	0.00548	0.0057	0.00251	0.00279	2.11E-02	1.19E-04	5.80E-09	9.76E-05	1.18E-03	3.69E-04	4.10E-04	4.37E-04	2.29E-02
4626	484363.09	3859877.25	0.00477	0.00296	0.00263	0.0043	0.00568	0.00641	0.00265	0.00296	2.29E-02	1.26E-04	6.31E-09	1.04E-04	1.23E-03	4.15E-04	4.33E-04	4.64E-04	2.47E-02
4627	484863.09	3859877.25	0.00533	0.00315	0.0028	0.00465	0.00553	0.00735	0.00283	0.00315	2.56E-02	1.34E-04	6.72E-09	1.13E-04	1.19E-03	4.76E-04	4.62E-04	4.93E-04	2.75E-02
4628	485363.09	3859877.25	0.00623	0.00342	0.00323	0.00506	0.00528	0.00869	0.00307	0.00342	2.99E-02	1.46E-04	7.75E-09	1.23E-04	1.14E-03	5.62E-04	5.01E-04	5.36E-04	3.18E-02
4629	485863.09	3859877.25	0.00758	0.00379	0.00357	0.0056	0.00542	0.01047	0.00338	0.00379	3.64E-02	1.61E-04	8.56E-09	1.36E-04	1.17E-03	6.77E-04	5.52E-04	5.94E-04	3.85E-02
4630	486363.09	3859877.25	0.00945	0.00423	0.00459	0.00635	0.00541	0.01322	0.00377	0.00423	4.53E-02	1.80E-04	1.10E-08	1.54E-04	1.17E-03	8.55E-04	6.15E-04	6.63E-04	4.77E-02
4631	486863.09	3859877.25	0.01257	0.00475	0.00427	0.00738	0.00433	0.01838	0.00424	0.00475	6.03E-02	2.02E-04	1.02E-08	1.79E-04	9.34E-04	1.19E-03	6.92E-04	7.44E-04	6.28E-02
4632	487363.09	3859877.25	0.02246	0.00531	0.00464	0.00876	0.00356	0.03538	0.00476	0.00531	1.08E-01	2.26E-04	1.11E-08	2.12E-04	7.68E-04	2.29E-03	7.77E-04	8.32E-04	1.11E-01
4633	487863.09	3859877.25	0.09457	0.00604	0.00502	0.01092	0.00338	0.07894	0.0055	0.00604	4.54E-01	2.57E-04	1.20E-08	2.65E-04	7.29E-04	5.11E-03	8.98E-04	9.46E-04	4.60E-01
4634	488363.09	3859877.25	0.09876	0.00691	0.00703	0.01464	0.00277	0.22583	0.00641	0.00691	4.74E-01	2.94E-04	1.69E-08	3.55E-04	5.97E-04	1.46E-02	1.05E-03	1.08E-03	4.90E-01
4635	488863.09	3859877.25	0.05428	0.00857	0.00931	0.02669	0.0041	0.05216	0.00808	0.00857	2.60E-01	3.65E-04	2.23E-08	6.47E-04	8.84E-04	3.37E-03	1.32E-03	1.34E-03	2.66E-01
4636	489363.09	3859877.25	0.04284	0.01155	0.01573	0.11548	0.00747	0.03565	0.01116	0.01155	2.06E-01	4.91E-04	3.77E-08	2.80E-03	1.61E-03	2.31E-03	1.82E-03	1.81E-03	2.13E-01
4637	489863.09	3859877.25	0.03179	0.01818	0.0182	0.04587	0.00681	0.03254	0.01777	0.01818	1.53E-01	7.74E-04	4.36E-08	1.11E-03	1.47E-03	2.11E-03	2.90E-03	2.85E-03	1.58E-01
4638	490363.09	3859877.25	0.02736	0.04087	0.01878	0.05305	0.00541	0.04015	0.04017	0.04087	1.31E-01	1.74E-03	4.50E-08	1.29E-03	1.17E-03	2.60E-03	6.56E-03	6.40E-03	1.38E-01
4639	490863.09	3859877.25	0.06404	0.31015	0.02095	0.32513	0.00561	0.33932	0.34177	0.31015	3.07E-01	1.32E-02	5.02E-08	7.88E-03	1.21E-03	2.20E-02	5.58E-02	4.86E-02	3.59E-01
4640	491363.09	3859877.25	0.03654	0.06003	0.01912	0.26196	0.00585	0.12808	0.05988	0.06003	1.75E-01	2.55E-03	4.59E-08	6.35E-03	1.26E-03	8.29E-03	9.77E-03	9.40E-03	1.94E-01
4641	491863.09	3859877.25	0.02232	0.03041	0.01599	0.08937	0.0063	0.06243	0.03018	0.03041	1.07E-01	1.29E-03	3.83E-08	2.17E-03	1.36E-03	4.04E-03	4.93E-03	4.76E-03	1.16E-01
4642	492363.09	3859877.25	0.01758	0.02064	0.01316	0.04711	0.00612	0.04503	0.02043	0.02064	8.44E-02	8.78E-04	3.16E-08	1.14E-03	1.32E-03	2.91E-03	3.33E-03	3.23E-03	9.07E-02
4643	492863.09	3859877.25	0.01499	0.01515	0.01061	0.02929	0.00569	0.03638	0.01496	0.01515	7.19E-02	6.45E-04	2.54E-08	7.10E-04	1.23E-03	2.35E-03	2.44E-03	2.37E-03	7.69E-02
4644	493363.09	3859877.25	0.01312	0.01249	0.00903	0.02196	0.00561	0.03455	0.01229	0.01249	6.30E-02	5.31E-04	2.17E-08	5.32E-04	1.21E-03	2.24E-03	2.01E-03	1.96E-03	6.75E-02
4645	493863.09	3859877.25	0.01177	0.01074	0.0079	0.01786	0.00594	0.0375	0.01052	0.01074	5.65E-02	4.57E-04	1.89E-08	4.33E-04	1.28E-03	2.43E-03	1.72E-03	1.68E-03	6.11E-02
4646	494363.09	3859877.25	0.01082	0.00925	0.00692	0.01491	0.00628	0.09195	0.00905	0.00925	5.19E-02	3.94E-04	1.66E-08	3.61E-04	1.35E-03	5.95E-03	1.48E-03	1.45E-03	6.00E-02
4647	494863.09	3859877.25	0.00994	0.00845	0.00636	0.01326	0.00648	0.06024	0.00826	0.00845	4.77E-02	3.60E-04	1.53E-08	3.21E-04	1.40E-03	3.90E-03	1.35E-03	1.32E-03	5.37E-02
4648	495363.09	3859877.25	0.00927	0.00764	0.00578	0.01179	0.00646	0.03612	0.00748	0.00764	4.45E-02	3.25E-04	1.39E-08	2.86E-04	1.39E-03	2.34E-03	1.22E-03	1.20E-03	4.89E-02
4649	495863.09	3859877.25	0.00871	0.00694	0.00524	0.01057	0.00636	0.02639	0.00681	0.00694	4.18E-02	2.95E-04	1.26E-08	2.56E-04	1.37E-03	1.71E-03	1.11E-03	1.09E-03	4.55E-02
4650	496363.09	3859877.25	0.00818	0.00613	0.00458	0.0092	0.00607	0.01994	0.00606	0.00613	3.93E-02	2.61E-04	1.10E-08	2.23E-04	1.31E-03	1.29E-03	9.89E-04	9.60E-04	4.24E-02
4651	496863.09	3859877.25	0.00726	0.00508	0.00363	0.00727	0.00491	0.01446	0.00506	0.00508	3.48E-02	2.16E-04	8.71E-09	1.76E-04	1.06E-03	9.36E-04	8.26E-04	7.96E-04	3.73E-02
4652	497363.09	3859877.25	0.00721	0.00539	0.00392	0.00793	0.00581	0.01434	0.00536	0.00539	3.46E-02	2.29E-04	9.40E-09	1.92E-04	1.25E-03	9.28E-04	8.75E-04	8.44E-04	3.72E-02
4653	497863.09	3859877.25	0.00689	0.00584	0.00423	0.00842	0.00619	0.0139	0.00576	0.00584	3.31E-02	2.48E-04	1.01E-08	2.04E-04	1.34E-03	8.99E-04	9.40E-04	9.15E-04	3.58E-02
4654	498363.09	3859877.25	0.00644	0.00607	0.00425	0.00831	0.00622	0.01286	0.00597	0.00607	3.09E-02	2.58E-04	1.02E-08	2.01E-04	1.34E-03	8.32E-04	9.74E-04	9.51E-04	3.36E-02
4655	471363.09	3860377.25	0.00149	0.00109	0.00074	0.00109	0.00162	0.00121	0.00108	0.00109	7.15E-03	4.64E-05	1.77E-09	2.64E-05	3.49E-04	7.83E-05	1.76E-04	1.71E-04	7.66E-03
4656	471863.09	3860377.25	0.00155	0.00111	0.00076	0.00113	0.00169	0.00126	0.0011	0.00111	7.44E-03	4.72E-05	1.82E-09	2.74E-05	3.64E-04	8.15E-05	1.80E-04	1.74E-04	7.96E-03
4657	472363.09	3860377.25	0.0016	0.00114	0.0008	0.00117	0.00176	0.00132	0.00113	0.00114	7.68E-03	4.85E-05	1.92E-09	2.83E-05	3.80E-04	8.54E-05	1.84E-04	1.79E-04	8.23E-03
4658	472863.09	3860377.25	0.00165	0.00117	0.00086	0.00122	0.00183	0.00139	0.00116	0.00117	7.92E-03	4.98E-05	2.06E-09	2.96E-05	3.95E-04	8.99E-05	1.89E-04	1.83E-04	8.49E-03
4659	473363.09	3860377.25	0.00171	0.0012	0.00091	0.00127	0.00191	0.00146	0.00119	0.0012	8.21E-03	5.11E-05	2.18E-09	3.08E-05	4.12E-04	9.45E-05	1.94E-04	1.88E-04	8.80E-03
4660	473863.09	3860377.25	0.00178	0.00122	0.00095	0.00132	0.00198	0.00152	0.00121	0.00122	8.54E-03	5.19E-05	2.28E-09	3.20E-05	4.27E-04	9.83E-05	1.98E-04	1.91E-04	9.16E-03
4661	474363.09	3860377.25	0.00188	0.00122	0.00094	0.00136	0.00204	0.00155	0.00122	0.00122	9.02E-03	5.19E-05	2.25E-09	3.29E-05	4.40E-04	1.00E-04	1.99E-04	1.91E-04	9.66E-03
4662	474863.09	3860377.25	0.00198	0.0012	0.00087	0.00138	0.00206	0.00154	0.00121	0.0012	9.50E-03	5.11E-05	2.09E-09	3.34E-05	4.44E-04	9.96E-05	1.98E-04	1.88E-04	1.01E-02
4663	475363.09	3860377.25	0.00203	0.00113	0.00078	0.00136	0.002	0.00148	0.00116	0.00113	9.74E-03	4.81E-05	1.87E-09	3.29E-05	4.31E-04	9.58E-05	1.89E-04	1.77E-04	1.04E-02
4664	475863.09	3860377.25	0.00205	0.00107	0.00074	0.00133	0.00188	0.00142	0.0011	0.00107	9.84E-03	4.55E-05	1.77E-09	3.22E-05	4.05E-04	9.19E-05	1.80E-04	1.68E-04	1.04E-02
4665	476363.09	3860377.25	0.00198	0.00098	0.00072	0.00127	0.00158	0.00134	0.00102	0.00098	9.50E-03	4.17E-05	1.73E-09	3.08E-05	3.41E-04	8.67E-05	1.66E-04	1.54E-04	1.00E-02
4666	476863.09	3860377.25	0.00194	0.00096	0.00073	0.00125	0.00152	0.00133	0.00099	0.00096	9.31E-03	4.08E-05	1.75E-09	3.03E-05	3.28E-04	8.61E-05	1.62E-04	1.50E-04	9.81E-03
4667	477363.09	3860377.25	0.00152	0.00086	0.00063	0.00109	0.00128	0.00121	0.00087	0.00086	7.29E-03	3.66E-05	1.51E-09	2.64E-05	2.76E-04	7.83E-05	1.42E-04	1.35E-04	7.72E-03
4668	477863.09	3860377.25	0.00175	0.00092	0.00067	0.00121	0.00141	0.00131	0.00094	0.00092	8.40E-03	3.91E-05	1.61E-09	2.93E-05	3.04E-04	8.48E-05	1.53E-04	1.44E-04	8.86E-03
4669	478363.09	3860377.25	0.00238	0.00108	0.00077	0.00154	0.00179	0.00158	0.00113	0.00108	1.14E-02	4.60E-05	1.85E-09	3.73E-05	3.86E-04	1.02E-04	1.84E-04	1.69E-04	1.20E-02
4670	478863.09	3860377.25	0.00269	0.00126	0.00094	0.00181	0.0022	0.00186	0.0013	0.00126	1.29E-02	5.36E-05	2.25E-09	4.39E-05	4.74E-04	1.20E-04	2.12E-04	1.97E-04	1.36E-02

4671	479363.09	3860377.25	0.00292	0.00147	0.0012	0.00211	0.00268	0.00221	0.00148	0.00147	1.40E-02	6.25E-05	2.88E-09	5.11E-05	5.78E-04	1.43E-04	2.42E-04	2.30E-04	1.49E-02
4672	479863.09	3860377.25	0.00298	0.00165	0.0016	0.00235	0.0031	0.00255	0.00162	0.00165	1.43E-02	7.02E-05	3.84E-09	5.69E-05	6.69E-04	1.65E-04	2.64E-04	2.58E-04	1.53E-02
4673	480363.09	3860377.25	0.00302	0.00179	0.00174	0.00252	0.00331	0.00281	0.00172	0.00179	1.45E-02	7.62E-05	4.17E-09	6.11E-05	7.14E-04	1.82E-04	2.81E-04	2.80E-04	1.55E-02
4674	480863.09	3860377.25	0.00308	0.00191	0.00178	0.00264	0.00347	0.00306	0.00181	0.00191	1.48E-02	8.13E-05	4.27E-09	6.40E-05	7.48E-04	1.98E-04	2.95E-04	2.99E-04	1.59E-02
4675	481363.09	3860377.25	0.00319	0.00198	0.00191	0.00279	0.00362	0.00324	0.00188	0.00198	1.53E-02	8.42E-05	4.58E-09	6.76E-05	7.81E-04	2.10E-04	3.07E-04	3.10E-04	1.64E-02
4676	481863.09	3860377.25	0.0033	0.0021	0.00219	0.00294	0.0038	0.0035	0.00198	0.0021	1.58E-02	8.94E-05	5.25E-09	7.12E-05	8.20E-04	2.26E-04	3.23E-04	3.29E-04	1.70E-02
4677	482363.09	3860377.25	0.00346	0.0022	0.00226	0.00312	0.00408	0.00381	0.00206	0.0022	1.66E-02	9.36E-05	5.42E-09	7.56E-05	8.80E-04	2.47E-04	3.36E-04	3.45E-04	1.79E-02
4678	482863.09	3860377.25	0.00361	0.00228	0.00222	0.00331	0.00441	0.00412	0.00214	0.00228	1.73E-02	9.70E-05	5.32E-09	8.02E-05	9.51E-04	2.67E-04	3.49E-04	3.57E-04	1.87E-02
4679	483363.09	3860377.25	0.00371	0.00242	0.00219	0.00351	0.00467	0.00452	0.00225	0.00242	1.78E-02	1.03E-04	5.25E-09	8.50E-05	1.01E-03	2.92E-04	3.67E-04	3.79E-04	1.93E-02
4680	483863.09	3860377.25	0.00389	0.00253	0.00226	0.00373	0.00477	0.00492	0.00235	0.00253	1.87E-02	1.08E-04	5.42E-09	9.04E-05	1.03E-03	3.18E-04	3.84E-04	3.96E-04	2.02E-02
4681	484363.09	3860377.25	0.00401	0.00269	0.00264	0.00396	0.00433	0.00553	0.00247	0.00269	1.92E-02	1.14E-04	6.33E-09	9.59E-05	9.34E-04	3.58E-04	4.03E-04	4.21E-04	2.07E-02
4682	484863.09	3860377.25	0.00434	0.00282	0.00269	0.00433	0.00399	0.00618	0.0026	0.00282	2.08E-02	1.20E-04	6.45E-09	1.05E-04	8.61E-04	4.00E-04	4.24E-04	4.42E-04	2.23E-02
4683	485363.09	3860377.25	0.00483	0.00298	0.00261	0.00472	0.00406	0.00695	0.00275	0.00298	2.32E-02	1.27E-04	6.26E-09	1.14E-04	8.76E-04	4.50E-04	4.49E-04	4.67E-04	2.47E-02
4684	485863.09	3860377.25	0.00564	0.00322	0.00332	0.00519	0.00436	0.00804	0.00296	0.00322	2.71E-02	1.37E-04	7.96E-09	1.26E-04	9.40E-04	5.20E-04	4.83E-04	5.04E-04	2.88E-02
4685	486363.09	3860377.25	0.00676	0.00351	0.00333	0.00579	0.00388	0.0098	0.00322	0.00351	3.24E-02	1.49E-04	7.99E-09	1.40E-04	8.37E-04	6.34E-04	5.26E-04	5.50E-04	3.42E-02
4686	486863.09	3860377.25	0.00878	0.00383	0.00337	0.00658	0.00286	0.01307	0.00352	0.00383	4.21E-02	1.63E-04	8.08E-09	1.59E-04	6.17E-04	8.46E-04	5.75E-04	6.00E-04	4.39E-02
4687	487363.09	3860377.25	0.01534	0.00422	0.00375	0.0076	0.00277	0.02797	0.00388	0.00422	7.36E-02	1.80E-04	8.99E-09	1.84E-04	5.97E-04	1.81E-03	6.33E-04	6.61E-04	7.64E-02
4688	487863.09	3860377.25	0.08334	0.00474	0.00369	0.00921	0.00259	0.08927	0.0044	0.00474	4.00E-01	2.02E-04	8.85E-09	2.23E-04	5.59E-04	5.78E-03	7.18E-04	7.43E-04	4.07E-01
4689	488363.09	3860377.25	0.10464	0.00533	0.0044	0.01244	0.00206	0.20048	0.00503	0.00533	5.02E-01	2.27E-04	1.06E-08	3.01E-04	4.44E-04	1.30E-02	8.21E-04	8.35E-04	5.16E-01
4690	488863.09	3860377.25	0.10905	0.00611	0.00551	0.02305	0.00238	0.05156	0.00587	0.00611	5.23E-01	2.60E-04	1.32E-08	5.58E-04	5.13E-04	3.34E-03	9.58E-04	9.57E-04	5.28E-01
4691	489363.09	3860377.25	0.05084	0.00718	0.00706	0.10933	0.00447	0.03077	0.00697	0.00718	2.44E-01	3.05E-04	1.69E-08	2.65E-03	9.64E-04	1.99E-03	1.14E-03	1.12E-03	2.50E-01
4692	489863.09	3860377.25	0.02609	0.00864	0.00599	0.03485	0.00595	0.02387	0.00845	0.00864	1.25E-01	3.68E-04	1.44E-08	8.44E-04	1.28E-03	1.54E-03	1.38E-03	1.35E-03	1.29E-01
4693	490363.09	3860377.25	0.01863	0.01108	0.00652	0.02635	0.00477	0.02137	0.01088	0.01108	8.94E-02	4.71E-04	1.56E-08	6.38E-04	1.03E-03	1.38E-03	1.78E-03	1.74E-03	9.30E-02
4694	490863.09	3860377.25	0.01575	0.01676	0.00627	0.0247	0.00391	0.02124	0.01654	0.01676	7.56E-02	7.13E-04	1.50E-08	5.98E-04	8.43E-04	1.37E-03	2.70E-03	2.63E-03	7.92E-02
4695	491363.09	3860377.25	0.01789	0.05062	0.00608	0.02495	0.00399	0.02371	0.04943	0.05062	8.59E-02	2.15E-03	1.46E-08	6.04E-04	8.61E-04	1.53E-03	8.07E-03	7.93E-03	9.11E-02
4696	491863.09	3860377.25	0.02355	0.08681	0.00661	0.02375	0.00406	0.03242	0.08952	0.08681	1.13E-01	3.69E-03	1.59E-08	5.75E-04	8.76E-04	2.10E-03	1.46E-02	1.36E-02	1.21E-01
4697	492363.09	3860377.25	0.01356	0.03491	0.00714	0.02214	0.0045	0.08019	0.03533	0.03491	6.51E-02	1.49E-03	1.71E-08	5.36E-04	9.71E-04	5.19E-03	5.77E-03	5.47E-03	7.36E-02
4698	492863.09	3860377.25	0.01093	0.02346	0.00694	0.01958	0.00469	0.34703	0.02349	0.02346	5.25E-02	9.98E-04	1.66E-08	4.74E-04	1.01E-03	2.25E-02	3.83E-03	3.68E-03	7.75E-02
4699	493363.09	3860377.25	0.00978	0.01696	0.00664	0.01677	0.00451	0.09231	0.01689	0.01696	4.69E-02	7.22E-04	1.59E-08	4.06E-04	9.73E-04	5.97E-03	2.76E-03	2.66E-03	5.51E-02
4700	493863.09	3860377.25	0.00877	0.01456	0.00636	0.01471	0.00408	0.08114	0.01444	0.01456	4.21E-02	6.20E-04	1.53E-08	3.56E-04	8.80E-04	5.25E-03	2.36E-03	2.28E-03	4.93E-02
4701	494363.09	3860377.25	0.00823	0.01218	0.00588	0.013	0.00404	0.06646	0.01203	0.01218	3.95E-02	5.18E-04	1.41E-08	3.15E-04	8.71E-04	4.30E-03	1.96E-03	1.91E-03	4.56E-02
4702	494863.09	3860377.25	0.00762	0.01122	0.00558	0.0118	0.00424	0.03761	0.01104	0.01122	3.66E-02	4.77E-04	1.34E-08	2.86E-04	9.14E-04	2.43E-03	1.80E-03	1.76E-03	4.07E-02
4703	495363.09	3860377.25	0.00729	0.00991	0.00514	0.01078	0.00458	0.02573	0.00974	0.00991	3.50E-02	4.22E-04	1.23E-08	2.61E-04	9.88E-04	1.66E-03	1.59E-03	1.55E-03	3.84E-02
4704	495863.09	3860377.25	0.00712	0.0084	0.00455	0.00955	0.00484	0.01901	0.00825	0.0084	3.42E-02	3.57E-04	1.09E-08	2.31E-04	1.04E-03	1.23E-03	1.35E-03	1.32E-03	3.71E-02
4705	496363.09	3860377.25	0.00688	0.00732	0.00398	0.00838	0.00484	0.01471	0.00721	0.00732	3.30E-02	3.11E-04	9.55E-09	2.03E-04	1.04E-03	9.52E-04	1.18E-03	1.15E-03	3.56E-02
4706	496863.09	3860377.25	0.00658	0.00662	0.00361	0.00751	0.00469	0.01224	0.00654	0.00662	3.16E-02	2.82E-04	8.66E-09	1.82E-04	1.01E-03	7.92E-04	1.07E-03	1.04E-03	3.39E-02
4707	497363.09	3860377.25	0.00619	0.0059	0.00321	0.00663	0.00442	0.01025	0.00586	0.0059	2.97E-02	2.51E-04	7.70E-09	1.61E-04	9.53E-04	6.63E-04	9.57E-04	9.24E-04	3.18E-02
4708	497863.09	3860377.25	0.006	0.00626	0.00347	0.00717	0.00482	0.01055	0.00619	0.00626	2.88E-02	2.66E-04	8.32E-09	1.74E-04	1.04E-03	6.83E-04	1.01E-03	9.81E-04	3.10E-02
4709	498363.09	3860377.25	0.00562	0.00668	0.00362	0.00737	0.00497	0.01036	0.00657	0.00668	2.70E-02	2.84E-04	8.68E-09	1.79E-04	1.07E-03	6.70E-04	1.07E-03	1.05E-03	2.92E-02
4710	471363.09	3860877.25	0.00145	0.00107	0.00077	0.00107	0.00159	0.00125	0.00106	0.00107	6.96E-03	4.55E-05	1.85E-09	2.59E-05	3.43E-04	8.09E-05	1.73E-04	1.68E-04	7.46E-03
4711	471863.09	3860877.25	0.00149	0.00109	0.00081	0.00112	0.00165	0.00131	0.00108	0.00109	7.15E-03	4.64E-05	1.94E-09	2.71E-05	3.56E-04	8.48E-05	1.76E-04	1.71E-04	7.67E-03
4712	472363.09	3860877.25	0.00154	0.00112	0.00084	0.00116	0.00171	0.00137	0.0011	0.00112	7.39E-03	4.77E-05	2.01E-09	2.81E-05	3.69E-04	8.86E-05	1.80E-04	1.75E-04	7.93E-03
4713	472863.09	3860877.25	0.0016	0.00114	0.00088	0.00121	0.00178	0.00143	0.00113	0.00114	7.68E-03	4.85E-05	2.11E-09	2.93E-05	3.84E-04	9.25E-05	1.84E-04	1.79E-04	8.24E-03
4714	473363.09	3860877.25	0.00166	0.00117	0.0009	0.00126	0.00184	0.00148	0.00115	0.00117	7.97E-03	4.98E-05	2.16E-09	3.05E-05	3.97E-04	9.58E-05	1.88E-04	1.83E-04	8.54E-03
4715	473863.09	3860877.25	0.00173	0.00119	0.0009	0.00132	0.00188	0.00154	0.00117	0.00119	8.30E-03	5.06E-05	2.16E-09	3.20E-05	4.05E-04	9.96E-05	1.91E-04	1.86E-04	8.89E-03
4716	474363.09	3860877.25	0.00181	0.00121	0.00089	0.00137	0.00189	0.00158	0.00119	0.00121	8.69E-03	5.15E-05	2.13E-09	3.32E-05	4.08E-04	1.02E-04	1.94E-04	1.90E-04	9.29E-03
4717	474863.09	3860877.25	0.00189	0.00123	0.00087	0.00144	0.00188	0.00164	0.00121	0.00123	9.07E-03	5.23E-05	2.09E-09	3.49E-05	4.05E-04	1.06E-04	1.98E-04	1.93E-04	9.67E-03
4718	475363.09	3860877.25	0.00199	0.00122	0.00085	0.00149	0.00183	0.00165	0.00121	0.00122	9.55E-03	5.19E-05	2.04E-09	3.61E-05	3.95E-04	1.07E-04	1.98E-04	1.91E-04	1.01E-02
4719	475863.09	3860877.25	0.00208	0.00119	0.00086	0.00151	0.00176	0.00162	0.0012	0.00119	9.98E-03	5.06E-05	2.06E-09	3.66E-05	3.80E-04	1.05E-04	1.96E-04	1.86E-04	1.06E-02
4720	476363.09	3860877.25	0.00212	0.00113	0.00084	0.0015	0.00169	0.00155	0.00116	0.00113	1.02E-02	4.81E-05	2.01E-09	3.63E-05	3.64E-04	1.00E-04	1.89E-04	1.77E-04	1.07E-02
4721	476863.09	3860877.25	0.00217	0.00111	0.0008	0.00151	0.0017	0.00154	0.00114	0.00111	1.04E-02	4.72E-05	1.92E-09	3.66E-05	3.67E-04	9.96E-05	1.86E-04	1.74E-04	1.10E-02
4722	477363.09	3860877.25	0.00225	0.00112	0.00078	0.00156	0.00179	0.00159	0.00116	0.00112	1.08E-02	4.77E-05	1.87E-09	3.78E-05	3.86E-04	1.03E-04	1.89E-04	1.75E-04	1.14E-02
4723	477863.09	3860877.25	0.00225	0.00107	0.00072	0.0015	0.0018	0.00152	0.00111	0.00107	1.08E-02	4.55E-05	1.73E-09	3.63E-05	3.88E-04	9.83E-05	1.81E-04	1.68E-04	1.14E-02
4724	478363.09	3860877.25	0.00188	0.00094	0.00069	0.00127	0.00155	0.00137	0.00096	0.00094	9.02E-03	4.00E-05	1.65E-09	3.08E-05	3.34E-04	8.86E-05	1.57E-04	1.47E-04	9.53E-03
4725	478863.09	3860877.25	0.00251	0.00119	0.00092	0.0017	0.00228	0.00177	0.00123	0.00119	1.20E-02	5.06E-05	2.21E-09	4.12E-05	4.92E-04	1.15E-04	2.01E-04	1.86E-04	1.28E-02
4726	479363.09	3860877.25	0.0027	0.00141	0.00132	0.00201	0.00274	0.00214	0.00141	0.00141	1.30E-02	6.00E-05	3.17E-09	4.87E-05	5.91E-04	1.38E-04	2.30E-04	2.21E-04	1.38E-02
4727	479863.09	3860877.25	0.00272	0.00157	0.0016	0.00224	0.00287	0.00246	0.00154	0.00157	1.31E-02	6.68E-05	3.84E-09	5.43E-05	6.19E-04	1.59E-04	2.51E-04	2.46E-04	1.40E-02

4728	480363.09	3860877.25	0.00273	0.0017	0.00172	0.0024	0.00298	0.00272	0.00164	0.0017	1.31E-02	7.23E-05	4.13E-09	5.81E-05	6.43E-04	1.76E-04	2.68E-04	2.66E-04	1.41E-02
4729	480863.09	3860877.25	0.00278	0.00178	0.0017	0.00251	0.00308	0.00292	0.0017	0.00178	1.33E-02	7.57E-05	4.08E-09	6.08E-05	6.64E-04	1.89E-04	2.77E-04	2.79E-04	1.43E-02
4730	481363.09	3860877.25	0.00285	0.00186	0.00191	0.00262	0.00325	0.00312	0.00178	0.00186	1.37E-02	7.91E-05	4.58E-09	6.35E-05	7.01E-04	2.02E-04	2.91E-04	2.91E-04	1.47E-02
4731	481863.09	3860877.25	0.00296	0.00195	0.00187	0.00272	0.00349	0.00334	0.00185	0.00195	1.42E-02	8.30E-05	4.48E-09	6.59E-05	7.53E-04	2.16E-04	3.02E-04	3.05E-04	1.53E-02
4732	482363.09	3860877.25	0.00306	0.00204	0.00194	0.00287	0.00372	0.00358	0.00192	0.00204	1.47E-02	8.68E-05	4.65E-09	6.95E-05	8.02E-04	2.32E-04	3.13E-04	3.20E-04	1.59E-02
4733	482863.09	3860877.25	0.00317	0.00211	0.00198	0.00308	0.00391	0.00382	0.00199	0.00211	1.52E-02	8.98E-05	4.75E-09	7.46E-05	8.43E-04	2.47E-04	3.25E-04	3.31E-04	1.65E-02
4734	483363.09	3860877.25	0.00329	0.00221	0.00189	0.0033	0.00391	0.00412	0.00208	0.00221	1.58E-02	9.40E-05	4.53E-09	7.99E-05	8.43E-04	2.67E-04	3.40E-04	3.46E-04	1.71E-02
4735	483863.09	3860877.25	0.00341	0.00232	0.00214	0.00355	0.00366	0.00445	0.00218	0.00232	1.64E-02	9.87E-05	5.13E-09	8.60E-05	7.89E-04	2.88E-04	3.56E-04	3.63E-04	1.76E-02
4736	484363.09	3860877.25	0.0035	0.00245	0.00232	0.00378	0.00325	0.00491	0.00229	0.00245	1.68E-02	1.04E-04	5.56E-09	9.16E-05	7.01E-04	3.18E-04	3.74E-04	3.84E-04	1.80E-02
4737	484863.09	3860877.25	0.00364	0.00255	0.00214	0.004	0.00313	0.00533	0.00239	0.00255	1.75E-02	1.08E-04	5.13E-09	9.69E-05	6.75E-04	3.45E-04	3.90E-04	3.99E-04	1.87E-02
4738	485363.09	3860877.25	0.00392	0.00267	0.00244	0.00435	0.00351	0.00585	0.00252	0.00267	1.88E-02	1.14E-04	5.85E-09	1.05E-04	7.57E-04	3.79E-04	4.11E-04	4.18E-04	2.02E-02
4739	485863.09	3860877.25	0.00437	0.00285	0.00288	0.00479	0.00354	0.00661	0.00269	0.00285	2.10E-02	1.21E-04	6.91E-09	1.16E-04	7.63E-04	4.28E-04	4.39E-04	4.46E-04	2.24E-02
4740	486363.09	3860877.25	0.00496	0.00305	0.00276	0.00526	0.00266	0.00763	0.00287	0.00305	2.38E-02	1.30E-04	6.62E-09	1.27E-04	5.74E-04	4.94E-04	4.68E-04	4.78E-04	2.51E-02
4741	486863.09	3860877.25	0.0058	0.00329	0.00278	0.00585	0.00218	0.00919	0.00309	0.00329	2.78E-02	1.40E-04	6.67E-09	1.42E-04	4.70E-04	5.95E-04	5.04E-04	5.15E-04	2.92E-02
4742	487363.09	3860877.25	0.00707	0.00354	0.00277	0.00661	0.00233	0.01239	0.00332	0.00354	3.39E-02	1.51E-04	6.64E-09	1.60E-04	5.03E-04	8.02E-04	5.42E-04	5.55E-04	3.55E-02
4743	487863.09	3860877.25	0.00868	0.00385	0.00284	0.00798	0.00205	0.01946	0.00361	0.00385	4.17E-02	1.64E-04	6.81E-09	1.93E-04	4.42E-04	1.26E-03	5.89E-04	6.03E-04	4.37E-02
4744	488363.09	3860877.25	0.01117	0.00424	0.00327	0.01064	0.00163	0.02369	0.00401	0.00424	5.36E-02	1.80E-04	7.84E-09	2.58E-04	3.52E-04	1.53E-03	6.55E-04	6.64E-04	5.59E-02
4745	488863.09	3860877.25	0.01181	0.00462	0.00438	0.02093	0.00172	0.02052	0.00444	0.00462	5.67E-02	1.97E-04	1.05E-08	5.07E-04	3.71E-04	1.33E-03	7.25E-04	7.24E-04	5.91E-02
4746	489363.09	3860877.25	0.01191	0.00516	0.00376	0.09859	0.0025	0.01678	0.00504	0.00516	5.72E-02	2.20E-04	9.02E-09	2.39E-03	5.39E-04	1.09E-03	8.23E-04	8.08E-04	6.14E-02
4747	489863.09	3860877.25	0.01078	0.00593	0.00346	0.03069	0.00434	0.0142	0.00583	0.00593	5.17E-02	2.52E-04	8.30E-09	7.44E-04	9.36E-04	9.19E-04	9.52E-04	9.29E-04	5.46E-02
4748	490363.09	3860877.25	0.00959	0.00715	0.00348	0.02083	0.00449	0.01314	0.00701	0.00715	4.60E-02	3.04E-04	8.35E-09	5.05E-04	9.68E-04	8.50E-04	1.14E-03	1.12E-03	4.87E-02
4749	490863.09	3860877.25	0.00874	0.00917	0.00361	0.01692	0.0035	0.01281	0.00904	0.00917	4.19E-02	3.90E-04	8.66E-09	4.10E-04	7.55E-04	8.29E-04	1.48E-03	1.44E-03	4.44E-02
4750	491363.09	3860877.25	0.00797	0.0132	0.00357	0.01481	0.00297	0.01285	0.01304	0.0132	3.82E-02	5.62E-04	8.56E-09	3.59E-04	6.41E-04	8.31E-04	2.13E-03	2.07E-03	4.07E-02
4751	491863.09	3860877.25	0.00757	0.02874	0.00349	0.01326	0.00314	0.01319	0.02836	0.02874	3.63E-02	1.22E-03	8.37E-09	3.21E-04	6.77E-04	8.53E-04	4.63E-03	4.50E-03	3.95E-02
4752	492363.09	3860877.25	0.00707	0.15394	0.00356	0.01201	0.00306	0.01372	0.15527	0.15394	3.39E-02	6.55E-03	8.54E-09	2.91E-04	6.60E-04	8.88E-04	2.53E-02	2.41E-02	4.35E-02
4753	492863.09	3860877.25	0.0067	0.04528	0.00372	0.0111	0.00324	0.01443	0.04547	0.04528	3.22E-02	1.93E-03	8.92E-09	2.69E-04	6.99E-04	9.34E-04	7.42E-03	7.09E-03	3.63E-02
4754	493363.09	3860877.25	0.00651	0.02856	0.00403	0.01067	0.00361	0.01509	0.02864	0.02856	3.12E-02	1.22E-03	9.67E-09	2.59E-04	7.79E-04	9.76E-04	4.67E-03	4.47E-03	3.47E-02
4755	493863.09	3860877.25	0.00621	0.02233	0.00405	0.01037	0.00364	0.01532	0.02232	0.02233	2.98E-02	9.50E-04	9.71E-09	2.51E-04	7.85E-04	9.91E-04	3.64E-03	3.50E-03	3.29E-02
4756	494363.09	3860877.25	0.00594	0.0188	0.004	0.00985	0.00337	0.01452	0.01873	0.0188	2.85E-02	8.00E-04	9.59E-09	2.39E-04	7.27E-04	9.39E-04	3.06E-03	2.95E-03	3.13E-02
4757	494863.09	3860877.25	0.00574	0.01611	0.00398	0.00933	0.00309	0.01387	0.01602	0.01611	2.75E-02	6.85E-04	9.55E-09	2.26E-04	6.66E-04	8.97E-04	2.61E-03	2.52E-03	3.01E-02
4758	495363.09	3860877.25	0.00557	0.01408	0.00395	0.00879	0.00304	0.01294	0.01398	0.01408	2.67E-02	5.99E-04	9.47E-09	2.13E-04	6.56E-04	8.37E-04	2.28E-03	2.21E-03	2.91E-02
4759	495863.09	3860877.25	0.00538	0.01276	0.00388	0.00828	0.00319	0.01197	0.01265	0.01276	2.58E-02	5.43E-04	9.31E-09	2.01E-04	6.88E-04	7.74E-04	2.06E-03	2.00E-03	2.81E-02
4760	496363.09	3860877.25	0.00533	0.01092	0.00377	0.00784	0.00349	0.01114	0.0108	0.01092	2.56E-02	4.65E-04	9.04E-09	1.90E-04	7.53E-04	7.21E-04	1.76E-03	1.71E-03	2.78E-02
4761	496863.09	3860877.25	0.00536	0.0089	0.00346	0.00713	0.00375	0.00986	0.0088	0.0089	2.57E-02	3.79E-04	8.30E-09	1.73E-04	8.09E-04	6.38E-04	1.44E-03	1.39E-03	2.78E-02
4762	497363.09	3860877.25	0.00519	0.00835	0.00336	0.00681	0.00386	0.00917	0.00825	0.00835	2.49E-02	3.55E-04	8.06E-09	1.65E-04	8.33E-04	5.93E-04	1.35E-03	1.31E-03	2.69E-02
4763	497863.09	3860877.25	0.00505	0.00765	0.00316	0.00643	0.00387	0.00847	0.00756	0.00765	2.42E-02	3.25E-04	7.58E-09	1.56E-04	8.35E-04	5.48E-04	1.23E-03	1.20E-03	2.61E-02
4764	498363.09	3860877.25	0.00481	0.00773	0.00319	0.0064	0.00394	0.00827	0.00764	0.00773	2.31E-02	3.29E-04	7.65E-09	1.55E-04	8.50E-04	5.35E-04	1.25E-03	1.21E-03	2.50E-02
4765	471363.09	3861377.25	0.00141	0.00105	0.00078	0.00109	0.00157	0.00127	0.00104	0.00105	6.77E-03	4.47E-05	1.87E-09	2.64E-05	3.39E-04	8.22E-05	1.70E-04	1.64E-04	7.26E-03
4766	471863.09	3861377.25	0.00146	0.00107	0.0008	0.00114	0.00161	0.00132	0.00106	0.00107	7.01E-03	4.55E-05	1.92E-09	2.76E-05	3.47E-04	8.54E-05	1.73E-04	1.68E-04	7.52E-03
4767	472363.09	3861377.25	0.00151	0.00109	0.00081	0.00119	0.00164	0.00137	0.00108	0.00109	7.25E-03	4.64E-05	1.94E-09	2.88E-05	3.54E-04	8.86E-05	1.76E-04	1.71E-04	7.77E-03
4768	472863.09	3861377.25	0.00156	0.00112	0.00082	0.00124	0.00167	0.00142	0.0011	0.00112	7.49E-03	4.77E-05	1.97E-09	3.00E-05	3.60E-04	9.19E-05	1.80E-04	1.75E-04	8.02E-03
4769	473363.09	3861377.25	0.00162	0.00114	0.00082	0.00129	0.00166	0.00147	0.00112	0.00114	7.77E-03	4.85E-05	1.97E-09	3.13E-05	3.58E-04	9.51E-05	1.83E-04	1.79E-04	8.31E-03
4770	473863.09	3861377.25	0.00169	0.00116	0.00082	0.00135	0.00161	0.00152	0.00114	0.00116	8.11E-03	4.94E-05	1.97E-09	3.27E-05	3.47E-04	9.83E-05	1.86E-04	1.82E-04	8.64E-03
4771	474363.09	3861377.25	0.00174	0.00118	0.00084	0.00141	0.00164	0.00159	0.00116	0.00118	8.35E-03	5.02E-05	2.01E-09	3.42E-05	3.54E-04	1.03E-04	1.89E-04	1.85E-04	8.90E-03
4772	474863.09	3861377.25	0.00181	0.0012	0.00088	0.00146	0.00158	0.00163	0.00118	0.0012	8.69E-03	5.11E-05	2.11E-09	3.54E-05	3.41E-04	1.05E-04	1.93E-04	1.88E-04	9.22E-03
4773	475363.09	3861377.25	0.00187	0.00123	0.00096	0.00152	0.00162	0.0017	0.0012	0.00123	8.97E-03	5.23E-05	2.30E-09	3.68E-05	3.49E-04	1.10E-04	1.96E-04	1.93E-04	9.53E-03
4774	475863.09	3861377.25	0.00195	0.00124	0.00098	0.00156	0.00168	0.00172	0.00122	0.00124	9.36E-03	5.28E-05	2.35E-09	3.78E-05	3.62E-04	1.11E-04	1.99E-04	1.94E-04	9.93E-03
4775	476363.09	3861377.25	0.00204	0.00123	0.00096	0.00158	0.00179	0.00172	0.00122	0.00123	9.79E-03	5.23E-05	2.30E-09	3.83E-05	3.86E-04	1.11E-04	1.99E-04	1.93E-04	1.04E-02
4776	476863.09	3861377.25	0.00212	0.00122	0.00093	0.0016	0.00196	0.00173	0.00122	0.00122	1.02E-02	5.19E-05	2.23E-09	3.88E-05	4.23E-04	1.12E-04	1.99E-04	1.91E-04	1.08E-02
4777	477363.09	3861377.25	0.00219	0.00122	0.00091	0.00162	0.00215	0.00174	0.00123	0.00122	1.05E-02	5.19E-05	2.18E-09	3.92E-05	4.64E-04	1.13E-04	2.01E-04	1.91E-04	1.12E-02
4778	477863.09	3861377.25	0.0022	0.00113	0.00087	0.00154	0.0021	0.00161	0.00116	0.00113	1.06E-02	4.81E-05	2.09E-09	3.73E-05	4.53E-04	1.04E-04	1.89E-04	1.77E-04	1.12E-02
4779	478363.09	3861377.25	0.00196	0.00095	0.00073	0.00129	0.00161	0.00138	0.00098	0.00095	9.41E-03	4.04E-05	1.75E-09	3.13E-05	3.47E-04	8.93E-05	1.60E-04	1.49E-04	9.93E-03
4780	478863.09	3861377.25	0.00216	0.00102	0.0008	0.00145	0.00177	0.00152	0.00106	0.00102	1.04E-02	4.34E-05	1.92E-09	3.51E-05	3.82E-04	9.83E-05	1.73E-04	1.60E-04	1.09E-02
4781	479363.09	3861377.25	0.00248	0.00131	0.00118	0.00187	0.00227	0.00202	0.00133	0.00131	1.19E-02	5.57E-05	2.83E-09	4.53E-05	4.90E-04	1.31E-04	2.17E-04	2.05E-04	1.26E-02
4782	479863.09	3861377.25	0.00248	0.00148	0.0014	0.00206	0.00244	0.00236	0.00146	0.00148	1.19E-02	6.30E-05	3.36E-09	4.99E-05	5.26E-04	1.53E-04	2.38E-04	2.32E-04	1.27E-02
4783	480363.09	3861377.25	0.00247	0.00161	0.00145	0.00219	0.00269	0.00264	0.00156	0.00161	1.19E-02	6.85E-05	3.48E-09	5.31E-05	5.80E-04	1.71E-04	2.55E-04	2.52E-04	1.27E-02
4784	480863.09	3861377.25	0.00251	0.00169	0.00151	0.0023	0.00286	0.00281	0.00162	0.00169	1.20E-02	7.19E-05	3.62E-09	5.57E-05	6.17E-04	1.82E-04	2.64E-04	2.65E-04	1.30E-02

4785	481363.09	3861377.25	0.00255	0.00176	0.00164	0.00243	0.00304	0.00296	0.00168	0.00176	1.22E-02	7.49E-05	3.93E-09	5.89E-05	6.56E-04	1.92E-04	2.74E-04	2.76E-04	1.32E-02
4786	481863.09	3861377.25	0.00263	0.00184	0.0016	0.00258	0.0032	0.00315	0.00174	0.00184	1.26E-02	7.83E-05	3.84E-09	6.25E-05	6.90E-04	2.04E-04	2.84E-04	2.88E-04	1.37E-02
4787	482363.09	3861377.25	0.00272	0.00191	0.00168	0.00276	0.00329	0.00337	0.0018	0.00191	1.31E-02	8.13E-05	4.03E-09	6.69E-05	7.10E-04	2.18E-04	2.94E-04	2.99E-04	1.41E-02
4788	482863.09	3861377.25	0.00279	0.00196	0.00179	0.00294	0.00324	0.0036	0.00186	0.00196	1.34E-02	8.34E-05	4.29E-09	7.12E-05	6.99E-04	2.33E-04	3.04E-04	3.07E-04	1.45E-02
4789	483363.09	3861377.25	0.00287	0.00204	0.00183	0.0031	0.00303	0.00379	0.00193	0.00204	1.38E-02	8.68E-05	4.39E-09	7.51E-05	6.53E-04	2.45E-04	3.15E-04	3.20E-04	1.48E-02
4790	483863.09	3861377.25	0.00293	0.00212	0.00203	0.00326	0.0027	0.00403	0.00201	0.00212	1.41E-02	9.02E-05	4.87E-09	7.90E-05	5.82E-04	2.61E-04	3.28E-04	3.32E-04	1.51E-02
4791	484363.09	3861377.25	0.00302	0.00221	0.00202	0.00347	0.00261	0.00431	0.0021	0.00221	1.45E-02	9.40E-05	4.84E-09	8.41E-05	5.63E-04	2.79E-04	3.43E-04	3.46E-04	1.55E-02
4792	484863.09	3861377.25	0.00303	0.0023	0.00213	0.0037	0.00286	0.00463	0.00219	0.0023	1.45E-02	9.79E-05	5.11E-09	8.96E-05	6.17E-04	3.00E-04	3.57E-04	3.60E-04	1.56E-02
4793	485363.09	3861377.25	0.00308	0.00238	0.00228	0.00398	0.00303	0.0049	0.00227	0.00238	1.48E-02	1.01E-04	5.47E-09	9.64E-05	6.53E-04	3.17E-04	3.71E-04	3.73E-04	1.59E-02
4794	485863.09	3861377.25	0.00323	0.00249	0.00217	0.0043	0.00261	0.00529	0.00239	0.00249	1.55E-02	1.06E-04	5.20E-09	1.04E-04	5.63E-04	3.42E-04	3.90E-04	3.90E-04	1.66E-02
4795	486363.09	3861377.25	0.00346	0.00265	0.00205	0.00465	0.00191	0.00571	0.00253	0.00265	1.66E-02	1.13E-04	4.92E-09	1.13E-04	4.12E-04	3.69E-04	4.13E-04	4.15E-04	1.76E-02
4796	486863.09	3861377.25	0.00374	0.00284	0.00227	0.00511	0.00179	0.00627	0.0027	0.00284	1.79E-02	1.21E-04	5.44E-09	1.24E-04	3.86E-04	4.06E-04	4.41E-04	4.45E-04	1.90E-02
4797	487363.09	3861377.25	0.00388	0.00304	0.00251	0.00581	0.00207	0.00679	0.00288	0.00304	1.86E-02	1.29E-04	6.02E-09	1.41E-04	4.46E-04	4.39E-04	4.70E-04	4.76E-04	1.98E-02
4798	487863.09	3861377.25	0.00378	0.00326	0.00231	0.00706	0.00171	0.00721	0.00309	0.00326	1.81E-02	1.39E-04	5.54E-09	1.71E-04	3.69E-04	4.67E-04	5.04E-04	5.11E-04	1.93E-02
4799	488363.09	3861377.25	0.00402	0.00352	0.00257	0.00958	0.00128	0.00762	0.00333	0.00352	1.93E-02	1.50E-04	6.16E-09	2.32E-04	2.76E-04	4.93E-04	5.44E-04	5.51E-04	2.04E-02
4800	488863.09	3861377.25	0.00442	0.00381	0.00298	0.01982	0.00139	0.00777	0.00365	0.00381	2.12E-02	1.62E-04	7.15E-09	4.80E-04	3.00E-04	5.03E-04	5.96E-04	5.97E-04	2.27E-02
4801	489363.09	3861377.25	0.00481	0.00412	0.00248	0.10262	0.00147	0.00779	0.00401	0.00412	2.31E-02	1.75E-04	5.95E-09	2.49E-03	3.17E-04	5.04E-04	6.55E-04	6.45E-04	2.66E-02
4802	489863.09	3861377.25	0.00499	0.00455	0.00247	0.02885	0.00285	0.00787	0.0045	0.00455	2.39E-02	1.94E-04	5.92E-09	6.99E-04	6.15E-04	5.09E-04	7.35E-04	7.13E-04	2.60E-02
4803	490363.09	3861377.25	0.00487	0.0052	0.0022	0.01867	0.0038	0.00795	0.00514	0.0052	2.34E-02	2.21E-04	5.28E-09	4.52E-04	8.20E-04	5.14E-04	8.39E-04	8.15E-04	2.54E-02
4804	490863.09	3861377.25	0.00479	0.00615	0.0027	0.01465	0.00348	0.00795	0.00604	0.00615	2.30E-02	2.62E-04	6.48E-09	3.55E-04	7.51E-04	5.14E-04	9.86E-04	9.63E-04	2.49E-02
4805	491363.09	3861377.25	0.00474	0.00764	0.0025	0.01223	0.00269	0.00804	0.00756	0.00764	2.27E-02	3.25E-04	6.00E-09	2.96E-04	5.80E-04	5.20E-04	1.23E-03	1.20E-03	2.45E-02
4806	491863.09	3861377.25	0.00474	0.01054	0.00246	0.01088	0.00236	0.00823	0.0105	0.01054	2.27E-02	4.48E-04	5.90E-09	2.64E-04	5.09E-04	5.33E-04	1.71E-03	1.65E-03	2.46E-02
4807	492363.09	3861377.25	0.00471	0.01854	0.00239	0.00993	0.00253	0.00827	0.01843	0.01854	2.26E-02	7.89E-04	5.73E-09	2.41E-04	5.46E-04	5.35E-04	3.01E-03	2.90E-03	2.48E-02
4808	492863.09	3861377.25	0.00459	0.06442	0.0025	0.009	0.0025	0.00807	0.06393	0.06442	2.20E-02	2.74E-03	6.00E-09	2.18E-04	5.39E-04	5.22E-04	1.04E-02	1.01E-02	2.64E-02
4809	493363.09	3861377.25	0.00449	0.28892	0.00256	0.0085	0.00253	0.00804	0.27311	0.28892	2.15E-02	1.23E-02	6.14E-09	2.06E-04	5.46E-04	5.20E-04	4.46E-02	4.53E-02	3.44E-02
4810	493863.09	3861377.25	0.00435	0.08613	0.00259	0.00784	0.00276	0.00781	0.08487	0.08613	2.09E-02	3.66E-03	6.21E-09	1.90E-04	5.95E-04	5.05E-04	1.39E-02	1.35E-02	2.62E-02
4811	494363.09	3861377.25	0.00426	0.04979	0.00268	0.00737	0.00293	0.00765	0.04958	0.04979	2.04E-02	2.12E-03	6.43E-09	1.79E-04	6.32E-04	4.95E-04	8.09E-03	7.80E-03	2.42E-02
4812	494863.09	3861377.25	0.00419	0.03496	0.00275	0.00717	0.00288	0.0076	0.03492	0.03496	2.01E-02	1.49E-03	6.60E-09	1.74E-04	6.21E-04	4.92E-04	5.70E-03	5.48E-03	2.31E-02
4813	495363.09	3861377.25	0.00411	0.02733	0.00274	0.00688	0.00264	0.0075	0.02732	0.02733	1.97E-02	1.16E-03	6.57E-09	1.67E-04	5.69E-04	4.85E-04	4.46E-03	4.28E-03	2.23E-02
4814	495863.09	3861377.25	0.00403	0.02279	0.0027	0.00653	0.00239	0.00728	0.02278	0.02279	1.93E-02	9.70E-04	6.48E-09	1.58E-04	5.15E-04	4.71E-04	3.72E-03	3.57E-03	2.16E-02
4815	496363.09	3861377.25	0.00401	0.01889	0.00274	0.00631	0.00236	0.0072	0.01887	0.01889	1.92E-02	8.04E-04	6.57E-09	1.53E-04	5.09E-04	4.66E-04	3.08E-03	2.96E-03	2.13E-02
4816	496863.09	3861377.25	0.00407	0.01479	0.00283	0.00617	0.00254	0.00718	0.01475	0.01479	1.95E-02	6.29E-04	6.79E-09	1.49E-04	5.48E-04	4.65E-04	2.41E-03	2.32E-03	2.14E-02
4817	497363.09	3861377.25	0.00404	0.01297	0.00283	0.00594	0.00274	0.00698	0.01291	0.01297	1.94E-02	5.52E-04	6.79E-09	1.44E-04	5.91E-04	4.52E-04	2.11E-03	2.03E-03	2.12E-02
4818	497863.09	3861377.25	0.004	0.01153	0.00279	0.00573	0.00293	0.00675	0.01147	0.01153	1.92E-02	4.91E-04	6.69E-09	1.39E-04	6.32E-04	4.37E-04	1.87E-03	1.81E-03	2.10E-02
4819	498363.09	3861377.25	0.00396	0.01032	0.00275	0.00554	0.00307	0.00651	0.01026	0.01032	1.90E-02	4.39E-04	6.60E-09	1.34E-04	6.62E-04	4.21E-04	1.67E-03	1.62E-03	2.07E-02
4820	471363.09	3861877.25	0.00137	0.00102	0.00075	0.00112	0.00146	0.00128	0.00101	0.00102	6.57E-03	4.34E-05	1.80E-09	2.71E-05	3.15E-04	8.28E-05	1.65E-04	1.60E-04	7.05E-03
4821	471863.09	3861877.25	0.00142	0.00104	0.00076	0.00116	0.00145	0.00132	0.00102	0.00104	6.81E-03	4.43E-05	1.82E-09	2.81E-05	3.13E-04	8.54E-05	1.66E-04	1.63E-04	7.29E-03
4822	472363.09	3861877.25	0.00146	0.00106	0.00077	0.0012	0.00143	0.00137	0.00104	0.00106	7.01E-03	4.51E-05	1.85E-09	2.91E-05	3.08E-04	8.86E-05	1.70E-04	1.66E-04	7.48E-03
4823	472863.09	3861877.25	0.00151	0.00109	0.00078	0.00124	0.00142	0.00142	0.00106	0.00109	7.25E-03	4.64E-05	1.87E-09	3.00E-05	3.06E-04	9.19E-05	1.73E-04	1.71E-04	7.72E-03
4824	473363.09	3861877.25	0.00156	0.00111	0.00079	0.00128	0.00141	0.00147	0.00108	0.00111	7.49E-03	4.72E-05	1.89E-09	3.10E-05	3.04E-04	9.51E-05	1.76E-04	1.74E-04	7.97E-03
4825	473863.09	3861877.25	0.00161	0.00113	0.00081	0.00132	0.00143	0.00152	0.0011	0.00113	7.73E-03	4.81E-05	1.94E-09	3.20E-05	3.08E-04	9.83E-05	1.80E-04	1.77E-04	8.22E-03
4826	474363.09	3861877.25	0.00166	0.00115	0.00086	0.00137	0.00149	0.00157	0.00112	0.00115	7.97E-03	4.89E-05	2.06E-09	3.32E-05	3.21E-04	1.02E-04	1.83E-04	1.80E-04	8.47E-03
4827	474863.09	3861877.25	0.00172	0.00117	0.00093	0.00141	0.00157	0.00161	0.00114	0.00117	8.25E-03	4.98E-05	2.23E-09	3.42E-05	3.39E-04	1.04E-04	1.86E-04	1.83E-04	8.78E-03
4828	475363.09	3861877.25	0.00177	0.00119	0.00098	0.00145	0.00169	0.00165	0.00116	0.00119	8.49E-03	5.06E-05	2.35E-09	3.51E-05	3.64E-04	1.07E-04	1.89E-04	1.86E-04	9.05E-03
4829	475863.09	3861877.25	0.00181	0.00122	0.00102	0.0015	0.00183	0.00171	0.00119	0.00122	8.69E-03	5.19E-05	2.45E-09	3.63E-05	3.95E-04	1.11E-04	1.94E-04	1.91E-04	9.28E-03
4830	476363.09	3861877.25	0.00186	0.00124	0.00103	0.00155	0.00195	0.00175	0.00121	0.00124	8.93E-03	5.28E-05	2.47E-09	3.76E-05	4.21E-04	1.13E-04	1.98E-04	1.94E-04	9.55E-03
4831	476863.09	3861877.25	0.00193	0.00125	0.00103	0.00159	0.00209	0.00178	0.00123	0.00125	9.26E-03	5.32E-05	2.47E-09	3.85E-05	4.51E-04	1.15E-04	2.01E-04	1.96E-04	9.92E-03
4832	477363.09	3861877.25	0.002	0.00125	0.00104	0.00161	0.00213	0.00179	0.00123	0.00125	9.60E-03	5.32E-05	2.49E-09	3.90E-05	4.59E-04	1.16E-04	2.01E-04	1.96E-04	1.03E-02
4833	477863.09	3861877.25	0.00204	0.00111	0.00086	0.00148	0.00191	0.0016	0.00113	0.00111	9.79E-03	4.72E-05	2.06E-09	3.59E-05	4.12E-04	1.04E-04	1.84E-04	1.74E-04	1.04E-02
4834	478363.09	3861877.25	0.00169	0.00088	0.00063	0.00116	0.00139	0.00127	0.0009	0.00088	8.11E-03	3.74E-05	1.51E-09	2.81E-05	3.00E-04	8.22E-05	1.47E-04	1.38E-04	8.57E-03
4835	478863.09	3861877.25	0.00207	0.00103	0.00083	0.00142	0.00168	0.00154	0.00107	0.00103	9.93E-03	4.38E-05	1.99E-09	3.44E-05	3.62E-04	9.96E-05	1.75E-04	1.61E-04	1.05E-02
4836	479363.09	3861877.25	0.00206	0.001	0.00078	0.00142	0.00173	0.00152	0.00105	0.001	9.89E-03	4.25E-05	1.87E-09	3.44E-05	3.73E-04	9.83E-05	1.71E-04	1.57E-04	1.04E-02
4837	479863.09	3861877.25	0.00227	0.00141	0.00117	0.00192	0.00239	0.00221	0.00139	0.00141	1.09E-02	6.00E-05	2.81E-09	4.65E-05	5.15E-04	1.43E-04	2.27E-04	2.21E-04	1.17E-02
4838	480363.09	3861877.25	0.00223	0.00154	0.00125	0.00209	0.00258	0.0025	0.00149	0.00154	1.07E-02	6.55E-05	3.00E-09	5.06E-05	5.56E-04	1.62E-04	2.43E-04	2.41E-04	1.15E-02
4839	480863.09	3861877.25	0.00226	0.0016	0.00143	0.00221	0.00269	0.00264	0.00154	0.0016	1.08E-02	6.81E-05	3.43E-09	5.35E-05	5.80E-04	1.71E-04	2.51E-04	2.51E-04	1.17E-02
4840	481363.09	3861877.25	0.00227	0.00166	0.00146	0.00233	0.00277	0.00279	0.00159	0.00166	1.09E-02	7.06E-05	3.50E-09	5.64E-05	5.97E-04	1.81E-04	2.60E-04	2.60E-04	1.18E-02
4841	481863.09	3861877.25	0.00232	0.00173	0.00146	0.00244	0.00282	0.00298	0.00165	0.00173	1.11E-02	7.36E-05	3.50E-09	5.91E-05	6.08E-04	1.93E-04	2.69E-04	2.71E-04	1.21E-02

4842	482363.09	3861877.25	0.00238	0.00179	0.00164	0.00257	0.00275	0.00313	0.0017	0.00179	1.14E-02	7.62E-05	3.93E-09	6.23E-05	5.93E-04	2.03E-04	2.77E-04	2.80E-04	1.24E-02
4843	482863.09	3861877.25	0.00243	0.00183	0.00181	0.00269	0.00257	0.00323	0.00175	0.00183	1.17E-02	7.79E-05	4.34E-09	6.52E-05	5.54E-04	2.09E-04	2.86E-04	2.87E-04	1.26E-02
4844	483363.09	3861877.25	0.00246	0.0019	0.00176	0.00282	0.00228	0.00337	0.00181	0.0019	1.18E-02	8.08E-05	4.22E-09	6.83E-05	4.92E-04	2.18E-04	2.95E-04	2.98E-04	1.27E-02
4845	483863.09	3861877.25	0.00246	0.00196	0.00185	0.003	0.00214	0.00353	0.00187	0.00196	1.18E-02	8.34E-05	4.44E-09	7.27E-05	4.62E-04	2.28E-04	3.05E-04	3.07E-04	1.26E-02
4846	484363.09	3861877.25	0.00244	0.00204	0.00181	0.00319	0.00232	0.00371	0.00195	0.00204	1.17E-02	8.68E-05	4.34E-09	7.73E-05	5.00E-04	2.40E-04	3.18E-04	3.20E-04	1.26E-02
4847	484863.09	3861877.25	0.00249	0.00212	0.00196	0.00338	0.00267	0.00392	0.00203	0.00212	1.19E-02	9.02E-05	4.70E-09	8.19E-05	5.76E-04	2.54E-04	3.31E-04	3.32E-04	1.30E-02
4848	485363.09	3861877.25	0.00248	0.00218	0.00186	0.00359	0.00251	0.00412	0.0021	0.00218	1.19E-02	9.28E-05	4.46E-09	8.70E-05	5.41E-04	2.67E-04	3.43E-04	3.41E-04	1.29E-02
4849	485863.09	3861877.25	0.00245	0.00225	0.00169	0.00379	0.0019	0.00426	0.00218	0.00225	1.18E-02	9.57E-05	4.05E-09	9.18E-05	4.10E-04	2.76E-04	3.56E-04	3.52E-04	1.26E-02
4850	486363.09	3861877.25	0.00252	0.00237	0.00172	0.0041	0.0015	0.00446	0.00229	0.00237	1.21E-02	1.01E-04	4.13E-09	9.93E-05	3.24E-04	2.89E-04	3.74E-04	3.71E-04	1.29E-02
4851	486863.09	3861877.25	0.00262	0.00252	0.00213	0.00453	0.00152	0.0046	0.00242	0.00252	1.26E-02	1.07E-04	5.11E-09	1.10E-04	3.28E-04	2.98E-04	3.95E-04	3.95E-04	1.34E-02
4852	487363.09	3861877.25	0.00258	0.00268	0.00207	0.00525	0.00187	0.00479	0.00256	0.00268	1.24E-02	1.14E-04	4.96E-09	1.27E-04	4.03E-04	3.10E-04	4.18E-04	4.20E-04	1.33E-02
4853	487863.09	3861877.25	0.0025	0.00284	0.00194	0.00638	0.00145	0.00466	0.00271	0.00284	1.20E-02	1.21E-04	4.65E-09	1.55E-04	3.13E-04	3.02E-04	4.42E-04	4.45E-04	1.29E-02
4854	488363.09	3861877.25	0.00254	0.00303	0.00226	0.00887	0.00107	0.00491	0.00288	0.00303	1.22E-02	1.29E-04	5.42E-09	2.15E-04	2.31E-04	3.18E-04	4.70E-04	4.75E-04	1.31E-02
4855	488863.09	3861877.25	0.00291	0.00325	0.00205	0.01905	0.00116	0.00529	0.00311	0.00325	1.40E-02	1.38E-04	4.92E-09	4.62E-04	2.50E-04	3.42E-04	5.08E-04	5.09E-04	1.52E-02
4856	489363.09	3861877.25	0.00318	0.00348	0.00203	0.09894	0.00109	0.00535	0.00337	0.00348	1.53E-02	1.48E-04	4.87E-09	2.40E-03	2.35E-04	3.46E-04	5.50E-04	5.45E-04	1.84E-02
4857	489863.09	3861877.25	0.00333	0.00376	0.0019	0.02756	0.0017	0.00541	0.0037	0.00376	1.60E-02	1.60E-04	4.56E-09	6.68E-04	3.67E-04	3.50E-04	6.04E-04	5.89E-04	1.75E-02
4858	490363.09	3861877.25	0.00322	0.00413	0.00167	0.01734	0.0029	0.00537	0.00412	0.00413	1.55E-02	1.76E-04	4.01E-09	4.20E-04	6.25E-04	3.47E-04	6.73E-04	6.47E-04	1.70E-02
4859	490863.09	3861877.25	0.0031	0.00468	0.00193	0.01324	0.00315	0.00546	0.00464	0.00468	1.49E-02	1.99E-04	4.63E-09	3.21E-04	6.79E-04	3.53E-04	7.57E-04	7.33E-04	1.65E-02
4860	491363.09	3861877.25	0.00309	0.00543	0.00202	0.01107	0.00277	0.00555	0.00534	0.00543	1.48E-02	2.31E-04	4.84E-09	2.68E-04	5.97E-04	3.59E-04	8.72E-04	8.51E-04	1.63E-02
4861	491863.09	3861877.25	0.00314	0.00646	0.00194	0.00961	0.00215	0.00557	0.0064	0.00646	1.51E-02	2.75E-04	4.65E-09	2.33E-04	4.64E-04	3.60E-04	1.04E-03	1.01E-03	1.64E-02
4862	492363.09	3861877.25	0.00322	0.00799	0.00188	0.00865	0.00192	0.00551	0.00799	0.00799	1.55E-02	3.40E-04	4.51E-09	2.10E-04	4.14E-04	3.57E-04	1.30E-03	1.25E-03	1.68E-02
4863	492863.09	3861877.25	0.00323	0.01034	0.00181	0.0079	0.0021	0.0055	0.01033	0.01034	1.55E-02	4.40E-04	4.34E-09	1.91E-04	4.53E-04	3.56E-04	1.69E-03	1.62E-03	1.70E-02
4864	493363.09	3861877.25	0.00323	0.01397	0.00185	0.00712	0.00209	0.0055	0.01399	0.01397	1.55E-02	5.94E-04	4.44E-09	1.72E-04	4.51E-04	3.56E-04	2.28E-03	2.19E-03	1.72E-02
4865	493863.09	3861877.25	0.00324	0.02059	0.00196	0.0067	0.00205	0.00533	0.0208	0.02059	1.55E-02	8.76E-04	4.70E-09	1.62E-04	4.42E-04	3.45E-04	3.40E-03	3.23E-03	1.75E-02
4866	494363.09	3861877.25	0.0032	0.03697	0.00197	0.00633	0.00219	0.00526	0.03771	0.03697	1.54E-02	1.57E-03	4.72E-09	1.53E-04	4.72E-04	3.40E-04	6.16E-03	5.79E-03	1.83E-02
4867	494863.09	3861877.25	0.00315	0.15099	0.00197	0.00586	0.00239	0.00512	0.1581	0.15099	1.51E-02	6.42E-03	4.72E-09	1.42E-04	5.15E-04	3.31E-04	2.58E-02	2.37E-02	2.47E-02
4868	495363.09	3861877.25	0.00312	0.17703	0.00202	0.00549	0.00247	0.00502	0.17586	0.17703	1.50E-02	7.53E-03	4.84E-09	1.33E-04	5.33E-04	3.25E-04	2.87E-02	2.77E-02	2.45E-02
4869	495863.09	3861877.25	0.0031	0.07279	0.00206	0.0053	0.00237	0.00501	0.07301	0.07279	1.49E-02	3.10E-03	4.94E-09	1.28E-04	5.11E-04	3.24E-04	1.19E-02	1.14E-02	1.95E-02
4870	496363.09	3861877.25	0.00308	0.04573	0.00208	0.00513	0.00216	0.00502	0.04595	0.04573	1.48E-02	1.95E-03	4.99E-09	1.24E-04	4.66E-04	3.25E-04	7.50E-03	7.16E-03	1.80E-02
4871	496863.09	3861877.25	0.00331	0.02371	0.00224	0.00513	0.00211	0.00523	0.0238	0.02371	1.59E-02	1.01E-03	5.37E-09	1.24E-04	4.55E-04	3.38E-04	3.88E-03	3.71E-03	1.80E-02
4872	497363.09	3861877.25	0.00313	0.0249	0.00214	0.00483	0.00196	0.00501	0.02498	0.0249	1.50E-02	1.06E-03	5.13E-09	1.17E-04	4.23E-04	3.24E-04	4.08E-03	3.90E-03	1.71E-02
4873	497863.09	3861877.25	0.00308	0.02222	0.0021	0.00461	0.002	0.0049	0.02226	0.02222	1.48E-02	9.45E-04	5.04E-09	1.12E-04	4.31E-04	3.17E-04	3.63E-03	3.48E-03	1.67E-02
4874	498363.09	3861877.25	0.00307	0.01933	0.0021	0.00446	0.00215	0.00482	0.01935	0.01933	1.47E-02	8.22E-04	5.04E-09	1.08E-04	4.64E-04	3.12E-04	3.16E-03	3.03E-03	1.66E-02
4875	471363.09	3862377.25	0.00133	0.001	0.00072	0.0011	0.00123	0.00127	0.00098	0.001	6.38E-03	4.25E-05	1.73E-09	2.66E-05	2.65E-04	8.22E-05	1.60E-04	1.57E-04	6.80E-03
4876	471863.09	3862377.25	0.00137	0.00101	0.00072	0.00113	0.00123	0.0013	0.001	0.00101	6.57E-03	4.30E-05	1.73E-09	2.74E-05	2.65E-04	8.41E-05	1.63E-04	1.58E-04	7.00E-03
4877	472363.09	3862377.25	0.0014	0.00104	0.00073	0.00117	0.00124	0.00134	0.00101	0.00104	6.72E-03	4.43E-05	1.75E-09	2.83E-05	2.67E-04	8.67E-05	1.65E-04	1.63E-04	7.15E-03
4878	472863.09	3862377.25	0.00144	0.00106	0.00075	0.0012	0.00128	0.00138	0.00103	0.00106	6.91E-03	4.51E-05	1.80E-09	2.91E-05	2.76E-04	8.93E-05	1.68E-04	1.66E-04	7.35E-03
4879	473363.09	3862377.25	0.00149	0.00108	0.00078	0.00125	0.00134	0.00142	0.00105	0.00108	7.15E-03	4.60E-05	1.87E-09	3.03E-05	2.89E-04	9.19E-05	1.71E-04	1.69E-04	7.61E-03
4880	473863.09	3862377.25	0.00153	0.00109	0.00083	0.00129	0.00144	0.00146	0.00107	0.00109	7.34E-03	4.64E-05	1.99E-09	3.13E-05	3.11E-04	9.45E-05	1.75E-04	1.71E-04	7.83E-03
4881	474363.09	3862377.25	0.00157	0.00111	0.00089	0.00133	0.00155	0.00149	0.00108	0.00111	7.53E-03	4.72E-05	2.13E-09	3.22E-05	3.34E-04	9.64E-05	1.76E-04	1.74E-04	8.05E-03
4882	474863.09	3862377.25	0.00162	0.00113	0.00092	0.00137	0.00167	0.00153	0.0011	0.00113	7.77E-03	4.81E-05	2.21E-09	3.32E-05	3.60E-04	9.90E-05	1.80E-04	1.77E-04	8.32E-03
4883	475363.09	3862377.25	0.00165	0.00116	0.00095	0.00141	0.00176	0.00159	0.00113	0.00116	7.92E-03	4.94E-05	2.28E-09	3.42E-05	3.80E-04	1.03E-04	1.84E-04	1.82E-04	8.49E-03
4884	475863.09	3862377.25	0.00168	0.00119	0.00098	0.00144	0.00183	0.00165	0.00115	0.00119	8.06E-03	5.06E-05	2.35E-09	3.49E-05	3.95E-04	1.07E-04	1.88E-04	1.86E-04	8.65E-03
4885	476363.09	3862377.25	0.00172	0.00121	0.00101	0.00147	0.00186	0.00172	0.00118	0.00121	8.25E-03	5.15E-05	2.42E-09	3.56E-05	4.01E-04	1.11E-04	1.93E-04	1.90E-04	8.86E-03
4886	476863.09	3862377.25	0.00176	0.00123	0.00104	0.0015	0.00187	0.00178	0.0012	0.00123	8.45E-03	5.23E-05	2.49E-09	3.63E-05	4.03E-04	1.15E-04	1.96E-04	1.93E-04	9.06E-03
4887	477363.09	3862377.25	0.00183	0.00124	0.00103	0.00151	0.00181	0.0018	0.00121	0.00124	8.78E-03	5.28E-05	2.47E-09	3.66E-05	3.90E-04	1.16E-04	1.98E-04	1.94E-04	9.38E-03
4888	477863.09	3862377.25	0.00193	0.00114	0.00085	0.00146	0.00165	0.00165	0.00114	0.00114	9.26E-03	4.85E-05	2.04E-09	3.54E-05	3.56E-04	1.07E-04	1.86E-04	1.79E-04	9.82E-03
4889	478363.09	3862377.25	0.00192	0.00103	0.00079	0.00139	0.00161	0.00152	0.00106	0.00103	9.21E-03	4.38E-05	1.89E-09	3.37E-05	3.47E-04	9.83E-05	1.73E-04	1.61E-04	9.75E-03
4890	478863.09	3862377.25	0.00197	0.00105	0.00083	0.00148	0.00181	0.0016	0.00108	0.00105	9.45E-03	4.47E-05	1.99E-09	3.59E-05	3.90E-04	1.04E-04	1.76E-04	1.64E-04	1.00E-02
4891	479363.09	3862377.25	0.00204	0.00114	0.0009	0.00164	0.00214	0.00175	0.00116	0.00114	9.79E-03	4.85E-05	2.16E-09	3.97E-05	4.62E-04	1.13E-04	1.89E-04	1.79E-04	1.05E-02
4892	479863.09	3862377.25	0.00204	0.00137	0.00108	0.00189	0.00238	0.00217	0.00134	0.00137	9.79E-03	5.83E-05	2.59E-09	4.58E-05	5.13E-04	1.40E-04	2.19E-04	2.15E-04	1.06E-02
4893	480363.09	3862377.25	0.00199	0.00147	0.00125	0.00201	0.0024	0.00238	0.00142	0.00147	9.55E-03	6.25E-05	3.00E-09	4.87E-05	5.18E-04	1.54E-04	2.32E-04	2.30E-04	1.03E-02
4894	480863.09	3862377.25	0.00199	0.00152	0.00138	0.00209	0.00242	0.00249	0.00146	0.00152	9.55E-03	6.47E-05	3.31E-09	5.06E-05	5.22E-04	1.61E-04	2.38E-04	2.38E-04	1.03E-02
4895	481363.09	3862377.25	0.00199	0.00157	0.0014	0.00215	0.00244	0.0026	0.00151	0.00157	9.55E-03	6.68E-05	3.36E-09	5.21E-05	5.26E-04	1.68E-04	2.46E-04	2.46E-04	1.04E-02
4896	481863.09	3862377.25	0.00201	0.00164	0.00149	0.00222	0.00237	0.00271	0.00156	0.00164	9.65E-03	6.98E-05	3.57E-09	5.38E-05	5.11E-04	1.75E-04	2.55E-04	2.57E-04	1.05E-02
4897	482363.09	3862377.25	0.00205	0.00169	0.0017	0.00232	0.00219	0.00281	0.00161	0.00169	9.84E-03	7.19E-05	4.08E-09	5.62E-05	4.72E-04	1.82E-04	2.63E-04	2.65E-04	1.06E-02
4898	482863.09	3862377.25	0.00208	0.00173	0.00166	0.00245	0.00195	0.0029	0.00165	0.00173	9.98E-03	7.36E-05	3.98E-09	5.94E-05	4.21E-04	1.88E-04	2.69E-04	2.71E-04	1.07E-02

4899	483363.09	3862377.25	0.0021	0.00178	0.00152	0.00259	0.00181	0.003	0.0017	0.00178	1.01E-02	7.57E-05	3.65E-09	6.27E-05	3.90E-04	1.94E-04	2.77E-04	2.79E-04	1.08E-02
4900	483863.09	3862377.25	0.00207	0.00183	0.00157	0.00274	0.0019	0.00313	0.00176	0.00183	9.93E-03	7.79E-05	3.77E-09	6.64E-05	4.10E-04	2.03E-04	2.87E-04	2.87E-04	1.07E-02
4901	484363.09	3862377.25	0.00207	0.00189	0.00164	0.00288	0.00223	0.00325	0.00183	0.00189	9.93E-03	8.04E-05	3.93E-09	6.98E-05	4.81E-04	2.10E-04	2.99E-04	2.96E-04	1.08E-02
4902	484863.09	3862377.25	0.00204	0.00197	0.00167	0.00303	0.00231	0.00337	0.0019	0.00197	9.79E-03	8.38E-05	4.01E-09	7.34E-05	4.98E-04	2.18E-04	3.10E-04	3.09E-04	1.07E-02
4903	485363.09	3862377.25	0.00199	0.00203	0.00152	0.00319	0.0019	0.00343	0.00196	0.00203	9.55E-03	8.64E-05	3.65E-09	7.73E-05	4.10E-04	2.22E-04	3.20E-04	3.18E-04	1.03E-02
4904	485863.09	3862377.25	0.00193	0.00209	0.00154	0.00339	0.00145	0.0035	0.00203	0.00209	9.26E-03	8.89E-05	3.69E-09	8.21E-05	3.13E-04	2.26E-04	3.31E-04	3.27E-04	9.98E-03
4905	486363.09	3862377.25	0.00192	0.00217	0.00159	0.00361	0.00124	0.00356	0.00212	0.00217	9.21E-03	9.23E-05	3.81E-09	8.75E-05	2.67E-04	2.30E-04	3.46E-04	3.40E-04	9.90E-03
4906	486863.09	3862377.25	0.00191	0.00229	0.00176	0.00401	0.00135	0.00362	0.00222	0.00229	9.17E-03	9.74E-05	4.22E-09	9.71E-05	2.91E-04	2.34E-04	3.62E-04	3.59E-04	9.89E-03
4907	487363.09	3862377.25	0.00188	0.00243	0.0017	0.0047	0.0017	0.00372	0.00234	0.00243	9.02E-03	1.03E-04	4.08E-09	1.14E-04	3.67E-04	2.41E-04	3.82E-04	3.81E-04	9.85E-03
4908	487863.09	3862377.25	0.00188	0.00257	0.00187	0.00579	0.00126	0.0036	0.00247	0.00257	9.02E-03	1.09E-04	4.48E-09	1.40E-04	2.72E-04	2.33E-04	4.03E-04	4.03E-04	9.78E-03
4909	488363.09	3862377.25	0.00188	0.00271	0.00178	0.00818	0.00091	0.00375	0.00261	0.00271	9.02E-03	1.15E-04	4.27E-09	1.98E-04	1.96E-04	2.43E-04	4.26E-04	4.25E-04	9.78E-03
4910	488863.09	3862377.25	0.00211	0.00289	0.00156	0.0182	0.00097	0.00403	0.00277	0.00289	1.01E-02	1.23E-04	3.74E-09	4.41E-04	2.09E-04	2.61E-04	4.52E-04	4.53E-04	1.12E-02
4911	489363.09	3862377.25	0.00241	0.00308	0.00174	0.0981	0.00097	0.00422	0.00297	0.00308	1.16E-02	1.31E-04	4.17E-09	2.38E-03	2.09E-04	2.73E-04	4.85E-04	4.82E-04	1.46E-02
4912	489863.09	3862377.25	0.00256	0.00328	0.00163	0.02682	0.00106	0.00427	0.0032	0.00328	1.23E-02	1.40E-04	3.91E-09	6.50E-04	2.29E-04	2.76E-04	5.22E-04	5.14E-04	1.36E-02
4913	490363.09	3862377.25	0.00256	0.0035	0.00138	0.01659	0.00204	0.00426	0.00348	0.0035	1.23E-02	1.49E-04	3.31E-09	4.02E-04	4.40E-04	2.76E-04	5.68E-04	5.48E-04	1.36E-02
4914	490863.09	3862377.25	0.0024	0.0038	0.00144	0.01246	0.00274	0.00424	0.00381	0.0038	1.15E-02	1.62E-04	3.45E-09	3.02E-04	5.91E-04	2.74E-04	6.22E-04	5.95E-04	1.29E-02
4915	491363.09	3862377.25	0.00232	0.0042	0.0017	0.01022	0.00268	0.00421	0.00417	0.0042	1.11E-02	1.79E-04	4.08E-09	2.48E-04	5.78E-04	2.72E-04	6.81E-04	6.58E-04	1.24E-02
4916	491863.09	3862377.25	0.00231	0.00467	0.00164	0.00865	0.00227	0.00411	0.00459	0.00467	1.11E-02	1.99E-04	3.93E-09	2.10E-04	4.90E-04	2.66E-04	7.49E-04	7.32E-04	1.23E-02
4917	492363.09	3862377.25	0.00237	0.00523	0.0016	0.00758	0.00177	0.00402	0.00518	0.00523	1.14E-02	2.23E-04	3.84E-09	1.84E-04	3.82E-04	2.60E-04	8.46E-04	8.19E-04	1.24E-02
4918	492863.09	3862377.25	0.00242	0.00599	0.00156	0.00691	0.00163	0.00412	0.006	0.00599	1.16E-02	2.55E-04	3.74E-09	1.67E-04	3.52E-04	2.67E-04	9.79E-04	9.38E-04	1.27E-02
4919	493363.09	3862377.25	0.00242	0.00697	0.00149	0.00629	0.0018	0.0041	0.00697	0.00697	1.16E-02	2.97E-04	3.57E-09	1.52E-04	3.88E-04	2.65E-04	1.14E-03	1.09E-03	1.28E-02
4920	493863.09	3862377.25	0.00244	0.00817	0.00147	0.00566	0.00182	0.00403	0.00814	0.00817	1.17E-02	3.48E-04	3.53E-09	1.37E-04	3.93E-04	2.61E-04	1.33E-03	1.28E-03	1.29E-02
4921	494363.09	3862377.25	0.00248	0.00991	0.00157	0.00528	0.00174	0.00398	0.00989	0.00991	1.19E-02	4.22E-04	3.77E-09	1.28E-04	3.75E-04	2.58E-04	1.61E-03	1.55E-03	1.31E-02
4922	494863.09	3862377.25	0.0025	0.0124	0.00163	0.00506	0.0018	0.0039	0.01244	0.0124	1.20E-02	5.28E-04	3.91E-09	1.23E-04	3.88E-04	2.52E-04	2.03E-03	1.94E-03	1.34E-02
4923	495363.09	3862377.25	0.00246	0.01611	0.0016	0.00474	0.00196	0.00381	0.01622	0.01611	1.18E-02	6.85E-04	3.84E-09	1.15E-04	4.23E-04	2.47E-04	2.65E-03	2.52E-03	1.34E-02
4924	495863.09	3862377.25	0.00242	0.02405	0.00158	0.00438	0.00208	0.00376	0.02427	0.02405	1.16E-02	1.02E-03	3.79E-09	1.06E-04	4.49E-04	2.43E-04	3.96E-03	3.77E-03	1.36E-02
4925	496363.09	3862377.25	0.00241	0.04768	0.0016	0.00412	0.0021	0.00369	0.04801	0.04768	1.16E-02	2.03E-03	3.84E-09	9.98E-05	4.53E-04	2.39E-04	7.84E-03	7.47E-03	1.48E-02
4926	496863.09	3862377.25	0.00242	0.41761	0.00165	0.00402	0.002	0.00372	0.40706	0.41761	1.16E-02	1.78E-02	3.96E-09	9.74E-05	4.31E-04	2.41E-04	6.64E-02	6.54E-02	3.12E-02
4927	497363.09	3862377.25	0.00241	0.24763	0.00166	0.00389	0.0018	0.0037	0.24974	0.24763	1.16E-02	1.05E-02	3.98E-09	9.42E-05	3.88E-04	2.39E-04	4.08E-02	3.88E-02	2.48E-02
4928	497863.09	3862377.25	0.00242	0.65107	0.00166	0.00376	0.00164	0.00368	0.69964	0.65107	1.16E-02	2.77E-02	3.98E-09	9.11E-05	3.54E-04	2.38E-04	1.14E-01	1.02E-01	5.22E-02
4929	498363.09	3862377.25	0.00241	0.08557	0.00164	0.00362	0.00158	0.00364	0.08487	0.08557	1.16E-02	3.64E-03	3.93E-09	8.77E-05	3.41E-04	2.36E-04	1.39E-02	1.34E-02	1.63E-02
4930	471363.09	3862877.25	0.00128	0.00097	0.00067	0.00108	0.00111	0.00122	0.00095	0.00097	6.14E-03	4.13E-05	1.61E-09	2.62E-05	2.39E-04	7.89E-05	1.55E-04	1.52E-04	6.53E-03
4931	471863.09	3862877.25	0.00131	0.00099	0.00068	0.00112	0.00117	0.00125	0.00097	0.00099	6.29E-03	4.21E-05	1.63E-09	2.71E-05	2.52E-04	8.09E-05	1.58E-04	1.55E-04	6.69E-03
4932	472363.09	3862877.25	0.00134	0.00101	0.0007	0.00115	0.00124	0.00129	0.00099	0.00101	6.43E-03	4.30E-05	1.68E-09	2.79E-05	2.67E-04	8.35E-05	1.62E-04	1.58E-04	6.86E-03
4933	472863.09	3862877.25	0.00138	0.00103	0.00074	0.00119	0.00133	0.00133	0.001	0.00103	6.62E-03	4.38E-05	1.77E-09	2.88E-05	2.87E-04	8.61E-05	1.63E-04	1.61E-04	7.07E-03
4934	473363.09	3862877.25	0.00141	0.00105	0.00079	0.00122	0.00143	0.00137	0.00102	0.00105	6.77E-03	4.47E-05	1.89E-09	2.96E-05	3.08E-04	8.86E-05	1.66E-04	1.64E-04	7.24E-03
4935	473863.09	3862877.25	0.00145	0.00106	0.00084	0.00125	0.00152	0.00141	0.00104	0.00106	6.96E-03	4.51E-05	2.01E-09	3.03E-05	3.28E-04	9.12E-05	1.70E-04	1.66E-04	7.46E-03
4936	474363.09	3862877.25	0.00148	0.00108	0.00087	0.00128	0.0016	0.00146	0.00105	0.00108	7.10E-03	4.60E-05	2.09E-09	3.10E-05	3.45E-04	9.45E-05	1.71E-04	1.69E-04	7.62E-03
4937	474863.09	3862877.25	0.00151	0.0011	0.00089	0.0013	0.00165	0.00151	0.00107	0.0011	7.25E-03	4.68E-05	2.13E-09	3.15E-05	3.56E-04	9.77E-05	1.75E-04	1.72E-04	7.78E-03
4938	475363.09	3862877.25	0.00153	0.00113	0.00091	0.00132	0.00165	0.00157	0.0011	0.00113	7.34E-03	4.81E-05	2.18E-09	3.20E-05	3.56E-04	1.02E-04	1.80E-04	1.77E-04	7.88E-03
4939	475863.09	3862877.25	0.00156	0.00115	0.00094	0.00134	0.00164	0.00163	0.00112	0.00115	7.49E-03	4.89E-05	2.25E-09	3.25E-05	3.54E-04	1.05E-04	1.83E-04	1.80E-04	8.03E-03
4940	476363.09	3862877.25	0.00158	0.00118	0.00097	0.00138	0.00163	0.00168	0.00114	0.00118	7.58E-03	5.02E-05	2.33E-09	3.34E-05	3.52E-04	1.09E-04	1.86E-04	1.85E-04	8.13E-03
4941	476863.09	3862877.25	0.00162	0.00119	0.00098	0.00143	0.00165	0.00173	0.00116	0.00119	7.77E-03	5.06E-05	2.35E-09	3.46E-05	3.56E-04	1.12E-04	1.89E-04	1.86E-04	8.33E-03
4942	477363.09	3862877.25	0.00167	0.00121	0.00096	0.00148	0.00171	0.00177	0.00118	0.00121	8.01E-03	5.15E-05	2.30E-09	3.59E-05	3.69E-04	1.15E-04	1.93E-04	1.90E-04	8.59E-03
4943	477863.09	3862877.25	0.00175	0.00118	0.00095	0.00152	0.00172	0.00176	0.00116	0.00118	8.40E-03	5.02E-05	2.28E-09	3.68E-05	3.71E-04	1.14E-04	1.89E-04	1.85E-04	8.97E-03
4944	478363.09	3862877.25	0.00179	0.00108	0.00086	0.00148	0.00185	0.00162	0.00109	0.00108	8.59E-03	4.60E-05	2.06E-09	3.59E-05	3.99E-04	1.05E-04	1.78E-04	1.69E-04	9.18E-03
4945	478863.09	3862877.25	0.00182	0.00109	0.00085	0.00154	0.00203	0.00168	0.0011	0.00109	8.73E-03	4.64E-05	2.04E-09	3.73E-05	4.38E-04	1.09E-04	1.80E-04	1.71E-04	9.37E-03
4946	479363.09	3862877.25	0.00186	0.00112	0.00091	0.00162	0.0021	0.00175	0.00113	0.00112	8.93E-03	4.77E-05	2.18E-09	3.92E-05	4.53E-04	1.13E-04	1.84E-04	1.75E-04	9.59E-03
4947	479863.09	3862877.25	0.00178	0.00135	0.00114	0.00182	0.00215	0.00213	0.00131	0.00135	8.54E-03	5.74E-05	2.73E-09	4.41E-05	4.64E-04	1.38E-04	2.14E-04	2.11E-04	9.25E-03
4948	480363.09	3862877.25	0.00176	0.00141	0.00129	0.00187	0.00214	0.00223	0.00135	0.00141	8.45E-03	6.00E-05	3.09E-09	4.53E-05	4.62E-04	1.44E-04	2.20E-04	2.21E-04	9.16E-03
4949	480863.09	3862877.25	0.00176	0.00144	0.00135	0.00192	0.00215	0.00229	0.00139	0.00144	8.45E-03	6.13E-05	3.24E-09	4.65E-05	4.64E-04	1.48E-04	2.27E-04	2.26E-04	9.17E-03
4950	481363.09	3862877.25	0.00174	0.0015	0.00139	0.00197	0.00207	0.00237	0.00144	0.0015	8.35E-03	6.38E-05	3.33E-09	4.77E-05	4.46E-04	1.53E-04	2.35E-04	2.35E-04	9.06E-03
4951	481863.09	3862877.25	0.0018	0.00155	0.00143	0.00206	0.00193	0.00245	0.00148	0.00155	8.64E-03	6.60E-05	3.43E-09	4.99E-05	4.16E-04	1.59E-04	2.42E-04	2.43E-04	9.33E-03
4952	482363.09	3862877.25	0.00179	0.00159	0.0015	0.00217	0.00169	0.00254	0.00153	0.00159	8.59E-03	6.77E-05	3.60E-09	5.26E-05	3.64E-04	1.64E-04	2.50E-04	2.49E-04	9.24E-03
4953	482863.09	3862877.25	0.00181	0.00163	0.00137	0.0023	0.00155	0.0026	0.00157	0.00163	8.69E-03	6.94E-05	3.29E-09	5.57E-05	3.34E-04	1.68E-04	2.56E-04	2.55E-04	9.31E-03
4954	483363.09	3862877.25	0.00181	0.00168	0.00129	0.0024	0.00159	0.00267	0.00161	0.00168	8.69E-03	7.15E-05	3.09E-09	5.81E-05	3.43E-04	1.73E-04	2.63E-04	2.63E-04	9.33E-03
4955	483863.09	3862877.25	0.00177	0.00172	0.00145	0.00249	0.00184	0.00275	0.00166	0.00172	8.49E-03	7.32E-05	3.48E-09	6.03E-05	3.97E-04	1.78E-04	2.71E-04	2.69E-04	9.20E-03

4956	484363.09	3862877.25	0.00175	0.00178	0.00151	0.00259	0.00206	0.00283	0.00172	0.00178	8.40E-03	7.57E-05	3.62E-09	6.27E-05	4.44E-04	1.83E-04	2.81E-04	2.79E-04	9.17E-03
4957	484863.09	3862877.25	0.00169	0.00184	0.00144	0.00269	0.00187	0.00289	0.00179	0.00184	8.11E-03	7.83E-05	3.45E-09	6.52E-05	4.03E-04	1.87E-04	2.92E-04	2.88E-04	8.85E-03
4958	485363.09	3862877.25	0.00163	0.0019	0.0014	0.0028	0.00144	0.0029	0.00185	0.0019	7.82E-03	8.08E-05	3.36E-09	6.78E-05	3.11E-04	1.88E-04	3.02E-04	2.98E-04	8.47E-03
4959	485863.09	3862877.25	0.00155	0.00196	0.00141	0.00294	0.00117	0.00294	0.00191	0.00196	7.44E-03	8.34E-05	3.38E-09	7.12E-05	2.52E-04	1.90E-04	3.12E-04	3.07E-04	8.04E-03
4960	486363.09	3862877.25	0.00151	0.00202	0.00134	0.00317	0.00106	0.00301	0.00198	0.00202	7.25E-03	8.59E-05	3.21E-09	7.68E-05	2.29E-04	1.95E-04	3.23E-04	3.16E-04	7.84E-03
4961	486863.09	3862877.25	0.00146	0.00211	0.00147	0.00356	0.00125	0.00303	0.00206	0.00211	7.01E-03	8.98E-05	3.53E-09	8.62E-05	2.70E-04	1.96E-04	3.36E-04	3.31E-04	7.65E-03
4962	487363.09	3862877.25	0.00147	0.00222	0.00157	0.00409	0.00154	0.00303	0.00216	0.00222	7.05E-03	9.45E-05	3.77E-09	9.91E-05	3.32E-04	1.96E-04	3.53E-04	3.48E-04	7.78E-03
4963	487863.09	3862877.25	0.00148	0.00234	0.00164	0.00505	0.0011	0.00298	0.00226	0.00234	7.10E-03	9.96E-05	3.93E-09	1.22E-04	2.37E-04	1.93E-04	3.69E-04	3.67E-04	7.76E-03
4964	488363.09	3862877.25	0.0015	0.00245	0.00145	0.00727	0.0008	0.00304	0.00237	0.00245	7.20E-03	1.04E-04	3.48E-09	1.76E-04	1.73E-04	1.97E-04	3.87E-04	3.84E-04	7.85E-03
4965	488863.09	3862877.25	0.00162	0.00258	0.00127	0.01705	0.00081	0.00318	0.00248	0.00258	7.77E-03	1.10E-04	3.05E-09	4.13E-04	1.75E-04	2.06E-04	4.05E-04	4.04E-04	8.68E-03
4966	489363.09	3862877.25	0.00188	0.00273	0.00146	0.09675	0.00089	0.00345	0.00263	0.00273	9.02E-03	1.16E-04	3.50E-09	2.34E-03	1.92E-04	2.23E-04	4.29E-04	4.28E-04	1.19E-02
4967	489863.09	3862877.25	0.00209	0.00289	0.00144	0.02555	0.00077	0.00356	0.00281	0.00289	1.00E-02	1.23E-04	3.45E-09	6.19E-04	1.66E-04	2.30E-04	4.59E-04	4.53E-04	1.12E-02
4968	490363.09	3862877.25	0.00214	0.00305	0.00119	0.01515	0.00131	0.00349	0.003	0.00305	1.03E-02	1.30E-04	2.85E-09	3.67E-04	2.83E-04	2.26E-04	4.90E-04	4.78E-04	1.13E-02
4969	490863.09	3862877.25	0.00204	0.00322	0.00118	0.01098	0.00217	0.00341	0.00323	0.00322	9.79E-03	1.37E-04	2.83E-09	2.66E-04	4.68E-04	2.21E-04	5.27E-04	5.04E-04	1.09E-02
4970	491363.09	3862877.25	0.00192	0.00343	0.00138	0.00876	0.00247	0.00339	0.00345	0.00343	9.21E-03	1.46E-04	3.31E-09	2.12E-04	5.33E-04	2.19E-04	5.63E-04	5.37E-04	1.03E-02
4971	491863.09	3862877.25	0.00185	0.00371	0.00141	0.00724	0.00227	0.0033	0.00369	0.00371	8.88E-03	1.58E-04	3.38E-09	1.75E-04	4.90E-04	2.14E-04	6.02E-04	5.81E-04	9.94E-03
4972	492363.09	3862877.25	0.00186	0.00401	0.0014	0.00628	0.00191	0.00328	0.00394	0.00401	8.93E-03	1.71E-04	3.36E-09	1.52E-04	4.12E-04	2.12E-04	6.43E-04	6.28E-04	9.89E-03
4973	492863.09	3862877.25	0.00192	0.00436	0.00136	0.00558	0.00149	0.00323	0.00431	0.00436	9.21E-03	1.86E-04	3.26E-09	1.35E-04	3.21E-04	2.09E-04	7.04E-04	6.83E-04	1.01E-02
4974	493363.09	3862877.25	0.00194	0.00479	0.00134	0.00516	0.00141	0.00321	0.0048	0.00479	9.31E-03	2.04E-04	3.21E-09	1.25E-04	3.04E-04	2.08E-04	7.83E-04	7.50E-04	1.02E-02
4975	493863.09	3862877.25	0.00195	0.00521	0.00129	0.0048	0.00157	0.00324	0.00521	0.00521	9.36E-03	2.22E-04	3.09E-09	1.16E-04	3.39E-04	2.10E-04	8.50E-04	8.16E-04	1.03E-02
4976	494363.09	3862877.25	0.00196	0.00579	0.00123	0.00438	0.00161	0.0032	0.00575	0.00579	9.41E-03	2.46E-04	2.95E-09	1.06E-04	3.47E-04	2.07E-04	9.39E-04	9.07E-04	1.03E-02
4977	494863.09	3862877.25	0.00198	0.00662	0.00127	0.00408	0.00151	0.00309	0.00657	0.00662	9.50E-03	2.82E-04	3.05E-09	9.88E-05	3.26E-04	2.00E-04	1.07E-03	1.04E-03	1.04E-02
4978	495363.09	3862877.25	0.00201	0.00753	0.00136	0.00392	0.00151	0.00307	0.00749	0.00753	9.65E-03	3.20E-04	3.26E-09	9.50E-05	3.26E-04	1.99E-04	1.22E-03	1.18E-03	1.06E-02
4979	495863.09	3862877.25	0.00201	0.00849	0.00139	0.00379	0.00164	0.00307	0.00849	0.00849	9.65E-03	3.61E-04	3.33E-09	9.18E-05	3.54E-04	1.99E-04	1.39E-03	1.33E-03	1.07E-02
4980	496363.09	3862877.25	0.00199	0.00961	0.00136	0.0036	0.00177	0.00303	0.00965	0.00961	9.55E-03	4.09E-04	3.26E-09	8.72E-05	3.82E-04	1.96E-04	1.58E-03	1.51E-03	1.07E-02
4981	496863.09	3862877.25	0.00196	0.01108	0.00133	0.00336	0.00185	0.00295	0.01114	0.01108	9.41E-03	4.71E-04	3.19E-09	8.14E-05	3.99E-04	1.91E-04	1.82E-03	1.74E-03	1.06E-02
4982	497363.09	3862877.25	0.00194	0.01206	0.00133	0.00318	0.00182	0.00289	0.01213	0.01206	9.31E-03	5.13E-04	3.19E-09	7.70E-05	3.93E-04	1.87E-04	1.98E-03	1.89E-03	1.06E-02
4983	497863.09	3862877.25	0.00194	0.01207	0.00135	0.00309	0.0017	0.00288	0.01212	0.01207	9.31E-03	5.14E-04	3.24E-09	7.49E-05	3.67E-04	1.86E-04	1.98E-03	1.89E-03	1.05E-02
4984	498363.09	3862877.25	0.00196	0.0116	0.00137	0.00304	0.00154	0.00291	0.01164	0.0116	9.41E-03	4.94E-04	3.29E-09	7.36E-05	3.32E-04	1.88E-04	1.90E-03	1.82E-03	1.06E-02
4985	471363.09	3863377.25	0.00123	0.00095	0.00064	0.00107	0.00117	0.00119	0.00093	0.00095	5.90E-03	4.04E-05	1.53E-09	2.59E-05	2.52E-04	7.70E-05	1.52E-04	1.49E-04	6.30E-03
4986	471863.09	3863377.25	0.00125	0.00097	0.00066	0.0011	0.00125	0.00123	0.00095	0.00097	6.00E-03	4.13E-05	1.58E-09	2.66E-05	2.70E-04	7.96E-05	1.55E-04	1.52E-04	6.42E-03
4987	472363.09	3863377.25	0.00128	0.00098	0.0007	0.00112	0.00133	0.00127	0.00096	0.00098	6.14E-03	4.17E-05	1.68E-09	2.71E-05	2.87E-04	8.22E-05	1.57E-04	1.54E-04	6.58E-03
4988	472863.09	3863377.25	0.00131	0.001	0.00076	0.00114	0.0014	0.00131	0.00098	0.001	6.29E-03	4.25E-05	1.82E-09	2.76E-05	3.02E-04	8.48E-05	1.60E-04	1.57E-04	6.75E-03
4989	473363.09	3863377.25	0.00133	0.00102	0.00081	0.00115	0.00145	0.00135	0.00099	0.00102	6.38E-03	4.34E-05	1.94E-09	2.79E-05	3.13E-04	8.73E-05	1.62E-04	1.60E-04	6.86E-03
4990	473863.09	3863377.25	0.00136	0.00104	0.00083	0.00117	0.00148	0.0014	0.00101	0.00104	6.53E-03	4.43E-05	1.99E-09	2.83E-05	3.19E-04	9.06E-05	1.65E-04	1.63E-04	7.01E-03
4991	474363.09	3863377.25	0.00138	0.00105	0.00084	0.00119	0.00148	0.00144	0.00103	0.00105	6.62E-03	4.47E-05	2.01E-09	2.88E-05	3.19E-04	9.32E-05	1.68E-04	1.64E-04	7.11E-03
4992	474863.09	3863377.25	0.00139	0.00107	0.00086	0.00122	0.00145	0.00148	0.00104	0.00107	6.67E-03	4.55E-05	2.06E-09	2.96E-05	3.13E-04	9.58E-05	1.70E-04	1.68E-04	7.16E-03
4993	475363.09	3863377.25	0.00142	0.00109	0.00088	0.00125	0.00144	0.00152	0.00106	0.00109	6.81E-03	4.64E-05	2.11E-09	3.03E-05	3.11E-04	9.83E-05	1.73E-04	1.71E-04	7.30E-03
4994	475863.09	3863377.25	0.00144	0.00111	0.00089	0.0013	0.00145	0.00156	0.00108	0.00111	6.91E-03	4.72E-05	2.13E-09	3.15E-05	3.13E-04	1.01E-04	1.76E-04	1.74E-04	7.41E-03
4995	476363.09	3863377.25	0.00145	0.00114	0.0009	0.00135	0.00148	0.00161	0.0011	0.00114	6.96E-03	4.85E-05	2.16E-09	3.27E-05	3.19E-04	1.04E-04	1.80E-04	1.79E-04	7.46E-03
4996	476863.09	3863377.25	0.00147	0.00116	0.0009	0.0014	0.00156	0.00165	0.00112	0.00116	7.05E-03	4.94E-05	2.16E-09	3.39E-05	3.36E-04	1.07E-04	1.83E-04	1.82E-04	7.58E-03
4997	477363.09	3863377.25	0.0015	0.00118	0.00093	0.00146	0.00167	0.0017	0.00114	0.00118	7.20E-03	5.02E-05	2.23E-09	3.54E-05	3.60E-04	1.10E-04	1.86E-04	1.85E-04	7.76E-03
4998	477863.09	3863377.25	0.00155	0.00118	0.00097	0.00152	0.0018	0.00174	0.00115	0.00118	7.44E-03	5.02E-05	2.33E-09	3.68E-05	3.88E-04	1.13E-04	1.88E-04	1.85E-04	8.03E-03
4999	478363.09	3863377.25	0.00162	0.00113	0.00091	0.00154	0.00193	0.00172	0.00112	0.00113	7.77E-03	4.81E-05	2.18E-09	3.73E-05	4.16E-04	1.11E-04	1.83E-04	1.77E-04	8.39E-03
5000	478863.09	3863377.25	0.00163	0.00116	0.00096	0.00159	0.00193	0.00178	0.00114	0.00116	7.82E-03	4.94E-05	2.30E-09	3.85E-05	4.16E-04	1.15E-04	1.86E-04	1.82E-04	8.45E-03
5001	479363.09	3863377.25	0.00161	0.00124	0.00106	0.00164	0.00195	0.00189	0.00121	0.00124	7.73E-03	5.28E-05	2.54E-09	3.97E-05	4.21E-04	1.22E-04	1.98E-04	1.94E-04	8.36E-03
5002	479863.09	3863377.25	0.00157	0.00131	0.00118	0.00168	0.00191	0.002	0.00127	0.00131	7.53E-03	5.57E-05	2.83E-09	4.07E-05	4.12E-04	1.29E-04	2.07E-04	2.05E-04	8.17E-03
5003	480363.09	3863377.25	0.00156	0.00135	0.00126	0.00173	0.0019	0.00207	0.0013	0.00135	7.49E-03	5.74E-05	3.02E-09	4.19E-05	4.10E-04	1.34E-04	2.12E-04	2.11E-04	8.13E-03
5004	480863.09	3863377.25	0.00156	0.00138	0.0013	0.0018	0.00184	0.00211	0.00134	0.00138	7.49E-03	5.87E-05	3.12E-09	4.36E-05	3.97E-04	1.37E-04	2.19E-04	2.16E-04	8.12E-03
5005	481363.09	3863377.25	0.00154	0.00143	0.00125	0.00187	0.00167	0.00216	0.00138	0.00143	7.39E-03	6.08E-05	3.00E-09	4.53E-05	3.60E-04	1.40E-04	2.25E-04	2.24E-04	8.00E-03
5006	481863.09	3863377.25	0.00156	0.00148	0.00124	0.00196	0.00148	0.00222	0.00142	0.00148	7.49E-03	6.30E-05	2.97E-09	4.75E-05	3.19E-04	1.44E-04	2.32E-04	2.32E-04	8.06E-03
5007	482363.09	3863377.25	0.00157	0.00152	0.00128	0.00206	0.00135	0.00226	0.00146	0.00152	7.53E-03	6.47E-05	3.07E-09	4.99E-05	2.91E-04	1.46E-04	2.38E-04	2.38E-04	8.09E-03
5008	482863.09	3863377.25	0.00156	0.00155	0.00117	0.00214	0.00135	0.00232	0.0015	0.00155	7.49E-03	6.60E-05	2.81E-09	5.18E-05	2.91E-04	1.50E-04	2.45E-04	2.43E-04	8.05E-03
5009	483363.09	3863377.25	0.00156	0.00159	0.00121	0.0022	0.00153	0.00239	0.00154	0.00159	7.49E-03	6.77E-05	2.90E-09	5.33E-05	3.30E-04	1.55E-04	2.51E-04	2.49E-04	8.09E-03
5010	483863.09	3863377.25	0.00153	0.00163	0.00139	0.00228	0.00177	0.00245	0.00158	0.00163	7.34E-03	6.94E-05	3.33E-09	5.52E-05	3.82E-04	1.59E-04	2.58E-04	2.55E-04	8.01E-03
5011	484363.09	3863377.25	0.00147	0.00168	0.00136	0.00235	0.00179	0.00249	0.00164	0.00168	7.05E-03	7.15E-05	3.26E-09	5.69E-05	3.86E-04	1.61E-04	2.68E-04	2.63E-04	7.73E-03
5012	484863.09	3863377.25	0.00141	0.00174	0.00134	0.00242	0.00146	0.00252	0.00169	0.00174	6.77E-03	7.40E-05	3.21E-09	5.86E-05	3.15E-04	1.63E-04	2.76E-04	2.73E-04	7.38E-03

5013	485363.09	3863377.25	0.00134	0.00179	0.00128	0.00249	0.00113	0.00252	0.00175	0.00179	6.43E-03	7.62E-05	3.07E-09	6.03E-05	2.44E-04	1.63E-04	2.86E-04	2.80E-04	6.98E-03
5014	485863.09	3863377.25	0.00129	0.00184	0.00117	0.00261	0.00099	0.00258	0.0018	0.00184	6.19E-03	7.83E-05	2.81E-09	6.32E-05	2.14E-04	1.67E-04	2.94E-04	2.88E-04	6.72E-03
5015	486363.09	3863377.25	0.00123	0.00188	0.00115	0.00283	0.00091	0.00261	0.00185	0.00188	5.90E-03	8.00E-05	2.76E-09	6.86E-05	1.96E-04	1.69E-04	3.02E-04	2.95E-04	6.42E-03
5016	486863.09	3863377.25	0.00118	0.00195	0.00135	0.0031	0.00121	0.00255	0.00191	0.00195	5.66E-03	8.30E-05	3.24E-09	7.51E-05	2.61E-04	1.65E-04	3.12E-04	3.05E-04	6.25E-03
5017	487363.09	3863377.25	0.00117	0.00203	0.00145	0.00345	0.0014	0.00256	0.00199	0.00203	5.61E-03	8.64E-05	3.48E-09	8.36E-05	3.02E-04	1.66E-04	3.25E-04	3.18E-04	6.26E-03
5018	487863.09	3863377.25	0.0012	0.00213	0.00136	0.0041	0.00097	0.00257	0.00207	0.00213	5.76E-03	9.06E-05	3.26E-09	9.93E-05	2.09E-04	1.66E-04	3.38E-04	3.34E-04	6.33E-03
5019	488363.09	3863377.25	0.00123	0.00222	0.00124	0.00541	0.00071	0.00258	0.00215	0.00222	5.90E-03	9.45E-05	2.97E-09	1.31E-04	1.53E-04	1.67E-04	3.51E-04	3.48E-04	6.45E-03
5020	488863.09	3863377.25	0.00131	0.00232	0.0011	0.01233	0.00068	0.00264	0.00224	0.00232	6.29E-03	9.87E-05	2.64E-09	2.99E-04	1.47E-04	1.71E-04	3.66E-04	3.63E-04	7.00E-03
5021	489363.09	3863377.25	0.00149	0.00242	0.00124	0.08537	0.00082	0.00284	0.00234	0.00242	7.15E-03	1.03E-04	2.97E-09	2.07E-03	1.77E-04	1.84E-04	3.82E-04	3.79E-04	9.69E-03
5022	489863.09	3863377.25	0.00172	0.00254	0.00123	0.01693	0.00066	0.00296	0.00246	0.00254	8.25E-03	1.08E-04	2.95E-09	4.10E-04	1.42E-04	1.92E-04	4.02E-04	3.98E-04	9.11E-03
5023	490363.09	3863377.25	0.00183	0.00266	0.00109	0.00959	0.00084	0.00297	0.0026	0.00266	8.78E-03	1.13E-04	2.61E-09	2.32E-04	1.81E-04	1.92E-04	4.24E-04	4.17E-04	9.51E-03
5024	490863.09	3863377.25	0.00182	0.00277	0.00104	0.00716	0.00157	0.00286	0.00275	0.00277	8.73E-03	1.18E-04	2.49E-09	1.73E-04	3.39E-04	1.85E-04	4.49E-04	4.34E-04	9.56E-03
5025	491363.09	3863377.25	0.00168	0.00289	0.00109	0.00591	0.0021	0.00276	0.00291	0.00289	8.06E-03	1.23E-04	2.61E-09	1.43E-04	4.53E-04	1.79E-04	4.75E-04	4.53E-04	8.98E-03
5026	491863.09	3863377.25	0.00157	0.00304	0.00124	0.00514	0.00212	0.00274	0.00306	0.00304	7.53E-03	1.29E-04	2.97E-09	1.25E-04	4.57E-04	1.77E-04	4.99E-04	4.76E-04	8.45E-03
5027	492363.09	3863377.25	0.00156	0.00318	0.00121	0.00469	0.00197	0.00282	0.00317	0.00318	7.49E-03	1.35E-04	2.90E-09	1.14E-04	4.25E-04	1.82E-04	5.17E-04	4.98E-04	8.36E-03
5028	492863.09	3863377.25	0.00162	0.00313	0.00127	0.00434	0.00168	0.00281	0.00307	0.00313	7.77E-03	1.33E-04	3.05E-09	1.05E-04	3.62E-04	1.82E-04	5.01E-04	4.90E-04	8.57E-03
5029	493363.09	3863377.25	0.0017	0.00299	0.00127	0.00402	0.00135	0.00273	0.00294	0.00299	8.16E-03	1.27E-04	3.05E-09	9.74E-05	2.91E-04	1.77E-04	4.80E-04	4.68E-04	8.86E-03
5030	493863.09	3863377.25	0.00172	0.00316	0.00124	0.00383	0.00129	0.00269	0.00316	0.00316	8.25E-03	1.34E-04	2.97E-09	9.28E-05	2.78E-04	1.74E-04	5.16E-04	4.95E-04	8.95E-03
5031	494363.09	3863377.25	0.00168	0.00352	0.00118	0.00368	0.00142	0.00272	0.00353	0.00352	8.06E-03	1.50E-04	2.83E-09	8.92E-05	3.06E-04	1.76E-04	5.76E-04	5.51E-04	8.81E-03
5032	494863.09	3863377.25	0.0017	0.00359	0.00112	0.00346	0.00148	0.00267	0.00356	0.00359	8.16E-03	1.53E-04	2.69E-09	8.38E-05	3.19E-04	1.73E-04	5.81E-04	5.62E-04	8.91E-03
5033	495363.09	3863377.25	0.00174	0.00353	0.00115	0.00328	0.00142	0.00265	0.00348	0.00353	8.35E-03	1.50E-04	2.76E-09	7.95E-05	3.06E-04	1.71E-04	5.68E-04	5.53E-04	9.07E-03
5034	495863.09	3863377.25	0.00179	0.00359	0.00125	0.00319	0.00139	0.00267	0.00353	0.00359	8.59E-03	1.53E-04	3.00E-09	7.73E-05	3.00E-04	1.73E-04	5.76E-04	5.62E-04	9.31E-03
5035	496363.09	3863377.25	0.00172	0.005	0.00123	0.00306	0.00141	0.00259	0.00497	0.005	8.25E-03	2.13E-04	2.95E-09	7.41E-05	3.04E-04	1.68E-04	8.11E-04	7.83E-04	9.04E-03
5036	496863.09	3863377.25	0.00168	0.00516	0.0012	0.00293	0.0015	0.00251	0.00515	0.00516	8.06E-03	2.20E-04	2.88E-09	7.10E-05	3.24E-04	1.62E-04	8.41E-04	8.08E-04	8.87E-03
5037	497363.09	3863377.25	0.00165	0.00508	0.00117	0.00279	0.0016	0.00245	0.00509	0.00508	7.92E-03	2.16E-04	2.81E-09	6.76E-05	3.45E-04	1.59E-04	8.31E-04	7.96E-04	8.74E-03
5038	497863.09	3863377.25	0.00163	0.00492	0.00114	0.00265	0.00164	0.0024	0.00494	0.00492	7.82E-03	2.09E-04	2.73E-09	6.42E-05	3.54E-04	1.55E-04	8.06E-04	7.71E-04	8.64E-03
5039	498363.09	3863377.25	0.00162	0.00488	0.00114	0.00254	0.0016	0.00237	0.0049	0.00488	7.77E-03	2.08E-04	2.73E-09	6.15E-05	3.45E-04	1.53E-04	8.00E-04	7.64E-04	8.58E-03
5040	471363.09	3863877.25	0.00117	0.00092	0.00064	0.00102	0.00125	0.00118	0.0009	0.00092	5.61E-03	3.91E-05	1.53E-09	2.47E-05	2.70E-04	7.63E-05	1.47E-04	1.44E-04	6.03E-03
5041	471863.09	3863877.25	0.0012	0.00094	0.00068	0.00103	0.00131	0.00122	0.00092	0.00094	5.76E-03	4.00E-05	1.63E-09	2.50E-05	2.83E-04	7.89E-05	1.50E-04	1.47E-04	6.19E-03
5042	472363.09	3863877.25	0.00122	0.00095	0.00073	0.00105	0.00134	0.00125	0.00093	0.00095	5.85E-03	4.04E-05	1.75E-09	2.54E-05	2.89E-04	8.09E-05	1.52E-04	1.49E-04	6.29E-03
5043	472863.09	3863877.25	0.00124	0.00097	0.00076	0.00107	0.00135	0.00128	0.00095	0.00097	5.95E-03	4.13E-05	1.82E-09	2.59E-05	2.91E-04	8.28E-05	1.55E-04	1.52E-04	6.39E-03
5044	473363.09	3863877.25	0.00125	0.00099	0.00078	0.00109	0.00133	0.00132	0.00096	0.00099	6.00E-03	4.21E-05	1.87E-09	2.64E-05	2.87E-04	8.54E-05	1.57E-04	1.55E-04	6.44E-03
5045	473863.09	3863877.25	0.00128	0.00101	0.00078	0.00112	0.00131	0.00135	0.00098	0.00101	6.14E-03	4.30E-05	1.87E-09	2.71E-05	2.83E-04	8.73E-05	1.60E-04	1.58E-04	6.58E-03
5046	474363.09	3863877.25	0.00129	0.00102	0.00079	0.00115	0.00129	0.00139	0.00099	0.00102	6.19E-03	4.34E-05	1.89E-09	2.79E-05	2.78E-04	8.99E-05	1.62E-04	1.60E-04	6.63E-03
5047	474863.09	3863877.25	0.00129	0.00104	0.00082	0.00119	0.00128	0.00142	0.00101	0.00104	6.19E-03	4.43E-05	1.97E-09	2.88E-05	2.76E-04	9.19E-05	1.65E-04	1.63E-04	6.63E-03
5048	475363.09	3863877.25	0.00131	0.00106	0.00083	0.00123	0.00132	0.00145	0.00103	0.00106	6.29E-03	4.51E-05	1.99E-09	2.98E-05	2.85E-04	9.38E-05	1.68E-04	1.66E-04	6.74E-03
5049	475863.09	3863877.25	0.00131	0.00108	0.00085	0.00128	0.00137	0.00149	0.00105	0.00108	6.29E-03	4.60E-05	2.04E-09	3.10E-05	2.95E-04	9.64E-05	1.71E-04	1.69E-04	6.76E-03
5050	476363.09	3863877.25	0.00133	0.0011	0.00086	0.00133	0.00146	0.00153	0.00107	0.0011	6.38E-03	4.68E-05	2.06E-09	3.22E-05	3.15E-04	9.90E-05	1.75E-04	1.72E-04	6.88E-03
5051	476863.09	3863877.25	0.00133	0.00112	0.0009	0.00137	0.00155	0.00158	0.00109	0.00112	6.38E-03	4.77E-05	2.16E-09	3.32E-05	3.34E-04	1.02E-04	1.78E-04	1.75E-04	6.90E-03
5052	477363.09	3863877.25	0.00136	0.00114	0.00095	0.00141	0.00164	0.00162	0.0011	0.00114	6.53E-03	4.85E-05	2.28E-09	3.42E-05	3.54E-04	1.05E-04	1.80E-04	1.79E-04	7.07E-03
5053	477863.09	3863877.25	0.0014	0.00115	0.00096	0.00144	0.00172	0.00166	0.00112	0.00115	6.72E-03	4.89E-05	2.30E-09	3.49E-05	3.71E-04	1.07E-04	1.83E-04	1.80E-04	7.28E-03
5054	478363.09	3863877.25	0.00146	0.00112	0.00093	0.00145	0.00173	0.00166	0.00111	0.00112	7.01E-03	4.77E-05	2.23E-09	3.51E-05	3.73E-04	1.07E-04	1.81E-04	1.75E-04	7.58E-03
5055	478863.09	3863877.25	0.00144	0.00119	0.001	0.00149	0.00174	0.00175	0.00116	0.00119	6.91E-03	5.06E-05	2.40E-09	3.61E-05	3.75E-04	1.13E-04	1.89E-04	1.86E-04	7.49E-03
5056	479363.09	3863877.25	0.00143	0.00123	0.00108	0.00154	0.00173	0.00182	0.00119	0.00123	6.86E-03	5.23E-05	2.59E-09	3.73E-05	3.73E-04	1.18E-04	1.94E-04	1.93E-04	7.44E-03
5057	479863.09	3863877.25	0.00142	0.00127	0.00114	0.00159	0.00171	0.00187	0.00123	0.00127	6.81E-03	5.40E-05	2.73E-09	3.85E-05	3.69E-04	1.21E-04	2.01E-04	1.99E-04	7.40E-03
5058	480363.09	3863877.25	0.00141	0.0013	0.00119	0.00166	0.00163	0.00189	0.00125	0.0013	6.77E-03	5.53E-05	2.85E-09	4.02E-05	3.52E-04	1.22E-04	2.04E-04	2.04E-04	7.34E-03
5059	480863.09	3863877.25	0.00138	0.00133	0.00115	0.00173	0.00149	0.00191	0.00129	0.00133	6.62E-03	5.66E-05	2.76E-09	4.19E-05	3.21E-04	1.24E-04	2.11E-04	2.08E-04	7.17E-03
5060	481363.09	3863877.25	0.00136	0.00137	0.00107	0.00179	0.00132	0.00195	0.00132	0.00137	6.53E-03	5.83E-05	2.57E-09	4.34E-05	2.85E-04	1.26E-04	2.15E-04	2.15E-04	7.04E-03
5061	481863.09	3863877.25	0.00137	0.00141	0.0011	0.00185	0.0012	0.00199	0.00136	0.00141	6.57E-03	6.00E-05	2.64E-09	4.48E-05	2.59E-04	1.29E-04	2.22E-04	2.21E-04	7.07E-03
5062	482363.09	3863877.25	0.00138	0.00144	0.00112	0.00191	0.00118	0.00205	0.00139	0.00144	6.62E-03	6.13E-05	2.69E-09	4.63E-05	2.54E-04	1.33E-04	2.27E-04	2.26E-04	7.12E-03
5063	482863.09	3863877.25	0.00137	0.00147	0.00105	0.00197	0.00129	0.00211	0.00142	0.00147	6.57E-03	6.25E-05	2.52E-09	4.77E-05	2.78E-04	1.37E-04	2.32E-04	2.30E-04	7.10E-03
5064	483363.09	3863877.25	0.00136	0.0015	0.00117	0.00202	0.0015	0.00217	0.00146	0.0015	6.53E-03	6.38E-05	2.81E-09	4.89E-05	3.24E-04	1.40E-04	2.38E-04	2.35E-04	7.11E-03
5065	483863.09	3863877.25	0.00132	0.00153	0.00132	0.00209	0.00164	0.0022	0.00149	0.00153	6.33E-03	6.51E-05	3.17E-09	5.06E-05	3.54E-04	1.42E-04	2.43E-04	2.40E-04	6.95E-03
5066	484363.09	3863877.25	0.00124	0.00157	0.00127	0.00213	0.00146	0.00222	0.00153	0.00157	5.95E-03	6.68E-05	3.05E-09	5.16E-05	3.15E-04	1.44E-04	2.50E-04	2.46E-04	6.53E-03
5067	484863.09	3863877.25	0.00118	0.00161	0.00118	0.00217	0.00113	0.00222	0.00158	0.00161	5.66E-03	6.85E-05	2.83E-09	5.26E-05	2.44E-04	1.44E-04	2.58E-04	2.52E-04	6.18E-03
5068	485363.09	3863877.25	0.00114	0.00165	0.00111	0.00224	0.00094	0.00223	0.00162	0.00165	5.47E-03	7.02E-05	2.66E-09	5.43E-05	2.03E-04	1.44E-04	2.64E-04	2.58E-04	5.95E-03
5069	485863.09	3863877.25	0.00111	0.00169	0.00099	0.00237	0.00086	0.00228	0.00166	0.00169	5.33E-03	7.19E-05	2.37E-09	5.74E-05	1.85E-04	1.48E-04	2.71E-04	2.65E-04	5.80E-03

5070	486363.09	3863877.25	0.00104	0.00173	0.00107	0.00254	0.00081	0.00226	0.0017	0.00173	4.99E-03	7.36E-05	2.57E-09	6.15E-05	1.75E-04	1.46E-04	2.77E-04	2.71E-04	5.45E-03
5071	486863.09	3863877.25	0.00097	0.00178	0.00129	0.00271	0.00117	0.0022	0.00175	0.00178	4.65E-03	7.57E-05	3.09E-09	6.57E-05	2.52E-04	1.42E-04	2.86E-04	2.79E-04	5.20E-03
5072	487363.09	3863877.25	0.00095	0.00184	0.00124	0.00293	0.00127	0.00223	0.00181	0.00184	4.56E-03	7.83E-05	2.97E-09	7.10E-05	2.74E-04	1.44E-04	2.95E-04	2.88E-04	5.13E-03
5073	487863.09	3863877.25	0.001	0.00192	0.00112	0.00324	0.00087	0.00227	0.00188	0.00192	4.80E-03	8.17E-05	2.69E-09	7.85E-05	1.88E-04	1.47E-04	3.07E-04	3.01E-04	5.30E-03
5074	488363.09	3863877.25	0.00103	0.002	0.00108	0.00364	0.00064	0.00224	0.00195	0.002	4.94E-03	8.51E-05	2.59E-09	8.82E-05	1.38E-04	1.45E-04	3.18E-04	3.13E-04	5.40E-03
5075	488863.09	3863877.25	0.00109	0.00208	0.00101	0.00461	0.00058	0.00225	0.00202	0.00208	5.23E-03	8.85E-05	2.42E-09	1.12E-04	1.25E-04	1.46E-04	3.30E-04	3.26E-04	5.71E-03
5076	489363.09	3863877.25	0.00121	0.00217	0.0011	0.00378	0.00073	0.00235	0.0021	0.00217	5.81E-03	9.23E-05	2.64E-09	9.16E-05	1.57E-04	1.52E-04	3.43E-04	3.40E-04	6.30E-03
5077	489863.09	3863877.25	0.00141	0.00225	0.00105	0.00378	0.00064	0.00247	0.00218	0.00225	6.77E-03	9.57E-05	2.52E-09	9.16E-05	1.38E-04	1.60E-04	3.56E-04	3.52E-04	7.25E-03
5078	490363.09	3863877.25	0.00157	0.00233	0.001	0.00379	0.00059	0.00254	0.00227	0.00233	7.53E-03	9.91E-05	2.40E-09	9.18E-05	1.27E-04	1.64E-04	3.71E-04	3.65E-04	8.02E-03
5079	490863.09	3863877.25	0.00164	0.0024	0.00095	0.00375	0.00105	0.00249	0.00236	0.0024	7.87E-03	1.02E-04	2.28E-09	9.09E-05	2.26E-04	1.61E-04	3.85E-04	3.76E-04	8.46E-03
5080	491363.09	3863877.25	0.00156	0.00246	0.00092	0.00363	0.00168	0.0024	0.00245	0.00246	7.49E-03	1.05E-04	2.21E-09	8.79E-05	3.62E-04	1.55E-04	4.00E-04	3.85E-04	8.21E-03
5081	491863.09	3863877.25	0.00146	0.00243	0.00109	0.00351	0.00201	0.00244	0.00245	0.00243	7.01E-03	1.03E-04	2.61E-09	8.50E-05	4.34E-04	1.58E-04	4.00E-04	3.81E-04	7.81E-03
5082	492363.09	3863877.25	0.00144	0.00215	0.00111	0.00327	0.002	0.00239	0.00219	0.00215	6.91E-03	9.15E-05	2.66E-09	7.92E-05	4.31E-04	1.55E-04	3.57E-04	3.37E-04	7.69E-03
5083	492863.09	3863877.25	0.00145	0.00192	0.00103	0.00302	0.00183	0.00232	0.00194	0.00192	6.96E-03	8.17E-05	2.47E-09	7.32E-05	3.95E-04	1.50E-04	3.17E-04	3.01E-04	7.67E-03
5084	493363.09	3863877.25	0.00148	0.00202	0.00108	0.00295	0.0015	0.00231	0.00196	0.00202	7.10E-03	8.59E-05	2.59E-09	7.15E-05	3.24E-04	1.49E-04	3.20E-04	3.16E-04	7.74E-03
5085	493863.09	3863877.25	0.0015	0.00218	0.00108	0.00286	0.0012	0.00225	0.00211	0.00218	7.20E-03	9.28E-05	2.59E-09	6.93E-05	2.59E-04	1.46E-04	3.44E-04	3.41E-04	7.77E-03
5086	494363.09	3863877.25	0.0015	0.00234	0.00109	0.00285	0.00115	0.00226	0.00234	0.00234	7.20E-03	9.96E-05	2.61E-09	6.90E-05	2.48E-04	1.46E-04	3.82E-04	3.67E-04	7.78E-03
5087	494863.09	3863877.25	0.00149	0.00239	0.00105	0.00285	0.00128	0.00229	0.00242	0.00239	7.15E-03	1.02E-04	2.52E-09	6.90E-05	2.76E-04	1.48E-04	3.95E-04	3.74E-04	7.77E-03
5088	495363.09	3863877.25	0.00149	0.00248	0.00099	0.00274	0.00135	0.00228	0.00247	0.00248	7.15E-03	1.06E-04	2.37E-09	6.64E-05	2.91E-04	1.48E-04	4.03E-04	3.88E-04	7.78E-03
5089	495863.09	3863877.25	0.00151	0.00251	0.00097	0.00262	0.00129	0.00224	0.00246	0.00251	7.25E-03	1.07E-04	2.33E-09	6.35E-05	2.78E-04	1.45E-04	4.02E-04	3.93E-04	7.85E-03
5090	496363.09	3863877.25	0.0015	0.00284	0.00103	0.00255	0.00121	0.00225	0.00279	0.00284	7.20E-03	1.21E-04	2.47E-09	6.18E-05	2.61E-04	1.46E-04	4.55E-04	4.45E-04	7.80E-03
5091	496863.09	3863877.25	0.00149	0.0032	0.00107	0.00251	0.00123	0.00222	0.00316	0.0032	7.15E-03	1.36E-04	2.57E-09	6.08E-05	2.65E-04	1.44E-04	5.16E-04	5.01E-04	7.77E-03
5092	497363.09	3863877.25	0.00148	0.00329	0.00109	0.00246	0.00131	0.00218	0.00326	0.00329	7.10E-03	1.40E-04	2.61E-09	5.96E-05	2.83E-04	1.41E-04	5.32E-04	5.15E-04	7.74E-03
5093	497863.09	3863877.25	0.00146	0.00323	0.00108	0.0024	0.00141	0.00214	0.00322	0.00323	7.01E-03	1.37E-04	2.59E-09	5.81E-05	3.04E-04	1.38E-04	5.26E-04	5.06E-04	7.66E-03
5094	498363.09	3863877.25	0.00142	0.00313	0.00104	0.00229	0.00146	0.00208	0.00313	0.00313	6.81E-03	1.33E-04	2.49E-09	5.55E-05	3.15E-04	1.35E-04	5.11E-04	4.90E-04	7.47E-03
5095	471363.09	3864377.25	0.00112	0.0009	0.00066	0.00096	0.00124	0.00116	0.00088	0.0009	5.37E-03	3.83E-05	1.58E-09	2.33E-05	2.67E-04	7.51E-05	1.44E-04	1.41E-04	5.78E-03
5096	471863.09	3864377.25	0.00114	0.00091	0.00069	0.00098	0.00124	0.00119	0.00089	0.00091	5.47E-03	3.87E-05	1.65E-09	2.37E-05	2.67E-04	7.70E-05	1.45E-04	1.43E-04	5.88E-03
5097	472363.09	3864377.25	0.00116	0.00093	0.00071	0.00101	0.00122	0.00121	0.00091	0.00093	5.57E-03	3.96E-05	1.70E-09	2.45E-05	2.63E-04	7.83E-05	1.49E-04	1.46E-04	5.98E-03
5098	472863.09	3864377.25	0.00117	0.00095	0.00072	0.00103	0.0012	0.00124	0.00092	0.00095	5.61E-03	4.04E-05	1.73E-09	2.50E-05	2.59E-04	8.02E-05	1.50E-04	1.49E-04	6.02E-03
5099	473363.09	3864377.25	0.00118	0.00096	0.00073	0.00107	0.00117	0.00127	0.00094	0.00096	5.66E-03	4.08E-05	1.75E-09	2.59E-05	2.52E-04	8.22E-05	1.53E-04	1.50E-04	6.07E-03
5100	473863.09	3864377.25	0.00119	0.00098	0.00074	0.0011	0.00116	0.0013	0.00095	0.00098	5.71E-03	4.17E-05	1.77E-09	2.66E-05	2.50E-04	8.41E-05	1.55E-04	1.54E-04	6.11E-03
5101	474363.09	3864377.25	0.00119	0.00099	0.00076	0.00114	0.00118	0.00132	0.00097	0.00099	5.71E-03	4.21E-05	1.82E-09	2.76E-05	2.54E-04	8.54E-05	1.58E-04	1.55E-04	6.12E-03
5102	474863.09	3864377.25	0.00119	0.00101	0.00079	0.00117	0.00122	0.00135	0.00098	0.00101	5.71E-03	4.30E-05	1.89E-09	2.83E-05	2.63E-04	8.73E-05	1.60E-04	1.58E-04	6.13E-03
5103	475363.09	3864377.25	0.0012	0.00102	0.00081	0.00121	0.0013	0.00137	0.001	0.00102	5.76E-03	4.34E-05	1.94E-09	2.93E-05	2.80E-04	8.86E-05	1.63E-04	1.60E-04	6.20E-03
5104	475863.09	3864377.25	0.0012	0.00104	0.00082	0.00124	0.00137	0.00141	0.00102	0.00104	5.76E-03	4.43E-05	1.97E-09	3.00E-05	2.95E-04	9.12E-05	1.66E-04	1.63E-04	6.22E-03
5105	476363.09	3864377.25	0.00121	0.00106	0.00085	0.00127	0.00146	0.00146	0.00103	0.00106	5.81E-03	4.51E-05	2.04E-09	3.08E-05	3.15E-04	9.45E-05	1.68E-04	1.66E-04	6.29E-03
5106	476863.09	3864377.25	0.00123	0.00108	0.00089	0.0013	0.00152	0.0015	0.00105	0.00108	5.90E-03	4.60E-05	2.13E-09	3.15E-05	3.28E-04	9.71E-05	1.71E-04	1.69E-04	6.41E-03
5107	477363.09	3864377.25	0.00124	0.00111	0.00093	0.00132	0.00154	0.00155	0.00107	0.00111	5.95E-03	4.72E-05	2.23E-09	3.20E-05	3.32E-04	1.00E-04	1.75E-04	1.74E-04	6.46E-03
5108	477863.09	3864377.25	0.00126	0.00113	0.00093	0.00135	0.00153	0.00159	0.00109	0.00113	6.05E-03	4.81E-05	2.23E-09	3.27E-05	3.30E-04	1.03E-04	1.78E-04	1.77E-04	6.56E-03
5109	478363.09	3864377.25	0.00128	0.00114	0.00094	0.00139	0.00153	0.00163	0.00111	0.00114	6.14E-03	4.85E-05	2.25E-09	3.37E-05	3.30E-04	1.05E-04	1.81E-04	1.79E-04	6.66E-03
5110	478863.09	3864377.25	0.00129	0.00116	0.00099	0.00143	0.00155	0.00166	0.00113	0.00116	6.19E-03	4.94E-05	2.37E-09	3.46E-05	3.34E-04	1.07E-04	1.84E-04	1.82E-04	6.72E-03
5111	479363.09	3864377.25	0.00129	0.00118	0.00104	0.00148	0.00154	0.00168	0.00115	0.00118	6.19E-03	5.02E-05	2.49E-09	3.59E-05	3.32E-04	1.09E-04	1.88E-04	1.85E-04	6.72E-03
5112	479863.09	3864377.25	0.00128	0.00121	0.00107	0.00154	0.00147	0.0017	0.00117	0.00121	6.14E-03	5.15E-05	2.57E-09	3.73E-05	3.17E-04	1.10E-04	1.91E-04	1.90E-04	6.66E-03
5113	480363.09	3864377.25	0.00126	0.00123	0.00107	0.0016	0.00133	0.00172	0.00119	0.00123	6.05E-03	5.23E-05	2.57E-09	3.88E-05	2.87E-04	1.11E-04	1.94E-04	1.93E-04	6.54E-03
5114	480863.09	3864377.25	0.00122	0.00125	0.00099	0.00164	0.00118	0.00174	0.00122	0.00125	5.85E-03	5.32E-05	2.37E-09	3.97E-05	2.54E-04	1.13E-04	1.99E-04	1.96E-04	6.32E-03
5115	481363.09	3864377.25	0.0012	0.00129	0.00093	0.00166	0.00107	0.00177	0.00125	0.00129	5.76E-03	5.49E-05	2.23E-09	4.02E-05	2.31E-04	1.15E-04	2.04E-04	2.02E-04	6.20E-03
5116	481863.09	3864377.25	0.00121	0.00133	0.00098	0.0017	0.00104	0.00183	0.00128	0.00133	5.81E-03	5.66E-05	2.35E-09	4.12E-05	2.24E-04	1.18E-04	2.09E-04	2.08E-04	6.25E-03
5117	482363.09	3864377.25	0.00121	0.00135	0.001	0.00175	0.0011	0.00189	0.00131	0.00135	5.81E-03	5.74E-05	2.40E-09	4.24E-05	2.37E-04	1.22E-04	2.14E-04	2.11E-04	6.27E-03
5118	482863.09	3864377.25	0.0012	0.00137	0.00101	0.0018	0.00128	0.00194	0.00134	0.00137	5.76E-03	5.83E-05	2.42E-09	4.36E-05	2.76E-04	1.26E-04	2.19E-04	2.15E-04	6.27E-03
5119	483363.09	3864377.25	0.00118	0.0014	0.00116	0.00184	0.00145	0.00196	0.00137	0.0014	5.66E-03	5.96E-05	2.78E-09	4.46E-05	3.13E-04	1.27E-04	2.24E-04	2.19E-04	6.21E-03
5120	483863.09	3864377.25	0.00113	0.00143	0.00124	0.00187	0.00142	0.00197	0.0014	0.00143	5.42E-03	6.08E-05	2.97E-09	4.53E-05	3.06E-04	1.27E-04	2.29E-04	2.24E-04	5.97E-03
5121	484363.09	3864377.25	0.00106	0.00146	0.00113	0.00189	0.00116	0.00197	0.00143	0.00146	5.09E-03	6.21E-05	2.71E-09	4.58E-05	2.50E-04	1.27E-04	2.33E-04	2.29E-04	5.58E-03
5122	484863.09	3864377.25	0.00101	0.0015	0.00101	0.00192	0.0009	0.00196	0.00147	0.0015	4.85E-03	6.38E-05	2.42E-09	4.65E-05	1.94E-04	1.27E-04	2.40E-04	2.35E-04	5.28E-03
5123	485363.09	3864377.25	0.00099	0.00154	0.00095	0.00199	0.00082	0.00198	0.00151	0.00154	4.75E-03	6.55E-05	2.28E-09	4.82E-05	1.77E-04	1.28E-04	2.46E-04	2.41E-04	5.17E-03
5124	485863.09	3864377.25	0.00095	0.00158	0.00088	0.00211	0.00073	0.00203	0.00155	0.00158	4.56E-03	6.72E-05	2.11E-09	5.11E-05	1.57E-04	1.31E-04	2.53E-04	2.48E-04	4.97E-03
5125	486363.09	3864377.25	0.00089	0.00161	0.00106	0.00222	0.00075	0.00199	0.00159	0.00161	4.27E-03	6.85E-05	2.54E-09	5.38E-05	1.62E-04	1.29E-04	2.60E-04	2.52E-04	4.69E-03
5126	486863.09	3864377.25	0.00082	0.00165	0.00118	0.00233	0.00114	0.00198	0.00163	0.00165	3.94E-03	7.02E-05	2.83E-09	5.64E-05	2.46E-04	1.28E-04	2.66E-04	2.58E-04	4.44E-03

5127	487363.09	3864377.25	0.0008	0.0017	0.00106	0.00245	0.00116	0.00198	0.00167	0.0017	3.84E-03	7.23E-05	2.54E-09	5.94E-05	2.50E-04	1.28E-04	2.73E-04	2.66E-04	4.36E-03
5128	487863.09	3864377.25	0.00084	0.00175	0.00096	0.00258	0.00078	0.00201	0.00172	0.00175	4.03E-03	7.45E-05	2.30E-09	6.25E-05	1.68E-04	1.30E-04	2.81E-04	2.74E-04	4.47E-03
5129	488363.09	3864377.25	0.00088	0.00181	0.00093	0.00267	0.00059	0.00195	0.00176	0.00181	4.22E-03	7.70E-05	2.23E-09	6.47E-05	1.27E-04	1.26E-04	2.87E-04	2.84E-04	4.62E-03
5130	488863.09	3864377.25	0.00093	0.00186	0.00095	0.00275	0.0005	0.00195	0.00181	0.00186	4.46E-03	7.91E-05	2.28E-09	6.66E-05	1.08E-04	1.26E-04	2.95E-04	2.91E-04	4.85E-03
5131	489363.09	3864377.25	0.001	0.00191	0.00101	0.00235	0.00064	0.002	0.00185	0.00191	4.80E-03	8.13E-05	2.42E-09	5.69E-05	1.38E-04	1.29E-04	3.02E-04	2.99E-04	5.21E-03
5132	489863.09	3864377.25	0.00116	0.00196	0.0009	0.00231	0.00063	0.00208	0.0019	0.00196	5.57E-03	8.34E-05	2.16E-09	5.60E-05	1.36E-04	1.35E-04	3.10E-04	3.07E-04	5.98E-03
5133	490363.09	3864377.25	0.00133	0.00202	0.00089	0.00238	0.00048	0.00217	0.00195	0.00202	6.38E-03	8.59E-05	2.13E-09	5.77E-05	1.04E-04	1.40E-04	3.18E-04	3.16E-04	6.77E-03
5134	490863.09	3864377.25	0.00146	0.00206	0.0009	0.00244	0.0007	0.00223	0.00201	0.00206	7.01E-03	8.76E-05	2.16E-09	5.91E-05	1.51E-04	1.44E-04	3.28E-04	3.23E-04	7.45E-03
5135	491363.09	3864377.25	0.00154	0.00196	0.00086	0.00241	0.00132	0.00226	0.00193	0.00196	7.39E-03	8.34E-05	2.06E-09	5.84E-05	2.85E-04	1.46E-04	3.15E-04	3.07E-04	7.97E-03
5136	491863.09	3864377.25	0.00145	0.00114	0.00063	0.00154	0.00139	0.00148	0.00121	0.00114	6.96E-03	4.85E-05	1.51E-09	3.73E-05	3.00E-04	9.58E-05	1.98E-04	1.79E-04	7.46E-03
5137	492363.09	3864377.25	0.00141	0.00144	0.00091	0.00202	0.00194	0.00186	0.00151	0.00144	6.77E-03	6.13E-05	2.18E-09	4.89E-05	4.18E-04	1.20E-04	2.46E-04	2.26E-04	7.44E-03
5138	492863.09	3864377.25	0.00126	0.00118	0.00066	0.00168	0.00148	0.00152	0.00126	0.00118	6.05E-03	5.02E-05	1.58E-09	4.07E-05	3.19E-04	9.83E-05	2.06E-04	1.85E-04	6.58E-03
5139	493363.09	3864377.25	0.00131	0.00138	0.00085	0.002	0.00161	0.00175	0.00139	0.00138	6.29E-03	5.87E-05	2.04E-09	4.85E-05	3.47E-04	1.13E-04	2.27E-04	2.16E-04	6.86E-03
5140	493863.09	3864377.25	0.00131	0.00162	0.00092	0.00217	0.00126	0.0019	0.00155	0.00162	6.29E-03	6.89E-05	2.21E-09	5.26E-05	2.72E-04	1.23E-04	2.53E-04	2.54E-04	6.80E-03
5141	494363.09	3864377.25	0.00132	0.00178	0.00096	0.0022	0.00105	0.00192	0.00172	0.00178	6.33E-03	7.57E-05	2.30E-09	5.33E-05	2.26E-04	1.24E-04	2.81E-04	2.79E-04	6.82E-03
5142	494863.09	3864377.25	0.00131	0.0019	0.00098	0.00226	0.00102	0.00194	0.0019	0.0019	6.29E-03	8.08E-05	2.35E-09	5.48E-05	2.20E-04	1.26E-04	3.10E-04	2.98E-04	6.78E-03
5143	495363.09	3864377.25	0.00131	0.0019	0.00095	0.00232	0.00114	0.00198	0.00193	0.0019	6.29E-03	8.08E-05	2.28E-09	5.62E-05	2.46E-04	1.28E-04	3.15E-04	2.98E-04	6.81E-03
5144	495863.09	3864377.25	0.00131	0.00192	0.00089	0.00227	0.00122	0.00198	0.00192	0.00192	6.29E-03	8.17E-05	2.13E-09	5.50E-05	2.63E-04	1.28E-04	3.13E-04	3.01E-04	6.83E-03
5145	496363.09	3864377.25	0.00131	0.00203	0.00086	0.00219	0.00117	0.00195	0.002	0.00203	6.29E-03	8.64E-05	2.06E-09	5.31E-05	2.52E-04	1.26E-04	3.26E-04	3.18E-04	6.81E-03
5146	496863.09	3864377.25	0.00132	0.00209	0.00089	0.00212	0.00109	0.00194	0.00205	0.00209	6.33E-03	8.89E-05	2.13E-09	5.14E-05	2.35E-04	1.26E-04	3.35E-04	3.27E-04	6.84E-03
5147	497363.09	3864377.25	0.00132	0.00228	0.00094	0.0021	0.00109	0.00193	0.00223	0.00228	6.33E-03	9.70E-05	2.25E-09	5.09E-05	2.35E-04	1.25E-04	3.64E-04	3.57E-04	6.85E-03
5148	497863.09	3864377.25	0.00134	0.00231	0.00101	0.00212	0.00117	0.00194	0.00227	0.00231	6.43E-03	9.83E-05	2.42E-09	5.14E-05	2.52E-04	1.26E-04	3.71E-04	3.62E-04	6.97E-03
5149	498363.09	3864377.25	0.00131	0.00244	0.00099	0.00207	0.00124	0.00189	0.00241	0.00244	6.29E-03	1.04E-04	2.37E-09	5.01E-05	2.67E-04	1.22E-04	3.93E-04	3.82E-04	6.84E-03
5150	471363.09	3864877.25	0.00106	0.00087	0.00066	0.00094	0.00112	0.00113	0.00086	0.00087	5.09E-03	3.70E-05	1.58E-09	2.28E-05	2.42E-04	7.31E-05	1.40E-04	1.36E-04	5.47E-03
5151	471863.09	3864877.25	0.00108	0.00089	0.00067	0.00097	0.00109	0.00115	0.00087	0.00089	5.18E-03	3.79E-05	1.61E-09	2.35E-05	2.35E-04	7.44E-05	1.42E-04	1.39E-04	5.56E-03
5152	472363.09	3864877.25	0.00109	0.0009	0.00067	0.00099	0.00107	0.00117	0.00088	0.0009	5.23E-03	3.83E-05	1.61E-09	2.40E-05	2.31E-04	7.57E-05	1.44E-04	1.41E-04	5.60E-03
5153	472863.09	3864877.25	0.0011	0.00092	0.00068	0.00102	0.00106	0.00119	0.0009	0.00092	5.28E-03	3.91E-05	1.63E-09	2.47E-05	2.29E-04	7.70E-05	1.47E-04	1.44E-04	5.65E-03
5154	473363.09	3864877.25	0.0011	0.00093	0.0007	0.00105	0.00107	0.00121	0.00091	0.00093	5.28E-03	3.96E-05	1.68E-09	2.54E-05	2.31E-04	7.83E-05	1.49E-04	1.46E-04	5.66E-03
5155	473863.09	3864877.25	0.0011	0.00095	0.00073	0.00108	0.00111	0.00123	0.00092	0.00095	5.28E-03	4.04E-05	1.75E-09	2.62E-05	2.39E-04	7.96E-05	1.50E-04	1.49E-04	5.67E-03
5156	474363.09	3864877.25	0.0011	0.00096	0.00076	0.00111	0.00117	0.00125	0.00093	0.00096	5.28E-03	4.08E-05	1.82E-09	2.69E-05	2.52E-04	8.09E-05	1.52E-04	1.50E-04	5.68E-03
5157	474863.09	3864877.25	0.0011	0.00097	0.00077	0.00113	0.00123	0.00128	0.00095	0.00097	5.28E-03	4.13E-05	1.85E-09	2.74E-05	2.65E-04	8.28E-05	1.55E-04	1.52E-04	5.70E-03
5158	475363.09	3864877.25	0.0011	0.00099	0.00078	0.00115	0.0013	0.00131	0.00096	0.00099	5.28E-03	4.21E-05	1.87E-09	2.79E-05	2.80E-04	8.48E-05	1.57E-04	1.55E-04	5.72E-03
5159	475863.09	3864877.25	0.0011	0.00101	0.0008	0.00117	0.00136	0.00135	0.00098	0.00101	5.28E-03	4.30E-05	1.92E-09	2.83E-05	2.93E-04	8.73E-05	1.60E-04	1.58E-04	5.73E-03
5160	476363.09	3864877.25	0.00112	0.00103	0.00082	0.00119	0.0014	0.00139	0.00099	0.00103	5.37E-03	4.38E-05	1.97E-09	2.88E-05	3.02E-04	8.99E-05	1.62E-04	1.61E-04	5.84E-03
5161	476863.09	3864877.25	0.00114	0.00104	0.00086	0.00122	0.00141	0.00143	0.00101	0.00104	5.47E-03	4.43E-05	2.06E-09	2.96E-05	3.04E-04	9.25E-05	1.65E-04	1.63E-04	5.94E-03
5162	477363.09	3864877.25	0.00116	0.00106	0.00086	0.00125	0.00139	0.00146	0.00103	0.00106	5.57E-03	4.51E-05	2.06E-09	3.03E-05	3.00E-04	9.45E-05	1.68E-04	1.66E-04	6.04E-03
5163	477863.09	3864877.25	0.00117	0.00108	0.00086	0.00129	0.00139	0.00149	0.00104	0.00108	5.61E-03	4.60E-05	2.06E-09	3.13E-05	3.00E-04	9.64E-05	1.70E-04	1.69E-04	6.09E-03
5164	478363.09	3864877.25	0.00117	0.00109	0.0009	0.00133	0.00141	0.00151	0.00106	0.00109	5.61E-03	4.64E-05	2.16E-09	3.22E-05	3.04E-04	9.77E-05	1.73E-04	1.71E-04	6.10E-03
5165	478863.09	3864877.25	0.00117	0.00111	0.00095	0.00138	0.0014	0.00152	0.00108	0.00111	5.61E-03	4.72E-05	2.28E-09	3.34E-05	3.02E-04	9.83E-05	1.76E-04	1.74E-04	6.10E-03
5166	479363.09	3864877.25	0.00116	0.00113	0.00097	0.00142	0.00132	0.00155	0.0011	0.00113	5.57E-03	4.81E-05	2.33E-09	3.44E-05	2.85E-04	1.00E-04	1.80E-04	1.77E-04	6.04E-03
5167	479863.09	3864877.25	0.00114	0.00115	0.00097	0.00146	0.00119	0.00157	0.00112	0.00115	5.47E-03	4.89E-05	2.33E-09	3.54E-05	2.57E-04	1.02E-04	1.83E-04	1.80E-04	5.92E-03
5168	480363.09	3864877.25	0.00112	0.00117	0.00094	0.00149	0.00107	0.00159	0.00114	0.00117	5.37E-03	4.98E-05	2.25E-09	3.61E-05	2.31E-04	1.03E-04	1.86E-04	1.83E-04	5.80E-03
5169	480863.09	3864877.25	0.00108	0.00119	0.00085	0.0015	0.00097	0.00161	0.00116	0.00119	5.18E-03	5.06E-05	2.04E-09	3.63E-05	2.09E-04	1.04E-04	1.89E-04	1.86E-04	5.59E-03
5170	481363.09	3864877.25	0.00107	0.00123	0.00084	0.00151	0.00093	0.00165	0.00119	0.00123	5.13E-03	5.23E-05	2.01E-09	3.66E-05	2.01E-04	1.07E-04	1.94E-04	1.93E-04	5.53E-03
5171	481863.09	3864877.25	0.00107	0.00126	0.0009	0.00155	0.00096	0.0017	0.00122	0.00126	5.13E-03	5.36E-05	2.16E-09	3.76E-05	2.07E-04	1.10E-04	1.99E-04	1.97E-04	5.54E-03
5172	482363.09	3864877.25	0.00107	0.00128	0.00094	0.00161	0.00109	0.00174	0.00124	0.00128	5.13E-03	5.45E-05	2.25E-09	3.90E-05	2.35E-04	1.13E-04	2.02E-04	2.01E-04	5.58E-03
5173	482863.09	3864877.25	0.00106	0.0013	0.00102	0.00165	0.00126	0.00176	0.00127	0.0013	5.09E-03	5.53E-05	2.45E-09	4.00E-05	2.72E-04	1.14E-04	2.07E-04	2.04E-04	5.57E-03
5174	483363.09	3864877.25	0.00103	0.00133	0.00112	0.00166	0.00132	0.00177	0.00129	0.00133	4.94E-03	5.66E-05	2.69E-09	4.02E-05	2.85E-04	1.15E-04	2.11E-04	2.08E-04	5.44E-03
5175	483863.09	3864877.25	0.00098	0.00135	0.00111	0.00167	0.00117	0.00176	0.00132	0.00135	4.70E-03	5.74E-05	2.66E-09	4.05E-05	2.52E-04	1.14E-04	2.15E-04	2.11E-04	5.17E-03
5176	484363.09	3864877.25	0.00093	0.00137	0.00097	0.0017	0.00091	0.00176	0.00135	0.00137	4.46E-03	5.83E-05	2.33E-09	4.12E-05	1.96E-04	1.14E-04	2.20E-04	2.15E-04	4.88E-03
5177	484863.09	3864877.25	0.00089	0.0014	0.00088	0.00174	0.00076	0.00177	0.00138	0.0014	4.27E-03	5.96E-05	2.11E-09	4.22E-05	1.64E-04	1.15E-04	2.25E-04	2.19E-04	4.66E-03
5178	485363.09	3864877.25	0.00087	0.00144	0.00085	0.00181	0.00073	0.00181	0.00141	0.00144	4.18E-03	6.13E-05	2.04E-09	4.39E-05	1.57E-04	1.17E-04	2.30E-04	2.26E-04	4.56E-03
5179	485863.09	3864877.25	0.00083	0.00146	0.00085	0.00188	0.00063	0.00183	0.00144	0.00146	3.98E-03	6.21E-05	2.04E-09	4.55E-05	1.36E-04	1.18E-04	2.35E-04	2.29E-04	4.35E-03
5180	486363.09	3864877.25	0.00078	0.00148	0.00103	0.00195	0.00072	0.00179	0.00146	0.00148	3.74E-03	6.30E-05	2.47E-09	4.72E-05	1.55E-04	1.16E-04	2.38E-04	2.32E-04	4.13E-03
5181	486863.09	3864877.25	0.00071	0.0015	0.00104	0.00203	0.00111	0.00179	0.00149	0.0015	3.41E-03	6.38E-05	2.49E-09	4.92E-05	2.39E-04	1.16E-04	2.43E-04	2.35E-04	3.88E-03
5182	487363.09	3864877.25	0.0007	0.00153	0.0009	0.00211	0.00105	0.00176	0.00152	0.00153	3.36E-03	6.51E-05	2.16E-09	5.11E-05	2.26E-04	1.14E-04	2.48E-04	2.40E-04	3.82E-03
5183	487863.09	3864877.25	0.00072	0.00157	0.00085	0.0021	0.00071	0.00177	0.00155	0.00157	3.46E-03	6.68E-05	2.04E-09	5.09E-05	1.53E-04	1.15E-04	2.53E-04	2.46E-04	3.85E-03

5184	488363.09	3864877.25	0.00075	0.00162	0.0008	0.0021	0.00055	0.00172	0.00159	0.00162	3.60E-03	6.89E-05	1.92E-09	5.09E-05	1.19E-04	1.11E-04	2.60E-04	2.54E-04	3.95E-03
5185	488863.09	3864877.25	0.00079	0.00166	0.00089	0.00217	0.00045	0.00171	0.00162	0.00166	3.79E-03	7.06E-05	2.13E-09	5.26E-05	9.71E-05	1.11E-04	2.64E-04	2.60E-04	4.13E-03
5186	489363.09	3864877.25	0.00085	0.0017	0.00095	0.00188	0.00055	0.00171	0.00164	0.0017	4.08E-03	7.23E-05	2.28E-09	4.55E-05	1.19E-04	1.11E-04	2.68E-04	2.66E-04	4.43E-03
5187	489863.09	3864877.25	0.00097	0.00173	0.00081	0.00174	0.00061	0.00178	0.00167	0.00173	4.65E-03	7.36E-05	1.94E-09	4.22E-05	1.32E-04	1.15E-04	2.73E-04	2.71E-04	5.02E-03
5188	490363.09	3864877.25	0.00113	0.00177	0.00078	0.00187	0.00045	0.00188	0.00171	0.00177	5.42E-03	7.53E-05	1.87E-09	4.53E-05	9.71E-05	1.22E-04	2.79E-04	2.77E-04	5.76E-03
5189	490863.09	3864877.25	0.00141	0.00154	0.00083	0.00175	0.00052	0.00199	0.00147	0.00154	6.77E-03	6.55E-05	1.99E-09	4.24E-05	1.12E-04	1.29E-04	2.40E-04	2.41E-04	7.11E-03
5190	491363.09	3864877.25	0.00143	0.00173	0.00082	0.0019	0.00092	0.00211	0.0017	0.00173	6.86E-03	7.36E-05	1.97E-09	4.60E-05	1.98E-04	1.37E-04	2.77E-04	2.71E-04	7.32E-03
5191	491863.09	3864877.25	0.00145	0.00149	0.00069	0.00175	0.00148	0.0019	0.00148	0.00149	6.96E-03	6.34E-05	1.65E-09	4.24E-05	3.19E-04	1.23E-04	2.42E-04	2.33E-04	7.51E-03
5192	492363.09	3864877.25	0.001	0.00091	0.00054	0.0011	0.00084	0.00114	0.00096	0.00091	4.80E-03	3.87E-05	1.30E-09	2.66E-05	1.81E-04	7.38E-05	1.57E-04	1.43E-04	5.13E-03
5193	492863.09	3864877.25	0.00106	0.00097	0.00055	0.00124	0.00112	0.00122	0.00105	0.00097	5.09E-03	4.13E-05	1.32E-09	3.00E-05	2.42E-04	7.89E-05	1.71E-04	1.52E-04	5.50E-03
5194	493363.09	3864877.25	0.00099	0.00096	0.00056	0.00121	0.00108	0.00116	0.001	0.00096	4.75E-03	4.08E-05	1.34E-09	2.93E-05	2.33E-04	7.51E-05	1.63E-04	1.50E-04	5.14E-03
5195	493863.09	3864877.25	0.00115	0.00126	0.0008	0.00173	0.00141	0.0016	0.00127	0.00126	5.52E-03	5.36E-05	1.92E-09	4.19E-05	3.04E-04	1.04E-04	2.07E-04	1.97E-04	6.03E-03
5196	494363.09	3864877.25	0.00115	0.00146	0.00084	0.00185	0.0011	0.00171	0.00141	0.00146	5.52E-03	6.21E-05	2.01E-09	4.48E-05	2.37E-04	1.11E-04	2.30E-04	2.29E-04	5.98E-03
5197	494863.09	3864877.25	0.00115	0.00153	0.00087	0.0018	0.00093	0.00169	0.00147	0.00153	5.52E-03	6.51E-05	2.09E-09	4.36E-05	2.01E-04	1.09E-04	2.40E-04	2.40E-04	5.94E-03
5198	495363.09	3864877.25	0.00116	0.00157	0.00089	0.00184	0.00092	0.00171	0.00156	0.00157	5.57E-03	6.68E-05	2.13E-09	4.46E-05	1.98E-04	1.11E-04	2.55E-04	2.46E-04	6.00E-03
5199	495863.09	3864877.25	0.00114	0.00167	0.00088	0.00194	0.00102	0.00176	0.00168	0.00167	5.47E-03	7.11E-05	2.11E-09	4.70E-05	2.20E-04	1.14E-04	2.74E-04	2.62E-04	5.94E-03
5200	496363.09	3864877.25	0.00117	0.00158	0.00081	0.00192	0.00111	0.00175	0.0016	0.00158	5.61E-03	6.72E-05	1.94E-09	4.65E-05	2.39E-04	1.13E-04	2.61E-04	2.48E-04	6.09E-03
5201	496863.09	3864877.25	0.00117	0.00162	0.00076	0.00185	0.00108	0.00172	0.0016	0.00162	5.61E-03	6.89E-05	1.82E-09	4.48E-05	2.33E-04	1.11E-04	2.61E-04	2.54E-04	6.08E-03
5202	497363.09	3864877.25	0.00118	0.00168	0.00078	0.0018	0.001	0.00171	0.00164	0.00168	5.66E-03	7.15E-05	1.87E-09	4.36E-05	2.16E-04	1.11E-04	2.68E-04	2.63E-04	6.11E-03
5203	497863.09	3864877.25	0.0012	0.00175	0.00083	0.00179	0.00098	0.00171	0.0017	0.00175	5.76E-03	7.45E-05	1.99E-09	4.34E-05	2.11E-04	1.11E-04	2.77E-04	2.74E-04	6.20E-03
5204	498363.09	3864877.25	0.00119	0.00189	0.00088	0.0018	0.00102	0.00171	0.00185	0.00189	5.71E-03	8.04E-05	2.11E-09	4.36E-05	2.20E-04	1.11E-04	3.02E-04	2.96E-04	6.17E-03
5205	471363.09	3865377.25	0.00101	0.00085	0.00063	0.00093	0.00098	0.00109	0.00083	0.00085	4.85E-03	3.62E-05	1.51E-09	2.25E-05	2.11E-04	7.05E-05	1.35E-04	1.33E-04	5.19E-03
5206	471863.09	3865377.25	0.00102	0.00086	0.00063	0.00095	0.00097	0.0011	0.00084	0.00086	4.89E-03	3.66E-05	1.51E-09	2.30E-05	2.09E-04	7.12E-05	1.37E-04	1.35E-04	5.24E-03
5207	472363.09	3865377.25	0.00102	0.00087	0.00065	0.00098	0.00098	0.00111	0.00085	0.00087	4.89E-03	3.70E-05	1.56E-09	2.37E-05	2.11E-04	7.18E-05	1.39E-04	1.36E-04	5.24E-03
5208	472863.09	3865377.25	0.00103	0.00089	0.00067	0.001	0.00102	0.00113	0.00087	0.00089	4.94E-03	3.79E-05	1.61E-09	2.42E-05	2.20E-04	7.31E-05	1.42E-04	1.39E-04	5.30E-03
5209	473363.09	3865377.25	0.00102	0.0009	0.00071	0.00102	0.00106	0.00115	0.00088	0.0009	4.89E-03	3.83E-05	1.70E-09	2.47E-05	2.29E-04	7.44E-05	1.44E-04	1.41E-04	5.26E-03
5210	473863.09	3865377.25	0.00102	0.00091	0.00073	0.00104	0.00111	0.00117	0.00089	0.00091	4.89E-03	3.87E-05	1.75E-09	2.52E-05	2.39E-04	7.57E-05	1.45E-04	1.43E-04	5.28E-03
5211	474363.09	3865377.25	0.00102	0.00093	0.00074	0.00105	0.00117	0.0012	0.0009	0.00093	4.89E-03	3.96E-05	1.77E-09	2.54E-05	2.52E-04	7.76E-05	1.47E-04	1.46E-04	5.29E-03
5212	474863.09	3865377.25	0.00102	0.00094	0.00074	0.00107	0.00123	0.00122	0.00091	0.00094	4.89E-03	4.00E-05	1.77E-09	2.59E-05	2.65E-04	7.89E-05	1.49E-04	1.47E-04	5.31E-03
5213	475363.09	3865377.25	0.00102	0.00096	0.00074	0.00108	0.00127	0.00125	0.00093	0.00096	4.89E-03	4.08E-05	1.77E-09	2.62E-05	2.74E-04	8.09E-05	1.52E-04	1.50E-04	5.32E-03
5214	475863.09	3865377.25	0.00103	0.00097	0.00075	0.0011	0.00129	0.00129	0.00094	0.00097	4.94E-03	4.13E-05	1.80E-09	2.66E-05	2.78E-04	8.35E-05	1.53E-04	1.52E-04	5.37E-03
5215	476363.09	3865377.25	0.00107	0.00099	0.00078	0.00114	0.00131	0.00131	0.00096	0.00099	5.13E-03	4.21E-05	1.87E-09	2.76E-05	2.83E-04	8.48E-05	1.57E-04	1.55E-04	5.57E-03
5216	476863.09	3865377.25	0.00113	0.00096	0.00074	0.00115	0.00129	0.0013	0.00095	0.00096	5.42E-03	4.08E-05	1.77E-09	2.79E-05	2.78E-04	8.41E-05	1.55E-04	1.50E-04	5.86E-03
5217	477363.09	3865377.25	0.00109	0.00102	0.00078	0.00122	0.0013	0.00137	0.00099	0.00102	5.23E-03	4.34E-05	1.87E-09	2.96E-05	2.80E-04	8.86E-05	1.62E-04	1.60E-04	5.67E-03
5218	477863.09	3865377.25	0.00108	0.00104	0.00082	0.00125	0.0013	0.00139	0.00101	0.00104	5.18E-03	4.43E-05	1.97E-09	3.03E-05	2.80E-04	8.99E-05	1.65E-04	1.63E-04	5.63E-03
5219	478363.09	3865377.25	0.00108	0.00105	0.00088	0.00128	0.00129	0.00141	0.00102	0.00105	5.18E-03	4.47E-05	2.11E-09	3.10E-05	2.78E-04	9.12E-05	1.66E-04	1.64E-04	5.63E-03
5220	478863.09	3865377.25	0.00106	0.00107	0.0009	0.00131	0.00121	0.00143	0.00104	0.00107	5.09E-03	4.55E-05	2.16E-09	3.17E-05	2.61E-04	9.25E-05	1.70E-04	1.68E-04	5.52E-03
5221	479363.09	3865377.25	0.00105	0.00108	0.00088	0.00134	0.00108	0.00145	0.00106	0.00108	5.04E-03	4.60E-05	2.11E-09	3.25E-05	2.33E-04	9.38E-05	1.73E-04	1.69E-04	5.45E-03
5222	479863.09	3865377.25	0.00103	0.0011	0.00087	0.00136	0.00097	0.00147	0.00107	0.0011	4.94E-03	4.68E-05	2.09E-09	3.29E-05	2.09E-04	9.51E-05	1.75E-04	1.72E-04	5.33E-03
5223	480363.09	3865377.25	0.00099	0.00112	0.00081	0.00136	0.00088	0.00148	0.00109	0.00112	4.75E-03	4.77E-05	1.94E-09	3.29E-05	1.90E-04	9.58E-05	1.78E-04	1.75E-04	5.12E-03
5224	480863.09	3865377.25	0.00096	0.00114	0.00075	0.00137	0.00084	0.00149	0.00111	0.00114	4.61E-03	4.85E-05	1.80E-09	3.32E-05	1.81E-04	9.64E-05	1.81E-04	1.79E-04	4.97E-03
5225	481363.09	3865377.25	0.00095	0.00117	0.00078	0.0014	0.00086	0.00153	0.00113	0.00117	4.56E-03	4.98E-05	1.87E-09	3.39E-05	1.85E-04	9.90E-05	1.84E-04	1.83E-04	4.93E-03
5226	481863.09	3865377.25	0.00095	0.00119	0.00086	0.00145	0.00094	0.00156	0.00115	0.00119	4.56E-03	5.06E-05	2.06E-09	3.51E-05	2.03E-04	1.01E-04	1.88E-04	1.86E-04	4.95E-03
5227	482363.09	3865377.25	0.00095	0.0012	0.00095	0.00149	0.00109	0.00158	0.00117	0.0012	4.56E-03	5.11E-05	2.28E-09	3.61E-05	2.35E-04	1.02E-04	1.91E-04	1.88E-04	4.99E-03
5228	482863.09	3865377.25	0.00094	0.00122	0.00099	0.00149	0.0012	0.00159	0.00119	0.00122	4.51E-03	5.19E-05	2.37E-09	3.61E-05	2.59E-04	1.03E-04	1.94E-04	1.91E-04	4.96E-03
5229	483363.09	3865377.25	0.00091	0.00124	0.00101	0.00149	0.00115	0.00159	0.00121	0.00124	4.37E-03	5.28E-05	2.42E-09	3.61E-05	2.48E-04	1.03E-04	1.98E-04	1.94E-04	4.81E-03
5230	483863.09	3865377.25	0.00087	0.00126	0.00097	0.00151	0.00095	0.0016	0.00123	0.00126	4.18E-03	5.36E-05	2.33E-09	3.66E-05	2.05E-04	1.04E-04	2.01E-04	1.97E-04	4.58E-03
5231	484363.09	3865377.25	0.00083	0.00127	0.00084	0.00153	0.00074	0.00162	0.00125	0.00127	3.98E-03	5.40E-05	2.01E-09	3.71E-05	1.60E-04	1.05E-04	2.04E-04	1.99E-04	4.34E-03
5232	484863.09	3865377.25	0.0008	0.0013	0.0008	0.00158	0.00067	0.00163	0.00128	0.0013	3.84E-03	5.53E-05	1.92E-09	3.83E-05	1.45E-04	1.05E-04	2.09E-04	2.04E-04	4.19E-03
5233	485363.09	3865377.25	0.00076	0.00132	0.00078	0.00163	0.00065	0.00166	0.0013	0.00132	3.65E-03	5.62E-05	1.87E-09	3.95E-05	1.40E-04	1.07E-04	2.12E-04	2.07E-04	4.00E-03
5234	485863.09	3865377.25	0.00073	0.00135	0.00084	0.00169	0.00054	0.00166	0.00133	0.00135	3.50E-03	5.74E-05	2.01E-09	4.09E-05	1.16E-04	1.07E-04	2.17E-04	2.11E-04	3.83E-03
5235	486363.09	3865377.25	0.00069	0.00136	0.00096	0.00176	0.00071	0.00162	0.00135	0.00136	3.31E-03	5.79E-05	2.30E-09	4.26E-05	1.53E-04	1.05E-04	2.20E-04	2.13E-04	3.68E-03
5236	486863.09	3865377.25	0.00063	0.00138	0.00092	0.0018	0.00108	0.00162	0.00136	0.00138	3.02E-03	5.87E-05	2.21E-09	4.36E-05	2.33E-04	1.05E-04	2.22E-04	2.16E-04	3.47E-03
5237	487363.09	3865377.25	0.00062	0.0014	0.0008	0.00181	0.00095	0.00158	0.00138	0.0014	2.98E-03	5.96E-05	1.92E-09	4.39E-05	2.05E-04	1.02E-04	2.25E-04	2.19E-04	3.39E-03
5238	487863.09	3865377.25	0.00063	0.00142	0.00076	0.00179	0.00064	0.00159	0.00141	0.00142	3.02E-03	6.04E-05	1.82E-09	4.34E-05	1.38E-04	1.03E-04	2.30E-04	2.22E-04	3.38E-03
5239	488363.09	3865377.25	0.00065	0.00145	0.00071	0.00171	0.00051	0.00154	0.00143	0.00145	3.12E-03	6.17E-05	1.70E-09	4.14E-05	1.10E-04	9.96E-05	2.33E-04	2.27E-04	3.44E-03
5240	488863.09	3865377.25	0.00068	0.0015	0.00083	0.00188	0.0004	0.00151	0.00146	0.0015	3.26E-03	6.38E-05	1.99E-09	4.55E-05	8.63E-05	9.77E-05	2.38E-04	2.35E-04	3.56E-03

5241	489363.09	3865377.25	0.00074	0.00154	0.00089	0.0016	0.00047	0.00152	0.0015	0.00154	3.55E-03	6.55E-05	2.13E-09	3.88E-05	1.01E-04	9.83E-05	2.45E-04	2.41E-04	3.86E-03
5242	489863.09	3865377.25	0.00083	0.00157	0.00077	0.00146	0.00058	0.00158	0.00152	0.00157	3.98E-03	6.68E-05	1.85E-09	3.54E-05	1.25E-04	1.02E-04	2.48E-04	2.46E-04	4.31E-03
5243	490363.09	3865377.25	0.00103	0.00141	0.00066	0.00146	0.00048	0.00164	0.00137	0.00141	4.94E-03	6.00E-05	1.58E-09	3.54E-05	1.04E-04	1.06E-04	2.24E-04	2.21E-04	5.25E-03
5244	490863.09	3865377.25	0.00121	0.00137	0.00071	0.00148	0.00041	0.00175	0.00131	0.00137	5.81E-03	5.83E-05	1.70E-09	3.59E-05	8.84E-05	1.13E-04	2.14E-04	2.15E-04	6.10E-03
5245	491363.09	3865377.25	0.00135	0.00134	0.00075	0.00144	0.00064	0.0018	0.00129	0.00134	6.48E-03	5.70E-05	1.80E-09	3.49E-05	1.38E-04	1.16E-04	2.11E-04	2.10E-04	6.83E-03
5246	491863.09	3865377.25	0.00137	0.00134	0.00063	0.00148	0.00111	0.00178	0.00132	0.00134	6.57E-03	5.70E-05	1.51E-09	3.59E-05	2.39E-04	1.15E-04	2.15E-04	2.10E-04	7.03E-03
5247	492363.09	3865377.25	0.00132	0.00113	0.00061	0.00136	0.00152	0.00147	0.00116	0.00113	6.33E-03	4.81E-05	1.46E-09	3.29E-05	3.28E-04	9.51E-05	1.89E-04	1.77E-04	6.85E-03
5248	492863.09	3865377.25	0.00112	0.00095	0.00061	0.00119	0.00134	0.00122	0.00102	0.00095	5.37E-03	4.04E-05	1.46E-09	2.88E-05	2.89E-04	7.89E-05	1.66E-04	1.49E-04	5.83E-03
5249	493363.09	3865377.25	0.00091	0.00087	0.0005	0.00108	0.00097	0.00105	0.00093	0.00087	4.37E-03	3.70E-05	1.20E-09	2.62E-05	2.09E-04	6.79E-05	1.52E-04	1.36E-04	4.72E-03
5250	493863.09	3865377.25	0.00099	0.00098	0.00061	0.00134	0.0013	0.00128	0.00103	0.00098	4.75E-03	4.17E-05	1.46E-09	3.25E-05	2.80E-04	8.28E-05	1.68E-04	1.54E-04	5.20E-03
5251	494363.09	3865377.25	0.00102	0.00113	0.00074	0.00154	0.00124	0.00145	0.00114	0.00113	4.89E-03	4.81E-05	1.77E-09	3.73E-05	2.67E-04	9.38E-05	1.86E-04	1.77E-04	5.35E-03
5252	494863.09	3865377.25	0.00102	0.00125	0.00076	0.00156	0.00096	0.00151	0.00121	0.00125	4.89E-03	5.32E-05	1.82E-09	3.78E-05	2.07E-04	9.77E-05	1.98E-04	1.96E-04	5.29E-03
5253	495363.09	3865377.25	0.00103	0.00131	0.00079	0.00153	0.00083	0.00151	0.00125	0.00131	4.94E-03	5.57E-05	1.89E-09	3.71E-05	1.79E-04	9.77E-05	2.04E-04	2.05E-04	5.31E-03
5254	495863.09	3865377.25	0.00103	0.00139	0.00082	0.00158	0.00083	0.00154	0.00138	0.00139	4.94E-03	5.91E-05	1.97E-09	3.83E-05	1.79E-04	9.96E-05	2.25E-04	2.18E-04	5.33E-03
5255	496363.09	3865377.25	0.00104	0.00129	0.00079	0.00161	0.00094	0.00154	0.00132	0.00129	4.99E-03	5.49E-05	1.89E-09	3.90E-05	2.03E-04	9.96E-05	2.15E-04	2.02E-04	5.40E-03
5256	496863.09	3865377.25	0.00106	0.00125	0.00074	0.00162	0.00102	0.00154	0.00129	0.00125	5.09E-03	5.32E-05	1.77E-09	3.92E-05	2.20E-04	9.96E-05	2.11E-04	1.96E-04	5.51E-03
5257	497363.09	3865377.25	0.00106	0.00138	0.00069	0.00158	0.00099	0.00155	0.00137	0.00138	5.09E-03	5.87E-05	1.65E-09	3.83E-05	2.14E-04	1.00E-04	2.24E-04	2.16E-04	5.51E-03
5258	497863.09	3865377.25	0.00107	0.00142	0.00068	0.00153	0.00093	0.00154	0.00138	0.00142	5.13E-03	6.04E-05	1.63E-09	3.71E-05	2.01E-04	9.96E-05	2.25E-04	2.22E-04	5.54E-03
5259	498363.09	3865377.25	0.00109	0.00139	0.0007	0.00151	0.00089	0.00152	0.00135	0.00139	5.23E-03	5.91E-05	1.68E-09	3.66E-05	1.92E-04	9.83E-05	2.20E-04	2.18E-04	5.62E-03
5260	471363.09	3865877.25	0.00095	0.00082	0.00061	0.00091	0.00091	0.00103	0.0008	0.00082	4.56E-03	3.49E-05	1.46E-09	2.20E-05	1.96E-04	6.66E-05	1.31E-04	1.28E-04	4.88E-03
5261	471863.09	3865877.25	0.00095	0.00084	0.00063	0.00093	0.00093	0.00105	0.00082	0.00084	4.56E-03	3.57E-05	1.51E-09	2.25E-05	2.01E-04	6.79E-05	1.34E-04	1.32E-04	4.89E-03
5262	472363.09	3865877.25	0.00096	0.00085	0.00065	0.00095	0.00098	0.00106	0.00083	0.00085	4.61E-03	3.62E-05	1.56E-09	2.30E-05	2.11E-04	6.86E-05	1.35E-04	1.33E-04	4.95E-03
5263	472863.09	3865877.25	0.00095	0.00086	0.00068	0.00096	0.00102	0.00108	0.00084	0.00086	4.56E-03	3.66E-05	1.63E-09	2.33E-05	2.20E-04	6.99E-05	1.37E-04	1.35E-04	4.91E-03
5264	473363.09	3865877.25	0.00095	0.00087	0.00069	0.00097	0.00107	0.0011	0.00085	0.00087	4.56E-03	3.70E-05	1.65E-09	2.35E-05	2.31E-04	7.12E-05	1.39E-04	1.36E-04	4.92E-03
5265	473863.09	3865877.25	0.00095	0.00089	0.0007	0.00098	0.00112	0.00112	0.00086	0.00089	4.56E-03	3.79E-05	1.68E-09	2.37E-05	2.42E-04	7.25E-05	1.40E-04	1.39E-04	4.94E-03
5266	474363.09	3865877.25	0.00095	0.0009	0.00069	0.00099	0.00116	0.00114	0.00088	0.0009	4.56E-03	3.83E-05	1.65E-09	2.40E-05	2.50E-04	7.38E-05	1.44E-04	1.41E-04	4.95E-03
5267	474863.09	3865877.25	0.00096	0.00092	0.00069	0.00101	0.00119	0.00117	0.00089	0.00092	4.61E-03	3.91E-05	1.65E-09	2.45E-05	2.57E-04	7.57E-05	1.45E-04	1.44E-04	5.00E-03
5268	475363.09	3865877.25	0.00096	0.00093	0.00069	0.00103	0.00119	0.00119	0.0009	0.00093	4.61E-03	3.96E-05	1.65E-09	2.50E-05	2.57E-04	7.70E-05	1.47E-04	1.46E-04	5.01E-03
5269	475863.09	3865877.25	0.00097	0.00095	0.00071	0.00106	0.00117	0.00122	0.00092	0.00095	4.65E-03	4.04E-05	1.70E-09	2.57E-05	2.52E-04	7.89E-05	1.50E-04	1.49E-04	5.05E-03
5270	476363.09	3865877.25	0.00102	0.00095	0.0007	0.00111	0.00121	0.00124	0.00093	0.00095	4.89E-03	4.04E-05	1.68E-09	2.69E-05	2.61E-04	8.02E-05	1.52E-04	1.49E-04	5.31E-03
5271	476863.09	3865877.25	0.00106	0.00093	0.00066	0.00112	0.0012	0.00123	0.00092	0.00093	5.09E-03	3.96E-05	1.58E-09	2.71E-05	2.59E-04	7.96E-05	1.50E-04	1.46E-04	5.50E-03
5272	477363.09	3865877.25	0.00102	0.00099	0.00074	0.00118	0.00124	0.00129	0.00096	0.00099	4.89E-03	4.21E-05	1.77E-09	2.86E-05	2.67E-04	8.35E-05	1.57E-04	1.55E-04	5.32E-03
5273	477863.09	3865877.25	0.001	0.001	0.00082	0.0012	0.00119	0.00132	0.00098	0.001	4.80E-03	4.25E-05	1.97E-09	2.91E-05	2.57E-04	8.54E-05	1.60E-04	1.57E-04	5.22E-03
5274	478363.09	3865877.25	0.00099	0.00101	0.00084	0.00122	0.00111	0.00134	0.00099	0.00101	4.75E-03	4.30E-05	2.01E-09	2.96E-05	2.39E-04	8.67E-05	1.62E-04	1.58E-04	5.15E-03
5275	478863.09	3865877.25	0.00097	0.00102	0.00082	0.00124	0.00099	0.00135	0.001	0.00102	4.65E-03	4.34E-05	1.97E-09	3.00E-05	2.14E-04	8.73E-05	1.63E-04	1.60E-04	5.03E-03
5276	479363.09	3865877.25	0.00095	0.00103	0.00079	0.00125	0.00089	0.00136	0.00101	0.00103	4.56E-03	4.38E-05	1.89E-09	3.03E-05	1.92E-04	8.80E-05	1.65E-04	1.61E-04	4.92E-03
5277	479863.09	3865877.25	0.00092	0.00104	0.00077	0.00125	0.00081	0.00137	0.00102	0.00104	4.41E-03	4.43E-05	1.85E-09	3.03E-05	1.75E-04	8.86E-05	1.66E-04	1.63E-04	4.76E-03
5278	480363.09	3865877.25	0.00089	0.00106	0.00072	0.00127	0.00077	0.00137	0.00103	0.00106	4.27E-03	4.51E-05	1.73E-09	3.08E-05	1.66E-04	8.86E-05	1.68E-04	1.66E-04	4.60E-03
5279	480863.09	3865877.25	0.00086	0.00107	0.0007	0.00129	0.00077	0.00138	0.00105	0.00107	4.13E-03	4.55E-05	1.68E-09	3.13E-05	1.66E-04	8.93E-05	1.71E-04	1.68E-04	4.46E-03
5280	481363.09	3865877.25	0.00085	0.0011	0.00076	0.00132	0.00083	0.0014	0.00107	0.0011	4.08E-03	4.68E-05	1.82E-09	3.20E-05	1.79E-04	9.06E-05	1.75E-04	1.72E-04	4.43E-03
5281	481863.09	3865877.25	0.00085	0.00111	0.00087	0.00134	0.00095	0.00143	0.00108	0.00111	4.08E-03	4.72E-05	2.09E-09	3.25E-05	2.05E-04	9.25E-05	1.76E-04	1.74E-04	4.46E-03
5282	482363.09	3865877.25	0.00085	0.00112	0.00092	0.00135	0.00108	0.00145	0.0011	0.00112	4.08E-03	4.77E-05	2.21E-09	3.27E-05	2.33E-04	9.38E-05	1.80E-04	1.75E-04	4.49E-03
5283	482863.09	3865877.25	0.00083	0.00114	0.0009	0.00135	0.0011	0.00146	0.00111	0.00114	3.98E-03	4.85E-05	2.16E-09	3.27E-05	2.37E-04	9.45E-05	1.81E-04	1.79E-04	4.40E-03
5284	483363.09	3865877.25	0.00081	0.00116	0.00091	0.00135	0.00097	0.00147	0.00113	0.00116	3.89E-03	4.94E-05	2.18E-09	3.27E-05	2.09E-04	9.51E-05	1.84E-04	1.82E-04	4.28E-03
5285	483863.09	3865877.25	0.00078	0.00117	0.00086	0.00136	0.00076	0.00149	0.00115	0.00117	3.74E-03	4.98E-05	2.06E-09	3.29E-05	1.64E-04	9.64E-05	1.88E-04	1.83E-04	4.09E-03
5286	484363.09	3865877.25	0.00075	0.00119	0.00077	0.0014	0.00062	0.0015	0.00117	0.00119	3.60E-03	5.06E-05	1.85E-09	3.39E-05	1.34E-04	9.71E-05	1.91E-04	1.86E-04	3.92E-03
5287	484863.09	3865877.25	0.00071	0.00121	0.00075	0.00145	0.00062	0.0015	0.00119	0.00121	3.41E-03	5.15E-05	1.80E-09	3.51E-05	1.34E-04	9.71E-05	1.94E-04	1.90E-04	3.73E-03
5288	485363.09	3865877.25	0.00067	0.00122	0.00076	0.00149	0.00057	0.00151	0.00121	0.00122	3.22E-03	5.19E-05	1.82E-09	3.61E-05	1.23E-04	9.77E-05	1.98E-04	1.91E-04	3.53E-03
5289	485863.09	3865877.25	0.00065	0.00124	0.0008	0.00155	0.00048	0.00149	0.00122	0.00124	3.12E-03	5.28E-05	1.92E-09	3.76E-05	1.04E-04	9.64E-05	1.99E-04	1.94E-04	3.41E-03
5290	486363.09	3865877.25	0.00061	0.00125	0.00087	0.00159	0.00072	0.00147	0.00123	0.00125	2.93E-03	5.32E-05	2.09E-09	3.85E-05	1.55E-04	9.51E-05	2.01E-04	1.96E-04	3.27E-03
5291	486863.09	3865877.25	0.00058	0.00126	0.00082	0.00159	0.00103	0.00147	0.00125	0.00126	2.78E-03	5.36E-05	1.97E-09	3.85E-05	2.22E-04	9.51E-05	2.04E-04	1.97E-04	3.20E-03
5292	487363.09	3865877.25	0.00057	0.00128	0.00072	0.0016	0.00087	0.00145	0.00127	0.00128	2.74E-03	5.45E-05	1.73E-09	3.88E-05	1.88E-04	9.38E-05	2.07E-04	2.01E-04	3.12E-03
5293	487863.09	3865877.25	0.00056	0.00131	0.00069	0.00151	0.00059	0.00143	0.0013	0.00131	2.69E-03	5.57E-05	1.65E-09	3.66E-05	1.27E-04	9.25E-05	2.12E-04	2.05E-04	3.01E-03
5294	488363.09	3865877.25	0.00056	0.00134	0.00063	0.00149	0.00048	0.00137	0.00133	0.00134	2.69E-03	5.70E-05	1.51E-09	3.61E-05	1.04E-04	8.86E-05	2.17E-04	2.10E-04	2.98E-03
5295	488863.09	3865877.25	0.00059	0.00138	0.00077	0.00166	0.00037	0.00136	0.00135	0.00138	2.83E-03	5.87E-05	1.85E-09	4.02E-05	7.98E-05	8.80E-05	2.20E-04	2.16E-04	3.10E-03
5296	489363.09	3865877.25	0.00064	0.00141	0.00084	0.00141	0.00041	0.00138	0.00137	0.00141	3.07E-03	6.00E-05	2.01E-09	3.42E-05	8.84E-05	8.93E-05	2.24E-04	2.21E-04	3.35E-03
5297	489863.09	3865877.25	0.00072	0.00142	0.00074	0.00129	0.00053	0.00142	0.00138	0.00142	3.46E-03	6.04E-05	1.77E-09	3.13E-05	1.14E-04	9.19E-05	2.25E-04	2.22E-04	3.76E-03

5298	490363.09	3865877.25	0.00085	0.00137	0.00065	0.00133	0.00049	0.00147	0.00133	0.00137	4.08E-03	5.83E-05	1.56E-09	3.22E-05	1.06E-04	9.51E-05	2.17E-04	2.15E-04	4.37E-03
5299	490863.09	3865877.25	0.00102	0.00128	0.00061	0.00134	0.00036	0.00158	0.00123	0.00128	4.89E-03	5.45E-05	1.46E-09	3.25E-05	7.76E-05	1.02E-04	2.01E-04	2.01E-04	5.16E-03
5300	491363.09	3865877.25	0.00119	0.00119	0.0007	0.00124	0.0004	0.00158	0.00115	0.00119	5.71E-03	5.06E-05	1.68E-09	3.00E-05	8.63E-05	1.02E-04	1.88E-04	1.86E-04	5.98E-03
5301	491863.09	3865877.25	0.00127	0.00119	0.00061	0.00125	0.00075	0.00159	0.00116	0.00119	6.09E-03	5.06E-05	1.46E-09	3.03E-05	1.62E-04	1.03E-04	1.89E-04	1.86E-04	6.44E-03
5302	492363.09	3865877.25	0.00127	0.00112	0.00056	0.00128	0.00121	0.0015	0.00113	0.00112	6.09E-03	4.77E-05	1.34E-09	3.10E-05	2.61E-04	9.71E-05	1.84E-04	1.75E-04	6.54E-03
5303	492863.09	3865877.25	0.00115	0.00092	0.00058	0.00112	0.00132	0.00119	0.00097	0.00092	5.52E-03	3.91E-05	1.39E-09	2.71E-05	2.85E-04	7.70E-05	1.58E-04	1.44E-04	5.96E-03
5304	493363.09	3865877.25	0.00099	0.00088	0.00055	0.00113	0.00124	0.00111	0.00094	0.00088	4.75E-03	3.74E-05	1.32E-09	2.74E-05	2.67E-04	7.18E-05	1.53E-04	1.38E-04	5.17E-03
5305	493863.09	3865877.25	0.00093	0.00092	0.00055	0.00126	0.00118	0.00121	0.00098	0.00092	4.46E-03	3.91E-05	1.32E-09	3.05E-05	2.54E-04	7.83E-05	1.60E-04	1.44E-04	4.88E-03
5306	494363.09	3865877.25	0.00093	0.00099	0.00064	0.00138	0.00127	0.00129	0.00104	0.00099	4.46E-03	4.21E-05	1.53E-09	3.34E-05	2.74E-04	8.35E-05	1.70E-04	1.55E-04	4.91E-03
5307	494863.09	3865877.25	0.00091	0.00113	0.0007	0.00146	0.00108	0.00138	0.00114	0.00113	4.37E-03	4.81E-05	1.68E-09	3.54E-05	2.33E-04	8.93E-05	1.86E-04	1.77E-04	4.78E-03
5308	495363.09	3865877.25	0.00091	0.00117	0.0007	0.0014	0.00088	0.0014	0.00113	0.00117	4.37E-03	4.98E-05	1.68E-09	3.39E-05	1.90E-04	9.06E-05	1.84E-04	1.83E-04	4.73E-03
5309	495863.09	3865877.25	0.00093	0.00117	0.00073	0.00133	0.00075	0.00137	0.00112	0.00117	4.46E-03	4.98E-05	1.75E-09	3.22E-05	1.62E-04	8.86E-05	1.83E-04	1.83E-04	4.79E-03
5310	496363.09	3865877.25	0.00094	0.00112	0.00073	0.00131	0.00069	0.00132	0.00111	0.00112	4.51E-03	4.77E-05	1.75E-09	3.17E-05	1.49E-04	8.54E-05	1.81E-04	1.75E-04	4.83E-03
5311	496863.09	3865877.25	0.00095	0.00106	0.00071	0.00136	0.00083	0.00133	0.0011	0.00106	4.56E-03	4.51E-05	1.70E-09	3.29E-05	1.79E-04	8.61E-05	1.80E-04	1.66E-04	4.92E-03
5312	497363.09	3865877.25	0.00096	0.00109	0.00068	0.00142	0.00093	0.00138	0.00113	0.00109	4.61E-03	4.64E-05	1.63E-09	3.44E-05	2.01E-04	8.93E-05	1.84E-04	1.71E-04	4.99E-03
5313	497863.09	3865877.25	0.00096	0.00114	0.00063	0.00138	0.00093	0.00139	0.00116	0.00114	4.61E-03	4.85E-05	1.51E-09	3.34E-05	2.01E-04	8.99E-05	1.89E-04	1.79E-04	4.99E-03
5314	498363.09	3865877.25	0.00099	0.00107	0.00057	0.00127	0.00086	0.00136	0.00105	0.00107	4.75E-03	4.55E-05	1.37E-09	3.08E-05	1.85E-04	8.80E-05	1.71E-04	1.68E-04	5.10E-03
5315	471363.09	3866377.25	0.0009	0.0008	0.00061	0.00088	0.0009	0.00098	0.00079	0.0008	4.32E-03	3.40E-05	1.46E-09	2.13E-05	1.94E-04	6.34E-05	1.29E-04	1.25E-04	4.64E-03
5316	471863.09	3866377.25	0.0009	0.00081	0.00063	0.0009	0.00094	0.001	0.0008	0.00081	4.32E-03	3.45E-05	1.51E-09	2.18E-05	2.03E-04	6.47E-05	1.31E-04	1.27E-04	4.65E-03
5317	472363.09	3866377.25	0.0009	0.00083	0.00065	0.00091	0.00099	0.00101	0.00081	0.00083	4.32E-03	3.53E-05	1.56E-09	2.20E-05	2.14E-04	6.53E-05	1.32E-04	1.30E-04	4.66E-03
5318	472863.09	3866377.25	0.00089	0.00084	0.00066	0.00091	0.00102	0.00103	0.00082	0.00084	4.27E-03	3.57E-05	1.58E-09	2.20E-05	2.20E-04	6.66E-05	1.34E-04	1.32E-04	4.62E-03
5319	473363.09	3866377.25	0.00089	0.00085	0.00065	0.00092	0.00107	0.00105	0.00083	0.00085	4.27E-03	3.62E-05	1.56E-09	2.23E-05	2.31E-04	6.79E-05	1.35E-04	1.33E-04	4.63E-03
5320	473863.09	3866377.25	0.00089	0.00087	0.00064	0.00093	0.0011	0.00107	0.00084	0.00087	4.27E-03	3.70E-05	1.53E-09	2.25E-05	2.37E-04	6.92E-05	1.37E-04	1.36E-04	4.64E-03
5321	474363.09	3866377.25	0.00089	0.00088	0.00063	0.00095	0.00111	0.00109	0.00086	0.00088	4.27E-03	3.74E-05	1.51E-09	2.30E-05	2.39E-04	7.05E-05	1.40E-04	1.38E-04	4.64E-03
5322	474863.09	3866377.25	0.00089	0.00089	0.00063	0.00097	0.0011	0.00112	0.00087	0.00089	4.27E-03	3.79E-05	1.51E-09	2.35E-05	2.37E-04	7.25E-05	1.42E-04	1.39E-04	4.64E-03
5323	475363.09	3866377.25	0.00089	0.0009	0.00064	0.001	0.00107	0.00114	0.00088	0.0009	4.27E-03	3.83E-05	1.53E-09	2.42E-05	2.31E-04	7.38E-05	1.44E-04	1.41E-04	4.64E-03
5324	475863.09	3866377.25	0.0009	0.00091	0.00066	0.00103	0.00107	0.00117	0.00089	0.00091	4.32E-03	3.87E-05	1.58E-09	2.50E-05	2.31E-04	7.57E-05	1.45E-04	1.43E-04	4.69E-03
5325	476363.09	3866377.25	0.00094	0.00092	0.00067	0.00108	0.00114	0.00119	0.0009	0.00092	4.51E-03	3.91E-05	1.61E-09	2.62E-05	2.46E-04	7.70E-05	1.47E-04	1.44E-04	4.90E-03
5326	476863.09	3866377.25	0.00099	0.00087	0.00062	0.00109	0.00116	0.00117	0.00087	0.00087	4.75E-03	3.70E-05	1.49E-09	2.64E-05	2.50E-04	7.57E-05	1.42E-04	1.36E-04	5.15E-03
5327	477363.09	3866377.25	0.00097	0.00092	0.00073	0.00113	0.00116	0.00123	0.00091	0.00092	4.65E-03	3.91E-05	1.75E-09	2.74E-05	2.50E-04	7.96E-05	1.49E-04	1.44E-04	5.06E-03
5328	477863.09	3866377.25	0.00093	0.00096	0.0008	0.00115	0.00103	0.00126	0.00093	0.00096	4.46E-03	4.08E-05	1.92E-09	2.79E-05	2.22E-04	8.15E-05	1.52E-04	1.50E-04	4.84E-03
5329	478363.09	3866377.25	0.00091	0.00096	0.00077	0.00115	0.00091	0.00126	0.00094	0.00096	4.37E-03	4.08E-05	1.85E-09	2.79E-05	1.96E-04	8.15E-05	1.53E-04	1.50E-04	4.72E-03
5330	478863.09	3866377.25	0.00089	0.00097	0.00074	0.00115	0.00082	0.00127	0.00095	0.00097	4.27E-03	4.13E-05	1.77E-09	2.79E-05	1.77E-04	8.22E-05	1.55E-04	1.52E-04	4.60E-03
5331	479363.09	3866377.25	0.00086	0.00098	0.00073	0.00116	0.00075	0.00127	0.00096	0.00098	4.13E-03	4.17E-05	1.75E-09	2.81E-05	1.62E-04	8.22E-05	1.57E-04	1.54E-04	4.44E-03
5332	479863.09	3866377.25	0.00083	0.00099	0.0007	0.00118	0.00072	0.00127	0.00097	0.00099	3.98E-03	4.21E-05	1.68E-09	2.86E-05	1.55E-04	8.22E-05	1.58E-04	1.55E-04	4.29E-03
5333	480363.09	3866377.25	0.0008	0.001	0.00067	0.00121	0.00071	0.00126	0.00098	0.001	3.84E-03	4.25E-05	1.61E-09	2.93E-05	1.53E-04	8.15E-05	1.60E-04	1.57E-04	4.15E-03
5334	480863.09	3866377.25	0.00077	0.00102	0.00069	0.00122	0.00074	0.00127	0.00099	0.00102	3.70E-03	4.34E-05	1.65E-09	2.96E-05	1.60E-04	8.22E-05	1.62E-04	1.60E-04	4.01E-03
5335	481363.09	3866377.25	0.00077	0.00104	0.00078	0.00123	0.00084	0.0013	0.00101	0.00104	3.70E-03	4.43E-05	1.87E-09	2.98E-05	1.81E-04	8.41E-05	1.65E-04	1.63E-04	4.04E-03
5336	481863.09	3866377.25	0.00077	0.00105	0.00085	0.00122	0.00096	0.00133	0.00102	0.00105	3.70E-03	4.47E-05	2.04E-09	2.96E-05	2.07E-04	8.61E-05	1.66E-04	1.64E-04	4.06E-03
5337	482363.09	3866377.25	0.00076	0.00106	0.00085	0.00122	0.00102	0.00135	0.00103	0.00106	3.65E-03	4.51E-05	2.04E-09	2.96E-05	2.20E-04	8.73E-05	1.68E-04	1.66E-04	4.03E-03
5338	482863.09	3866377.25	0.00075	0.00107	0.00082	0.00122	0.00096	0.00136	0.00105	0.00107	3.60E-03	4.55E-05	1.97E-09	2.96E-05	2.07E-04	8.80E-05	1.71E-04	1.68E-04	3.97E-03
5339	483363.09	3866377.25	0.00074	0.00108	0.00082	0.00123	0.0008	0.00137	0.00106	0.00108	3.55E-03	4.60E-05	1.97E-09	2.98E-05	1.73E-04	8.86E-05	1.73E-04	1.69E-04	3.89E-03
5340	483863.09	3866377.25	0.00072	0.0011	0.00077	0.00126	0.00062	0.00139	0.00108	0.0011	3.46E-03	4.68E-05	1.85E-09	3.05E-05	1.34E-04	8.99E-05	1.76E-04	1.72E-04	3.76E-03
5341	484363.09	3866377.25	0.00068	0.0011	0.00072	0.0013	0.00056	0.00139	0.00109	0.0011	3.26E-03	4.68E-05	1.73E-09	3.15E-05	1.21E-04	8.99E-05	1.78E-04	1.72E-04	3.56E-03
5342	484863.09	3866377.25	0.00064	0.00112	0.00072	0.00134	0.00058	0.00138	0.0011	0.00112	3.07E-03	4.77E-05	1.73E-09	3.25E-05	1.25E-04	8.93E-05	1.80E-04	1.75E-04	3.37E-03
5343	485363.09	3866377.25	0.00059	0.00113	0.00073	0.00138	0.00049	0.00136	0.00112	0.00113	2.83E-03	4.81E-05	1.75E-09	3.34E-05	1.06E-04	8.80E-05	1.83E-04	1.77E-04	3.11E-03
5344	485863.09	3866377.25	0.00058	0.00115	0.00075	0.00142	0.00045	0.00135	0.00114	0.00115	2.78E-03	4.89E-05	1.80E-09	3.44E-05	9.71E-05	8.73E-05	1.86E-04	1.80E-04	3.06E-03
5345	486363.09	3866377.25	0.00056	0.00117	0.0008	0.00142	0.00073	0.00135	0.00116	0.00117	2.69E-03	4.98E-05	1.92E-09	3.44E-05	1.57E-04	8.73E-05	1.89E-04	1.83E-04	3.02E-03
5346	486863.09	3866377.25	0.00054	0.00119	0.00073	0.00144	0.00099	0.00136	0.00118	0.00119	2.59E-03	5.06E-05	1.75E-09	3.49E-05	2.14E-04	8.80E-05	1.93E-04	1.86E-04	2.98E-03
5347	487363.09	3866377.25	0.00054	0.00121	0.0007	0.00143	0.00082	0.00135	0.0012	0.00121	2.59E-03	5.15E-05	1.68E-09	3.46E-05	1.77E-04	8.73E-05	1.96E-04	1.90E-04	2.95E-03
5348	487863.09	3866377.25	0.00053	0.00121	0.00064	0.0013	0.00056	0.0013	0.0012	0.00121	2.54E-03	5.15E-05	1.53E-09	3.15E-05	1.21E-04	8.41E-05	1.96E-04	1.90E-04	2.84E-03
5349	488363.09	3866377.25	0.00051	0.00123	0.0006	0.00134	0.00046	0.00125	0.00122	0.00123	2.45E-03	5.23E-05	1.44E-09	3.25E-05	9.92E-05	8.09E-05	1.99E-04	1.93E-04	2.72E-03
5350	488863.09	3866377.25	0.00053	0.00119	0.00072	0.00149	0.00036	0.0012	0.00118	0.00119	2.54E-03	5.06E-05	1.73E-09	3.61E-05	7.76E-05	7.76E-05	1.93E-04	1.86E-04	2.79E-03
5351	489363.09	3866377.25	0.00059	0.00116	0.00077	0.00124	0.00036	0.0012	0.00115	0.00116	2.83E-03	4.94E-05	1.85E-09	3.00E-05	7.76E-05	7.76E-05	1.88E-04	1.82E-04	3.07E-03
5352	489863.09	3866377.25	0.00067	0.00111	0.00066	0.00105	0.0005	0.0012	0.00109	0.00111	3.22E-03	4.72E-05	1.58E-09	2.54E-05	1.08E-04	7.76E-05	1.78E-04	1.74E-04	3.48E-03
5353	490363.09	3866377.25	0.00073	0.00125	0.00062	0.00118	0.00049	0.00131	0.00121	0.00125	3.50E-03	5.32E-05	1.49E-09	2.86E-05	1.06E-04	8.48E-05	1.98E-04	1.96E-04	3.78E-03
5354	490863.09	3866377.25	0.00084	0.00128	0.0006	0.00126	0.00035	0.00142	0.00124	0.00128	4.03E-03	5.45E-05	1.44E-09	3.05E-05	7.55E-05	9.19E-05	2.02E-04	2.01E-04	4.29E-03

5355	491363.09	3866377.25	0.00099	0.00123	0.00065	0.0012	0.00034	0.0015	0.00118	0.00123	4.75E-03	5.23E-05	1.56E-09	2.91E-05	7.33E-05	9.71E-05	1.93E-04	1.93E-04	5.00E-03
5356	491863.09	3866377.25	0.00115	0.00102	0.00059	0.00107	0.00049	0.00139	0.001	0.00102	5.52E-03	4.34E-05	1.42E-09	2.59E-05	1.06E-04	8.99E-05	1.63E-04	1.60E-04	5.79E-03
5357	492363.09	3866377.25	0.00119	0.00103	0.00053	0.00113	0.00089	0.00143	0.00102	0.00103	5.71E-03	4.38E-05	1.27E-09	2.74E-05	1.92E-04	9.25E-05	1.66E-04	1.61E-04	6.07E-03
5358	492863.09	3866377.25	0.00115	0.00094	0.00054	0.00112	0.00123	0.00125	0.00096	0.00094	5.52E-03	4.00E-05	1.30E-09	2.71E-05	2.65E-04	8.09E-05	1.57E-04	1.47E-04	5.94E-03
5359	493363.09	3866377.25	0.00105	0.00093	0.00063	0.00116	0.00142	0.00121	0.00096	0.00093	5.04E-03	3.96E-05	1.51E-09	2.81E-05	3.06E-04	7.83E-05	1.57E-04	1.46E-04	5.50E-03
5360	493863.09	3866377.25	0.00094	0.00094	0.00059	0.00124	0.00125	0.00122	0.00098	0.00094	4.51E-03	4.00E-05	1.42E-09	3.00E-05	2.70E-04	7.89E-05	1.60E-04	1.47E-04	4.94E-03
5361	494363.09	3866377.25	0.00085	0.00099	0.00058	0.00134	0.0012	0.00123	0.00104	0.00099	4.08E-03	4.21E-05	1.39E-09	3.25E-05	2.59E-04	7.96E-05	1.70E-04	1.55E-04	4.51E-03
5362	494863.09	3866377.25	0.00083	0.00098	0.00062	0.00133	0.00115	0.00123	0.00102	0.00098	3.98E-03	4.17E-05	1.49E-09	3.22E-05	2.48E-04	7.96E-05	1.66E-04	1.54E-04	4.40E-03
5363	495363.09	3866377.25	0.00083	0.00096	0.00062	0.00124	0.00096	0.00122	0.00096	0.00096	3.98E-03	4.08E-05	1.49E-09	3.00E-05	2.07E-04	7.89E-05	1.57E-04	1.50E-04	4.35E-03
5364	495863.09	3866377.25	0.00084	0.00096	0.00062	0.00115	0.00072	0.00121	0.00092	0.00096	4.03E-03	4.08E-05	1.49E-09	2.79E-05	1.55E-04	7.83E-05	1.50E-04	1.50E-04	4.33E-03
5365	496363.09	3866377.25	0.00086	0.00097	0.00065	0.00111	0.00058	0.00117	0.00091	0.00097	4.13E-03	4.13E-05	1.56E-09	2.69E-05	1.25E-04	7.57E-05	1.49E-04	1.52E-04	4.39E-03
5366	496863.09	3866377.25	0.00087	0.00094	0.00065	0.00109	0.00057	0.00112	0.00092	0.00094	4.18E-03	4.00E-05	1.56E-09	2.64E-05	1.23E-04	7.25E-05	1.50E-04	1.47E-04	4.44E-03
5367	497363.09	3866377.25	0.00087	0.00093	0.00064	0.00118	0.00073	0.00116	0.00097	0.00093	4.18E-03	3.96E-05	1.53E-09	2.86E-05	1.57E-04	7.51E-05	1.58E-04	1.46E-04	4.49E-03
5368	497863.09	3866377.25	0.00087	0.00094	0.00063	0.00124	0.00092	0.00122	0.00099	0.00094	4.18E-03	4.00E-05	1.51E-09	3.00E-05	1.98E-04	7.89E-05	1.62E-04	1.47E-04	4.54E-03
5369	498363.09	3866377.25	0.00088	0.00087	0.00053	0.0011	0.00094	0.00113	0.00089	0.00087	4.22E-03	3.70E-05	1.27E-09	2.66E-05	2.03E-04	7.31E-05	1.45E-04	1.36E-04	4.57E-03
5370	474494.92	3848334.16	0.00807	0.34236	0.00056	0.0009	0.00115	0.00099	0.34514	0.34236	3.87E-02	1.46E-02	1.34E-09	2.18E-05	2.48E-04	6.41E-05	5.63E-02	5.36E-02	5.63E-02
5371	475167.27	3848920.79	0.01949	0.40479	0.00061	0.00098	0.00126	0.00107	0.40716	0.40479	9.35E-02	1.72E-02	1.46E-09	2.37E-05	2.72E-04	6.92E-05	6.65E-02	6.34E-02	1.14E-01
5372	475297.89	3848997.96	0.02249	0.31388	0.00061	0.00099	0.00127	0.00108	0.31794	0.31388	1.08E-01	1.34E-02	1.46E-09	2.40E-05	2.74E-04	6.99E-05	5.19E-02	4.92E-02	1.24E-01
5373	475439.05	3849062	0.02672	0.36494	0.00061	0.001	0.00128	0.00109	0.36946	0.36494	1.28E-01	1.55E-02	1.46E-09	2.42E-05	2.76E-04	7.05E-05	6.03E-02	5.72E-02	1.47E-01
5374	475486.86	3849061.09	0.02347	0.2694	0.00062	0.00099	0.00127	0.00108	0.27239	0.2694	1.13E-01	1.15E-02	1.49E-09	2.40E-05	2.74E-04	6.99E-05	4.45E-02	4.22E-02	1.27E-01
5375	475538.46	3849075.56	0.02424	0.2734	0.00062	0.00099	0.00127	0.00109	0.27625	0.2734	1.16E-01	1.16E-02	1.49E-09	2.40E-05	2.74E-04	7.05E-05	4.51E-02	4.28E-02	1.31E-01
5376	475751.79	3849137.15	0.02403	0.40124	0.00064	0.001	0.00126	0.00111	0.40836	0.40124	1.15E-01	1.71E-02	1.53E-09	2.42E-05	2.72E-04	7.18E-05	6.67E-02	6.29E-02	1.37E-01
5377	476303.62	3849223.38	0.02232	0.36593	0.00072	0.001	0.00122	0.00111	0.36812	0.36593	1.07E-01	1.56E-02	1.73E-09	2.42E-05	2.63E-04	7.18E-05	6.01E-02	5.73E-02	1.26E-01
5378	476304.51	3849238.92	0.02636	0.50774	0.00072	0.00101	0.00123	0.00112	0.51121	0.50774	1.26E-01	2.16E-02	1.73E-09	2.45E-05	2.65E-04	7.25E-05	8.34E-02	7.95E-02	1.52E-01
5379	476365.04	3849247.98	0.02473	0.45273	0.00073	0.00101	0.00122	0.00112	0.4578	0.45273	1.19E-01	1.93E-02	1.75E-09	2.45E-05	2.63E-04	7.25E-05	7.47E-02	7.09E-02	1.42E-01
5380	476444.86	3849267.13	0.025	0.45396	0.00074	0.00101	0.00122	0.00111	0.46186	0.45396	1.20E-01	1.93E-02	1.77E-09	2.45E-05	2.63E-04	7.18E-05	7.54E-02	7.11E-02	1.44E-01
5381	476550.75	3849300.66	0.02566	0.53983	0.00075	0.00101	0.00122	0.00112	0.55589	0.53983	1.23E-01	2.30E-02	1.80E-09	2.45E-05	2.63E-04	7.25E-05	9.07E-02	8.46E-02	1.53E-01
5382	476656.71	3849346.88	0.02714	0.46667	0.00077	0.00102	0.00123	0.00112	0.47603	0.46667	1.30E-01	1.99E-02	1.85E-09	2.47E-05	2.65E-04	7.25E-05	7.77E-02	7.31E-02	1.55E-01
5383	476873.55	3849454.53	0.03021	0.46689	0.00079	0.00104	0.00125	0.00114	0.47272	0.46689	1.45E-01	1.99E-02	1.89E-09	2.52E-05	2.70E-04	7.38E-05	7.72E-02	7.31E-02	1.69E-01
5384	477700	3849859.7	0.04046	0.46082	0.00083	0.00114	0.00133	0.0012	0.45599	0.46082	1.94E-01	1.96E-02	1.99E-09	2.76E-05	2.87E-04	7.76E-05	7.44E-02	7.22E-02	2.16E-01
5385	477743.16	3849856.38	0.03662	0.32683	0.00083	0.00114	0.00132	0.00119	0.32387	0.32683	1.76E-01	1.39E-02	1.99E-09	2.76E-05	2.85E-04	7.70E-05	5.29E-02	5.12E-02	1.92E-01
5386	478477.35	3850216.33	0.0456	0.34193	0.00082	0.00125	0.00141	0.00128	0.33226	0.34193	2.19E-01	1.45E-02	1.97E-09	3.03E-05	3.04E-04	8.28E-05	5.42E-02	5.36E-02	2.34E-01
5387	478485.8	3850201.6	0.03991	0.26301	0.00081	0.00125	0.00141	0.00128	0.25709	0.26301	1.92E-01	1.12E-02	1.94E-09	3.03E-05	3.04E-04	8.28E-05	4.20E-02	4.12E-02	2.04E-01
5388	479113.21	3850501.53	0.05905	0.24237	0.00084	0.00138	0.00155	0.00146	0.23515	0.24237	2.83E-01	1.03E-02	2.01E-09	3.34E-05	3.34E-04	9.45E-05	3.84E-02	3.80E-02	2.95E-01
5389	479108.11	3850382.28	0.02668	0.09713	0.00081	0.00137	0.00153	0.00146	0.09625	0.09713	1.28E-01	4.13E-03	1.94E-09	3.32E-05	3.30E-04	9.45E-05	1.57E-02	1.52E-02	1.33E-01
5390	479689.85	3850674.28	0.06121	0.1011	0.00085	0.00143	0.00164	0.00155	0.09947	0.1011	2.94E-01	4.30E-03	2.04E-09	3.46E-05	3.54E-04	1.00E-04	1.62E-02	1.58E-02	2.99E-01
5391	479952.42	3850774.28	0.04241	0.08754	0.00086	0.00145	0.00168	0.00155	0.08641	0.08754	2.04E-01	3.72E-03	2.06E-09	3.51E-05	3.62E-04	1.00E-04	1.41E-02	1.37E-02	2.08E-01
5392	479911.32	3850884.85	0.0517	0.22809	0.00089	0.00151	0.00169	0.00163	0.21955	0.22809	2.48E-01	9.70E-03	2.13E-09	3.66E-05	3.64E-04	1.05E-04	3.58E-02	3.57E-02	2.58E-01
5393	480500.92	3851178.12	0.04643	0.23404	0.00098	0.00159	0.00179	0.00172	0.23317	0.23404	2.23E-01	9.96E-03	2.35E-09	3.85E-05	3.86E-04	1.11E-04	3.81E-02	3.67E-02	2.35E-01
5394	480738.01	3851289.27	0.04701	0.21944	0.00104	0.00163	0.00182	0.00178	0.22164	0.21944	2.26E-01	9.34E-03	2.49E-09	3.95E-05	3.93E-04	1.15E-04	3.62E-02	3.44E-02	2.37E-01
5395	481055.42	3851443.58	0.04886	0.21208	0.00117	0.00171	0.00186	0.00192	0.21767	0.21208	2.34E-01	9.02E-03	2.81E-09	4.14E-05	4.01E-04	1.24E-04	3.55E-02	3.32E-02	2.46E-01
5396	481110.22	3851443.15	0.03886	0.16041	0.00119	0.00171	0.00185	0.00193	0.16414	0.16041	1.86E-01	6.83E-03	2.85E-09	4.14E-05	3.99E-04	1.25E-04	2.68E-02	2.51E-02	1.96E-01
5397	481111.1	3851417.45	0.03031	0.13038	0.00118	0.0017	0.00184	0.00191	0.13301	0.13038	1.45E-01	5.55E-03	2.83E-09	4.12E-05	3.97E-04	1.24E-04	2.17E-02	2.04E-02	1.53E-01
5398	482248.44	3852605.09	0.03478	0.24637	0.00194	0.00273	0.00241	0.00341	0.24666	0.24637	1.67E-01	1.05E-02	4.65E-09	6.61E-05	5.20E-04	2.21E-04	4.03E-02	3.86E-02	1.80E-01
5399	482273.34	3852632.31	0.03497	0.25155	0.00197	0.00277	0.00243	0.00348	0.25161	0.25155	1.68E-01	1.07E-02	4.72E-09	6.71E-05	5.24E-04	2.25E-04	4.11E-02	3.94E-02	1.81E-01
5400	482665.46	3853038.72	0.04299	0.19911	0.0031	0.00382	0.00271	0.00497	0.20345	0.19911	2.06E-01	8.47E-03	7.43E-09	9.25E-05	5.84E-04	3.22E-04	3.32E-02	3.12E-02	2.18E-01
5401	483077.95	3853844.31	0.07396	0.06217	0.00646	0.03216	0.00349	0.15744	0.1271	0.06217	3.55E-01	2.65E-03	1.55E-08	7.79E-04	7.53E-04	1.02E-02	2.07E-02	9.74E-03	3.80E-01
5402	483121.38	3853909.38	0.08546	0.05445	0.00686	0.09715	0.00359	0.53142	0.11748	0.05445	4.10E-01	2.32E-03	1.65E-08	2.35E-03	7.74E-04	3.44E-02	1.92E-02	8.53E-03	4.61E-01
5403	483492.64	3853911.49	0.05854	0.02506	0.00542	0.06758	0.00367	0.0682	0.04031	0.02506	2.81E-01	1.07E-03	1.30E-08	1.64E-03	7.92E-04	4.41E-03	6.58E-03	3.93E-03	2.91E-01
5404	483498.29	3854204.73	0.08985	0.02621	0.00904	0.94301	0.0041	0.38691	0.13125	0.02621	4.31E-01	1.12E-03	2.17E-08	2.28E-02	8.84E-04	2.50E-02	2.14E-02	4.11E-03	4.98E-01
5405	484132.44	3854662.55	0.10964	0.01434	0.05369	0.97196	0.00494	0.28053	0.24327	0.01434	5.26E-01	6.10E-04	1.29E-07	2.35E-02	1.07E-03	1.82E-02	3.97E-02	2.25E-03	6.07E-01
5406	484627.62	3854876.13	0.10916	0.01301	0.04239	1.27016	0.00578	0.21616	0.21469	0.01301	5.24E-01	5.54E-04	1.02E-07	3.08E-02	1.25E-03	1.40E-02	3.50E-02	2.04E-03	6.03E-01
5407	484756.14	3854949.04	0.10805	0.01306	0.03579	1.01984	0.00615	0.24088	0.21471	0.01306	5.19E-01	5.56E-04	8.58E-08	2.47E-02	1.33E-03	1.56E-02	3.50E-02	2.05E-03	5.94E-01
5408	486697.51	3856599.17	0.10161	0.01548	0.01485	0.58599	0.07462	0.17533	0.07693	0.01548	4.88E-01	6.59E-04	3.56E-08	1.42E-02	1.61E-02	1.13E-02	1.26E-02	2.42E-03	5.40E-01
5409	487105.31	3856962.27	0.09886	0.01736	0.01194	0.92573	0.78756	0.18662	0.07105	0.01736	4.74E-01	7.39E-04	2.86E-08	2.24E-02	1.70E-01	1.21E-02	1.16E-02	2.72E-03	6.88E-01
5410	487157.57	3856901.7	0.07887	0.01624	0.01168	0.26523	1.0803	0.10417	0.0533	0.01624	3.78E-01	6.91E-04	2.80E-08	6.43E-03	2.33E-01	6.74E-03	8.70E-03	2.54E-03	6.31E-01
5411	487173.5	3856853.74	0.07232	0.01562	0.01176	0.18326	0.86736	0.08365	0.04676	0.01562	3.47E-01	6.65E-04	2.82E-08	4.44E-03	1.87E-01	5.41E-03	7.63E-03	2.45E-03	5.50E-01

5412	487564.41	3856860.83	0.05179	0.01379	0.01085	0.06918	1.65002	0.04473	0.02808	0.01379	2.49E-01	5.87E-04	2.60E-08	1.68E-03	3.56E-01	2.89E-03	4.58E-03	2.16E-03	6.12E-01
5413	487563.31	3856931.58	0.0543	0.01442	0.0105	0.07891	2.58036	0.0495	0.03038	0.01442	2.61E-01	6.14E-04	2.52E-08	1.91E-03	5.57E-01	3.20E-03	4.96E-03	2.26E-03	8.26E-01
5414	487782.7	3856926.85	0.04687	0.01351	0.0102	0.05677	2.25916	0.03959	0.02447	0.01351	2.25E-01	5.75E-04	2.45E-08	1.38E-03	4.87E-01	2.56E-03	3.99E-03	2.12E-03	7.19E-01
5415	487782.39	3856757.07	0.0432	0.01231	0.01106	0.04643	0.86642	0.03344	0.02134	0.01231	2.07E-01	5.24E-04	2.65E-08	1.12E-03	1.87E-01	2.16E-03	3.48E-03	1.93E-03	4.00E-01
5416	487917.26	3856752.41	0.04032	0.01196	0.0109	0.04113	0.95665	0.03064	0.01945	0.01196	1.93E-01	5.09E-04	2.61E-08	9.96E-04	2.06E-01	1.98E-03	3.17E-03	1.87E-03	4.05E-01
5417	487919.57	3856953.35	0.04395	0.01326	0.01026	0.05039	2.14981	0.03663	0.02241	0.01326	2.11E-01	5.64E-04	2.46E-08	1.22E-03	4.64E-01	2.37E-03	3.66E-03	2.08E-03	6.80E-01
5418	487932.76	3857000.32	0.04473	0.01351	0.01019	0.05256	2.34371	0.03802	0.02306	0.01351	2.15E-01	5.75E-04	2.44E-08	1.27E-03	5.05E-01	2.46E-03	3.76E-03	2.12E-03	7.26E-01
5419	487960.5	3857044.75	0.04511	0.01373	0.01022	0.05386	2.44361	0.03901	0.02342	0.01373	2.16E-01	5.84E-04	2.45E-08	1.30E-03	5.27E-01	2.52E-03	3.82E-03	2.15E-03	7.50E-01
5420	488016.54	3857089.54	0.0448	0.01385	0.01053	0.05356	2.41223	0.03924	0.02324	0.01385	2.15E-01	5.89E-04	2.53E-08	1.30E-03	5.20E-01	2.54E-03	3.79E-03	2.17E-03	7.41E-01
5421	488114.39	3857165.47	0.0442	0.01412	0.01251	0.05297	2.28857	0.03974	0.02293	0.01412	2.12E-01	6.01E-04	3.00E-08	1.28E-03	4.94E-01	2.57E-03	3.74E-03	2.21E-03	7.12E-01
5422	488171.49	3857234.24	0.04444	0.01455	0.01354	0.05427	2.18376	0.04137	0.0232	0.01455	2.13E-01	6.19E-04	3.25E-08	1.31E-03	4.71E-01	2.68E-03	3.79E-03	2.28E-03	6.90E-01
5423	488193.16	3857297.8	0.04548	0.01516	0.01452	0.05752	2.10442	0.04405	0.02404	0.01516	2.18E-01	6.45E-04	3.48E-08	1.39E-03	4.54E-01	2.85E-03	3.92E-03	2.37E-03	6.79E-01
5424	488189.27	3857649.94	0.0602	0.02041	0.03903	0.11255	1.28769	0.0821	0.03545	0.02041	2.89E-01	8.68E-04	9.36E-08	2.73E-03	2.78E-01	5.31E-03	5.79E-03	3.20E-03	5.78E-01
5425	488127.43	3857732.32	0.07214	0.02273	0.05545	0.18864	0.88073	0.123	0.04438	0.02273	3.46E-01	9.67E-04	1.33E-07	4.57E-03	1.90E-01	7.96E-03	7.24E-03	3.56E-03	5.53E-01
5426	488149.93	3857752.94	0.07229	0.02294	0.06018	0.18913	0.59007	0.12781	0.04426	0.02294	3.47E-01	9.76E-04	1.44E-07	4.58E-03	1.27E-01	8.27E-03	7.22E-03	3.59E-03	4.92E-01
5427	488144.76	3857758.71	0.07356	0.02312	0.06172	0.19953	0.55882	0.13323	0.04512	0.02312	3.53E-01	9.84E-04	1.48E-07	4.83E-03	1.21E-01	8.62E-03	7.36E-03	3.62E-03	4.92E-01
5428	488335.58	3857932.55	0.07462	0.02595	0.08269	0.20031	0.08554	0.15539	0.04473	0.02595	3.58E-01	1.10E-03	1.98E-07	4.85E-03	1.84E-02	1.01E-02	7.30E-03	4.07E-03	3.96E-01
5429	488372.29	3857943.79	0.07213	0.02579	0.07964	0.17988	0.08235	0.14296	0.04295	0.02579	3.46E-01	1.10E-03	1.91E-07	4.36E-03	1.78E-02	9.25E-03	7.01E-03	4.04E-03	3.82E-01
5430	488828.64	3857936.4	0.0505	0.02024	0.04783	0.06943	0.08342	0.06645	0.02523	0.02024	2.42E-01	8.61E-04	1.15E-07	1.68E-03	1.80E-02	4.30E-03	4.12E-03	3.17E-03	2.68E-01
5431	488829.08	3857959.58	0.05201	0.02067	0.04772	0.07189	0.07657	0.06804	0.02576	0.02067	2.50E-01	8.79E-04	1.14E-07	1.74E-03	1.65E-02	4.40E-03	4.20E-03	3.24E-03	2.74E-01
5432	488351.61	3857964.55	0.07723	0.02682	0.08308	0.21991	0.07394	0.16254	0.04618	0.02682	3.71E-01	1.14E-03	1.99E-07	5.33E-03	1.59E-02	1.05E-02	7.54E-03	4.20E-03	4.07E-01
5433	488316.87	3857947.65	0.07919	0.02675	0.08616	0.24035	0.0783	0.17453	0.04755	0.02675	3.80E-01	1.14E-03	2.07E-07	5.82E-03	1.69E-02	1.13E-02	7.76E-03	4.19E-03	4.19E-01
5434	488129.1	3857775.77	0.07782	0.02373	0.06665	0.23881	0.45802	0.15304	0.0479	0.02373	3.73E-01	1.01E-03	1.60E-07	5.79E-03	9.88E-02	9.90E-03	7.82E-03	3.72E-03	4.93E-01
5435	488062.53	3857846.13	0.11062	0.02693	0.09314	1.0351	0.11019	0.43653	0.06522	0.02693	5.31E-01	1.15E-03	2.23E-07	2.51E-02	2.38E-02	2.82E-02	1.06E-02	4.22E-03	6.16E-01
5436	488330.41	3858091.34	0.11493	0.03248	0.07787	1.01143	0.04655	0.38681	0.06317	0.03248	5.52E-01	1.38E-03	1.87E-07	2.45E-02	1.00E-02	2.50E-02	1.03E-02	5.09E-03	6.18E-01
5437	488470.87	3858174.45	0.10764	0.03357	0.0549	0.49476	0.03999	0.25199	0.05666	0.03357	5.17E-01	1.43E-03	1.32E-07	1.20E-02	8.62E-03	1.63E-02	9.25E-03	5.26E-03	5.59E-01
5438	488568.9	3858262.31	0.12007	0.03665	0.04234	0.49672	0.03331	0.25232	0.05788	0.03665	5.76E-01	1.56E-03	1.02E-07	1.20E-02	7.18E-03	1.63E-02	9.45E-03	5.74E-03	6.17E-01
5439	488964.27	3858025.71	0.06817	0.02061	0.04082	0.07037	0.06052	0.06358	0.02445	0.02061	3.27E-01	8.77E-04	9.79E-08	1.70E-03	1.31E-02	4.11E-03	3.99E-03	3.23E-03	3.48E-01
5440	489147.25	3857956.64	0.0633	0.01781	0.0362	0.05743	0.07407	0.05167	0.02025	0.01781	3.04E-01	7.58E-04	8.68E-08	1.39E-03	1.60E-02	3.34E-03	3.31E-03	2.79E-03	3.26E-01
5441	489343.52	3857932.45	0.06734	0.01612	0.03208	0.05108	0.0764	0.04449	0.01774	0.01612	3.23E-01	6.86E-04	7.69E-08	1.24E-03	1.65E-02	2.88E-03	2.90E-03	2.53E-03	3.45E-01
5442	489866.19	3857923.19	0.06467	0.01342	0.02239	0.04844	0.06844	0.03401	0.0139	0.01342	3.10E-01	5.71E-04	5.37E-08	1.17E-03	1.48E-02	2.20E-03	2.27E-03	2.10E-03	3.29E-01
5443	489955.65	3857902.27	0.05924	0.01288	0.02133	0.04682	0.06944	0.03235	0.01328	0.01288	2.84E-01	5.48E-04	5.12E-08	1.13E-03	1.50E-02	2.09E-03	2.17E-03	2.02E-03	3.03E-01
5444	490079.44	3857847.9	0.04315	0.01223	0.02043	0.04322	0.07226	0.03038	0.01254	0.01223	2.07E-01	5.20E-04	4.90E-08	1.05E-03	1.56E-02	1.97E-03	2.05E-03	1.92E-03	2.26E-01
5445	490108.49	3857934.13	0.05073	0.01263	0.01975	0.05109	0.06251	0.0311	0.01281	0.01263	2.43E-01	5.37E-04	4.74E-08	1.24E-03	1.35E-02	2.01E-03	2.09E-03	1.98E-03	2.61E-01
5446	489884.48	3858014.17	0.04682	0.01406	0.02147	0.06007	0.0569	0.03521	0.01439	0.01406	2.25E-01	5.98E-04	5.15E-08	1.46E-03	1.23E-02	2.28E-03	2.35E-03	2.20E-03	2.41E-01
5447	489326.56	3858025.86	0.06234	0.01739	0.03125	0.05939	0.05958	0.04777	0.01899	0.01739	2.99E-01	7.40E-04	7.49E-08	1.44E-03	1.28E-02	3.09E-03	3.10E-03	2.72E-03	3.18E-01
5448	489130.38	3858056.71	0.07066	0.01942	0.03445	0.06678	0.05539	0.05616	0.02201	0.01942	3.39E-01	8.26E-04	8.26E-08	1.62E-03	1.19E-02	3.63E-03	3.59E-03	3.04E-03	3.58E-01
5449	488936.49	3858143.93	0.07919	0.02358	0.03678	0.0874	0.04288	0.07318	0.02822	0.02358	3.80E-01	1.00E-03	8.82E-08	2.12E-03	9.25E-03	4.73E-03	4.61E-03	3.69E-03	3.98E-01
5450	488638.08	3858327.45	0.11169	0.03858	0.03536	0.51036	0.02974	0.25562	0.05803	0.03858	5.36E-01	1.64E-03	8.48E-08	1.24E-02	6.41E-03	1.65E-02	9.47E-03	6.04E-03	5.76E-01
5451	488663.79	3858349.57	0.10802	0.03916	0.03327	0.50203	0.0287	0.25265	0.05773	0.03916	5.18E-01	1.67E-03	7.98E-08	1.22E-02	6.19E-03	1.63E-02	9.42E-03	6.13E-03	5.58E-01
5452	488694.56	3858349.5	0.10007	0.03792	0.03259	0.37374	0.02863	0.2079	0.054	0.03792	4.80E-01	1.61E-03	7.82E-08	9.05E-03	6.17E-03	1.35E-02	8.81E-03	5.94E-03	5.13E-01
5453	488694.35	3858336.75	0.09815	0.03705	0.03335	0.33496	0.02922	0.19325	0.05252	0.03705	4.71E-01	1.58E-03	8.00E-08	8.12E-03	6.30E-03	1.25E-02	8.57E-03	5.80E-03	5.02E-01
5454	488712.81	3858336.38	0.09325	0.03636	0.03293	0.29359	0.02917	0.1763	0.05059	0.03636	4.47E-01	1.55E-03	7.90E-08	7.11E-03	6.29E-03	1.14E-02	8.26E-03	5.70E-03	4.76E-01
5455	488713.23	3858367.46	0.0969	0.03847	0.03116	0.37754	0.02778	0.20883	0.05409	0.03847	4.65E-01	1.64E-03	7.47E-08	9.15E-03	5.99E-03	1.35E-02	8.83E-03	6.03E-03	4.98E-01
5456	488704.63	3858384.05	0.09964	0.04011	0.03038	0.48693	0.02712	0.24716	0.05729	0.04011	4.78E-01	1.71E-03	7.29E-08	1.18E-02	5.85E-03	1.60E-02	9.35E-03	6.28E-03	5.17E-01
5457	488604.15	3858488.29	0.11261	0.05913	0.02543	0.13261	0.02305	0.11835	0.11072	0.05913	5.40E-01	2.52E-03	6.10E-08	3.21E-03	4.97E-03	7.66E-03	1.81E-02	9.26E-03	5.68E-01
5458	488605.66	3858550.47	0.1217	0.07279	0.02238	0.09202	0.02097	0.09271	0.15535	0.07279	5.84E-01	3.10E-03	5.37E-08	2.23E-03	4.52E-03	6.00E-03	2.54E-02	1.14E-02	6.14E-01
5459	488692.68	3858548.71	0.11086	0.06145	0.02232	0.16117	0.02163	0.13057	0.10039	0.06145	5.32E-01	2.61E-03	5.35E-08	3.90E-03	4.67E-03	8.45E-03	1.64E-02	9.63E-03	5.58E-01
5460	488759.93	3858461.81	0.08313	0.04427	0.02555	0.70125	0.02416	0.31022	0.06121	0.04427	3.99E-01	1.88E-03	6.13E-08	1.70E-02	5.21E-03	2.01E-02	9.99E-03	6.93E-03	4.46E-01
5461	488816.57	3858541.79	0.10139	0.04972	0.02205	0.93112	0.02165	0.41697	0.06611	0.04972	4.87E-01	2.12E-03	5.29E-08	2.26E-02	4.67E-03	2.70E-02	1.08E-02	7.79E-03	5.46E-01
5462	488944.63	3858656.77	0.07924	0.05598	0.01916	0.87546	0.01853	0.41032	0.06708	0.05598	3.80E-01	2.38E-03	4.60E-08	2.12E-02	4.00E-03	2.65E-02	1.09E-02	8.77E-03	4.37E-01
5463	489134.91	3858830.7	0.06334	0.06977	0.01921	1.19765	0.0149	0.40751	0.07823	0.06977	3.04E-01	2.97E-03	4.61E-08	2.90E-02	3.21E-03	2.64E-02	1.28E-02	1.09E-02	3.67E-01
5464	489193.99	3858886.05	0.063	0.07604	0.02053	1.30309	0.01396	0.41615	0.08337	0.07604	3.02E-01	3.24E-03	4.92E-08	3.16E-02	3.01E-03	2.69E-02	1.36E-02	1.19E-02	3.69E-01
5465	489295.2	3858954.34	0.06406	0.08015	0.02389	1.14859	0.01275	0.40272	0.08378	0.08015	3.07E-01	3.41E-03	5.73E-08	2.78E-02	2.75E-03	2.61E-02	1.37E-02	1.26E-02	3.69E-01
5466	489295.64	3858992.74	0.07079	0.09536	0.02612	0.72147	0.01243	0.30437	0.0999	0.09536	3.40E-01	4.06E-03	6.26E-08	1.75E-02	2.68E-03	1.97E-02	1.63E-02	1.49E-02	3.85E-01
5467	489183.74	3858911.72	0.06604	0.08671	0.02112	0.87594	0.0138	0.29493	0.09651	0.08671	3.17E-01	3.69E-03	5.07E-08	2.12E-02	2.98E-03	1.91E-02	1.58E-02	1.36E-02	3.66E-01
5468	488873.37	3858625.59	0.10031	0.05728	0.01976	0.59556	0.01953	0.30515	0.07303	0.05728	4.81E-01	2.44E-03	4.74E-08	1.44E-02	4.21E-03	1.97E-02	1.19E-02	8.97E-03	5.25E-01

5469	488842.84	3858658.69	0.10361	0.06722	0.01914	0.22466	0.01901	0.15879	0.09049	0.06722	4.97E-01	2.86E-03	4.59E-08	5.44E-03	4.10E-03	1.03E-02	1.48E-02	1.05E-02	5.24E-01
5470	488856.39	3858670.93	0.09914	0.06826	0.01892	0.2269	0.01876	0.15914	0.09072	0.06826	4.76E-01	2.90E-03	4.54E-08	5.50E-03	4.05E-03	1.03E-02	1.48E-02	1.07E-02	5.03E-01
5471	488805.7	3858724.5	0.10744	0.09593	0.01771	0.10472	0.01785	0.0907	0.14996	0.09593	5.16E-01	4.08E-03	4.25E-08	2.54E-03	3.85E-03	5.87E-03	2.45E-02	1.50E-02	5.41E-01
5472	488805.87	3858804.16	0.11144	0.15893	0.01664	0.07702	0.01638	0.07695	0.33746	0.15893	5.35E-01	6.76E-03	3.99E-08	1.87E-03	3.53E-03	4.98E-03	5.51E-02	2.49E-02	5.82E-01
5473	488995.78	3858936.96	0.10442	0.20524	0.01902	0.10227	0.01458	0.07973	0.3333	0.20524	5.01E-01	8.73E-03	4.56E-08	2.48E-03	3.14E-03	5.16E-03	5.44E-02	3.22E-02	5.43E-01
5474	489130.76	3859017.38	0.09214	0.21878	0.02357	0.163	0.0133	0.08375	0.27843	0.21878	4.42E-01	9.31E-03	5.65E-08	3.95E-03	2.87E-03	5.42E-03	4.54E-02	3.43E-02	4.75E-01
5475	489130.92	3859052.24	0.09147	0.33718	0.025	0.14745	0.01305	0.07501	0.43828	0.33718	4.39E-01	1.43E-02	6.00E-08	3.57E-03	2.81E-03	4.85E-03	7.15E-02	5.28E-02	4.83E-01
5476	489200.33	3859090.6	0.08734	0.33655	0.02946	0.32723	0.0124	0.07555	0.39783	0.33655	4.19E-01	1.43E-02	7.07E-08	7.93E-03	2.67E-03	4.89E-03	6.49E-02	5.27E-02	4.61E-01
5477	489296.07	3859143.7	0.0879	0.33565	0.03938	0.25835	0.01151	0.07642	0.3853	0.33565	4.22E-01	1.43E-02	9.44E-08	6.26E-03	2.48E-03	4.94E-03	6.29E-02	5.26E-02	4.60E-01
5478	489296.43	3858954.74	0.06404	0.08006	0.02393	1.13718	0.01274	0.40037	0.08364	0.08006	3.07E-01	3.41E-03	5.74E-08	2.76E-02	2.75E-03	2.59E-02	1.37E-02	1.25E-02	3.68E-01
5479	489410.33	3859033.19	0.07606	0.0857	0.03176	1.03825	0.01156	0.41363	0.08667	0.0857	3.65E-01	3.65E-03	7.62E-08	2.52E-02	2.49E-03	2.68E-02	1.41E-02	1.34E-02	4.24E-01
5480	489371.37	3859089.8	0.07971	0.13144	0.0374	0.30813	0.01135	0.15738	0.13725	0.13144	3.83E-01	5.59E-03	8.97E-08	7.47E-03	2.45E-03	1.02E-02	2.24E-02	2.06E-02	4.10E-01
5481	489390.52	3859102.82	0.08107	0.13369	0.04023	0.29626	0.01117	0.15657	0.13946	0.13369	3.89E-01	5.69E-03	9.65E-08	7.18E-03	2.41E-03	1.01E-02	2.28E-02	2.09E-02	4.16E-01
5482	489382.3	3859114.53	0.08301	0.15048	0.04153	0.25708	0.01115	0.12877	0.15864	0.15048	3.98E-01	6.40E-03	9.96E-08	6.23E-03	2.40E-03	8.33E-03	2.59E-02	2.36E-02	4.24E-01
5483	489363.04	3859102.45	0.08068	0.14877	0.03863	0.2675	0.01133	0.12811	0.15715	0.14877	3.87E-01	6.33E-03	9.26E-08	6.48E-03	2.44E-03	8.29E-03	2.57E-02	2.33E-02	4.13E-01
5484	489337.52	3859140.71	0.08565	0.2425	0.04218	0.22024	0.01127	0.08643	0.26802	0.2425	4.11E-01	1.03E-02	1.01E-07	5.34E-03	2.43E-03	5.59E-03	4.37E-02	3.80E-02	4.40E-01
5485	489375.14	3859164.55	0.09177	0.2522	0.04946	0.19314	0.01093	0.08628	0.27604	0.2522	4.40E-01	1.07E-02	1.19E-07	4.68E-03	2.36E-03	5.58E-03	4.51E-02	3.95E-02	4.69E-01
5486	489409.3	3859114.5	0.08161	0.13496	0.04323	0.2899	0.011	0.15798	0.14053	0.13496	3.92E-01	5.74E-03	1.04E-07	7.02E-03	2.37E-03	1.02E-02	2.29E-02	2.11E-02	4.19E-01
5487	489434.87	3859131.81	0.08619	0.13805	0.04826	0.27936	0.01078	0.15741	0.14344	0.13805	4.14E-01	5.87E-03	1.16E-07	6.77E-03	2.32E-03	1.02E-02	2.34E-02	2.16E-02	4.41E-01
5488	489471.87	3859075.75	0.07001	0.08906	0.03948	1.06834	0.01099	0.42071	0.08977	0.08906	3.36E-01	3.79E-03	9.47E-08	2.59E-02	2.37E-03	2.72E-02	1.47E-02	1.40E-02	3.96E-01
5489	489602.62	3859164.69	0.08212	0.09667	0.07647	0.70487	0.00993	0.42632	0.09694	0.09667	3.94E-01	4.11E-03	1.83E-07	1.71E-02	2.14E-03	2.76E-02	1.58E-02	1.51E-02	4.46E-01
5490	489558.29	3859232.45	0.08871	0.1794	0.11132	0.2056	0.00968	0.12611	0.18387	0.1794	4.26E-01	7.63E-03	2.67E-07	4.98E-03	2.09E-03	8.16E-03	3.00E-02	2.81E-02	4.50E-01
5491	489620.11	3859273.56	0.09219	0.19184	0.19229	0.19728	0.00923	0.12532	0.19613	0.19184	4.42E-01	8.16E-03	4.61E-07	4.78E-03	1.99E-03	8.11E-03	3.20E-02	3.01E-02	4.67E-01
5492	489666.06	3859206.42	0.07252	0.10028	0.11791	0.72459	0.00948	0.41828	0.10032	0.10028	3.48E-01	4.27E-03	2.83E-07	1.76E-02	2.04E-03	2.71E-02	1.64E-02	1.57E-02	4.00E-01
5493	489787.9	3859285.65	0.07964	0.10724	0.26093	0.69439	0.00873	0.40472	0.10773	0.10724	3.82E-01	4.56E-03	6.26E-07	1.68E-02	1.88E-03	2.62E-02	1.76E-02	1.68E-02	4.32E-01
5494	489752.17	3859343.13	0.08476	0.18653	0.65052	0.22848	0.00847	0.15603	0.19097	0.18653	4.07E-01	7.94E-03	1.56E-06	5.54E-03	1.83E-03	1.01E-02	3.12E-02	2.92E-02	4.34E-01
5495	489814.94	3859385.33	0.08831	0.20084	2.39219	0.22162	0.00812	0.15432	0.20596	0.20084	4.24E-01	8.55E-03	5.74E-06	5.37E-03	1.75E-03	9.98E-03	3.36E-02	3.15E-02	4.52E-01
5496	489853.42	3859330.74	0.07027	0.11311	0.68352	0.66753	0.00835	0.41177	0.114	0.11311	3.37E-01	4.81E-03	1.64E-06	1.62E-02	1.80E-03	2.66E-02	1.86E-02	1.77E-02	3.88E-01
5497	489969.5	3859401.91	0.08303	0.11864	1.2063	0.90039	0.00781	0.44683	0.11983	0.11864	3.98E-01	5.05E-03	2.89E-06	2.18E-02	1.68E-03	2.89E-02	1.96E-02	1.86E-02	4.57E-01
5498	490166.91	3859486.96	0.07315	0.10837	0.286	0.91017	0.00722	0.39964	0.10867	0.10837	3.51E-01	4.61E-03	6.86E-07	2.21E-02	1.56E-03	2.59E-02	1.77E-02	1.70E-02	4.06E-01
5499	490128.86	3859571.46	0.07297	0.27135	0.14396	0.16816	0.00677	0.11167	0.27062	0.27135	3.50E-01	1.15E-02	3.45E-07	4.07E-03	1.46E-03	7.23E-03	4.42E-02	4.25E-02	3.76E-01
5500	490186.65	3859593.65	0.07583	0.27341	0.11109	0.1795	0.00664	0.12594	0.27459	0.27341	3.64E-01	1.16E-02	2.66E-07	4.35E-03	1.43E-03	8.15E-03	4.48E-02	4.28E-02	3.91E-01
5501	490223.74	3859517.48	0.06433	0.11275	0.19709	0.98227	0.00705	0.41188	0.11276	0.11275	3.09E-01	4.80E-03	4.73E-07	2.38E-02	1.52E-03	2.66E-02	1.84E-02	1.77E-02	3.66E-01
5502	490846.34	3859817.22	0.06703	0.16404	0.02579	0.99756	0.00585	0.3236	0.17268	0.16404	3.22E-01	6.98E-03	6.19E-08	2.42E-02	1.26E-03	2.09E-02	2.82E-02	2.57E-02	3.78E-01
5503	490925.65	3859844.59	0.06668	0.15163	0.02303	1.00076	0.00577	0.3137	0.15946	0.15163	3.20E-01	6.45E-03	5.52E-08	2.42E-02	1.24E-03	2.03E-02	2.60E-02	2.38E-02	3.75E-01
5504	491159.29	3859896.28	0.06536	0.10636	0.01934	1.0306	0.0056	0.31608	0.10645	0.10636	3.14E-01	4.53E-03	4.64E-08	2.50E-02	1.21E-03	2.05E-02	1.74E-02	1.67E-02	3.66E-01
5505	491370.69	3859960.89	0.0576	0.08122	0.01568	1.03287	0.00537	0.32471	0.08066	0.08122	2.76E-01	3.46E-03	3.76E-08	2.50E-02	1.16E-03	2.10E-02	1.32E-02	1.27E-02	3.28E-01
5506	491330.28	3860063.17	0.06604	0.15149	0.01209	0.11342	0.00489	0.09452	0.14795	0.15149	3.17E-01	6.45E-03	2.90E-08	2.75E-03	1.05E-03	6.12E-03	2.41E-02	2.37E-02	3.34E-01
5507	491636.45	3860180.75	0.05807	0.08132	0.00957	0.06957	0.00463	0.0691	0.08293	0.08132	2.79E-01	3.46E-03	2.30E-08	1.69E-03	9.99E-04	4.47E-03	1.35E-02	1.27E-02	2.90E-01
5508	491617.94	3860203.93	0.06664	0.0939	0.00908	0.05525	0.00453	0.05534	0.09635	0.0939	3.20E-01	4.00E-03	2.18E-08	1.34E-03	9.77E-04	3.58E-03	1.57E-02	1.47E-02	3.31E-01
5509	491805.68	3860271.59	0.04855	0.07033	0.0081	0.03519	0.0044	0.04963	0.07255	0.07033	2.33E-01	2.99E-03	1.94E-08	8.53E-04	9.49E-04	3.21E-03	1.18E-02	1.10E-02	2.42E-01
5510	491654.23	3860414.02	0.03591	0.36336	0.00607	0.02307	0.00398	0.02583	0.39621	0.36336	1.72E-01	1.55E-02	1.46E-08	5.59E-04	8.58E-04	1.67E-03	6.47E-02	5.69E-02	1.99E-01
5511	491592.62	3860510.76	0.01256	0.07022	0.00514	0.01927	0.00374	0.0206	0.06609	0.07022	6.03E-02	2.99E-03	1.23E-08	4.67E-04	8.07E-04	1.33E-03	1.08E-02	1.10E-02	6.57E-02
5512	491475.41	3860368.93	0.02755	0.11816	0.00624	0.02553	0.00401	0.02536	0.11016	0.11816	1.32E-01	5.03E-03	1.50E-08	6.19E-04	8.65E-04	1.64E-03	1.80E-02	1.85E-02	1.40E-01
5513	491445.61	3860337.28	0.02927	0.13137	0.00656	0.02765	0.00408	0.02682	0.12413	0.13137	1.40E-01	5.59E-03	1.57E-08	6.70E-04	8.80E-04	1.74E-03	2.03E-02	2.06E-02	1.49E-01
5514	491399.05	3860300.37	0.03013	0.13373	0.00699	0.03061	0.00417	0.02867	0.12933	0.13373	1.45E-01	5.69E-03	1.68E-08	7.42E-04	8.99E-04	1.86E-03	2.11E-02	2.09E-02	1.54E-01
5515	491228.84	3860235.98	0.02686	0.06574	0.00769	0.03501	0.00431	0.0304	0.06646	0.06574	1.29E-01	2.80E-03	1.84E-08	8.48E-04	9.30E-04	1.97E-03	1.08E-02	1.03E-02	1.36E-01
5516	491228.47	3860174.57	0.03718	0.12518	0.00886	0.04422	0.00449	0.037	0.13043	0.12518	1.78E-01	5.33E-03	2.12E-08	1.07E-03	9.68E-04	2.39E-03	2.13E-02	1.96E-02	1.90E-01
5517	491145.77	3860112.55	0.03507	0.1243	0.01022	0.05426	0.00468	0.04362	0.13111	0.1243	1.68E-01	5.29E-03	2.45E-08	1.31E-03	1.01E-03	2.82E-03	2.14E-02	1.95E-02	1.81E-01
5518	490844.41	3859966.22	0.03427	0.11579	0.01515	0.08311	0.00519	0.06448	0.10813	0.11579	1.64E-01	4.93E-03	3.63E-08	2.01E-03	1.12E-03	4.17E-03	1.76E-02	1.81E-02	1.76E-01
5519	490845.55	3859928.15	0.04256	0.25598	0.01745	0.11791	0.00534	0.09396	0.22643	0.25598	2.04E-01	1.09E-02	4.19E-08	2.86E-03	1.15E-03	6.08E-03	3.70E-02	4.01E-02	2.22E-01
5520	490046.91	3859625.6	0.04355	0.17089	0.08086	0.08504	0.00662	0.0583	0.17175	0.17089	2.09E-01	7.27E-03	1.94E-07	2.06E-03	1.43E-03	3.77E-03	2.80E-02	2.68E-02	2.25E-01
5521	489970.48	3859589.4	0.04522	0.17907	0.11937	0.08634	0.00691	0.05837	0.17453	0.17907	2.17E-01	7.62E-03	2.86E-07	2.09E-03	1.49E-03	3.78E-03	2.85E-02	2.81E-02	2.32E-01
5522	489865.89	3859529.06	0.05254	0.19558	0.30266	0.09191	0.00739	0.06109	0.18752	0.19558	2.52E-01	8.32E-03	7.26E-07	2.23E-03	1.59E-03	3.95E-03	3.06E-02	3.06E-02	2.68E-01
5523	489826.89	3859531.74	0.04663	0.12621	0.31607	0.08478	0.00751	0.05618	0.12181	0.12621	2.24E-01	5.37E-03	7.58E-07	2.05E-03	1.62E-03	3.63E-03	1.99E-02	1.98E-02	2.37E-01
5524	489410.47	3859303.06	0.05757	0.12494	0.08653	0.13081	0.01015	0.05821	0.11438	0.12494	2.76E-01	5.32E-03	2.08E-07	3.17E-03	2.19E-03	3.77E-03	1.87E-02	1.96E-02	2.90E-01
5525	489407.15	3859286.09	0.06115	0.16169	0.0824	0.13545	0.01023	0.06027	0.14531	0.16169	2.93E-01	6.88E-03	1.98E-07	3.28E-03	2.21E-03	3.90E-03	2.37E-02	2.53E-02	3.08E-01

5526	488806.07	3858963.62	0.11643	0.13871	0.01651	0.05243	0.01355	0.07083	0.06422	0.13871	5.59E-01	5.90E-03	3.96E-08	1.27E-03	2.92E-03	4.58E-03	1.05E-02	2.17E-02	5.62E-01
5527	488817.64	3859546.3	0.10907	0.01214	0.01295	0.02884	0.00604	0.05966	0.0112	0.01214	5.23E-01	5.17E-04	3.11E-08	6.99E-04	1.30E-03	3.86E-03	1.83E-03	1.90E-03	5.30E-01
5528	489187.25	3859549.52	0.07296	0.0172	0.02546	0.26975	0.00908	0.04423	0.01631	0.0172	3.50E-01	7.32E-04	6.11E-08	6.54E-03	1.96E-03	2.86E-03	2.66E-03	2.69E-03	3.62E-01
5529	489187.66	3859523.74	0.06315	0.01826	0.02655	0.27207	0.0093	0.04472	0.01728	0.01826	3.03E-01	7.77E-04	6.37E-08	6.59E-03	2.01E-03	2.89E-03	2.82E-03	2.86E-03	3.15E-01
5530	489232.59	3859522.85	0.05963	0.01947	0.03019	0.48111	0.00946	0.04402	0.01847	0.01947	2.86E-01	8.28E-04	7.24E-08	1.17E-02	2.04E-03	2.85E-03	3.01E-03	3.05E-03	3.03E-01
5531	489224.98	3859759.91	0.05452	0.01223	0.0158	0.53983	0.00758	0.03991	0.01172	0.01223	2.62E-01	5.20E-04	3.79E-08	1.31E-02	1.63E-03	2.58E-03	1.91E-03	1.92E-03	2.79E-01
5532	488401.39	3859763.34	0.09635	0.00757	0.00767	0.0158	0.00304	0.34633	0.00696	0.00757	4.62E-01	3.22E-04	1.84E-08	3.83E-04	6.56E-04	2.24E-02	1.14E-03	1.19E-03	4.86E-01
5533	488405.51	3859966.16	0.10474	0.00667	0.00678	0.0147	0.00263	0.33732	0.00624	0.00667	5.03E-01	2.84E-04	1.63E-08	3.56E-04	5.67E-04	2.18E-02	1.02E-03	1.04E-03	5.26E-01
5534	489202.85	3859956.57	0.06742	0.00947	0.011	0.20829	0.00601	0.03767	0.00909	0.00947	3.24E-01	4.03E-04	2.64E-08	5.05E-03	1.30E-03	2.44E-03	1.48E-03	1.48E-03	3.33E-01
5535	489191.9	3860676.74	0.03535	0.00552	0.00509	0.34164	0.00243	0.02672	0.00536	0.00552	1.70E-01	2.35E-04	1.22E-08	8.28E-03	5.24E-04	1.73E-03	8.75E-04	8.65E-04	1.80E-01
5536	488392.82	3860687.88	0.06066	0.00458	0.00381	0.01154	0.00177	0.29049	0.00434	0.00458	2.91E-01	1.95E-04	9.14E-09	2.80E-04	3.82E-04	1.88E-02	7.08E-04	7.17E-04	3.11E-01
5537	488392.82	3860760.27	0.02778	0.00445	0.00362	0.01128	0.00172	0.06379	0.00422	0.00445	1.33E-01	1.89E-04	8.68E-09	2.73E-04	3.71E-04	4.13E-03	6.89E-04	6.97E-04	1.38E-01
5538	487549.05	3860777.45	0.00941	0.00378	0.00279	0.00723	0.00249	0.01859	0.00353	0.00378	4.52E-02	1.61E-04	6.69E-09	1.75E-04	5.37E-04	1.20E-03	5.76E-04	5.92E-04	4.72E-02
5539	487554.62	3859571.83	0.06448	0.00637	0.00477	0.01048	0.0042	0.13184	0.00555	0.00637	3.09E-01	2.71E-04	1.14E-08	2.54E-04	9.06E-04	8.53E-03	9.06E-04	9.98E-04	3.19E-01
5540	485949.46	3859558.54	0.00963	0.00438	0.0038	0.00614	0.00656	0.01319	0.0038	0.00438	4.62E-02	1.86E-04	9.11E-09	1.49E-04	1.41E-03	8.53E-04	6.20E-04	6.86E-04	4.88E-02
5541	485947.55	3857943.61	0.0341	0.01148	0.00859	0.00896	0.02384	0.06062	0.00595	0.01148	1.64E-01	4.88E-04	2.06E-08	2.17E-04	5.14E-03	3.92E-03	9.71E-04	1.80E-03	1.73E-01
5542	484738.38	3857940.21	0.01156	0.0059	0.00458	0.00615	0.01346	0.01264	0.00417	0.0059	5.55E-02	2.51E-04	1.10E-08	1.49E-04	2.90E-03	8.18E-04	6.81E-04	9.24E-04	5.94E-02
5543	484737.06	3857535.68	0.0163	0.00739	0.00597	0.00663	0.01384	0.01516	0.00462	0.00739	7.82E-02	3.14E-04	1.43E-08	1.61E-04	2.98E-03	9.81E-04	7.54E-04	1.16E-03	8.23E-02
5544	483730.2	3857530.13	0.01059	0.00505	0.00579	0.00531	0.00862	0.00904	0.00372	0.00505	5.08E-02	2.15E-04	1.39E-08	1.29E-04	1.86E-03	5.85E-04	6.07E-04	7.91E-04	5.34E-02
5545	483727.27	3857130.01	0.02118	0.0059	0.00645	0.00569	0.00791	0.01013	0.00405	0.0059	1.02E-01	2.51E-04	1.55E-08	1.38E-04	1.71E-03	6.55E-04	6.61E-04	9.24E-04	1.04E-01
5546	483124.42	3857123.45	0.01218	0.00491	0.00561	0.00503	0.00639	0.0081	0.00365	0.00491	5.85E-02	2.09E-04	1.35E-08	1.22E-04	1.38E-03	5.24E-04	5.96E-04	7.69E-04	6.05E-02
5547	483111.13	3855921.03	0.05521	0.00837	0.01015	0.00637	0.00758	0.01407	0.00481	0.00837	2.65E-01	3.56E-04	2.43E-08	1.54E-04	1.63E-03	9.10E-04	7.85E-04	1.31E-03	2.67E-01
5548	482701.73	3855918.24	0.0202	0.00672	0.00956	0.00572	0.00702	0.01025	0.00442	0.00672	9.69E-02	2.86E-04	2.29E-08	1.39E-04	1.51E-03	6.63E-04	7.21E-04	1.05E-03	9.92E-02
5549	482668.02	3853521.78	0.03273	0.05655	0.00383	0.00649	0.00307	0.01061	0.04934	0.05655	1.57E-01	2.41E-03	9.19E-09	1.57E-04	6.62E-04	6.86E-04	8.05E-03	8.86E-03	1.60E-01
5550	482579.91	3853219.19	0.02606	0.06817	0.00304	0.00441	0.00282	0.00612	0.06846	0.06817	1.25E-01	2.90E-03	7.29E-09	1.07E-04	6.08E-04	3.96E-04	1.12E-02	1.07E-02	1.30E-01
5551	482434.06	3852961.94	0.02263	0.09611	0.00242	0.0035	0.00264	0.00459	0.09783	0.09611	1.09E-01	4.09E-03	5.80E-09	8.48E-05	5.69E-04	2.97E-04	1.60E-02	1.51E-02	1.15E-01
5552	482332.11	3852832.85	0.02002	0.12479	0.00218	0.00317	0.00255	0.00404	0.12721	0.12479	9.61E-02	5.31E-03	5.23E-09	7.68E-05	5.50E-04	2.61E-04	2.08E-02	1.95E-02	1.03E-01
5553	481334.99	3851818.96	0.01625	0.10293	0.00135	0.00193	0.00202	0.0022	0.10454	0.10293	7.80E-02	4.38E-03	3.24E-09	4.68E-05	4.36E-04	1.42E-04	1.71E-02	1.61E-02	8.39E-02
5554	481127.62	3851646.36	0.01807	0.08857	0.00123	0.00182	0.00195	0.00204	0.08879	0.08857	8.67E-02	3.77E-03	2.95E-09	4.41E-05	4.21E-04	1.32E-04	1.45E-02	1.39E-02	9.17E-02
5555	481025.04	3851591.73	0.01704	0.0809	0.00118	0.00179	0.00193	0.00199	0.08046	0.0809	8.18E-02	3.44E-03	2.83E-09	4.34E-05	4.16E-04	1.29E-04	1.31E-02	1.27E-02	8.63E-02
5556	480513.6	3851335.76	0.0178	0.0828	0.00102	0.00167	0.00183	0.00181	0.08421	0.0828	8.54E-02	3.52E-03	2.45E-09	4.05E-05	3.95E-04	1.17E-04	1.37E-02	1.30E-02	9.03E-02
5557	480523.56	3851317.66	0.02253	0.112	0.00102	0.00166	0.00183	0.0018	0.11418	0.112	1.08E-01	4.77E-03	2.45E-09	4.02E-05	3.95E-04	1.16E-04	1.86E-02	1.75E-02	1.15E-01
5558	476921.56	3849569.11	0.01568	0.09863	0.0008	0.00108	0.00128	0.00118	0.09914	0.09863	7.52E-02	4.20E-03	1.92E-09	2.62E-05	2.76E-04	7.63E-05	1.62E-02	1.55E-02	8.06E-02
5559	476521.19	3849373.96	0.01806	0.11875	0.00076	0.00104	0.00126	0.00115	0.11863	0.11875	8.67E-02	5.05E-03	1.82E-09	2.52E-05	2.72E-04	7.44E-05	1.94E-02	1.86E-02	9.29E-02
5560	476391.45	3849333.38	0.01805	0.12689	0.00074	0.00103	0.00126	0.00115	0.12728	0.12689	8.66E-02	5.40E-03	1.77E-09	2.50E-05	2.72E-04	7.44E-05	2.08E-02	1.99E-02	9.33E-02
5561	476219.41	3849304.29	0.01663	0.11066	0.00072	0.00103	0.00127	0.00115	0.11158	0.11066	7.98E-02	4.71E-03	1.73E-09	2.50E-05	2.74E-04	7.44E-05	1.82E-02	1.73E-02	8.58E-02
5562	475679.11	3849218.47	0.01633	0.08987	0.00065	0.00103	0.0013	0.00113	0.09007	0.08987	7.84E-02	3.82E-03	1.56E-09	2.50E-05	2.80E-04	7.31E-05	1.47E-02	1.41E-02	8.32E-02
5563	475677.71	3849233.88	0.01299	0.07195	0.00065	0.00104	0.00131	0.00113	0.0722	0.07195	6.23E-02	3.06E-03	1.56E-09	2.52E-05	2.83E-04	7.31E-05	1.18E-02	1.13E-02	6.63E-02
5564	475492.74	3849204.66	0.01071	0.05018	0.00062	0.00101	0.00131	0.00109	0.05052	0.05018	5.14E-02	2.14E-03	1.49E-09	2.45E-05	2.83E-04	7.05E-05	8.25E-03	7.86E-03	5.43E-02
5565	475497.64	3849158.75	0.02806	0.11814	0.00062	0.00101	0.0013	0.0011	0.11876	0.11814	1.35E-01	5.03E-03	1.49E-09	2.45E-05	2.80E-04	7.12E-05	1.94E-02	1.85E-02	1.41E-01
5566	475391.35	3849141.94	0.01517	0.09015	0.00063	0.00102	0.0013	0.0011	0.09054	0.09015	7.28E-02	3.84E-03	1.51E-09	2.47E-05	2.80E-04	7.12E-05	1.48E-02	1.41E-02	7.77E-02
5567	475277	3849095.47	0.01426	0.08702	0.00063	0.00102	0.0013	0.0011	0.08735	0.08702	6.84E-02	3.70E-03	1.51E-09	2.47E-05	2.80E-04	7.12E-05	1.43E-02	1.36E-02	7.31E-02
5568	475183.93	3849025.66	0.01647	0.11347	0.00062	0.001	0.00128	0.00109	0.11437	0.11347	7.90E-02	4.83E-03	1.49E-09	2.42E-05	2.76E-04	7.05E-05	1.87E-02	1.78E-02	8.51E-02
5569	474453.23	3848378.77	0.01048	0.16207	0.00056	0.00091	0.00117	0.00099	0.16319	0.16207	5.03E-02	6.90E-03	1.34E-09	2.20E-05	2.52E-04	6.41E-05	2.66E-02	2.54E-02	5.88E-02
5570	474569.63	3848399.34	0.00998	0.34879	0.00056	0.00091	0.00116	0.00099	0.35155	0.34879	4.79E-02	1.48E-02	1.34E-09	2.20E-05	2.50E-04	6.41E-05	5.74E-02	5.46E-02	6.58E-02
5571	474644.33	3848464.52	0.01097	0.35379	0.00057	0.00092	0.00117	0.001	0.35651	0.35379	5.26E-02	1.51E-02	1.37E-09	2.23E-05	2.52E-04	6.47E-05	5.82E-02	5.54E-02	7.08E-02
5572	474719.04	3848529.7	0.01179	0.361	0.00057	0.00093	0.00118	0.00101	0.36367	0.361	5.66E-02	1.54E-02	1.37E-09	2.25E-05	2.54E-04	6.53E-05	5.94E-02	5.66E-02	7.51E-02
5573	474793.74	3848594.88	0.01243	0.36744	0.00058	0.00093	0.0012	0.00102	0.37005	0.36744	5.97E-02	1.56E-02	1.39E-09	2.25E-05	2.59E-04	6.60E-05	6.04E-02	5.76E-02	7.85E-02
5574	474868.45	3848660.07	0.01325	0.36949	0.00058	0.00094	0.00121	0.00103	0.37204	0.36949	6.36E-02	1.57E-02	1.39E-09	2.28E-05	2.61E-04	6.66E-05	6.07E-02	5.79E-02	8.25E-02
5575	474943.15	3848725.25	0.01414	0.37618	0.00058	0.00095	0.00122	0.00103	0.37866	0.37618	6.79E-02	1.60E-02	1.39E-09	2.30E-05	2.63E-04	6.66E-05	6.18E-02	5.89E-02	8.71E-02
5576	475017.86	3848790.43	0.01515	0.38867	0.00059	0.00096	0.00123	0.00104	0.39114	0.38867	7.27E-02	1.65E-02	1.42E-09	2.33E-05	2.65E-04	6.73E-05	6.38E-02	6.09E-02	9.26E-02
5577	475092.56	3848855.61	0.01625	0.39691	0.0006	0.00097	0.00125	0.00106	0.39939	0.39691	7.80E-02	1.69E-02	1.44E-09	2.35E-05	2.70E-04	6.86E-05	6.52E-02	6.22E-02	9.82E-02
5578	475232.58	3848959.38	0.02067	0.33456	0.00061	0.00099	0.00126	0.00107	0.33675	0.33456	9.92E-02	1.42E-02	1.46E-09	2.40E-05	2.72E-04	6.92E-05	5.50E-02	5.24E-02	1.16E-01
5579	475368.47	3849029.98	0.02313	0.34656	0.00062	0.001	0.00127	0.00108	0.35161	0.34656	1.11E-01	1.47E-02	1.49E-09	2.42E-05	2.74E-04	6.99E-05	5.74E-02	5.43E-02	1.29E-01
5580	475609.57	3849096.09	0.02449	0.28852	0.00063	0.001	0.00127	0.00109	0.29175	0.28852	1.18E-01	1.23E-02	1.51E-09	2.42E-05	2.74E-04	7.05E-05	4.76E-02	4.52E-02	1.33E-01
5581	475680.68	3849116.62	0.02339	0.33121	0.00064	0.001	0.00127	0.0011	0.33687	0.33121	1.12E-01	1.41E-02	1.53E-09	2.42E-05	2.74E-04	7.12E-05	5.50E-02	5.19E-02	1.30E-01
5582	475843.76	3849151.52	0.02264	0.40925	0.00066	0.00101	0.00126	0.00111	0.41506	0.40925	1.09E-01	1.74E-02	1.58E-09	2.45E-05	2.72E-04	7.18E-05	6.77E-02	6.41E-02	1.30E-01

5583	475935.73	3849165.89	0.02219	0.37665	0.00068	0.00101	0.00125	0.00112	0.38055	0.37665	1.06E-01	1.60E-02	1.63E-09	2.45E-05	2.70E-04	7.25E-05	6.21E-02	5.90E-02	1.26E-01
5584	476027.7	3849180.26	0.02252	0.37637	0.00069	0.00101	0.00125	0.00113	0.37958	0.37637	1.08E-01	1.60E-02	1.65E-09	2.45E-05	2.70E-04	7.31E-05	6.20E-02	5.90E-02	1.27E-01
5585	476119.68	3849194.64	0.02391	0.39381	0.0007	0.00101	0.00124	0.00112	0.39617	0.39381	1.15E-01	1.68E-02	1.68E-09	2.45E-05	2.67E-04	7.25E-05	6.47E-02	6.17E-02	1.35E-01
5586	476211.65	3849209.01	0.02455	0.38965	0.00071	0.001	0.00123	0.00112	0.39108	0.38965	1.18E-01	1.66E-02	1.70E-09	2.42E-05	2.65E-04	7.25E-05	6.38E-02	6.10E-02	1.38E-01
5587	476497.8	3849283.9	0.02575	0.50563	0.00075	0.00101	0.00122	0.00112	0.51738	0.50563	1.24E-01	2.15E-02	1.80E-09	2.45E-05	2.63E-04	7.25E-05	8.45E-02	7.92E-02	1.51E-01
5588	476603.73	3849323.77	0.02664	0.50358	0.00076	0.00102	0.00123	0.00112	0.51455	0.50358	1.28E-01	2.14E-02	1.82E-09	2.47E-05	2.65E-04	7.25E-05	8.40E-02	7.89E-02	1.55E-01
5589	476728.99	3849382.76	0.02819	0.46467	0.00077	0.00103	0.00123	0.00113	0.47273	0.46467	1.35E-01	1.98E-02	1.85E-09	2.50E-05	2.65E-04	7.31E-05	7.72E-02	7.28E-02	1.60E-01
5590	476801.27	3849418.65	0.02921	0.4644	0.00078	0.00104	0.00124	0.00113	0.47104	0.4644	1.40E-01	1.98E-02	1.87E-09	2.52E-05	2.67E-04	7.31E-05	7.69E-02	7.27E-02	1.64E-01
5591	476956.2	3849495.05	0.03093	0.46458	0.0008	0.00105	0.00125	0.00115	0.46913	0.46458	1.48E-01	1.98E-02	1.92E-09	2.54E-05	2.70E-04	7.44E-05	7.66E-02	7.28E-02	1.72E-01
5592	477038.84	3849535.56	0.03196	0.47092	0.0008	0.00106	0.00126	0.00115	0.4744	0.47092	1.53E-01	2.00E-02	1.92E-09	2.57E-05	2.72E-04	7.44E-05	7.74E-02	7.38E-02	1.77E-01
5593	477121.48	3849576.08	0.03281	0.469	0.00081	0.00107	0.00127	0.00116	0.47109	0.469	1.57E-01	2.00E-02	1.94E-09	2.59E-05	2.74E-04	7.51E-05	7.69E-02	7.35E-02	1.81E-01
5594	477204.13	3849616.6	0.03384	0.47187	0.00081	0.00108	0.00127	0.00116	0.47254	0.47187	1.62E-01	2.01E-02	1.94E-09	2.62E-05	2.74E-04	7.51E-05	7.71E-02	7.39E-02	1.86E-01
5595	477286.78	3849657.12	0.03509	0.44374	0.00081	0.00107	0.00127	0.00115	0.44254	0.44374	1.68E-01	1.89E-02	1.94E-09	2.59E-05	2.74E-04	7.44E-05	7.22E-02	6.95E-02	1.90E-01
5596	477369.42	3849697.63	0.03526	0.47166	0.00082	0.00109	0.00129	0.00117	0.47039	0.47166	1.69E-01	2.01E-02	1.97E-09	2.64E-05	2.78E-04	7.57E-05	7.68E-02	7.39E-02	1.93E-01
5597	477452.07	3849738.15	0.03597	0.47189	0.00082	0.0011	0.00129	0.00117	0.46802	0.47189	1.73E-01	2.01E-02	1.97E-09	2.66E-05	2.78E-04	7.57E-05	7.64E-02	7.39E-02	1.96E-01
5598	477534.71	3849778.67	0.03644	0.48598	0.00083	0.00112	0.00131	0.00119	0.48192	0.48598	1.75E-01	2.07E-02	1.99E-09	2.71E-05	2.83E-04	7.70E-05	7.87E-02	7.61E-02	1.98E-01
5599	477617.35	3849819.18	0.03729	0.4842	0.00083	0.00113	0.00131	0.00119	0.47901	0.4842	1.79E-01	2.06E-02	1.99E-09	2.74E-05	2.83E-04	7.70E-05	7.82E-02	7.59E-02	2.02E-01
5600	477824.74	3849896.37	0.04176	0.31819	0.00083	0.00116	0.00133	0.00121	0.31547	0.31819	2.00E-01	1.35E-02	1.99E-09	2.81E-05	2.87E-04	7.83E-05	5.15E-02	4.98E-02	2.16E-01
5601	477906.31	3849936.37	0.04301	0.32783	0.00082	0.00116	0.00133	0.0012	0.32288	0.32783	2.06E-01	1.39E-02	1.97E-09	2.81E-05	2.87E-04	7.76E-05	5.27E-02	5.14E-02	2.22E-01
5602	477987.89	3849976.36	0.043	0.3283	0.00082	0.00117	0.00134	0.00121	0.32391	0.3283	2.06E-01	1.40E-02	1.97E-09	2.83E-05	2.89E-04	7.83E-05	5.29E-02	5.14E-02	2.22E-01
5603	478069.47	3850016.36	0.04311	0.33201	0.00082	0.00118	0.00135	0.00122	0.32611	0.33201	2.07E-01	1.41E-02	1.97E-09	2.86E-05	2.91E-04	7.89E-05	5.32E-02	5.20E-02	2.23E-01
5604	478151.04	3850056.35	0.04322	0.33364	0.00082	0.00118	0.00135	0.00122	0.32687	0.33364	2.07E-01	1.42E-02	1.97E-09	2.86E-05	2.91E-04	7.89E-05	5.34E-02	5.23E-02	2.23E-01
5605	478232.62	3850096.35	0.04309	0.33709	0.00082	0.0012	0.00137	0.00123	0.32974	0.33709	2.07E-01	1.43E-02	1.97E-09	2.91E-05	2.95E-04	7.96E-05	5.38E-02	5.28E-02	2.23E-01
5606	478314.2	3850136.34	0.043	0.33832	0.00082	0.00121	0.00138	0.00125	0.33021	0.33832	2.06E-01	1.44E-02	1.97E-09	2.93E-05	2.98E-04	8.09E-05	5.39E-02	5.30E-02	2.22E-01
5607	478395.77	3850176.34	0.04314	0.33923	0.00082	0.00123	0.00139	0.00126	0.33035	0.33923	2.07E-01	1.44E-02	1.97E-09	2.98E-05	3.00E-04	8.15E-05	5.39E-02	5.31E-02	2.23E-01
5608	478575.43	3850244.45	0.04464	0.25931	0.00082	0.00127	0.00142	0.0013	0.25308	0.25931	2.14E-01	1.10E-02	1.97E-09	3.08E-05	3.06E-04	8.41E-05	4.13E-02	4.06E-02	2.26E-01
5609	478665.06	3850287.29	0.04565	0.25655	0.00082	0.00129	0.00144	0.00132	0.25001	0.25655	2.19E-01	1.09E-02	1.97E-09	3.13E-05	3.11E-04	8.54E-05	4.08E-02	4.02E-02	2.31E-01
5610	478754.69	3850330.14	0.04619	0.25354	0.00082	0.00131	0.00146	0.00135	0.2467	0.25354	2.22E-01	1.08E-02	1.97E-09	3.17E-05	3.15E-04	8.73E-05	4.03E-02	3.97E-02	2.33E-01
5611	478844.32	3850372.99	0.04687	0.24869	0.00083	0.00133	0.00148	0.00138	0.24173	0.24869	2.25E-01	1.06E-02	1.99E-09	3.22E-05	3.19E-04	8.93E-05	3.95E-02	3.90E-02	2.36E-01
5612	478933.95	3850415.84	0.04801	0.24276	0.00083	0.00135	0.00152	0.00141	0.23607	0.24276	2.30E-01	1.03E-02	1.99E-09	3.27E-05	3.28E-04	9.12E-05	3.85E-02	3.80E-02	2.42E-01
5613	479023.58	3850458.68	0.05118	0.24573	0.00083	0.00137	0.00153	0.00143	0.23814	0.24573	2.46E-01	1.05E-02	1.99E-09	3.32E-05	3.30E-04	9.25E-05	3.89E-02	3.85E-02	2.57E-01
5614	479110.66	3850441.9	0.04265	0.13932	0.00083	0.00138	0.00154	0.00146	0.13708	0.13932	2.05E-01	5.93E-03	1.99E-09	3.34E-05	3.32E-04	9.45E-05	2.24E-02	2.18E-02	2.12E-01
5615	479191.22	3850423.99	0.04138	0.09777	0.00082	0.00138	0.00155	0.00148	0.09685	0.09777	1.99E-01	4.16E-03	1.97E-09	3.34E-05	3.34E-04	9.58E-05	1.58E-02	1.53E-02	2.04E-01
5616	479274.32	3850465.71	0.05235	0.09884	0.00082	0.00139	0.00156	0.0015	0.09781	0.09884	2.51E-01	4.21E-03	1.97E-09	3.37E-05	3.36E-04	9.71E-05	1.60E-02	1.55E-02	2.56E-01
5617	479357.43	3850507.42	0.05689	0.0998	0.00083	0.0014	0.00157	0.00152	0.09857	0.0998	2.73E-01	4.25E-03	1.99E-09	3.39E-05	3.39E-04	9.83E-05	1.61E-02	1.56E-02	2.78E-01
5618	479440.53	3850549.14	0.05908	0.09968	0.00083	0.00141	0.00159	0.00153	0.09831	0.09968	2.84E-01	4.24E-03	1.99E-09	3.42E-05	3.43E-04	9.90E-05	1.60E-02	1.56E-02	2.89E-01
5619	479523.64	3850590.85	0.06021	0.09984	0.00083	0.00142	0.0016	0.00153	0.09837	0.09984	2.89E-01	4.25E-03	1.99E-09	3.44E-05	3.45E-04	9.90E-05	1.61E-02	1.56E-02	2.94E-01
5620	479606.74	3850632.57	0.0609	0.10065	0.00084	0.00143	0.00162	0.00154	0.09909	0.10065	2.92E-01	4.28E-03	2.01E-09	3.46E-05	3.49E-04	9.96E-05	1.62E-02	1.58E-02	2.97E-01
5621	479777.37	3850707.61	0.05696	0.0958	0.00085	0.00144	0.00165	0.00155	0.09432	0.0958	2.73E-01	4.08E-03	2.04E-09	3.49E-05	3.56E-04	1.00E-04	1.54E-02	1.50E-02	2.78E-01
5622	479864.9	3850740.95	0.05089	0.0916	0.00086	0.00144	0.00167	0.00155	0.09027	0.0916	2.44E-01	3.90E-03	2.06E-09	3.49E-05	3.60E-04	1.00E-04	1.47E-02	1.43E-02	2.49E-01
5623	479931.87	3850829.56	0.05032	0.12709	0.00088	0.00148	0.00169	0.00159	0.12439	0.12709	2.41E-01	5.41E-03	2.11E-09	3.59E-05	3.64E-04	1.03E-04	2.03E-02	1.99E-02	2.48E-01
5624	479995.55	3850926.75	0.04811	0.22865	0.0009	0.00152	0.0017	0.00164	0.22134	0.22865	2.31E-01	9.73E-03	2.16E-09	3.68E-05	3.67E-04	1.06E-04	3.61E-02	3.58E-02	2.41E-01
5625	480079.78	3850968.64	0.04699	0.22775	0.00091	0.00153	0.00172	0.00165	0.22182	0.22775	2.26E-01	9.69E-03	2.18E-09	3.71E-05	3.71E-04	1.07E-04	3.62E-02	3.57E-02	2.36E-01
5626	480164.01	3851010.54	0.04648	0.22769	0.00093	0.00154	0.00173	0.00167	0.22318	0.22769	2.23E-01	9.69E-03	2.23E-09	3.73E-05	3.73E-04	1.08E-04	3.64E-02	3.57E-02	2.34E-01
5627	480248.23	3851052.43	0.04615	0.22625	0.00094	0.00156	0.00175	0.00168	0.2232	0.22625	2.21E-01	9.63E-03	2.25E-09	3.78E-05	3.77E-04	1.09E-04	3.64E-02	3.54E-02	2.33E-01
5628	480332.46	3851094.33	0.04608	0.22822	0.00095	0.00157	0.00176	0.00169	0.22614	0.22822	2.21E-01	9.71E-03	2.28E-09	3.80E-05	3.80E-04	1.09E-04	3.69E-02	3.58E-02	2.33E-01
5629	480416.69	3851136.22	0.04621	0.23256	0.00096	0.00158	0.00178	0.0017	0.23093	0.23256	2.22E-01	9.90E-03	2.30E-09	3.83E-05	3.84E-04	1.10E-04	3.77E-02	3.64E-02	2.33E-01
5630	480579.95	3851215.17	0.04616	0.22914	0.001	0.0016	0.0018	0.00173	0.22936	0.22914	2.22E-01	9.75E-03	2.40E-09	3.88E-05	3.88E-04	1.12E-04	3.74E-02	3.59E-02	2.33E-01
5631	480658.98	3851252.22	0.04637	0.22407	0.00102	0.00162	0.00181	0.00175	0.22534	0.22407	2.23E-01	9.53E-03	2.45E-09	3.92E-05	3.90E-04	1.13E-04	3.68E-02	3.51E-02	2.34E-01
5632	480817.36	3851327.85	0.04763	0.21794	0.00107	0.00165	0.00183	0.00181	0.22108	0.21794	2.29E-01	9.27E-03	2.57E-09	4.00E-05	3.95E-04	1.17E-04	3.61E-02	3.41E-02	2.40E-01
5633	480896.71	3851366.42	0.04779	0.21624	0.0011	0.00167	0.00184	0.00184	0.22031	0.21624	2.29E-01	9.20E-03	2.64E-09	4.05E-05	3.97E-04	1.19E-04	3.60E-02	3.39E-02	2.41E-01
5634	480976.07	3851405	0.04779	0.21445	0.00113	0.00169	0.00185	0.00188	0.2194	0.21445	2.29E-01	9.12E-03	2.71E-09	4.09E-05	3.99E-04	1.22E-04	3.58E-02	3.36E-02	2.41E-01
5635	481178	3851487.31	0.04263	0.17257	0.00122	0.00173	0.00187	0.00196	0.17644	0.17257	2.05E-01	7.34E-03	2.93E-09	4.19E-05	4.03E-04	1.27E-04	2.88E-02	2.70E-02	2.14E-01
5636	481244.9	3851557.17	0.04102	0.21535	0.00125	0.00177	0.00189	0.00201	0.21729	0.21535	1.97E-01	9.16E-03	3.00E-09	4.29E-05	4.08E-04	1.30E-04	3.55E-02	3.37E-02	2.08E-01
5637	481311.81	3851627.03	0.03764	0.24711	0.00128	0.00181	0.00192	0.00206	0.24815	0.24711	1.81E-01	1.05E-02	3.07E-09	4.39E-05	4.14E-04	1.33E-04	4.05E-02	3.87E-02	1.94E-01
5638	481378.71	3851696.89	0.03504	0.2377	0.00132	0.00185	0.00195	0.00211	0.23774	0.2377	1.68E-01	1.01E-02	3.17E-09	4.48E-05	4.21E-04	1.37E-04	3.88E-02	3.72E-02	1.80E-01
5639	481445.61	3851766.76	0.03297	0.2349	0.00135	0.0019	0.00198	0.00216	0.23511	0.2349	1.58E-01	9.99E-03	3.24E-09	4.60E-05	4.27E-04	1.40E-04	3.84E-02	3.68E-02	1.70E-01

5640	481512.51	3851836.62	0.03213	0.23466	0.00138	0.00194	0.00201	0.00221	0.23483	0.23466	1.54E-01	9.98E-03	3.31E-09	4.70E-05	4.34E-04	1.43E-04	3.83E-02	3.68E-02	1.66E-01
5641	481579.42	3851906.48	0.03208	0.23312	0.00141	0.00199	0.00205	0.00227	0.23333	0.23312	1.54E-01	9.92E-03	3.38E-09	4.82E-05	4.42E-04	1.47E-04	3.81E-02	3.65E-02	1.66E-01
5642	481646.32	3851976.34	0.03223	0.23514	0.00143	0.00204	0.00208	0.00233	0.23524	0.23514	1.55E-01	1.00E-02	3.43E-09	4.94E-05	4.49E-04	1.51E-04	3.84E-02	3.68E-02	1.67E-01
5643	481713.22	3852046.2	0.03243	0.2335	0.00146	0.0021	0.00211	0.00239	0.23367	0.2335	1.56E-01	9.94E-03	3.50E-09	5.09E-05	4.55E-04	1.55E-04	3.81E-02	3.66E-02	1.68E-01
5644	481780.12	3852116.06	0.03265	0.23548	0.00149	0.00216	0.00215	0.00246	0.23564	0.23548	1.57E-01	1.00E-02	3.57E-09	5.23E-05	4.64E-04	1.59E-04	3.85E-02	3.69E-02	1.69E-01
5645	481847.03	3852185.92	0.03293	0.23876	0.00153	0.00222	0.00218	0.00255	0.23884	0.23876	1.58E-01	1.02E-02	3.67E-09	5.38E-05	4.70E-04	1.65E-04	3.90E-02	3.74E-02	1.70E-01
5646	481913.93	3852255.78	0.03322	0.2405	0.00157	0.00229	0.00222	0.00266	0.24063	0.2405	1.59E-01	1.02E-02	3.77E-09	5.55E-05	4.79E-04	1.72E-04	3.93E-02	3.77E-02	1.72E-01
5647	481980.83	3852325.65	0.03352	0.24338	0.00163	0.00236	0.00225	0.00279	0.24343	0.24338	1.61E-01	1.04E-02	3.91E-09	5.72E-05	4.85E-04	1.81E-04	3.97E-02	3.81E-02	1.74E-01
5648	482047.73	3852395.51	0.03382	0.24397	0.00169	0.00244	0.00229	0.00291	0.24434	0.24397	1.62E-01	1.04E-02	4.05E-09	5.91E-05	4.94E-04	1.88E-04	3.99E-02	3.82E-02	1.75E-01
5649	482114.64	3852465.37	0.03408	0.24416	0.00177	0.00253	0.00233	0.00306	0.2444	0.24416	1.64E-01	1.04E-02	4.25E-09	6.13E-05	5.03E-04	1.98E-04	3.99E-02	3.82E-02	1.76E-01
5650	482181.54	3852535.23	0.0344	0.24756	0.00184	0.00262	0.00237	0.00322	0.24778	0.24756	1.65E-01	1.05E-02	4.41E-09	6.35E-05	5.11E-04	2.08E-04	4.04E-02	3.88E-02	1.78E-01
5651	482338.69	3852700.04	0.0353	0.25317	0.0021	0.00289	0.00247	0.00369	0.25324	0.25317	1.69E-01	1.08E-02	5.04E-09	7.00E-05	5.33E-04	2.39E-04	4.13E-02	3.97E-02	1.83E-01
5652	482404.05	3852767.78	0.03585	0.2513	0.00225	0.00303	0.00252	0.00391	0.25157	0.2513	1.72E-01	1.07E-02	5.40E-09	7.34E-05	5.44E-04	2.53E-04	4.11E-02	3.94E-02	1.85E-01
5653	482469.4	3852835.52	0.03672	0.25288	0.00243	0.00318	0.00256	0.00414	0.25282	0.25288	1.76E-01	1.08E-02	5.83E-09	7.70E-05	5.52E-04	2.68E-04	4.13E-02	3.96E-02	1.90E-01
5654	482534.75	3852903.25	0.03892	0.25272	0.00262	0.00336	0.00261	0.00439	0.25252	0.25272	1.87E-01	1.08E-02	6.28E-09	8.14E-05	5.63E-04	2.84E-04	4.12E-02	3.96E-02	2.00E-01
5655	482600.11	3852970.99	0.0417	0.24662	0.00285	0.00357	0.00266	0.00466	0.24748	0.24662	2.00E-01	1.05E-02	6.84E-09	8.65E-05	5.74E-04	3.02E-04	4.04E-02	3.86E-02	2.13E-01
5656	482706.71	3853119.28	0.0438	0.19967	0.00331	0.00414	0.00278	0.0054	0.20257	0.19967	2.10E-01	8.50E-03	7.94E-09	1.00E-04	6.00E-04	3.49E-04	3.31E-02	3.13E-02	2.22E-01
5657	482747.96	3853199.84	0.04472	0.20263	0.00356	0.00451	0.00284	0.00595	0.20513	0.20263	2.15E-01	8.62E-03	8.54E-09	1.09E-04	6.13E-04	3.85E-04	3.35E-02	3.17E-02	2.26E-01
5658	482789.21	3853280.4	0.04663	0.19131	0.00384	0.00497	0.0029	0.00664	0.19628	0.19131	2.24E-01	8.14E-03	9.21E-09	1.20E-04	6.25E-04	4.30E-04	3.20E-02	3.00E-02	2.35E-01
5659	482830.46	3853360.96	0.04936	0.16135	0.00415	0.00555	0.00297	0.00758	0.17573	0.16135	2.37E-01	6.87E-03	9.95E-09	1.34E-04	6.41E-04	4.90E-04	2.87E-02	2.53E-02	2.48E-01
5660	482871.71	3853441.52	0.05229	0.13856	0.00448	0.00632	0.00303	0.00899	0.15868	0.13856	2.51E-01	5.90E-03	1.07E-08	1.53E-04	6.53E-04	5.82E-04	2.59E-02	2.17E-02	2.62E-01
5661	482912.95	3853522.07	0.05568	0.12088	0.00481	0.0074	0.00311	0.01123	0.14881	0.12088	2.67E-01	5.14E-03	1.15E-08	1.79E-04	6.71E-04	7.27E-04	2.43E-02	1.89E-02	2.79E-01
5662	482954.2	3853602.63	0.05935	0.09946	0.00517	0.00903	0.00319	0.01496	0.14199	0.09946	2.85E-01	4.23E-03	1.24E-08	2.19E-04	6.88E-04	9.68E-04	2.32E-02	1.56E-02	2.99E-01
5663	482995.45	3853683.19	0.06323	0.0832	0.00555	0.01176	0.00328	0.02289	0.13618	0.0832	3.03E-01	3.54E-03	1.33E-08	2.85E-04	7.07E-04	1.48E-03	2.22E-02	1.30E-02	3.19E-01
5664	483036.7	3853763.75	0.06752	0.07141	0.00598	0.01716	0.00338	0.04459	0.13134	0.07141	3.24E-01	3.04E-03	1.43E-08	4.16E-04	7.29E-04	2.89E-03	2.14E-02	1.12E-02	3.41E-01
5665	483214.2	3853909.91	0.07867	0.04012	0.00636	0.13462	0.00361	0.21788	0.07333	0.04012	3.78E-01	1.71E-03	1.53E-08	3.26E-03	7.79E-04	1.41E-02	1.20E-02	6.28E-03	4.03E-01
5666	483307.01	3853910.44	0.07421	0.03338	0.00578	0.11164	0.00362	0.12673	0.05693	0.03338	3.56E-01	1.42E-03	1.39E-08	2.70E-03	7.81E-04	8.20E-03	9.29E-03	5.23E-03	3.73E-01
5667	483399.83	3853910.96	0.06935	0.0284	0.00551	0.0846	0.00364	0.08818	0.04669	0.0284	3.33E-01	1.21E-03	1.32E-08	2.05E-03	7.85E-04	5.71E-03	7.62E-03	4.45E-03	3.46E-01
5668	483494.52	3854009.24	0.07912	0.02548	0.00634	0.13883	0.00379	0.09525	0.05166	0.02548	3.80E-01	1.08E-03	1.52E-08	3.36E-03	8.17E-04	6.16E-03	8.43E-03	3.99E-03	3.96E-01
5669	483496.41	3854106.98	0.08346	0.02607	0.00752	0.28637	0.00393	0.15423	0.07578	0.02607	4.01E-01	1.11E-03	1.80E-08	6.94E-03	8.48E-04	9.98E-03	1.24E-02	4.08E-03	4.28E-01
5670	483577.56	3854261.96	0.08611	0.0234	0.01	0.84454	0.00421	0.3706	0.14008	0.0234	4.13E-01	9.96E-04	2.40E-08	2.05E-02	9.08E-04	2.40E-02	2.29E-02	3.67E-03	4.79E-01
5671	483656.83	3854319.19	0.08767	0.02108	0.01221	1.06855	0.00427	0.35732	0.14923	0.02108	4.21E-01	8.97E-04	2.93E-08	2.59E-02	9.21E-04	2.31E-02	2.44E-02	3.30E-03	4.93E-01
5672	483736.1	3854376.41	0.09009	0.01919	0.01707	1.06367	0.00437	0.34207	0.15857	0.01919	4.32E-01	8.17E-04	4.09E-08	2.58E-02	9.42E-04	2.21E-02	2.59E-02	3.01E-03	5.05E-01
5673	483815.36	3854433.64	0.09289	0.0177	0.02226	1.07678	0.00447	0.3287	0.17043	0.0177	4.46E-01	7.53E-04	5.34E-08	2.61E-02	9.64E-04	2.13E-02	2.78E-02	2.77E-03	5.20E-01
5674	483894.63	3854490.87	0.09622	0.01646	0.02921	1.09159	0.00457	0.31478	0.18379	0.01646	4.62E-01	7.00E-04	7.01E-08	2.64E-02	9.86E-04	2.04E-02	3.00E-02	2.58E-03	5.38E-01
5675	483973.9	3854548.09	0.10028	0.0155	0.03788	1.09545	0.00468	0.29876	0.19743	0.0155	4.81E-01	6.60E-04	9.08E-08	2.65E-02	1.01E-03	1.93E-02	3.22E-02	2.43E-03	5.59E-01
5676	484053.17	3854605.32	0.10424	0.01492	0.04689	1.12052	0.00481	0.29006	0.21841	0.01492	5.00E-01	6.35E-04	1.12E-07	2.71E-02	1.04E-03	1.88E-02	3.57E-02	2.34E-03	5.81E-01
5677	484214.97	3854698.15	0.10609	0.01399	0.05503	1.05527	0.00505	0.24425	0.22546	0.01399	5.09E-01	5.95E-04	1.32E-07	2.56E-02	1.09E-03	1.58E-02	3.68E-02	2.19E-03	5.87E-01
5678	484297.5	3854733.74	0.1055	0.01383	0.0553	1.10379	0.00518	0.24531	0.22934	0.01383	5.06E-01	5.88E-04	1.33E-07	2.67E-02	1.12E-03	1.59E-02	3.74E-02	2.17E-03	5.86E-01
5679	484380.03	3854769.34	0.10739	0.01347	0.05321	1.16987	0.00531	0.23666	0.22521	0.01347	5.15E-01	5.73E-04	1.28E-07	2.83E-02	1.15E-03	1.53E-02	3.68E-02	2.11E-03	5.95E-01
5680	484462.56	3854804.94	0.10848	0.01338	0.05075	1.24174	0.00545	0.23122	0.22394	0.01338	5.21E-01	5.69E-04	1.22E-07	3.01E-02	1.18E-03	1.50E-02	3.66E-02	2.10E-03	6.02E-01
5681	484545.09	3854840.53	0.11061	0.01304	0.04624	1.13548	0.00559	0.21871	0.21531	0.01304	5.31E-01	5.55E-04	1.11E-07	2.75E-02	1.21E-03	1.42E-02	3.51E-02	2.04E-03	6.07E-01
5682	484691.88	3854912.58	0.11121	0.01305	0.03907	1.0154	0.00596	0.23011	0.22635	0.01305	5.34E-01	5.55E-04	9.37E-08	2.46E-02	1.29E-03	1.49E-02	3.69E-02	2.04E-03	6.10E-01
5683	484830.81	3855012.51	0.10899	0.01324	0.03172	1.02971	0.00646	0.24447	0.19117	0.01324	5.23E-01	5.63E-04	7.61E-08	2.49E-02	1.39E-03	1.58E-02	3.12E-02	2.07E-03	5.95E-01
5684	484905.48	3855075.97	0.10821	0.01375	0.02827	1.05393	0.00681	0.23417	0.17665	0.01375	5.19E-01	5.85E-04	6.78E-08	2.55E-02	1.47E-03	1.52E-02	2.88E-02	2.15E-03	5.89E-01
5685	484980.14	3855139.44	0.1078	0.01404	0.02527	1.07109	0.00718	0.23161	0.16738	0.01404	5.17E-01	5.97E-04	6.06E-08	2.59E-02	1.55E-03	1.50E-02	2.73E-02	2.20E-03	5.86E-01
5686	485054.81	3855202.91	0.10785	0.01414	0.0231	0.90617	0.00756	0.22469	0.1581	0.01414	5.18E-01	6.02E-04	5.54E-08	2.20E-02	1.63E-03	1.45E-02	2.58E-02	2.22E-03	5.80E-01
5687	485129.48	3855266.37	0.10872	0.01398	0.02147	0.79525	0.00795	0.21588	0.14654	0.01398	5.22E-01	5.95E-04	5.15E-08	1.93E-02	1.71E-03	1.40E-02	2.39E-02	2.19E-03	5.79E-01
5688	485204.15	3855329.84	0.10789	0.01431	0.02163	0.90563	0.00844	0.22065	0.14434	0.01431	5.18E-01	6.09E-04	5.19E-08	2.19E-02	1.82E-03	1.43E-02	2.36E-02	2.24E-03	5.78E-01
5689	485278.82	3855393.31	0.10788	0.01437	0.02263	0.81424	0.00895	0.21529	0.13715	0.01437	5.18E-01	6.11E-04	5.43E-08	1.97E-02	1.93E-03	1.39E-02	2.24E-02	2.25E-03	5.74E-01
5690	485353.48	3855456.77	0.10744	0.01458	0.02338	0.86655	0.00954	0.21516	0.13197	0.01458	5.16E-01	6.20E-04	5.61E-08	2.10E-02	2.06E-03	1.39E-02	2.15E-02	2.28E-03	5.72E-01
5691	485428.15	3855520.24	0.10745	0.01464	0.02595	0.65264	0.01017	0.20971	0.12558	0.01464	5.16E-01	6.23E-04	6.22E-08	1.58E-02	2.19E-03	1.36E-02	2.05E-02	2.29E-03	5.66E-01
5692	485502.82	3855583.71	0.10729	0.01474	0.02969	0.88041	0.01089	0.20746	0.12056	0.01474	5.15E-01	6.27E-04	7.12E-08	2.13E-02	2.35E-03	1.34E-02	1.97E-02	2.31E-03	5.70E-01
5693	485577.49	3855647.17	0.10655	0.01506	0.03467	0.61838	0.01173	0.2069	0.11753	0.01506	5.11E-01	6.41E-04	8.32E-08	1.50E-02	2.53E-03	1.34E-02	1.92E-02	2.36E-03	5.60E-01
5694	485652.16	3855710.64	0.10585	0.01538	0.0418	0.8637	0.01275	0.20479	0.11429	0.01538	5.08E-01	6.54E-04	1.00E-07	2.09E-02	2.75E-03	1.33E-02	1.87E-02	2.41E-03	5.62E-01
5695	485726.83	3855774.1	0.1056	0.01547	0.04756	0.60994	0.0138	0.2008	0.10967	0.01547	5.07E-01	6.58E-04	1.14E-07	1.48E-02	2.98E-03	1.30E-02	1.79E-02	2.42E-03	5.54E-01
5696	485801.49	3855837.57	0.10564	0.01544	0.05138	0.71083	0.01499	0.19665	0.10476	0.01544	5.07E-01	6.57E-04	1.23E-07	1.72E-02	3.23E-03	1.27E-02	1.71E-02	2.42E-03	5.55E-01

5697	485876.16	3855901.04	0.10537	0.01551	0.05298	0.582	0.01639	0.19694	0.10165	0.01551	5.06E-01	6.60E-04	1.27E-07	1.41E-02	3.53E-03	1.27E-02	1.66E-02	2.43E-03	5.51E-01
5698	485950.83	3855964.5	0.10529	0.01549	0.05125	0.67475	0.01799	0.1939	0.09843	0.01549	5.05E-01	6.59E-04	1.23E-07	1.63E-02	3.88E-03	1.25E-02	1.61E-02	2.43E-03	5.52E-01
5699	486025.5	3856027.97	0.1055	0.01533	0.04652	0.56194	0.01975	0.19115	0.09444	0.01533	5.06E-01	6.52E-04	1.12E-07	1.36E-02	4.26E-03	1.24E-02	1.54E-02	2.40E-03	5.50E-01
5700	486100.17	3856091.44	0.10443	0.01573	0.04199	0.64184	0.02217	0.19009	0.09412	0.01573	5.01E-01	6.69E-04	1.01E-07	1.55E-02	4.78E-03	1.23E-02	1.54E-02	2.46E-03	5.47E-01
5701	486174.83	3856154.9	0.10469	0.0155	0.03573	0.55886	0.02475	0.1855	0.08954	0.0155	5.02E-01	6.60E-04	8.57E-08	1.35E-02	5.34E-03	1.20E-02	1.46E-02	2.43E-03	5.46E-01
5702	486249.5	3856218.37	0.10571	0.01496	0.02962	0.59147	0.0275	0.18106	0.08397	0.01496	5.07E-01	6.37E-04	7.10E-08	1.43E-02	5.93E-03	1.17E-02	1.37E-02	2.34E-03	5.51E-01
5703	486324.17	3856281.84	0.1065	0.0146	0.02487	0.56569	0.03098	0.18142	0.08155	0.0146	5.11E-01	6.21E-04	5.96E-08	1.37E-02	6.68E-03	1.17E-02	1.33E-02	2.29E-03	5.55E-01
5704	486398.84	3856345.3	0.10563	0.01477	0.02197	0.57996	0.0358	0.18157	0.08237	0.01477	5.07E-01	6.28E-04	5.27E-08	1.41E-02	7.72E-03	1.17E-02	1.34E-02	2.31E-03	5.52E-01
5705	486473.51	3856408.77	0.1051	0.0148	0.01952	0.5613	0.04174	0.18076	0.08082	0.0148	5.04E-01	6.30E-04	4.68E-08	1.36E-02	9.00E-03	1.17E-02	1.32E-02	2.32E-03	5.50E-01
5706	486548.17	3856472.24	0.10404	0.015	0.01771	0.56947	0.04966	0.17947	0.08013	0.015	4.99E-01	6.38E-04	4.25E-08	1.38E-02	1.07E-02	1.16E-02	1.31E-02	2.35E-03	5.47E-01
5707	486622.84	3856535.7	0.10288	0.01522	0.01615	0.82116	0.06017	0.17715	0.07894	0.01522	4.94E-01	6.48E-04	3.87E-08	1.99E-02	1.30E-02	1.15E-02	1.29E-02	2.38E-03	5.49E-01
5708	486765.48	3856659.69	0.10099	0.01583	0.01391	0.5822	0.09445	0.17705	0.07557	0.01583	4.85E-01	6.74E-04	3.34E-08	1.41E-02	2.04E-02	1.15E-02	1.23E-02	2.48E-03	5.41E-01
5709	486833.44	3856720.2	0.10059	0.01608	0.01316	1.05717	0.12239	0.17958	0.07454	0.01608	4.83E-01	6.84E-04	3.16E-08	2.56E-02	2.64E-02	1.16E-02	1.22E-02	2.52E-03	5.57E-01
5710	486901.41	3856780.72	0.10006	0.01642	0.0127	1.02795	0.16679	0.18177	0.07339	0.01642	4.80E-01	6.99E-04	3.05E-08	2.49E-02	3.60E-02	1.18E-02	1.20E-02	2.57E-03	5.63E-01
5711	486969.38	3856841.24	0.0996	0.01672	0.01237	0.99362	0.2441	0.18387	0.07252	0.01672	4.78E-01	7.11E-04	2.97E-08	2.41E-02	5.26E-02	1.19E-02	1.18E-02	2.62E-03	5.77E-01
5712	487037.34	3856901.75	0.09923	0.01702	0.01215	0.9615	0.40721	0.18546	0.07177	0.01702	4.76E-01	7.24E-04	2.91E-08	2.33E-02	8.78E-02	1.20E-02	1.17E-02	2.67E-03	6.09E-01
5713	487271.23	3856855.51	0.06529	0.01507	0.01134	0.12842	1.47326	0.06725	0.0399	0.01507	3.13E-01	6.41E-04	2.72E-08	3.11E-03	3.18E-01	4.35E-03	6.51E-03	2.36E-03	6.43E-01
5714	487368.95	3856857.29	0.05986	0.01459	0.01096	0.09933	1.77255	0.05696	0.03489	0.01459	2.87E-01	6.21E-04	2.63E-08	2.41E-03	3.82E-01	3.69E-03	5.70E-03	2.29E-03	6.80E-01
5715	487466.68	3856859.06	0.05543	0.0142	0.01088	0.08137	1.84536	0.0499	0.03107	0.0142	2.66E-01	6.04E-04	2.61E-08	1.97E-03	3.98E-01	3.23E-03	5.07E-03	2.22E-03	6.73E-01
5716	487636.44	3856930	0.05155	0.01407	0.01039	0.06965	2.39846	0.04549	0.02809	0.01407	2.47E-01	5.99E-04	2.49E-08	1.69E-03	5.17E-01	2.94E-03	4.59E-03	2.20E-03	7.72E-01
5717	487709.57	3856928.43	0.04906	0.01379	0.01027	0.06246	2.28483	0.04227	0.02614	0.01379	2.35E-01	5.87E-04	2.46E-08	1.51E-03	4.93E-01	2.73E-03	4.27E-03	2.16E-03	7.35E-01
5718	487782.55	3856841.96	0.04491	0.01287	0.01061	0.05105	1.35404	0.03621	0.02278	0.01287	2.16E-01	5.48E-04	2.54E-08	1.24E-03	2.92E-01	2.34E-03	3.72E-03	2.02E-03	5.13E-01
5719	487849.83	3856754.74	0.04173	0.01211	0.01094	0.04359	1.02649	0.03194	0.02034	0.01211	2.00E-01	5.15E-04	2.62E-08	1.06E-03	2.21E-01	2.07E-03	3.32E-03	1.90E-03	4.27E-01
5720	487918.03	3856819.39	0.0414	0.01237	0.01067	0.04379	1.4935	0.03239	0.02034	0.01237	1.99E-01	5.26E-04	2.56E-08	1.06E-03	3.22E-01	2.10E-03	3.32E-03	1.94E-03	5.26E-01
5721	487918.8	3856886.37	0.04258	0.01282	0.01044	0.04683	1.77257	0.03438	0.02131	0.01282	2.04E-01	5.45E-04	2.50E-08	1.13E-03	3.82E-01	2.22E-03	3.48E-03	2.01E-03	5.92E-01
5722	488065.46	3857127.5	0.04448	0.014	0.01137	0.05325	2.36622	0.03948	0.02309	0.014	2.13E-01	5.96E-04	2.73E-08	1.29E-03	5.10E-01	2.55E-03	3.77E-03	2.19E-03	7.30E-01
5723	488192.19	3857385.83	0.04813	0.01616	0.01714	0.06533	2.01031	0.0495	0.02608	0.01616	2.31E-01	6.88E-04	4.11E-08	1.58E-03	4.34E-01	3.20E-03	4.26E-03	2.53E-03	6.72E-01
5724	488191.21	3857473.87	0.05128	0.01737	0.02176	0.0757	1.86305	0.05658	0.02854	0.01737	2.46E-01	7.39E-04	5.22E-08	1.83E-03	4.02E-01	3.66E-03	4.66E-03	2.72E-03	6.56E-01
5725	488190.24	3857561.9	0.05518	0.01878	0.02853	0.09028	1.67018	0.06642	0.03157	0.01878	2.65E-01	7.99E-04	6.84E-08	2.19E-03	3.60E-01	4.30E-03	5.15E-03	2.94E-03	6.35E-01
5726	488158.35	3857691.13	0.0653	0.02153	0.04626	0.14041	1.11272	0.09794	0.03939	0.02153	3.13E-01	9.16E-04	1.11E-07	3.40E-03	2.40E-01	6.34E-03	6.43E-03	3.37E-03	5.67E-01
5727	488208.37	3857816.66	0.07377	0.02409	0.07386	0.1989	0.20079	0.15346	0.04498	0.02409	3.54E-01	1.02E-03	1.77E-07	4.82E-03	4.33E-02	9.93E-03	7.34E-03	3.77E-03	4.17E-01
5728	488271.97	3857874.6	0.07417	0.02495	0.08112	0.19958	0.1178	0.16035	0.04476	0.02495	3.56E-01	1.06E-03	1.95E-07	4.84E-03	2.54E-02	1.04E-02	7.31E-03	3.91E-03	4.01E-01
5729	488463.56	3857942.31	0.06453	0.02447	0.07079	0.13085	0.08492	0.11312	0.03741	0.02447	3.10E-01	1.04E-03	1.70E-07	3.17E-03	1.83E-02	7.32E-03	6.11E-03	3.83E-03	3.42E-01
5730	488554.83	3857940.83	0.05922	0.02326	0.06346	0.10434	0.08544	0.09486	0.03327	0.02326	2.84E-01	9.90E-04	1.52E-07	2.53E-03	1.84E-02	6.14E-03	5.43E-03	3.64E-03	3.14E-01
5731	488646.1	3857939.36	0.05531	0.02217	0.05736	0.08796	0.08496	0.08243	0.03	0.02217	2.65E-01	9.43E-04	1.38E-07	2.13E-03	1.83E-02	5.33E-03	4.90E-03	3.47E-03	2.94E-01
5732	488737.37	3857937.88	0.05245	0.02116	0.05221	0.07705	0.08424	0.07338	0.02738	0.02116	2.52E-01	9.00E-04	1.25E-07	1.87E-03	1.82E-02	4.75E-03	4.47E-03	3.31E-03	2.79E-01
5733	488733.59	3857960.57	0.05387	0.02167	0.05241	0.08053	0.07713	0.07571	0.02811	0.02167	2.59E-01	9.22E-04	1.26E-07	1.95E-03	1.66E-02	4.90E-03	4.59E-03	3.39E-03	2.84E-01
5734	488638.09	3857961.57	0.05696	0.02277	0.05801	0.09331	0.07762	0.08596	0.03103	0.02277	2.73E-01	9.69E-04	1.39E-07	2.26E-03	1.67E-02	5.56E-03	5.06E-03	3.57E-03	3.00E-01
5735	488542.6	3857962.56	0.06136	0.024	0.06478	0.11328	0.07781	0.10045	0.03476	0.024	2.94E-01	1.02E-03	1.55E-07	2.74E-03	1.68E-02	6.50E-03	5.67E-03	3.76E-03	3.23E-01
5736	488447.1	3857963.56	0.06765	0.02533	0.07297	0.14794	0.07698	0.12281	0.03956	0.02533	3.25E-01	1.08E-03	1.75E-07	3.58E-03	1.66E-02	7.95E-03	6.46E-03	3.97E-03	3.56E-01
5737	488254.28	3857890.36	0.0786	0.02571	0.08576	0.2392	0.10347	0.18204	0.0476	0.02571	3.77E-01	1.09E-03	2.06E-07	5.80E-03	2.23E-02	1.18E-02	7.77E-03	4.03E-03	4.22E-01
5738	488191.69	3857833.06	0.07813	0.02476	0.07892	0.23814	0.16432	0.17924	0.04779	0.02476	3.75E-01	1.05E-03	1.89E-07	5.77E-03	3.54E-02	1.16E-02	7.80E-03	3.88E-03	4.33E-01
5739	488129.5	3857907.43	0.11138	0.02843	0.10531	1.02666	0.07853	0.44157	0.06509	0.02843	5.35E-01	1.21E-03	2.53E-07	2.49E-02	1.69E-02	2.86E-02	1.06E-02	4.45E-03	6.12E-01
5740	488196.47	3857968.73	0.11229	0.02976	0.10548	1.03279	0.06321	0.40248	0.06472	0.02976	5.39E-01	1.27E-03	2.53E-07	2.50E-02	1.36E-02	2.60E-02	1.06E-02	4.66E-03	6.11E-01
5741	488263.44	3858030.04	0.11331	0.03111	0.09442	1.03165	0.05347	0.3926	0.06397	0.03111	5.44E-01	1.32E-03	2.26E-07	2.50E-02	1.15E-02	2.54E-02	1.04E-02	4.87E-03	6.13E-01
5742	488400.64	3858132.9	0.11116	0.03304	0.06512	0.68046	0.04319	0.30716	0.05962	0.03304	5.33E-01	1.41E-03	1.56E-07	1.65E-02	9.31E-03	1.99E-02	9.73E-03	5.18E-03	5.85E-01
5743	488519.89	3858218.38	0.11223	0.03538	0.04814	0.49498	0.03627	0.25205	0.05781	0.03538	5.39E-01	1.51E-03	1.15E-07	1.20E-02	7.82E-03	1.63E-02	9.44E-03	5.54E-03	5.80E-01
5744	488647.97	3858214.99	0.09698	0.03156	0.04262	0.20057	0.03671	0.13867	0.04484	0.03156	4.65E-01	1.34E-03	1.02E-07	4.86E-03	7.92E-03	8.97E-03	7.32E-03	4.94E-03	4.91E-01
5745	488727.05	3858167.67	0.08537	0.02781	0.04274	0.12957	0.0405	0.10233	0.03687	0.02781	4.10E-01	1.18E-03	1.03E-07	3.14E-03	8.73E-03	6.62E-03	6.02E-03	4.36E-03	4.31E-01
5746	488806.12	3858120.35	0.07806	0.02488	0.04261	0.09863	0.04548	0.08383	0.03146	0.02488	3.75E-01	1.06E-03	1.02E-07	2.39E-03	9.81E-03	5.42E-03	5.14E-03	3.90E-03	3.95E-01
5747	488885.2	3858073.03	0.07275	0.02254	0.04202	0.0814	0.05213	0.07206	0.0275	0.02254	3.49E-01	9.59E-04	1.01E-07	1.97E-03	1.12E-02	4.66E-03	4.49E-03	3.53E-03	3.69E-01
5748	489055.76	3857991.17	0.067	0.01909	0.03842	0.06318	0.06732	0.05701	0.02212	0.01909	3.22E-01	8.12E-04	9.21E-08	1.53E-03	1.45E-02	3.69E-03	3.61E-03	2.99E-03	3.43E-01
5749	489245.39	3857944.54	0.0679	0.01686	0.03391	0.05382	0.07567	0.04765	0.01886	0.01686	3.26E-01	7.17E-04	8.13E-08	1.30E-03	1.63E-02	3.08E-03	3.08E-03	2.64E-03	3.48E-01
5750	489430.63	3857930.91	0.06957	0.01559	0.03029	0.04985	0.07521	0.04222	0.01693	0.01559	3.34E-01	6.63E-04	7.26E-08	1.21E-03	1.62E-02	2.73E-03	2.76E-03	2.44E-03	3.55E-01
5751	489517.74	3857929.36	0.06939	0.0151	0.0285	0.04916	0.07392	0.04024	0.01621	0.0151	3.33E-01	6.42E-04	6.84E-08	1.19E-03	1.59E-02	2.60E-03	2.65E-03	2.37E-03	3.54E-01
5752	489604.85	3857927.82	0.06838	0.01462	0.02674	0.0487	0.07271	0.03843	0.01554	0.01462	3.28E-01	6.22E-04	6.41E-08	1.18E-03	1.57E-02	2.49E-03	2.54E-03	2.29E-03	3.48E-01
5753	489691.97	3857926.28	0.06702	0.0142	0.0252	0.04794	0.0713	0.03684	0.01495	0.0142	3.22E-01	6.04E-04	6.04E-08	1.16E-03	1.54E-02	2.38E-03	2.44E-03	2.22E-03	3.41E-01

5754	489779.08	3857924.73	0.0655	0.01379	0.02371	0.04773	0.0699	0.03536	0.0144	0.01379	3.14E-01	5.87E-04	5.69E-08	1.16E-03	1.51E-02	2.29E-03	2.35E-03	2.16E-03	3.34E-01
5755	490017.55	3857875.08	0.05316	0.01248	0.02079	0.04477	0.07123	0.0312	0.01285	0.01248	2.55E-01	5.31E-04	4.99E-08	1.08E-03	1.54E-02	2.02E-03	2.10E-03	1.96E-03	2.74E-01
5756	490033.82	3857960.81	0.05233	0.01307	0.02031	0.05363	0.06097	0.03234	0.01328	0.01307	2.51E-01	5.56E-04	4.87E-08	1.30E-03	1.31E-02	2.09E-03	2.17E-03	2.05E-03	2.68E-01
5757	489959.15	3857987.49	0.0521	0.01362	0.02098	0.05691	0.05881	0.03387	0.01386	0.01362	2.50E-01	5.80E-04	5.03E-08	1.38E-03	1.27E-02	2.19E-03	2.26E-03	2.13E-03	2.67E-01
5758	489791.49	3858016.12	0.04982	0.0145	0.02276	0.05925	0.0576	0.03674	0.01495	0.0145	2.39E-01	6.17E-04	5.46E-08	1.44E-03	1.24E-02	2.38E-03	2.44E-03	2.27E-03	2.56E-01
5759	489698.51	3858018.07	0.05192	0.01499	0.02431	0.05789	0.05815	0.03848	0.0156	0.01499	2.49E-01	6.38E-04	5.83E-08	1.40E-03	1.25E-02	2.49E-03	2.55E-03	2.35E-03	2.66E-01
5760	489605.52	3858020.01	0.05404	0.01553	0.02595	0.05788	0.05863	0.04042	0.01632	0.01553	2.59E-01	6.61E-04	6.22E-08	1.40E-03	1.26E-02	2.62E-03	2.66E-03	2.43E-03	2.77E-01
5761	489512.53	3858021.96	0.05624	0.0161	0.02774	0.05819	0.05903	0.04257	0.01711	0.0161	2.70E-01	6.85E-04	6.65E-08	1.41E-03	1.27E-02	2.75E-03	2.79E-03	2.52E-03	2.88E-01
5762	489419.55	3858023.91	0.05869	0.01674	0.02959	0.05846	0.05928	0.04505	0.01801	0.01674	2.82E-01	7.12E-04	7.10E-08	1.42E-03	1.28E-02	2.91E-03	2.94E-03	2.62E-03	3.00E-01
5763	489228.47	3858041.29	0.06506	0.01826	0.03256	0.06253	0.05785	0.05139	0.0203	0.01826	3.12E-01	7.77E-04	7.81E-08	1.51E-03	1.25E-02	3.33E-03	3.31E-03	2.86E-03	3.31E-01
5764	489065.75	3858085.78	0.06992	0.02066	0.03538	0.07224	0.05073	0.06092	0.02373	0.02066	3.36E-01	8.79E-04	8.49E-08	1.75E-03	1.09E-02	3.94E-03	3.87E-03	3.24E-03	3.54E-01
5765	489001.12	3858114.86	0.07414	0.02201	0.03615	0.0787	0.04659	0.06637	0.02573	0.02201	3.56E-01	9.36E-04	8.67E-08	1.91E-03	1.00E-02	4.29E-03	4.20E-03	3.45E-03	3.74E-01
5766	488861.89	3858189.81	0.08368	0.02592	0.03649	0.10492	0.03838	0.08473	0.03205	0.02592	4.02E-01	1.10E-03	8.75E-08	2.54E-03	8.28E-03	5.48E-03	5.23E-03	4.06E-03	4.20E-01
5767	488787.29	3858235.69	0.08945	0.02917	0.03633	0.1371	0.03471	0.1037	0.03754	0.02917	4.29E-01	1.24E-03	8.71E-08	3.32E-03	7.49E-03	6.71E-03	6.13E-03	4.57E-03	4.50E-01
5768	488712.68	3858281.57	0.09762	0.03305	0.03589	0.20935	0.03218	0.14018	0.04525	0.03305	4.68E-01	1.41E-03	8.61E-08	5.07E-03	6.94E-03	9.07E-03	7.39E-03	5.18E-03	4.93E-01
5769	488654.39	3858436.17	0.10538	0.04771	0.02799	0.52229	0.02517	0.35296	0.0753	0.04771	5.06E-01	2.03E-03	6.71E-08	1.27E-02	5.43E-03	2.28E-02	1.23E-02	7.47E-03	5.53E-01
5770	488726.3	3858505.26	0.09548	0.05142	0.02391	0.48243	0.02292	0.31699	0.07595	0.05142	4.58E-01	2.19E-03	5.73E-08	1.17E-02	4.94E-03	2.05E-02	1.24E-02	8.06E-03	5.02E-01
5771	488880.6	3858599.28	0.10001	0.05267	0.02028	0.80766	0.02	0.41361	0.06621	0.05267	4.80E-01	2.24E-03	4.86E-08	1.96E-02	4.31E-03	2.68E-02	1.08E-02	8.25E-03	5.35E-01
5772	489008.06	3858714.75	0.0693	0.05993	0.01861	1.11024	0.01718	0.40859	0.06981	0.05993	3.33E-01	2.55E-03	4.46E-08	2.69E-02	3.71E-03	2.64E-02	1.14E-02	9.39E-03	3.94E-01
5773	489071.48	3858772.72	0.06503	0.06442	0.01858	0.87054	0.01599	0.40787	0.07369	0.06442	3.12E-01	2.74E-03	4.46E-08	2.11E-02	3.45E-03	2.64E-02	1.20E-02	1.01E-02	3.68E-01
5774	489244.59	3858920.19	0.06246	0.07796	0.02191	1.37631	0.01335	0.38696	0.08341	0.07796	3.00E-01	3.32E-03	5.25E-08	3.33E-02	2.88E-03	2.50E-02	1.36E-02	1.22E-02	3.66E-01
5775	489239.69	3858952.23	0.06622	0.09079	0.02315	0.9819	0.0131	0.32867	0.09792	0.09079	3.18E-01	3.86E-03	5.55E-08	2.38E-02	2.83E-03	2.13E-02	1.60E-02	1.42E-02	3.71E-01
5776	489121.67	3858854.49	0.06604	0.07859	0.01948	0.66052	0.01473	0.29752	0.09001	0.07859	3.17E-01	3.34E-03	4.67E-08	1.60E-02	3.18E-03	1.93E-02	1.47E-02	1.23E-02	3.61E-01
5777	489059.59	3858797.27	0.06709	0.07187	0.01866	0.60003	0.01577	0.29757	0.08417	0.07187	3.22E-01	3.06E-03	4.48E-08	1.45E-02	3.40E-03	1.93E-02	1.37E-02	1.13E-02	3.65E-01
5778	488997.52	3858740.04	0.07058	0.06614	0.01846	0.60798	0.01692	0.30029	0.07879	0.06614	3.39E-01	2.81E-03	4.43E-08	1.47E-02	3.65E-03	1.94E-02	1.29E-02	1.04E-02	3.82E-01
5779	488935.44	3858682.82	0.07924	0.06142	0.01885	0.57592	0.01816	0.31569	0.07489	0.06142	3.80E-01	2.61E-03	4.52E-08	1.40E-02	3.92E-03	2.04E-02	1.22E-02	9.62E-03	4.24E-01
5780	488869.17	3858848.43	0.10704	0.17209	0.01699	0.08389	0.01583	0.07795	0.33711	0.17209	5.14E-01	7.32E-03	4.07E-08	2.03E-03	3.41E-03	5.04E-03	5.50E-02	2.70E-02	5.60E-01
5781	488932.48	3858892.69	0.10661	0.18727	0.01775	0.09177	0.0152	0.07892	0.3355	0.18727	5.12E-01	7.97E-03	4.26E-08	2.22E-03	3.28E-03	5.11E-03	5.48E-02	2.93E-02	5.56E-01
5782	489063.27	3858977.17	0.09921	0.21175	0.0209	0.1217	0.01395	0.08187	0.30352	0.21175	4.76E-01	9.01E-03	5.01E-08	2.95E-03	3.01E-03	5.30E-03	4.95E-02	3.32E-02	5.13E-01
5783	489248.2	3859117.15	0.08721	0.33661	0.03371	0.42298	0.01197	0.07596	0.39193	0.33661	4.19E-01	1.43E-02	8.08E-08	1.02E-02	2.58E-03	4.91E-03	6.40E-02	5.27E-02	4.62E-01
5784	489296.25	3859049.22	0.07607	0.13213	0.03023	0.36389	0.01203	0.14104	0.13983	0.13213	3.65E-01	5.62E-03	7.25E-08	8.82E-03	2.59E-03	9.13E-03	2.28E-02	2.07E-02	3.93E-01
5785	489353.38	3858993.96	0.07134	0.08278	0.02709	1.05206	0.01213	0.40761	0.08466	0.08278	3.42E-01	3.52E-03	6.50E-08	2.55E-02	2.62E-03	2.64E-02	1.38E-02	1.30E-02	4.01E-01
5786	489537.24	3859120.22	0.08214	0.09255	0.05277	0.84746	0.01045	0.42372	0.09309	0.09255	3.94E-01	3.94E-03	1.27E-07	2.05E-02	2.25E-03	2.74E-02	1.52E-02	1.45E-02	4.49E-01
5787	489726.98	3859246.04	0.08087	0.10363	0.17786	0.88793	0.00909	0.41165	0.10379	0.10363	3.88E-01	4.41E-03	4.27E-07	2.15E-02	1.96E-03	2.66E-02	1.69E-02	1.62E-02	4.43E-01
5788	489911.46	3859366.33	0.07895	0.11477	1.27149	0.88791	0.00811	0.39425	0.11587	0.11477	3.79E-01	4.88E-03	3.05E-06	2.15E-02	1.75E-03	2.55E-02	1.89E-02	1.80E-02	4.33E-01
5789	490035.3	3859430.26	0.08156	0.11399	0.74415	1.00289	0.00758	0.43177	0.11491	0.11399	3.91E-01	4.85E-03	1.78E-06	2.43E-02	1.63E-03	2.79E-02	1.88E-02	1.79E-02	4.51E-01
5790	490101.11	3859458.61	0.07876	0.11038	0.44775	0.96657	0.0074	0.41809	0.11105	0.11038	3.78E-01	4.70E-03	1.07E-06	2.34E-02	1.60E-03	2.71E-02	1.81E-02	1.73E-02	4.36E-01
5791	490312.68	3859560.3	0.07179	0.11937	0.12434	0.98426	0.00683	0.34549	0.11972	0.11937	3.45E-01	5.08E-03	2.98E-07	2.38E-02	1.47E-03	2.24E-02	1.95E-02	1.87E-02	3.98E-01
5792	490401.63	3859603.12	0.07402	0.12686	0.0856	0.98589	0.00663	0.34127	0.12805	0.12686	3.55E-01	5.40E-03	2.05E-07	2.39E-02	1.43E-03	2.21E-02	2.09E-02	1.99E-02	4.09E-01
5793	490490.57	3859645.94	0.07305	0.1346	0.06283	0.98574	0.00645	0.33625	0.1368	0.1346	3.51E-01	5.73E-03	1.51E-07	2.39E-02	1.39E-03	2.18E-02	2.23E-02	2.11E-02	4.05E-01
5794	490579.51	3859688.76	0.07134	0.14195	0.04834	0.98548	0.0063	0.33071	0.1453	0.14195	3.42E-01	6.04E-03	1.16E-07	2.39E-02	1.36E-03	2.14E-02	2.37E-02	2.22E-02	3.97E-01
5795	490668.45	3859731.58	0.06946	0.14603	0.03767	0.9764	0.00616	0.32008	0.15064	0.14603	3.33E-01	6.21E-03	9.03E-08	2.37E-02	1.33E-03	2.07E-02	2.46E-02	2.29E-02	3.87E-01
5796	490757.4	3859774.4	0.06759	0.15859	0.03103	0.9941	0.00599	0.3244	0.16494	0.15859	3.24E-01	6.75E-03	7.44E-08	2.41E-02	1.29E-03	2.10E-02	2.69E-02	2.48E-02	3.80E-01
5797	491003.53	3859861.82	0.0657	0.13773	0.0218	1.02886	0.0057	0.3066	0.14404	0.13773	3.15E-01	5.86E-03	5.23E-08	2.49E-02	1.23E-03	1.98E-02	2.35E-02	2.16E-02	3.69E-01
5798	491081.41	3859879.05	0.06587	0.12187	0.02055	1.09765	0.00564	0.31508	0.12489	0.12187	3.16E-01	5.19E-03	4.93E-08	2.66E-02	1.22E-03	2.04E-02	2.04E-02	1.91E-02	3.71E-01
5799	491229.76	3859917.82	0.06631	0.09862	0.01812	1.05516	0.00552	0.33063	0.09787	0.09862	3.18E-01	4.20E-03	4.35E-08	2.56E-02	1.19E-03	2.14E-02	1.60E-02	1.54E-02	3.71E-01
5800	491300.22	3859939.35	0.06423	0.08964	0.01683	1.0411	0.00545	0.32782	0.08912	0.08964	3.08E-01	3.81E-03	4.04E-08	2.52E-02	1.18E-03	2.12E-02	1.45E-02	1.40E-02	3.60E-01
5801	491350.48	3860012.03	0.06344	0.10712	0.01379	0.28761	0.00511	0.29513	0.10565	0.10712	3.04E-01	4.56E-03	3.31E-08	6.97E-03	1.10E-03	1.91E-02	1.72E-02	1.68E-02	3.37E-01
5802	491406.82	3860092.56	0.06261	0.12465	0.01134	0.10438	0.00482	0.08869	0.12379	0.12465	3.00E-01	5.30E-03	2.72E-08	2.53E-03	1.04E-03	5.74E-03	2.02E-02	1.95E-02	3.16E-01
5803	491483.36	3860121.96	0.06246	0.10598	0.01068	0.0949	0.00475	0.08295	0.10655	0.10598	3.00E-01	4.51E-03	2.56E-08	2.30E-03	1.02E-03	5.37E-03	1.74E-02	1.66E-02	3.14E-01
5804	491559.91	3860151.35	0.06187	0.09233	0.01006	0.08285	0.00468	0.07549	0.0936	0.09233	2.97E-01	3.93E-03	2.41E-08	2.01E-03	1.01E-03	4.88E-03	1.53E-02	1.45E-02	3.10E-01
5805	491711.81	3860237.76	0.06107	0.06684	0.00886	0.04211	0.00461	0.04978	0.06872	0.06684	2.93E-01	2.84E-03	2.12E-08	1.02E-03	9.94E-04	3.22E-03	1.12E-02	1.05E-02	3.02E-01
5806	491755.2	3860319.07	0.05069	0.09579	0.00725	0.02886	0.00419	0.03618	0.09971	0.09579	2.43E-01	4.08E-03	1.74E-08	6.99E-04	9.04E-04	2.34E-03	1.63E-02	1.50E-02	2.53E-01
5807	491704.71	3860366.54	0.0455	0.15387	0.00659	0.02536	0.00406	0.02967	0.16257	0.15387	2.18E-01	6.55E-03	1.58E-08	6.14E-04	8.76E-04	1.92E-03	2.65E-02	2.41E-02	2.31E-01
5808	491623.42	3860462.39	0.02014	0.17018	0.00554	0.02082	0.00384	0.02274	0.14981	0.17018	9.66E-02	7.24E-03	1.33E-08	5.04E-04	8.28E-04	1.47E-03	2.45E-02	2.67E-02	1.04E-01
5809	491534.02	3860439.84	0.02119	0.07019	0.00605	0.02284	0.00404	0.02377	0.06721	0.07019	1.02E-01	2.99E-03	1.45E-08	5.53E-04	8.71E-04	1.54E-03	1.10E-02	1.10E-02	1.08E-01
5810	491313.95	3860268.17	0.02794	0.087	0.00729	0.03268	0.00423	0.02939	0.08673	0.087	1.34E-01	3.70E-03	1.75E-08	7.92E-04	9.12E-04	1.90E-03	1.42E-02	1.36E-02	1.42E-01

5811	491187.12	3860143.56	0.03483	0.12379	0.00952	0.04905	0.00459	0.04014	0.13049	0.12379	1.67E-01	5.27E-03	2.28E-08	1.19E-03	9.90E-04	2.60E-03	2.13E-02	1.94E-02	1.79E-01
5812	491070.43	3860075.97	0.03397	0.10905	0.01118	0.05993	0.00481	0.04734	0.11076	0.10905	1.63E-01	4.64E-03	2.68E-08	1.45E-03	1.04E-03	3.06E-03	1.81E-02	1.71E-02	1.74E-01
5813	490995.09	3860039.38	0.03417	0.10068	0.01224	0.06601	0.00492	0.05162	0.10239	0.10068	1.64E-01	4.28E-03	2.94E-08	1.60E-03	1.06E-03	3.34E-03	1.67E-02	1.58E-02	1.75E-01
5814	490919.75	3860002.8	0.0343	0.10309	0.01351	0.07336	0.00504	0.05712	0.10047	0.10309	1.65E-01	4.39E-03	3.24E-08	1.78E-03	1.09E-03	3.70E-03	1.64E-02	1.61E-02	1.76E-01
5815	490756.81	3859894.53	0.03732	0.24408	0.01938	0.11862	0.00544	0.09321	0.22205	0.24408	1.79E-01	1.04E-02	4.65E-08	2.87E-03	1.17E-03	6.03E-03	3.62E-02	3.82E-02	1.98E-01
5816	490668.07	3859860.92	0.03716	0.22884	0.02154	0.11173	0.00552	0.08576	0.21149	0.22884	1.78E-01	9.74E-03	5.17E-08	2.71E-03	1.19E-03	5.55E-03	3.45E-02	3.58E-02	1.96E-01
5817	490579.34	3859827.3	0.03791	0.222	0.02444	0.10623	0.00563	0.08017	0.20851	0.222	1.82E-01	9.45E-03	5.86E-08	2.57E-03	1.21E-03	5.19E-03	3.40E-02	3.48E-02	2.00E-01
5818	490490.6	3859793.68	0.03889	0.20552	0.02786	0.10022	0.00573	0.07454	0.19623	0.20552	1.87E-01	8.74E-03	6.68E-08	2.43E-03	1.24E-03	4.82E-03	3.20E-02	3.22E-02	2.04E-01
5819	490401.86	3859760.07	0.04004	0.19363	0.03235	0.09539	0.00583	0.07002	0.18749	0.19363	1.92E-01	8.24E-03	7.76E-08	2.31E-03	1.26E-03	4.53E-03	3.06E-02	3.03E-02	2.09E-01
5820	490313.12	3859726.45	0.04123	0.18846	0.03859	0.09188	0.00598	0.06651	0.18484	0.18846	1.98E-01	8.02E-03	9.26E-08	2.23E-03	1.29E-03	4.30E-03	3.02E-02	2.95E-02	2.14E-01
5821	490224.39	3859692.83	0.04244	0.18419	0.04741	0.08915	0.00615	0.0635	0.18269	0.18419	2.04E-01	7.84E-03	1.14E-07	2.16E-03	1.33E-03	4.11E-03	2.98E-02	2.89E-02	2.20E-01
5822	490135.65	3859659.22	0.04333	0.18046	0.06057	0.08713	0.00638	0.0608	0.18071	0.18046	2.08E-01	7.68E-03	1.45E-07	2.11E-03	1.38E-03	3.93E-03	2.95E-02	2.83E-02	2.24E-01
5823	489918.18	3859559.23	0.04804	0.19011	0.1799	0.08931	0.00715	0.05981	0.18316	0.19011	2.31E-01	8.09E-03	4.31E-07	2.16E-03	1.54E-03	3.87E-03	2.99E-02	2.98E-02	2.46E-01
5824	489743.61	3859486	0.0512	0.12579	0.75358	0.08795	0.00794	0.05686	0.1208	0.12579	2.46E-01	5.35E-03	1.81E-06	2.13E-03	1.71E-03	3.68E-03	1.97E-02	1.97E-02	2.59E-01
5825	489660.32	3859440.27	0.05308	0.12565	0.75194	0.09196	0.00842	0.05708	0.11997	0.12565	2.55E-01	5.35E-03	1.80E-06	2.23E-03	1.82E-03	3.69E-03	1.96E-02	1.97E-02	2.68E-01
5826	489577.04	3859394.53	0.05464	0.12565	0.32513	0.09833	0.00896	0.05729	0.1192	0.12565	2.62E-01	5.35E-03	7.80E-07	2.38E-03	1.93E-03	3.71E-03	1.95E-02	1.97E-02	2.75E-01
5827	489493.75	3859348.8	0.05604	0.125	0.15162	0.10932	0.00952	0.05764	0.11747	0.125	2.69E-01	5.32E-03	3.64E-07	2.65E-03	2.05E-03	3.73E-03	1.92E-02	1.96E-02	2.82E-01
5828	489321.28	3859240.02	0.06175	0.15791	0.05379	0.19414	0.01089	0.06077	0.13501	0.15791	2.96E-01	6.72E-03	1.29E-07	4.70E-03	2.35E-03	3.93E-03	2.20E-02	2.47E-02	3.11E-01
5829	489235.41	3859193.96	0.06456	0.1561	0.03888	0.49591	0.01162	0.06162	0.12683	0.1561	3.10E-01	6.64E-03	9.32E-08	1.20E-02	2.51E-03	3.99E-03	2.07E-02	2.45E-02	3.31E-01
5830	489149.54	3859147.89	0.06798	0.14849	0.02992	0.14925	0.01221	0.0629	0.11438	0.14849	3.26E-01	6.32E-03	7.18E-08	3.62E-03	2.63E-03	4.07E-03	1.87E-02	2.33E-02	3.38E-01
5831	489063.68	3859101.82	0.07342	0.14774	0.02441	0.08627	0.01281	0.0645	0.10102	0.14774	3.52E-01	6.29E-03	5.85E-08	2.09E-03	2.76E-03	4.17E-03	1.65E-02	2.31E-02	3.61E-01
5832	488977.81	3859055.75	0.08198	0.14653	0.02076	0.06872	0.0133	0.06637	0.08633	0.14653	3.93E-01	6.23E-03	4.98E-08	1.66E-03	2.87E-03	4.29E-03	1.41E-02	2.30E-02	4.00E-01
5833	488891.94	3859009.69	0.09536	0.14146	0.0182	0.05867	0.0135	0.0687	0.07365	0.14146	4.58E-01	6.02E-03	4.36E-08	1.42E-03	2.91E-03	4.45E-03	1.20E-02	2.22E-02	4.62E-01
5834	488808	3859060.73	0.10747	0.04935	0.01671	0.04452	0.01198	0.07066	0.03524	0.04935	5.16E-01	2.10E-03	4.01E-08	1.08E-03	2.58E-03	4.57E-03	5.75E-03	7.73E-03	5.24E-01
5835	488809.93	3859157.85	0.1045	0.02968	0.01629	0.03924	0.0105	0.0688	0.0243	0.02968	5.01E-01	1.26E-03	3.91E-08	9.51E-04	2.26E-03	4.45E-03	3.97E-03	4.65E-03	5.10E-01
5836	488811.85	3859254.96	0.10247	0.02143	0.01542	0.03551	0.00915	0.06565	0.01862	0.02143	4.92E-01	9.12E-04	3.70E-08	8.60E-04	1.97E-03	4.25E-03	3.04E-03	3.36E-03	4.99E-01
5837	488813.78	3859352.07	0.10097	0.01692	0.0141	0.03277	0.00794	0.06307	0.01517	0.01692	4.85E-01	7.20E-04	3.38E-08	7.94E-04	1.71E-03	4.08E-03	2.48E-03	2.65E-03	4.92E-01
5838	488815.71	3859449.19	0.10084	0.0141	0.01315	0.03062	0.00692	0.06129	0.01287	0.0141	4.84E-01	6.00E-04	3.15E-08	7.42E-04	1.49E-03	3.97E-03	2.10E-03	2.21E-03	4.91E-01
5839	488910.04	3859547.1	0.09592	0.01304	0.01481	0.03433	0.0069	0.05375	0.01212	0.01304	4.60E-01	5.55E-04	3.55E-08	8.32E-04	1.49E-03	3.48E-03	1.98E-03	2.04E-03	4.67E-01
5840	489002.45	3859547.91	0.08919	0.01415	0.01727	0.04449	0.00779	0.0495	0.01325	0.01415	4.28E-01	6.02E-04	4.14E-08	1.08E-03	1.68E-03	3.20E-03	2.16E-03	2.22E-03	4.35E-01
5841	489094.85	3859548.71	0.08335	0.01552	0.02066	0.071	0.00856	0.0464	0.01464	0.01552	4.00E-01	6.60E-04	4.95E-08	1.72E-03	1.85E-03	3.00E-03	2.39E-03	2.43E-03	4.07E-01
5842	489230.05	3859601.87	0.07869	0.01614	0.02533	0.49404	0.00882	0.0425	0.01538	0.01614	3.78E-01	6.87E-04	6.07E-08	1.20E-02	1.90E-03	2.75E-03	2.51E-03	2.53E-03	3.95E-01
5843	489227.52	3859680.89	0.07654	0.01388	0.02012	0.51498	0.00821	0.04117	0.01327	0.01388	3.67E-01	5.91E-04	4.83E-08	1.25E-02	1.77E-03	2.66E-03	2.17E-03	2.17E-03	3.85E-01
5844	489133.47	3859760.29	0.05834	0.01142	0.01439	0.09787	0.00697	0.04206	0.01089	0.01142	2.80E-01	4.86E-04	3.45E-08	2.37E-03	1.50E-03	2.72E-03	1.78E-03	1.79E-03	2.87E-01
5845	489041.96	3859760.67	0.06122	0.01072	0.01329	0.04827	0.00623	0.04485	0.01016	0.01072	2.94E-01	4.56E-04	3.19E-08	1.17E-03	1.34E-03	2.90E-03	1.66E-03	1.68E-03	3.00E-01
5846	488950.45	3859761.05	0.06279	0.0101	0.01223	0.03436	0.00545	0.04863	0.00952	0.0101	3.01E-01	4.30E-04	2.93E-08	8.32E-04	1.18E-03	3.15E-03	1.55E-03	1.58E-03	3.07E-01
5847	488858.94	3859761.43	0.06402	0.00957	0.01122	0.02774	0.00474	0.05387	0.00897	0.00957	3.07E-01	4.07E-04	2.69E-08	6.72E-04	1.02E-03	3.49E-03	1.46E-03	1.50E-03	3.13E-01
5848	488767.43	3859761.82	0.0654	0.00907	0.01026	0.02373	0.00416	0.06165	0.00846	0.00907	3.14E-01	3.86E-04	2.46E-08	5.75E-04	8.97E-04	3.99E-03	1.38E-03	1.42E-03	3.20E-01
5849	488675.92	3859762.2	0.06751	0.00864	0.00944	0.02106	0.00374	0.07346	0.00803	0.00864	3.24E-01	3.68E-04	2.26E-08	5.10E-04	8.07E-04	4.75E-03	1.31E-03	1.35E-03	3.30E-01
5850	488584.41	3859762.58	0.07115	0.00824	0.00873	0.01895	0.00343	0.09479	0.00763	0.00824	3.41E-01	3.51E-04	2.09E-08	4.59E-04	7.40E-04	6.13E-03	1.25E-03	1.29E-03	3.49E-01
5851	488492.9	3859762.96	0.07884	0.00789	0.00815	0.01723	0.0032	0.14519	0.00729	0.00789	3.78E-01	3.36E-04	1.95E-08	4.17E-04	6.90E-04	9.39E-03	1.19E-03	1.24E-03	3.89E-01
5852	488402.76	3859830.95	0.09283	0.00723	0.00739	0.01544	0.0029	0.34273	0.0067	0.00723	4.45E-01	3.08E-04	1.77E-08	3.74E-04	6.25E-04	2.22E-02	1.09E-03	1.13E-03	4.69E-01
5853	488404.14	3859898.55	0.09434	0.00692	0.0071	0.01503	0.00275	0.3399	0.00644	0.00692	4.53E-01	2.94E-04	1.70E-08	3.64E-04	5.93E-04	2.20E-02	1.05E-03	1.08E-03	4.76E-01
5854	488505.18	3859964.96	0.09559	0.0069	0.00704	0.01608	0.00273	0.13365	0.00647	0.0069	4.59E-01	2.94E-04	1.69E-08	3.90E-04	5.89E-04	8.65E-03	1.06E-03	1.08E-03	4.69E-01
5855	488604.84	3859963.76	0.09137	0.00715	0.00729	0.01776	0.00289	0.08636	0.00672	0.00715	4.38E-01	3.04E-04	1.75E-08	4.30E-04	6.23E-04	5.59E-03	1.10E-03	1.12E-03	4.45E-01
5856	488704.51	3859962.56	0.08911	0.00744	0.00754	0.01996	0.0031	0.06672	0.00701	0.00744	4.28E-01	3.17E-04	1.81E-08	4.84E-04	6.69E-04	4.32E-03	1.14E-03	1.17E-03	4.33E-01
5857	488804.18	3859961.37	0.08743	0.00777	0.00784	0.02317	0.00343	0.0558	0.00734	0.00777	4.20E-01	3.31E-04	1.88E-08	5.61E-04	7.40E-04	3.61E-03	1.20E-03	1.22E-03	4.25E-01
5858	488903.85	3859960.17	0.08579	0.00814	0.00827	0.02834	0.0039	0.04883	0.00771	0.00814	4.12E-01	3.46E-04	1.98E-08	6.87E-04	8.41E-04	3.16E-03	1.26E-03	1.28E-03	4.17E-01
5859	489003.52	3859958.97	0.08356	0.00853	0.00895	0.03853	0.00452	0.04403	0.00811	0.00853	4.01E-01	3.63E-04	2.15E-08	9.33E-04	9.75E-04	2.85E-03	1.32E-03	1.34E-03	4.06E-01
5860	489103.18	3859957.77	0.07884	0.00897	0.0099	0.06944	0.00526	0.04042	0.00857	0.00897	3.78E-01	3.82E-04	2.37E-08	1.68E-03	1.13E-03	2.62E-03	1.40E-03	1.41E-03	3.84E-01
5861	489201.48	3860046.59	0.08687	0.00867	0.00979	0.20669	0.00539	0.03681	0.00833	0.00867	4.17E-01	3.69E-04	2.35E-08	5.01E-03	1.16E-03	2.38E-03	1.36E-03	1.36E-03	4.26E-01
5862	489200.11	3860136.61	0.08916	0.00803	0.009	0.20514	0.00481	0.03626	0.00772	0.00803	4.28E-01	3.42E-04	2.16E-08	4.97E-03	1.04E-03	2.35E-03	1.26E-03	1.26E-03	4.37E-01
5863	489198.74	3860226.63	0.08876	0.00752	0.00842	0.28742	0.00429	0.03583	0.00724	0.00752	4.26E-01	3.20E-04	2.02E-08	6.96E-03	9.25E-04	2.32E-03	1.18E-03	1.18E-03	4.36E-01
5864	489197.38	3860316.66	0.08702	0.00708	0.0078	0.27854	0.00381	0.03549	0.00683	0.00708	4.18E-01	3.01E-04	1.87E-08	6.75E-03	8.22E-04	2.30E-03	1.11E-03	1.11E-03	4.28E-01
5865	489196.01	3860406.68	0.08402	0.00667	0.00712	0.26974	0.0034	0.03495	0.00645	0.00667	4.03E-01	2.84E-04	1.71E-08	6.53E-03	7.33E-04	2.26E-03	1.05E-03	1.04E-03	4.13E-01
5866	489194.64	3860496.7	0.07887	0.00625	0.00636	0.26507	0.00302	0.03365	0.00605	0.00625	3.78E-01	2.66E-04	1.53E-08	6.42E-03	6.51E-04	2.18E-03	9.88E-04	9.79E-04	3.88E-01
5867	489193.27	3860586.72	0.06868	0.00586	0.00569	0.25898	0.0027	0.03073	0.00569	0.00586	3.30E-01	2.49E-04	1.36E-08	6.27E-03	5.82E-04	1.99E-03	9.29E-04	9.18E-04	3.39E-01

5868	489092.02	3860678.13	0.03814	0.00536	0.00523	0.05955	0.00216	0.02953	0.00519	0.00536
5869	488992.13	3860679.53	0.03948	0.00521	0.00515	0.03252	0.002	0.03328	0.00504	0.00521
5870	488892.24	3860680.92	0.03993	0.00509	0.00484	0.02325	0.00193	0.03856	0.0049	0.00509
5871	488792.36	3860682.31	0.04025	0.00497	0.00446	0.01863	0.00188	0.0464	0.00476	0.00497
5872	488692.48	3860683.7	0.04073	0.00486	0.00418	0.01586	0.00185	0.05929	0.00464	0.00486
5873	488592.59	3860685.09	0.04194	0.00475	0.004	0.01395	0.0018	0.08264	0.00452	0.00475
5874	488492.71	3860686.49	0.0459	0.00466	0.0039	0.01257	0.00177	0.14033	0.00442	0.00466
5875	488299.07	3860762.18	0.02802	0.00438	0.00355	0.01053	0.00173	0.06674	0.00413	0.00438
5876	488205.32	3860764.09	0.02694	0.0043	0.00342	0.00992	0.00176	0.06483	0.00405	0.0043
5877	488111.56	3860766	0.02444	0.00421	0.00328	0.00939	0.00181	0.05853	0.00396	0.00421
5878	488017.81	3860767.91	0.02059	0.00413	0.00312	0.00891	0.00191	0.05096	0.00387	0.00413
5879	487924.06	3860769.81	0.0159	0.00404	0.00297	0.00848	0.00204	0.04213	0.00378	0.00404
5880	487830.31	3860771.72	0.01325	0.00397	0.00285	0.00809	0.0022	0.03238	0.00371	0.00397
5881	487736.55	3860773.63	0.01141	0.00389	0.00277	0.00774	0.00234	0.02581	0.00364	0.00389
5882	487642.8	3860775.54	0.01026	0.00383	0.00275	0.00746	0.00245	0.02164	0.00358	0.00383
5883	487549.48	3860684.71	0.01156	0.00389	0.00293	0.00742	0.00256	0.02377	0.00363	0.00389
5884	487549.91	3860591.97	0.01454	0.00402	0.0031	0.0076	0.00262	0.0325	0.00373	0.00402
5885	487550.34	3860499.23	0.01866	0.00416	0.00333	0.0078	0.00271	0.04615	0.00385	0.00416
5886	487550.76	3860406.49	0.02489	0.00433	0.00358	0.00803	0.0028	0.0647	0.004	0.00433
5887	487551.19	3860313.75	0.03541	0.00452	0.00377	0.00824	0.0029	0.08861	0.00416	0.00452
5888	487551.62	3860221.01	0.03978	0.00473	0.0039	0.00847	0.003	0.09074	0.00434	0.00473
5889	487552.05	3860128.27	0.0415	0.00497	0.00402	0.00873	0.00314	0.08938	0.00454	0.00497
5890	487552.48	3860035.53	0.0428	0.0052	0.00416	0.009	0.00328	0.08836	0.00473	0.0052
5891	487552.91	3859942.79	0.04397	0.0054	0.00433	0.00923	0.0034	0.08795	0.00488	0.0054
5892	487553.33	3859850.05	0.04523	0.00562	0.00459	0.00954	0.00358	0.08836	0.00504	0.00562
5893	487553.76	3859757.31	0.0468	0.00583	0.00474	0.00983	0.00376	0.08932	0.00519	0.00583
5894	487554.19	3859664.57	0.04989	0.00606	0.00477	0.01014	0.00395	0.09598	0.00534	0.00606
5895	487460.2	3859571.05	0.04999	0.00618	0.00479	0.00998	0.00424	0.10098	0.00536	0.00618
5896	487365.78	3859570.27	0.04214	0.00602	0.00495	0.00959	0.00433	0.08779	0.00522	0.00602
5897	487271.36	3859569.48	0.0337	0.00588	0.00505	0.00922	0.00447	0.07684	0.00508	0.00588
5898	487176.94	3859568.7	0.02735	0.00574	0.00497	0.00889	0.00469	0.0656	0.00494	0.00574
5899	487082.51	3859567.92	0.02325	0.00561	0.00472	0.00858	0.00499	0.05228	0.00483	0.00561
5900	486988.09	3859567.14	0.02041	0.00548	0.00455	0.00829	0.00532	0.04168	0.00471	0.00548
5901	486893.67	3859566.36	0.01823	0.00536	0.00462	0.00803	0.00563	0.03419	0.00461	0.00536
5902	486799.25	3859565.58	0.01654	0.00525	0.00479	0.00777	0.00591	0.02877	0.00451	0.00525
5903	486704.83	3859564.79	0.01525	0.00514	0.00497	0.00754	0.00614	0.0251	0.00442	0.00514
5904	486610.41	3859564.01	0.01423	0.00504	0.00515	0.00732	0.00633	0.02239	0.00434	0.00504
5905	486515.99	3859563.23	0.01336	0.00493	0.00524	0.00711	0.00645	0.02023	0.00425	0.00493
5906	486421.57	3859562.45	0.01259	0.00483	0.00518	0.00692	0.00653	0.01853	0.00417	0.00483
5907	486327.14	3859561.67	0.01189	0.00475	0.00494	0.00675	0.00658	0.01714	0.0041	0.00475
5908	486232.72	3859560.89	0.01124	0.00465	0.00456	0.00658	0.00659	0.01593	0.00402	0.00465
5909	486138.3	3859560.1	0.01066	0.00456	0.0042	0.00642	0.00659	0.0149	0.00395	0.00456
5910	486043.88	3859559.32	0.01012	0.00447	0.00394	0.00627	0.00658	0.01399	0.00387	0.00447
5911	485949.35	3859463.54	0.01025	0.00452	0.00398	0.00631	0.007	0.01403	0.00388	0.00452
5912	485949.24	3859368.55	0.01092	0.00466	0.00424	0.00648	0.0075	0.01501	0.00395	0.00466
5913	485949.12	3859273.55	0.01163	0.00481	0.00454	0.00665	0.00807	0.01607	0.00401	0.00481
5914	485949.01	3859178.56	0.01239	0.00496	0.00479	0.00678	0.00869	0.01725	0.00408	0.00496
5915	485948.9	3859083.56	0.0132	0.00515	0.00499	0.0069	0.00938	0.01851	0.00416	0.00515
5916	485948.79	3858988.56	0.014	0.00537	0.00519	0.007	0.01011	0.01978	0.00426	0.00537
5917	485948.67	3858893.57	0.01479	0.00562	0.00553	0.0071	0.01088	0.02113	0.00437	0.00562
5918	485948.56	3858798.57	0.01557	0.00591	0.00614	0.00725	0.01176	0.02254	0.00451	0.00591
5919	485948.45	3858703.58	0.01631	0.00622	0.00682	0.00739	0.01264	0.02406	0.00463	0.00622
5920	485948.34	3858608.58	0.0171	0.00658	0.00742	0.00754	0.01366	0.0259	0.00478	0.00658
5921	485948.22	3858513.59	0.01795	0.00698	0.00777	0.00769	0.01475	0.02821	0.00492	0.00698
5922	485948.11	3858418.59	0.01892	0.00743	0.00804	0.00782	0.01591	0.03119	0.00505	0.00743
5923	485948	3858323.59	0.02013	0.00797	0.0084	0.00799	0.01724	0.03503	0.00521	0.00797
5924	485947.89	3858228.6	0.02171	0.00857	0.00832	0.00816	0.01866	0.03977	0.00536	0.00857

1.83E-01	2.28E-04	1.25E-08	1.44E-03	4.66E-04	1.91E-03	8.47E-04	8.40E-04	1.87E-01
1.89E-01	2.22E-04	1.24E-08	7.88E-04	4.31E-04	2.15E-03	8.23E-04	8.16E-04	1.93E-01
1.92E-01	2.17E-04	1.16E-08	5.63E-04	4.16E-04	2.49E-03	8.00E-04	7.97E-04	1.95E-01
1.93E-01	2.11E-04	1.07E-08	4.51E-04	4.05E-04	3.00E-03	7.77E-04	7.79E-04	1.97E-01
1.95E-01	2.07E-04	1.00E-08	3.84E-04	3.99E-04	3.84E-03	7.57E-04	7.61E-04	2.00E-01
2.01E-01	2.02E-04	9.59E-09	3.38E-04	3.88E-04	5.35E-03	7.38E-04	7.44E-04	2.08E-01
2.20E-01	1.98E-04	9.35E-09	3.05E-04	3.82E-04	9.08E-03	7.21E-04	7.30E-04	2.30E-01
1.34E-01	1.86E-04	8.51E-09	2.55E-04	3.73E-04	4.32E-03	6.74E-04	6.86E-04	1.40E-01
1.29E-01	1.83E-04	8.20E-09	2.40E-04	3.80E-04	4.19E-03	6.61E-04	6.74E-04	1.34E-01
1.17E-01	1.79E-04	7.87E-09	2.27E-04	3.90E-04	3.79E-03	6.46E-04	6.60E-04	1.22E-01
9.88E-02	1.76E-04	7.48E-09	2.16E-04	4.12E-04	3.30E-03	6.32E-04	6.47E-04	1.03E-01
7.63E-02	1.72E-04	7.12E-09	2.05E-04	4.40E-04	2.73E-03	6.17E-04	6.33E-04	7.98E-02
6.36E-02	1.69E-04	6.84E-09	1.96E-04	4.74E-04	2.10E-03	6.06E-04	6.22E-04	6.65E-02
5.48E-02	1.66E-04	6.64E-09	1.88E-04	5.05E-04	1.67E-03	5.94E-04	6.09E-04	5.73E-02
4.92E-02	1.63E-04	6.60E-09	1.81E-04	5.28E-04	1.40E-03	5.84E-04	6.00E-04	5.15E-02
5.55E-02	1.66E-04	7.03E-09	1.80E-04	5.52E-04	1.54E-03	5.93E-04	6.09E-04	5.79E-02
6.98E-02	1.71E-04	7.43E-09	1.84E-04	5.65E-04	2.10E-03	6.09E-04	6.30E-04	7.28E-02
8.95E-02	1.77E-04	7.99E-09	1.89E-04	5.84E-04	2.99E-03	6.28E-04	6.52E-04	9.35E-02
1.19E-01	1.84E-04	8.59E-09	1.95E-04	6.04E-04	4.19E-03	6.53E-04	6.78E-04	1.25E-01
1.70E-01	1.92E-04	9.04E-09	2.00E-04	6.25E-04	5.73E-03	6.79E-04	7.08E-04	1.77E-01
1.91E-01	2.01E-04	9.35E-09	2.05E-04	6.47E-04	5.87E-03	7.08E-04	7.41E-04	1.98E-01
1.99E-01	2.11E-04	9.64E-09	2.12E-04	6.77E-04	5.78E-03	7.41E-04	7.79E-04	2.06E-01
2.05E-01	2.21E-04	9.98E-09	2.18E-04	7.07E-04	5.72E-03	7.72E-04	8.15E-04	2.12E-01
2.11E-01	2.30E-04	1.04E-08	2.24E-04	7.33E-04	5.69E-03	7.97E-04	8.46E-04	2.18E-01
2.17E-01	2.39E-04	1.10E-08	2.31E-04	7.72E-04	5.72E-03	8.23E-04	8.80E-04	2.24E-01
2.25E-01	2.48E-04	1.14E-08	2.38E-04	8.11E-04	5.78E-03	8.47E-04	9.13E-04	2.32E-01
2.39E-01	2.58E-04	1.14E-08	2.46E-04	8.52E-04	6.21E-03	8.72E-04	9.49E-04	2.47E-01
2.40E-01	2.63E-04	1.15E-08	2.42E-04	9.14E-04	6.53E-03	8.75E-04	9.68E-04	2.48E-01
2.02E-01	2.56E-04	1.19E-08	2.32E-04	9.34E-04	5.68E-03	8.52E-04	9.43E-04	2.09E-01
1.62E-01	2.50E-04	1.21E-08	2.23E-04	9.64E-04	4.97E-03	8.29E-04	9.21E-04	1.68E-01
1.31E-01	2.44E-04	1.19E-08	2.15E-04	1.01E-03	4.24E-03	8.06E-04	8.99E-04	1.37E-01
1.12E-01	2.39E-04	1.13E-08	2.08E-04	1.08E-03	3.38E-03	7.88E-04	8.79E-04	1.16E-01
9.79E-02	2.33E-04	1.09E-08	2.01E-04	1.15E-03	2.70E-03	7.69E-04	8.58E-04	1.02E-01
8.75E-02	2.28E-04	1.11E-08	1.95E-04	1.21E-03	2.21E-03	7.52E-04	8.40E-04	9.12E-02
7.94E-02	2.23E-04	1.15E-08	1.88E-04	1.27E-03	1.86E-03	7.36E-04	8.22E-04	8.28E-02
7.32E-02	2.19E-04	1.19E-08	1.83E-04	1.32E-03	1.62E-03	7.21E-04	8.05E-04	7.64E-02
6.83E-02	2.14E-04	1.24E-08	1.77E-04	1.37E-03	1.45E-03	7.08E-04	7.90E-04	7.14E-02
6.41E-02	2.10E-04	1.26E-08	1.72E-04	1.39E-03	1.31E-03	6.94E-04	7.72E-04	6.71E-02
6.04E-02	2.06E-04	1.24E-08	1.68E-04	1.41E-03	1.20E-03	6.81E-04	7.57E-04	6.33E-02
5.71E-02	2.02E-04	1.18E-08	1.64E-04	1.42E-03	1.11E-03	6.69E-04	7.44E-04	5.99E-02
5.39E-02	1.98E-04	1.09E-08	1.59E-04	1.42E-03	1.03E-03	6.56E-04	7.28E-04	5.67E-02
5.12E-02	1.94E-04	1.01E-08	1.56E-04	1.42E-03	9.64E-04	6.45E-04	7.14E-04	5.38E-02
4.86E-02	1.90E-04	9.45E-09	1.52E-04	1.42E-03	9.05E-04	6.32E-04	7.00E-04	5.12E-02
4.92E-02	1.92E-04	9.55E-09	1.53E-04	1.51E-03	9.08E-04	6.33E-04	7.08E-04	5.19E-02
5.24E-02	1.98E-04	1.02E-08	1.57E-04	1.62E-03	9.71E-04	6.45E-04	7.30E-04	5.53E-02
5.58E-02	2.05E-04	1.09E-08	1.61E-04	1.74E-03	1.04E-03	6.55E-04	7.53E-04	5.89E-02
5.95E-02	2.11E-04	1.15E-08	1.64E-04	1.87E-03	1.12E-03	6.66E-04	7.77E-04	6.27E-02
6.33E-02	2.19E-04	1.20E-08	1.67E-04	2.02E-03	1.20E-03	6.79E-04	8.07E-04	6.68E-02
6.72E-02	2.28E-04	1.24E-08	1.70E-04	2.18E-03	1.28E-03	6.95E-04	8.41E-04	7.09E-02
7.10E-02	2.39E-04	1.33E-08	1.72E-04	2.35E-03	1.37E-03	7.13E-04	8.80E-04	7.49E-02
7.47E-02	2.51E-04	1.47E-08	1.76E-04	2.54E-03	1.46E-03	7.36E-04	9.26E-04	7.90E-02
7.83E-02	2.65E-04	1.64E-08	1.79E-04	2.73E-03	1.56E-03	7.56E-04	9.74E-04	8.28E-02
8.21E-02	2.80E-04	1.78E-08	1.83E-04	2.95E-03	1.68E-03	7.80E-04	1.03E-03	8.69E-02
8.61E-02	2.97E-04	1.86E-08	1.86E-04	3.18E-03	1.83E-03	8.03E-04	1.09E-03	9.13E-02
9.08E-02	3.16E-04	1.93E-08	1.89E-04	3.43E-03	2.02E-03	8.24E-04	1.16E-03	9.64E-02
9.66E-02	3.39E-04	2.01E-08	1.94E-04	3.72E-03	2.27E-03	8.50E-04	1.25E-03	1.03E-01
1.04E-01	3.65E-04	2.00E-08	1.98E-04	4.02E-03	2.57E-03	8.75E-04	1.34E-03	1.11E-01

5925	485947.77	3858133.6	0.02396	0.00929	0.00796	0.00837	0.02021	0.04542	0.00552	0.00929	1.15E-01	3.95E-04	1.91E-08	2.03E-04	4.36E-03	2.94E-03	9.01E-04	1.46E-03	1.22E-01
5926	485947.66	3858038.61	0.02699	0.01026	0.00807	0.00865	0.02199	0.05231	0.00572	0.01026	1.30E-01	4.37E-04	1.94E-08	2.10E-04	4.74E-03	3.38E-03	9.34E-04	1.61E-03	1.38E-01
5927	485854.54	3857943.35	0.02833	0.01054	0.00797	0.00857	0.02238	0.04565	0.00571	0.01054	1.36E-01	4.48E-04	1.91E-08	2.08E-04	4.83E-03	2.95E-03	9.32E-04	1.65E-03	1.44E-01
5928	485761.52	3857943.09	0.02428	0.00985	0.00743	0.00827	0.02126	0.03654	0.00553	0.00985	1.17E-01	4.19E-04	1.78E-08	2.00E-04	4.59E-03	2.36E-03	9.03E-04	1.54E-03	1.23E-01
5929	485668.51	3857942.83	0.02153	0.00929	0.00703	0.00801	0.02028	0.03067	0.00537	0.00929	1.03E-01	3.95E-04	1.69E-08	1.94E-04	4.37E-03	1.98E-03	8.77E-04	1.46E-03	1.10E-01
5930	485575.5	3857942.56	0.01949	0.00876	0.00664	0.00775	0.01931	0.0265	0.00521	0.00876	9.35E-02	3.73E-04	1.59E-08	1.88E-04	4.16E-03	1.71E-03	8.50E-04	1.37E-03	9.94E-02
5931	485482.48	3857942.3	0.01792	0.00832	0.00626	0.00752	0.01847	0.02342	0.00507	0.00832	8.60E-02	3.54E-04	1.50E-08	1.82E-04	3.98E-03	1.52E-03	8.28E-04	1.30E-03	9.16E-02
5932	485389.47	3857942.04	0.01664	0.00792	0.00583	0.0073	0.01769	0.02104	0.00494	0.00792	7.99E-02	3.37E-04	1.40E-08	1.77E-04	3.82E-03	1.36E-03	8.06E-04	1.24E-03	8.51E-02
5933	485296.46	3857941.78	0.01557	0.00755	0.00542	0.0071	0.01696	0.01913	0.00482	0.00755	7.47E-02	3.21E-04	1.30E-08	1.72E-04	3.66E-03	1.24E-03	7.87E-04	1.18E-03	7.97E-02
5934	485203.45	3857941.52	0.01467	0.00724	0.00509	0.00692	0.01632	0.01757	0.00471	0.00724	7.04E-02	3.08E-04	1.22E-08	1.68E-04	3.52E-03	1.14E-03	7.69E-04	1.13E-03	7.52E-02
5935	485110.43	3857941.26	0.01389	0.00693	0.00487	0.00674	0.01567	0.01626	0.00459	0.00693	6.67E-02	2.95E-04	1.17E-08	1.63E-04	3.38E-03	1.05E-03	7.49E-04	1.09E-03	7.12E-02
5936	485017.42	3857940.99	0.01321	0.00664	0.00472	0.00657	0.01504	0.01516	0.00447	0.00664	6.34E-02	2.83E-04	1.13E-08	1.59E-04	3.24E-03	9.81E-04	7.30E-04	1.04E-03	6.77E-02
5937	484924.41	3857940.73	0.0126	0.00637	0.00462	0.00641	0.01445	0.01421	0.00436	0.00637	6.05E-02	2.71E-04	1.11E-08	1.55E-04	3.12E-03	9.19E-04	7.12E-04	9.98E-04	6.46E-02
5938	484831.39	3857940.47	0.01205	0.00612	0.00458	0.00627	0.01392	0.01338	0.00426	0.00612	5.78E-02	2.60E-04	1.10E-08	1.52E-04	3.00E-03	8.66E-04	6.95E-04	9.59E-04	6.18E-02
5939	484738.12	3857859.3	0.01214	0.00613	0.00482	0.00622	0.01369	0.01305	0.00424	0.00613	5.83E-02	2.61E-04	1.16E-08	1.51E-04	2.95E-03	8.44E-04	6.92E-04	9.60E-04	6.22E-02
5940	484737.85	3857778.4	0.01286	0.00641	0.00511	0.00631	0.01391	0.0135	0.00433	0.00641	6.17E-02	2.73E-04	1.23E-08	1.53E-04	3.00E-03	8.73E-04	7.07E-04	1.00E-03	6.57E-02
5941	484737.59	3857697.49	0.01374	0.00671	0.00542	0.00641	0.01402	0.01398	0.00443	0.00671	6.59E-02	2.86E-04	1.30E-08	1.55E-04	3.02E-03	9.05E-04	7.23E-04	1.05E-03	7.00E-02
5942	484737.32	3857616.59	0.01484	0.00703	0.00572	0.00652	0.01399	0.01453	0.00452	0.00703	7.12E-02	2.99E-04	1.37E-08	1.58E-04	3.02E-03	9.40E-04	7.38E-04	1.10E-03	7.53E-02
5943	484645.53	3857535.18	0.01554	0.00706	0.00613	0.00648	0.0132	0.01421	0.00451	0.00706	7.46E-02	3.00E-04	1.47E-08	1.57E-04	2.85E-03	9.19E-04	7.36E-04	1.11E-03	7.84E-02
5944	484553.99	3857534.67	0.01483	0.00675	0.00619	0.00633	0.01258	0.01338	0.0044	0.00675	7.12E-02	2.87E-04	1.48E-08	1.53E-04	2.71E-03	8.66E-04	7.18E-04	1.06E-03	7.48E-02
5945	484462.46	3857534.17	0.01419	0.00647	0.00603	0.0062	0.01203	0.01265	0.0043	0.00647	6.81E-02	2.75E-04	1.45E-08	1.50E-04	2.59E-03	8.18E-04	7.02E-04	1.01E-03	7.16E-02
5946	484370.93	3857533.66	0.01359	0.00622	0.00568	0.00607	0.0115	0.012	0.00421	0.00622	6.52E-02	2.65E-04	1.36E-08	1.47E-04	2.48E-03	7.76E-04	6.87E-04	9.74E-04	6.86E-02
5947	484279.4	3857533.16	0.01304	0.00599	0.00541	0.00595	0.01101	0.01143	0.00413	0.00599	6.26E-02	2.55E-04	1.30E-08	1.44E-04	2.37E-03	7.40E-04	6.74E-04	9.38E-04	6.58E-02
5948	484187.86	3857532.65	0.01251	0.00579	0.0054	0.00583	0.01054	0.01092	0.00405	0.00579	6.00E-02	2.46E-04	1.30E-08	1.41E-04	2.27E-03	7.07E-04	6.61E-04	9.07E-04	6.32E-02
5949	484096.33	3857532.15	0.01199	0.00561	0.00553	0.00572	0.01012	0.01046	0.00398	0.00561	5.75E-02	2.39E-04	1.33E-08	1.39E-04	2.18E-03	6.77E-04	6.50E-04	8.79E-04	6.05E-02
5950	484004.8	3857531.64	0.01153	0.00545	0.00567	0.0056	0.0097	0.01006	0.00391	0.00545	5.53E-02	2.32E-04	1.36E-08	1.36E-04	2.09E-03	6.51E-04	6.38E-04	8.54E-04	5.82E-02
5951	483913.27	3857531.14	0.01114	0.0053	0.00579	0.00549	0.00929	0.0097	0.00384	0.0053	5.35E-02	2.26E-04	1.39E-08	1.33E-04	2.00E-03	6.28E-04	6.27E-04	8.30E-04	5.62E-02
5952	483821.73	3857530.63	0.01084	0.00516	0.00585	0.00539	0.00893	0.00936	0.00378	0.00516	5.20E-02	2.20E-04	1.40E-08	1.31E-04	1.93E-03	6.06E-04	6.17E-04	8.08E-04	5.47E-02
5953	483729.61	3857450.11	0.01144	0.00518	0.006	0.00536	0.00832	0.00924	0.00378	0.00518	5.49E-02	2.20E-04	1.44E-08	1.30E-04	1.79E-03	5.98E-04	6.17E-04	8.11E-04	5.74E-02
5954	483729.03	3857370.08	0.01259	0.00535	0.0062	0.00543	0.00813	0.00942	0.00385	0.00535	6.04E-02	2.28E-04	1.49E-08	1.32E-04	1.75E-03	6.09E-04	6.28E-04	8.38E-04	6.29E-02
5955	483728.44	3857290.06	0.01427	0.00553	0.00631	0.00551	0.00799	0.00962	0.00391	0.00553	6.85E-02	2.35E-04	1.51E-08	1.33E-04	1.72E-03	6.22E-04	6.38E-04	8.66E-04	7.10E-02
5956	483727.86	3857210.03	0.01686	0.00571	0.00637	0.0056	0.00791	0.00986	0.00398	0.00571	8.09E-02	2.43E-04	1.53E-08	1.36E-04	1.71E-03	6.38E-04	6.50E-04	8.94E-04	8.34E-02
5957	483641.15	3857129.07	0.01833	0.00574	0.0062	0.00559	0.00767	0.00976	0.00399	0.00574	8.80E-02	2.44E-04	1.49E-08	1.35E-04	1.65E-03	6.31E-04	6.51E-04	8.99E-04	9.04E-02
5958	483555.03	3857128.14	0.0166	0.00557	0.00612	0.00549	0.00742	0.00943	0.00392	0.00557	7.97E-02	2.37E-04	1.47E-08	1.33E-04	1.60E-03	6.10E-04	6.40E-04	8.73E-04	8.20E-02
5959	483468.91	3857127.2	0.01533	0.00541	0.00608	0.00538	0.00718	0.00914	0.00385	0.00541	7.36E-02	2.30E-04	1.46E-08	1.30E-04	1.55E-03	5.91E-04	6.28E-04	8.47E-04	7.58E-02
5960	483382.78	3857126.26	0.01435	0.00527	0.00605	0.00529	0.00697	0.00885	0.0038	0.00527	6.89E-02	2.24E-04	1.45E-08	1.28E-04	1.50E-03	5.73E-04	6.20E-04	8.26E-04	7.11E-02
5961	483296.66	3857125.32	0.01352	0.00514	0.00594	0.0052	0.00676	0.00859	0.00374	0.00514	6.49E-02	2.19E-04	1.42E-08	1.26E-04	1.46E-03	5.56E-04	6.10E-04	8.05E-04	6.70E-02
5962	483210.54	3857124.39	0.01279	0.00501	0.00576	0.0051	0.00656	0.00834	0.00369	0.00501	6.14E-02	2.13E-04	1.38E-08	1.24E-04	1.41E-03	5.40E-04	6.02E-04	7.85E-04	6.35E-02
5963	483123.4	3857030.96	0.01316	0.00505	0.00571	0.0051	0.00647	0.00829	0.00371	0.00505	6.32E-02	2.15E-04	1.37E-08	1.24E-04	1.40E-03	5.36E-04	6.06E-04	7.91E-04	6.52E-02
5964	483122.38	3856938.46	0.01431	0.00522	0.00602	0.0052	0.00663	0.00849	0.00378	0.00522	6.87E-02	2.22E-04	1.44E-08	1.26E-04	1.43E-03	5.49E-04	6.17E-04	8.18E-04	7.08E-02
5965	483121.35	3856845.97	0.01559	0.00539	0.00649	0.00531	0.00682	0.00872	0.00386	0.00539	7.48E-02	2.29E-04	1.56E-08	1.29E-04	1.47E-03	5.64E-04	6.30E-04	8.44E-04	7.70E-02
5966	483120.33	3856753.47	0.01693	0.00556	0.007	0.00541	0.00701	0.009	0.00393	0.00556	8.12E-02	2.37E-04	1.68E-08	1.31E-04	1.51E-03	5.82E-04	6.41E-04	8.71E-04	8.35E-02
5967	483119.31	3856660.98	0.0183	0.00575	0.0074	0.0055	0.00719	0.00929	0.004	0.00575	8.78E-02	2.45E-04	1.77E-08	1.33E-04	1.55E-03	6.01E-04	6.53E-04	9.01E-04	9.01E-02
5968	483118.29	3856568.49	0.0197	0.00596	0.0077	0.0056	0.00737	0.0096	0.00407	0.00596	9.45E-02	2.54E-04	1.85E-08	1.36E-04	1.59E-03	6.21E-04	6.64E-04	9.34E-04	9.69E-02
5969	483117.26	3856475.99	0.02122	0.0062	0.00807	0.0057	0.00754	0.00994	0.00415	0.0062	1.02E-01	2.64E-04	1.94E-08	1.38E-04	1.63E-03	6.43E-04	6.77E-04	9.71E-04	1.04E-01
5970	483116.24	3856383.5	0.02309	0.00646	0.00847	0.00579	0.00768	0.01036	0.00423	0.00646	1.11E-01	2.75E-04	2.03E-08	1.40E-04	1.66E-03	6.70E-04	6.90E-04	1.01E-03	1.13E-01
5971	483115.22	3856291.01	0.02588	0.00674	0.0086	0.00589	0.0078	0.01088	0.00432	0.00674	1.24E-01	2.87E-04	2.06E-08	1.43E-04	1.68E-03	7.04E-04	7.05E-04	1.06E-03	1.27E-01
5972	483114.2	3856198.51	0.03087	0.00705	0.00845	0.00598	0.00785	0.01151	0.00442	0.00705	1.48E-01	3.00E-04	2.03E-08	1.45E-04	1.69E-03	7.45E-04	7.21E-04	1.10E-03	1.51E-01
5973	483113.17	3856106.02	0.04139	0.00744	0.00858	0.0061	0.00787	0.01222	0.00454	0.00744	1.99E-01	3.17E-04	2.06E-08	1.48E-04	1.70E-03	7.91E-04	7.41E-04	1.17E-03	2.01E-01
5974	483112.15	3856013.52	0.04657	0.00787	0.00918	0.00623	0.00777	0.01307	0.00467	0.00787	2.23E-01	3.35E-04	2.20E-08	1.51E-04	1.68E-03	8.46E-04	7.62E-04	1.23E-03	2.26E-01
5975	483029.25	3855920.47	0.0377	0.00797	0.00969	0.00623	0.00747	0.013	0.00473	0.00797	1.81E-01	3.39E-04	2.32E-08	1.51E-04	1.61E-03	8.41E-04	7.72E-04	1.25E-03	1.83E-01
5976	482947.37	3855919.91	0.03002	0.0076	0.00965	0.00609	0.00736	0.01213	0.00465	0.0076	1.44E-01	3.23E-04	2.31E-08	1.48E-04	1.59E-03	7.85E-04	7.59E-04	1.19E-03	1.46E-01
5977	482865.49	3855919.36	0.02521	0.00727	0.00971	0.00595	0.00724	0.0114	0.00457	0.00727	1.21E-01	3.09E-04	2.33E-08	1.44E-04	1.56E-03	7.38E-04	7.46E-04	1.14E-03	1.23E-01
5978	482783.61	3855918.8	0.02223	0.00699	0.00977	0.00584	0.00713	0.01078	0.0045	0.00699	1.07E-01	2.97E-04	2.34E-08	1.41E-04	1.54E-03	6.97E-04	7.35E-04	1.09E-03	1.09E-01
5979	482700.33	3855818.39	0.0233	0.00706	0.01048	0.00584	0.00684	0.01075	0.00456	0.00706	1.12E-01	3.00E-04	2.51E-08	1.41E-04	1.48E-03	6.96E-04	7.44E-04	1.11E-03	1.14E-01
5980	482698.92	3855718.54	0.03683	0.00747	0.01118	0.00599	0.0066	0.01132	0.00471	0.00747	1.77E-01	3.18E-04	2.68E-08	1.45E-04	1.42E-03	7.32E-04	7.69E-04	1.17E-03	1.79E-01
5981	482697.52	3855618.68	0.04247	0.00793	0.0116	0.00615	0.00632	0.01196	0.00488	0.00793	2.04E-01	3.37E-04	2.78E-08	1.49E-04	1.36E-03	7.74E-04	7.97E-04	1.24E-03	2.06E-01

5982	482696.11	3855518.83	0.0443	0.00849	0.01243	0.00634	0.00607	0.01267	0.00508	0.00849	2.13E-01	3.61E-04	2.98E-08	1.54E-04	1.31E-03	8.20E-04	8.29E-04	1.33E-03	2.15E-01
5983	482694.71	3855418.98	0.04513	0.00912	0.01364	0.00654	0.00585	0.01354	0.0053	0.00912	2.17E-01	3.88E-04	3.27E-08	1.58E-04	1.26E-03	8.76E-04	8.65E-04	1.43E-03	2.19E-01
5984	482693.3	3855319.13	0.04556	0.00987	0.01529	0.00678	0.00567	0.0146	0.00554	0.00987	2.19E-01	4.20E-04	3.67E-08	1.64E-04	1.22E-03	9.45E-04	9.04E-04	1.55E-03	2.21E-01
5985	482691.9	3855219.27	0.04579	0.01077	0.01905	0.00706	0.00552	0.01603	0.00583	0.01077	2.20E-01	4.58E-04	4.57E-08	1.71E-04	1.19E-03	1.04E-03	9.52E-04	1.69E-03	2.22E-01
5986	482690.49	3855119.42	0.0458	0.01185	0.02377	0.00734	0.00534	0.01809	0.00614	0.01185	2.20E-01	5.04E-04	5.70E-08	1.78E-04	1.15E-03	1.17E-03	1.00E-03	1.86E-03	2.22E-01
5987	482689.09	3855019.57	0.04578	0.01325	0.02763	0.00767	0.00514	0.02168	0.00652	0.01325	2.20E-01	5.64E-04	6.63E-08	1.86E-04	1.11E-03	1.40E-03	1.06E-03	2.08E-03	2.22E-01
5988	482687.68	3854919.71	0.04557	0.01492	0.03034	0.008	0.00493	0.03	0.00695	0.01492	2.19E-01	6.35E-04	7.28E-08	1.94E-04	1.06E-03	1.94E-03	1.13E-03	2.34E-03	2.21E-01
5989	482686.28	3854819.86	0.04539	0.01708	0.03319	0.00837	0.00472	0.07215	0.00748	0.01708	2.18E-01	7.27E-04	7.96E-08	2.03E-04	1.02E-03	4.67E-03	1.22E-03	2.68E-03	2.23E-01
5990	482684.88	3854720.01	0.04502	0.01965	0.03252	0.00878	0.00452	0.21787	0.00809	0.01965	2.16E-01	8.36E-04	7.80E-08	2.13E-04	9.75E-04	1.41E-02	1.32E-03	3.08E-03	2.30E-01
5991	482683.47	3854620.16	0.0447	0.02289	0.02646	0.00929	0.00438	0.2165	0.0089	0.02289	2.15E-01	9.74E-04	6.35E-08	2.25E-04	9.45E-04	1.40E-02	1.45E-03	3.59E-03	2.29E-01
5992	482682.07	3854520.31	0.04425	0.02649	0.02012	0.00986	0.00426	0.21849	0.00987	0.02649	2.12E-01	1.13E-03	4.83E-08	2.39E-04	9.19E-04	1.41E-02	1.61E-03	4.15E-03	2.26E-01
5993	482680.66	3854420.45	0.04368	0.03036	0.01528	0.01051	0.00418	0.22583	0.01111	0.03036	2.10E-01	1.29E-03	3.66E-08	2.55E-04	9.02E-04	1.46E-02	1.81E-03	4.76E-03	2.24E-01
5994	482679.26	3854320.6	0.04301	0.03378	0.0115	0.01112	0.0041	0.2313	0.01268	0.03378	2.06E-01	1.44E-03	2.76E-08	2.69E-04	8.84E-04	1.50E-02	2.07E-03	5.29E-03	2.21E-01
5995	482677.85	3854220.75	0.04241	0.03634	0.00889	0.01176	0.00402	0.24778	0.01489	0.03634	2.04E-01	1.55E-03	2.13E-08	2.85E-04	8.67E-04	1.60E-02	2.43E-03	5.69E-03	2.19E-01
5996	482676.45	3854120.9	0.04142	0.03749	0.00749	0.01211	0.0039	0.24064	0.01733	0.03749	1.99E-01	1.60E-03	1.80E-08	2.93E-04	8.41E-04	1.56E-02	2.83E-03	5.87E-03	2.14E-01
5997	482675.04	3854021.04	0.04034	0.03894	0.00645	0.01206	0.00376	0.28483	0.02034	0.03894	1.94E-01	1.66E-03	1.55E-08	2.92E-04	8.11E-04	1.84E-02	3.32E-03	6.10E-03	2.12E-01
5998	482673.64	3853921.19	0.03907	0.04041	0.00566	0.01162	0.00361	0.09682	0.02353	0.04041	1.87E-01	1.72E-03	1.36E-08	2.82E-04	7.79E-04	6.26E-03	3.84E-03	6.33E-03	1.94E-01
5999	482672.23	3853821.34	0.03768	0.04297	0.00501	0.0107	0.00346	0.03674	0.02723	0.04297	1.81E-01	1.83E-03	1.20E-08	2.59E-04	7.46E-04	2.38E-03	4.44E-03	6.73E-03	1.84E-01
6000	482670.83	3853721.48	0.03612	0.0459	0.0045	0.00923	0.00331	0.0212	0.03209	0.0459	1.73E-01	1.95E-03	1.08E-08	2.24E-04	7.14E-04	1.37E-03	5.24E-03	7.19E-03	1.76E-01
6001	482669.42	3853621.63	0.0344	0.04954	0.00412	0.00769	0.00318	0.01426	0.039	0.04954	1.65E-01	2.11E-03	9.88E-09	1.86E-04	6.86E-04	9.23E-04	6.37E-03	7.76E-03	1.68E-01
6002	482645.99	3853446.13	0.0304	0.05641	0.00359	0.00574	0.003	0.00889	0.05192	0.05641	1.46E-01	2.40E-03	8.61E-09	1.39E-04	6.47E-04	5.75E-04	8.47E-03	8.84E-03	1.49E-01
6003	482623.96	3853370.48	0.02854	0.05708	0.00338	0.00518	0.00293	0.00769	0.0549	0.05708	1.37E-01	2.43E-03	8.11E-09	1.25E-04	6.32E-04	4.98E-04	8.96E-03	8.94E-03	1.41E-01
6004	482601.94	3853294.84	0.02686	0.05978	0.0032	0.00475	0.00287	0.0068	0.05952	0.05978	1.29E-01	2.54E-03	7.67E-09	1.15E-04	6.19E-04	4.40E-04	9.72E-03	9.36E-03	1.33E-01
6005	482531.29	3853133.44	0.02436	0.06873	0.00279	0.00405	0.00275	0.00551	0.06884	0.06873	1.17E-01	2.92E-03	6.69E-09	9.81E-05	5.93E-04	3.57E-04	1.12E-02	1.08E-02	1.21E-01
6006	482482.68	3853047.69	0.02306	0.07388	0.00258	0.00376	0.0027	0.005	0.07446	0.07388	1.11E-01	3.14E-03	6.19E-09	9.11E-05	5.82E-04	3.24E-04	1.22E-02	1.16E-02	1.15E-01
6007	482383.08	3852897.4	0.02072	0.10916	0.00229	0.00333	0.00259	0.0043	0.11119	0.10916	9.94E-02	4.64E-03	5.49E-09	8.07E-05	5.59E-04	2.78E-04	1.81E-02	1.71E-02	1.06E-01
6008	482265.64	3852765.26	0.01923	0.12321	0.00207	0.00303	0.00251	0.00379	0.1256	0.12321	9.23E-02	5.24E-03	4.96E-09	7.34E-05	5.41E-04	2.45E-04	2.05E-02	1.93E-02	9.96E-02
6009	482199.16	3852697.66	0.01874	0.12202	0.00198	0.0029	0.00246	0.00356	0.1243	0.12202	8.99E-02	5.19E-03	4.75E-09	7.03E-05	5.31E-04	2.30E-04	2.03E-02	1.91E-02	9.71E-02
6010	482132.69	3852630.07	0.01835	0.11977	0.0019	0.00279	0.00242	0.00337	0.12198	0.11977	8.81E-02	5.10E-03	4.56E-09	6.76E-05	5.22E-04	2.18E-04	1.99E-02	1.88E-02	9.51E-02
6011	482066.21	3852562.48	0.01801	0.11866	0.00184	0.00268	0.00238	0.0032	0.12079	0.11866	8.64E-02	5.05E-03	4.41E-09	6.49E-05	5.13E-04	2.07E-04	1.97E-02	1.86E-02	9.34E-02
6012	481999.74	3852494.89	0.01772	0.11655	0.00178	0.00258	0.00234	0.00305	0.11861	0.11655	8.50E-02	4.96E-03	4.27E-09	6.25E-05	5.05E-04	1.97E-04	1.94E-02	1.83E-02	9.19E-02
6013	481933.26	3852427.29	0.01745	0.11319	0.00174	0.0025	0.00231	0.00293	0.11523	0.11319	8.37E-02	4.82E-03	4.17E-09	6.06E-05	4.98E-04	1.90E-04	1.88E-02	1.77E-02	9.04E-02
6014	481866.79	3852359.7	0.01716	0.11251	0.00169	0.00241	0.00227	0.00282	0.11451	0.11251	8.23E-02	4.79E-03	4.05E-09	5.84E-05	4.90E-04	1.82E-04	1.87E-02	1.76E-02	8.89E-02
6015	481800.31	3852292.11	0.01693	0.10959	0.00164	0.00234	0.00224	0.00272	0.11145	0.10959	8.12E-02	4.66E-03	3.93E-09	5.67E-05	4.83E-04	1.76E-04	1.82E-02	1.72E-02	8.76E-02
6016	481733.84	3852224.52	0.01672	0.10759	0.00159	0.00227	0.0022	0.00262	0.1094	0.10759	8.02E-02	4.58E-03	3.81E-09	5.50E-05	4.74E-04	1.70E-04	1.79E-02	1.69E-02	8.65E-02
6017	481667.36	3852156.92	0.01654	0.10752	0.00154	0.0022	0.00217	0.00253	0.10931	0.10752	7.94E-02	4.57E-03	3.69E-09	5.33E-05	4.68E-04	1.64E-04	1.78E-02	1.68E-02	8.56E-02
6018	481600.89	3852089.33	0.01637	0.10533	0.0015	0.00214	0.00214	0.00246	0.10705	0.10533	7.86E-02	4.48E-03	3.60E-09	5.18E-05	4.62E-04	1.59E-04	1.75E-02	1.65E-02	8.47E-02
6019	481534.41	3852021.74	0.01623	0.1046	0.00147	0.00209	0.00211	0.00239	0.10634	0.1046	7.79E-02	4.45E-03	3.53E-09	5.06E-05	4.55E-04	1.55E-04	1.74E-02	1.64E-02	8.40E-02
6020	481467.94	3851954.15	0.01611	0.10386	0.00143	0.00203	0.00208	0.00232	0.10554	0.10386	7.73E-02	4.42E-03	3.43E-09	4.92E-05	4.49E-04	1.50E-04	1.72E-02	1.63E-02	8.33E-02
6021	481401.46	3851886.55	0.01607	0.10355	0.00139	0.00198	0.00205	0.00226	0.10522	0.10355	7.71E-02	4.41E-03	3.33E-09	4.80E-05	4.42E-04	1.46E-04	1.72E-02	1.62E-02	8.31E-02
6022	481265.87	3851761.43	0.01591	0.09096	0.00131	0.00189	0.00199	0.00214	0.09223	0.09096	7.64E-02	3.87E-03	3.14E-09	4.58E-05	4.29E-04	1.38E-04	1.51E-02	1.42E-02	8.16E-02
6023	481196.74	3851703.89	0.01666	0.0851	0.00127	0.00186	0.00197	0.00209	0.08588	0.0851	7.99E-02	3.62E-03	3.05E-09	4.51E-05	4.25E-04	1.35E-04	1.40E-02	1.33E-02	8.49E-02
6024	481076.33	3851619.04	0.017	0.08273	0.00121	0.0018	0.00194	0.00202	0.0827	0.08273	8.16E-02	3.52E-03	2.90E-09	4.36E-05	4.18E-04	1.31E-04	1.35E-02	1.30E-02	8.62E-02
6025	480939.8	3851549.07	0.01708	0.08024	0.00114	0.00176	0.00191	0.00195	0.0797	0.08024	8.20E-02	3.41E-03	2.73E-09	4.26E-05	4.12E-04	1.26E-04	1.30E-02	1.26E-02	8.64E-02
6026	480854.56	3851506.41	0.01726	0.0806	0.00111	0.00174	0.0019	0.00191	0.08036	0.0806	8.28E-02	3.43E-03	2.66E-09	4.22E-05	4.10E-04	1.24E-04	1.31E-02	1.26E-02	8.73E-02
6027	480769.32	3851463.75	0.01768	0.08153	0.00108	0.00172	0.00188	0.00187	0.08167	0.08153	8.48E-02	3.47E-03	2.59E-09	4.17E-05	4.05E-04	1.21E-04	1.33E-02	1.28E-02	8.94E-02
6028	480684.08	3851421.08	0.01806	0.08253	0.00106	0.00171	0.00187	0.00185	0.08308	0.08253	8.67E-02	3.51E-03	2.54E-09	4.14E-05	4.03E-04	1.20E-04	1.36E-02	1.29E-02	9.14E-02
6029	480598.84	3851378.42	0.01813	0.08257	0.00104	0.00169	0.00185	0.00183	0.08355	0.08257	8.70E-02	3.51E-03	2.49E-09	4.09E-05	3.99E-04	1.18E-04	1.36E-02	1.29E-02	9.18E-02
6030	480435.71	3851275.01	0.01834	0.11171	0.001	0.00165	0.00181	0.00178	0.11469	0.11171	8.80E-02	4.75E-03	2.40E-09	4.00E-05	3.90E-04	1.15E-04	1.87E-02	1.75E-02	9.45E-02
6031	480347.85	3851232.36	0.01772	0.11013	0.00099	0.00164	0.00179	0.00177	0.11384	0.11013	8.50E-02	4.69E-03	2.37E-09	3.97E-05	3.86E-04	1.15E-04	1.86E-02	1.73E-02	9.16E-02
6032	480260	3851189.72	0.0176	0.10855	0.00097	0.00162	0.00178	0.00176	0.11298	0.10855	8.45E-02	4.62E-03	2.33E-09	3.92E-05	3.84E-04	1.14E-04	1.84E-02	1.70E-02	9.11E-02
6033	480172.15	3851147.07	0.01761	0.1072	0.00096	0.00161	0.00176	0.00175	0.11233	0.1072	8.45E-02	4.56E-03	2.30E-09	3.90E-05	3.80E-04	1.13E-04	1.83E-02	1.68E-02	9.11E-02
6034	480084.29	3851104.42	0.01774	0.1059	0.00095	0.00159	0.00174	0.00173	0.11158	0.1059	8.51E-02	4.51E-03	2.28E-09	3.85E-05	3.75E-04	1.12E-04	1.82E-02	1.66E-02	9.18E-02
6035	479996.44	3851061.77	0.0179	0.10493	0.00094	0.00158	0.00173	0.00172	0.1111	0.10493	8.59E-02	4.46E-03	2.25E-09	3.83E-05	3.73E-04	1.11E-04	1.81E-02	1.64E-02	9.26E-02
6036	479908.58	3851019.13	0.01811	0.10662	0.00092	0.00156	0.00171	0.0017	0.11354	0.10662	8.69E-02	4.54E-03	2.21E-09	3.78E-05	3.69E-04	1.10E-04	1.85E-02	1.67E-02	9.38E-02
6037	479820.73	3850976.48	0.01836	0.10546	0.00091	0.00154	0.00169	0.00168	0.11288	0.10546	8.81E-02	4.49E-03	2.18E-09	3.73E-05	3.64E-04	1.09E-04	1.84E-02	1.65E-02	9.50E-02
6038	479732.88	3850933.83	0.019	0.10448	0.00091	0.00152	0.00167	0.00166	0.11229	0.10448	9.12E-02	4.45E-03	2.18E-09	3.68E-05	3.60E-04	1.07E-04	1.83E-02	1.64E-02	9.81E-02

6039	479645.02	3850891.18	0.01968	0.10415	0.0009	0.00151	0.00166	0.00164	0.11208	0.10415	9.44E-02	4.43E-03	2.16E-09	3.66E-05	3.58E-04	1.06E-04	1.83E-02	1.63E-02	1.01E-01
6040	479557.17	3850848.54	0.02015	0.10338	0.00089	0.00149	0.00164	0.00161	0.11099	0.10338	9.67E-02	4.40E-03	2.13E-09	3.61E-05	3.54E-04	1.04E-04	1.81E-02	1.62E-02	1.04E-01
6041	479469.32	3850805.89	0.02049	0.10445	0.00089	0.00147	0.00162	0.00158	0.11192	0.10445	9.83E-02	4.44E-03	2.13E-09	3.56E-05	3.49E-04	1.02E-04	1.83E-02	1.64E-02	1.05E-01
6042	479381.46	3850763.24	0.02059	0.10355	0.00088	0.00145	0.00161	0.00155	0.11068	0.10355	9.88E-02	4.41E-03	2.11E-09	3.51E-05	3.47E-04	1.00E-04	1.81E-02	1.62E-02	1.06E-01
6043	479293.61	3850720.59	0.02052	0.10178	0.00088	0.00143	0.00159	0.00153	0.10861	0.10178	9.85E-02	4.33E-03	2.11E-09	3.46E-05	3.43E-04	9.90E-05	1.77E-02	1.59E-02	1.05E-01
6044	479205.76	3850677.95	0.02041	0.10052	0.00088	0.00142	0.00158	0.0015	0.10712	0.10052	9.79E-02	4.28E-03	2.11E-09	3.44E-05	3.41E-04	9.71E-05	1.75E-02	1.57E-02	1.04E-01
6045	479117.9	3850635.3	0.02029	0.0973	0.00088	0.0014	0.00156	0.00148	0.10332	0.0973	9.74E-02	4.14E-03	2.11E-09	3.39E-05	3.36E-04	9.58E-05	1.69E-02	1.52E-02	1.04E-01
6046	479030.05	3850592.65	0.02002	0.09454	0.00088	0.00138	0.00155	0.00145	0.09998	0.09454	9.61E-02	4.02E-03	2.11E-09	3.34E-05	3.34E-04	9.38E-05	1.63E-02	1.48E-02	1.02E-01
6047	478942.19	3850550	0.01946	0.09619	0.00088	0.00136	0.00154	0.00142	0.10157	0.09619	9.34E-02	4.09E-03	2.11E-09	3.29E-05	3.32E-04	9.19E-05	1.66E-02	1.51E-02	9.94E-02
6048	478854.34	3850507.36	0.01898	0.10276	0.00087	0.00133	0.00152	0.00138	0.10836	0.10276	9.11E-02	4.37E-03	2.09E-09	3.22E-05	3.28E-04	8.93E-05	1.77E-02	1.61E-02	9.75E-02
6049	478766.49	3850464.71	0.01854	0.10318	0.00086	0.00131	0.00147	0.00136	0.10848	0.10318	8.90E-02	4.39E-03	2.06E-09	3.17E-05	3.17E-04	8.80E-05	1.77E-02	1.62E-02	9.53E-02
6050	478678.63	3850422.06	0.01822	0.10303	0.00086	0.00129	0.00146	0.00133	0.1081	0.10303	8.74E-02	4.38E-03	2.06E-09	3.13E-05	3.15E-04	8.61E-05	1.76E-02	1.61E-02	9.38E-02
6051	478590.78	3850379.41	0.01801	0.10324	0.00086	0.00128	0.00144	0.00131	0.10807	0.10324	8.64E-02	4.39E-03	2.06E-09	3.10E-05	3.11E-04	8.48E-05	1.76E-02	1.62E-02	9.27E-02
6052	478502.93	3850336.77	0.01781	0.103	0.00086	0.00126	0.00143	0.0013	0.10757	0.103	8.55E-02	4.38E-03	2.06E-09	3.05E-05	3.08E-04	8.41E-05	1.76E-02	1.61E-02	9.17E-02
6053	478415.07	3850294.12	0.01757	0.10204	0.00086	0.00124	0.00141	0.00128	0.10627	0.10204	8.43E-02	4.34E-03	2.06E-09	3.00E-05	3.04E-04	8.28E-05	1.73E-02	1.60E-02	9.04E-02
6054	478327.22	3850251.47	0.01727	0.10264	0.00086	0.00122	0.0014	0.00127	0.1067	0.10264	8.29E-02	4.37E-03	2.06E-09	2.96E-05	3.02E-04	8.22E-05	1.74E-02	1.61E-02	8.90E-02
6055	478239.36	3850208.82	0.01706	0.10275	0.00085	0.00121	0.00139	0.00125	0.10659	0.10275	8.19E-02	4.37E-03	2.04E-09	2.93E-05	3.00E-04	8.09E-05	1.74E-02	1.61E-02	8.80E-02
6056	478151.51	3850166.18	0.01697	0.10259	0.00085	0.00119	0.00138	0.00124	0.10617	0.10259	8.14E-02	4.37E-03	2.04E-09	2.88E-05	2.98E-04	8.02E-05	1.73E-02	1.61E-02	8.75E-02
6057	478063.66	3850123.53	0.01693	0.10216	0.00085	0.00118	0.00137	0.00123	0.10547	0.10216	8.12E-02	4.35E-03	2.04E-09	2.86E-05	2.95E-04	7.96E-05	1.72E-02	1.60E-02	8.72E-02
6058	477975.8	3850080.88	0.01666	0.09969	0.00086	0.00118	0.00137	0.00124	0.10273	0.09969	7.99E-02	4.24E-03	2.06E-09	2.86E-05	2.95E-04	8.02E-05	1.68E-02	1.56E-02	8.57E-02
6059	477887.95	3850038.23	0.01658	0.09921	0.00086	0.00117	0.00136	0.00123	0.10206	0.09921	7.96E-02	4.22E-03	2.06E-09	2.83E-05	2.93E-04	7.96E-05	1.67E-02	1.55E-02	8.53E-02
6060	477800.1	3849995.59	0.01647	0.09775	0.00086	0.00117	0.00136	0.00123	0.10035	0.09775	7.90E-02	4.16E-03	2.06E-09	2.83E-05	2.93E-04	7.96E-05	1.64E-02	1.53E-02	8.47E-02
6061	477712.24	3849952.94	0.01641	0.09812	0.00086	0.00116	0.00135	0.00123	0.1005	0.09812	7.88E-02	4.17E-03	2.06E-09	2.81E-05	2.91E-04	7.96E-05	1.64E-02	1.54E-02	8.44E-02
6062	477624.39	3849910.29	0.01612	0.09804	0.00086	0.00115	0.00135	0.00122	0.10021	0.09804	7.74E-02	4.17E-03	2.06E-09	2.79E-05	2.91E-04	7.89E-05	1.64E-02	1.54E-02	8.29E-02
6063	477536.54	3849867.64	0.01571	0.0967	0.00085	0.00114	0.00136	0.00122	0.09863	0.0967	7.54E-02	4.11E-03	2.04E-09	2.76E-05	2.93E-04	7.89E-05	1.61E-02	1.51E-02	8.09E-02
6064	477448.68	3849825	0.01551	0.09631	0.00085	0.00113	0.00133	0.00121	0.09804	0.09631	7.44E-02	4.10E-03	2.04E-09	2.74E-05	2.87E-04	7.83E-05	1.60E-02	1.51E-02	7.98E-02
6065	477360.83	3849782.35	0.01537	0.09543	0.00084	0.00112	0.00132	0.00121	0.09696	0.09543	7.38E-02	4.06E-03	2.01E-09	2.71E-05	2.85E-04	7.83E-05	1.58E-02	1.49E-02	7.91E-02
6066	477272.97	3849739.7	0.01538	0.09403	0.00084	0.00111	0.00132	0.0012	0.0953	0.09403	7.38E-02	4.00E-03	2.01E-09	2.69E-05	2.85E-04	7.76E-05	1.56E-02	1.47E-02	7.90E-02
6067	477185.12	3849697.05	0.0154	0.09365	0.00083	0.00111	0.00131	0.0012	0.09472	0.09365	7.39E-02	3.98E-03	1.99E-09	2.69E-05	2.83E-04	7.76E-05	1.55E-02	1.47E-02	7.91E-02
6068	477097.27	3849654.41	0.01547	0.09477	0.00082	0.0011	0.0013	0.00119	0.09566	0.09477	7.42E-02	4.03E-03	1.97E-09	2.66E-05	2.80E-04	7.70E-05	1.56E-02	1.48E-02	7.94E-02
6069	477009.41	3849611.76	0.01557	0.09781	0.00081	0.00109	0.00129	0.00118	0.09852	0.09781	7.47E-02	4.16E-03	1.94E-09	2.64E-05	2.78E-04	7.63E-05	1.61E-02	1.53E-02	8.00E-02
6070	476841.49	3849530.08	0.01586	0.0986	0.0008	0.00107	0.00128	0.00117	0.09894	0.0986	7.61E-02	4.20E-03	1.92E-09	2.59E-05	2.76E-04	7.57E-05	1.61E-02	1.54E-02	8.14E-02
6071	476761.41	3849491.05	0.01601	0.09854	0.00079	0.00106	0.00127	0.00117	0.09873	0.09854	7.68E-02	4.19E-03	1.89E-09	2.57E-05	2.74E-04	7.57E-05	1.61E-02	1.54E-02	8.21E-02
6072	476681.34	3849452.02	0.01628	0.10104	0.00078	0.00106	0.00127	0.00116	0.10109	0.10104	7.81E-02	4.30E-03	1.87E-09	2.57E-05	2.74E-04	7.51E-05	1.65E-02	1.58E-02	8.35E-02
6073	476601.26	3849412.99	0.01679	0.10609	0.00077	0.00105	0.00126	0.00116	0.10602	0.10609	8.06E-02	4.51E-03	1.85E-09	2.54E-05	2.72E-04	7.51E-05	1.73E-02	1.66E-02	8.61E-02
6074	476456.32	3849353.67	0.0174	0.12213	0.00074	0.00103	0.00125	0.00114	0.12221	0.12213	8.35E-02	5.20E-03	1.77E-09	2.50E-05	2.70E-04	7.38E-05	1.99E-02	1.91E-02	8.99E-02
6075	476305.43	3849318.83	0.01689	0.11671	0.00073	0.00103	0.00126	0.00115	0.11746	0.11671	8.11E-02	4.97E-03	1.75E-09	2.50E-05	2.72E-04	7.44E-05	1.92E-02	1.83E-02	8.73E-02
6076	476129.36	3849289.99	0.01641	0.10593	0.0007	0.00104	0.00127	0.00115	0.10679	0.10593	7.88E-02	4.51E-03	1.68E-09	2.52E-05	2.74E-04	7.44E-05	1.74E-02	1.66E-02	8.45E-02
6077	476039.31	3849275.68	0.01615	0.10217	0.00069	0.00104	0.00128	0.00115	0.10287	0.10217	7.75E-02	4.35E-03	1.65E-09	2.52E-05	2.76E-04	7.44E-05	1.68E-02	1.60E-02	8.30E-02
6078	475949.26	3849261.38	0.01611	0.10354	0.00068	0.00103	0.00129	0.00114	0.10409	0.10354	7.73E-02	4.41E-03	1.63E-09	2.50E-05	2.78E-04	7.38E-05	1.70E-02	1.62E-02	8.29E-02
6079	475859.21	3849247.08	0.01589	0.09811	0.00067	0.00104	0.00129	0.00114	0.09849	0.09811	7.63E-02	4.17E-03	1.61E-09	2.52E-05	2.78E-04	7.38E-05	1.61E-02	1.54E-02	8.15E-02
6080	475769.16	3849232.77	0.01585	0.09404	0.00066	0.00103	0.0013	0.00114	0.0943	0.09404	7.61E-02	4.00E-03	1.58E-09	2.50E-05	2.80E-04	7.38E-05	1.54E-02	1.47E-02	8.11E-02
6081	475585.22	3849219.27	0.01239	0.05476	0.00062	0.00101	0.00131	0.0011	0.05507	0.05476	5.95E-02	2.33E-03	1.49E-09	2.45E-05	2.83E-04	7.12E-05	8.99E-03	8.58E-03	6.26E-02
6082	475444.49	3849150.34	0.01925	0.10805	0.00063	0.00102	0.0013	0.0011	0.10854	0.10805	9.24E-02	4.60E-03	1.51E-09	2.47E-05	2.80E-04	7.12E-05	1.77E-02	1.69E-02	9.81E-02
6083	475334.17	3849118.71	0.0153	0.08993	0.00063	0.00102	0.0013	0.0011	0.09028	0.08993	7.34E-02	3.83E-03	1.51E-09	2.47E-05	2.80E-04	7.12E-05	1.47E-02	1.41E-02	7.83E-02
6084	475230.46	3849060.57	0.01646	0.10578	0.00062	0.00101	0.00129	0.00109	0.10622	0.10578	7.90E-02	4.50E-03	1.49E-09	2.45E-05	2.78E-04	7.05E-05	1.73E-02	1.66E-02	8.46E-02
6085	475110.86	3848960.97	0.01615	0.12204	0.00061	0.00099	0.00127	0.00107	0.12319	0.12204	7.75E-02	5.19E-03	1.46E-09	2.40E-05	2.74E-04	6.92E-05	2.01E-02	1.91E-02	8.41E-02
6086	475037.79	3848896.28	0.0156	0.12794	0.0006	0.00098	0.00126	0.00106	0.12915	0.12794	7.49E-02	5.44E-03	1.44E-09	2.37E-05	2.72E-04	6.86E-05	2.11E-02	2.00E-02	8.17E-02
6087	474964.72	3848831.59	0.01545	0.13322	0.0006	0.00097	0.00125	0.00105	0.13444	0.13322	7.41E-02	5.67E-03	1.44E-09	2.35E-05	2.70E-04	6.79E-05	2.19E-02	2.09E-02	8.12E-02
6088	474891.65	3848766.9	0.01475	0.13642	0.00059	0.00096	0.00124	0.00104	0.13764	0.13642	7.08E-02	5.80E-03	1.42E-09	2.33E-05	2.67E-04	6.73E-05	2.25E-02	2.14E-02	7.80E-02
6089	474818.58	3848702.22	0.01421	0.14186	0.00058	0.00095	0.00122	0.00103	0.14308	0.14186	6.82E-02	6.04E-03	1.39E-09	2.30E-05	2.63E-04	6.66E-05	2.34E-02	2.22E-02	7.57E-02
6090	474745.51	3848637.53	0.01245	0.13704	0.00058	0.00095	0.00121	0.00103	0.13817	0.13704	5.97E-02	5.83E-03	1.39E-09	2.30E-05	2.61E-04	6.66E-05	2.26E-02	2.15E-02	6.70E-02
6091	474672.44	3848572.84	0.01178	0.14037	0.00058	0.00094	0.0012	0.00102	0.14148	0.14037	5.65E-02	5.97E-03	1.39E-09	2.28E-05	2.59E-04	6.60E-05	2.31E-02	2.20E-02	6.40E-02
6092	474599.37	3848508.15	0.01158	0.14912	0.00057	0.00093	0.00119	0.00101	0.15025	0.14912	5.56E-02	6.34E-03	1.37E-09	2.25E-05	2.57E-04	6.53E-05	2.45E-02	2.34E-02	6.34E-02
6093	474526.3	3848443.46	0.01111	0.15357	0.00057	0.00092	0.00118	0.001	0.1547	0.15357	5.33E-02	6.53E-03	1.37E-09	2.23E-05	2.54E-04	6.47E-05	2.53E-02	2.41E-02	6.14E-02

			PM2.5								Rates (g/s):	7.30E+00	4.13E-02	2.33E-06	3.69E-02	3.28E-01	9.84E-02	1.58E-01	1.52E-01	
			24 hr									Unmitigated								
			Concentration [ug/m^3] at 1 g/s									Concentration [ug/m^3]								
	X	Y	Equipmer	Rail Haulii	Rail Idling	Off-Site	Solar	33kV	S Main	Remove Ex Main		Equipment	Rail Hauling	Rail Idling	Off-Site	Solar	33kV	S Main	Remove Ex M	Total
1	485973.61	3854936.51	0.21492	0.02961	0.10364	0.1521	0.03611	0.09788	0.08579	0.0296		1.56907658	0.001222064	2.411E-07	0.005605989	0.011848	0.009634725	0.013583	0.00449929	1.606472
2	486023.61	3854936.51	0.211	0.02891	0.10089	0.14413	0.03732	0.09335	0.083	0.0289		1.54045766	0.001193174	2.347E-07	0.005312236	0.012245	0.009188818	0.013142	0.00439292	1.577146
3	486073.61	3854936.51	0.20441	0.02848	0.09836	0.13947	0.03776	0.0905	0.08052	0.0285		1.49234573	0.001175427	2.288E-07	0.005140481	0.01239	0.008908281	0.012749	0.00432758	1.528381
4	486123.61	3854936.51	0.1988	0.02712	0.09464	0.13017	0.03771	0.08632	0.07536	0.0271		1.45138854	0.001119297	2.202E-07	0.004797709	0.012373	0.008496827	0.011932	0.00412093	1.485987
5	486173.61	3854936.51	0.19573	0.02715	0.0932	0.12736	0.03852	0.08501	0.07402	0.0272		1.42897525	0.001120535	2.168E-07	0.00469414	0.012639	0.008367878	0.01172	0.00412549	1.463391
6	486223.61	3854936.51	0.19164	0.02647	0.09274	0.12127	0.03958	0.08147	0.07066	0.0265		1.39911519	0.00109247	2.157E-07	0.004469679	0.012987	0.008019422	0.011188	0.00402216	1.432849
7	486273.61	3854936.51	0.1882	0.02607	0.09451	0.11667	0.03966	0.07921	0.06815	0.0261		1.37400062	0.001075961	2.199E-07	0.004300136	0.013013	0.007796961	0.01079	0.00396138	1.407016
8	486323.61	3854936.51	0.18522	0.02583	0.09499	0.11264	0.04018	0.07726	0.06592	0.0258		1.35224439	0.001066056	2.21E-07	0.004151601	0.013184	0.007605014	0.010437	0.00392491	1.384763
9	485973.61	3854986.51	0.22403	0.03062	0.1014	0.16171	0.03881	0.10574	0.09151	0.0306		1.63558639	0.001263749	2.359E-07	0.005960187	0.012734	0.010408416	0.014489	0.00465276	1.675789
10	486023.61	3854986.51	0.21997	0.03004	0.0989	0.15522	0.03819	0.10132	0.08932	0.03		1.60594536	0.001239811	2.301E-07	0.005720983	0.012531	0.009973338	0.014142	0.00456463	1.644988
11	486073.61	3854986.51	0.21587	0.02934	0.09681	0.14928	0.03878	0.09679	0.08537	0.0293		1.57601229	0.001210921	2.252E-07	0.005502051	0.012724	0.009527431	0.013517	0.00445826	1.614036
12	486123.61	3854986.51	0.2118	0.02866	0.09545	0.14308	0.03922	0.09303	0.08243	0.0287		1.54629825	0.001182856	2.221E-07	0.005273536	0.012869	0.009157319	0.013051	0.00435494	1.583477
13	486173.61	3854986.51	0.205	0.02835	0.0947	0.13803	0.03932	0.09086	0.08015	0.0284		1.49665317	0.001170061	2.203E-07	0.005087407	0.012901	0.008943717	0.01269	0.00430783	1.533138
14	486223.61	3854986.51	0.20029	0.02755	0.09557	0.13086	0.0404	0.08706	0.07635	0.0276		1.46226665	0.001137044	2.223E-07	0.004823141	0.013256	0.008569668	0.012089	0.00418627	1.497955
15	486273.61	3854986.51	0.19574	0.02678	0.09344	0.12354	0.04081	0.08274	0.07282	0.0268		1.42904825	0.001105264	2.174E-07	0.004553345	0.01339	0.008144433	0.01153	0.00406927	1.463702
16	486323.61	3854986.51	0.19329	0.02693	0.09206	0.12145	0.04171	0.08229	0.07205	0.0269		1.41116142	0.001111455	2.142E-07	0.004476314	0.013686	0.008100138	0.011408	0.00409206	1.445851
17	485973.61	3855036.51	0.23316	0.03192	0.10291	0.17209	0.03992	0.11433	0.09898	0.0319		1.70224221	0.001317402	2.394E-07	0.006342765	0.013098	0.011253965	0.015672	0.0048503	1.745076
18	486023.61	3855036.51	0.22881	0.03114	0.10212	0.16442	0.04048	0.10967	0.09475	0.0311		1.67048396	0.00128521	2.376E-07	0.00606007	0.013282	0.010795262	0.015002	0.00473178	1.712177
19	486073.61	3855036.51	0.2244	0.03013	0.09925	0.15524	0.03988	0.10357	0.08979	0.0301		1.63828767	0.001243525	2.309E-07	0.00572172	0.013085	0.010194814	0.014217	0.0045783	1.678171
20	486123.61	3855036.51	0.2202	0.02948	0.10093	0.14858	0.04066	0.09872	0.08627	0.0295		1.60762453	0.001216699	2.348E-07	0.005476251	0.013341	0.009717409	0.013659	0.00447954	1.646556
21	486173.61	3855036.51	0.21629	0.0291	0.09963	0.14494	0.0409	0.09569	0.08423	0.0291		1.57907861	0.001201015	2.318E-07	0.005342091	0.01342	0.009419154	0.013336	0.00442179	1.617375
22	486223.61	3855036.51	0.20917	0.02839	0.09713	0.13629	0.04114	0.09073	0.08032	0.0284		1.52709729	0.001171712	2.26E-07	0.005023275	0.013499	0.008930921	0.012717	0.00431391	1.564125
23	486273.61	3855036.51	0.2058	0.02827	0.09307	0.13383	0.04192	0.08912	0.07874	0.0283		1.50249377	0.00116676	2.165E-07	0.004932607	0.013755	0.008772442	0.012467	0.00429567	1.539292
24	486323.61	3855036.51	0.20164	0.0277	0.09076	0.12831	0.04207	0.08531	0.07583	0.0277		1.47212266	0.001143235	2.111E-07	0.004729155	0.013804	0.008397409	0.012006	0.00420906	1.507994
25	485973.61	3855086.51	0.24193	0.03308	0.10652	0.18111	0.04061	0.1187	0.10304	0.0331		1.76626977	0.001365278	2.478E-07	0.006675218	0.013325	0.011684121	0.016315	0.00502656	1.810607
26	486023.61	3855086.51	0.23758	0.0325	0.104	0.17569	0.0422	0.11453	0.09927	0.0325		1.73451152	0.00134134	2.419E-07	0.006475451	0.013846	0.011273651	0.015718	0.00493843	1.778228
27	486073.61	3855086.51	0.233	0.03134	0.10242	0.1656	0.04314	0.10907	0.09367	0.0313		1.70107409	0.001293465	2.383E-07	0.006103562	0.014155	0.010736201	0.014831	0.00476217	1.743431
28	486123.61	3855086.51	0.2287	0.03082	0.10012	0.15972	0.04192	0.10573	0.09022	0.0308		1.66968088	0.001272003	2.329E-07	0.005886841	0.013755	0.010407432	0.014285	0.00468315	1.710603
29	486173.61	3855086.51	0.2243	0.0299	0.09672	0.15113	0.04262	0.10131	0.08648	0.0299		1.63755759	0.001234033	2.25E-07	0.005570237	0.013984	0.009972353	0.013693	0.00454336	1.677468
30	486223.61	3855086.51	0.22028	0.02923	0.09395	0.14602	0.04285	0.09774	0.08361	0.0292		1.60820859	0.001206381	2.186E-07	0.005381897	0.01406	0.009620944	0.013238	0.00444155	1.647274
31	485973.61	3855136.51	0.24717	0.03387	0.10304	0.19103	0.04204	0.12449	0.10364	0.0339		1.80452568	0.001397883	2.397E-07	0.007040842	0.013794	0.012254054	0.01641	0.0051466	1.850275
32	486023.61	3855136.51	0.24414	0.0335	0.10442	0.18135	0.04272	0.1202	0.09992	0.0335		1.78240442	0.001382612	2.429E-07	0.006684063	0.014017	0.011831772	0.015821	0.00509038	1.82705
33	486073.61	3855136.51	0.24103	0.03289	0.10334	0.17131	0.04465	0.11519	0.09642	0.0329		1.75969909	0.001357436	2.404E-07	0.006314017	0.01465	0.011338618	0.015266	0.00499769	1.803628
34	486123.61	3855136.51	0.23719	0.03211	0.09967	0.16384	0.04535	0.11111	0.09339	0.0321		1.73166422	0.001325244	2.319E-07	0.006038693	0.01488	0.010937007	0.014787	0.00487917	1.774753
35	486173.61	3855136.51	0.23277	0.03124	0.09719	0.15751	0.04465	0.10657	0.09007	0.0312		1.69939492	0.001289337	2.261E-07	0.005805386	0.01465	0.010490116	0.014261	0.00474697	1.741144
36	486223.61	3855136.51	0.22839	0.03054	0.09487	0.15153	0.04467	0.10307	0.08806	0.0305		1.66741765	0.001260447	2.207E-07	0.00558498	0.014657	0.010145597	0.013943	0.0046406	1.708368
37	485973.61	3855186.51	0.25172	0.0356	0.10995	0.20043	0.04446	0.12791	0.10608	0.0356		1.83774408	0.001469283	2.558E-07	0.0073873	0.014588	0.012590699	0.016796	0.00540948	1.885166
38	486023.61	3855186.51	0.24921	0.03454	0.10735	0.19111	0.04416	0.12252	0.10114	0.0345		1.81941921	0.001425535	2.497E-07	0.00704379	0.014489	0.012060139	0.016014	0.00524841	1.865204
39	486073.61	3855186.51	0.24666	0.03359	0.10341	0.17905	0.0451	0.117	0.09669	0.0336		1.8008023	0.001386327	2.406E-07	0.006599292	0.014798	0.011516783	0.015309	0.00510406	1.845308
40	486123.61	3855186.51	0.2437	0.03312	0.09989	0.1684	0.04769	0.11166	0.09284	0.0331		1.77919209	0.001366929	2.324E-07	0.006206762	0.015648	0.010991146	0.0147	0.00503264	1.823072
41	486173.61	3855186.51	0.2397	0.03239	0.09729	0.16044	0.04737	0.10828	0.08961	0.0324		1.7499891	0.0013368	2.263E-07	0.005913378	0.015543	0.010658439	0.014188	0.00492171	1.792707
42	486223.61	3855186.51	0.23568	0.03164	0.09479	0.15357	0.04752	0.1048	0.08688	0.0316		1.7206401	0.001305846	2.205E-07	0.005660169	0.015592	0.010315888	0.013756	0.00480775	1.762462
43	486273.61	3855186.51	0.23172	0.03082	0.09323	0.1474	0.04681	0.1012	0.08419	0.0308		1.69172914	0.001272003	2.169E-07	0.00543276	0.015359	0.009961526	0.01333	0.00468315	1.732401
44	486323.61	3855186.51	0.2281	0.03099	0.09207	0.14758	0.04695	0.10221	0.08425	0.031		1.66530043	0.001279019	2.142E-07	0.005439394	0.015405	0.010060944	0.013339	0.00470898	1.706115
45	485973.61	3855236.51	0.25534	0.03686	0.10813	0.21139	0.04615	0.13606	0.11077	0.0369		1.86417279	0.001521286	2.516E-07	0.007791255	0.015142	0.013392936	0.017538	0.00560094	1.913958
46	486023.61	3855236.51	0.25305	0.03582	0.10257	0.19665	0.04639	0.12834	0.10536	0.0358		1.84745408	0.001478363	2.386E-07	0.007247979	0.015221	0.012633026	0.016682	0.00544291	1.895274
47	486073.61	3855236.51	0.25171	0.03463	0.10165	0.18559	0.04674	0.11935	0.09994	0.0346		1.83767107	0.001429249	2.365E-07	0.006840338	0.015336	0.011748103	0.015824	0.00526209	1.883587
48	486123.61	3855236.51	0.24918	0.03379	0.09951	0.17658	0.04777	0.11388	0.09497	0.0338		1.81920018	0.001394581	2.315E-07	0.006508254	0.015674	0.011209669	0.015037	0.00513445	1.863889
49	486173.61	3855236.51	0.2458	0.03321	0.09678	0.1685	0.05094	0.10878	0.09074	0.0332		1.79452366	0.001370643	2.251E-07	0.006210448	0.016714	0.010707656	0.014367	0.00504632	1.838847
50	486223.61	3855236.51	0.2421	0.03285	0.09581	0.16071	0.0499	0.10491	0.08772	0.0329		1.76751089	0.001355785	2.229E-07	0.00592333	0.016373	0.010326716	0.013889	0.00499161	1.810387
51	486273.61	3855236.51	0.23779	0.03149	0.09466	0.14995	0.04973	0.09946	0.08282	0.0315		1.73604467	0.001299655	2.202E-07	0.005526746	0.016317	0.00979025	0.013113	0.00478496	1.777307
52	486323.61	3855236.51	0.23427	0.03229	0.09494	0.15184	0.04942	0.10279	0.08478	0.0323		1.71034604	0.001332673	2.209E-07	0.005596406	0.016215	0.010118036	0.013423	0.00490652	1.752126
53	485973.61	3855286.51	0.26121	0.03853	0.10178	0.22384	0.04761	0.14114	0.11462	0.0385		1.90702817	0.00159021	2.368E-07	0.008250128	0.015621	0.013892981	0.018148	0.0058547	1.958677
54	486023.61	3855286.51	0.25921	0.03712	0.10096	0.2087	0.04865	0.13234	0.10802	0.0371		1.89242668	0.001532017	2.349E-07	0.007692109	0.015963	0.013026762	0.017103	0.00564045	1.942103
55	486073.61	3855286.51	0.25666	0.03596	0.10118	0.19418	0.04851	0.12591	0.10257	0.036		1.87380977	0.001484141	2.354E-07	0.007156942	0.015917	0.012393831	0.01624	0.00546418	1.921538

56	486123.61	3855286.51	0.25401	0.03508	0.10351	0.18371	0.04942	0.11858	0.09714	0.0351	1.85446279	0.001447822	2.408E-07	0.006771046	0.016215	0.011672309	0.01538	0.00533046	1.900619
57	486173.61	3855286.51	0.25107	0.03413	0.10264	0.17397	0.05071	0.11264	0.09377	0.0341	1.8329986	0.001408613	2.388E-07	0.006412057	0.016639	0.011087611	0.014847	0.00518611	1.878206
58	486223.61	3855286.51	0.24825	0.03341	0.10217	0.16779	0.0535	0.10854	0.09093	0.0334	1.81241049	0.001378898	2.377E-07	0.006184279	0.017554	0.010684031	0.014397	0.00507671	1.857532
59	486123.61	3855336.51	0.2605	0.03615	0.1098	0.19151	0.05088	0.12298	0.10031	0.0362	1.90184464	0.001491983	2.554E-07	0.007058533	0.016694	0.012105419	0.015882	0.00549305	1.949584
60	486173.61	3855336.51	0.25732	0.03533	0.10987	0.18195	0.05243	0.11874	0.09603	0.0353	1.87862827	0.00145814	2.556E-07	0.006706178	0.017203	0.011688059	0.015205	0.00536845	1.92552
61	486223.61	3855336.51	0.25394	0.03477	0.10812	0.17309	0.05575	0.11368	0.0916	0.0348	1.85395174	0.001435028	2.515E-07	0.006379622	0.018292	0.011189982	0.014503	0.00528336	1.900469
62	486123.61	3855386.51	0.26476	0.03749	0.12208	0.20252	0.05428	0.12863	0.10394	0.0375	1.93294582	0.001547287	2.84E-07	0.007464331	0.01781	0.012661571	0.016457	0.00569667	1.98319
63	486173.61	3855386.51	0.26186	0.03667	0.12358	0.18988	0.05372	0.1233	0.10058	0.0367	1.91177366	0.001513444	2.875E-07	0.006998456	0.017626	0.012136918	0.015925	0.00557207	1.960402
64	486223.61	3855386.51	0.25928	0.03579	0.12479	0.18093	0.05572	0.11894	0.09614	0.0358	1.89293773	0.001477125	2.903E-07	0.006668583	0.018282	0.011707746	0.015222	0.00543835	1.940858
65	486533.18	3855443.15	0.24275	0.0339	0.13454	0.1515	0.06079	0.10359	0.0796	0.0339	1.77225638	0.001399121	3.13E-07	0.005583874	0.019946	0.010196783	0.012603	0.00515116	1.816835
66	486583.18	3855443.15	0.23906	0.03336	0.12967	0.14657	0.06121	0.10076	0.07726	0.0334	1.74531662	0.001376834	3.017E-07	0.005402168	0.020084	0.009918215	0.012233	0.00506911	1.789262
67	486633.18	3855443.15	0.23491	0.03243	0.1242	0.1405	0.06326	0.09697	0.07493	0.0324	1.71501852	0.001338451	2.889E-07	0.005178444	0.020756	0.00954515	0.011864	0.00492779	1.758773
68	486683.18	3855443.15	0.23126	0.03148	0.12368	0.13662	0.06656	0.09463	0.0735	0.0315	1.68837079	0.001299243	2.877E-07	0.005035438	0.021839	0.009314814	0.011637	0.00478344	1.732714
69	486533.18	3855493.15	0.24839	0.03512	0.13826	0.15758	0.06354	0.10639	0.08253	0.0351	1.81343259	0.001449473	3.216E-07	0.005807966	0.020848	0.010472398	0.013067	0.00533654	1.859742
70	486583.18	3855493.15	0.24449	0.03449	0.13325	0.1522	0.06603	0.10346	0.07976	0.0345	1.78495968	0.001423471	3.1E-07	0.005609674	0.021665	0.010183986	0.012629	0.00524081	1.83123
71	486633.18	3855493.15	0.24068	0.03382	0.12733	0.14514	0.06516	0.1004	0.07676	0.0338	1.75714383	0.001395819	2.962E-07	0.005349462	0.02138	0.009882778	0.012154	0.00513901	1.802167
72	486683.18	3855493.15	0.23669	0.03297	0.12631	0.14084	0.06785	0.09791	0.07495	0.033	1.72801385	0.001360738	2.938E-07	0.005190976	0.022263	0.009637678	0.011867	0.00500985	1.773323
73	486533.18	3855543.15	0.25248	0.03578	0.14866	0.16177	0.07062	0.10844	0.0831	0.0358	1.84329265	0.001476712	3.458E-07	0.005962398	0.023171	0.010674188	0.013157	0.00543683	1.892298
74	486583.18	3855543.15	0.24969	0.03528	0.14659	0.15434	0.0681	0.10432	0.08039	0.0353	1.82292356	0.001456076	3.41E-07	0.005688549	0.022345	0.01026864	0.012728	0.00536086	1.870049
75	486633.18	3855543.15	0.24624	0.03482	0.14528	0.14997	0.06947	0.10177	0.07875	0.0348	1.79773599	0.001437091	3.38E-07	0.005527483	0.022794	0.010017633	0.012469	0.00529096	1.84469
76	486683.18	3855543.15	0.24261	0.03373	0.13473	0.1438	0.071	0.09864	0.07556	0.0337	1.77123427	0.001392105	3.134E-07	0.005300073	0.023296	0.009709534	0.011964	0.00512533	1.817771
77	486533.18	3855593.15	0.25734	0.03681	0.15866	0.16592	0.07871	0.11199	0.08485	0.0368	1.87877428	0.001519222	3.691E-07	0.006115356	0.025826	0.011023629	0.013434	0.00559334	1.9311
78	486583.18	3855593.15	0.25409	0.03601	0.15649	0.15829	0.0743	0.10764	0.08148	0.036	1.85504685	0.001486205	3.641E-07	0.005834135	0.024379	0.010595441	0.012901	0.00547178	1.904771
79	486633.18	3855593.15	0.25057	0.03528	0.15282	0.15249	0.07445	0.10355	0.07933	0.0353	1.82934822	0.001456076	3.555E-07	0.005620363	0.024428	0.010192846	0.01256	0.00536086	1.878246
80	486683.18	3855593.15	0.24703	0.03513	0.14944	0.14845	0.07424	0.10035	0.07772	0.0351	1.80350358	0.001449885	3.477E-07	0.00547146	0.024359	0.009877857	0.012306	0.00533806	1.85163
81	486533.18	3855643.15	0.26183	0.03774	0.1715	0.1742	0.08224	0.11573	0.08768	0.0377	1.91155464	0.001557605	3.99E-07	0.006420534	0.026984	0.011391772	0.013883	0.00573466	1.966057
82	486583.18	3855643.15	0.25868	0.03699	0.16928	0.16583	0.08377	0.11124	0.08422	0.037	1.88855728	0.001526651	3.938E-07	0.006112039	0.027486	0.010949803	0.013335	0.00562069	1.942346
83	486633.18	3855643.15	0.25568	0.0363	0.16485	0.15915	0.07805	0.10691	0.08158	0.0363	1.86665504	0.001498174	3.835E-07	0.005865832	0.025609	0.010523584	0.012917	0.00551585	1.917553
84	486683.18	3855643.15	0.25251	0.0356	0.16074	0.15391	0.07935	0.10352	0.07937	0.0356	1.84351167	0.001469283	3.739E-07	0.0056727	0.026036	0.010189893	0.012567	0.00540948	1.894037
85	486533.18	3855693.15	0.26646	0.03874	0.17419	0.18681	0.08582	0.12016	0.0915	0.0387	1.94535709	0.001598877	4.052E-07	0.006885304	0.028159	0.011827835	0.014487	0.00588661	2.002429
86	486583.18	3855693.15	0.26434	0.03779	0.17132	0.17589	0.09011	0.11378	0.08705	0.0378	1.92987951	0.001559669	3.986E-07	0.006482823	0.029566	0.011199826	0.013783	0.00574225	1.986729
87	486633.18	3855693.15	0.26203	0.03665	0.16805	0.16525	0.08968	0.10831	0.08312	0.0367	1.91301478	0.001512619	3.909E-07	0.006090662	0.029425	0.010661392	0.013161	0.00556903	1.968297
88	486683.18	3855693.15	0.25812	0.03642	0.16152	0.16176	0.08503	0.10674	0.08159	0.0364	1.88446886	0.001503126	3.758E-07	0.00596203	0.027899	0.01050685	0.012918	0.00553408	1.937725
89	486733.18	3855693.15	0.25378	0.03655	0.15836	0.16046	0.08671	0.10714	0.08069	0.0366	1.85278362	0.001508492	3.684E-07	0.005914115	0.028451	0.010546224	0.012776	0.00555383	1.906425
90	486783.18	3855693.15	0.24932	0.03681	0.15694	0.15987	0.09069	0.10812	0.08073	0.0368	1.82022229	0.001519222	3.651E-07	0.00589237	0.029757	0.010642689	0.012782	0.00559334	1.875222
91	486533.18	3855743.15	0.27142	0.03949	0.17891	0.19958	0.09114	0.1232	0.09565	0.0395	1.9815688	0.001629831	4.162E-07	0.007355971	0.029904	0.012127075	0.015144	0.00600057	2.04173
92	486583.18	3855743.15	0.27035	0.03815	0.17187	0.18525	0.09236	0.11692	0.08929	0.0382	1.973757	0.001574527	3.998E-07	0.006827807	0.030305	0.011508909	0.014137	0.00579696	2.032314
93	486633.18	3855743.15	0.26755	0.03737	0.16835	0.17429	0.09685	0.11282	0.08532	0.0374	1.95331491	0.001542335	3.916E-07	0.006423851	0.031778	0.011105329	0.013509	0.00567843	2.011995
94	486683.18	3855743.15	0.26306	0.03732	0.16737	0.17205	0.0947	0.1129	0.0845	0.0373	1.92053455	0.001540271	3.894E-07	0.006341291	0.031072	0.011113204	0.013379	0.00567084	1.97831
95	486733.18	3855743.15	0.25929	0.03702	0.16588	0.16719	0.09242	0.11146	0.08305	0.037	1.89301074	0.00152789	3.859E-07	0.006162165	0.030324	0.010971459	0.013149	0.00562525	1.949521
96	486783.18	3855743.15	0.25408	0.03743	0.1648	0.16758	0.09528	0.11195	0.08401	0.0374	1.85497384	0.001544811	3.834E-07	0.006176539	0.031263	0.011019692	0.013301	0.00568755	1.912592
97	486533.18	3855793.15	0.27536	0.0409	0.18889	0.21334	0.09658	0.12818	0.0982	0.0409	2.01033374	0.001688025	4.394E-07	0.007863127	0.031689	0.012617276	0.015548	0.00621482	2.073525
98	486583.18	3855793.15	0.27581	0.03836	0.17791	0.19195	0.0969	0.11885	0.09135	0.0384	2.01361908	0.001583194	4.139E-07	0.00707475	0.031794	0.011698886	0.014464	0.00582887	2.074405
99	486633.18	3855793.15	0.27105	0.03824	0.17223	0.1884	0.1004	0.11768	0.08993	0.0382	1.97886752	0.001578241	4.007E-07	0.006943907	0.032943	0.011583719	0.014239	0.00581063	2.040345
100	486683.18	3855793.15	0.2663	0.03818	0.16753	0.18625	0.10258	0.11677	0.08971	0.0382	1.94418898	0.001575765	3.897E-07	0.006864664	0.033658	0.011494144	0.014204	0.00580152	2.006184
101	486733.18	3855793.15	0.26219	0.03798	0.16775	0.1793	0.09928	0.11535	0.08808	0.038	1.9141829	0.001567511	3.903E-07	0.006608506	0.032575	0.011354367	0.013946	0.00577112	1.974464
102	486783.18	3855793.15	0.25793	0.03789	0.16459	0.17585	0.10132	0.1143	0.08714	0.0379	1.88308172	0.001563796	3.829E-07	0.006481348	0.033244	0.011251012	0.013797	0.00575745	1.943662
103	486533.18	3855843.15	0.28102	0.04181	0.19656	0.22409	0.10148	0.13306	0.10048	0.0418	2.05165597	0.001725582	4.573E-07	0.008259342	0.033297	0.013097634	0.015909	0.0063531	2.117592
104	486583.18	3855843.15	0.27975	0.04001	0.18721	0.20621	0.10246	0.12556	0.09412	0.04	2.04238402	0.001651293	4.355E-07	0.007600335	0.033619	0.012359379	0.014902	0.00607959	2.106437
105	486633.18	3855843.15	0.27471	0.03915	0.18069	0.20158	0.10506	0.12291	0.09353	0.0392	2.00558826	0.001615799	4.204E-07	0.007429686	0.034472	0.012098529	0.014809	0.00594891	2.070064
106	486683.18	3855843.15	0.26982	0.03895	0.17519	0.19727	0.10877	0.12165	0.09343	0.039	1.96988761	0.001607545	4.076E-07	0.007270831	0.035689	0.011974502	0.014793	0.00591852	2.035304
107	486733.18	3855843.15	0.26516	0.0389	0.16874	0.19293	0.1082	0.12037	0.09319	0.0389	1.93586612	0.001605481	3.926E-07	0.00711087	0.035502	0.011848506	0.014755	0.00591092	2.000777
108	486783.18	3855843.15	0.26095	0.03878	0.16353	0.1873	0.1098	0.11877	0.09249	0.0388	1.90512998	0.001600528	3.804E-07	0.006903364	0.036027	0.011691012	0.014644	0.00589269	1.970104
109	486533.18	3855893.15	0.28973	0.04162	0.1977	0.22931	0.10673	0.13475	0.10101	0.0416	2.11524548	0.001717741	4.599E-07	0.008451737	0.03502	0.013263988	0.015993	0.00632423	2.183368
110	486583.18	3855893.15	0.28346	0.04136	0.19799	0.22342	0.10866	0.13243	0.09924	0.0414	2.0694698	0.00170701	4.606E-07	0.008234648	0.035653	0.013035621	0.015713	0.00628472	2.137528
111	486633.18	3855893.15	0.27843	0.0411	0.19461	0.21712	0.10934	0.12972	0.09762	0.0411	2.03274704	0.001696279	4.527E-07	0.008002447	0.035876	0.012768865	0.015456	0.00624521	2.100302
112	486683.18	3855893.15	0.27323	0.04034	0.18769	0.213	0.11469	0.12786	0.0969	0.0403	1.99478315	0.001664913	4.366E-07	0.007850596	0.037631	0.012585777	0.015342	0.00612973	2.063729
113	486733.18	3855893.15	0.26842	0.0403	0.18663	0.20698	0.11557	0.12617	0.09641	0.0403	1.95966656	0.001663262	4.342E-07	0.007628715	0.03792	0.012419424	0.015265	0.00612365	2.02844
114	486783.18	3855893.15	0.26345	0.04039	0.18535	0.20243	0.11526	0.12495	0.09635	0.0404	1.92338185	0.001666976	4.312E-07	0.007461014	0.037818	0.012299334	0.015255	0.00613733	1.991746

115	486533.18	3855943.15	0.29741	0.04238	0.19859	0.24482	0.11312	0.14186	0.10616	0.0424	2.17131522	0.001749108	4.62E-07	0.009023393	0.037116	0.013963854	0.016809	0.00643971	2.243537
116	486583.18	3855943.15	0.28896	0.04239	0.19807	0.24277	0.11759	0.14101	0.10508	0.0424	2.10962391	0.00174952	4.608E-07	0.008947836	0.038583	0.013880185	0.016638	0.00644123	2.182981
117	486633.18	3855943.15	0.28291	0.04203	0.1932	0.23303	0.11527	0.13665	0.10138	0.042	2.06545439	0.001734662	4.495E-07	0.008588846	0.037822	0.013451012	0.016052	0.00638653	2.136716
118	486683.18	3855943.15	0.27609	0.04213	0.1889	0.23015	0.11958	0.13532	0.1006	0.0421	2.01566329	0.00173879	4.395E-07	0.008482697	0.039236	0.013320095	0.015928	0.00640172	2.087968
119	486733.18	3855943.15	0.27129	0.04176	0.18294	0.22426	0.12345	0.13317	0.09924	0.0418	1.9806197	0.001723519	4.256E-07	0.008265608	0.040506	0.013108462	0.015713	0.0063455	2.053591
120	486783.18	3855943.15	0.26572	0.04189	0.18023	0.22122	0.12273	0.133	0.09941	0.0419	1.93995454	0.001728884	4.193E-07	0.008153562	0.040269	0.013091728	0.01574	0.00636526	2.012573
121	486533.18	3855993.15	0.30283	0.04417	0.19208	0.26673	0.12257	0.15016	0.11286	0.0442	2.21088527	0.001822984	4.469E-07	0.009830936	0.040217	0.014780856	0.017869	0.00671171	2.288695
122	486583.18	3855993.15	0.29521	0.04362	0.18862	0.25752	0.12172	0.14791	0.11105	0.0436	2.15525358	0.001800285	4.388E-07	0.009491481	0.039938	0.01455938	0.017583	0.00662813	2.231998
123	486633.18	3855993.15	0.28823	0.04328	0.18584	0.25092	0.12755	0.14557	0.10825	0.0433	2.10429436	0.001786252	4.323E-07	0.009248223	0.041851	0.014329044	0.017139	0.00657647	2.182072
124	486683.18	3855993.15	0.2807	0.04344	0.18152	0.24711	0.12611	0.14443	0.10605	0.0434	2.04931973	0.001792856	4.223E-07	0.009107797	0.041378	0.014216829	0.016791	0.00660078	2.126006
125	486733.18	3855993.15	0.27419	0.04319	0.17757	0.24058	0.13125	0.14194	0.1047	0.0432	2.00179187	0.001782538	4.131E-07	0.008867119	0.043065	0.013971729	0.016577	0.00656279	2.079493
126	486783.18	3855993.15	0.2678	0.04274	0.17287	0.23501	0.13218	0.14022	0.10429	0.0427	1.9551401	0.001763965	4.022E-07	0.008661824	0.04337	0.013802422	0.016512	0.00649441	2.032757
127	486533.18	3856043.15	0.31054	0.04525	0.18981	0.30118	0.12692	0.16115	0.12069	0.0453	2.26717403	0.001867558	4.416E-07	0.011100668	0.041644	0.015862647	0.019109	0.00687581	2.349883
128	486583.18	3856043.15	0.29932	0.04516	0.18417	0.28811	0.13249	0.15925	0.11968	0.0452	2.18525965	0.001863844	4.285E-07	0.010618944	0.043472	0.015675622	0.018949	0.00686214	2.268977
129	486633.18	3856043.15	0.29187	0.04474	0.17918	0.27464	0.1379	0.15524	0.11708	0.0447	2.13086908	0.001846509	4.168E-07	0.010122477	0.045247	0.015280901	0.018537	0.00679832	2.215105
130	486683.18	3856043.15	0.28427	0.04478	0.17421	0.26654	0.13893	0.1538	0.11617	0.0448	2.0753834	0.00184816	4.053E-07	0.009823933	0.045585	0.015139156	0.018393	0.0068044	2.159369
131	486733.18	3856043.15	0.27833	0.04447	0.16918	0.25722	0.1387	0.15025	0.11203	0.0445	2.03201696	0.001835366	3.936E-07	0.009480423	0.045509	0.014789716	0.017738	0.00675729	2.114613
132	486783.18	3856043.15	0.2715	0.04452	0.16542	0.25062	0.14354	0.14945	0.11124	0.0445	1.98215286	0.00183743	3.848E-07	0.009237165	0.047097	0.014710968	0.017613	0.00676489	2.065884
133	486533.18	3856093.15	0.3188	0.04672	0.18832	0.33962	0.13325	0.17636	0.13135	0.0467	2.3274782	0.001928228	4.381E-07	0.012517461	0.043721	0.017359828	0.020797	0.00709918	2.416703
134	486583.18	3856093.15	0.30898	0.04628	0.18208	0.32192	0.13965	0.17251	0.12862	0.0463	2.25578487	0.001910068	4.236E-07	0.011865088	0.045821	0.016980857	0.020365	0.00703232	2.345695
135	486633.18	3856093.15	0.29972	0.04604	0.17579	0.30665	0.14212	0.16686	0.12553	0.046	2.18817995	0.001900163	4.09E-07	0.011302278	0.046631	0.016424705	0.019875	0.00699586	2.277319
136	486683.18	3856093.15	0.2898	0.04604	0.17128	0.29123	0.15226	0.16499	0.12364	0.046	2.11575653	0.001900163	3.985E-07	0.010733939	0.049959	0.016240633	0.019576	0.00699586	2.207171
137	486733.18	3856093.15	0.28304	0.04558	0.16644	0.27859	0.15344	0.16203	0.12106	0.0456	2.06640348	0.001881178	3.872E-07	0.010268063	0.050346	0.015949269	0.019168	0.00692596	2.15709
138	486783.18	3856093.15	0.27625	0.04555	0.16318	0.26698	0.15439	0.15939	0.11853	0.0456	2.01683141	0.00187994	3.796E-07	0.00984015	0.050657	0.015689403	0.018767	0.0069214	2.106744
139	486533.18	3856143.15	0.32779	0.04782	0.17717	0.3944	0.15027	0.19752	0.1398	0.0478	2.39311192	0.001973627	4.122E-07	0.014536502	0.049306	0.019442693	0.022135	0.00726633	2.493239
140	486583.18	3856143.15	0.31857	0.04727	0.17305	0.36557	0.14755	0.19049	0.13543	0.0473	2.32579903	0.001950928	4.026E-07	0.013473907	0.048413	0.018750702	0.021443	0.00718276	2.422648
141	486633.18	3856143.15	0.30901	0.04737	0.17388	0.34244	0.15404	0.18604	0.13324	0.0474	2.25600389	0.001955055	4.045E-07	0.012621399	0.050543	0.01831267	0.021096	0.00719795	2.353334
142	486683.18	3856143.15	0.30029	0.0472	0.1668	0.32465	0.15853	0.1783	0.13085	0.0472	2.19234137	0.001948039	3.88E-07	0.011965708	0.052016	0.017550791	0.020718	0.00717212	2.289368
143	486733.18	3856143.15	0.29085	0.04702	0.1607	0.30592	0.1649	0.17254	0.1286	0.047	2.12342232	0.00194061	3.739E-07	0.011275372	0.054106	0.01698381	0.020361	0.00714477	2.220945
144	486783.18	3856143.15	0.2814	0.04691	0.15786	0.29222	0.16957	0.17085	0.12832	0.0469	2.05443026	0.00193607	3.672E-07	0.010770427	0.055638	0.016817457	0.020317	0.00712805	2.152782
145	486533.18	3856193.15	0.33407	0.04967	0.17914	0.45644	0.16915	0.22542	0.15198	0.0497	2.43896061	0.00204998	4.167E-07	0.016823126	0.0555	0.022189003	0.024063	0.00754744	2.552039
146	486583.18	3856193.15	0.32675	0.04877	0.17375	0.41728	0.1684	0.21084	0.14609	0.0488	2.38551914	0.002012836	4.042E-07	0.015379796	0.055254	0.020753834	0.023131	0.00741068	2.49464
147	486633.18	3856193.15	0.31756	0.0484	0.17078	0.38593	0.16396	0.20299	0.14329	0.0484	2.31842528	0.001997565	3.973E-07	0.014224321	0.053797	0.019981127	0.022687	0.00735446	2.423759
148	486683.18	3856193.15	0.30743	0.04838	0.16462	0.36265	0.16922	0.19789	0.14179	0.0484	2.24446871	0.00199674	3.83E-07	0.013366284	0.055523	0.019479114	0.02245	0.00735142	2.349933
149	486733.18	3856193.15	0.29927	0.04828	0.1597	0.34064	0.17681	0.18887	0.13782	0.0483	2.18489461	0.001992612	3.715E-07	0.012555056	0.058014	0.018591238	0.021821	0.00733623	2.290533
150	486783.18	3856193.15	0.29041	0.04864	0.15581	0.32169	0.18399	0.18354	0.13548	0.0486	2.12020999	0.00200747	3.625E-07	0.011856611	0.06037	0.018066585	0.021451	0.00739093	2.22657
151	486533.18	3856243.15	0.34235	0.05106	0.17659	0.53767	0.19264	0.25247	0.17039	0.0511	2.4994108	0.002107349	4.108E-07	0.019817041	0.063208	0.024851644	0.026978	0.00775865	2.628615
152	486583.18	3856243.15	0.33309	0.05075	0.17067	0.48328	0.19004	0.23644	0.16342	0.0508	2.43180588	0.002094554	3.97E-07	0.017812375	0.062355	0.023273746	0.025875	0.00771155	2.555505
153	486633.18	3856243.15	0.32474	0.05013	0.16658	0.44033	0.1905	0.22322	0.15728	0.0501	2.37084464	0.002068966	3.875E-07	0.016229356	0.062506	0.021972448	0.024902	0.00761734	2.490907
154	486683.18	3856243.15	0.31653	0.04944	0.16161	0.40255	0.18457	0.21377	0.15217	0.0494	2.31090551	0.002040488	3.76E-07	0.014836888	0.06056	0.021042246	0.024093	0.00751249	2.425966
155	486733.18	3856243.15	0.30647	0.04935	0.15627	0.37476	0.18982	0.20568	0.14771	0.0494	2.23745999	0.002036773	3.635E-07	0.013812625	0.062283	0.020245915	0.023387	0.00749882	2.351727
156	486783.18	3856243.15	0.29776	0.04947	0.15193	0.35045	0.19729	0.197	0.14326	0.0495	2.17387048	0.002041726	3.534E-07	0.012916625	0.064734	0.019391507	0.022683	0.00751705	2.28812
157	486533.18	3856293.15	0.35174	0.05249	0.17976	0.64961	0.21263	0.28588	0.18736	0.0525	2.56796481	0.002166367	4.182E-07	0.023942842	0.069767	0.028140325	0.029665	0.00797594	2.713671
158	486583.18	3856293.15	0.34144	0.05201	0.17491	0.56257	0.2168	0.26371	0.17827	0.052	2.49276712	0.002146557	4.069E-07	0.020734786	0.071135	0.025958042	0.028226	0.00790301	2.633065
159	486633.18	3856293.15	0.33188	0.05177	0.1723	0.50323	0.2176	0.24598	0.17068	0.0518	2.42297198	0.002136652	4.008E-07	0.018547677	0.071397	0.024212807	0.027024	0.00786654	2.558425
160	486683.18	3856293.15	0.32296	0.05132	0.16779	0.45705	0.21477	0.23077	0.16329	0.0513	2.35784931	0.002118079	3.903E-07	0.016845609	0.070469	0.022715625	0.025854	0.00779816	2.488054
161	486733.18	3856293.15	0.31419	0.05107	0.16136	0.41719	0.21101	0.21997	0.1579	0.0511	2.29382176	0.002107761	3.754E-07	0.015376479	0.069235	0.021652537	0.025001	0.00776017	2.419435
162	486783.18	3856293.15	0.30555	0.05085	0.15556	0.385	0.21535	0.20984	0.1526	0.0509	2.2307433	0.002098681	3.619E-07	0.014190044	0.070659	0.0206554	0.024161	0.00772674	2.354782
163	486783.18	3856343.15	0.31194	0.05291	0.15566	0.42463	0.23969	0.22649	0.16266	0.0529	2.27739508	0.002183702	3.621E-07	0.015650697	0.078646	0.022294327	0.025754	0.00803976	2.413884
164	486833.18	3856343.15	0.30388	0.05293	0.15469	0.39028	0.24597	0.21589	0.15663	0.0529	2.21855105	0.002184527	3.599E-07	0.01438465	0.080706	0.021250926	0.0248	0.0080428	2.353834
165	486883.18	3856343.15	0.29472	0.05297	0.15604	0.36128	0.25905	0.20673	0.15083	0.053	2.15167621	0.002186178	3.63E-07	0.013315789	0.084998	0.02034927	0.023881	0.00804888	2.288358
166	486783.18	3856393.15	0.31917	0.05429	0.14377	0.4719	0.27809	0.24322	0.17288	0.0543	2.33017948	0.002240657	3.345E-07	0.017392939	0.091245	0.023941129	0.027372	0.00824946	2.484123
167	486833.18	3856393.15	0.31009	0.05422	0.14447	0.42784	0.27664	0.23052	0.16509	0.0542	2.26388869	0.002237768	3.361E-07	0.015769008	0.090769	0.022691016	0.026139	0.00823882	2.413256
168	486883.18	3856393.15	0.3023	0.05392	0.14679	0.39335	0.28395	0.21942	0.15786	0.0539	2.20701587	0.002225386	3.415E-07	0.014497802	0.093168	0.021598399	0.024994	0.00819323	2.355307
169	487208.74	3856886.11	0.32487	0.07149	0.10643	0.60239	4.89808	0.3058	0.18878	0.0715	2.37179374	0.002950536	2.476E-07	0.022202442	1.607126	0.030101132	0.02989	0.01086303	4.053201
170	487258.74	3856886.11	0.31252	0.07115	0.1057	0.52786	5.15411	0.28381	0.17872	0.0712	2.28162951	0.002936503	2.459E-07	0.019455471	1.691133	0.027936567	0.028297	0.01081136	4.040577
171	487308.74	3856886.11	0.3016	0.07098	0.10451	0.47007	5.48859	0.26495	0.16984	0.071	2.20190535	0.002929487	2.431E-07	0.01732549	1.80088	0.026080101	0.026891	0.01078553	4.065227
172	487358.74	3856886.11	0.29189	0.07053	0.10165	0.42578	5.72221	0.24875	0.16224	0.0705	2.1310151	0.002910914	2.365E-07	0.015693082	1.877534	0.024485469	0.025688	0.01071715	4.06661
173	487208.74	3856936.11	0.33827	0.07376	0.09852	0.73207	5.78212	0.33884	0.20182	0.0738	2.46962375	0.003044223	2.292E-07	0.026982091	1.897192	0.033353392	0.031955	0.01120796	4.450942

174	487258.74	3856936.11	0.32419	0.07348	0.09868	0.61194	5.96597	0.30962	0.1898	0.0735
175	487308.74	3856936.11	0.31037	0.07353	0.10069	0.53455	6.16333	0.28871	0.17928	0.0735
176	487358.74	3856936.11	0.29859	0.07324	0.09933	0.47501	6.33413	0.26822	0.1703	0.0732
177	487208.74	3856986.11	0.3542	0.0763	0.09881	0.97541	6.07046	0.38736	0.21852	0.0763
178	487258.74	3856986.11	0.33746	0.07662	0.09985	0.74288	6.33669	0.34329	0.20265	0.0766
179	487308.74	3856986.11	0.32334	0.07602	0.09726	0.6203	6.4911	0.31662	0.19074	0.076
180	487358.74	3856986.11	0.3097	0.076	0.09558	0.53988	6.51618	0.29263	0.17987	0.076
181	487208.74	3857036.11	0.37403	0.07939	0.09429	1.51803	5.74061	0.4576	0.23929	0.0794
182	487258.74	3857036.11	0.35412	0.07883	0.09323	0.99904	6.19127	0.39458	0.22015	0.0788
183	487308.74	3857036.11	0.33709	0.0789	0.09315	0.75278	6.38265	0.35087	0.20378	0.0789
184	487358.74	3857036.11	0.3226	0.07861	0.10004	0.62316	6.70364	0.31988	0.19108	0.0786
185	487427.14	3856878.23	0.27878	0.06989	0.09561	0.37537	5.63999	0.22967	0.15153	0.0699
186	487477.14	3856878.23	0.27104	0.06937	0.09679	0.34955	5.51011	0.21968	0.14556	0.0694
187	487527.14	3856878.23	0.26442	0.06889	0.09749	0.32827	5.20335	0.21106	0.14027	0.0689
188	487427.14	3856928.23	0.28419	0.0724	0.09762	0.40985	6.31914	0.24291	0.15823	0.0724
189	487477.14	3856928.23	0.27576	0.07159	0.09891	0.37814	6.46191	0.23134	0.15178	0.0716
190	487527.14	3856928.23	0.26811	0.07107	0.0941	0.35164	6.18354	0.22147	0.14576	0.0711
191	487577.14	3856928.23	0.26146	0.07086	0.08792	0.32958	6.1309	0.21342	0.1404	0.0709
192	487627.14	3856928.23	0.25547	0.06957	0.08377	0.31155	5.93702	0.20659	0.1357	0.0696
193	487677.14	3856928.23	0.24969	0.0692	0.08328	0.2944	5.85636	0.19894	0.13103	0.0692
194	487727.14	3856928.23	0.24402	0.06913	0.08172	0.27753	6.02771	0.19278	0.12662	0.0691
195	487777.14	3856928.23	0.23892	0.06865	0.08096	0.26497	6.02448	0.18736	0.12282	0.0687
196	487427.14	3856978.23	0.29163	0.07471	0.09383	0.45325	6.67929	0.26036	0.16639	0.0747
197	487477.14	3856978.23	0.28132	0.07419	0.09464	0.41291	6.82143	0.24572	0.15869	0.0742
198	487527.14	3856978.23	0.27279	0.07365	0.09598	0.37988	6.90715	0.23469	0.15187	0.0737
199	487577.14	3856978.23	0.26543	0.07321	0.09257	0.35315	7.01611	0.22567	0.14586	0.0732
200	487627.14	3856978.23	0.2588	0.07222	0.09009	0.33151	7.09045	0.21768	0.14066	0.0722
201	487677.14	3856978.23	0.25232	0.0717	0.08562	0.31213	7.19216	0.21128	0.13553	0.0717
202	487727.14	3856978.23	0.24699	0.07001	0.08482	0.29697	7.30988	0.20344	0.13149	0.07
203	487777.14	3856978.23	0.24121	0.07076	0.08695	0.2789	7.09482	0.19754	0.12641	0.0708
204	487427.14	3857028.23	0.30268	0.07756	0.09092	0.50862	6.83443	0.28495	0.17524	0.0776
205	487477.14	3857028.23	0.29101	0.07685	0.09491	0.455	6.92334	0.2641	0.16658	0.0769
206	487527.14	3857028.23	0.28056	0.07615	0.09243	0.4147	7.10502	0.25083	0.15904	0.0762
207	487577.14	3857028.23	0.27111	0.07558	0.08815	0.38165	7.18989	0.23986	0.15216	0.0756
208	487627.14	3857028.23	0.26282	0.07452	0.08778	0.35564	7.36826	0.23122	0.14637	0.0745
209	487677.14	3857028.23	0.25584	0.07394	0.08844	0.33263	7.413	0.22278	0.14073	0.0739
210	487727.14	3857028.23	0.2494	0.07346	0.08841	0.31246	7.30845	0.21494	0.13535	0.0735
211	487777.14	3857028.23	0.24376	0.07272	0.08753	0.29576	7.3153	0.20754	0.1305	0.0727
212	487427.14	3857078.23	0.31465	0.07986	0.08703	0.58042	6.93353	0.30983	0.18567	0.0799
213	487477.14	3857078.23	0.30267	0.07927	0.09317	0.50978	7.03768	0.28909	0.17585	0.0793
214	487527.14	3857078.23	0.29092	0.07879	0.09009	0.4561	7.14925	0.26977	0.16704	0.0788
215	487577.14	3857078.23	0.28021	0.07804	0.08286	0.4154	7.18775	0.25735	0.15937	0.078
216	487627.14	3857078.23	0.27089	0.07734	0.08176	0.38328	7.30627	0.2462	0.15268	0.0773
217	487677.14	3857078.23	0.26236	0.07683	0.08288	0.35572	7.39222	0.23611	0.14643	0.0768
218	487727.14	3857078.23	0.25471	0.07571	0.08422	0.33234	7.1402	0.22807	0.14061	0.0757
219	487777.14	3857078.23	0.24845	0.0747	0.08385	0.31333	7.2405	0.21961	0.13546	0.0747
220	487427.14	3857128.23	0.32596	0.08225	0.0865	0.68283	6.60516	0.34157	0.1979	0.0823
221	487477.14	3857128.23	0.31262	0.08164	0.09171	0.58032	6.93693	0.31438	0.18654	0.0816
222	487527.14	3857128.23	0.30084	0.08081	0.08795	0.51087	7.22635	0.29383	0.17663	0.0808
223	487577.14	3857128.23	0.29032	0.08018	0.07765	0.45742	7.36185	0.27663	0.16775	0.0802
224	487627.14	3857128.23	0.28069	0.08008	0.07614	0.41669	7.22094	0.26352	0.15986	0.0801
225	487677.14	3857128.23	0.27151	0.07924	0.07858	0.3844	7.28767	0.25243	0.15306	0.0792
226	487727.14	3857128.23	0.26297	0.07826	0.07916	0.35622	7.23501	0.24258	0.14631	0.0783
227	487777.14	3857128.23	0.25543	0.07687	0.07968	0.33431	7.13689	0.23255	0.14092	0.0769
228	488049.44	3856539.39	0.1969	0.05709	0.1075	0.17182	0.78178	0.13229	0.09123	0.0571
229	488099.44	3856539.39	0.19458	0.05651	0.10345	0.16665	0.88013	0.13021	0.08984	0.0565
230	488149.44	3856539.39	0.19241	0.05647	0.10074	0.16231	0.85807	0.12852	0.08851	0.0565
231	488049.44	3856589.39	0.1997	0.05866	0.1005	0.17532	1.08493	0.13461	0.09308	0.0587
232	488099.44	3856589.39	0.19703	0.05823	0.09656	0.17215	1.14182	0.13276	0.09159	0.0582

2.36682923	0.003032667	2.296E-07	0.022554429	1.957515	0.03047715	0.030051	0.01116541	4.399295
2.2659329	0.00303473	2.342E-07	0.019702046	2.022272	0.028418894	0.028386	0.01117301	4.356573
2.1799301	0.003022762	2.311E-07	0.017507565	2.078313	0.02640198	0.026964	0.01112894	4.321011
2.58592465	0.003149054	2.299E-07	0.035950936	1.9918	0.038129412	0.034599	0.01159391	4.677959
2.46371014	0.003162261	2.323E-07	0.027380518	2.079153	0.033791424	0.032086	0.01164254	4.627641
2.36062359	0.003137498	2.263E-07	0.022862556	2.129817	0.031166188	0.0302	0.01155137	4.566256
2.2610414	0.003136672	2.224E-07	0.019898495	2.138047	0.028804755	0.028479	0.01154833	4.467859
2.73069847	0.003276584	2.194E-07	0.05595042	1.883572	0.04504342	0.037887	0.01206344	4.744364
2.58534059	0.003253472	2.169E-07	0.036821873	2.031439	0.038840106	0.034857	0.01197835	4.718574
2.46100887	0.003256361	2.167E-07	0.027745405	2.094234	0.034537554	0.032265	0.01198899	4.641058
2.35522104	0.003244392	2.327E-07	0.022967968	2.199555	0.031487083	0.030254	0.01194492	4.630785
2.0353023	0.0028845	2.224E-07	0.013835108	1.850557	0.022607348	0.023992	0.0106199	3.938558
1.97879452	0.002863039	2.252E-07	0.012883454	1.807941	0.021623991	0.023047	0.01054089	3.836613
1.93046357	0.002843228	2.268E-07	0.012099131	1.707289	0.02077549	0.022209	0.01046795	3.685212
2.07479934	0.002988093	2.271E-07	0.015105946	2.073395	0.023910614	0.025053	0.0110013	4.204251
2.01325404	0.002954663	2.301E-07	0.013937203	2.12024	0.022771732	0.024032	0.01087822	4.186311
1.95740333	0.002933201	2.189E-07	0.012960485	2.028903	0.021800188	0.023078	0.01079921	4.03628
1.90885336	0.002924534	2.045E-07	0.012147414	2.011631	0.021007794	0.02223	0.0107673	3.968027
1.86512188	0.002871293	1.949E-07	0.011482878	1.948016	0.02033549	0.021486	0.01057128	3.858742
1.82292356	0.002856023	1.937E-07	0.010850776	1.921551	0.019582469	0.020746	0.01051506	3.787995
1.78152833	0.002853134	1.901E-07	0.010228994	1.977773	0.018976116	0.020048	0.01050442	3.800903
1.74429452	0.002833323	1.883E-07	0.009766067	1.976713	0.018442603	0.019446	0.01043148	3.761065
2.1291169	0.003083431	2.183E-07	0.016705551	2.191565	0.025628288	0.026345	0.01135231	4.381092
2.0538462	0.00306197	2.202E-07	0.01521873	2.238203	0.024187214	0.025126	0.0112733	4.34837
1.99157082	0.003039683	2.233E-07	0.014001334	2.266329	0.023101486	0.024046	0.01119124	4.310897
1.93783733	0.003021523	2.154E-07	0.01301614	2.30208	0.022213611	0.023094	0.01112438	4.290139
1.88943337	0.002980664	2.096E-07	0.012218549	2.326472	0.021427123	0.022271	0.01097395	4.263829
1.84212453	0.002959203	1.992E-07	0.011504255	2.359845	0.020797145	0.021459	0.01089494	4.247794
1.80321155	0.002889453	1.973E-07	0.010945499	2.39847	0.020025422	0.020819	0.01063814	4.245723
1.76101323	0.002920407	2.023E-07	0.010279489	2.327906	0.019444662	0.020015	0.0107521	4.130827
2.20979016	0.003201057	2.115E-07	0.018746338	2.242469	0.028048782	0.027746	0.01178537	4.518216
2.12459044	0.003171754	2.208E-07	0.016770051	2.271641	0.025996432	0.026375	0.01167749	4.456868
2.04829763	0.003142863	2.15E-07	0.015284704	2.331253	0.024690212	0.025181	0.01157112	4.436278
1.97930557	0.003119338	2.051E-07	0.014066572	2.3591	0.02361039	0.024092	0.01148451	4.391809
1.91878238	0.00307559	2.042E-07	0.013107914	2.417625	0.02275992	0.023175	0.01132344	4.387203
1.86782316	0.003051652	2.057E-07	0.012259829	2.432305	0.021929137	0.022282	0.01123531	4.348416
1.82080635	0.003031841	2.057E-07	0.011516418	2.398001	0.021157414	0.02143	0.01116237	4.264781
1.77963013	0.0030013	2.036E-07	0.010900902	2.400249	0.020429002	0.020662	0.01104993	4.223823
2.2971801	0.003295982	2.025E-07	0.021392688	2.274985	0.030497821	0.029397	0.01213486	4.644614
2.20971715	0.003271632	2.167E-07	0.018789092	2.309158	0.028456299	0.027843	0.01204521	4.58519
2.12393337	0.003251821	2.096E-07	0.016810594	2.345765	0.026554553	0.026448	0.01197227	4.530791
2.04574237	0.003220867	1.928E-07	0.015310504	2.358398	0.025332002	0.025233	0.01185831	4.461379
1.9776994	0.003191977	1.902E-07	0.014126649	2.397286	0.024234462	0.024174	0.01175194	4.428961
1.91542403	0.003170928	1.928E-07	0.013110863	2.425487	0.023241263	0.023185	0.01167445	4.391944
1.85957332	0.003124703	1.959E-07	0.01224914	2.342796	0.022449853	0.022263	0.01150426	4.250952
1.81387064	0.003083019	1.951E-07	0.011548484	2.375706	0.021617101	0.021448	0.01135079	4.235922
2.37975155	0.003394622	2.012E-07	0.02516724	2.167242	0.033622117	0.031334	0.01249803	4.628014
2.28235958	0.003369446	2.134E-07	0.021389003	2.2761	0.030945696	0.029535	0.01240534	4.631294
2.19635678	0.003335191	2.046E-07	0.018829266	2.371063	0.028922876	0.027966	0.01227922	4.634194
2.11955292	0.003309189	1.806E-07	0.016859246	2.415522	0.02722981	0.02656	0.01218349	4.59685
2.04924673	0.003305062	1.771E-07	0.01535805	2.369288	0.02593934	0.025311	0.01216829	4.47628
1.98222587	0.003270394	1.828E-07	0.014167929	2.391183	0.024847706	0.024234	0.01204065	4.427889
1.91987749	0.003229947	1.842E-07	0.013129292	2.373904	0.023878131	0.023166	0.01189174	4.345293
1.86482985	0.003172579	1.854E-07	0.012321749	2.34171	0.022890838	0.022312	0.01168053	4.255557
1.43751712	0.002356219	2.501E-07	0.006332814	0.256513	0.01302184	0.014445	0.00867492	1.72151
1.42057939	0.002332281	2.407E-07	0.006142262	0.288783	0.012817097	0.014225	0.00858679	1.736292
1.40473677	0.00233063	2.344E-07	0.005982301	0.281544	0.012650744	0.014014	0.00858071	1.712678
1.45795921	0.002421016	2.338E-07	0.006461814	0.35598	0.013250207	0.014738	0.00891349	1.841897
1.43846622	0.002403269	2.246E-07	0.006344977	0.374647	0.013068104	0.014502	0.00884815	1.840583

233	488149.44	3856589.39	0.19466	0.05791	0.09766	0.1685	1.15639	0.13104	0.08996	0.0579	1.42116345	0.002390062	2.272E-07	0.006210448	0.379427	0.012898797	0.014244	0.00879952	1.827534
234	488199.44	3856589.39	0.19238	0.05759	0.09854	0.16361	1.1339	0.12929	0.08859	0.0576	1.40451774	0.002376855	2.292E-07	0.006030216	0.372048	0.012726538	0.014027	0.0087509	1.802975
235	488249.44	3856589.39	0.18848	0.05798	0.09888	0.16179	1.11541	0.12819	0.08688	0.058	1.37604483	0.002392951	2.3E-07	0.005963135	0.365981	0.01261826	0.013756	0.00881016	1.767946
236	488049.44	3856639.39	0.20141	0.06006	0.09953	0.17828	1.44948	0.13756	0.09424	0.0601	1.47044349	0.002478797	2.315E-07	0.006570912	0.475594	0.013540587	0.014921	0.00912622	1.974423
237	488099.44	3856639.39	0.1986	0.05963	0.09695	0.17519	1.37247	0.13532	0.09279	0.0596	1.44992839	0.00246105	2.255E-07	0.006457023	0.450326	0.013320095	0.014692	0.00906088	1.928123
238	488149.44	3856639.39	0.19595	0.05925	0.09377	0.17236	1.3502	0.13283	0.09142	0.0593	1.43058141	0.002445366	2.181E-07	0.006352717	0.443019	0.013074994	0.014475	0.00900314	1.900945
239	488199.44	3856639.39	0.19304	0.05927	0.09233	0.16942	1.34291	0.13102	0.08994	0.0593	1.40933624	0.002446192	2.148E-07	0.006244356	0.440627	0.012896829	0.01424	0.00900618	1.876785
240	488249.44	3856639.39	0.19016	0.05919	0.09076	0.16662	1.33258	0.13065	0.08838	0.0592	1.38831008	0.00244289	2.111E-07	0.006141156	0.437237	0.012860408	0.013993	0.00899402	1.851992
241	488299.44	3856639.39	0.1849	0.05899	0.08947	0.16329	1.35741	0.12893	0.08698	0.059	1.34990815	0.002434636	2.081E-07	0.006018421	0.445385	0.012691102	0.013772	0.00896363	1.821245
242	488349.44	3856639.39	0.17899	0.05857	0.08761	0.16041	1.39854	0.12839	0.08558	0.0586	1.30676074	0.002417301	2.038E-07	0.005912272	0.45888	0.012637947	0.01355	0.00889981	1.791259
243	488399.44	3856639.39	0.17381	0.05876	0.0864	0.15766	1.42444	0.12905	0.08404	0.0588	1.26894287	0.002425143	2.01E-07	0.005810915	0.467378	0.012702914	0.013306	0.00892868	1.761638
244	488099.44	3856689.39	0.19943	0.06091	0.09376	0.17904	1.67507	0.13786	0.09393	0.0609	1.45598801	0.002513878	2.181E-07	0.006598923	0.549613	0.013570118	0.014872	0.00925538	2.033901
245	488149.44	3856689.39	0.19641	0.06082	0.09167	0.17518	1.71467	0.13502	0.09246	0.0608	1.43393975	0.002510163	2.133E-07	0.006456654	0.562606	0.013290565	0.014639	0.0092417	2.024201
246	488199.44	3856689.39	0.19334	0.06079	0.09108	0.17212	1.72336	0.1343	0.09101	0.0608	1.41152646	0.002508925	2.119E-07	0.006343871	0.565458	0.013219692	0.01441	0.00923714	2.004229
247	488249.44	3856689.39	0.19079	0.06034	0.09099	0.17025	1.72632	0.13481	0.08972	0.0603	1.39290956	0.002490353	2.117E-07	0.006274948	0.566429	0.013269894	0.014206	0.00916876	1.986411
248	488299.44	3856689.39	0.18691	0.06054	0.09089	0.16863	1.69217	0.1334	0.08831	0.0605	1.36458266	0.002498607	2.114E-07	0.006215239	0.555224	0.013131102	0.013982	0.00919915	1.946435
249	488349.44	3856689.39	0.18106	0.06018	0.09071	0.16475	1.67387	0.13395	0.08683	0.0602	1.32187329	0.002483749	2.11E-07	0.006072233	0.549219	0.013185241	0.013748	0.00914445	1.897438
250	488399.44	3856689.39	0.17582	0.05935	0.08665	0.16084	1.63171	0.13271	0.08548	0.0594	1.28361737	0.002449493	2.016E-07	0.005928121	0.535386	0.013063182	0.013534	0.00901833	1.84496
251	488099.44	3856739.39	0.20218	0.06243	0.09408	0.18499	2.22746	0.14407	0.09537	0.0624	1.47606507	0.002576611	2.189E-07	0.006818224	0.73086	0.014181393	0.0151	0.00948634	2.236115
252	488149.44	3856739.39	0.19858	0.06171	0.09359	0.18106	2.16726	0.14034	0.09374	0.0617	1.44978238	0.002546895	2.177E-07	0.006673375	0.711107	0.013814234	0.014842	0.00937694	2.189389
253	488199.44	3856739.39	0.19477	0.0619	0.09355	0.17528	2.06579	0.13913	0.09211	0.0619	1.42196653	0.002554737	2.176E-07	0.00646034	0.677814	0.013695129	0.014584	0.00940581	2.127669
254	488249.44	3856739.39	0.19207	0.06173	0.09221	0.17296	1.99529	0.13877	0.09075	0.0617	1.40225451	0.002547721	2.145E-07	0.006374831	0.654682	0.013659693	0.014369	0.00937998	2.084507
255	488299.44	3856739.39	0.1898	0.06116	0.09274	0.17091	1.94893	0.13744	0.08954	0.0612	1.38568182	0.002524196	2.157E-07	0.006299274	0.63947	0.013528775	0.014177	0.00929336	2.052388
256	488349.44	3856739.39	0.18378	0.06165	0.09174	0.16838	1.8794	0.13754	0.08811	0.0617	1.34173132	0.002544419	2.134E-07	0.006206025	0.616656	0.013538619	0.013951	0.00936782	1.98526
257	488399.44	3856739.39	0.17706	0.06184	0.09548	0.16544	1.81321	0.13593	0.08669	0.0618	1.2926703	0.002552261	2.221E-07	0.006097664	0.594939	0.01338014	0.013726	0.00939669	1.913968
258	487999.44	3856789.39	0.21228	0.06372	0.09195	0.20113	3.30311	0.15472	0.10164	0.0637	1.54980261	0.002629852	2.139E-07	0.0074131	1.083795	0.015229716	0.016093	0.00968236	2.665281
259	488049.44	3856789.39	0.20886	0.06347	0.09174	0.1961	2.88751	0.15185	0.0994	0.0635	1.52483406	0.002619534	2.134E-07	0.007227708	0.947431	0.01494721	0.015738	0.00964437	2.503154
260	488099.44	3856789.39	0.20539	0.06372	0.09203	0.19061	2.6324	0.14918	0.09708	0.0637	1.49950046	0.002629852	2.141E-07	0.007025362	0.863726	0.014684391	0.015371	0.00968236	2.393255
261	488149.44	3856789.39	0.20171	0.06319	0.09346	0.18611	2.51819	0.14686	0.09514	0.0632	1.47263371	0.002607978	2.174E-07	0.006859504	0.826252	0.014456024	0.015064	0.00960183	2.328271
262	488199.44	3856789.39	0.1978	0.06299	0.09221	0.18142	2.39173	0.14414	0.0935	0.063	1.44408779	0.002599724	2.145E-07	0.006686643	0.784759	0.014188284	0.014804	0.00957144	2.257554
263	488249.44	3856789.39	0.19433	0.0625	0.09691	0.17801	2.30724	0.1429	0.09187	0.0625	1.4187542	0.0025795	2.255E-07	0.00656096	0.757037	0.014066225	0.014546	0.00949698	2.204047
264	488299.44	3856789.39	0.19135	0.06187	0.09372	0.17427	2.23594	0.14184	0.09054	0.0619	1.39699797	0.002553499	2.18E-07	0.006423114	0.733642	0.013961885	0.014335	0.00940125	2.158513
265	488349.44	3856789.39	0.18702	0.06249	0.10042	0.17089	2.14825	0.14048	0.08896	0.0625	1.36538574	0.002579088	2.336E-07	0.006298536	0.70487	0.013828015	0.014085	0.00949546	2.097551
266	488399.44	3856789.39	0.18038	0.06268	0.1043	0.16785	2.08454	0.1388	0.08758	0.0627	1.31690878	0.002586929	2.426E-07	0.00618649	0.683966	0.013662646	0.013867	0.00952433	2.027653
267	487949.44	3856839.39	0.22052	0.06542	0.09065	0.21258	4.17981	0.16369	0.10656	0.0654	1.60996077	0.002700014	2.109E-07	0.007835115	1.371452	0.016112669	0.016872	0.00994068	3.014992
268	487999.44	3856839.39	0.21542	0.06514	0.08976	0.20652	3.73345	0.1611	0.10401	0.0651	1.57272696	0.002688458	2.088E-07	0.00761176	1.224995	0.015857725	0.016468	0.00989813	2.83045
269	488049.44	3856839.39	0.21182	0.06486	0.08721	0.20103	3.38942	0.15769	0.10159	0.0649	1.54644427	0.002676902	2.029E-07	0.007409414	1.112114	0.015522065	0.016085	0.00985559	2.690397
270	488099.44	3856839.39	0.20832	0.06477	0.08743	0.19579	3.1424	0.15377	0.09922	0.0648	1.52089165	0.002673188	2.034E-07	0.007216282	1.031064	0.015136203	0.01571	0.00984191	2.582849
271	488149.44	3856839.39	0.20483	0.06464	0.08757	0.19098	2.95211	0.15148	0.09696	0.0646	1.49541205	0.002667822	2.037E-07	0.007038999	0.968627	0.014910789	0.015352	0.00982216	2.494187
272	488199.44	3856839.39	0.2009	0.06437	0.09293	0.1862	2.81809	0.14785	0.09495	0.0644	1.46672011	0.002656679	2.162E-07	0.006862821	0.924653	0.014553474	0.015034	0.00978113	2.420699
273	487949.44	3856889.39	0.22279	0.06672	0.08589	0.2198	4.8079	0.16918	0.10935	0.0667	1.62653347	0.002753668	1.998E-07	0.008101225	1.577537	0.016653072	0.017314	0.01013822	3.238754
274	487999.44	3856889.39	0.21877	0.06675	0.08846	0.21227	4.2254	0.16599	0.10643	0.0668	1.59718446	0.002754906	2.058E-07	0.00782369	1.386411	0.016339067	0.016851	0.01014277	3.017222
275	488049.44	3856889.39	0.21541	0.06609	0.09008	0.20663	3.83438	0.16318	0.104	0.0661	1.57265395	0.002727667	2.096E-07	0.007615815	1.258112	0.016062468	0.016467	0.01004249	2.863596
276	488099.44	3856889.39	0.21133	0.06621	0.09111	0.20065	3.48702	0.16052	0.10137	0.0662	1.5428669	0.002732619	2.12E-07	0.007395408	1.144138	0.015800633	0.01605	0.01006072	2.718923
277	488635.86	3857895.05	0.2608	0.1131	0.4101	0.34862	0.90538	0.38331	0.13917	0.1131	1.90403487	0.004667864	9.541E-07	0.012849177	0.297067	0.037730754	0.022035	0.01718574	2.2612
278	489137.64	3857804.15	0.20107	0.09201	0.26811	0.22854	0.85314	0.25288	0.09905	0.092	1.46796124	0.003797437	6.237E-07	0.008423357	0.279927	0.024892002	0.015683	0.01398107	1.786703
279	488617.32	3857859.41	0.25767	0.11063	0.4154	0.33849	0.93762	0.37517	0.13687	0.1106	1.88118353	0.004565922	9.664E-07	0.012475813	0.307646	0.036929501	0.021671	0.01681041	2.247662
280	488667.32	3857859.41	0.24618	0.10864	0.39483	0.32344	0.87845	0.35981	0.13228	0.1086	1.79729794	0.004483791	9.185E-07	0.011921111	0.288231	0.035417554	0.020944	0.01650803	2.141789
281	488717.32	3857859.41	0.24112	0.10679	0.37647	0.30969	0.88577	0.34605	0.12806	0.1068	1.76035616	0.004407437	8.758E-07	0.011414324	0.290633	0.034063102	0.020276	0.01622692	2.104924
282	488767.32	3857859.41	0.23623	0.10586	0.36165	0.29589	0.85802	0.3333	0.12441	0.1059	1.72465551	0.004369054	8.413E-07	0.010905693	0.281528	0.032808068	0.019698	0.0160856	2.05788
283	488617.32	3857909.41	0.26882	0.1149	0.42666	0.363	0.86067	0.39508	0.14276	0.1149	1.96258686	0.004742153	9.926E-07	0.013379184	0.282397	0.038889323	0.022603	0.01745925	2.30714
284	488667.32	3857909.41	0.25592	0.11435	0.41339	0.34285	0.84256	0.37694	0.13805	0.1144	1.86840722	0.004719454	9.617E-07	0.01263651	0.276455	0.03710373	0.021858	0.01737567	2.203805
285	488717.32	3857909.41	0.24961	0.11113	0.39261	0.32915	0.76594	0.36383	0.13294	0.1111	1.8223395	0.004586558	9.134E-07	0.012131566	0.251315	0.035813259	0.021049	0.01688639	2.130349
286	488767.32	3857909.41	0.24453	0.10994	0.38856	0.31302	0.75223	0.35226	0.12909	0.1099	1.78525171	0.004537444	9.039E-07	0.011537058	0.246817	0.034674377	0.020439	0.01670557	2.086552
287	488417.32	3857959.41	0.31992	0.1265	0.52334	0.55324	1.02682	0.52348	0.17635	0.1265	2.33565504	0.005220908	1.217E-06	0.020390908	0.336913	0.051528255	0.027922	0.01922189	2.75841
288	488467.32	3857959.41	0.30837	0.12494	0.49283	0.49563	0.90168	0.48725	0.1688	0.1249	2.25133141	0.005156524	1.147E-06	0.018267562	0.295853	0.047961989	0.026726	0.01898484	2.626314
289	488517.32	3857959.41	0.29827	0.12355	0.46507	0.45231	0.84065	0.45437	0.16185	0.1236	2.17759386	0.005099156	1.082E-06	0.016670905	0.275829	0.044725478	0.025626	0.01877363	2.526771
290	488567.32	3857959.41	0.28936	0.12215	0.43588	0.41723	0.81287	0.42896	0.15556	0.1222	2.11254421	0.005041375	1.014E-06	0.015377953	0.266714	0.042224269	0.02463	0.0185609	2.447972
291	488617.32	3857959.41	0.28074	0.12008	0.41493	0.39086	0.79482	0.40966	0.14971	0.1201	2.04961176	0.004955942	9.653E-07	0.014406027	0.260791	0.040324492	0.023704	0.01824636	2.375548

292	488667.32	3857959.41	0.26756	0.11802	0.39724	0.37011	0.73561	0.392	0.14418	0.118	1.95338792	0.004870922	9.241E-07	0.013641239	0.241364	0.038586146	0.022828	0.01793334	2.256746
293	488717.32	3857959.41	0.25886	0.11655	0.38978	0.35097	0.68396	0.37571	0.13936	0.1166	1.88987142	0.004810252	9.068E-07	0.012935791	0.224417	0.036982656	0.022065	0.01770997	2.173373
294	488767.32	3857959.41	0.25373	0.11457	0.37678	0.33414	0.68315	0.36343	0.13459	0.1146	1.85241858	0.004728533	8.765E-07	0.012315483	0.224151	0.035773886	0.02131	0.0174091	2.133289
295	488417.32	3858009.41	0.33742	0.13231	0.52601	0.6478	0.89727	0.56161	0.18784	0.1323	2.46341812	0.005460699	1.224E-06	0.02387613	0.294406	0.055281545	0.029741	0.02010473	2.85208
296	488467.32	3858009.41	0.32346	0.13096	0.49659	0.55884	0.87851	0.51787	0.17839	0.131	2.36149968	0.005404982	1.155E-06	0.020597309	0.288251	0.05097604	0.028245	0.01989959	2.735075
297	488517.32	3858009.41	0.31186	0.12935	0.47129	0.50209	0.80644	0.48335	0.17087	0.1294	2.27681102	0.005338534	1.096E-06	0.01850566	0.264604	0.047578097	0.027054	0.01965495	2.620237
298	488567.32	3858009.41	0.30182	0.12792	0.44723	0.46103	0.7621	0.45431	0.16427	0.1279	2.20351152	0.005279515	1.04E-06	0.016992301	0.250055	0.044719572	0.026009	0.01943766	2.527131
299	488617.32	3858009.41	0.29326	0.12526	0.42482	0.43155	0.72857	0.42952	0.15754	0.1253	2.14101712	0.005169731	9.883E-07	0.015905749	0.239054	0.042279392	0.024944	0.01903347	2.449337
300	488667.32	3858009.41	0.2803	0.12281	0.40755	0.40555	0.71094	0.41041	0.15093	0.1228	2.04639944	0.005068615	9.481E-07	0.01494746	0.233269	0.040398317	0.023897	0.01866119	2.34532
301	488717.32	3858009.41	0.26955	0.1208	0.39078	0.38041	0.66296	0.39384	0.14498	0.1208	1.9679164	0.004985658	9.091E-07	0.014020869	0.217526	0.038767265	0.022955	0.01835576	2.247816
302	488767.32	3858009.41	0.26457	0.11881	0.3711	0.36307	0.60455	0.37982	0.13965	0.1188	1.93155868	0.004903527	8.633E-07	0.013381764	0.198361	0.03738722	0.022111	0.01805338	2.189651
303	488417.32	3858059.41	0.35922	0.14013	0.49905	0.79222	0.80711	0.60996	0.20252	0.1401	2.6225744	0.005783446	1.161E-06	0.029199055	0.264824	0.060040831	0.032065	0.02129299	2.993195
304	488467.32	3858059.41	0.34175	0.13815	0.47194	0.64688	0.80231	0.553	0.19057	0.1382	2.49503035	0.005701727	1.098E-06	0.023842222	0.263249	0.054434028	0.030173	0.02099212	2.851439
305	488517.32	3858059.41	0.32774	0.13595	0.44737	0.56294	0.76437	0.5142	0.18157	0.136	2.39274688	0.005610929	1.041E-06	0.020748424	0.2508	0.050614787	0.028748	0.02065783	2.728613
306	488567.32	3858059.41	0.31641	0.13392	0.42333	0.50833	0.72794	0.4835	0.17369	0.1339	2.31002942	0.005527147	9.848E-07	0.018735649	0.238847	0.047592862	0.027501	0.02034937	2.627884
307	488617.32	3858059.41	0.30691	0.1316	0.39915	0.47048	0.69383	0.45832	0.16599	0.1316	2.24067232	0.005431396	9.286E-07	0.017340602	0.227655	0.045114292	0.026281	0.01999684	2.542499
308	488667.32	3858059.41	0.29522	0.12863	0.37872	0.43834	0.6605	0.43534	0.15855	0.1286	2.15532658	0.005308818	8.811E-07	0.01615601	0.216719	0.042852278	0.025104	0.01954554	2.441921
309	488417.32	3858109.41	0.38312	0.14733	0.46343	1.06076	0.6584	0.7142	0.21336	0.1473	2.79706226	0.006080604	1.078E-06	0.039096703	0.21603	0.070301596	0.033782	0.02238704	3.139967
310	488467.32	3858109.41	0.36571	0.1458	0.43421	0.80651	0.72728	0.60843	0.20294	0.1458	2.66995625	0.006017458	1.01E-06	0.029725745	0.23863	0.059890227	0.032132	0.02215456	3.014198
311	488517.32	3858109.41	0.34851	0.14416	0.40864	0.65898	0.72036	0.55698	0.19209	0.1442	2.5443834	0.005949772	9.507E-07	0.024288195	0.23636	0.054825795	0.030414	0.02190535	2.874317
312	488567.32	3858109.41	0.3353	0.14163	0.38452	0.57523	0.67788	0.51747	0.18331	0.1416	2.44794053	0.005845354	8.945E-07	0.021201399	0.222422	0.050936666	0.029024	0.02152092	2.755849
313	488617.32	3858109.41	0.32552	0.1389	0.3653	0.51913	0.66565	0.4864	0.17467	0.1389	2.37653922	0.005732681	8.498E-07	0.019133707	0.218409	0.04787832	0.027656	0.02110609	2.674243
314	488667.32	3858109.41	0.31731	0.13521	0.3486	0.48094	0.63225	0.46032	0.16687	0.1352	2.31660009	0.005580388	8.11E-07	0.017726129	0.20745	0.04531116	0.026421	0.02054539	2.598544
315	488769.93	3858449.27	0.3309	0.19245	0.20696	1.35386	0.38073	0.76035	0.2265	0.1925	2.41581724	0.007942797	4.815E-07	0.049899565	0.124923	0.074844327	0.035862	0.0292431	2.680046
316	488819.93	3858449.27	0.31877	0.18407	0.1929	0.99535	0.36808	0.63284	0.2114	0.1841	2.32725918	0.007596938	4.488E-07	0.03668587	0.120772	0.062293002	0.033471	0.02796975	2.560109
317	488819.93	3858499.27	0.33646	0.20182	0.20833	1.4206	0.35293	0.7644	0.22835	0.2018	2.4564094	0.008329516	4.847E-07	0.052359418	0.115801	0.075242985	0.036155	0.03066689	2.713631
318	488869.93	3858499.27	0.3255	0.19094	0.20029	1.04229	0.34045	0.64033	0.21288	0.1909	2.37639321	0.007880476	4.66E-07	0.038415949	0.111706	0.063030273	0.033706	0.02901365	2.602119
319	488869.93	3858549.27	0.34761	0.21051	0.19797	1.50255	0.32593	0.78202	0.23004	0.2105	2.53781273	0.00868817	4.606E-07	0.05537987	0.106942	0.076977393	0.036423	0.03198735	2.790236
320	489438.17	3859571.48	0.23355	0.19439	0.32618	0.43965	0.09043	0.22718	0.19112	0.1944	1.7050895	0.008022865	7.588E-07	0.016204293	0.029671	0.022362247	0.03026	0.02953789	1.782073
321	489488.17	3859571.48	0.2237	0.20731	0.37634	0.40642	0.08396	0.22762	0.20336	0.2073	1.63317715	0.008556099	8.755E-07	0.014979526	0.027548	0.022405558	0.032198	0.0315011	1.707365
322	489538.17	3859571.48	0.2151	0.22256	0.42348	0.39763	0.08996	0.23244	0.21803	0.2226	1.57039072	0.009185497	9.852E-07	0.014655551	0.029517	0.02288001	0.034521	0.03381837	1.647333
323	489588.17	3859571.48	0.2072	0.2398	0.48207	0.39623	0.08711	0.23891	0.23206	0.2398	1.51271482	0.009897027	1.121E-06	0.014603951	0.028582	0.023516878	0.036742	0.03643801	1.58962
324	489438.17	3859621.48	0.23058	0.17638	0.25721	0.42318	0.08534	0.21996	0.17166	0.1764	1.68340629	0.007279556	5.984E-07	0.015597254	0.028001	0.021651553	0.027179	0.02680124	1.756314
325	489488.17	3859621.48	0.22013	0.18625	0.27309	0.39494	0.08422	0.22157	0.183	0.1863	1.60711348	0.007686911	6.353E-07	0.014556405	0.027634	0.021810032	0.028975	0.028301	1.679475
326	489538.17	3859621.48	0.21147	0.19788	0.2955	0.37433	0.0825	0.22263	0.19354	0.1979	1.54388901	0.008166904	6.874E-07	0.013796777	0.027069	0.021914372	0.030644	0.0300682	1.615412
327	489588.17	3859621.48	0.20554	0.21259	0.32912	0.37115	0.0868	0.22686	0.20742	0.2126	1.50059558	0.008774015	7.657E-07	0.013679571	0.02848	0.022330748	0.032841	0.03230341	1.574399
328	489238.17	3859671.48	0.28997	0.13511	0.16469	1.17578	0.08954	0.20951	0.13637	0.1351	2.11699766	0.00557626	3.831E-07	0.043336024	0.029379	0.020622917	0.021592	0.02053019	2.216974
329	489288.17	3859671.48	0.26775	0.13983	0.18685	0.65505	0.08891	0.21035	0.14174	0.1398	1.95477506	0.005771064	4.347E-07	0.024143345	0.029173	0.020705602	0.022442	0.0212474	2.035763
330	489338.17	3859671.48	0.2516	0.14596	0.21049	0.51061	0.08483	0.20693	0.14741	0.146	1.83686799	0.006024062	4.897E-07	0.018819683	0.027834	0.020368957	0.02334	0.02217887	1.911076
331	489388.17	3859671.48	0.23656	0.15339	0.20175	0.45403	0.08054	0.20783	0.15301	0.1534	1.72706475	0.006330713	4.693E-07	0.0167343	0.026426	0.020457548	0.024226	0.02330787	1.797933
332	489438.17	3859671.48	0.22414	0.16025	0.19362	0.40555	0.0767	0.20976	0.1585	0.1603	1.63638947	0.006613839	4.504E-07	0.01494746	0.025166	0.020647526	0.025096	0.02435026	1.70451
333	489488.17	3859671.48	0.21453	0.16938	0.22156	0.37558	0.08578	0.21396	0.16533	0.1694	1.56622929	0.006990652	5.154E-07	0.013842848	0.028146	0.021060949	0.026177	0.02573758	1.636709
334	489538.17	3859671.48	0.20757	0.17957	0.21601	0.35974	0.07899	0.21615	0.17726	0.1796	1.51541609	0.007411214	5.025E-07	0.013259029	0.025918	0.021276519	0.028066	0.02728596	1.584061
335	489588.17	3859671.48	0.19989	0.19152	0.22858	0.35205	0.08133	0.21721	0.18833	0.1915	1.45934635	0.007904414	5.318E-07	0.012975597	0.026685	0.021380859	0.029819	0.02910179	1.52901
336	489238.17	3859721.48	0.26501	0.12892	0.17591	1.17339	0.07704	0.2061	0.12723	0.1289	1.93477101	0.005320787	4.092E-07	0.043247936	0.025278	0.020287257	0.020145	0.01958961	2.02946
337	489288.17	3859721.48	0.24734	0.13355	0.1766	0.64774	0.08838	0.2052	0.13365	0.1336	1.80576681	0.005511876	4.108E-07	0.023873919	0.028999	0.020198666	0.021161	0.02029315	1.885218
338	489338.17	3859721.48	0.23521	0.13799	0.15341	0.49771	0.08516	0.20392	0.13957	0.138	1.71720875	0.005695124	3.569E-07	0.018344225	0.027942	0.020072671	0.022098	0.02096781	1.790394
339	489388.17	3859721.48	0.22569	0.14297	0.14557	0.44358	0.08162	0.20134	0.14474	0.143	1.64770563	0.005900658	3.387E-07	0.016349142	0.026781	0.019818711	0.022917	0.02172453	1.717748
340	489438.17	3859721.48	0.2176	0.14908	0.15433	0.3987	0.07629	0.20011	0.14869	0.1491	1.58864259	0.00615283	3.59E-07	0.014694988	0.025032	0.019697637	0.023542	0.02265296	1.65511
341	489488.17	3859721.48	0.20933	0.15645	0.15365	0.36126	0.07335	0.20322	0.15498	0.1565	1.52826541	0.006457005	3.574E-07	0.013315052	0.024067	0.020003767	0.024538	0.02377284	1.592874
342	489538.17	3859721.48	0.20177	0.16388	0.16499	0.34288	0.08018	0.20378	0.16102	0.1639	1.47307176	0.006763656	3.838E-07	0.012637616	0.026308	0.02005889	0.025495	0.02490184	1.539433
343	489588.17	3859721.48	0.19686	0.17193	0.17881	0.33252	0.0744	0.20821	0.1729	0.1719	1.43722509	0.007095896	4.16E-07	0.012255775	0.024412	0.020494953	0.027376	0.02612505	1.502734
344	489238.17	3859771.48	0.24171	0.12168	0.13836	1.1685	0.06676	0.20016	0.11887	0.1217	1.7646636	0.005021977	3.219E-07	0.043067704	0.021905	0.019702559	0.018821	0.01848948	1.854692
345	489288.17	3859771.48	0.23005	0.12719	0.12005	0.64313	0.07956	0.19692	0.12375	0.1272	1.67953689	0.005249386	2.793E-07	0.023704007	0.026105	0.019383632	0.019594	0.01932673	1.754246
346	489338.17	3859771.48	0.21955	0.13063	0.11712	0.4911	0.0858	0.1959	0.12935	0.1306	1.60287904	0.005391362	2.725E-07	0.018100598	0.028152	0.01928323	0.02048	0.01984945	1.674437
347	489388.17	3859771.48	0.21347	0.13476	0.12089	0.42929	0.0821	0.19505	0.13489	0.1348	1.5584905	0.005561815	2.812E-07	0.015822451	0.026938	0.019199561	0.021357	0.02047701	1.626893
348	489438.17	3859771.48	0.20755	0.13876	0.13336	0.39272	0.07745	0.19653	0.13931	0.1388	1.51527008	0.005726903	3.102E-07	0.014474582	0.025412	0.019345243	0.022057	0.02108482	1.581202
349	489488.17	3859771.48	0.20077	0.1452	0.12975	0.35448	0.07251	0.19585	0.14431	0.1452	1.46577101	0.005992695	3.018E-07	0.01306516	0.023792	0.019278308	0.022849	0.02206338	1.528684
350	489538.17	3859771.48	0.19718	0.15176	0.14175	0.33256	0.07389	0.19524	0.1501	0.1518	1.43956133	0.006263439	3.298E-07	0.012257249	0.024244	0.019218263	0.023766	0.02306019	1.50225

351	489588.17	3859771.48	0.19421	0.15838	0.15516	0.32386	0.07519	0.19816	0.15583	0.1584	1.41787811	0.00653666	3.61E-07	0.011936591	0.024671	0.019505691	0.024673	0.02406611	1.481135
352	489238.17	3859821.48	0.22051	0.1161	0.09767	1.16407	0.05847	0.20502	0.11221	0.1161	1.60988776	0.00479168	2.272E-07	0.042904426	0.019185	0.020180948	0.017766	0.01764159	1.697075
353	489288.17	3859821.48	0.21484	0.11944	0.09631	0.64025	0.06871	0.19731	0.11661	0.1194	1.56849253	0.004929528	2.241E-07	0.023597858	0.022545	0.019422022	0.018463	0.01814911	1.639301
354	489338.17	3859821.48	0.2063	0.12343	0.10042	0.4858	0.08185	0.19437	0.1206	0.1234	1.50614414	0.005094203	2.336E-07	0.017905255	0.026856	0.019132626	0.019095	0.0187554	1.575472
355	489388.17	3859821.48	0.20391	0.12766	0.10738	0.423	0.08236	0.19258	0.12472	0.1277	1.48869536	0.005268784	2.498E-07	0.015590619	0.027023	0.018956429	0.019747	0.01939815	1.555884
356	489438.17	3859821.48	0.20189	0.13193	0.11203	0.37723	0.07894	0.19133	0.12955	0.1319	1.47394785	0.005445015	2.606E-07	0.013903663	0.025901	0.018833386	0.020512	0.02004699	1.538496
357	489488.17	3859821.48	0.19991	0.13636	0.11861	0.34749	0.07384	0.1905	0.13414	0.1364	1.45949237	0.00562785	2.759E-07	0.012807528	0.024228	0.018751686	0.021239	0.02072013	1.521426
358	489538.17	3859821.48	0.19682	0.14155	0.12406	0.32308	0.06949	0.18941	0.13923	0.1416	1.43693306	0.005842052	2.886E-07	0.011907842	0.022801	0.018644393	0.022045	0.02150876	1.496664
359	489588.17	3859821.48	0.19324	0.14718	0.12603	0.31213	0.0748	0.19137	0.14458	0.1472	1.41079639	0.006074414	2.932E-07	0.011504255	0.024543	0.018837324	0.022892	0.02236425	1.472283
360	489238.17	3859871.48	0.22015	0.1113	0.07388	1.15729	0.05307	0.21199	0.10739	0.1113	1.60725949	0.004593574	1.719E-07	0.042654534	0.017413	0.020867034	0.017003	0.01691222	1.692879
361	489288.17	3859871.48	0.21623	0.11418	0.08533	0.63832	0.06011	0.20257	0.10996	0.1142	1.57864056	0.004712437	1.985E-07	0.023526724	0.019723	0.019939785	0.01741	0.01734984	1.646603
362	489338.17	3859871.48	0.21289	0.11693	0.09029	0.48202	0.0709	0.19427	0.11379	0.1169	1.55425607	0.004825935	2.1E-07	0.017765935	0.023263	0.019122782	0.018017	0.01776771	1.619483
363	489388.17	3859871.48	0.21173	0.12067	0.09108	0.41397	0.08001	0.19171	0.11794	0.1207	1.5457872	0.004980293	2.119E-07	0.015257798	0.026252	0.018870791	0.018674	0.01833601	1.611486
364	489438.17	3859871.48	0.21289	0.12598	0.09784	0.36402	0.07973	0.18825	0.12119	0.126	1.55425607	0.005199447	2.276E-07	0.013416778	0.02616	0.018530209	0.019188	0.01914287	1.617609
365	489488.17	3859871.48	0.21093	0.12964	0.10061	0.33109	0.07566	0.18483	0.12448	0.1296	1.5399466	0.005350503	2.341E-07	0.012203069	0.024825	0.018193565	0.019709	0.01969902	1.600529
366	489538.17	3859871.48	0.20635	0.1333	0.10441	0.3144	0.07039	0.18384	0.12936	0.1333	1.50650918	0.005501558	2.429E-07	0.011587921	0.023096	0.018096115	0.020482	0.02025516	1.565018
367	489588.17	3859871.48	0.2005	0.1376	0.11236	0.29938	0.06664	0.18356	0.13485	0.1376	1.46379981	0.005679028	2.614E-07	0.011034325	0.021865	0.018068554	0.021351	0.02090855	1.52089
368	489238.17	3859921.48	0.24008	0.10589	0.07284	1.14142	0.04808	0.20757	0.1025	0.1059	1.75276338	0.004370292	1.695E-07	0.042069609	0.015776	0.020431955	0.016229	0.01609016	1.83555
369	489288.17	3859921.48	0.2308	0.11051	0.07408	0.62491	0.054	0.20618	0.10564	0.1105	1.68501245	0.004560969	1.723E-07	0.023032468	0.017718	0.020295132	0.016726	0.01679218	1.750553
370	489338.17	3859921.48	0.22473	0.11329	0.0835	0.47303	0.06161	0.19861	0.10841	0.1133	1.64069691	0.004675705	1.943E-07	0.017434588	0.020215	0.019549986	0.017165	0.01721461	1.702523
371	489388.17	3859921.48	0.22295	0.11634	0.0811	0.40202	0.07352	0.18797	0.11153	0.1163	1.62770158	0.004801585	1.887E-07	0.014817354	0.024123	0.018502648	0.017659	0.01767806	1.689927
372	489438.17	3859921.48	0.22114	0.11945	0.0835	0.34851	0.07876	0.18528	0.11438	0.1195	1.61448723	0.004929941	1.943E-07	0.012845122	0.025842	0.01823786	0.01811	0.01815063	1.676302
373	489488.17	3859921.48	0.21611	0.12218	0.08641	0.3185	0.07703	0.18511	0.11679	0.1222	1.57776447	0.005042613	2.01E-07	0.011739036	0.025275	0.018221126	0.018492	0.01856546	1.637968
374	489538.17	3859921.48	0.21333	0.12616	0.08819	0.30073	0.07212	0.18263	0.12052	0.1262	1.5574684	0.005206876	2.052E-07	0.011084083	0.023664	0.01797701	0.019082	0.01917022	1.615312
375	489588.17	3859921.48	0.20785	0.12817	0.09562	0.28431	0.06713	0.17666	0.12437	0.1282	1.5174603	0.005289833	2.224E-07	0.010478886	0.022026	0.017389359	0.019692	0.01947565	1.572861
376	489238.17	3859971.48	0.27902	0.09978	0.06358	1.12324	0.04396	0.20652	0.09734	0.0998	2.03705448	0.004118121	1.479E-07	0.041399544	0.014424	0.020328599	0.015412	0.01516174	2.117575
377	489288.17	3859971.48	0.26183	0.10277	0.07008	0.61724	0.04893	0.2038	0.09994	0.1028	1.91155464	0.004241524	1.63E-07	0.022749773	0.016055	0.020060859	0.015824	0.01561607	1.974869
378	489338.17	3859971.48	0.25175	0.10705	0.06976	0.46335	0.05566	0.20141	0.10277	0.1071	1.8379631	0.004418168	1.623E-07	0.01707781	0.018263	0.019825601	0.016272	0.01626643	1.897553
379	489388.17	3859971.48	0.24004	0.11109	0.06674	0.38699	0.06416	0.19511	0.10562	0.1111	1.75247135	0.004584907	1.553E-07	0.014263389	0.021052	0.019205467	0.016723	0.01688031	1.81142
380	489438.17	3859971.48	0.23028	0.11349	0.08444	0.32533	0.07558	0.18524	0.1078	0.1135	1.68121606	0.00468396	1.964E-07	0.011990771	0.024799	0.018233923	0.017068	0.017245	1.740747
381	489488.17	3859971.48	0.22245	0.11247	0.07115	0.28056	0.07791	0.17399	0.11011	0.1125	1.62405121	0.004641862	1.655E-07	0.010340672	0.025563	0.01712654	0.017434	0.01709001	1.682068
382	489538.17	3859971.48	0.21559	0.11396	0.07735	0.2543	0.0744	0.16926	0.11143	0.114	1.57396809	0.004703358	1.799E-07	0.0093728	0.024412	0.016660947	0.017643	0.01731641	1.629444
383	489588.17	3859971.48	0.21098	0.11225	0.07692	0.23708	0.06956	0.16483	0.11204	0.1123	1.54031164	0.004632782	1.789E-07	0.008738118	0.022824	0.016224884	0.017739	0.01705658	1.593414
384	483577.7	3854071	0.21366	0.11444	0.03365	0.49876	0.02792	0.33982	0.2198	0.1144	1.55987764	0.004723168	7.828E-08	0.018382925	0.009161	0.033449858	0.034801	0.01738935	1.643007
385	483627.7	3854071	0.19663	0.10642	0.03154	0.43382	0.02774	0.3078	0.20124	0.1064	1.43554592	0.004392167	7.337E-08	0.015989415	0.009102	0.030298	0.031863	0.0161707	1.511019
386	483677.7	3854071	0.18128	0.09949	0.03236	0.38971	0.02727	0.27877	0.18823	0.0995	1.32347945	0.004106152	7.528E-08	0.014363641	0.008948	0.027440459	0.029803	0.01511767	1.393023
387	483727.7	3854071	0.17056	0.09339	0.03154	0.34864	0.02667	0.2539	0.17697	0.0934	1.24521544	0.003854392	7.337E-08	0.012849914	0.008751	0.024992404	0.02802	0.01419077	1.309492
388	483777.7	3854071	0.16241	0.08517	0.03195	0.30313	0.02576	0.22709	0.16812	0.0852	1.18571435	0.003515137	7.433E-08	0.01117254	0.008452	0.022353388	0.026619	0.01294172	1.244885
389	483577.7	3854121	0.21741	0.11284	0.03565	0.62161	0.02812	0.38974	0.24864	0.1128	1.58725545	0.004657133	8.294E-08	0.022910839	0.009227	0.038363685	0.039368	0.01714623	1.684635
390	483627.7	3854121	0.20172	0.10717	0.0349	0.52147	0.02833	0.34091	0.22228	0.1072	1.47270672	0.004423121	8.119E-08	0.019219953	0.009295	0.033557151	0.035194	0.01628466	1.558112
391	483677.7	3854121	0.18854	0.09762	0.03405	0.44299	0.02842	0.29867	0.20087	0.0976	1.37648287	0.004028973	7.921E-08	0.016327396	0.009325	0.029399297	0.031804	0.01483352	1.452534
392	483727.7	3854121	0.17819	0.08687	0.03485	0.38461	0.02801	0.26462	0.18173	0.0869	1.30092014	0.003585299	8.107E-08	0.014175669	0.00919	0.026047617	0.028774	0.01320004	1.369493
393	483777.7	3854121	0.17173	0.07977	0.03447	0.34395	0.02703	0.24038	0.16981	0.0798	1.25375731	0.003292268	8.019E-08	0.012677053	0.008869	0.023661576	0.026886	0.01212119	1.317022
394	483577.7	3854171	0.22142	0.10892	0.03887	0.81891	0.02911	0.46204	0.27976	0.1089	1.61653144	0.004495347	9.043E-08	0.030182775	0.009551	0.045480467	0.044295	0.01655058	1.733986
395	483627.7	3854171	0.20774	0.09944	0.03847	0.63074	0.02881	0.37691	0.24686	0.0994	1.51665722	0.004104088	8.95E-08	0.023247346	0.009453	0.037100777	0.039086	0.01511008	1.614538
396	483677.7	3854171	0.1961	0.09205	0.03709	0.52803	0.02863	0.32175	0.21902	0.0921	1.43167652	0.003799088	8.629E-08	0.019461737	0.009394	0.031671155	0.034678	0.01398715	1.516693
397	483727.7	3854171	0.18552	0.0855	0.03917	0.45106	0.02902	0.29279	0.19861	0.0855	1.35443462	0.003528756	9.112E-08	0.016624834	0.009522	0.028820505	0.031446	0.01299187	1.431385
398	483777.7	3854171	0.17838	0.07804	0.03874	0.38675	0.0283	0.26168	0.18165	0.078	1.30230728	0.003220867	9.012E-08	0.014254544	0.009286	0.025758221	0.028761	0.01185831	1.371729
399	483827.7	3854171	0.17335	0.07015	0.04026	0.33276	0.02767	0.22952	0.16583	0.0702	1.26558452	0.002895231	9.366E-08	0.01226462	0.009079	0.022592582	0.026256	0.01065941	1.328013
400	483877.7	3854171	0.16734	0.06665	0.04509	0.30443	0.02683	0.20978	0.15896	0.0667	1.22170703	0.002750779	1.049E-07	0.011220454	0.008803	0.020649494	0.025168	0.01012758	1.280172
401	483727.7	3854221	0.19548	0.08255	0.04193	0.54619	0.0289	0.32944	0.22978	0.0826	1.42715006	0.003407004	9.755E-08	0.020131065	0.009482	0.032428112	0.036381	0.01254361	1.516437
402	483777.7	3854221	0.18793	0.07565	0.04424	0.45706	0.02948	0.28403	0.20665	0.0757	1.37202942	0.003122227	1.029E-07	0.016845977	0.009673	0.027958222	0.032719	0.01149514	1.450853
403	483827.7	3854221	0.18135	0.07299	0.0488	0.40997	0.02904	0.26171	0.1924	0.073	1.3239905	0.003012444	1.135E-07	0.015110369	0.009528	0.025761174	0.030463	0.01109095	1.396775
404	483877.7	3854221	0.17686	0.06694	0.05284	0.35618	0.02842	0.23147	0.17319	0.0669	1.29121015	0.002762748	1.229E-07	0.013127817	0.009325	0.022784529	0.027421	0.01017165	1.35646
405	489150.19	3858726.45	0.27415	0.21636	0.15005	1.50738	0.22033	0.56157	0.2157	0.2164	2.00149984	0.008929611	3.491E-07	0.05555789	0.072293	0.055277608	0.034152	0.03287627	2.194834
406	489200.19	3858726.45	0.26567	0.20509	0.15525	2.519	0.2284	0.49721	0.20261	0.2051	1.9395895	0.008464475	3.612E-07	0.092843428	0.074941	0.048942392	0.03208	0.03116377	2.165697
407	489150.19	3858776.45	0.27789	0.23818	0.13408	1.78326	0.23805	0.66379	0.24121	0.2382	2.02880464	0.009830166	3.119E-07	0.06572607	0.078107	0.065339536	0.038191	0.03619185	2.249807
408	489200.19	3858776.45	0.26862	0.22526	0.139	2.72963	0.20655	0.56677	0.22487	0.2253	1.96112671	0.009296932	3.234E-07	0.100606671	0.067772	0.055789465	0.035604	0.03422864	2.195967
409	488919.6	3856400.76	0.15859	0.0486	0.0878	0.12322	0.6986	0.10469	0.06815	0.0486	1.1578255	0.002005819	2.043E-07	0.004541551	0.22922	0.01030506	0.01079	0.00738485	1.407304

410	488919.6	3856450.76	0.1591	0.04991	0.08558	0.12658	0.78407	0.10705	0.06983	0.0499	1.16154888	0.002059886	1.991E-07	0.004665391	0.257264	0.010537365	0.011056	0.00758391	1.439548
411	488969.6	3856450.76	0.15821	0.04946	0.08636	0.12463	0.79048	0.1056	0.06866	0.0495	1.15505121	0.002041313	2.009E-07	0.00459352	0.259367	0.010394635	0.010871	0.00751553	1.434804
412	488919.6	3856500.76	0.15948	0.05094	0.0853	0.12873	0.9449	0.10926	0.071	0.0509	1.16432316	0.002102396	1.984E-07	0.004744635	0.310034	0.010754904	0.011242	0.00774042	1.495461
413	488969.6	3856500.76	0.1583	0.05067	0.08466	0.12738	0.95175	0.10825	0.06983	0.0507	1.15570828	0.002091252	1.97E-07	0.004694877	0.312282	0.010655486	0.011056	0.00769939	1.488789
414	488919.6	3856550.76	0.159	0.05242	0.09131	0.13051	1.01669	0.11153	0.07163	0.0524	1.1608188	0.002163478	2.124E-07	0.00481024	0.33359	0.010978349	0.011341	0.00796531	1.515737
415	488969.6	3856550.76	0.15803	0.05198	0.08722	0.1292	0.9744	0.1101	0.07056	0.052	1.15373708	0.002145319	2.029E-07	0.004761957	0.319714	0.010837589	0.011172	0.00789845	1.494469
416	488819.6	3856600.76	0.16191	0.05451	0.09021	0.13509	1.14225	0.1162	0.07408	0.0545	1.18206398	0.002249737	2.099E-07	0.004979047	0.374788	0.011438036	0.011729	0.00828289	1.578965
417	488869.6	3856600.76	0.16086	0.05406	0.08995	0.1362	1.10481	0.11493	0.07302	0.0541	1.17439819	0.002231165	2.093E-07	0.005019958	0.362503	0.011313025	0.011561	0.00821451	1.558812
418	488919.6	3856600.76	0.1597	0.05376	0.08832	0.13415	1.07297	0.11372	0.07225	0.0538	1.16592933	0.002218783	2.055E-07	0.004944401	0.352056	0.01119392	0.011439	0.00816892	1.539613
419	488819.6	3856650.76	0.16282	0.05598	0.09293	0.13767	1.27315	0.11789	0.07489	0.056	1.18870766	0.002310407	2.162E-07	0.005074138	0.417738	0.01160439	0.011857	0.00850626	1.628786
420	488869.6	3856650.76	0.16173	0.05544	0.08527	0.13831	1.26704	0.11669	0.07389	0.0554	1.18074984	0.00228812	1.984E-07	0.005097727	0.415733	0.011486269	0.011699	0.0084242	1.61863
421	488819.6	3856700.76	0.16359	0.05741	0.09157	0.14	1.42667	0.11967	0.07567	0.0574	1.19432923	0.002369426	2.13E-07	0.005160016	0.46811	0.011779602	0.011981	0.00872355	1.685006
422	488869.6	3856700.76	0.16251	0.0568	0.08669	0.14053	1.39734	0.11853	0.07474	0.0568	1.18644442	0.00234425	2.017E-07	0.00517955	0.458486	0.011667388	0.011834	0.00863086	1.667325
423	488819.6	3856750.76	0.1644	0.05854	0.09085	0.14228	1.52301	0.12162	0.07684	0.0585	1.20024284	0.002416063	2.114E-07	0.00524405	0.49972	0.011971549	0.012166	0.00889525	1.722866
424	488869.6	3856750.76	0.16313	0.05816	0.08614	0.14288	1.4902	0.12066	0.07583	0.0582	1.19097089	0.00240038	2.004E-07	0.005266165	0.488955	0.011877052	0.012006	0.00883751	1.702638
425	488819.6	3857050.76	0.17458	0.06612	0.0927	0.16137	1.97273	0.14544	0.08234	0.0661	1.27456444	0.002728905	2.157E-07	0.005947655	0.647279	0.014316248	0.013037	0.01004705	1.947827
426	488869.6	3857050.76	0.17258	0.0656	0.09333	0.15925	1.88685	0.14545	0.08119	0.0656	1.25996295	0.002707443	2.171E-07	0.005869518	0.619101	0.014317232	0.012855	0.00996803	1.904845
427	488919.6	3857050.76	0.17069	0.06459	0.08948	0.15722	1.81294	0.14414	0.08029	0.0646	1.24616454	0.002665759	2.082E-07	0.005794698	0.59485	0.014188284	0.012712	0.00981456	1.866561
428	488819.6	3857100.76	0.17658	0.0679	0.08882	0.16541	2.0034	0.15309	0.08354	0.0679	1.28916594	0.002802369	2.066E-07	0.006096559	0.657343	0.015069268	0.013227	0.01031752	1.973386
429	488869.6	3857100.76	0.17423	0.0674	0.08805	0.16267	1.9173	0.15006	0.08239	0.0674	1.27200918	0.002781733	2.048E-07	0.00599557	0.629092	0.014771013	0.013045	0.01024154	1.927453
430	488919.6	3857100.76	0.17141	0.06677	0.0869	0.16005	1.84628	0.14866	0.08125	0.0668	1.25142107	0.002755732	2.022E-07	0.005899004	0.605789	0.014633205	0.012864	0.01014581	1.883217
431	488819.6	3857150.76	0.17761	0.06944	0.08812	0.17023	2.10875	0.15843	0.08509	0.0694	1.29668571	0.002865928	2.05E-07	0.006274211	0.691909	0.015594906	0.013472	0.01055152	2.016251
432	488869.6	3857150.76	0.17515	0.06908	0.09077	0.16755	2.01678	0.15503	0.08387	0.0691	1.27872587	0.00285107	2.112E-07	0.006175433	0.661733	0.01526023	0.013279	0.01049682	1.967528
433	488919.6	3857150.76	0.1728	0.06849	0.08617	0.1636	1.94518	0.15217	0.08264	0.0685	1.26156911	0.00282672	2.005E-07	0.006029847	0.63824	0.014978709	0.013085	0.01040717	1.926322
434	488969.6	3857150.76	0.17031	0.06772	0.08738	0.16045	1.86703	0.15001	0.08146	0.0677	1.24339025	0.00279494	2.033E-07	0.005913747	0.612598	0.014766091	0.012898	0.01029017	1.882071
435	488819.6	3857200.76	0.17844	0.07081	0.08973	0.17451	2.13505	0.16427	0.0868	0.0708	1.30274533	0.002922471	2.087E-07	0.00643196	0.700539	0.016169761	0.013743	0.0107597	2.031792
436	488869.6	3857200.76	0.17596	0.07071	0.08627	0.1717	2.04056	0.16075	0.08553	0.0707	1.28463947	0.002918343	2.007E-07	0.006328391	0.669535	0.015823273	0.013542	0.0107445	1.982043
437	488919.6	3857200.76	0.17362	0.07023	0.09178	0.16894	1.95628	0.15786	0.08404	0.0702	1.26755573	0.002898533	2.135E-07	0.006226665	0.641882	0.015538799	0.013306	0.01067157	1.936736
438	488969.6	3857200.76	0.17129	0.06963	0.09666	0.16602	1.87983	0.15572	0.08293	0.0696	1.25054499	0.00287377	2.249E-07	0.006119042	0.616798	0.01532815	0.01313	0.0105804	1.894214
439	488819.6	3857250.76	0.17908	0.07192	0.09031	0.17896	2.17185	0.17037	0.0886	0.0719	1.30741781	0.002968283	2.101E-07	0.006595975	0.712613	0.016770209	0.014028	0.01092836	2.049466
440	488869.6	3857250.76	0.17646	0.07221	0.09665	0.17552	2.05037	0.16744	0.08728	0.0722	1.28828985	0.002980251	2.248E-07	0.006469186	0.672754	0.016481797	0.013819	0.01097243	1.989822
441	488919.6	3857250.76	0.17396	0.07188	0.10223	0.17347	1.95215	0.16527	0.08585	0.0719	1.27003798	0.002966632	2.378E-07	0.006393628	0.640527	0.016268195	0.013593	0.01092229	1.938864
442	488969.6	3857250.76	0.17159	0.07139	0.1145	0.17058	1.86466	0.16278	0.08446	0.0714	1.25273521	0.002946408	2.664E-07	0.006287111	0.61182	0.016023094	0.013373	0.01084783	1.892337
443	488819.6	3857300.76	0.18036	0.07347	0.10598	0.18378	2.23016	0.1762	0.09023	0.0735	1.31676276	0.003032254	2.466E-07	0.006773626	0.731746	0.017344079	0.014286	0.01116389	2.078781
444	488869.6	3857300.76	0.17767	0.07342	0.11766	0.18011	2.11096	0.17297	0.08897	0.0734	1.29712375	0.003030191	2.737E-07	0.00663836	0.692634	0.017026137	0.014087	0.01115629	2.019384
445	488919.6	3857300.76	0.17518	0.07345	0.12016	0.17817	2.00383	0.17059	0.08748	0.0735	1.27894489	0.003031429	2.795E-07	0.006566857	0.657484	0.016791864	0.013851	0.01116085	1.965509
446	488819.6	3857450.76	0.19074	0.0808	0.16251	0.20187	1.91411	0.20192	0.09622	0.0808	1.39254452	0.003334778	3.781E-07	0.007440374	0.628045	0.019875803	0.015235	0.0122777	2.054198
447	488869.6	3857450.76	0.18828	0.08034	0.17656	0.19699	1.80256	0.1975	0.09433	0.0803	1.37458468	0.003315793	4.107E-07	0.007260511	0.591444	0.019440724	0.014935	0.0122078	1.998774
448	488919.6	3857450.76	0.18573	0.0801	0.18358	0.19419	1.70125	0.1947	0.09263	0.0801	1.35596777	0.003305888	4.271E-07	0.007157311	0.558203	0.019165109	0.014666	0.01217133	1.946295
449	488819.6	3857500.76	0.19414	0.08232	0.19137	0.20867	1.85181	0.21397	0.09815	0.0823	1.41736706	0.003397511	4.452E-07	0.007691004	0.607604	0.021061933	0.01554	0.01250866	2.060153
450	488869.6	3857500.76	0.19147	0.08279	0.19624	0.20335	1.77125	0.2115	0.09629	0.0828	1.39787406	0.003416909	4.565E-07	0.007494923	0.581171	0.020818801	0.015246	0.01258008	2.013442
451	488919.6	3857500.76	0.1889	0.0824	0.20547	0.20025	1.69589	0.20865	0.09449	0.0824	1.37911114	0.003400813	4.78E-07	0.007380665	0.556444	0.020538264	0.014961	0.01252082	1.969316
452	488819.6	3857550.76	0.19785	0.08451	0.2319	0.21575	1.68601	0.23057	0.10046	0.0845	1.44445283	0.003487897	5.395E-07	0.007951953	0.553203	0.022695938	0.015906	0.01284144	2.034856
453	488869.6	3857550.76	0.19506	0.08428	0.24636	0.21007	1.62344	0.22578	0.09845	0.0843	1.42408375	0.003478404	5.731E-07	0.007742604	0.532673	0.022224439	0.015588	0.01280649	1.992984
454	488919.6	3857550.76	0.19209	0.08484	0.23674	0.2066	1.53151	0.21989	0.09658	0.0848	1.40240053	0.003501517	5.507E-07	0.007614709	0.502509	0.021644663	0.015292	0.01289158	1.940071
455	489663.71	3860900.05	0.10498	0.06071	0.01914	0.2102	0.01756	0.11241	0.05769	0.0607	0.76643244	0.002505623	4.453E-08	0.007747395	0.005762	0.011064971	0.009134	0.00922499	0.793421
456	489813.71	3860900.05	0.09553	0.06251	0.01824	0.18417	0.02763	0.10326	0.05978	0.0625	0.69744038	0.002579913	4.243E-08	0.006788001	0.009066	0.0101643	0.009465	0.0094985	0.726005
457	489863.71	3860900.05	0.09365	0.06361	0.01867	0.17581	0.03185	0.10145	0.06068	0.0636	0.68371497	0.002625312	4.343E-08	0.006479874	0.01045	0.009986134	0.009608	0.00966565	0.713199
458	489913.71	3860900.05	0.09187	0.06503	0.0188	0.16798	0.03637	0.09998	0.06149	0.065	0.67071964	0.002683918	4.374E-08	0.006191282	0.011933	0.009841436	0.009736	0.00988142	0.701224
459	489963.71	3860900.05	0.08998	0.06547	0.01869	0.16149	0.04102	0.0983	0.06208	0.0655	0.65692123	0.002702078	4.348E-08	0.005952078	0.013459	0.009676067	0.009829	0.00994828	0.688592
460	490013.71	3860900.05	0.08839	0.06613	0.01725	0.15824	0.04292	0.09695	0.06287	0.0661	0.64531304	0.002729318	4.013E-08	0.005832292	0.014083	0.009543181	0.009954	0.01004856	0.677406
461	490063.71	3860900.05	0.08792	0.06675	0.017	0.15432	0.04774	0.09556	0.06357	0.0668	0.64188169	0.002754906	3.955E-08	0.005687812	0.015664	0.009406358	0.010065	0.01014277	0.675317
462	489663.71	3860950.05	0.09849	0.05783	0.01838	0.20942	0.01582	0.11029	0.0558	0.0578	0.71905059	0.00238676	4.276E-08	0.007718647	0.005191	0.010856291	0.008835	0.00878737	0.745251
463	489813.71	3860950.05	0.09191	0.06105	0.01732	0.18138	0.02565	0.10295	0.05882	0.0611	0.67101167	0.002519656	4.029E-08	0.006685169	0.008416	0.010133785	0.009313	0.00927665	0.698803
464	489863.71	3860950.05	0.08934	0.06169	0.0177	0.17394	0.02862	0.10112	0.05971	0.0617	0.65224875	0.00254607	4.118E-08	0.006410951	0.009391	0.009953651	0.009454	0.0093739	0.68063
465	489913.71	3860950.05	0.0887	0.06293	0.01781	0.16737	0.03294	0.10011	0.06062	0.0629	0.64757628	0.002597247	4.143E-08	0.006168799	0.010808	0.009854232	0.009598	0.00956232	0.67704
466	489963.71	3860950.05	0.08811	0.06415	0.01793	0.16056	0.03742	0.0983	0.06126	0.0642	0.64326883	0.002647599	4.171E-08	0.005917801	0.012278	0.009676067	0.009699	0.0097477	0.67374
467	490013.71	3860950.05	0.08723	0.06485	0.01676	0.15623	0.04064	0.09698	0.06198	0.0649	0.63684418	0.002676489	3.899E-08	0.005758209	0.013335	0.009546134	0.009813	0.00985407	0.668119
468	490063.71	3860950.05	0.08489	0.06549	0.01664	0.15209	0.04294	0.09535	0.06273	0.0655	0.61976043	0.002702904	3.871E-08	0.00560562	0.014089	0.009385686	0.009932	0.00995132	0.651525

469	489513.71	3861000.05	0.10019	0.0541	0.01707	0.26372	0.01209	0.12416	0.05301	0.0541	0.73146186	0.002232815	3.971E-08	0.009719996	0.003967	0.012221571	0.008393	0.00822059	0.759776
470	489563.71	3861000.05	0.09737	0.05501	0.01922	0.24082	0.01262	0.12209	0.05353	0.055	0.71087375	0.002270373	4.471E-08	0.008875964	0.004141	0.012017813	0.008476	0.00835886	0.738295
471	489613.71	3861000.05	0.09504	0.05604	0.01776	0.22433	0.01286	0.11827	0.05416	0.056	0.69386301	0.002312883	4.132E-08	0.008268188	0.00422	0.011641795	0.008575	0.00851537	0.720365
472	489663.71	3861000.05	0.09476	0.05694	0.01765	0.21008	0.01423	0.11463	0.05479	0.0569	0.6918188	0.002350028	4.106E-08	0.007742972	0.004669	0.011283495	0.008675	0.00865213	0.717887
473	489713.71	3861000.05	0.09251	0.05734	0.01743	0.19902	0.01648	0.10879	0.05562	0.0573	0.67539212	0.002366537	4.055E-08	0.007335331	0.005407	0.01070864	0.008806	0.00871291	0.701303
474	489763.71	3861000.05	0.09056	0.0578	0.01676	0.18906	0.01879	0.10403	0.05659	0.0578	0.66115567	0.002385522	3.899E-08	0.006968233	0.006165	0.010240094	0.00896	0.00878281	0.687092
475	489813.71	3861000.05	0.08754	0.05842	0.01677	0.18056	0.02317	0.10162	0.05757	0.0584	0.63910741	0.00241111	3.901E-08	0.006654946	0.007602	0.010002868	0.009115	0.00887702	0.666017
476	489863.71	3861000.05	0.08435	0.05881	0.01682	0.17236	0.02592	0.0992	0.05817	0.0588	0.61581803	0.002427207	3.913E-08	0.006352717	0.008505	0.009764657	0.00921	0.00893628	0.643141
477	489913.71	3861000.05	0.08238	0.05947	0.01693	0.1664	0.02971	0.09777	0.05892	0.0595	0.60143555	0.002454446	3.939E-08	0.006133047	0.009748	0.009623897	0.009329	0.00903657	0.629688
478	489963.71	3861000.05	0.08346	0.06104	0.01701	0.16002	0.03394	0.09658	0.05971	0.061	0.60932036	0.002519243	3.957E-08	0.005897898	0.011136	0.00950676	0.009454	0.00927513	0.638559
479	490013.71	3861000.05	0.08358	0.0629	0.01605	0.15535	0.03837	0.09527	0.06073	0.0629	0.61019645	0.002596009	3.734E-08	0.005725775	0.01259	0.009377812	0.009615	0.00955776	0.640544
480	490063.71	3861000.05	0.08304	0.06429	0.01621	0.15061	0.04033	0.09404	0.06178	0.0643	0.60625405	0.002653377	3.771E-08	0.005551071	0.013233	0.009256738	0.009782	0.00976897	0.636961
481	489513.71	3861050.05	0.09831	0.05273	0.01811	0.26615	0.01112	0.11576	0.05229	0.0527	0.71773646	0.002176273	4.213E-08	0.009809559	0.003649	0.011394725	0.008279	0.00801241	0.745032
482	489563.71	3861050.05	0.09441	0.05358	0.01775	0.24194	0.01201	0.11343	0.0528	0.0536	0.68926354	0.002211354	4.129E-08	0.008917244	0.003941	0.011165374	0.00836	0.00814157	0.715717
483	489613.71	3861050.05	0.09224	0.05465	0.01715	0.22484	0.01253	0.11237	0.05346	0.0547	0.67342092	0.002255515	3.99E-08	0.008286985	0.004111	0.011061034	0.008464	0.00830416	0.699296
484	489663.71	3861050.05	0.0905	0.05563	0.01687	0.21007	0.01298	0.11171	0.05398	0.0556	0.66071762	0.002295962	3.925E-08	0.007742604	0.004259	0.010996067	0.008547	0.00845307	0.686105
485	489713.71	3861050.05	0.08955	0.05644	0.01667	0.19759	0.01484	0.10896	0.05457	0.0564	0.65378191	0.002329392	3.878E-08	0.007282625	0.004869	0.010725374	0.00864	0.00857615	0.679053
486	489763.71	3861050.05	0.08862	0.05682	0.01623	0.18845	0.01691	0.10578	0.05545	0.0568	0.64699222	0.002345075	3.776E-08	0.00694575	0.005548	0.010412353	0.008779	0.00863389	0.672389
487	489813.71	3861050.05	0.08594	0.05741	0.01624	0.17989	0.01973	0.10238	0.05633	0.0574	0.62742621	0.002369426	3.778E-08	0.006630252	0.006474	0.010077678	0.008919	0.00872355	0.653173
488	489863.71	3861050.05	0.08215	0.05777	0.01624	0.17164	0.02403	0.09976	0.05707	0.0578	0.59975638	0.002384284	3.778E-08	0.006326179	0.007885	0.009819781	0.009036	0.00877825	0.626429
489	489913.71	3861050.05	0.07898	0.05826	0.01613	0.16484	0.0267	0.09699	0.05765	0.0583	0.57661301	0.002404507	3.752E-08	0.00607555	0.008761	0.009547118	0.009128	0.0088527	0.603676
490	489963.71	3861050.05	0.07675	0.05877	0.01619	0.15844	0.03071	0.09485	0.05838	0.0588	0.56033235	0.002425556	3.766E-08	0.005839664	0.010076	0.009336469	0.009243	0.0089302	0.588324
491	490013.71	3861050.05	0.07723	0.05984	0.01547	0.15309	0.03492	0.09378	0.05924	0.0598	0.56383671	0.002469717	3.599E-08	0.005642477	0.011458	0.009231145	0.00938	0.00909279	0.592925
492	490063.71	3861050.05	0.07804	0.06102	0.01572	0.14901	0.0381	0.09234	0.06008	0.061	0.56975031	0.002518418	3.657E-08	0.0054921	0.012501	0.0090894	0.009513	0.00927209	0.599592
493	489513.71	3861100.05	0.09781	0.05148	0.01969	0.26669	0.01008	0.10901	0.05138	0.0515	0.71408608	0.002124683	4.581E-08	0.009829462	0.003307	0.010730295	0.008135	0.00782247	0.740391
494	489563.71	3861100.05	0.09367	0.05224	0.0169	0.2422	0.01132	0.10841	0.05207	0.0522	0.68386099	0.002156049	3.932E-08	0.008926827	0.003714	0.010671235	0.008244	0.00793796	0.709636
495	489613.71	3861100.05	0.09034	0.05302	0.01615	0.22288	0.01197	0.10734	0.05251	0.053	0.6595495	0.002188242	3.757E-08	0.008214745	0.003928	0.010565911	0.008314	0.00805648	0.684703
496	489663.71	3861100.05	0.08774	0.05402	0.01613	0.2083	0.01231	0.10542	0.05309	0.054	0.64056756	0.002229514	3.752E-08	0.007677366	0.004039	0.010376917	0.008406	0.00820843	0.665088
497	489713.71	3861100.05	0.08604	0.05506	0.01585	0.19602	0.01335	0.10293	0.05367	0.0551	0.62815629	0.002272437	3.687E-08	0.007224759	0.00438	0.010131816	0.008498	0.00836646	0.652297
498	489763.71	3861100.05	0.0849	0.05586	0.01574	0.18754	0.01545	0.10128	0.05429	0.0559	0.61983344	0.002305454	3.662E-08	0.00691221	0.005069	0.0099694	0.008596	0.00848802	0.644198
499	489813.71	3861100.05	0.08391	0.05625	0.01574	0.17831	0.01766	0.09906	0.05514	0.0563	0.6126057	0.00232155	3.662E-08	0.006572017	0.005794	0.009750877	0.00873	0.00854728	0.637228
500	489863.71	3861100.05	0.08153	0.05692	0.01573	0.17051	0.02107	0.09674	0.05607	0.0569	0.59522992	0.002349202	3.659E-08	0.006284531	0.006913	0.00952251	0.008878	0.00864909	0.620528
501	489913.71	3861100.05	0.07749	0.05726	0.01565	0.16321	0.02437	0.09603	0.05669	0.0573	0.5657349	0.002363235	3.641E-08	0.006015473	0.007996	0.009452622	0.008976	0.00870075	0.591837
502	489963.71	3861100.05	0.07457	0.05776	0.01547	0.15698	0.0277	0.09481	0.05735	0.0578	0.54441672	0.002383871	3.599E-08	0.005785852	0.009089	0.009332532	0.00908	0.00877673	0.571311
503	490013.71	3861100.05	0.0731	0.05825	0.01478	0.15153	0.0317	0.09232	0.05802	0.0583	0.53368462	0.002404094	3.438E-08	0.00558498	0.010401	0.009087431	0.009186	0.00885119	0.561498
504	490063.71	3861100.05	0.07302	0.05914	0.0154	0.14682	0.03586	0.0918	0.05878	0.0591	0.53310056	0.002440826	3.583E-08	0.005411382	0.011766	0.009036245	0.009307	0.00898642	0.562076
505	489713.71	3861150.05	0.08452	0.05364	0.01509	0.19524	0.01216	0.10002	0.05329	0.0536	0.61705915	0.00221383	3.511E-08	0.007196011	0.00399	0.009845373	0.008438	0.00815069	0.640591
506	489763.71	3861150.05	0.08319	0.05468	0.01518	0.18678	0.01392	0.0978	0.05394	0.0547	0.60734916	0.002256753	3.531E-08	0.006884198	0.004567	0.00962685	0.00854	0.00830872	0.630916
507	489813.71	3861150.05	0.08204	0.05543	0.01529	0.17724	0.01592	0.09621	0.05451	0.0554	0.5989533	0.002287707	3.557E-08	0.00653258	0.005224	0.00947034	0.008631	0.00842268	0.622676
508	489863.71	3861150.05	0.08072	0.05572	0.01526	0.1688	0.01842	0.09407	0.05535	0.0557	0.58931631	0.002299676	3.55E-08	0.006221505	0.006044	0.009259691	0.008764	0.00846675	0.613438
509	489913.71	3861150.05	0.07703	0.05631	0.01518	0.16127	0.02241	0.09243	0.05609	0.0563	0.56237656	0.002324027	3.531E-08	0.00594397	0.007353	0.009098259	0.008881	0.0085564	0.58742
510	489963.71	3861150.05	0.07318	0.05674	0.01503	0.15587	0.02491	0.09132	0.05669	0.0567	0.53426868	0.002341774	3.497E-08	0.00574494	0.008173	0.008988997	0.008976	0.00862174	0.559872
511	490013.71	3861150.05	0.07063	0.05723	0.01407	0.15082	0.02865	0.09058	0.05733	0.0572	0.51565177	0.002361997	3.273E-08	0.005558811	0.0094	0.008916156	0.009077	0.00869619	0.54227
512	490063.71	3861150.05	0.06964	0.05782	0.01478	0.14575	0.03264	0.08872	0.05807	0.0578	0.50842403	0.002386347	3.438E-08	0.005371945	0.01071	0.008733069	0.009194	0.00878585	0.536034
513	489613.71	3861200.05	0.08792	0.05098	0.01684	0.22147	0.01061	0.09653	0.05139	0.051	0.64188169	0.002104047	3.918E-08	0.008162776	0.003481	0.009501839	0.008137	0.0077465	0.665522
514	489663.71	3861200.05	0.08484	0.0514	0.0149	0.20683	0.01137	0.09402	0.05212	0.0514	0.61939539	0.002121381	3.466E-08	0.007623186	0.003731	0.009254769	0.008252	0.00781032	0.642567
515	489713.71	3861200.05	0.08311	0.05202	0.01458	0.19449	0.01172	0.09317	0.0528	0.052	0.6067651	0.00214697	3.392E-08	0.007168368	0.003845	0.0091711	0.00836	0.00790453	0.629552
516	489763.71	3861200.05	0.08123	0.05299	0.01465	0.18537	0.01256	0.09192	0.05344	0.053	0.59303969	0.002187003	3.408E-08	0.00683223	0.004121	0.009048058	0.008461	0.00805192	0.615637
517	489813.71	3861200.05	0.08056	0.05401	0.01478	0.17623	0.01446	0.09125	0.05403	0.054	0.58814819	0.002229101	3.438E-08	0.006495354	0.004745	0.008982107	0.008555	0.00820691	0.610947
518	489863.71	3861200.05	0.07954	0.05474	0.01484	0.16797	0.01662	0.09132	0.05465	0.0547	0.58070143	0.002259229	3.452E-08	0.006190913	0.005453	0.008988997	0.008653	0.00831784	0.603929
519	489913.71	3861200.05	0.07786	0.05539	0.01475	0.16061	0.01921	0.09075	0.05576	0.0554	0.56843618	0.002286056	3.431E-08	0.005919644	0.006303	0.00893289	0.008829	0.0084166	0.59229
520	489963.71	3861200.05	0.07337	0.05592	0.01462	0.15549	0.02289	0.08936	0.05635	0.0559	0.53565582	0.00230793	3.401E-08	0.005730935	0.007511	0.008796066	0.008922	0.00849714	0.560426
521	490013.71	3861200.05	0.06908	0.05644	0.01385	0.1506	0.02586	0.08877	0.05697	0.0564	0.50433562	0.002329392	3.222E-08	0.005550703	0.008485	0.00873799	0.00902	0.00857615	0.529883
522	490063.71	3861200.05	0.06642	0.05697	0.01404	0.14525	0.02961	0.08777	0.05764	0.057	0.48491563	0.002351266	3.266E-08	0.005353516	0.009715	0.008639556	0.009126	0.00865669	0.511445
523	489513.71	3861250.05	0.08683	0.0501	0.01943	0.26206	0.00951	0.09545	0.04964	0.0501	0.63392388	0.002067727	4.52E-08	0.009658812	0.00312	0.00939553	0.00786	0.00761278	0.658413
524	489563.71	3861250.05	0.08706	0.05056	0.01946	0.23982	0.00909	0.09416	0.05038	0.0506	0.63560305	0.002086713	4.527E-08	0.008839107	0.002983	0.00926855	0.007977	0.00768268	0.659074
525	489613.71	3861250.05	0.08685	0.051	0.01793	0.22143	0.00973	0.09252	0.0511	0.051	0.63406989	0.002104872	4.171E-08	0.008161302	0.003193	0.009107118	0.008091	0.00774954	0.656977
526	489663.71	3861250.05	0.08409	0.05141	0.01561	0.20633	0.01086	0.09122	0.05181	0.0514	0.61391983	0.002121794	3.631E-08	0.007604758	0.003563	0.008979154	0.008203	0.00781184	0.63658
527	489713.71	3861250.05	0.08161	0.05185	0.01416	0.19381	0.01136	0.08963	0.05254	0.0519	0.59581398	0.002139953	3.294E-08	0.007143305	0.003727	0.008822644	0.008319	0.00787869	0.618087

528	489763.71	3861250.05	0.07964	0.0523	0.01419	0.1837	0.01142	0.08703	0.05327	0.0523	0.58143151	0.002158526	3.301E-08	0.006770678	0.003747	0.008566715	0.008434	0.00794707	0.603162
529	489813.71	3861250.05	0.07755	0.05274	0.01424	0.1755	0.01309	0.08463	0.05387	0.0527	0.56617294	0.002176685	3.313E-08	0.006468448	0.004295	0.008330473	0.008529	0.00801393	0.587959
530	489863.71	3861250.05	0.07676	0.05365	0.01437	0.16726	0.01495	0.08397	0.05439	0.0537	0.56040535	0.002214243	3.343E-08	0.006164745	0.004905	0.008265507	0.008612	0.00815221	0.582415
531	489913.71	3861250.05	0.07646	0.05437	0.01435	0.16029	0.01731	0.08437	0.05505	0.0544	0.55821513	0.002243959	3.338E-08	0.00590785	0.00568	0.008304881	0.008716	0.00826161	0.580806
532	489963.71	3861250.05	0.07432	0.05479	0.01424	0.15537	0.02044	0.08452	0.0558	0.0548	0.54259153	0.002261293	3.313E-08	0.005726512	0.006707	0.008319646	0.008835	0.00832543	0.566115
533	490013.71	3861250.05	0.07004	0.05533	0.01378	0.15063	0.02333	0.08446	0.05641	0.0553	0.51134433	0.00228358	3.206E-08	0.005551808	0.007655	0.00831374	0.008931	0.00840749	0.535672
534	490063.71	3861250.05	0.06616	0.05583	0.01315	0.14465	0.02679	0.08461	0.05703	0.0558	0.48301743	0.002304216	3.059E-08	0.005331402	0.00879	0.008328505	0.00903	0.00848346	0.508318
535	489528.13	3861308.47	0.08184	0.04992	0.01744	0.25482	0.00937	0.09028	0.04956	0.0499	0.59749315	0.002060298	4.057E-08	0.009391966	0.003074	0.008886626	0.007847	0.00758543	0.621168
536	489578.13	3861308.47	0.08256	0.05065	0.01816	0.23345	0.00883	0.0895	0.05027	0.0507	0.60274969	0.002090427	4.225E-08	0.008604326	0.002897	0.008809847	0.007959	0.00769635	0.625415
537	489628.13	3861308.47	0.08288	0.0511	0.0187	0.21604	0.00906	0.08738	0.051	0.0511	0.60508593	0.002108999	4.35E-08	0.007962642	0.002973	0.008601167	0.008075	0.00776473	0.627042
538	489678.13	3861308.47	0.08176	0.05152	0.01643	0.20188	0.01018	0.08596	0.05173	0.0515	0.59690909	0.002126334	3.822E-08	0.007440743	0.00334	0.008461391	0.008191	0.00782855	0.61864
539	489728.13	3861308.47	0.08026	0.05197	0.01417	0.18991	0.01088	0.08536	0.05245	0.052	0.58595797	0.002144906	3.296E-08	0.006999561	0.00357	0.00840233	0.008305	0.00789693	0.607482
540	489778.13	3861308.47	0.07819	0.05237	0.01371	0.18007	0.01104	0.0847	0.05318	0.0524	0.57084542	0.002161415	3.189E-08	0.006636886	0.003622	0.008337364	0.00842	0.00795771	0.592066
541	489678.13	3861358.47	0.0786	0.05096	0.01783	0.20147	0.0093	0.0829	0.05094	0.051	0.57383873	0.002103221	4.148E-08	0.007425631	0.003051	0.008160182	0.008065	0.00774346	0.594901
542	489728.13	3861358.47	0.07788	0.05135	0.01518	0.18937	0.0104	0.08257	0.05162	0.0514	0.56858219	0.002119317	3.531E-08	0.006979659	0.003412	0.008127699	0.008173	0.00780272	0.589592
543	489528.13	3861408.47	0.0734	0.04821	0.01585	0.25384	0.00869	0.08567	0.04814	0.0482	0.53587484	0.001989723	3.687E-08	0.009355846	0.002851	0.008432845	0.007622	0.00732559	0.558801
544	489578.13	3861408.47	0.07469	0.0489	0.01563	0.23245	0.00882	0.08382	0.04879	0.0489	0.54529281	0.002018201	3.636E-08	0.008567469	0.002894	0.008250742	0.007725	0.00743044	0.567318
545	489628.13	3861408.47	0.0763	0.04962	0.01657	0.21586	0.00847	0.08344	0.04953	0.0496	0.55704701	0.002047917	3.855E-08	0.007956007	0.002779	0.008213337	0.007842	0.00753984	0.578346
546	489678.13	3861408.47	0.07608	0.05033	0.01772	0.20108	0.00852	0.08313	0.05023	0.0503	0.55544085	0.00207722	4.122E-08	0.007411257	0.002796	0.008182822	0.007953	0.00764773	0.576213
547	489728.13	3861408.47	0.07554	0.05085	0.01653	0.18866	0.00962	0.08163	0.05092	0.0509	0.55149844	0.002098681	3.846E-08	0.00695349	0.003156	0.008035171	0.008062	0.00772674	0.572078
548	489528.13	3861458.47	0.06732	0.04756	0.01443	0.25439	0.00823	0.08386	0.04756	0.0476	0.4914863	0.001962897	3.357E-08	0.009376117	0.0027	0.008254679	0.00753	0.00722682	0.514084
549	489578.13	3861458.47	0.07034	0.04817	0.01444	0.23266	0.00864	0.08341	0.04811	0.0482	0.51353456	0.001988072	3.359E-08	0.008575209	0.002835	0.008210384	0.007617	0.00731951	0.535441
550	489628.13	3861458.47	0.07225	0.04884	0.01539	0.21499	0.00845	0.08328	0.04883	0.0488	0.52747898	0.002015725	3.58E-08	0.007923941	0.002773	0.008197587	0.007731	0.00742132	0.548699
551	489678.13	3861458.47	0.0735	0.04956	0.01619	0.20027	0.00819	0.08276	0.04956	0.0496	0.53660492	0.002045441	3.766E-08	0.007381403	0.002687	0.008146402	0.007847	0.00753073	0.557182
552	489728.13	3861458.47	0.07306	0.05029	0.01729	0.18751	0.00872	0.08173	0.05031	0.0503	0.53339259	0.002075569	4.022E-08	0.006911104	0.002861	0.008045015	0.007966	0.00764165	0.553609
553	489528.13	3861508.47	0.06301	0.04741	0.01384	0.25411	0.00786	0.08312	0.04716	0.0474	0.46002008	0.001956706	3.22E-08	0.009365797	0.002579	0.008181838	0.007467	0.00720403	0.482366
554	489578.13	3861508.47	0.06487	0.04761	0.01337	0.23189	0.00808	0.08274	0.0477	0.0476	0.47359947	0.00196496	3.11E-08	0.008546829	0.002651	0.008144433	0.007552	0.00723442	0.495225
555	489628.13	3861508.47	0.06683	0.04827	0.01424	0.21403	0.00833	0.08236	0.0483	0.0483	0.48790893	0.0019922	3.313E-08	0.007888558	0.002733	0.008107028	0.007647	0.00733471	0.508943
556	489678.13	3861508.47	0.06985	0.04895	0.01488	0.19917	0.00801	0.08089	0.04904	0.049	0.50995719	0.002020265	3.462E-08	0.00734086	0.002628	0.00796233	0.007765	0.00743803	0.530235
557	489728.13	3861508.47	0.07066	0.04967	0.01591	0.1866	0.00801	0.08048	0.04977	0.0497	0.5158708	0.00204998	3.701E-08	0.006877564	0.002628	0.007921972	0.00788	0.00754744	0.535681
558	489628.13	3861558.47	0.06275	0.04789	0.01318	0.21348	0.00807	0.08211	0.048	0.0479	0.45812189	0.001976516	3.066E-08	0.007868287	0.002648	0.00808242	0.0076	0.00727697	0.47902
559	489678.13	3861558.47	0.06436	0.04858	0.01384	0.19883	0.0081	0.08117	0.04871	0.0486	0.46987609	0.002004994	3.22E-08	0.007328328	0.002658	0.007989892	0.007712	0.00738181	0.490188
560	489728.13	3861558.47	0.06707	0.04927	0.01473	0.18628	0.00778	0.08053	0.04945	0.0493	0.48966111	0.002033472	3.427E-08	0.00686577	0.002553	0.007926894	0.00783	0.00748666	0.509383
561	489357.08	3861015.81	0.10626	0.05124	0.0248	0.40466	0.01187	0.12285	0.0507	0.0512	0.7757774	0.002114777	5.769E-08	0.014914657	0.003895	0.012092623	0.008027	0.007786	0.809036
562	489407.08	3861015.81	0.10711	0.05176	0.02427	0.33994	0.01082	0.12087	0.05133	0.0518	0.78198303	0.002136239	5.646E-08	0.012529256	0.00355	0.011897723	0.008127	0.00786502	0.812359
563	489457.08	3861015.81	0.1059	0.0526	0.02036	0.29744	0.01004	0.12031	0.05208	0.0526	0.77314913	0.002170907	4.737E-08	0.010962822	0.003294	0.0118426	0.008246	0.00799266	0.801673
564	489357.08	3861065.81	0.10259	0.05031	0.02376	0.40762	0.01146	0.11709	0.04983	0.0503	0.74898365	0.002076395	5.528E-08	0.015023755	0.00376	0.011525643	0.00789	0.00764469	0.781615
565	489407.08	3861065.81	0.10144	0.05079	0.02397	0.34334	0.01099	0.11547	0.05041	0.0508	0.74058779	0.002096205	5.576E-08	0.01265457	0.003606	0.011366179	0.007982	0.00771763	0.770575
566	489457.08	3861065.81	0.10194	0.05133	0.02237	0.30025	0.01003	0.11432	0.05113	0.0513	0.74423817	0.002118492	5.204E-08	0.011066391	0.003291	0.01125298	0.008096	0.00779968	0.772263
567	489357.08	3861115.81	0.09814	0.04963	0.02301	0.40724	0.01096	0.11324	0.04877	0.0496	0.71649533	0.00204833	5.353E-08	0.015009749	0.003596	0.011146671	0.007722	0.00754136	0.748477
568	489407.08	3861115.81	0.09971	0.04997	0.02306	0.34568	0.01104	0.11101	0.04939	0.05	0.7279575	0.002062362	5.365E-08	0.012740816	0.003622	0.010927164	0.00782	0.00759303	0.757537
569	489457.08	3861115.81	0.09771	0.05058	0.023	0.30296	0.01016	0.10961	0.05028	0.0506	0.71335601	0.002087538	5.351E-08	0.011166274	0.003334	0.010789356	0.007961	0.00768572	0.741008
570	489407.08	3861165.81	0.09384	0.04973	0.02239	0.34466	0.01059	0.10973	0.04899	0.0497	0.68510212	0.002052457	5.209E-08	0.012703222	0.003475	0.010801168	0.007757	0.00755656	0.714334
571	489457.08	3861165.81	0.09468	0.0501	0.02216	0.30252	0.0103	0.10577	0.04963	0.0501	0.69123474	0.002067727	5.155E-08	0.011150057	0.00338	0.010411369	0.007858	0.00761278	0.718489
572	489407.08	3861215.81	0.08832	0.04907	0.02133	0.34456	0.01004	0.09981	0.04854	0.0491	0.64480199	0.002025217	4.962E-08	0.012699536	0.003294	0.009824702	0.007685	0.00745627	0.672875
573	489457.08	3861215.81	0.08934	0.04973	0.02135	0.30158	0.01027	0.09996	0.04915	0.0497	0.65224875	0.002052457	4.967E-08	0.011115411	0.00337	0.009839467	0.007782	0.00755656	0.678851
574	489407.08	3861265.81	0.08288	0.04855	0.02041	0.33688	0.00964	0.09494	0.04819	0.0486	0.60508593	0.002003756	4.748E-08	0.012416472	0.003163	0.009345328	0.00763	0.00737725	0.632267
575	489457.08	3861265.81	0.08473	0.04924	0.02045	0.29719	0.00971	0.09571	0.04876	0.0492	0.61859231	0.002032233	4.757E-08	0.010953608	0.003186	0.009421123	0.00772	0.0074821	0.644423
576	489309.86	3861110.14	0.09745	0.04909	0.02431	0.51461	0.01137	0.11522	0.04833	0.0491	0.71145781	0.002026043	5.655E-08	0.018967112	0.003731	0.011341571	0.007652	0.00745931	0.747716
577	489407.08	3861315.81	0.07758	0.04828	0.01981	0.33692	0.00941	0.09232	0.04807	0.0483	0.56639197	0.001992612	4.609E-08	0.012417947	0.003088	0.009087431	0.007611	0.00733623	0.593252
578	489457.08	3861315.81	0.07971	0.04892	0.01965	0.2974	0.00921	0.09215	0.04861	0.0489	0.58194256	0.002019026	4.571E-08	0.010961348	0.003022	0.009070697	0.007697	0.00743348	0.607279
579	488906.03	3861006.75	0.10099	0.04768	0.0271	0.20387	0.00714	0.14157	0.04649	0.0477	0.73730246	0.001967849	6.305E-08	0.007514089	0.002343	0.013935308	0.007361	0.00724506	0.763178
580	488956.03	3861006.75	0.10071	0.04835	0.02799	0.23187	0.00707	0.13852	0.04708	0.0484	0.73525825	0.001995501	6.512E-08	0.008546092	0.00232	0.013635084	0.007454	0.00734686	0.761862
581	488904.24	3861051.87	0.0949	0.04743	0.02622	0.18792	0.00735	0.13041	0.04582	0.0474	0.69284091	0.001957531	6.1E-08	0.006926216	0.002412	0.012836784	0.007255	0.00720707	0.717021
582	488954.24	3861051.87	0.09482	0.04785	0.02673	0.22175	0.00703	0.13223	0.04617	0.0479	0.69225685	0.001974865	6.218E-08	0.008173097	0.002307	0.013015934	0.00731	0.00727089	0.717767
583	489004.24	3861051.87	0.09535	0.04856	0.02825	0.24642	0.00701	0.13142	0.04683	0.0486	0.69612624	0.002004169	6.572E-08	0.009082365	0.0023	0.012936202	0.007415	0.00737877	0.722485
584	488804.24	3861101.87	0.08312	0.04607	0.0205	0.15391	0.00738	0.12255	0.04427	0.0461	0.60683811	0.001901401	4.769E-08	0.0056727	0.002421	0.012063092	0.007009	0.00700041	0.628906
585	488854.24	3861101.87	0.0845	0.04663	0.02377	0.17185	0.00795	0.12239	0.04482	0.0466	0.61691314	0.001924514	5.53E-08	0.006333919	0.002609	0.012047343	0.007096	0.00708551	0.639838
586	488904.24	3861101.87	0.08726	0.0465	0.02367	0.20205	0.00748	0.12274	0.04468	0.0465	0.6370632	0.001919148	5.507E-08	0.007447009	0.002454	0.012081795	0.007074	0.00706575	0.660974

587	488954.24	3861101.87	0.08893	0.04699	0.02509	0.23324	0.00666	0.12193	0.04502	0.047
588	489004.24	3861101.87	0.08966	0.04758	0.02664	0.27457	0.00687	0.12241	0.0455	0.0476
589	488804.24	3861151.87	0.0786	0.04546	0.02092	0.15826	0.00684	0.11746	0.0435	0.0455
590	488854.24	3861151.87	0.07818	0.04567	0.02199	0.17733	0.00742	0.11487	0.04383	0.0457
591	489129.49	3861187.55	0.08091	0.04775	0.02689	0.57848	0.00657	0.10681	0.04621	0.0478
592	489179.49	3861187.55	0.08188	0.04783	0.02596	1.18623	0.00665	0.10543	0.04669	0.0478
593	488804.24	3861201.87	0.07231	0.04541	0.02065	0.15796	0.00663	0.11152	0.04336	0.0454
594	488854.24	3861201.87	0.07433	0.04555	0.02083	0.17775	0.00686	0.11176	0.04361	0.0456
595	489129.49	3861237.55	0.07436	0.04771	0.02469	0.57656	0.0064	0.10314	0.04608	0.0477
596	489179.49	3861237.55	0.07551	0.04785	0.02474	1.20097	0.00645	0.10137	0.04646	0.0479
597	488804.24	3861251.87	0.06737	0.04529	0.02068	0.15733	0.00651	0.10416	0.04327	0.0453
598	488854.24	3861251.87	0.06784	0.04547	0.02047	0.17813	0.00639	0.10388	0.04354	0.0455
599	488804.24	3861301.87	0.06429	0.0449	0.02	0.15772	0.00639	0.09538	0.04312	0.0449
600	488854.24	3861301.87	0.06294	0.04519	0.02027	0.17853	0.00604	0.09664	0.04347	0.0452
601	490943.5	3860181.97	0.11864	0.22446	0.07219	0.23216	0.03984	0.19359	0.23082	0.2245
602	490993.5	3860181.97	0.12066	0.24536	0.07133	0.23945	0.04092	0.19678	0.25163	0.2454
603	491043.5	3860181.97	0.12369	0.28121	0.06494	0.25135	0.0409	0.20228	0.28364	0.2812
604	491093.5	3860181.97	0.12748	0.31587	0.07017	0.2563	0.0404	0.20242	0.317	0.3159
605	490943.5	3860231.97	0.11035	0.20199	0.05728	0.21366	0.03853	0.18203	0.19821	0.202
606	490993.5	3860231.97	0.11158	0.21845	0.06437	0.22036	0.03871	0.18454	0.2257	0.2185
607	491043.5	3860231.97	0.11286	0.23744	0.06682	0.22506	0.04001	0.1839	0.24464	0.2374
608	491093.5	3860231.97	0.11661	0.26783	0.06221	0.22997	0.0401	0.18295	0.269	0.2678
609	490943.5	3860281.97	0.1038	0.18691	0.05175	0.19707	0.03268	0.16549	0.17939	0.1869
610	490993.5	3860281.97	0.1032	0.19685	0.05029	0.20162	0.03664	0.17068	0.19153	0.1969
611	491043.5	3860281.97	0.10363	0.21193	0.0546	0.20332	0.03756	0.17266	0.20788	0.2119
612	491093.5	3860281.97	0.10686	0.23058	0.05949	0.20409	0.03892	0.17292	0.23365	0.2306
613	490943.5	3860331.97	0.09689	0.171	0.04926	0.17723	0.03133	0.15129	0.16632	0.171
614	490993.5	3860331.97	0.09687	0.17938	0.04797	0.18022	0.03151	0.15302	0.17449	0.1794
615	491043.5	3860331.97	0.09698	0.18965	0.04556	0.18104	0.03452	0.15516	0.18432	0.1897
616	491093.5	3860331.97	0.09892	0.20388	0.04645	0.18187	0.03645	0.15739	0.19811	0.2039
617	490086.72	3859935.12	0.16583	0.17604	0.1286	0.27024	0.06269	0.18982	0.17539	0.176
618	490136.72	3859935.12	0.16337	0.18498	0.13795	0.27694	0.05955	0.19281	0.1798	0.185
619	490186.72	3859935.12	0.16047	0.19395	0.13334	0.28058	0.06779	0.2004	0.18804	0.194
620	490236.72	3859935.12	0.15745	0.20627	0.14239	0.28818	0.06906	0.20482	0.19581	0.2063
621	490286.72	3859935.12	0.15394	0.21639	0.14407	0.29379	0.0726	0.20898	0.20338	0.2164
622	490336.72	3859935.12	0.151	0.224	0.12288	0.29933	0.06865	0.21527	0.21188	0.224
623	490386.72	3859935.12	0.14758	0.23708	0.1255	0.30956	0.05955	0.22168	0.22606	0.2371
624	490436.72	3859935.12	0.14525	0.24864	0.12693	0.31826	0.04978	0.22782	0.24076	0.2486
625	490486.72	3859935.12	0.1433	0.2602	0.12692	0.33411	0.04222	0.23408	0.26094	0.2602
626	490536.72	3859935.12	0.14478	0.28198	0.13113	0.35199	0.04329	0.24666	0.28398	0.282
627	490586.72	3859935.12	0.14715	0.31334	0.13784	0.37482	0.04636	0.26922	0.316	0.3133
628	490636.72	3859935.12	0.14999	0.34873	0.13387	0.40642	0.04664	0.29054	0.35118	0.3487
629	490686.72	3859935.12	0.15258	0.41063	0.13658	0.46273	0.04696	0.32986	0.40522	0.4106
630	490736.72	3859935.12	0.15609	0.48885	0.15148	0.52742	0.04751	0.36856	0.47429	0.4889
631	490086.72	3859985.12	0.16284	0.15971	0.09122	0.25762	0.0591	0.17964	0.15797	0.1597
632	490136.72	3859985.12	0.16	0.16492	0.11383	0.26048	0.05951	0.18152	0.16371	0.1649
633	490186.72	3859985.12	0.15768	0.17346	0.12716	0.25936	0.05805	0.18569	0.16905	0.1735
634	490236.72	3859985.12	0.15446	0.1836	0.11665	0.26011	0.06532	0.19148	0.17592	0.1836
635	490286.72	3859985.12	0.15177	0.19308	0.1197	0.26499	0.06639	0.19301	0.1812	0.1931
636	490336.72	3859985.12	0.14835	0.20585	0.12454	0.2707	0.07017	0.19764	0.18799	0.2059
637	490386.72	3859985.12	0.14603	0.21189	0.1041	0.27201	0.06483	0.20126	0.1979	0.2119
638	490436.72	3859985.12	0.14396	0.21931	0.1075	0.28362	0.05618	0.20831	0.20829	0.2193
639	490486.72	3859985.12	0.14236	0.22938	0.10823	0.29531	0.04713	0.21511	0.22011	0.2294
640	490536.72	3859985.12	0.14004	0.23988	0.1086	0.30354	0.04001	0.22489	0.23642	0.2399
641	490586.72	3859985.12	0.13935	0.25267	0.11052	0.3152	0.04154	0.23383	0.25579	0.2527
642	490636.72	3859985.12	0.13942	0.27355	0.11533	0.34041	0.04377	0.2489	0.28065	0.2736
643	490686.72	3859985.12	0.14123	0.30679	0.11769	0.37755	0.04516	0.26955	0.31165	0.3068
644	490736.72	3859985.12	0.14359	0.34186	0.11597	0.39951	0.04582	0.29826	0.34059	0.3419
645	490786.72	3859985.12	0.14773	0.3866	0.11812	0.43302	0.0454	0.3222	0.37893	0.3866

0.64925545	0.001939371	5.837E-08	0.008596586	0.002185	0.012002063	0.007128	0.00714021	0.673967
0.65458499	0.001963722	6.198E-08	0.010119897	0.002254	0.012049312	0.007204	0.00722986	0.680946
0.57383873	0.001876225	4.867E-08	0.005833029	0.002244	0.011562063	0.006887	0.00690772	0.595334
0.57077241	0.001884892	5.116E-08	0.006535897	0.002435	0.011307119	0.00694	0.00693963	0.592935
0.59070345	0.001970738	6.256E-08	0.021321185	0.002156	0.010513741	0.007317	0.00725569	0.626726
0.59778518	0.00197404	6.039E-08	0.043721183	0.002182	0.010377902	0.007393	0.00726785	0.656165
0.52791703	0.001874162	4.804E-08	0.005821972	0.002175	0.010977365	0.006865	0.00690013	0.548731
0.54266454	0.00187994	4.846E-08	0.006551377	0.002251	0.011000989	0.006905	0.0069214	0.564331
0.54288356	0.001969087	5.744E-08	0.021250419	0.0021	0.010152488	0.007296	0.00724961	0.578402
0.55127942	0.001974865	5.755E-08	0.044264459	0.002116	0.009978259	0.007356	0.00727089	0.609699
0.49185134	0.001869209	4.811E-08	0.005798752	0.002136	0.01025289	0.006851	0.00688189	0.511877
0.49528269	0.001876638	4.762E-08	0.006565383	0.002097	0.010225329	0.006894	0.00690924	0.516031
0.46936504	0.001853113	4.653E-08	0.005813126	0.002097	0.009388639	0.006827	0.00682263	0.488521
0.45950903	0.001865082	4.716E-08	0.006580126	0.001982	0.009512666	0.006883	0.0068667	0.479465
0.86616065	0.009263914	1.679E-07	0.008556781	0.013072	0.019055847	0.036546	0.03410707	0.918548
0.88090816	0.010126499	1.659E-07	0.00882547	0.013426	0.019369852	0.039841	0.03728286	0.935215
0.90302942	0.0116061	1.511E-07	0.009264071	0.01342	0.019911239	0.044909	0.04273033	0.95941
0.93069925	0.013036588	1.632E-07	0.009446515	0.013256	0.01992502	0.050191	0.04799698	0.988558
0.80563745	0.008336532	1.333E-07	0.007874921	0.012642	0.01791795	0.031383	0.03069272	0.853099
0.81461737	0.009015869	1.497E-07	0.008121865	0.012701	0.018165019	0.035735	0.03319384	0.865163
0.82396233	0.009799625	1.554E-07	0.008295094	0.013128	0.018102021	0.038734	0.03607941	0.875942
0.85134013	0.011053881	1.447E-07	0.008476063	0.013157	0.018008509	0.042591	0.04069722	0.90393
0.75781756	0.00771415	1.204E-07	0.007263459	0.010723	0.01628985	0.028403	0.02840129	0.79981
0.75343711	0.008124394	1.17E-07	0.00743116	0.012022	0.016800723	0.030325	0.02991169	0.798229
0.75657643	0.008746776	1.27E-07	0.007493817	0.012324	0.016995623	0.032914	0.03220312	0.802848
0.78015784	0.009516499	1.384E-07	0.007522197	0.01277	0.017021215	0.036994	0.03503702	0.828945
0.70736939	0.007057513	1.146E-07	0.006532211	0.01028	0.014892087	0.026334	0.02598374	0.746481
0.70722338	0.007403372	1.116E-07	0.006642415	0.010339	0.015062378	0.027627	0.02725709	0.747041
0.70802646	0.007827236	1.06E-07	0.006672638	0.011326	0.015273027	0.029184	0.02881764	0.749492
0.72218991	0.008414536	1.081E-07	0.006703229	0.01196	0.015492535	0.031367	0.03097991	0.765147
1.21068291	0.007265524	2.992E-07	0.009960305	0.020569	0.018684751	0.02777	0.02674957	1.268183
1.19272307	0.007634495	3.209E-07	0.010207248	0.019539	0.018979069	0.028468	0.02810802	1.249443
1.1715509	0.008004705	3.102E-07	0.010341409	0.022243	0.019726183	0.029773	0.02947103	1.232168
1.14950264	0.008513176	3.313E-07	0.010621524	0.02266	0.020161261	0.031003	0.03134307	1.211118
1.12387702	0.008930849	3.352E-07	0.010828293	0.023821	0.020570747	0.032202	0.03288082	1.187349
1.10241282	0.009244929	2.859E-07	0.011032482	0.022525	0.021189897	0.033547	0.03403718	1.165916
1.07744427	0.009784767	2.92E-07	0.011409532	0.019539	0.021820859	0.035792	0.0360247	1.139767
1.06043353	0.010261871	2.953E-07	0.01173019	0.016333	0.022425245	0.03812	0.03778127	1.121523
1.04619707	0.010738975	2.953E-07	0.012314378	0.013853	0.023041442	0.041315	0.03953783	1.107922
1.05700218	0.01163788	3.051E-07	0.012973386	0.014204	0.024279742	0.044963	0.04284734	1.122213
1.07430495	0.01293217	3.207E-07	0.013814837	0.015211	0.026500414	0.050033	0.04761254	1.145184
1.09503907	0.014392786	3.114E-07	0.014979526	0.015303	0.028599028	0.055603	0.05299011	1.170927
1.11394801	0.016947523	3.177E-07	0.017054958	0.015408	0.032469455	0.064159	0.06239592	1.197592
1.13957363	0.020175819	3.524E-07	0.019439254	0.015589	0.036278852	0.075095	0.07428158	1.23187
1.18885367	0.006591552	2.122E-07	0.009495166	0.019392	0.017682692	0.025012	0.0242682	1.242758
1.16811955	0.006806579	2.648E-07	0.009600578	0.019526	0.017867748	0.02592	0.02505987	1.222781
1.15118182	0.007159042	2.958E-07	0.009559298	0.019047	0.018278218	0.026766	0.02635754	1.205634
1.12767341	0.00757754	2.714E-07	0.009586941	0.021432	0.018848151	0.027854	0.02789833	1.185074
1.1080344	0.007968799	2.785E-07	0.009766804	0.021783	0.018998755	0.02869	0.02933883	1.165903
1.08306584	0.008495842	2.897E-07	0.009977259	0.023024	0.019454505	0.029765	0.03127925	1.142503
1.06612811	0.008745125	2.422E-07	0.010025542	0.021272	0.019810836	0.031334	0.03219704	1.125118
1.05101556	0.009051363	2.501E-07	0.010453455	0.018433	0.020504796	0.032979	0.03332452	1.109113
1.03933437	0.009466972	2.518E-07	0.010884316	0.015464	0.021174148	0.03485	0.03485468	1.09632
1.02239664	0.009900328	2.526E-07	0.011187651	0.013128	0.022136833	0.037433	0.03645017	1.079732
1.01735912	0.010428197	2.571E-07	0.011617407	0.01363	0.023016833	0.0405	0.03839363	1.078158
1.01787017	0.011289957	2.683E-07	0.012546578	0.014362	0.024500234	0.044436	0.04156638	1.083438
1.03108452	0.012661838	2.738E-07	0.013915457	0.014818	0.026532897	0.049344	0.04661726	1.101739
1.04831429	0.014109247	2.698E-07	0.014724842	0.015034	0.029358939	0.053926	0.0519462	1.123522
1.07853938	0.015955757	2.748E-07	0.015959929	0.014896	0.03171545	0.059997	0.05874452	1.158319

646	490086.72	3860035.12	0.16026	0.14598	0.07701	0.24278	0.05311	0.17982	0.14634	0.146	1.17001774	0.006024887	1.792E-07	0.008948205	0.017426	0.01770041	0.02317	0.02218191	1.221106
647	490136.72	3860035.12	0.1558	0.1502	0.08445	0.23895	0.05642	0.17833	0.14822	0.1502	1.13745641	0.006199055	1.965E-07	0.008807041	0.018512	0.017553744	0.023468	0.02282314	1.189173
648	490186.72	3860035.12	0.15215	0.15506	0.10144	0.24165	0.05665	0.1765	0.15335	0.1551	1.11080868	0.006399637	2.36E-07	0.008906556	0.018588	0.017373609	0.02428	0.02356163	1.162795
649	490236.72	3860035.12	0.14952	0.1628	0.10623	0.24246	0.05659	0.18131	0.1587	0.1628	1.09160772	0.006719082	2.471E-07	0.00893641	0.018568	0.017847077	0.025127	0.02473773	1.144068
650	490286.72	3860035.12	0.14735	0.17053	0.10216	0.24265	0.06278	0.18715	0.16296	0.1705	1.0757651	0.007038115	2.377E-07	0.008943413	0.020599	0.018421932	0.025802	0.02591232	1.130657
651	490336.72	3860035.12	0.1449	0.17807	0.10346	0.2466	0.06377	0.18799	0.16768	0.1781	1.05787827	0.007349306	2.407E-07	0.009088999	0.020924	0.018504616	0.026549	0.02705804	1.113236
652	490386.72	3860035.12	0.14279	0.18799	0.10701	0.24733	0.0677	0.18885	0.17321	0.188	1.04247369	0.007758724	2.489E-07	0.009115905	0.022213	0.01858927	0.027425	0.0285654	1.09901
653	490436.72	3860035.12	0.14038	0.19636	0.09259	0.2532	0.06124	0.19092	0.18094	0.1964	1.02487889	0.008104171	2.154E-07	0.009332257	0.020094	0.018793028	0.028649	0.02983723	1.080014
654	490486.72	3860035.12	0.13775	0.20349	0.09468	0.25809	0.05311	0.19358	0.19075	0.2035	1.00567792	0.00839844	2.203E-07	0.009512489	0.017426	0.019054863	0.030202	0.03092065	1.059351
655	490536.72	3860035.12	0.13565	0.21603	0.09584	0.26918	0.04465	0.20007	0.20546	0.216	0.99034636	0.008915991	2.23E-07	0.009921236	0.01465	0.0196937	0.032531	0.03282612	1.043232
656	490586.72	3860035.12	0.13481	0.22504	0.09473	0.27938	0.0384	0.20949	0.21544	0.225	0.98421373	0.009287852	2.204E-07	0.01029718	0.0126	0.020620948	0.034111	0.03419521	1.036935
657	490636.72	3860035.12	0.13279	0.23375	0.09205	0.28754	0.03983	0.21684	0.23198	0.2338	0.96946622	0.009647331	2.141E-07	0.010597935	0.013069	0.021344439	0.03673	0.03551871	1.025336
658	490686.72	3860035.12	0.13177	0.24602	0.09896	0.30219	0.04125	0.2285	0.25175	0.246	0.96201946	0.010153738	2.302E-07	0.011137894	0.013535	0.02249218	0.03986	0.03738315	1.021815
659	490736.72	3860035.12	0.13103	0.2669	0.10551	0.32941	0.04357	0.24556	0.27699	0.2669	0.9566169	0.011015498	2.455E-07	0.012141149	0.014296	0.024171465	0.043856	0.0405559	1.021542
660	490786.72	3860035.12	0.13213	0.28927	0.10034	0.34441	0.04449	0.2627	0.29758	0.2893	0.96464773	0.011938753	2.334E-07	0.012694008	0.014598	0.025858624	0.047116	0.04395506	1.032898
661	490836.72	3860035.12	0.14014	0.32442	0.10184	0.36774	0.04401	0.28147	0.32457	0.3244	1.02312671	0.013389464	2.369E-07	0.013553887	0.01444	0.027706231	0.05139	0.04929616	1.09431
662	490086.72	3860085.12	0.15987	0.13333	0.06486	0.23193	0.05643	0.17519	0.13465	0.1333	1.16717045	0.005502796	1.509E-07	0.008548303	0.018515	0.017244661	0.021319	0.02025972	1.218041
663	490136.72	3860085.12	0.1547	0.13785	0.07279	0.22541	0.05203	0.17563	0.1372	0.1379	1.12942559	0.005689346	1.693E-07	0.008307994	0.017072	0.017287972	0.021723	0.02094654	1.178559
664	490186.72	3860085.12	0.14951	0.14223	0.08661	0.22422	0.05398	0.177	0.13947	0.1422	1.09153471	0.005870117	2.015E-07	0.008264134	0.017712	0.017422826	0.022083	0.02161209	1.141274
665	490236.72	3860085.12	0.14484	0.14631	0.09377	0.22874	0.05445	0.17786	0.14347	0.1463	1.05744022	0.006038507	2.181E-07	0.008430729	0.017866	0.01750748	0.022716	0.02223205	1.107767
666	490286.72	3860085.12	0.1417	0.15309	0.09075	0.22753	0.05521	0.17885	0.1483	0.1531	1.03451588	0.006318331	2.111E-07	0.008386131	0.018115	0.017604929	0.023481	0.02326228	1.085159
667	490336.72	3860085.12	0.14016	0.15916	0.08924	0.2255	0.0603	0.18199	0.15338	0.1592	1.02327273	0.006568852	2.076E-07	0.008311311	0.019785	0.017914012	0.024285	0.02418463	1.075953
668	490386.72	3860085.12	0.13933	0.1648	0.09088	0.22954	0.06119	0.18391	0.15694	0.1648	1.01721311	0.006801626	2.114E-07	0.008460215	0.020077	0.018103006	0.024849	0.02504164	1.070462
669	490436.72	3860085.12	0.13765	0.1734	0.09316	0.23122	0.06539	0.18473	0.16212	0.1734	1.00494785	0.007156565	2.167E-07	0.008522135	0.021455	0.018183721	0.025669	0.02634842	1.059586
670	490486.72	3860085.12	0.13529	0.1817	0.08164	0.23556	0.05788	0.18445	0.16898	0.1817	0.98771809	0.007499123	1.899E-07	0.008682095	0.018991	0.01815616	0.026755	0.02760962	1.040192
671	490536.72	3860085.12	0.13273	0.19055	0.08427	0.24197	0.05005	0.18572	0.17956	0.1906	0.96902817	0.00786438	1.96E-07	0.00891835	0.016422	0.018281171	0.02843	0.02895439	1.01999
672	490586.72	3860085.12	0.13175	0.19926	0.08523	0.24596	0.04225	0.18935	0.19045	0.1993	0.96187344	0.008223859	1.983E-07	0.009065411	0.013863	0.018638487	0.030154	0.03027789	1.011541
673	490636.72	3860085.12	0.12993	0.20867	0.08347	0.25222	0.03694	0.19516	0.19984	0.2087	0.94858608	0.008612229	1.942E-07	0.009296137	0.012121	0.019210389	0.031641	0.03170776	0.997759
674	490686.72	3860085.12	0.12713	0.21892	0.08089	0.26479	0.03829	0.20252	0.21176	0.2189	0.92814399	0.009035267	1.882E-07	0.009759433	0.012563	0.019934863	0.033528	0.03326526	0.9797
675	490736.72	3860085.12	0.12647	0.23085	0.08418	0.2731	0.03898	0.21328	0.22986	0.2309	0.9233255	0.009527642	1.958E-07	0.010065717	0.01279	0.020994014	0.036394	0.03507805	0.978019
676	490786.72	3860085.12	0.12579	0.24571	0.08857	0.28681	0.04247	0.22531	0.25006	0.2457	0.91836099	0.010140944	2.06E-07	0.01057103	0.013935	0.022178175	0.039592	0.03733605	0.977443
677	490836.72	3860085.12	0.12668	0.2609	0.09015	0.29583	0.04285	0.23382	0.26699	0.2609	0.92485865	0.010767866	2.097E-07	0.010903482	0.01406	0.023015849	0.042273	0.03964419	0.986235
678	490086.72	3860135.12	0.15423	0.12137	0.05158	0.22043	0.06031	0.16978	0.12037	0.1214	1.12599424	0.005009183	1.2E-07	0.008124445	0.019789	0.016712132	0.019058	0.01844238	1.176245
679	490136.72	3860135.12	0.15107	0.12456	0.05968	0.21651	0.05251	0.17192	0.12637	0.1246	1.10292388	0.005140841	1.388E-07	0.007979964	0.017229	0.016922781	0.020008	0.0189271	1.151278
680	490186.72	3860135.12	0.14674	0.13015	0.06683	0.21407	0.05099	0.17397	0.12994	0.1302	1.07131164	0.005371551	1.555E-07	0.007890033	0.016731	0.017124571	0.020574	0.01977651	1.119226
681	490236.72	3860135.12	0.14254	0.13417	0.08098	0.21358	0.05094	0.1738	0.13143	0.1342	1.0406485	0.005537465	1.884E-07	0.007871973	0.016714	0.017107837	0.02081	0.02038736	1.088302
682	490286.72	3860135.12	0.13827	0.1385	0.08923	0.21546	0.05209	0.17621	0.13483	0.1385	1.00947431	0.005716173	2.076E-07	0.007941264	0.017091	0.017345063	0.021348	0.02104531	1.057871
683	490336.72	3860135.12	0.13447	0.14408	0.07863	0.21245	0.05382	0.17628	0.13789	0.1441	0.98173147	0.00594647	1.829E-07	0.007830324	0.017659	0.017351954	0.021832	0.0218932	1.030459
684	490386.72	3860135.12	0.13234	0.1491	0.07876	0.21577	0.05793	0.17712	0.14482	0.1491	0.96618088	0.006153656	1.832E-07	0.00795269	0.019008	0.017434638	0.02293	0.022656	1.017003
685	490436.72	3860135.12	0.13145	0.15416	0.08109	0.21977	0.05933	0.17978	0.14958	0.1542	0.95968322	0.006362492	1.886E-07	0.008100119	0.019467	0.017696473	0.023683	0.02342487	1.011568
686	490486.72	3860135.12	0.12996	0.16052	0.08214	0.22214	0.06339	0.1807	0.15527	0.1605	0.9488051	0.006624982	1.911E-07	0.008187471	0.020799	0.017787032	0.024584	0.02439128	1.002397
687	490536.72	3860135.12	0.12702	0.16885	0.07231	0.22589	0.05494	0.18139	0.16174	0.1689	0.92734091	0.006968778	1.682E-07	0.008325686	0.018027	0.017854952	0.025609	0.02565704	0.978469
688	490586.72	3860135.12	0.12647	0.17725	0.07469	0.22996	0.04721	0.18185	0.16985	0.1773	0.9233255	0.007315463	1.738E-07	0.008475695	0.01549	0.017900231	0.026893	0.02693344	0.972467
689	490636.72	3860135.12	0.12525	0.1842	0.07621	0.23275	0.03998	0.18322	0.17646	0.1842	0.91441858	0.007602303	1.773E-07	0.008578526	0.013118	0.018035086	0.027939	0.0279895	0.961702
690	490686.72	3860135.12	0.12297	0.19385	0.07484	0.23542	0.0357	0.18794	0.18554	0.1939	0.89777288	0.008000578	1.741E-07	0.008676935	0.011714	0.018499695	0.029377	0.02945583	0.944585
691	490736.72	3860135.12	0.12147	0.20294	0.07271	0.24566	0.0368	0.19177	0.19504	0.2029	0.88682176	0.00837574	1.692E-07	0.009054353	0.012075	0.018876697	0.030881	0.03083707	0.935247
692	490786.72	3860135.12	0.12206	0.21477	0.07074	0.25204	0.03654	0.19638	0.20996	0.2148	0.8911292	0.008863988	1.646E-07	0.009289503	0.011989	0.019330478	0.033243	0.03263466	0.941211
693	490836.72	3860135.12	0.1218	0.2246	0.07795	0.25645	0.04142	0.20281	0.22728	0.2246	0.88923101	0.009269692	1.813E-07	0.009452043	0.01359	0.019963409	0.035986	0.03412835	0.943364
694	490086.72	3860185.12	0.14799	0.11679	0.04462	0.20619	0.0588	0.16474	0.11458	0.1168	1.08043758	0.004820157	1.038E-07	0.007599598	0.019293	0.016216025	0.018142	0.01774644	1.128762
695	490136.72	3860185.12	0.14589	0.11853	0.05201	0.20491	0.05639	0.16584	0.11813	0.1185	1.06510601	0.004891971	1.21E-07	0.00755242	0.018502	0.016324302	0.018704	0.01801083	1.11307
696	490186.72	3860185.12	0.14387	0.12078	0.05452	0.19997	0.05059	0.16738	0.12318	0.1208	1.0503585	0.004984833	1.268E-07	0.007370345	0.016599	0.016475891	0.019503	0.01835272	1.09694
697	490236.72	3860185.12	0.1406	0.12482	0.06646	0.19962	0.04966	0.16843	0.1253	0.1248	1.02648505	0.005151572	1.546E-07	0.007357445	0.016294	0.016579247	0.019839	0.01896661	1.07274
698	490286.72	3860185.12	0.13717	0.12969	0.07505	0.20033	0.04821	0.16904	0.1264	0.1297	1.00144349	0.005352566	1.746E-07	0.007383614	0.015818	0.016639291	0.020013	0.01970661	1.046944
699	490336.72	3860185.12	0.13302	0.13257	0.07694	0.20017	0.04827	0.1707	0.12909	0.1326	0.97114539	0.00547143	1.79E-07	0.007377717	0.015838	0.016802692	0.020439	0.02014423	1.01693
700	490386.72	3860185.12	0.12856	0.1361	0.06912	0.20016	0.05233	0.17066	0.13178	0.1361	0.93858406	0.00561712	1.608E-07	0.007377348	0.01717	0.016798754	0.020865	0.02068062	0.985732
701	490436.72	3860185.12	0.12462	0.14015	0.07015	0.20237	0.05567	0.17282	0.13731	0.1402	0.90981911	0.005784271	1.632E-07	0.007458803	0.018266	0.017011372	0.021741	0.02129603	0.958784
702	490486.72	3860185.12	0.12241	0.14542	0.07296	0.20562	0.0576	0.17327	0.14347	0.1454	0.89368446	0.006001775	1.697E-07	0.007578589	0.018899	0.017055667	0.022716	0.02209681	0.943839
703	490536.72	3860185.12	0.12079	0.15101	0.07335	0.20629	0.06077	0.17489	0.14923	0.151	0.88185725	0.006232485	1.706E-07	0.007603283	0.019939	0.01721513	0.023628	0.02294622	0.933529
704	490586.72	3860185.12	0.11871	0.15839	0.06507	0.20629	0.0519	0.1767	0.15421	0.1584	0.8666717	0.006537073	1.514E-07	0.007603283	0.017029	0.017393296	0.024416	0.02406763	0.915583

705	490636.72	3860185.12	0.11717	0.16518	0.06662	0.20624	0.04452	0.1774	0.15905	0.1652	0.85542855	0.00681731	1.55E-07	0.00760144	0.014608	0.0174622	0.025183	0.02509938	0.902001
706	490686.72	3860185.12	0.11643	0.17383	0.06865	0.20668	0.03791	0.17779	0.16724	0.1738	0.85002599	0.007174312	1.597E-07	0.007617658	0.012439	0.017500589	0.026479	0.02641376	0.894823
707	490736.72	3860185.12	0.11647	0.18137	0.06785	0.20833	0.03468	0.179	0.17497	0.1814	0.85031802	0.007485503	1.578E-07	0.007678472	0.011379	0.017619694	0.027703	0.02755948	0.894625
708	490786.72	3860185.12	0.11689	0.19145	0.0651	0.21621	0.03541	0.1821	0.1849	0.1915	0.85338434	0.007901525	1.514E-07	0.007968907	0.011618	0.01792484	0.029276	0.02909115	0.898983
709	490836.72	3860185.12	0.11735	0.20053	0.0625	0.2233	0.03469	0.18506	0.19469	0.2005	0.85674268	0.008276275	1.454E-07	0.008230225	0.011382	0.018216205	0.030826	0.03047087	0.903203
710	490086.72	3860235.12	0.14198	0.11215	0.03759	0.20049	0.05574	0.16237	0.10889	0.1122	1.03656009	0.004628655	8.745E-08	0.007389511	0.018289	0.015982736	0.017241	0.01704138	1.083049
711	490136.72	3860235.12	0.14056	0.11432	0.04173	0.19931	0.05678	0.1608	0.11158	0.1143	1.02619302	0.004718215	9.708E-08	0.00734602	0.01863	0.015828195	0.017667	0.01737112	1.073011
712	490186.72	3860235.12	0.13811	0.11681	0.04709	0.1968	0.05283	0.16097	0.11481	0.1168	1.00830619	0.004820983	1.095E-07	0.007253508	0.017334	0.015844929	0.018178	0.01774948	1.053989
713	490236.72	3860235.12	0.13545	0.11879	0.05069	0.19227	0.04891	0.161	0.11931	0.1188	0.98888621	0.004902701	1.179E-07	0.007086545	0.016048	0.015847882	0.018891	0.01805034	1.033612
714	490286.72	3860235.12	0.13163	0.12033	0.06437	0.18986	0.04741	0.16116	0.12179	0.1203	0.96099735	0.00496626	1.497E-07	0.006997719	0.015556	0.015863631	0.019283	0.01828435	1.00538
715	490336.72	3860235.12	0.12733	0.12457	0.06863	0.18933	0.04571	0.16242	0.12343	0.1246	0.92960414	0.005141254	1.597E-07	0.006978184	0.014998	0.015987658	0.019543	0.01892862	0.973324
716	490386.72	3860235.12	0.12352	0.12805	0.06905	0.18976	0.04495	0.16434	0.1255	0.1281	0.90178829	0.00528488	1.606E-07	0.006994033	0.014749	0.016176651	0.019871	0.01945741	0.945406
717	490436.72	3860235.12	0.12042	0.13066	0.06228	0.1903	0.05093	0.16435	0.12719	0.1307	0.87915598	0.0053926	1.449E-07	0.007013936	0.016711	0.016177636	0.020138	0.01985401	0.924735
718	490486.72	3860235.12	0.11746	0.13311	0.06315	0.19205	0.05356	0.16663	0.13103	0.1331	0.85754576	0.005493716	1.469E-07	0.007078436	0.017574	0.016402065	0.020746	0.02022629	0.904614
719	490536.72	3860235.12	0.11563	0.13799	0.06591	0.19564	0.056	0.16492	0.13748	0.138	0.8441854	0.005695124	1.533E-07	0.007210754	0.018374	0.016233743	0.021767	0.02096781	0.892499
720	490586.72	3860235.12	0.11326	0.14394	0.06618	0.19509	0.05747	0.16292	0.14327	0.1439	0.82688263	0.005940692	1.54E-07	0.007190482	0.018857	0.016036875	0.022684	0.02187192	0.87572
721	490636.72	3860235.12	0.11105	0.14953	0.05906	0.1951	0.04894	0.1651	0.14862	0.1495	0.81074797	0.006171403	1.374E-07	0.007190851	0.016058	0.016251461	0.023531	0.02272133	0.85723
722	490686.72	3860235.12	0.10954	0.15717	0.06031	0.19394	0.04207	0.16713	0.15317	0.1572	0.79972385	0.006486721	1.403E-07	0.007148096	0.013804	0.016451282	0.024252	0.02388225	0.843983
723	490736.72	3860235.12	0.1087	0.16519	0.06261	0.19485	0.03596	0.16898	0.16015	0.1652	0.79359122	0.006817722	1.457E-07	0.007181636	0.011799	0.016633385	0.025357	0.0251009	0.836279
724	490786.72	3860235.12	0.10845	0.17322	0.06207	0.19642	0.03376	0.17045	0.1666	0.1732	0.79176603	0.007149137	1.444E-07	0.007239502	0.011077	0.016778083	0.026378	0.02632107	0.834067
725	490086.72	3860285.12	0.13731	0.10719	0.03283	0.19742	0.05054	0.15663	0.10071	0.1072	1.0024656	0.004423946	7.638E-08	0.007276359	0.016583	0.015417725	0.015946	0.0162877	1.045824
726	490136.72	3860285.12	0.13376	0.1091	0.03551	0.19309	0.05361	0.15512	0.10547	0.1091	0.97654794	0.004502776	8.261E-08	0.007116768	0.01759	0.015269089	0.016699	0.01657793	1.021148
727	490186.72	3860285.12	0.13	0.11092	0.04272	0.1896	0.05482	0.15392	0.10799	0.1109	0.94909713	0.004577891	9.938E-08	0.006988136	0.017987	0.015150968	0.017098	0.01685448	0.994045
728	490236.72	3860285.12	0.12638	0.11313	0.04183	0.18641	0.04971	0.15445	0.11123	0.1131	0.92266843	0.004669102	9.731E-08	0.006870561	0.016311	0.015203139	0.017611	0.01719029	0.966143
729	490286.72	3860285.12	0.12355	0.11504	0.05048	0.18464	0.04731	0.1526	0.11516	0.115	0.90200731	0.004747931	1.174E-07	0.006805324	0.015523	0.015021036	0.018233	0.01748052	0.944858
730	490336.72	3860285.12	0.12069	0.11711	0.05945	0.18216	0.04515	0.15409	0.11717	0.1171	0.88112718	0.004833364	1.383E-07	0.006713918	0.014814	0.015167702	0.018552	0.01779506	0.923413
731	490386.72	3860285.12	0.11873	0.11987	0.06178	0.18223	0.04382	0.15515	0.11906	0.1199	0.86681771	0.004947275	1.437E-07	0.006716498	0.014378	0.015272042	0.018851	0.01821445	0.908768
732	490436.72	3860285.12	0.11727	0.12248	0.06048	0.18105	0.04323	0.15713	0.12099	0.1225	0.85615862	0.005054995	1.407E-07	0.006673006	0.014184	0.015466942	0.019157	0.01861104	0.898084
733	490486.72	3860285.12	0.11551	0.12529	0.05648	0.18012	0.04956	0.15676	0.12353	0.1253	0.84330931	0.005170969	1.314E-07	0.006638729	0.016261	0.015430521	0.019559	0.01903803	0.887332
734	490536.72	3860285.12	0.11308	0.1277	0.05725	0.18358	0.05156	0.1571	0.12674	0.1277	0.82556849	0.005270435	1.332E-07	0.006766255	0.016918	0.015463989	0.020067	0.01940423	0.87065
735	490586.72	3860285.12	0.11084	0.13078	0.05991	0.1879	0.05442	0.1569	0.13264	0.1308	0.80921482	0.005397553	1.394E-07	0.006925478	0.017856	0.015444302	0.021001	0.01987224	0.855967
736	490636.72	3860285.12	0.10865	0.137	0.06009	0.18743	0.05435	0.15698	0.13738	0.137	0.79322618	0.005654265	1.398E-07	0.006908155	0.017833	0.015452177	0.021752	0.02081738	0.840008
737	490686.72	3860285.12	0.10658	0.14263	0.05397	0.18591	0.04619	0.15713	0.14319	0.1426	0.77811363	0.005886626	1.256E-07	0.006852132	0.015156	0.015466942	0.022672	0.02167287	0.822474
738	490736.72	3860285.12	0.10591	0.14976	0.05494	0.18628	0.03975	0.15526	0.14796	0.1498	0.77322213	0.006180895	1.278E-07	0.00686577	0.013043	0.01528287	0.023427	0.02275628	0.815265
739	490786.72	3860285.12	0.10498	0.15937	0.05734	0.18757	0.03417	0.15443	0.15388	0.1594	0.76643244	0.006577519	1.334E-07	0.006913315	0.011212	0.01520117	0.024364	0.02421654	0.806484
740	490086.72	3860335.12	0.12994	0.10211	0.02914	0.19474	0.04678	0.15124	0.0954	0.1021	0.94865909	0.004214284	6.779E-08	0.007177582	0.015349	0.014887165	0.015105	0.01551579	0.989876
741	490136.72	3860335.12	0.12625	0.10445	0.03167	0.18882	0.05021	0.14986	0.09811	0.1045	0.92171933	0.004310861	7.368E-08	0.006959387	0.016475	0.014751326	0.015534	0.01587135	0.963878
742	490186.72	3860335.12	0.12355	0.10603	0.03436	0.18452	0.05162	0.14907	0.10223	0.106	0.90200731	0.004376071	7.993E-08	0.006800901	0.016937	0.014673563	0.016186	0.01611144	0.94487
743	490236.72	3860335.12	0.12175	0.10795	0.03936	0.18116	0.05127	0.14964	0.1048	0.108	0.88886597	0.004455313	9.157E-08	0.00667706	0.016822	0.014729671	0.016593	0.01640318	0.93174
744	490286.72	3860335.12	0.1201	0.10962	0.04074	0.17842	0.04807	0.14944	0.1079	0.1096	0.87681974	0.004524237	9.478E-08	0.006576072	0.015772	0.014709984	0.017084	0.01665694	0.91883
745	490336.72	3860335.12	0.11861	0.11147	0.05101	0.17812	0.04567	0.15053	0.111	0.1115	0.86594162	0.00460059	1.187E-07	0.006565014	0.014985	0.014817277	0.017575	0.01693805	0.907546
746	490386.72	3860335.12	0.11713	0.11357	0.05522	0.17668	0.04269	0.15228	0.11305	0.1136	0.85513652	0.004687261	1.285E-07	0.00651194	0.014007	0.014989537	0.017899	0.01725715	0.895975
747	490436.72	3860335.12	0.11474	0.11574	0.05551	0.17492	0.04212	0.15352	0.1152	0.1157	0.83768773	0.004776822	1.291E-07	0.006447071	0.01382	0.015111595	0.01824	0.01758689	0.878496
748	490486.72	3860335.12	0.11253	0.11875	0.05266	0.17556	0.0418	0.15326	0.11785	0.1188	0.82155308	0.00490105	1.225E-07	0.00647066	0.013715	0.015086002	0.018659	0.01804426	0.862341
749	490536.72	3860335.12	0.11047	0.12187	0.05162	0.1754	0.0482	0.1523	0.12036	0.1219	0.80651354	0.005029819	1.201E-07	0.006464763	0.015815	0.014991505	0.019057	0.01851835	0.849353
750	490586.72	3860335.12	0.10821	0.1242	0.05257	0.17769	0.04996	0.15146	0.12359	0.1242	0.79001385	0.005125983	1.223E-07	0.006549166	0.016393	0.014908821	0.019568	0.0188724	0.833686
751	490636.72	3860335.12	0.10645	0.12671	0.05483	0.18008	0.05296	0.15118	0.12944	0.1267	0.77716454	0.005229576	1.276E-07	0.006637255	0.017377	0.014881259	0.020494	0.0192538	0.82253
752	490686.72	3860335.12	0.10426	0.13068	0.05497	0.17833	0.05142	0.14994	0.13272	0.1307	0.7611759	0.005393425	1.279E-07	0.006572754	0.016872	0.014759201	0.021014	0.01985705	0.80593
753	490736.72	3860335.12	0.10206	0.13721	0.04931	0.17697	0.04367	0.14893	0.13797	0.1372	0.74511426	0.005662932	1.147E-07	0.006522629	0.014329	0.014659783	0.021845	0.02084929	0.787284
754	490786.72	3860335.12	0.10067	0.14289	0.05037	0.17705	0.03766	0.14867	0.14398	0.1429	0.73496622	0.005897357	1.172E-07	0.006525577	0.012357	0.01463419	0.022797	0.02171238	0.775464
755	490086.72	3860385.12	0.12516	0.09593	0.02675	0.19041	0.04379	0.14407	0.09149	0.0959	0.91376152	0.003959223	6.223E-08	0.00701799	0.014368	0.014181393	0.014486	0.01457672	0.953197
756	490136.72	3860385.12	0.12333	0.09914	0.02858	0.18432	0.04605	0.14476	0.0931	0.0991	0.90040115	0.004091706	6.649E-08	0.006793529	0.01511	0.014249313	0.014741	0.01506449	0.940322
757	490186.72	3860385.12	0.12104	0.10155	0.03055	0.17976	0.04966	0.14489	0.09566	0.1016	0.88368244	0.004191172	7.107E-08	0.00662546	0.016294	0.014262109	0.015146	0.01543069	0.924771
758	490236.72	3860385.12	0.11915	0.10335	0.03552	0.1769	0.04979	0.14525	0.0994	0.1034	0.86988403	0.004265462	8.263E-08	0.006520049	0.016337	0.014297545	0.015738	0.01570421	0.911338
759	490286.72	3860385.12	0.11727	0.10484	0.03503	0.17558	0.04794	0.14579	0.10175	0.1048	0.85615862	0.004326957	8.149E-08	0.006471397	0.01573	0.0143507	0.01611	0.01593061	0.897217
760	490336.72	3860385.12	0.11524	0.10662	0.0408	0.17445	0.04649	0.14559	0.10485	0.1066	0.84133811	0.004400421	9.492E-08	0.006429748	0.015254	0.014331013	0.016601	0.01620109	0.882153
761	490386.72	3860385.12	0.11278	0.10846	0.04918	0.17295	0.0441	0.14604	0.10736	0.1085	0.82337827	0.004476362	1.144E-07	0.006374462	0.01447	0.014375308	0.016999	0.01648068	0.863592
762	490436.72	3860385.12	0.11048	0.11049	0.05084	0.17003	0.04044	0.14629	0.10951	0.1105	0.80658655	0.004560144	1.183E-07	0.006266839	0.013269	0.014399917	0.017339	0.01678914	0.845632
763	490486.72	3860385.12	0.1076	0.11265	0.05096	0.16865	0.04079	0.14643	0.11231	0.1127	0.7855604	0.004649291	1.186E-07	0.006215976	0.013384	0.014413697	0.017782	0.01711736	0.824888

764	490536.72	3860385.12	0.10485	0.11468	0.04765	0.16925	0.04062	0.14658	0.11493	0.1147	0.76548334	0.004733073	1.109E-07	0.006238091	0.013328	0.014428463	0.018197	0.01742582	0.804982
765	490586.72	3860385.12	0.10261	0.1185	0.04745	0.16756	0.04649	0.14717	0.11812	0.1185	0.74912967	0.004890732	1.104E-07	0.006175802	0.015254	0.014486539	0.018702	0.01800627	0.790633
766	490636.72	3860385.12	0.10041	0.12131	0.04876	0.16943	0.04866	0.1464	0.12043	0.1213	0.73306802	0.005006707	1.134E-07	0.006244725	0.015966	0.014410744	0.019068	0.01843326	0.775331
767	490686.72	3860385.12	0.09867	0.12592	0.05038	0.17085	0.05157	0.14524	0.12622	0.1259	0.72036472	0.005196971	1.172E-07	0.006297062	0.016921	0.014296561	0.019985	0.01913376	0.763927
768	490736.72	3860385.12	0.09755	0.12899	0.05057	0.17101	0.04868	0.14414	0.13001	0.129	0.71218789	0.005323676	1.176E-07	0.006302959	0.015973	0.014188284	0.020585	0.01960025	0.75496
769	490786.72	3860385.12	0.09622	0.13296	0.04528	0.17033	0.0413	0.14417	0.13377	0.133	0.70247789	0.005487526	1.053E-07	0.006277896	0.013551	0.014191237	0.02118	0.0202035	0.742962
770	490136.72	3860435.12	0.11691	0.09355	0.02749	0.17772	0.04303	0.13868	0.08944	0.0936	0.85353035	0.003860996	6.395E-08	0.006550272	0.014119	0.013650834	0.014161	0.01421508	0.891657
771	490186.72	3860435.12	0.1147	0.09606	0.02938	0.17413	0.04576	0.13904	0.09078	0.0961	0.8373957	0.003964589	6.835E-08	0.006417954	0.015014	0.01368627	0.014373	0.01459648	0.876256
772	490236.72	3860435.12	0.11299	0.09892	0.0293	0.17273	0.04785	0.13955	0.09352	0.0989	0.82491142	0.004082627	6.816E-08	0.006366354	0.0157	0.013736471	0.014807	0.01503106	0.864573
773	490286.72	3860435.12	0.11144	0.10076	0.03411	0.1701	0.04807	0.14042	0.09669	0.1008	0.81359527	0.004158567	7.935E-08	0.006269419	0.015772	0.013822109	0.015309	0.01531065	0.853616
774	490336.72	3860435.12	0.10998	0.10227	0.03465	0.1697	0.04534	0.14093	0.09891	0.1023	0.80293618	0.004220888	8.061E-08	0.006254676	0.014877	0.01387231	0.015661	0.0155401	0.842281
775	490386.72	3860435.12	0.10823	0.10402	0.04047	0.16673	0.045	0.13977	0.10215	0.104	0.79015987	0.004293114	9.415E-08	0.00614521	0.014765	0.013758127	0.016174	0.01580601	0.829489
776	490436.72	3860435.12	0.10645	0.10581	0.04595	0.16509	0.0426	0.13873	0.10457	0.1058	0.77716454	0.004366991	1.069E-07	0.006084764	0.013978	0.013655755	0.016557	0.01607801	0.815729
777	490486.72	3860435.12	0.10413	0.10767	0.04617	0.16322	0.03838	0.13869	0.10671	0.1077	0.7602268	0.004443757	1.074E-07	0.006015841	0.012593	0.013651818	0.016896	0.01636064	0.797466
778	490536.72	3860435.12	0.10268	0.10963	0.04692	0.16156	0.03958	0.14002	0.10912	0.1096	0.74964072	0.00452465	1.092E-07	0.005954658	0.012987	0.013782735	0.017277	0.01665846	0.787508
779	490586.72	3860435.12	0.10126	0.11143	0.04342	0.16215	0.03961	0.139	0.1118	0.1114	0.73927366	0.004598939	1.01E-07	0.005976404	0.012997	0.013682333	0.017701	0.01693198	0.777298
780	490636.72	3860435.12	0.10004	0.11467	0.04381	0.16066	0.04483	0.13824	0.11523	0.1147	0.73036675	0.004732661	1.019E-07	0.005921487	0.014709	0.013607523	0.018245	0.0174243	0.770158
781	490686.72	3860435.12	0.09856	0.11801	0.04529	0.15947	0.04739	0.13943	0.11752	0.118	0.71956164	0.004870509	1.054E-07	0.005877627	0.015549	0.013724659	0.018607	0.01793182	0.760259
782	490736.72	3860435.12	0.09726	0.12175	0.04615	0.15901	0.04984	0.13921	0.1231	0.1218	0.71007067	0.005024866	1.074E-07	0.005860672	0.016353	0.013703004	0.019491	0.01850012	0.752003
783	490786.72	3860435.12	0.09607	0.12665	0.04674	0.15672	0.04612	0.13881	0.12724	0.1267	0.70138278	0.005227099	1.087E-07	0.005776269	0.015133	0.01366363	0.020146	0.01924468	0.742084
784	490136.72	3860485.12	0.11373	0.08891	0.0241	0.17544	0.04031	0.13679	0.08628	0.0889	0.83031398	0.003669494	5.607E-08	0.006466237	0.013226	0.013464793	0.013661	0.01351002	0.867292
785	490186.72	3860485.12	0.1118	0.09139	0.02665	0.17185	0.04235	0.13654	0.08738	0.0914	0.81622354	0.003771848	6.2E-08	0.006333919	0.013896	0.013440185	0.013835	0.01388686	0.853613
786	490236.72	3860485.12	0.11007	0.0934	0.02843	0.17072	0.04548	0.13616	0.08855	0.0934	0.80359324	0.003854805	6.614E-08	0.006292271	0.014923	0.01340278	0.01402	0.01419229	0.841894
787	490286.72	3860485.12	0.10854	0.09663	0.03086	0.16728	0.04614	0.1365	0.09154	0.0966	0.7924231	0.003988114	7.179E-08	0.006165482	0.015139	0.013436247	0.014494	0.01468309	0.830963
788	490336.72	3860485.12	0.10713	0.09854	0.03181	0.16501	0.04648	0.13695	0.09456	0.0985	0.78212905	0.004066943	7.4E-08	0.006081816	0.015251	0.013480543	0.014972	0.01497332	0.821008
789	490386.72	3860485.12	0.10587	0.10011	0.03469	0.16372	0.04404	0.1366	0.0967	0.1001	0.7729301	0.00413174	8.07E-08	0.00603427	0.01445	0.013446091	0.015311	0.01521188	0.811091
790	490436.72	3860485.12	0.10418	0.10193	0.04089	0.16265	0.0436	0.13607	0.09998	0.1019	0.76059184	0.004206855	9.513E-08	0.005994833	0.014306	0.013393921	0.01583	0.01548843	0.798835
791	490486.72	3860485.12	0.10259	0.10352	0.04291	0.16083	0.04102	0.13532	0.10238	0.1035	0.74898365	0.004272478	9.983E-08	0.005927752	0.013459	0.013320095	0.01621	0.01573004	0.786443
792	490536.72	3860485.12	0.10114	0.1051	0.04264	0.15814	0.03695	0.13606	0.1045	0.1051	0.73839757	0.004337688	9.92E-08	0.005828606	0.012124	0.013392936	0.016546	0.01597012	0.774656
793	490586.72	3860485.12	0.09981	0.10672	0.04355	0.15542	0.03793	0.1356	0.10676	0.1067	0.72868758	0.004404548	1.013E-07	0.005728355	0.012445	0.013347657	0.016904	0.01621628	0.765301
794	490636.72	3860485.12	0.09848	0.1086	0.04023	0.15417	0.03865	0.13393	0.10853	0.1086	0.71897758	0.00448214	9.359E-08	0.005682283	0.012682	0.013183272	0.017184	0.01650195	0.755689
795	490686.72	3860485.12	0.0965	0.11124	0.04065	0.15426	0.04328	0.13277	0.11217	0.1112	0.7045221	0.004591098	9.457E-08	0.0056856	0.014201	0.013069088	0.01776	0.01690311	0.742926
796	490736.72	3860485.12	0.09464	0.11558	0.0424	0.1544	0.04617	0.1351	0.11531	0.1156	0.69094271	0.004770218	9.864E-08	0.00569076	0.015149	0.01329844	0.018257	0.01756258	0.730546
797	490786.72	3860485.12	0.09326	0.11921	0.04275	0.15315	0.04807	0.1357	0.12008	0.1192	0.68086768	0.004920036	9.945E-08	0.005644689	0.015772	0.0133575	0.019012	0.01811416	0.721461
798	490136.72	3860535.12	0.10927	0.08521	0.02169	0.17174	0.03988	0.13489	0.0827	0.0852	0.79775264	0.003516787	5.046E-08	0.006329865	0.013085	0.013277769	0.013094	0.0129478	0.834109
799	490186.72	3860535.12	0.10753	0.08672	0.02476	0.1682	0.03983	0.13482	0.08465	0.0867	0.78504934	0.003579108	5.76E-08	0.00619939	0.013069	0.013270878	0.013403	0.01317725	0.821393
800	490236.72	3860535.12	0.1065	0.08877	0.02635	0.1657	0.04181	0.13476	0.08531	0.0888	0.77752958	0.003663716	6.13E-08	0.006107247	0.013718	0.013264972	0.013507	0.01348875	0.814303
801	490286.72	3860535.12	0.10571	0.09065	0.02733	0.16234	0.0452	0.13295	0.08643	0.0907	0.77176198	0.003741307	6.358E-08	0.005983407	0.014831	0.013086807	0.013685	0.01377442	0.809314
802	490336.72	3860535.12	0.10467	0.09404	0.03052	0.15877	0.04451	0.13208	0.08986	0.094	0.76416921	0.003881219	7.1E-08	0.005851827	0.014604	0.013001169	0.014228	0.01428954	0.801446
803	490386.72	3860535.12	0.10343	0.09676	0.03107	0.15853	0.04394	0.13161	0.09281	0.0968	0.75511628	0.003993479	7.228E-08	0.005842981	0.014417	0.012954905	0.014695	0.01470284	0.792317
804	490436.72	3860535.12	0.10171	0.09827	0.03359	0.15815	0.04286	0.13253	0.09481	0.0983	0.742559	0.0040558	7.814E-08	0.005828975	0.014063	0.013045464	0.015011	0.01493229	0.779631
805	490486.72	3860535.12	0.09969	0.09989	0.03861	0.15843	0.04221	0.13269	0.09812	0.0999	0.72781149	0.00412266	8.982E-08	0.005839295	0.01385	0.013061214	0.015536	0.01517845	0.765041
806	490536.72	3860535.12	0.09782	0.10199	0.03963	0.15614	0.03935	0.13495	0.10087	0.102	0.71415909	0.004209332	9.219E-08	0.005754892	0.012911	0.013283675	0.015971	0.01549755	0.750792
807	490586.72	3860535.12	0.09595	0.10287	0.03979	0.15313	0.0358	0.13335	0.10284	0.1029	0.70050669	0.004245651	9.257E-08	0.005643952	0.011746	0.01312618	0.016283	0.01563127	0.735921
808	490636.72	3860535.12	0.09423	0.10442	0.04007	0.14969	0.03559	0.13161	0.105	0.1044	0.68794941	0.004309623	9.322E-08	0.005517163	0.011678	0.012954905	0.016625	0.01586679	0.723167
809	490686.72	3860535.12	0.0926	0.10629	0.03757	0.14938	0.03773	0.13013	0.10663	0.1063	0.67604919	0.004386801	8.74E-08	0.005505737	0.01238	0.012809223	0.016883	0.01615094	0.711863
810	490736.72	3860535.12	0.09086	0.10847	0.03788	0.14966	0.04189	0.1297	0.10923	0.1085	0.66334589	0.004476774	8.812E-08	0.005516057	0.013745	0.012766896	0.017295	0.0164822	0.700663
811	490786.72	3860535.12	0.089	0.11351	0.03964	0.14902	0.04501	0.13178	0.1139	0.1135	0.6497665	0.004684785	9.222E-08	0.005492468	0.014768	0.012971639	0.018034	0.01724804	0.68847
812	490136.72	3860585.12	0.10552	0.08171	0.02	0.17019	0.04154	0.13442	0.07853	0.0817	0.77037484	0.003372335	4.653E-08	0.006272736	0.01363	0.013231505	0.012434	0.01241597	0.806899
813	490186.72	3860585.12	0.10275	0.08328	0.02225	0.16684	0.03798	0.12995	0.08033	0.0833	0.75015177	0.003437132	5.176E-08	0.006149265	0.012462	0.012791504	0.012719	0.01265454	0.785056
814	490236.72	3860585.12	0.10133	0.0848	0.02487	0.1628	0.03904	0.13105	0.0822	0.0848	0.73978471	0.003499866	5.786E-08	0.006000361	0.01281	0.012899782	0.013015	0.0128855	0.775124
815	490286.72	3860585.12	0.10013	0.08654	0.02682	0.15846	0.04161	0.13127	0.08341	0.0865	0.73102382	0.003571679	6.239E-08	0.005840401	0.013653	0.012921437	0.013206	0.0131499	0.767067
816	490336.72	3860585.12	0.09903	0.08838	0.02781	0.15612	0.04492	0.13035	0.08447	0.0884	0.72299299	0.00364762	6.47E-08	0.005754155	0.014739	0.012830878	0.013374	0.01342949	0.759909
817	490386.72	3860585.12	0.09804	0.09115	0.02952	0.15478	0.04301	0.12946	0.08741	0.0912	0.71576525	0.003761943	6.868E-08	0.005704766	0.014112	0.012743272	0.01384	0.0138504	0.752077
818	490436.72	3860585.12	0.09654	0.09346	0.03057	0.15545	0.04191	0.13057	0.09048	0.0935	0.70481413	0.003857281	7.112E-08	0.00572946	0.013751	0.012852533	0.014326	0.0142014	0.741129
819	490486.72	3860585.12	0.09513	0.09653	0.03484	0.15502	0.04184	0.13121	0.09328	0.0965	0.69452008	0.003983987	8.105E-08	0.005713612	0.013728	0.012915531	0.014769	0.0146679	0.730963
820	490536.72	3860585.12	0.09378	0.09835	0.03655	0.15331	0.04097	0.13109	0.09644	0.0984	0.68466407	0.004059102	8.503E-08	0.005650586	0.013443	0.012903719	0.01527	0.01494445	0.721045
821	490586.72	3860585.12	0.09228	0.09902	0.03668	0.15006	0.03754	0.13089	0.09882	0.099	0.67371295	0.004086754	8.533E-08	0.0055308	0.012317	0.012884032	0.015646	0.01504626	0.709132
822	490636.72	3860585.12	0.09069	0.10063	0.03725	0.147	0.03469	0.13042	0.10119	0.1006	0.66210476	0.004153202	8.666E-08	0.005418017	0.011382	0.012837768	0.016022	0.0152909	0.696627

823	490686.72	3860585.12	0.08917	0.10239	0.0355	0.14586	0.03344	0.12879	0.10327	0.1024	0.65100763	0.00422584	8.259E-08	0.005375999	0.010972	0.012677321	0.016351	0.01555833	0.685052
824	490736.72	3860585.12	0.08776	0.10451	0.03516	0.14442	0.03683	0.12667	0.10454	0.1045	0.64071357	0.004313337	8.18E-08	0.005322925	0.012084	0.012468641	0.016552	0.01588047	0.675575
825	490786.72	3860585.12	0.08653	0.10699	0.03567	0.1437	0.04094	0.12656	0.10652	0.107	0.63173365	0.004415692	8.298E-08	0.005296388	0.013433	0.012457813	0.016866	0.01625731	0.667945
826	490136.72	3860635.12	0.10353	0.07939	0.01873	0.16714	0.03997	0.13056	0.07559	0.0794	0.75584636	0.003276584	4.357E-08	0.006160322	0.013115	0.012851549	0.011968	0.01206344	0.791154
827	490186.72	3860635.12	0.10168	0.08029	0.02033	0.16403	0.03918	0.12907	0.0767	0.0803	0.74233997	0.003313729	4.73E-08	0.006045696	0.012855	0.012704882	0.012144	0.0122002	0.777204
828	490236.72	3860635.12	0.09865	0.08164	0.02254	0.16	0.03671	0.12658	0.0787	0.0816	0.72021871	0.003369446	5.244E-08	0.005897161	0.012045	0.012459782	0.012461	0.01240534	0.754046
829	490286.72	3860635.12	0.09704	0.08305	0.02459	0.15656	0.03844	0.12439	0.08034	0.0831	0.70846451	0.00342764	5.721E-08	0.005770372	0.012613	0.012244211	0.01272	0.01261959	0.74262
830	490336.72	3860635.12	0.0957	0.0846	0.02523	0.1539	0.0414	0.12464	0.08159	0.0846	0.69868151	0.003491612	5.869E-08	0.005672332	0.013584	0.01226882	0.012918	0.01285511	0.733761
831	490386.72	3860635.12	0.09397	0.08645	0.02758	0.15201	0.04349	0.12305	0.08303	0.0865	0.68605121	0.003567965	6.416E-08	0.005602671	0.01427	0.012112309	0.013146	0.01313622	0.721614
832	490436.72	3860635.12	0.09231	0.08872	0.02795	0.15153	0.04159	0.12223	0.08592	0.0887	0.67393197	0.003661652	6.502E-08	0.00558498	0.013646	0.012031594	0.013604	0.01348115	0.708979
833	490486.72	3860635.12	0.09075	0.09154	0.02954	0.15073	0.04062	0.12218	0.08848	0.0915	0.66254281	0.003778039	6.872E-08	0.005555494	0.013328	0.012026672	0.014009	0.01390966	0.697331
834	490536.72	3860635.12	0.08937	0.09311	0.03353	0.15034	0.04052	0.12211	0.0906	0.0931	0.65246778	0.003842836	7.8E-08	0.00554112	0.013295	0.012019781	0.014345	0.01414822	0.687363
835	490586.72	3860635.12	0.08812	0.09483	0.03451	0.14751	0.0396	0.12133	0.0944	0.0948	0.64334184	0.003913824	8.028E-08	0.005436814	0.012993	0.011943003	0.014947	0.01440958	0.678166
836	490636.72	3860635.12	0.08705	0.09726	0.03458	0.14487	0.03604	0.12184	0.09765	0.0973	0.63553004	0.004014115	8.045E-08	0.005339511	0.011825	0.011993204	0.015461	0.01477882	0.669384
837	490686.72	3860635.12	0.08605	0.09921	0.03502	0.14258	0.03365	0.12258	0.09999	0.0992	0.6282293	0.004094596	8.147E-08	0.005255108	0.011041	0.012066045	0.015832	0.01507513	0.661443
838	490736.72	3860635.12	0.08498	0.10101	0.03286	0.13986	0.03209	0.12224	0.1014	0.101	0.6204175	0.004168885	7.645E-08	0.005154856	0.010529	0.012032578	0.016055	0.01534864	0.653009
839	490786.72	3860635.12	0.08409	0.10331	0.03301	0.13802	0.03596	0.12334	0.10269	0.1033	0.61391983	0.004263811	7.679E-08	0.005087038	0.011799	0.012140855	0.016259	0.01569813	0.647772
840	490136.72	3860685.12	0.10036	0.07713	0.01739	0.16409	0.04122	0.11813	0.07306	0.0771	0.73270299	0.00318331	4.046E-08	0.006047907	0.013525	0.011628014	0.011568	0.01172003	0.766935
841	490186.72	3860685.12	0.09909	0.07851	0.01893	0.16027	0.03865	0.11706	0.07458	0.0785	0.72343104	0.003240265	4.404E-08	0.005907112	0.012682	0.01152269	0.011808	0.01192973	0.756661
842	490236.72	3860685.12	0.09747	0.07905	0.02069	0.15576	0.03723	0.11716	0.07518	0.0791	0.71160383	0.003262552	4.813E-08	0.005740886	0.012216	0.011532533	0.011903	0.01201178	0.744247
843	490286.72	3860685.12	0.0948	0.08032	0.02258	0.15253	0.03615	0.11604	0.07706	0.0803	0.69211083	0.003314967	5.253E-08	0.005621837	0.011861	0.011422287	0.012201	0.01220476	0.724328
844	490336.72	3860685.12	0.09332	0.08173	0.02476	0.15001	0.03815	0.1156	0.079	0.0817	0.68130573	0.003373161	5.76E-08	0.005528957	0.012518	0.011378976	0.012508	0.01241901	0.714194
845	490386.72	3860685.12	0.09186	0.0832	0.0242	0.14871	0.04121	0.11479	0.0803	0.0832	0.67064664	0.003433831	5.63E-08	0.005481043	0.013522	0.011299244	0.012714	0.01264238	0.704454
846	490436.72	3860685.12	0.09042	0.08476	0.02679	0.14743	0.04195	0.11363	0.08162	0.0848	0.66013356	0.003498215	6.232E-08	0.005433865	0.013764	0.011185061	0.012923	0.01287942	0.694059
847	490486.72	3860685.12	0.08886	0.08665	0.02725	0.14745	0.04023	0.11302	0.08439	0.0867	0.64874439	0.003576219	6.339E-08	0.005434602	0.0132	0.011125016	0.013362	0.01316661	0.682275
848	490536.72	3860685.12	0.08723	0.08941	0.03002	0.14622	0.03945	0.11388	0.08682	0.0894	0.63684418	0.00369013	6.984E-08	0.005389268	0.012944	0.011209669	0.013746	0.013586	0.670238
849	490586.72	3860685.12	0.08565	0.09109	0.0319	0.14406	0.03918	0.11451	0.08876	0.0911	0.625309	0.003759467	7.421E-08	0.005309656	0.012855	0.011271683	0.014054	0.01384128	0.658718
850	490636.72	3860685.12	0.08431	0.09273	0.03236	0.14119	0.03825	0.1152	0.09209	0.0927	0.615526	0.003827153	7.528E-08	0.005203876	0.01255	0.011339602	0.014581	0.01409048	0.648937
851	490686.72	3860685.12	0.08314	0.0947	0.0327	0.13858	0.03497	0.11572	0.09545	0.0947	0.60698412	0.003908459	7.607E-08	0.005107679	0.011474	0.011390788	0.015113	0.01438982	0.639588
852	490736.72	3860685.12	0.08236	0.09668	0.03236	0.13655	0.03264	0.11586	0.09861	0.0967	0.60128954	0.003990177	7.528E-08	0.005032858	0.01071	0.011404569	0.015613	0.01469069	0.633349
853	490786.72	3860685.12	0.08182	0.09961	0.03071	0.13415	0.03138	0.11739	0.10033	0.0996	0.59734713	0.004111104	7.144E-08	0.004944401	0.010296	0.011555173	0.015885	0.01513591	0.629004
854	490136.72	3860735.12	0.09472	0.07466	0.01693	0.15883	0.04298	0.11491	0.06997	0.0747	0.69152677	0.003081368	3.939E-08	0.005854038	0.014102	0.011311056	0.011078	0.01134471	0.725609
855	490186.72	3860735.12	0.09287	0.07589	0.01764	0.1559	0.03803	0.11285	0.07096	0.0759	0.67802039	0.003132132	4.104E-08	0.005746046	0.012478	0.011108282	0.011235	0.01153161	0.710189
856	490236.72	3860735.12	0.09192	0.07694	0.01907	0.15262	0.03752	0.10974	0.07195	0.0769	0.67108468	0.003175468	4.436E-08	0.005625154	0.012311	0.010802152	0.011392	0.01169116	0.702699
857	490286.72	3860735.12	0.09083	0.07808	0.02069	0.14979	0.03559	0.10861	0.0738	0.0781	0.66312687	0.003222518	4.813E-08	0.005520848	0.011678	0.010690922	0.011685	0.01186439	0.694059
858	490336.72	3860735.12	0.08883	0.07929	0.02223	0.14704	0.03573	0.10824	0.07606	0.0793	0.64852537	0.003272457	5.172E-08	0.005419491	0.011723	0.010654501	0.012043	0.01204825	0.67959
859	490386.72	3860735.12	0.08778	0.08065	0.02279	0.14546	0.038	0.10902	0.07794	0.0807	0.64085959	0.003328587	5.302E-08	0.005361256	0.012468	0.01073128	0.01234	0.0122549	0.672835
860	490436.72	3860735.12	0.08683	0.08209	0.0265	0.14446	0.04107	0.11005	0.07942	0.0821	0.63392388	0.003388019	6.165E-08	0.005324399	0.013476	0.010832667	0.012575	0.01247371	0.667046
861	490486.72	3860735.12	0.08572	0.08367	0.02576	0.14357	0.04059	0.10848	0.08065	0.0837	0.62582005	0.003453229	5.993E-08	0.005291596	0.013318	0.010678125	0.012769	0.0127138	0.658617
862	490536.72	3860735.12	0.08458	0.0852	0.02699	0.143	0.03806	0.10726	0.08287	0.0852	0.6174972	0.003516375	6.279E-08	0.005270588	0.012488	0.010558036	0.013121	0.01294628	0.649505
863	490586.72	3860735.12	0.08355	0.08751	0.02995	0.14069	0.03834	0.1073	0.08515	0.0875	0.60997743	0.003611713	6.968E-08	0.005185447	0.01258	0.010561973	0.013482	0.01329729	0.642101
864	490636.72	3860735.12	0.08256	0.08965	0.03042	0.13748	0.03793	0.10762	0.08723	0.0897	0.60274969	0.003700035	7.077E-08	0.005067136	0.012445	0.010593472	0.013811	0.01362247	0.634745
865	490686.72	3860735.12	0.08165	0.09123	0.03074	0.1353	0.0367	0.10735	0.09068	0.0912	0.59610601	0.003765245	7.151E-08	0.004986787	0.012042	0.010566895	0.014358	0.01386255	0.627962
866	490736.72	3860735.12	0.08076	0.09292	0.03101	0.13374	0.03393	0.107	0.09434	0.0929	0.58960834	0.003834995	7.214E-08	0.004929289	0.011133	0.010532443	0.014937	0.01411935	0.620856
867	490136.72	3860785.12	0.09436	0.07187	0.0165	0.15677	0.04391	0.10748	0.06712	0.0719	0.6888985	0.002966219	3.839E-08	0.005778112	0.014407	0.010579691	0.010627	0.01092077	0.722336
868	490186.72	3860785.12	0.09127	0.07339	0.0165	0.15307	0.04004	0.106	0.06826	0.0734	0.6663392	0.003028952	3.839E-08	0.00564174	0.013138	0.010434009	0.010808	0.01115173	0.698238
869	490236.72	3860785.12	0.08905	0.0749	0.01766	0.15044	0.03635	0.10443	0.0699	0.0749	0.65013154	0.003091273	4.108E-08	0.005544806	0.011927	0.010279468	0.011067	0.01138118	0.68066
870	490286.72	3860785.12	0.08762	0.07602	0.01911	0.14728	0.03576	0.10344	0.07098	0.076	0.63969147	0.003137498	4.446E-08	0.005428337	0.011733	0.010182018	0.011238	0.01155137	0.66986
871	490336.72	3860785.12	0.08691	0.07716	0.02063	0.14457	0.03417	0.10213	0.07286	0.0772	0.63450794	0.003184548	4.799E-08	0.005328453	0.011212	0.010053069	0.011536	0.01172459	0.664097
872	490386.72	3860785.12	0.08528	0.07843	0.02226	0.14248	0.03529	0.1024	0.07522	0.0784	0.62260772	0.003236963	5.179E-08	0.005251422	0.011579	0.010079646	0.01191	0.01191757	0.652747
873	490436.72	3860785.12	0.08423	0.07971	0.02242	0.14121	0.03783	0.10243	0.07721	0.0797	0.61494194	0.003289791	5.216E-08	0.005204613	0.012413	0.010082599	0.012225	0.01211207	0.646044
874	490486.72	3860785.12	0.0833	0.08116	0.02637	0.14077	0.04079	0.10303	0.07855	0.0812	0.60815224	0.003349636	6.135E-08	0.005188396	0.013384	0.01014166	0.012437	0.0123324	0.64032
875	490536.72	3860785.12	0.08227	0.08262	0.02563	0.13982	0.03921	0.10306	0.07978	0.0826	0.60063247	0.003409893	5.963E-08	0.005153382	0.012865	0.010144613	0.012632	0.01255425	0.632283
876	490586.72	3860785.12	0.08121	0.08408	0.02734	0.13782	0.03689	0.10196	0.08144	0.0841	0.59289368	0.00347015	6.36E-08	0.005079667	0.012104	0.010036335	0.012895	0.0127761	0.623702
877	490636.72	3860785.12	0.08024	0.08588	0.02873	0.13473	0.0373	0.09926	0.08348	0.0859	0.58581195	0.00354444	6.684E-08	0.004965778	0.012239	0.009770563	0.013218	0.01304961	0.616499
878	490686.72	3860785.12	0.07932	0.08814	0.02906	0.1322	0.03677	0.09821	0.08587	0.0881	0.57909527	0.003637714	6.76E-08	0.004872529	0.012065	0.009667208	0.013596	0.01339302	0.60954
879	490736.72	3860785.12	0.07845	0.0897	0.02928	0.13045	0.03507	0.0981	0.08892	0.0897	0.57274362	0.003702099	6.812E-08	0.004808029	0.011507	0.00965638	0.014079	0.01363007	0.602866
880	490086.72	3860835.12	0.09355	0.06878	0.01523	0.15536	0.04811	0.09844	0.06508	0.0688	0.6829849	0.002838688	3.543E-08	0.005726143	0.015786	0.009689848	0.010304	0.01045124	0.716878
881	490136.72	3860835.12	0.09124	0.06975	0.01499	0.15414	0.045	0.09689	0.06574	0.0698	0.66612017	0.002878722	3.487E-08	0.005681177	0.014765	0.009537275	0.010409	0.01059863	0.698793

882	490186.72	3860835.12	0.08857	0.07055	0.0155	0.15161	0.04189	0.09649	0.0663	0.0706	0.64662718	0.00291174	3.606E-08	0.005587929	0.013745	0.009497901	0.010497	0.01072019	0.678147
883	490236.72	3860835.12	0.086	0.07205	0.01641	0.14836	0.0371	0.09693	0.06741	0.0721	0.62786426	0.002973648	3.818E-08	0.005468142	0.012173	0.009541212	0.010673	0.01094812	0.657745
884	490286.72	3860835.12	0.08383	0.0737	0.01786	0.14547	0.03509	0.09627	0.06893	0.0737	0.61202164	0.003041747	4.155E-08	0.005361625	0.011514	0.009476246	0.010914	0.01119884	0.64113
885	490336.72	3860835.12	0.08245	0.07514	0.01884	0.14257	0.03465	0.09558	0.06999	0.0751	0.60194661	0.003101178	4.383E-08	0.005254739	0.011369	0.009408326	0.011082	0.01141765	0.630744
886	490386.72	3860835.12	0.08087	0.07631	0.02008	0.14049	0.03304	0.09473	0.07199	0.0763	0.59041142	0.003149467	4.671E-08	0.005178076	0.010841	0.009324657	0.011398	0.01159543	0.618707
887	490436.72	3860835.12	0.08007	0.07765	0.02048	0.13875	0.03511	0.09388	0.07436	0.0777	0.58457083	0.003204771	4.764E-08	0.005113944	0.01152	0.009240988	0.011774	0.01179905	0.613625
888	490486.72	3860835.12	0.07922	0.07911	0.02393	0.13699	0.03766	0.09394	0.07692	0.0791	0.57836519	0.003265028	5.567E-08	0.005049075	0.012357	0.009246894	0.012179	0.0120209	0.608441
889	490536.72	3860835.12	0.07836	0.08036	0.02552	0.13582	0.03974	0.09387	0.07813	0.0804	0.57208655	0.003316618	5.937E-08	0.005005953	0.013039	0.009240004	0.01237	0.01221084	0.602848
890	490586.72	3860835.12	0.07758	0.08172	0.02571	0.13522	0.03789	0.09402	0.07928	0.0817	0.56639197	0.003372748	5.981E-08	0.004983838	0.012432	0.009254769	0.012553	0.01241749	0.596571
891	490636.72	3860835.12	0.07699	0.08319	0.02722	0.13214	0.03583	0.09445	0.08056	0.0832	0.56208453	0.003433418	6.332E-08	0.004870318	0.011756	0.009297096	0.012755	0.01264086	0.591556
892	490686.72	3860835.12	0.07657	0.08484	0.02761	0.12939	0.03637	0.09532	0.08243	0.0848	0.55901821	0.003501517	6.423E-08	0.00476896	0.011933	0.009382733	0.013051	0.01289158	0.588765
893	490736.72	3860835.12	0.07619	0.08698	0.02781	0.12819	0.03571	0.09365	0.08492	0.087	0.55624393	0.003589839	6.47E-08	0.004724732	0.011717	0.009218348	0.013446	0.01321676	0.585723
894	490086.72	3860885.12	0.08976	0.06744	0.01622	0.15333	0.04879	0.09561	0.06413	0.0674	0.65531507	0.002783384	3.773E-08	0.005651323	0.016009	0.009411279	0.010154	0.01024762	0.689076
895	490136.72	3860885.12	0.08771	0.06814	0.01425	0.15103	0.046	0.09367	0.06465	0.0681	0.64034854	0.002812274	3.315E-08	0.005566551	0.015093	0.009220317	0.010236	0.01035399	0.672923
896	490186.72	3860885.12	0.0848	0.0689	0.01424	0.14959	0.04293	0.09171	0.0649	0.0689	0.61910336	0.002843641	3.313E-08	0.005513477	0.014086	0.009027386	0.010276	0.01046947	0.65038
897	490236.72	3860885.12	0.08232	0.06973	0.01551	0.14638	0.03933	0.09093	0.06547	0.0697	0.60099751	0.002877897	3.608E-08	0.005395165	0.012905	0.008950608	0.010366	0.01059559	0.630896
898	490286.72	3860885.12	0.08039	0.07106	0.01636	0.14324	0.03463	0.09054	0.06676	0.0711	0.58690707	0.002932789	3.806E-08	0.005279433	0.011363	0.008912219	0.01057	0.01079769	0.615167
899	490336.72	3860885.12	0.07884	0.07264	0.01761	0.13989	0.03391	0.09039	0.06805	0.0726	0.57559091	0.002997998	4.097E-08	0.005155962	0.011126	0.008897453	0.010774	0.01103777	0.603505
900	490386.72	3860885.12	0.07855	0.07443	0.01851	0.13815	0.03336	0.09043	0.0694	0.0744	0.57347369	0.003071875	4.306E-08	0.00509183	0.010946	0.008901391	0.010988	0.01130976	0.601163
901	490436.72	3860885.12	0.07735	0.07576	0.0201	0.13687	0.03257	0.0899	0.07152	0.0758	0.56471279	0.003126767	4.676E-08	0.005044653	0.010687	0.008849221	0.011324	0.01151186	0.592232
902	490486.72	3860885.12	0.07613	0.07703	0.01976	0.13484	0.03501	0.08928	0.07379	0.077	0.55580588	0.003179182	4.597E-08	0.004969832	0.011487	0.008788192	0.011683	0.01170484	0.584209
903	490536.72	3860885.12	0.0754	0.07832	0.02504	0.13358	0.03748	0.0888	0.07625	0.0783	0.55047634	0.003232423	5.825E-08	0.004923392	0.012298	0.008740943	0.012073	0.01190086	0.579843
904	490586.72	3860885.12	0.07489	0.07976	0.02514	0.13232	0.03837	0.08835	0.07806	0.0798	0.54675296	0.003291855	5.849E-08	0.004876952	0.01259	0.008696648	0.012359	0.01211967	0.576448
905	490636.72	3860885.12	0.07437	0.08103	0.02581	0.1298	0.03557	0.08862	0.0792	0.081	0.54295657	0.00334427	6.004E-08	0.004784072	0.011671	0.008723225	0.01254	0.01231264	0.571706
906	490686.72	3860885.12	0.07406	0.08252	0.02627	0.12689	0.03486	0.08943	0.08043	0.0825	0.54069334	0.003405766	6.111E-08	0.004676817	0.011438	0.008802957	0.012735	0.01253905	0.569213
907	490736.72	3860885.12	0.07376	0.08427	0.02654	0.1237	0.03539	0.09065	0.08199	0.0843	0.53850311	0.003477992	6.174E-08	0.004559243	0.011612	0.008923046	0.012982	0.01280497	0.567252
908	490086.72	3860935.12	0.08418	0.06612	0.01668	0.15121	0.04691	0.09444	0.06326	0.0661	0.6145769	0.002728905	3.88E-08	0.005573186	0.015392	0.009296111	0.010016	0.01004705	0.647536
909	490136.72	3860935.12	0.08375	0.06666	0.01547	0.14767	0.04689	0.09258	0.06343	0.0667	0.61143758	0.002751192	3.599E-08	0.005442711	0.015385	0.009113024	0.010043	0.0101291	0.644044
910	490186.72	3860935.12	0.08361	0.06744	0.01404	0.14617	0.04391	0.09086	0.06376	0.0674	0.61041547	0.002783384	3.266E-08	0.005387425	0.014407	0.008943717	0.010095	0.01024762	0.641785
911	490236.72	3860935.12	0.08086	0.0684	0.01463	0.14447	0.04099	0.08906	0.06412	0.0684	0.59033842	0.002823005	3.404E-08	0.005324768	0.013449	0.008766536	0.010152	0.01039349	0.620461
912	490286.72	3860935.12	0.07786	0.0694	0.01511	0.14081	0.03646	0.08783	0.06479	0.0694	0.56843618	0.002864277	3.515E-08	0.00518987	0.011963	0.008645462	0.010258	0.01054545	0.596812
913	490336.72	3860935.12	0.07583	0.07045	0.01636	0.13825	0.0334	0.08702	0.06614	0.0705	0.55361566	0.002907613	3.806E-08	0.005095516	0.010959	0.008565731	0.010472	0.010705	0.580911
914	490386.72	3860935.12	0.07447	0.07208	0.01731	0.13645	0.03288	0.0875	0.06746	0.0721	0.54368664	0.002974886	4.027E-08	0.005029173	0.010788	0.008612979	0.010681	0.01095268	0.57082
915	490436.72	3860935.12	0.07437	0.07377	0.01817	0.13492	0.03212	0.08755	0.06908	0.0738	0.54295657	0.003044636	4.227E-08	0.004972781	0.010539	0.008617901	0.010938	0.01120948	0.569859
916	490486.72	3860935.12	0.0742	0.07536	0.01878	0.13347	0.03221	0.08682	0.07107	0.0754	0.54171544	0.003110258	4.369E-08	0.004919338	0.010569	0.008546044	0.011253	0.01145108	0.568661
917	490536.72	3860935.12	0.07311	0.07681	0.02095	0.13146	0.0349	0.0871	0.07331	0.0768	0.53375763	0.003170103	4.874E-08	0.004845255	0.011451	0.008573605	0.011607	0.01167141	0.561734
918	490586.72	3860935.12	0.07215	0.07807	0.02413	0.12924	0.03729	0.08681	0.07562	0.0781	0.52674891	0.003222105	5.614E-08	0.004763432	0.012235	0.00854506	0.011973	0.01186287	0.555625
919	490636.72	3860935.12	0.07177	0.07929	0.02448	0.12727	0.03709	0.0869	0.07811	0.0793	0.52397463	0.003272457	5.695E-08	0.004690823	0.01217	0.008553919	0.012367	0.01204825	0.552981
920	490686.72	3860935.12	0.07148	0.08111	0.02503	0.12347	0.03333	0.0873	0.07951	0.0811	0.52185741	0.003347572	5.823E-08	0.004550765	0.010936	0.008593292	0.012589	0.0123248	0.549549
921	490736.72	3860935.12	0.07117	0.0826	0.02537	0.12064	0.034	0.08753	0.08051	0.0826	0.51959418	0.003409068	5.902E-08	0.004446459	0.011156	0.008615932	0.012747	0.01255121	0.547418
922	490786.72	3860935.12	0.07092	0.08433	0.02544	0.11888	0.03443	0.08778	0.08224	0.0843	0.51776899	0.003480468	5.918E-08	0.004381591	0.011297	0.008640541	0.013021	0.01281409	0.545776
923	490836.72	3860935.12	0.07076	0.0864	0.0256	0.11753	0.03314	0.08878	0.084	0.0864	0.51660087	0.003565901	5.956E-08	0.004331833	0.010874	0.008738975	0.0133	0.01312863	0.544283
924	490086.72	3860985.12	0.0833	0.06494	0.01628	0.14902	0.0423	0.09406	0.06229	0.0649	0.60815224	0.002680204	3.787E-08	0.005492468	0.013879	0.009258706	0.009862	0.00986774	0.639458
925	490136.72	3860985.12	0.08114	0.06553	0.01568	0.14554	0.04622	0.09257	0.06253	0.0655	0.59238263	0.002704554	3.648E-08	0.005364205	0.015165	0.00911204	0.0099	0.00995739	0.624672
926	490186.72	3860985.12	0.07939	0.06622	0.01462	0.14423	0.04493	0.09112	0.06287	0.0662	0.57960632	0.002733032	3.401E-08	0.005315922	0.014742	0.00896931	0.009954	0.01006224	0.611259
927	490236.72	3860985.12	0.07865	0.06691	0.01388	0.14239	0.04199	0.08934	0.06305	0.0669	0.57420377	0.00276151	3.229E-08	0.005248105	0.013777	0.008794098	0.009983	0.01016709	0.604601
928	490286.72	3860985.12	0.07676	0.06783	0.01468	0.13983	0.03873	0.08762	0.06353	0.0678	0.56040535	0.00279948	3.415E-08	0.00515375	0.012708	0.008624791	0.010059	0.01030688	0.589443
929	490336.72	3860985.12	0.07383	0.0688	0.01504	0.13691	0.03386	0.08727	0.06426	0.0688	0.53901416	0.002839514	3.499E-08	0.005046127	0.01111	0.008590339	0.010174	0.01045428	0.56632
930	490386.72	3860985.12	0.07286	0.06983	0.01607	0.13515	0.0323	0.08764	0.06559	0.0698	0.53193244	0.002882024	3.739E-08	0.004981258	0.010598	0.00862676	0.010385	0.01061079	0.558795
931	490436.72	3860985.12	0.07126	0.07135	0.01711	0.13353	0.03195	0.08817	0.06703	0.0714	0.52025124	0.002944757	3.98E-08	0.004921549	0.010483	0.00867893	0.010613	0.01084175	0.547051
932	490486.72	3860985.12	0.07087	0.07293	0.01831	0.1321	0.0306	0.08754	0.06854	0.0729	0.51740395	0.003009967	4.26E-08	0.004868844	0.01004	0.008616916	0.010852	0.01108184	0.54371
933	490536.72	3860985.12	0.07055	0.07458	0.01801	0.12894	0.03224	0.08554	0.0704	0.0746	0.51506771	0.003078066	4.19E-08	0.004752375	0.010578	0.008420048	0.011147	0.01133256	0.541711
934	490586.72	3860985.12	0.07037	0.07592	0.02223	0.12509	0.03475	0.08459	0.0725	0.0759	0.51375358	0.003133371	5.172E-08	0.004610474	0.011402	0.008326536	0.011479	0.01153617	0.541169
935	490636.72	3860985.12	0.06966	0.0774	0.02336	0.12332	0.03711	0.08465	0.07488	0.0774	0.50857005	0.003194453	5.434E-08	0.004545237	0.012176	0.008332442	0.011856	0.01176106	0.536913
936	490686.72	3860985.12	0.06946	0.07859	0.02383	0.12193	0.0358	0.08469	0.07738	0.0786	0.5071099	0.003243567	5.544E-08	0.004494005	0.011746	0.008336379	0.012252	0.01194188	0.53524
937	490736.72	3860985.12	0.06922	0.0804	0.02426	0.11948	0.03157	0.08454	0.07876	0.0804	0.50535772	0.003318269	5.644E-08	0.004403705	0.010359	0.008321614	0.01247	0.01221692	0.532013
938	490786.72	3860985.12	0.06901	0.08221	0.02451	0.11718	0.0332	0.08433	0.07984	0.0822	0.50382456	0.003392971	5.702E-08	0.004318933	0.010893	0.008300943	0.012641	0.01249195	0.53088
939	490836.72	3860985.12	0.06881	0.0843	0.02439	0.11558	0.03344	0.08499	0.08223	0.0843	0.50236441	0.00347923	5.674E-08	0.004259962	0.010972	0.00836591	0.01302	0.01280953	0.529652
940	490086.72	3861035.12	0.07999	0.06206	0.01587	0.14735	0.03965	0.09254	0.06055	0.0621	0.58398677	0.002561341	3.692E-08	0.005430917	0.01301	0.009109087	0.009587	0.00943012	0.614255

941	490136.72	3861035.12	0.07907	0.06317	0.01545	0.14374	0.04312	0.09136	0.06083	0.0632	0.57727008	0.002607152	3.594E-08	0.005297862	0.014148	0.008992935	0.009631	0.00959879	0.608349
942	490186.72	3861035.12	0.0781	0.06435	0.01504	0.14115	0.04468	0.08996	0.06123	0.0644	0.57018836	0.002655853	3.499E-08	0.005202402	0.01466	0.008855127	0.009695	0.00977809	0.601478
943	490236.72	3861035.12	0.07636	0.06561	0.01362	0.14044	0.04297	0.08857	0.06207	0.0656	0.55748506	0.002707856	3.169E-08	0.005176233	0.014099	0.008718304	0.009828	0.00996955	0.588045
944	490286.72	3861035.12	0.0751	0.06622	0.01414	0.13886	0.04014	0.08704	0.06253	0.0662	0.54828611	0.002733032	3.29E-08	0.005117999	0.01317	0.008567699	0.0099	0.01006224	0.577714
945	490336.72	3861035.12	0.07266	0.06713	0.01465	0.13574	0.03593	0.0869	0.06306	0.0671	0.53047229	0.00277059	3.408E-08	0.005003004	0.011789	0.008553919	0.009984	0.01020052	0.558373
946	490386.72	3861035.12	0.07001	0.06828	0.01502	0.13369	0.03197	0.08797	0.06402	0.0683	0.51112531	0.002818052	3.494E-08	0.004927447	0.01049	0.008659243	0.010136	0.01037526	0.537781
947	490436.72	3861035.12	0.06879	0.06935	0.01581	0.13203	0.03113	0.08914	0.06515	0.0694	0.5022184	0.002862213	3.678E-08	0.004866264	0.010214	0.008774411	0.010315	0.01053785	0.528713
948	490486.72	3861035.12	0.06821	0.0704	0.01681	0.12963	0.03107	0.08861	0.06641	0.0704	0.49798397	0.002905549	3.911E-08	0.004777806	0.010194	0.008722241	0.010515	0.0106974	0.524402
949	490536.72	3861035.12	0.06828	0.07196	0.01736	0.12547	0.02998	0.08706	0.06787	0.072	0.49849502	0.002969933	4.039E-08	0.00462448	0.009837	0.008569668	0.010746	0.01093444	0.524308
950	490586.72	3861035.12	0.06808	0.07357	0.01858	0.12177	0.03229	0.0853	0.06973	0.0736	0.49703487	0.003036381	4.322E-08	0.004488108	0.010595	0.008396424	0.01104	0.01117909	0.523412
951	490636.72	3861035.12	0.06791	0.07496	0.02244	0.12014	0.03463	0.0835	0.07176	0.075	0.49579374	0.003093749	5.22E-08	0.004428031	0.011363	0.008219243	0.011362	0.0113903	0.522869
952	490686.72	3861035.12	0.06695	0.07635	0.02281	0.11998	0.03652	0.08318	0.074	0.0764	0.48878502	0.003151117	5.306E-08	0.004422134	0.011983	0.008187744	0.011717	0.01160151	0.516644
953	490736.72	3861035.12	0.06635	0.07785	0.02318	0.11809	0.03348	0.0822	0.07647	0.0779	0.48440458	0.003213026	5.393E-08	0.004352473	0.010985	0.008091279	0.012108	0.01182944	0.511325
954	490786.72	3861035.12	0.06637	0.07958	0.02352	0.11638	0.03067	0.08152	0.07808	0.0796	0.48455059	0.003284426	5.472E-08	0.004289447	0.010063	0.008024343	0.012363	0.01209231	0.510482
955	490836.72	3861035.12	0.06639	0.08144	0.02371	0.11461	0.03242	0.08142	0.07904	0.0814	0.48469661	0.003361192	5.516E-08	0.00422421	0.010637	0.0080145	0.012515	0.01237494	0.511074
956	490086.72	3861085.12	0.07469	0.06024	0.01547	0.14601	0.03742	0.09124	0.05949	0.0602	0.54529281	0.002486226	3.599E-08	0.005381528	0.012278	0.008981122	0.009419	0.00915357	0.574685
957	490136.72	3861085.12	0.0749	0.06138	0.01521	0.14198	0.03946	0.08983	0.05988	0.0614	0.54682596	0.002533276	3.538E-08	0.005232993	0.012947	0.00884233	0.009481	0.00932679	0.576536
958	490186.72	3861085.12	0.07434	0.06187	0.01505	0.13952	0.044	0.08906	0.06027	0.0619	0.54273755	0.002553499	3.501E-08	0.005142324	0.014437	0.008766536	0.009543	0.00940125	0.573778
959	490236.72	3861085.12	0.07376	0.06235	0.01309	0.13778	0.0433	0.08825	0.06062	0.0624	0.53850311	0.002573309	3.045E-08	0.005078193	0.014207	0.008686805	0.009598	0.00947419	0.569173
960	490286.72	3861085.12	0.07355	0.06278	0.01372	0.13719	0.04114	0.08748	0.06108	0.0628	0.53696996	0.002591056	3.192E-08	0.005056447	0.013499	0.00861101	0.009671	0.00953953	0.566858
961	490336.72	3861085.12	0.07186	0.06378	0.01403	0.13491	0.03824	0.08813	0.06164	0.0638	0.52463169	0.002632328	3.264E-08	0.004972412	0.012547	0.008674993	0.00976	0.00969148	0.553527
962	490386.72	3861085.12	0.06944	0.06527	0.01443	0.13169	0.03343	0.08891	0.06247	0.0653	0.50696388	0.002693824	3.357E-08	0.004853732	0.010969	0.008751771	0.009891	0.00991789	0.534205
963	490436.72	3861085.12	0.06738	0.0668	0.01489	0.12907	0.0309	0.08825	0.06363	0.0668	0.49192435	0.00275697	3.464E-08	0.004757166	0.010139	0.008686805	0.010075	0.01015037	0.518188
964	490486.72	3861085.12	0.06555	0.0684	0.01557	0.12646	0.03037	0.08705	0.06475	0.0684	0.47856398	0.002823005	3.622E-08	0.004660969	0.009965	0.008568684	0.010252	0.01039349	0.50444
965	490536.72	3861085.12	0.06467	0.0697	0.01701	0.1233	0.03022	0.08701	0.066	0.0697	0.47213932	0.002876659	3.957E-08	0.0045445	0.009916	0.008564746	0.01045	0.01059103	0.4979
966	490586.72	3861085.12	0.06335	0.07099	0.01694	0.12057	0.02977	0.08512	0.06725	0.071	0.46250233	0.0029299	3.941E-08	0.004443879	0.009768	0.008378706	0.010648	0.01078705	0.487884
967	490636.72	3861085.12	0.06345	0.0726	0.01957	0.11796	0.0323	0.08311	0.06907	0.0726	0.46323241	0.002996347	4.553E-08	0.004347682	0.010598	0.008180854	0.010936	0.01103169	0.48926
968	490686.72	3861085.12	0.06386	0.07422	0.02158	0.11702	0.03447	0.08171	0.0711	0.0742	0.46622572	0.003063208	5.02E-08	0.004313036	0.01131	0.008043046	0.011257	0.01127785	0.492935
969	490736.72	3861085.12	0.06342	0.07567	0.02227	0.11712	0.03534	0.08061	0.07342	0.0757	0.46301339	0.003123053	5.181E-08	0.004316722	0.011596	0.007934769	0.011625	0.01149818	0.49011
970	490786.72	3861085.12	0.06308	0.07726	0.02256	0.11551	0.0314	0.08083	0.07592	0.0773	0.46053113	0.003188675	5.248E-08	0.004257382	0.010303	0.007956424	0.012021	0.01173979	0.486517
971	490836.72	3861085.12	0.06294	0.07902	0.02282	0.11381	0.02985	0.08078	0.07734	0.079	0.45950903	0.003261314	5.309E-08	0.004194724	0.009794	0.007951502	0.012245	0.01200722	0.484949
972	490086.72	3861135.12	0.07063	0.05856	0.0151	0.14404	0.03538	0.0881	0.05862	0.0586	0.51565177	0.002416889	3.513E-08	0.005308919	0.011609	0.00867204	0.009281	0.00889829	0.544041
973	490136.72	3861135.12	0.07098	0.05973	0.01498	0.1409	0.03718	0.08741	0.05935	0.0597	0.51820704	0.002465177	3.485E-08	0.005193187	0.012199	0.00860412	0.009397	0.00907607	0.54699
974	490186.72	3861135.12	0.071	0.06086	0.01449	0.13776	0.03978	0.08742	0.05969	0.0609	0.51835305	0.002511814	3.371E-08	0.005077456	0.013052	0.008605104	0.009451	0.00924778	0.547803
975	490236.72	3861135.12	0.07057	0.06133	0.01302	0.13545	0.04261	0.08738	0.06005	0.0613	0.51521373	0.002531212	3.029E-08	0.004992315	0.013981	0.008601167	0.009508	0.0093192	0.545508
976	490286.72	3861135.12	0.06948	0.06183	0.01324	0.1345	0.04197	0.08653	0.06047	0.0618	0.50725591	0.002551848	3.08E-08	0.004957301	0.013771	0.008517498	0.009574	0.00939517	0.537233
977	490336.72	3861135.12	0.06845	0.06234	0.01362	0.13283	0.0394	0.08531	0.06097	0.0623	0.49973614	0.002572897	3.169E-08	0.004895749	0.012928	0.008397409	0.009653	0.00947267	0.528711
978	490386.72	3861135.12	0.06749	0.06298	0.01407	0.12952	0.03558	0.08433	0.0616	0.063	0.49272743	0.002599311	3.273E-08	0.004773752	0.011674	0.008300943	0.009753	0.00956992	0.520259
979	490436.72	3861135.12	0.06592	0.06379	0.01435	0.12725	0.03113	0.08318	0.06261	0.0638	0.48126525	0.002632741	3.338E-08	0.004690086	0.010214	0.008187744	0.009913	0.009693	0.50721
980	490486.72	3861135.12	0.06437	0.0646	0.01476	0.1246	0.02988	0.08289	0.06378	0.0646	0.4699491	0.002666171	3.434E-08	0.004592414	0.009804	0.008159198	0.010098	0.00981608	0.495453
981	490536.72	3861135.12	0.06355	0.06546	0.01554	0.12175	0.02953	0.08275	0.06481	0.0655	0.46396248	0.002701665	3.615E-08	0.004487371	0.009689	0.008145417	0.010261	0.00994676	0.489301
982	490586.72	3861135.12	0.06176	0.06691	0.01633	0.119	0.02887	0.08194	0.06539	0.0669	0.45089415	0.00276151	3.799E-08	0.004386013	0.009473	0.008065686	0.010353	0.01016709	0.475766
983	490636.72	3861135.12	0.05987	0.06865	0.01681	0.11659	0.02971	0.08119	0.06594	0.0687	0.43709573	0.002833323	3.911E-08	0.004297187	0.009748	0.00799186	0.01044	0.01043148	0.461975
984	490686.72	3861135.12	0.0592	0.07087	0.01962	0.11524	0.03224	0.081	0.06776	0.0709	0.43220423	0.002924947	4.564E-08	0.00424743	0.010578	0.007973158	0.010729	0.01076882	0.457888
985	490736.72	3861135.12	0.05959	0.07331	0.02082	0.11512	0.03435	0.08011	0.07053	0.0733	0.43505152	0.003025651	4.844E-08	0.004243007	0.011271	0.007885551	0.011167	0.01113958	0.461504
986	490786.72	3861135.12	0.06001	0.07522	0.02174	0.1147	0.03392	0.07778	0.07305	0.0752	0.43811784	0.00310448	5.058E-08	0.004227527	0.01113	0.0076562	0.011566	0.01142981	0.464372
987	490836.72	3861135.12	0.06012	0.07671	0.02196	0.11306	0.02951	0.07695	0.07545	0.0767	0.43892092	0.003165975	5.109E-08	0.004167081	0.009683	0.0075745	0.011946	0.01165621	0.463801
988	490086.72	3861185.12	0.06679	0.05748	0.01452	0.14321	0.03232	0.08712	0.05807	0.0575	0.4876169	0.002372315	3.378E-08	0.005278328	0.010605	0.008575574	0.009194	0.00873418	0.514908
989	490136.72	3861185.12	0.06717	0.05818	0.01476	0.13948	0.03505	0.08477	0.05883	0.0582	0.49039119	0.002401205	3.434E-08	0.00514085	0.0115	0.008344254	0.009315	0.00884055	0.518252
990	490186.72	3861185.12	0.06736	0.05933	0.01414	0.13616	0.03695	0.08332	0.0594	0.0593	0.49177833	0.002448668	3.29E-08	0.005018484	0.012124	0.008201525	0.009405	0.00901529	0.51996
991	490236.72	3861185.12	0.0674	0.0605	0.01325	0.13376	0.04048	0.08211	0.05975	0.0605	0.49207036	0.002496956	3.082E-08	0.004930027	0.013282	0.00808242	0.00946	0.00919308	0.521129
992	490286.72	3861185.12	0.06702	0.061	0.01294	0.13112	0.04116	0.08187	0.0602	0.061	0.48929608	0.002517592	3.01E-08	0.004832723	0.013505	0.008058795	0.009532	0.00926905	0.518473
993	490336.72	3861185.12	0.06615	0.06152	0.01378	0.13009	0.04026	0.08202	0.06059	0.0615	0.48294443	0.002539054	3.206E-08	0.00479476	0.01321	0.008073561	0.009593	0.00934807	0.511807
994	490386.72	3861185.12	0.06516	0.06204	0.01365	0.12871	0.03769	0.08248	0.06117	0.062	0.47571669	0.002560515	3.176E-08	0.004743897	0.012367	0.00811884	0.009685	0.00942708	0.503765
995	490436.72	3861185.12	0.06275	0.06276	0.01385	0.12633	0.03306	0.08199	0.06202	0.0628	0.45812189	0.002590231	3.222E-08	0.004656177	0.010847	0.008070607	0.00982	0.00953649	0.48457
996	490486.72	3861185.12	0.06084	0.06359	0.01423	0.12323	0.02963	0.08077	0.0631	0.0636	0.44417746	0.002624487	3.31E-08	0.00454192	0.009722	0.007950518	0.009991	0.00966261	0.469345
997	490536.72	3861185.12	0.06016	0.06442	0.01464	0.12095	0.02859	0.07996	0.06435	0.0644	0.43921295	0.002658742	3.406E-08	0.004457885	0.009381	0.007870786	0.010189	0.00978873	0.463981
998	490586.72	3861185.12	0.06003	0.06523	0.01581	0.11828	0.02876	0.07844	0.06525	0.0652	0.43826385	0.002692173	3.678E-08	0.004359476	0.009437	0.007721167	0.010331	0.00991181	0.462893
999	490636.72	3861185.12	0.05918	0.066	0.01588	0.11574	0.02769	0.0771	0.0658	0.066	0.43205822	0.002723952	3.694E-08	0.004265859	0.009085	0.007589265	0.010418	0.01002881	0.456112

1000	490686.72	3861185.12	0.05697	0.067	0.01761	0.11405	0.02965	0.07673	0.0664	0.067
1001	490736.72	3861185.12	0.0559	0.06825	0.01894	0.11296	0.03216	0.07687	0.06708	0.0683
1002	490786.72	3861185.12	0.05623	0.0701	0.02008	0.11333	0.03424	0.07692	0.06799	0.0701
1003	490836.72	3861185.12	0.05702	0.07231	0.02118	0.1124	0.0318	0.07576	0.07026	0.0723
1004	490086.72	3861235.12	0.06496	0.05633	0.01384	0.14261	0.02933	0.08616	0.05751	0.0563
1005	490136.72	3861235.12	0.06327	0.05732	0.0142	0.13786	0.0331	0.08549	0.05851	0.0573
1006	490186.72	3861235.12	0.06386	0.05799	0.01397	0.1354	0.03484	0.08383	0.05933	0.058
1007	490236.72	3861235.12	0.0636	0.05912	0.01357	0.13202	0.03679	0.08161	0.05972	0.0591
1008	490386.72	3861235.12	0.06308	0.0613	0.01347	0.12723	0.03855	0.07683	0.06102	0.0613
1009	490436.72	3861235.12	0.06219	0.06182	0.01356	0.12504	0.03509	0.07622	0.06165	0.0618
1010	490486.72	3861235.12	0.05945	0.06261	0.01379	0.12236	0.03068	0.07707	0.06268	0.0626
1011	490536.72	3861235.12	0.0575	0.06354	0.01412	0.1202	0.02867	0.07821	0.06392	0.0635
1012	490586.72	3861235.12	0.05698	0.0643	0.01465	0.11786	0.02761	0.07722	0.06519	0.0643
1013	490636.72	3861235.12	0.05655	0.06507	0.0152	0.11511	0.02791	0.0757	0.06591	0.0651
1014	490686.72	3861235.12	0.05569	0.06599	0.01573	0.11311	0.02764	0.07527	0.06654	0.066
1015	490736.72	3861235.12	0.05436	0.06717	0.01735	0.11196	0.0297	0.07525	0.06722	0.0672
1016	490786.72	3861235.12	0.05332	0.06862	0.01836	0.11091	0.03209	0.07595	0.06793	0.0686
1017	490836.72	3861235.12	0.05303	0.07034	0.01935	0.11158	0.03401	0.07662	0.06862	0.0703
1018	490086.72	3861285.12	0.06505	0.05566	0.01301	0.14187	0.02656	0.08121	0.05714	0.0557
1019	490136.72	3861285.12	0.06274	0.05631	0.01358	0.13758	0.03029	0.08138	0.05789	0.0563
1020	490186.72	3861285.12	0.06068	0.05688	0.01355	0.13387	0.03292	0.08074	0.05859	0.0569
1021	490236.72	3861285.12	0.06103	0.05749	0.0135	0.1312	0.03468	0.08062	0.05934	0.0575
1022	490386.72	3861285.12	0.06027	0.06017	0.01342	0.1252	0.03847	0.07729	0.06052	0.0602
1023	490436.72	3861285.12	0.05973	0.06113	0.01339	0.12437	0.03697	0.07654	0.06153	0.0611
1024	490486.72	3861285.12	0.05877	0.06166	0.01332	0.12181	0.03267	0.07561	0.06233	0.0617
1025	490536.72	3861285.12	0.05637	0.06247	0.01368	0.11886	0.02864	0.07533	0.06339	0.0625
1026	490586.72	3861285.12	0.05449	0.06345	0.01388	0.11691	0.02742	0.07525	0.06461	0.0635
1027	490636.72	3861285.12	0.05424	0.06425	0.01474	0.1143	0.02735	0.07496	0.06567	0.0643
1028	490686.72	3861285.12	0.05423	0.06538	0.01454	0.11233	0.02696	0.0742	0.06642	0.0654
1029	490736.72	3861285.12	0.05287	0.06681	0.01581	0.11101	0.02766	0.07313	0.06729	0.0668
1030	490786.72	3861285.12	0.05121	0.06808	0.01685	0.10984	0.02977	0.07423	0.06788	0.0681
1031	490836.72	3861285.12	0.05054	0.0694	0.01777	0.10896	0.03197	0.07441	0.06846	0.0694
1032	490061.24	3859716.13	0.16836	0.35388	0.35236	0.38979	0.08461	0.26304	0.33865	0.3539
1033	490111.24	3859716.13	0.1716	0.40183	0.36384	0.41084	0.08944	0.2704	0.40237	0.4018
1034	490161.24	3859716.13	0.17505	0.4576	0.34612	0.44375	0.07699	0.28258	0.45948	0.4576
1035	490211.24	3859716.13	0.18136	0.5288	0.34904	0.48528	0.0655	0.29391	0.53366	0.5288
1036	490061.24	3859766.13	0.16977	0.27905	0.26074	0.35802	0.07886	0.24658	0.27057	0.2791
1037	490111.24	3859766.13	0.1712	0.30439	0.26711	0.36907	0.08129	0.2507	0.2941	0.3044
1038	490161.24	3859766.13	0.17166	0.33628	0.26206	0.37992	0.08637	0.25234	0.31983	0.3363
1039	490211.24	3859766.13	0.1721	0.36854	0.26749	0.39714	0.07287	0.26129	0.37084	0.3685
1040	490061.24	3859816.13	0.17334	0.235	0.20204	0.32691	0.0726	0.2241	0.22465	0.235
1041	490111.24	3859816.13	0.17285	0.24965	0.21112	0.33287	0.07568	0.23349	0.23621	0.2497
1042	490161.24	3859816.13	0.17228	0.26564	0.21776	0.34029	0.07819	0.23787	0.25302	0.2656
1043	490211.24	3859816.13	0.17068	0.28448	0.20281	0.34702	0.08188	0.23733	0.27085	0.2845
1044	490061.24	3859866.13	0.17225	0.20163	0.17848	0.29636	0.06609	0.20399	0.19833	0.2016
1045	490111.24	3859866.13	0.17084	0.2128	0.16496	0.30738	0.0704	0.21147	0.20617	0.2128
1046	490161.24	3859866.13	0.16796	0.2269	0.17639	0.31829	0.07274	0.21974	0.21611	0.2269
1047	490211.24	3859866.13	0.16483	0.23922	0.18336	0.32364	0.0754	0.22486	0.22815	0.2392
1048	490061.24	3859916.13	0.16865	0.17925	0.12491	0.27151	0.06399	0.19303	0.17851	0.1793
1049	490111.24	3859916.13	0.16631	0.1877	0.15198	0.28148	0.06088	0.19644	0.18344	0.1877
1050	490161.24	3859916.13	0.16304	0.1973	0.13998	0.28918	0.06833	0.20398	0.19269	0.1973
1051	490211.24	3859916.13	0.15998	0.20996	0.15073	0.29629	0.06991	0.20867	0.20069	0.21
1052	490229.25	3859815.26	0.16985	0.29447	0.20427	0.35249	0.07657	0.23838	0.28035	0.2945
1053	490279.25	3859815.26	0.16736	0.31944	0.20789	0.37632	0.06547	0.24834	0.31652	0.3194
1054	490329.25	3859815.26	0.16547	0.34955	0.20205	0.39788	0.05451	0.25552	0.35422	0.3496
1055	490379.25	3859815.26	0.16487	0.3935	0.21236	0.41069	0.04774	0.2693	0.40295	0.3935
1056	490429.25	3859815.26	0.16765	0.46587	0.21239	0.43738	0.04912	0.30032	0.46172	0.4659
1057	490229.25	3859865.26	0.16403	0.24377	0.16849	0.32493	0.07831	0.22676	0.23293	0.2438
1058	490279.25	3859865.26	0.16124	0.25914	0.16368	0.3361	0.07184	0.22829	0.24854	0.2591

0.41592357	0.002765224	4.097E-08	0.00420357	0.009729	0.007552844	0.010513	0.01018076	0.440506
0.40811177	0.002816814	4.406E-08	0.004163396	0.010552	0.007566625	0.010621	0.0103707	0.433461
0.41052101	0.002893167	4.671E-08	0.004177033	0.011235	0.007571547	0.010765	0.01065181	0.436511
0.4162886	0.002984379	4.927E-08	0.004142756	0.010434	0.007457363	0.011124	0.01098763	0.441444
0.47425654	0.002324852	3.22E-08	0.005256213	0.009624	0.008481077	0.009106	0.00855944	0.500489
0.46191827	0.002365711	3.303E-08	0.005081141	0.010861	0.008415127	0.009264	0.00870987	0.489195
0.46622572	0.002393364	3.25E-08	0.004990472	0.011431	0.008251726	0.009394	0.00881168	0.493875
0.46432752	0.002440001	3.157E-08	0.004865895	0.012071	0.008033203	0.009456	0.00898338	0.49221
0.46053113	0.002529974	3.134E-08	0.004689349	0.012649	0.007562688	0.009661	0.00931464	0.488309
0.45403347	0.002551435	3.155E-08	0.004608631	0.011514	0.007502643	0.009761	0.00939365	0.480577
0.43402942	0.00258404	3.208E-08	0.004509854	0.010067	0.007586312	0.009924	0.00951369	0.459187
0.41979296	0.002622423	3.285E-08	0.004430242	0.009407	0.007698527	0.010121	0.00965501	0.444417
0.41599657	0.00265379	3.408E-08	0.004343996	0.009059	0.007601077	0.010322	0.00977049	0.440206
0.41285725	0.002685569	3.536E-08	0.004242639	0.009158	0.007451457	0.010436	0.0098875	0.436943
0.40657861	0.00272354	3.659E-08	0.004168924	0.009069	0.007409131	0.010535	0.01002729	0.430457
0.39686862	0.002772241	4.036E-08	0.004126538	0.009745	0.007407162	0.010643	0.01020659	0.421356
0.38927584	0.002832085	4.271E-08	0.004087838	0.010529	0.007476066	0.010755	0.01042692	0.41453
0.38715862	0.002903073	4.502E-08	0.004112533	0.011159	0.007542017	0.010865	0.01068828	0.413052
0.4749136	0.0022972	3.027E-08	0.005228939	0.008715	0.007993829	0.009047	0.00845763	0.499738
0.45804888	0.002324027	3.159E-08	0.005070821	0.009939	0.008010563	0.009166	0.0085564	0.484002
0.44300934	0.002347552	3.152E-08	0.004934081	0.010801	0.007947565	0.009277	0.00864301	0.469674
0.4455646	0.002372728	3.141E-08	0.004835672	0.011379	0.007935753	0.009395	0.0087357	0.472747
0.44001603	0.002483336	3.122E-08	0.004614528	0.012623	0.007607967	0.009582	0.00914293	0.467784
0.43607363	0.002522958	3.115E-08	0.004583937	0.01213	0.007534142	0.009742	0.00928881	0.463298
0.42906491	0.002544832	3.099E-08	0.004489582	0.010719	0.007442598	0.009869	0.00936934	0.454761
0.41154312	0.002578262	3.183E-08	0.004380853	0.009397	0.007415037	0.010037	0.00949242	0.435859
0.39781771	0.002618709	3.229E-08	0.004308982	0.008997	0.007407162	0.01023	0.00964133	0.421738
0.39599253	0.002651726	3.429E-08	0.004212784	0.008974	0.007378616	0.010398	0.0097629	0.419844
0.39591952	0.002698364	3.383E-08	0.004140176	0.008846	0.007303806	0.010516	0.0099346	0.41949
0.3859905	0.002757383	3.678E-08	0.004091524	0.009076	0.007198482	0.010654	0.01015189	0.409616
0.37387126	0.002809798	3.92E-08	0.004048401	0.009768	0.007306759	0.010748	0.01034487	0.398207
0.36897976	0.002864277	4.134E-08	0.004015967	0.01049	0.007324477	0.010839	0.01054545	0.393968
1.2291538	0.014605337	8.197E-07	0.01436659	0.027762	0.025892092	0.053619	0.05377266	1.311627
1.25280822	0.016584329	8.464E-07	0.015142435	0.029346	0.026616566	0.063708	0.06105874	1.343148
1.27799579	0.018886069	8.052E-07	0.016355407	0.025261	0.027815493	0.07275	0.06953309	1.369532
1.32406351	0.021824636	8.12E-07	0.017886089	0.021491	0.028930751	0.084495	0.08035205	1.418341
1.23944785	0.011516953	6.066E-07	0.013195635	0.025875	0.024271867	0.04284	0.04240212	1.314746
1.24988792	0.012562785	6.214E-07	0.013602907	0.026672	0.024677416	0.046565	0.04625257	1.327717
1.25324626	0.013878949	6.097E-07	0.014002809	0.028339	0.024838847	0.050639	0.05109831	1.333848
1.25645859	0.015210384	6.223E-07	0.014637491	0.02391	0.025719832	0.058716	0.05600027	1.338652
1.26551152	0.009698921	4.7E-07	0.012049006	0.023821	0.02205907	0.035569	0.03570865	1.333001
1.26193415	0.010303556	4.911E-07	0.012268675	0.024832	0.022983366	0.0374	0.03793474	1.331787
1.25777272	0.010963495	5.066E-07	0.012542156	0.025655	0.023414507	0.040061	0.04036444	1.330045
1.24609153	0.01174106	4.718E-07	0.012790205	0.026866	0.023361352	0.042884	0.04322721	1.320508
1.2575537	0.008321674	4.152E-07	0.010923016	0.021685	0.020079561	0.031402	0.03063802	1.319327
1.24725965	0.008782682	3.838E-07	0.011329183	0.023099	0.020815848	0.032643	0.03233532	1.311595
1.2262335	0.009364618	4.104E-07	0.011731296	0.023867	0.021629897	0.034217	0.03447784	1.292566
1.20338216	0.009873089	4.266E-07	0.011928482	0.02474	0.02213388	0.036123	0.03634988	1.271831
1.23127101	0.007398007	2.906E-07	0.010007114	0.020996	0.019000724	0.028264	0.02723734	1.2897
1.21418726	0.007746755	3.536E-07	0.01037458	0.019976	0.019336384	0.029044	0.02852133	1.272144
1.19031382	0.008142966	3.256E-07	0.010658381	0.02242	0.020078577	0.030509	0.02998007	1.252143
1.16797353	0.00866547	3.507E-07	0.010920436	0.022938	0.020540233	0.031776	0.03190377	1.23091
1.24003191	0.012153367	4.752E-07	0.012991814	0.025124	0.023464708	0.044388	0.04474521	1.313409
1.22185305	0.013183929	4.836E-07	0.013870123	0.021482	0.024445111	0.050115	0.04853945	1.29641
1.20805464	0.014426629	4.7E-07	0.014664765	0.017885	0.025151868	0.056084	0.05311471	1.283153
1.20367419	0.016240534	4.94E-07	0.015136906	0.015664	0.026508289	0.0638	0.05979299	1.281231
1.22397027	0.019227388	4.941E-07	0.016120627	0.016117	0.029561713	0.073105	0.07078973	1.307313
1.19754156	0.010060876	3.92E-07	0.011976028	0.025695	0.022320904	0.03688	0.03704126	1.267433
1.17717248	0.010695227	3.808E-07	0.012387724	0.023572	0.022471509	0.039352	0.03937676	1.246274

1059	490329.25	3859865.26	0.15822	0.27505	0.1659	0.35552	0.06173	0.23316	0.2682	0.2751
1060	490379.25	3859865.26	0.15496	0.29385	0.16246	0.37084	0.0516	0.23939	0.29386	0.2939
1061	490429.25	3859865.26	0.15523	0.32035	0.16833	0.3796	0.04505	0.25204	0.32611	0.3204
1062	490229.25	3859915.26	0.15877	0.21517	0.15214	0.29955	0.07057	0.21023	0.20405	0.2152
1063	490279.25	3859915.26	0.15537	0.22354	0.1425	0.3034	0.07545	0.21481	0.21144	0.2235
1064	490329.25	3859915.26	0.15139	0.23309	0.13305	0.31262	0.06769	0.22016	0.21925	0.2331
1065	490379.25	3859915.26	0.14786	0.24748	0.13441	0.32494	0.0583	0.22527	0.23697	0.2475
1066	490429.25	3859915.26	0.14621	0.26045	0.13848	0.33638	0.0488	0.23022	0.25717	0.2605
1067	490451.43	3859872.59	0.1536	0.32031	0.16613	0.37853	0.04456	0.25433	0.327	0.3203
1068	490501.43	3859872.59	0.15553	0.36493	0.16915	0.40739	0.04759	0.27721	0.36893	0.3649
1069	490551.43	3859872.59	0.15994	0.43407	0.17038	0.44453	0.04879	0.30844	0.42773	0.4341
1070	490601.43	3859872.59	0.16508	0.53981	0.17755	0.49899	0.04865	0.35023	0.52436	0.5398
1071	490451.43	3859922.59	0.14494	0.26109	0.13336	0.33403	0.04608	0.23164	0.2601	0.2611
1072	490501.43	3859922.59	0.14522	0.27911	0.13386	0.35131	0.04274	0.24021	0.27998	0.2791
1073	490551.43	3859922.59	0.1472	0.30652	0.14153	0.36963	0.04534	0.26176	0.30992	0.3065
1074	490601.43	3859922.59	0.15071	0.34708	0.1414	0.40452	0.04713	0.28635	0.35197	0.3471
1075	482129.67	3852241.07	0.04779	0.25276	0.01107	0.01291	0.01372	0.01839	0.2554	0.2528
1076	482029.67	3852291.07	0.06058	0.37689	0.01033	0.01276	0.01408	0.01784	0.38065	0.3769
1077	482079.67	3852291.07	0.05427	0.32113	0.01051	0.01291	0.01408	0.01875	0.3231	0.3211
1078	482129.67	3852291.07	0.05052	0.2798	0.01115	0.01329	0.01396	0.0188	0.28211	0.2798
1079	482179.67	3852291.07	0.04794	0.24251	0.012	0.01311	0.01386	0.01859	0.24556	0.2425
1080	482229.67	3852291.07	0.04686	0.20993	0.01214	0.013	0.01378	0.01827	0.2131	0.2099
1081	482029.67	3852341.07	0.07172	0.468	0.01043	0.01301	0.01426	0.0179	0.47048	0.468
1082	482079.67	3852341.07	0.06101	0.37542	0.01062	0.01304	0.01422	0.01906	0.37858	0.3754
1083	482129.67	3852341.07	0.05451	0.32021	0.01126	0.01335	0.01422	0.01922	0.32197	0.3202
1084	482179.67	3852341.07	0.05081	0.27639	0.0119	0.0135	0.0141	0.01904	0.27869	0.2764
1085	482259.06	3852400.14	0.05159	0.27197	0.0132	0.01375	0.01422	0.01915	0.27437	0.272
1086	482309.06	3852400.14	0.04912	0.2296	0.01283	0.01361	0.01414	0.0192	0.23168	0.2296
1087	482209.06	3852450.14	0.05884	0.34966	0.013	0.01429	0.01452	0.01993	0.35104	0.3497
1088	482259.06	3852450.14	0.05482	0.30318	0.01339	0.01417	0.01451	0.0196	0.30569	0.3032
1089	482309.06	3852450.14	0.05194	0.26173	0.01332	0.01399	0.01439	0.01944	0.26544	0.2617
1090	482209.06	3852500.14	0.06809	0.41478	0.01313	0.01407	0.01474	0.0203	0.41873	0.4148
1091	482259.06	3852500.14	0.05954	0.34875	0.01354	0.01458	0.01472	0.02007	0.34922	0.3488
1092	482309.06	3852500.14	0.05544	0.29888	0.0138	0.01443	0.01466	0.01969	0.30184	0.2989
1093	482283.91	3852513.62	0.05875	0.33591	0.01396	0.01464	0.01471	0.02002	0.3367	0.3359
1094	482333.91	3852513.62	0.05478	0.29052	0.01375	0.01448	0.0147	0.01993	0.29348	0.2905
1095	482283.91	3852563.62	0.06643	0.39481	0.01421	0.0151	0.01497	0.02058	0.39582	0.3948
1096	482333.91	3852563.62	0.05935	0.33378	0.01427	0.01498	0.01491	0.02041	0.33484	0.3338
1097	482383.91	3852563.62	0.05506	0.29126	0.01406	0.01483	0.01484	0.02046	0.29479	0.2913
1098	482283.91	3852613.62	0.07923	0.48699	0.01431	0.01514	0.01527	0.02112	0.48881	0.487
1099	482333.91	3852613.62	0.06688	0.39465	0.0148	0.01549	0.01517	0.02096	0.39426	0.3947
1100	482383.91	3852613.62	0.05988	0.33469	0.01451	0.01535	0.01508	0.02102	0.33546	0.3347
1101	482602.38	3852600.87	0.04616	0.18301	0.01504	0.01773	0.01483	0.02098	0.18303	0.183
1102	482652.38	3852600.87	0.04378	0.16541	0.01467	0.01845	0.01519	0.02078	0.1689	0.1654
1103	482702.38	3852600.87	0.04224	0.14383	0.01429	0.01858	0.01532	0.02039	0.14629	0.1438
1104	482552.38	3852650.87	0.05121	0.23057	0.0158	0.01587	0.01501	0.02203	0.23439	0.2306
1105	482602.38	3852650.87	0.04861	0.20387	0.01553	0.01718	0.01488	0.02172	0.20632	0.2039
1106	482652.38	3852650.87	0.04622	0.18675	0.01527	0.01877	0.01498	0.0215	0.18946	0.1868
1107	482702.38	3852650.87	0.04399	0.17242	0.01494	0.01905	0.01534	0.02124	0.17527	0.1724
1108	482552.38	3852700.87	0.05394	0.26161	0.01632	0.01611	0.01526	0.02286	0.26423	0.2616
1109	482602.38	3852700.87	0.0506	0.2361	0.01608	0.01679	0.01521	0.02275	0.23834	0.2361
1110	482652.38	3852700.87	0.04805	0.22006	0.01587	0.01873	0.01502	0.02264	0.22234	0.2201
1111	482702.38	3852700.87	0.04626	0.1966	0.01549	0.01941	0.01513	0.02217	0.19885	0.1966
1112	482452.38	3852750.87	0.07136	0.41782	0.01572	0.01696	0.01576	0.02286	0.41595	0.4178
1113	482521.29	3852749.74	0.06062	0.32455	0.01674	0.01675	0.01569	0.02359	0.32684	0.3246
1114	482571.29	3852749.74	0.05626	0.28152	0.0168	0.01659	0.01546	0.02369	0.28409	0.2815
1115	482521.29	3852799.74	0.06859	0.38176	0.0172	0.0175	0.01597	0.02447	0.38312	0.3818
1116	482571.29	3852799.74	0.06216	0.32429	0.01742	0.01736	0.0159	0.02457	0.32643	0.3243
1117	482621.29	3852799.74	0.05645	0.28092	0.01712	0.01737	0.0157	0.0246	0.28306	0.2809

1.15512422	0.011351865	3.859E-07	0.013103492	0.020254	0.022950882	0.042465	0.04179431	1.223456
1.13132378	0.012127778	3.779E-07	0.013668145	0.016931	0.023564126	0.046527	0.044651	1.199491
1.13329499	0.013221486	3.916E-07	0.013991014	0.014782	0.024809317	0.051634	0.04867772	1.203055
1.15913963	0.008880497	3.539E-07	0.011040591	0.023155	0.02069379	0.032308	0.03269544	1.222522
1.13431709	0.009225944	3.315E-07	0.011182491	0.024756	0.021144618	0.033478	0.03396728	1.200137
1.10526012	0.009620091	3.095E-07	0.011522315	0.02221	0.02167124	0.034714	0.03541842	1.16958
1.07948848	0.010213996	3.127E-07	0.011976397	0.019129	0.022174238	0.03752	0.037605	1.142897
1.06744225	0.010749293	3.222E-07	0.012398044	0.016012	0.022661486	0.040718	0.03957582	1.130406
1.12139477	0.013219836	3.865E-07	0.013951577	0.014621	0.025034731	0.051774	0.04867164	1.191325
1.13548521	0.015061392	3.935E-07	0.015015277	0.015615	0.027286902	0.058413	0.05545173	1.211426
1.1676815	0.017914939	3.964E-07	0.016384156	0.016009	0.030360997	0.067723	0.06595767	1.250116
1.20520735	0.02227904	4.131E-07	0.018391402	0.015963	0.034474556	0.083023	0.08202504	1.297313
1.0581703	0.010775707	3.102E-07	0.012311429	0.015119	0.022801263	0.041182	0.03967306	1.120688
1.06021451	0.011519429	3.114E-07	0.012948323	0.014024	0.023644842	0.04433	0.04241123	1.124269
1.07466999	0.012650695	3.293E-07	0.013623548	0.014877	0.025766096	0.04907	0.04657623	1.144081
1.10029561	0.014324687	3.29E-07	0.014909497	0.015464	0.028186589	0.055728	0.05273939	1.176169
0.34890271	0.010431912	2.575E-08	0.000475827	0.004502	0.001810202	0.040438	0.03840731	0.368153
0.44227926	0.015555006	2.403E-08	0.000470299	0.00462	0.001756063	0.060269	0.05726907	0.46768
0.39621155	0.013253679	2.445E-08	0.000475827	0.00462	0.001845638	0.051157	0.04879624	0.418767
0.36883375	0.011547907	2.594E-08	0.000489833	0.00458	0.00185056	0.044667	0.04251608	0.389453
0.34999782	0.010008874	2.792E-08	0.000483199	0.004548	0.001829889	0.03888	0.0368498	0.368898
0.34211301	0.008664232	2.824E-08	0.000479144	0.004521	0.00179839	0.033741	0.03189922	0.359417
0.52360959	0.019315298	2.426E-08	0.000479513	0.004679	0.001761969	0.074492	0.07111339	0.553224
0.44541859	0.015494336	2.471E-08	0.000480619	0.004666	0.001876153	0.059941	0.0570457	0.470831
0.39796373	0.013215708	2.62E-08	0.000492044	0.004666	0.001891902	0.050978	0.04865645	0.420551
0.37095096	0.011407169	2.768E-08	0.000497573	0.004626	0.001874184	0.044125	0.04199793	0.391484
0.37664555	0.011224747	3.071E-08	0.000506787	0.004666	0.001885012	0.043441	0.0413263	0.397043
0.3586127	0.009476052	2.985E-08	0.000501627	0.00464	0.001889934	0.036682	0.03488811	0.376914
0.42957596	0.014431169	3.024E-08	0.00052669	0.004764	0.001961791	0.055581	0.05313142	0.453709
0.40022696	0.012512846	3.115E-08	0.000522267	0.004761	0.001929307	0.0484	0.04606871	0.422284
0.37920081	0.010802122	3.099E-08	0.000515633	0.004722	0.001913558	0.042028	0.03977031	0.399411
0.49710788	0.017118802	3.055E-08	0.000518582	0.004836	0.001998211	0.066298	0.06302652	0.524852
0.43468649	0.014393611	3.15E-08	0.000537379	0.00483	0.001975571	0.055293	0.05299315	0.458722
0.40475342	0.012335377	3.21E-08	0.00053185	0.00481	0.001938166	0.047791	0.04541532	0.426745
0.4289189	0.013863679	3.248E-08	0.00053959	0.004827	0.00197065	0.05331	0.05104209	0.452388
0.39993493	0.011990343	3.199E-08	0.000533693	0.004823	0.001961791	0.046467	0.044145	0.421566
0.48498864	0.0162946	3.306E-08	0.000556545	0.004912	0.002025773	0.062671	0.05999204	0.511456
0.43329935	0.013775769	3.32E-08	0.000552122	0.004892	0.002009039	0.053016	0.05071843	0.456826
0.40197914	0.012020884	3.271E-08	0.000546593	0.004869	0.002013961	0.046675	0.04425745	0.423847
0.5784382	0.020099053	3.329E-08	0.000558019	0.00501	0.002078927	0.077394	0.07399895	0.60958
0.48827397	0.016287996	3.443E-08	0.000570919	0.004977	0.002063178	0.062424	0.05996773	0.51463
0.43716874	0.013813327	3.376E-08	0.000565759	0.004948	0.002069084	0.053114	0.05085671	0.460822
0.33700249	0.007553189	3.499E-08	0.000653479	0.004866	0.002065146	0.028979	0.02780868	0.353311
0.31962671	0.006826802	3.413E-08	0.000680016	0.004984	0.002045459	0.026742	0.02513433	0.335771
0.30838356	0.005936152	3.324E-08	0.000684808	0.005027	0.00200707	0.023162	0.02185521	0.323345
0.37387126	0.009516086	3.676E-08	0.000584925	0.004925	0.002168502	0.037111	0.0350355	0.393142
0.35488932	0.008414123	3.613E-08	0.000633208	0.004882	0.002137987	0.032667	0.03097839	0.372646
0.33744053	0.007707547	3.552E-08	0.000691811	0.004915	0.002116332	0.029998	0.02837698	0.354492
0.32115987	0.007116119	3.476E-08	0.000702131	0.005033	0.002090739	0.027751	0.02619951	0.337653
0.3938023	0.010797169	3.797E-08	0.00059377	0.005007	0.002250202	0.041836	0.03975208	0.414534
0.36941781	0.00974432	3.741E-08	0.000618833	0.004991	0.002239375	0.037737	0.03587579	0.388872
0.3508009	0.009082317	3.692E-08	0.000690336	0.004928	0.002228547	0.035203	0.03343849	0.369495
0.33773256	0.008114076	3.604E-08	0.000715399	0.004964	0.002182283	0.031484	0.0298737	0.355319
0.52098132	0.017244269	3.657E-08	0.000625099	0.005171	0.002250202	0.065858	0.06348845	0.548642
0.44257129	0.013394829	3.894E-08	0.000617359	0.005148	0.002322059	0.051749	0.04931592	0.466487
0.41074004	0.011618895	3.908E-08	0.000611462	0.005073	0.002331903	0.04498	0.04277744	0.432578
0.50075825	0.015756	4.001E-08	0.000645002	0.00524	0.002408681	0.06066	0.05800907	0.527459
0.45381444	0.013384098	4.053E-08	0.000639842	0.005217	0.002418525	0.051684	0.04927641	0.477882
0.41212718	0.011594131	3.983E-08	0.000640211	0.005151	0.002421478	0.044817	0.04268627	0.434066

1118	482571.29	3852849.74	0.07165	0.37765	0.01808	0.01813	0.0162	0.02549	0.37914	0.3777	0.52309854	0.015586372	4.206E-08	0.000668222	0.005315	0.002509084	0.06003	0.05738455	0.549823
1119	482621.29	3852849.74	0.06285	0.31938	0.01763	0.01802	0.01613	0.02546	0.32216	0.3194	0.45885196	0.013181453	4.101E-08	0.000664168	0.005292	0.002506131	0.051008	0.04853033	0.482974
1120	482577.42	3852901.55	0.08445	0.4506	0.01871	0.01914	0.01649	0.02652	0.4534	0.4506	0.6165481	0.018597165	4.353E-08	0.000705448	0.005411	0.002610471	0.071788	0.06846943	0.64719
1121	482627.42	3852901.55	0.07235	0.36389	0.01812	0.01881	0.01648	0.02645	0.36532	0.3639	0.52820906	0.01501847	4.215E-08	0.000693285	0.005407	0.002603581	0.057842	0.0552937	0.55448
1122	482629.96	3852955.85	0.08896	0.44161	0.01883	0.02005	0.01676	0.02765	0.44559	0.4416	0.64947447	0.01822613	4.381E-08	0.000738988	0.005499	0.002721701	0.070551	0.06710338	0.680108
1123	482679.96	3852955.85	0.07532	0.35774	0.01817	0.01964	0.01674	0.02747	0.3624	0.3577	0.54989228	0.014764647	4.227E-08	0.000723877	0.005493	0.002703983	0.057379	0.05435919	0.576598
1124	482781.63	3853034.48	0.07315	0.29643	0.01823	0.0222	0.01707	0.02896	0.29835	0.2964	0.53404966	0.01223426	4.241E-08	0.000818231	0.005601	0.00285065	0.047238	0.04504304	0.557749
1125	482831.63	3853034.48	0.0668	0.25586	0.01863	0.02292	0.01698	0.0285	0.25945	0.2559	0.48768991	0.010559855	4.334E-08	0.000844768	0.005571	0.00280537	0.041079	0.03887836	0.509672
1126	482881.63	3853034.48	0.06209	0.21683	0.01829	0.02379	0.01687	0.02804	0.2255	0.2168	0.45330339	0.008949009	4.255E-08	0.000876834	0.005535	0.002760091	0.035704	0.03294768	0.474181
1127	482781.63	3853084.48	0.07958	0.3096	0.01877	0.02267	0.01735	0.03015	0.31396	0.3096	0.58099346	0.012777812	4.367E-08	0.000835554	0.005693	0.002967787	0.04971	0.04704424	0.605933
1128	482831.63	3853084.48	0.0715	0.2707	0.01907	0.02368	0.01733	0.02998	0.27535	0.2707	0.52200342	0.011172331	4.436E-08	0.00087278	0.005686	0.002951053	0.043597	0.04113332	0.545149
1129	482881.63	3853084.48	0.06558	0.23624	0.01883	0.0244	0.01724	0.02973	0.24426	0.2362	0.478783	0.009750098	4.381E-08	0.000899317	0.005657	0.002926444	0.038674	0.03589707	0.500793
1130	482781.63	3853134.48	0.08772	0.35245	0.01941	0.02385	0.01764	0.03152	0.35637	0.3525	0.64042154	0.014546318	4.516E-08	0.000879046	0.005788	0.003102641	0.056425	0.05355537	0.667607
1131	482831.63	3853134.48	0.07721	0.2903	0.01956	0.02442	0.01761	0.03139	0.29089	0.2903	0.56369069	0.011981263	4.55E-08	0.000900054	0.005778	0.003089845	0.046057	0.04411157	0.587386
1132	482881.63	3853134.48	0.06988	0.24818	0.01951	0.02498	0.01759	0.03108	0.25325	0.2482	0.51017621	0.010242886	4.539E-08	0.000920694	0.005772	0.00305933	0.040098	0.03771137	0.532557
1133	482831.63	3853184.48	0.08338	0.3183	0.02012	0.02555	0.01789	0.03303	0.33024	0.3183	0.6087363	0.013136879	4.681E-08	0.000941703	0.00587	0.003251277	0.052287	0.04836622	0.635857
1134	482881.63	3853184.48	0.07648	0.26723	0.02032	0.02608	0.01785	0.03324	0.27417	0.2672	0.55836114	0.011029118	4.727E-08	0.000961237	0.005857	0.003271948	0.04341	0.04060605	0.582284
1135	484154.84	3854250.98	0.17302	0.05182	0.06989	0.23713	0.02613	0.15253	0.12986	0.0518	1.26317528	0.002138715	1.626E-07	0.008739961	0.008574	0.015014145	0.020561	0.00787414	1.310329
1136	484204.84	3854250.98	0.16997	0.05051	0.06595	0.2253	0.02584	0.14512	0.12633	0.0505	1.240908	0.002084649	1.534E-07	0.00830394	0.008478	0.014284749	0.020002	0.00767508	1.286387
1137	484154.84	3854300.98	0.18995	0.05054	0.07989	0.25197	0.02721	0.15962	0.13235	0.0505	1.38677693	0.002085887	1.859E-07	0.009286923	0.008928	0.015712043	0.020955	0.00767964	1.436066
1138	484204.84	3854300.98	0.18567	0.04998	0.07208	0.24438	0.02689	0.15345	0.13141	0.05	1.35552973	0.002062775	1.677E-07	0.009007176	0.008823	0.015104704	0.020806	0.00759455	1.403739
1139	484074.19	3854519.8	0.2902	0.04736	0.16195	0.70933	0.03245	0.32351	0.25868	0.0474	2.11867683	0.001954642	3.768E-07	0.026143957	0.010647	0.031844398	0.040957	0.00719643	2.223028
1140	484124.19	3854519.8	0.28615	0.0467	0.1606	0.56221	0.03228	0.26602	0.2231	0.0467	2.08910881	0.001927403	3.736E-07	0.020721518	0.010592	0.026185425	0.035324	0.00709614	2.176763
1141	484074.19	3854569.8	0.32092	0.04735	0.18954	1.0563	0.03442	0.42032	0.34209	0.0474	2.34295579	0.001954229	4.409E-07	0.038932319	0.011294	0.041373799	0.054164	0.00719491	2.483479
1142	484124.19	3854569.8	0.31772	0.04555	0.18741	0.75791	0.03363	0.32132	0.27313	0.0456	2.3195934	0.00187994	4.36E-07	0.027934483	0.011034	0.031628828	0.043245	0.0069214	2.428395
1143	485205.11	3855188.89	0.33818	0.04976	0.14304	0.65922	0.04755	0.30657	0.25804	0.0498	2.46896668	0.002053695	3.328E-07	0.02429704	0.015602	0.030176926	0.040856	0.00756112	2.574391
1144	485255.11	3855188.89	0.33022	0.04773	0.14009	0.54513	0.04766	0.26798	0.22632	0.0477	2.41085274	0.001969913	3.259E-07	0.020091996	0.015638	0.026378356	0.035834	0.00725265	2.503512
1145	485205.11	3855238.89	0.36606	0.04955	0.14605	0.83331	0.04933	0.32554	0.27248	0.0496	2.67251151	0.002045028	3.398E-07	0.03071352	0.016186	0.03204422	0.043142	0.00752921	2.789113
1146	485255.11	3855238.89	0.34923	0.04902	0.1458	0.65382	0.04938	0.29436	0.2427	0.049	2.54963994	0.002023154	3.392E-07	0.024098011	0.016202	0.028975046	0.038427	0.00744867	2.651917
1147	485205.11	3855288.89	0.37983	0.05256	0.14818	1.31154	0.04991	0.44824	0.3424	0.0526	2.7730428	0.002169257	3.447E-07	0.048339765	0.016376	0.044122077	0.054213	0.00798658	2.930277
1148	485255.11	3855288.89	0.36696	0.05159	0.15838	0.92511	0.0508	0.36211	0.29252	0.0516	2.67908219	0.002129223	3.685E-07	0.034097016	0.016668	0.035643953	0.046315	0.00783919	2.806097
1149	485255.11	3855338.89	0.38276	0.05657	0.1693	1.46091	0.05338	0.46873	0.3484	0.0566	2.79443399	0.002334757	3.939E-07	0.053845134	0.017515	0.046138991	0.055163	0.00859591	2.960835
1150	485305.11	3855338.89	0.36848	0.05328	0.16248	0.98704	0.0525	0.38218	0.29952	0.0533	2.69017932	0.002198972	3.78E-07	0.036379586	0.017226	0.037619524	0.047424	0.00809599	2.822931
1151	485852.5	3855635.28	0.32356	0.0554	0.20961	0.4866	0.07342	0.25534	0.19292	0.0554	2.36222976	0.002286469	4.876E-07	0.017934741	0.02409	0.02513415	0.030545	0.00841812	2.453803
1152	485902.5	3855635.28	0.3144	0.05252	0.20636	0.43397	0.06869	0.23144	0.17551	0.0525	2.29535491	0.002167606	4.801E-07	0.015994943	0.022538	0.022781576	0.027789	0.0079805	2.378646
1153	485852.5	3855685.28	0.33909	0.05716	0.23429	0.56344	0.08096	0.27751	0.20854	0.0572	2.47561036	0.002359108	5.45E-07	0.020766852	0.026564	0.027316432	0.033019	0.00868556	2.57695
1154	485902.5	3855685.28	0.32828	0.05409	0.24521	0.48546	0.07848	0.2509	0.18704	0.0541	2.39668929	0.002232403	5.705E-07	0.017892723	0.02575	0.024697102	0.029614	0.00821907	2.488658
1155	485852.5	3855735.28	0.35184	0.05885	0.28539	0.67751	0.0815	0.30844	0.22744	0.0589	2.56869489	0.002428857	6.639E-07	0.024971159	0.026741	0.030360997	0.036011	0.00894236	2.680266
1156	485902.5	3855735.28	0.34217	0.05684	0.27528	0.57487	0.08622	0.27601	0.20541	0.0568	2.49809666	0.002345901	6.404E-07	0.021188131	0.02829	0.027168781	0.032523	0.00863693	2.600976
1157	485852.5	3855785.28	0.36368	0.06161	0.31512	0.88745	0.09202	0.36085	0.25073	0.0616	2.65513574	0.002542768	7.331E-07	0.032708972	0.030193	0.035519926	0.039699	0.00936174	2.786438
1158	485902.5	3855785.28	0.35395	0.05824	0.30542	0.69458	0.08915	0.30416	0.22236	0.0582	2.58409947	0.002403682	7.105E-07	0.025600313	0.029251	0.0299397	0.035207	0.00884967	2.697652
1159	486809.46	3856465.28	0.32822	0.05765	0.14329	0.52428	0.33541	0.26265	0.1865	0.0577	2.39625124	0.002379331	3.333E-07	0.019323522	0.110053	0.025853702	0.029529	0.00876001	2.57463
1160	486859.46	3856465.28	0.31828	0.0565	0.13802	0.47156	0.34526	0.24561	0.17721	0.0565	2.32368181	0.002331868	3.211E-07	0.017380408	0.113284	0.024176386	0.028058	0.00858527	2.500328
1161	486909.46	3856465.28	0.3097	0.05618	0.13915	0.42881	0.35403	0.23245	0.16867	0.0562	2.2610414	0.002318661	3.237E-07	0.01580476	0.116162	0.022880994	0.026706	0.00853665	2.436377
1162	486809.46	3856515.28	0.33859	0.05954	0.12518	0.59981	0.41335	0.28661	0.19773	0.0595	2.47195999	0.002457335	2.912E-07	0.022107351	0.135626	0.028212182	0.031307	0.0090472	2.682623
1163	486859.46	3856515.28	0.32761	0.05958	0.13142	0.5258	0.39974	0.2654	0.18714	0.0596	2.39179779	0.002458986	3.057E-07	0.019379545	0.13116	0.026124396	0.02963	0.00905328	2.591498
1164	486909.46	3856515.28	0.31809	0.05831	0.14171	0.47183	0.42393	0.24792	0.17772	0.0583	2.32229467	0.002406571	3.297E-07	0.017390359	0.139097	0.024403769	0.028139	0.0088603	2.524871
1165	486980.94	3856357.95	0.28199	0.05284	0.15122	0.3251	0.30667	0.19087	0.14228	0.0528	2.0587377	0.002180813	3.518E-07	0.011982294	0.100623	0.018788107	0.022527	0.00802913	2.20681
1166	487030.94	3856357.95	0.275	0.05266	0.14716	0.30668	0.321	0.18386	0.1374	0.0527	2.00770548	0.002173384	3.424E-07	0.011303383	0.105324	0.018098084	0.021755	0.00800178	2.158358
1167	486980.94	3856407.95	0.28951	0.05419	0.14236	0.34818	0.3596	0.20492	0.14932	0.0542	2.11363932	0.00223653	3.312E-07	0.012832959	0.11799	0.020171105	0.023642	0.00823426	2.282278
1168	487030.94	3856407.95	0.28186	0.05397	0.14136	0.32693	0.35964	0.19487	0.14392	0.054	2.0577886	0.00222745	3.289E-07	0.012049743	0.118003	0.019181843	0.022787	0.00820083	2.223837
1169	487447.18	3856437.45	0.23403	0.0532	0.12098	0.2292	0.50192	0.15546	0.11321	0.0532	1.70859386	0.002195671	2.814E-07	0.008447683	0.164687	0.015302557	0.017925	0.00808383	1.909068
1170	487497.18	3856437.45	0.22931	0.05315	0.11891	0.22188	0.49297	0.15235	0.10918	0.0532	1.67413434	0.002193607	2.766E-07	0.008177888	0.16175	0.014996427	0.017287	0.00807623	1.870463
1171	487547.18	3856437.45	0.22517	0.05328	0.11806	0.21426	0.49447	0.14863	0.10529	0.0533	1.64390924	0.002198972	2.747E-07	0.007897036	0.162242	0.014630252	0.016671	0.00809599	1.839453
1172	487447.18	3856487.45	0.2387	0.05489	0.11732	0.23628	0.58357	0.16028	0.11567	0.0549	1.74268835	0.00226542	2.729E-07	0.008708632	0.191477	0.015777009	0.018314	0.00834063	1.97089
1173	487497.18	3856487.45	0.23381	0.05461	0.11634	0.22881	0.57432	0.15673	0.11271	0.0546	1.7069877	0.002253864	2.707E-07	0.008433309	0.188442	0.015427568	0.017846	0.00829808	1.931092
1174	487547.18	3856487.45	0.22903	0.05486	0.11797	0.2217	0.57079	0.15353	0.10875	0.0549	1.67209013	0.002264182	2.744E-07	0.008171254	0.187284	0.015112579	0.017219	0.00833607	1.893805
1175	487447.18	3856537.45	0.24412	0.05626	0.11189	0.24389	0.67829	0.1659	0.11936	0.0563	1.7822584	0.002321963	2.603E-07	0.008989116	0.222556	0.016330208	0.018898	0.0085488	2.042806
1176	487497.18	3856537.45	0.23879	0.0562	0.11111	0.2356	0.68265	0.16187	0.1159	0.0562	1.74334542	0.002319487	2.585E-07	0.008683569	0.223987	0.015933519	0.018351	0.00853968	2.00408

1177	487547.18	3856537.45	0.2336	0.05649	0.11162	0.22779	0.69125	0.15828	0.11223	0.0565	1.70545454	0.002331456	2.597E-07	0.008395714	0.226808	0.015580141	0.01777	0.00858375	1.967756
1178	489285.89	3858826.54	0.25705	0.22657	0.14165	1.55636	0.19759	0.52811	0.22365	0.2266	1.87665706	0.009350998	3.295E-07	0.057363159	0.064832	0.051984004	0.035411	0.03442769	2.061171
1179	489335.89	3858826.54	0.24866	0.21546	0.15303	1.19835	0.20625	0.47595	0.21173	0.2155	1.81540379	0.008892466	3.56E-07	0.044167893	0.067673	0.046849685	0.033524	0.03273951	1.983772
1180	489385.89	3858826.54	0.24074	0.20133	0.15676	0.96418	0.19272	0.43493	0.20022	0.2013	1.75758188	0.008309293	3.647E-07	0.035537029	0.063234	0.04281192	0.031701	0.03059243	1.908583
1181	489435.89	3858826.54	0.23338	0.19295	0.15709	0.82512	0.16717	0.4057	0.19009	0.193	1.70384838	0.007963433	3.655E-07	0.030411659	0.054851	0.039934693	0.030097	0.02931908	1.837787
1182	489485.89	3858826.54	0.22765	0.18546	0.18563	0.73704	0.1454	0.38267	0.18056	0.1855	1.6620151	0.007654306	4.318E-07	0.027165272	0.047708	0.037667757	0.028588	0.02818096	1.782618
1183	489535.89	3858826.54	0.22273	0.17859	0.18922	0.66614	0.15169	0.36295	0.17281	0.1786	1.62609542	0.007370767	4.402E-07	0.024552092	0.049772	0.035726637	0.027361	0.02713705	1.743741
1184	489585.89	3858826.54	0.21798	0.17201	0.19578	0.61488	0.16981	0.34634	0.16625	0.172	1.59141687	0.007099197	4.555E-07	0.02266279	0.055717	0.034091648	0.026323	0.02613721	1.711173
1185	489635.89	3858826.54	0.21324	0.16511	0.18521	0.58122	0.16912	0.33363	0.15974	0.1651	1.55681133	0.006814421	4.309E-07	0.021422174	0.055491	0.032840551	0.025292	0.02508874	1.673583
1186	489685.89	3858826.54	0.2089	0.15917	0.1775	0.54172	0.16473	0.32191	0.1553	0.1592	1.52512609	0.006569265	4.129E-07	0.019966313	0.05405	0.031686904	0.024589	0.02418615	1.637802
1187	489735.89	3858826.54	0.20525	0.15387	0.16386	0.5058	0.16731	0.31128	0.14976	0.1539	1.49847836	0.006350523	3.812E-07	0.0186424	0.054897	0.03064055	0.023712	0.02338081	1.60934
1188	489785.89	3858826.54	0.2023	0.14919	0.15524	0.47837	0.17115	0.30157	0.14513	0.1492	1.47694116	0.00615737	3.611E-07	0.017631406	0.056157	0.029684755	0.022979	0.02266967	1.586881
1189	489835.89	3858826.54	0.19926	0.14464	0.15099	0.45849	0.17096	0.29239	0.14012	0.1446	1.45474688	0.005969583	3.513E-07	0.016898683	0.056094	0.028781131	0.022185	0.02197829	1.562698
1190	489885.89	3858826.54	0.19602	0.14076	0.13739	0.44167	0.17174	0.28424	0.13635	0.1408	1.43109246	0.005809447	3.196E-07	0.016278744	0.05635	0.027978893	0.021589	0.02138872	1.53771
1191	489935.89	3858826.54	0.19265	0.13737	0.12976	0.42872	0.1672	0.27644	0.13323	0.1374	1.40648895	0.005669535	3.019E-07	0.015801443	0.054861	0.027211108	0.021095	0.0208736	1.510253
1192	489985.89	3858826.54	0.18915	0.13431	0.13043	0.41606	0.16155	0.26943	0.13021	0.1343	1.38093633	0.005543243	3.034E-07	0.01533483	0.053007	0.026521085	0.020616	0.02040863	1.48155
1193	490035.89	3858826.54	0.18616	0.13234	0.12443	0.39991	0.15486	0.2629	0.12602	0.1323	1.3591071	0.005461937	2.895E-07	0.014739585	0.050812	0.025878311	0.019953	0.02010929	1.455843
1194	489285.89	3858876.54	0.26069	0.25556	0.14504	1.67459	0.18113	0.61168	0.24755	0.2556	1.90323178	0.010547473	3.374E-07	0.061720792	0.059431	0.060210138	0.039195	0.03883277	2.095504
1195	489335.89	3858876.54	0.2508	0.23781	0.14931	1.23561	0.18678	0.54195	0.23134	0.2378	1.83102739	0.009814895	3.474E-07	0.045541194	0.061285	0.053346332	0.036628	0.03613563	2.001508
1196	489385.89	3858876.54	0.2417	0.22424	0.16107	1.00968	0.19113	0.48847	0.21862	0.2242	1.76459059	0.009254834	3.747E-07	0.037214034	0.062712	0.048082079	0.034614	0.03407365	1.922395
1197	489435.89	3858876.54	0.23478	0.21158	0.16907	0.87831	0.17851	0.44793	0.20694	0.2116	1.71406942	0.008732331	3.933E-07	0.032372096	0.058572	0.044091563	0.032765	0.03214994	1.858453
1198	489485.89	3858876.54	0.22971	0.19958	0.19198	0.77683	0.15629	0.41563	0.19667	0.1996	1.67705464	0.008237067	4.466E-07	0.028631822	0.051281	0.040912143	0.031139	0.03032652	1.80693
1199	489535.89	3858876.54	0.22547	0.19123	0.21134	0.70005	0.13237	0.38748	0.18658	0.1912	1.64609947	0.007892445	4.917E-07	0.025801922	0.043432	0.038141224	0.029542	0.02905772	1.761852
1200	489585.89	3858876.54	0.22078	0.18332	0.20741	0.63874	0.13817	0.36471	0.17745	0.1833	1.61185896	0.007565984	4.825E-07	0.023542204	0.045335	0.035899881	0.028096	0.02785578	1.724443
1201	489635.89	3858876.54	0.21506	0.17635	0.2023	0.58709	0.15227	0.34772	0.17038	0.1764	1.57009869	0.007278318	4.706E-07	0.021638526	0.049962	0.034227487	0.026977	0.02679668	1.683385
1202	489685.89	3858876.54	0.20994	0.16977	0.19094	0.55028	0.15563	0.33504	0.16339	0.1698	1.53271886	0.007006748	4.442E-07	0.020281811	0.051064	0.032979343	0.02587	0.02579684	1.644125
1203	489735.89	3858876.54	0.20649	0.16358	0.18556	0.52071	0.15475	0.32268	0.15792	0.1636	1.50753129	0.006751274	4.317E-07	0.019191942	0.050776	0.031762698	0.025004	0.02485626	1.616161
1204	489785.89	3858876.54	0.20356	0.15829	0.17303	0.49235	0.15531	0.31212	0.15264	0.1583	1.4861401	0.006532945	4.025E-07	0.01814667	0.050959	0.030723235	0.024168	0.02405243	1.592618
1205	489835.89	3858876.54	0.20068	0.15288	0.16334	0.46731	0.15905	0.30142	0.14829	0.1529	1.46511394	0.006309664	3.8E-07	0.017223764	0.052186	0.02966999	0.023479	0.02323037	1.570753
1206	489885.89	3858876.54	0.1972	0.14877	0.14842	0.44765	0.15947	0.29288	0.14391	0.1488	1.43970734	0.006140036	3.453E-07	0.016499151	0.052324	0.028829364	0.022786	0.02260585	1.54368
1207	489935.89	3858876.54	0.19335	0.14401	0.13574	0.42646	0.15974	0.28362	0.13965	0.144	1.41159947	0.005943581	3.158E-07	0.015718145	0.052413	0.027917864	0.022111	0.02188256	1.513821
1208	489985.89	3858876.54	0.1901	0.13889	0.12478	0.41009	0.16147	0.2761	0.13575	0.1389	1.38787204	0.005732269	2.903E-07	0.015114792	0.05298	0.02717764	0.021494	0.02110457	1.489266
1209	490035.89	3858876.54	0.18712	0.13653	0.12433	0.39594	0.15595	0.26676	0.13162	0.1365	1.36611581	0.005634867	2.892E-07	0.014593262	0.051169	0.026258266	0.02084	0.02074596	1.463865
1210	489285.89	3858926.54	0.27301	0.28788	0.13698	2.0664	0.19064	0.82513	0.2802	0.2879	1.99317699	0.011881384	3.187E-07	0.076161834	0.062552	0.081220885	0.044365	0.04374385	2.225614
1211	489335.89	3858926.54	0.2583	0.26987	0.14744	1.46444	0.16953	0.66678	0.25861	0.2699	1.885783	0.011138076	3.43E-07	0.05397524	0.055625	0.065633854	0.040946	0.0410072	2.072095
1212	489385.89	3858926.54	0.24786	0.25371	0.1568	1.1605	0.17685	0.57028	0.24096	0.2537	1.8095632	0.01047112	3.648E-07	0.042772846	0.058027	0.056134968	0.038152	0.03855166	1.976569
1213	489435.89	3858926.54	0.24194	0.23609	0.1659	0.96361	0.17815	0.50693	0.2266	0.2361	1.76634277	0.009743907	3.859E-07	0.03551602	0.058453	0.049899171	0.035878	0.03587427	1.919959
1214	489485.89	3858926.54	0.23708	0.22198	0.19166	0.83508	0.16583	0.46385	0.21406	0.222	1.73086114	0.009161559	4.459E-07	0.030778757	0.054411	0.045658633	0.033893	0.03373023	1.871034
1215	489535.89	3858926.54	0.23113	0.20704	0.22351	0.74852	0.14644	0.42885	0.20304	0.207	1.6874217	0.008544956	5.2E-07	0.027588393	0.048049	0.042213441	0.032148	0.03146008	1.814506
1216	489585.89	3858926.54	0.22355	0.19763	0.21909	0.68106	0.12329	0.39992	0.19286	0.1976	1.63208203	0.008156586	5.097E-07	0.025102003	0.040453	0.039365744	0.030536	0.03003021	1.745666
1217	489635.89	3858926.54	0.21727	0.18895	0.23815	0.62578	0.12672	0.37529	0.18346	0.189	1.58623334	0.007798345	5.54E-07	0.023064534	0.041579	0.036941313	0.029048	0.02871127	1.695953
1218	489685.89	3858926.54	0.21323	0.18143	0.2145	0.58032	0.13773	0.35645	0.17447	0.1814	1.55673832	0.00748798	4.99E-07	0.021389003	0.045191	0.035086816	0.027624	0.02756859	1.665949
1219	489735.89	3858926.54	0.2096	0.17454	0.21355	0.54893	0.14303	0.3429	0.16776	0.1745	1.53023661	0.007203616	4.968E-07	0.020232053	0.04693	0.033753035	0.026562	0.02652165	1.638396
1220	489785.89	3858926.54	0.20609	0.16861	0.19453	0.51762	0.13884	0.33077	0.16181	0.1686	1.50461099	0.006958873	4.526E-07	0.019078053	0.045555	0.03255903	0.02562	0.02562057	1.608762
1221	489835.89	3858926.54	0.20245	0.16308	0.18321	0.48829	0.14408	0.31871	0.15654	0.1631	1.47803627	0.006730638	4.262E-07	0.017997029	0.047275	0.031371915	0.024785	0.02478028	1.581416
1222	489885.89	3858926.54	0.19888	0.15799	0.16475	0.46515	0.14763	0.30759	0.15151	0.158	1.4519726	0.006520564	3.833E-07	0.017144153	0.048439	0.030277328	0.023989	0.02400685	1.554336
1223	489935.89	3858926.54	0.1947	0.15293	0.14647	0.44451	0.14885	0.29693	0.14626	0.1529	1.42145548	0.006311728	3.407E-07	0.016383419	0.04884	0.029228022	0.023158	0.02323797	1.522138
1224	489985.89	3858926.54	0.19154	0.14707	0.13529	0.42594	0.14912	0.28528	0.14257	0.1471	1.39838512	0.006069874	3.147E-07	0.01569898	0.048928	0.028081265	0.022573	0.02234753	1.49739
1225	490035.89	3858926.54	0.18874	0.14073	0.13258	0.40622	0.15387	0.27538	0.13704	0.1407	1.37794302	0.005808209	3.084E-07	0.014972155	0.050487	0.027106768	0.021698	0.02138416	1.476631
1226	489335.89	3858976.54	0.28215	0.30545	0.16326	2.34234	0.1733	0.96397	0.2946	0.3055	2.05990582	0.012606534	3.798E-07	0.086332225	0.056862	0.094887468	0.046645	0.04641364	2.310825
1227	489385.89	3858976.54	0.26682	0.28423	0.17106	1.52951	0.15927	0.73372	0.26955	0.2842	1.94798536	0.011730742	3.98E-07	0.056373542	0.052259	0.072223029	0.042678	0.04318923	2.140061
1228	489435.89	3858976.54	0.25697	0.26707	0.1698	1.19548	0.16735	0.61272	0.25155	0.2671	1.876073	0.011022514	3.95E-07	0.044062112	0.05491	0.060312509	0.039828	0.04058174	2.045627
1229	489485.89	3858976.54	0.24861	0.25119	0.20499	0.9811	0.16592	0.53691	0.23646	0.2512	1.81503876	0.010367115	4.769E-07	0.036160654	0.054441	0.052850224	0.037439	0.03816874	1.968128
1230	489535.89	3858976.54	0.23783	0.2338	0.22631	0.84222	0.15354	0.48224	0.22253	0.2338	1.7363367	0.009649395	5.265E-07	0.031041918	0.050379	0.047468835	0.035234	0.0355263	1.874583
1231	489585.89	3858976.54	0.22941	0.21964	0.25574	0.74903	0.13703	0.4412	0.21057	0.2196	1.67486441	0.009064983	5.95E-07	0.02760719	0.044961	0.043429101	0.03334	0.03337467	1.799893
1232	489635.89	3858976.54	0.2247	0.20514	0.25816	0.68214	0.11519	0.41005	0.19941	0.2051	1.64047789	0.008466539	6.006E-07	0.025141809	0.037795	0.040362881	0.031573	0.03117137	1.752647
1233	489685.89	3858976.54	0.22036	0.19543	0.23623	0.62805	0.11664	0.3845	0.18946	0.1954	1.60879265	0.008065788	5.496E-07	0.0231482	0.038271	0.037847891	0.029998	0.02969592	1.716428
1234	489735.89	3858976.54	0.21612	0.187	0.24354	0.58374	0.12557	0.36523	0.18105	0.187	1.57783748	0.007717865	5.666E-07	0.021515055	0.041201	0.035951067	0.028666	0.02841496	1.684474
1235	489785.89	3858976.54	0.21153	0.17975	0.22416	0.54727	0.13077	0.34953	0.17401	0.1798	1.54432705	0.007418643	5.215E-07	0.02017087	0.042907	0.034405652	0.027551	0.02731331	1.649468

1236	489835.89	3858976.54	0.20632	0.17302	0.20857	0.51564	0.12639	0.3355	0.1679	0.173
1237	489885.89	3858976.54	0.20139	0.16784	0.17997	0.48562	0.13567	0.32126	0.16011	0.1678
1238	489935.89	3858976.54	0.19766	0.16164	0.1597	0.46026	0.13679	0.30743	0.15476	0.1616
1239	489985.89	3858976.54	0.19449	0.15632	0.14849	0.43975	0.13797	0.2958	0.14917	0.1563
1240	490035.89	3858976.54	0.19176	0.14595	0.14521	0.41012	0.14	0.27993	0.14113	0.146
1241	489385.89	3859026.54	0.2912	0.32746	0.19358	2.0406	0.15884	1.20132	0.312	0.3275
1242	489435.89	3859026.54	0.2797	0.30116	0.21091	1.72251	0.15063	0.82199	0.28527	0.3012
1243	489485.89	3859026.54	0.26236	0.28068	0.21344	1.29464	0.15812	0.66099	0.26411	0.2807
1244	489535.89	3859026.54	0.24914	0.26373	0.25275	1.04077	0.15521	0.57138	0.24706	0.2637
1245	489585.89	3859026.54	0.24039	0.24798	0.28612	0.8697	0.14164	0.51005	0.23248	0.248
1246	489635.89	3859026.54	0.23305	0.23261	0.30474	0.76118	0.12824	0.4601	0.21981	0.2326
1247	489685.89	3859026.54	0.22725	0.21719	0.29325	0.68622	0.10893	0.42198	0.20868	0.2172
1248	489735.89	3859026.54	0.22168	0.2039	0.29091	0.63452	0.10903	0.3939	0.19826	0.2039
1249	489785.89	3859026.54	0.21617	0.19437	0.25252	0.58415	0.11467	0.37241	0.18938	0.1944
1250	489835.89	3859026.54	0.21067	0.18525	0.22939	0.53992	0.11978	0.35321	0.1814	0.1853
1251	489885.89	3859026.54	0.20591	0.17771	0.19669	0.50346	0.11696	0.33649	0.17582	0.1777
1252	489935.89	3859026.54	0.20183	0.17231	0.18221	0.4777	0.1263	0.32002	0.16719	0.1723
1253	489985.89	3859026.54	0.19758	0.16573	0.17948	0.45978	0.12719	0.30728	0.16007	0.1657
1254	490035.89	3859026.54	0.19449	0.15281	0.1847	0.42113	0.12908	0.28301	0.14961	0.1528
1255	489485.89	3859076.54	0.27608	0.32212	0.24535	2.16691	0.14435	0.96008	0.30336	0.3221
1256	489535.89	3859076.54	0.26448	0.29678	0.27424	1.43676	0.14966	0.71827	0.27877	0.2968
1257	489585.89	3859076.54	0.25337	0.27696	0.33289	1.13333	0.14554	0.60053	0.25916	0.277
1258	489635.89	3859076.54	0.24374	0.26087	0.37655	0.92145	0.13092	0.52953	0.24388	0.2609
1259	489685.89	3859076.54	0.23571	0.246	0.33996	0.79444	0.12007	0.48036	0.23061	0.246
1260	489735.89	3859076.54	0.22849	0.23113	0.34273	0.71412	0.10313	0.43873	0.21915	0.2311
1261	489785.89	3859076.54	0.22199	0.21725	0.31525	0.65253	0.103	0.40628	0.20829	0.2173
1262	489835.89	3859076.54	0.21626	0.20316	0.25639	0.59712	0.10533	0.38091	0.19874	0.2032
1263	489885.89	3859076.54	0.21021	0.19169	0.22537	0.54934	0.10973	0.35758	0.18989	0.1917
1264	489935.89	3859076.54	0.20559	0.18349	0.21035	0.51081	0.10744	0.33901	0.18388	0.1835
1265	489985.89	3859076.54	0.2018	0.17744	0.22394	0.48264	0.11387	0.3232	0.17559	0.1774
1266	490035.89	3859076.54	0.19793	0.16376	0.24696	0.43584	0.12041	0.2971	0.16217	0.1638
1267	489585.89	3859126.54	0.2798	0.31689	0.39072	1.67839	0.14187	0.79918	0.29968	0.3169
1268	489635.89	3859126.54	0.26407	0.29351	0.4608	1.24299	0.13626	0.63911	0.27643	0.2935
1269	489685.89	3859126.54	0.25022	0.27461	0.44075	1.0089	0.12213	0.5489	0.25864	0.2746
1270	489735.89	3859126.54	0.23935	0.25844	0.39791	0.84474	0.11227	0.49062	0.24395	0.2584
1271	489785.89	3859126.54	0.23177	0.24386	0.36483	0.74917	0.09784	0.44877	0.23094	0.2439
1272	489835.89	3859126.54	0.22356	0.22906	0.32326	0.67429	0.09751	0.41615	0.21914	0.2291
1273	489885.89	3859126.54	0.21771	0.21521	0.28057	0.61166	0.09854	0.38817	0.20669	0.2152
1274	489935.89	3859126.54	0.21162	0.20185	0.28062	0.55698	0.10214	0.36413	0.1974	0.2019
1275	489985.89	3859126.54	0.20609	0.18818	0.33428	0.51018	0.09922	0.34262	0.18767	0.1882
1276	490035.89	3859126.54	0.20072	0.17702	0.34133	0.46899	0.10419	0.3211	0.17613	0.177
1277	489585.89	3859176.54	0.30066	0.37247	0.50769	2.32114	0.13311	1.23244	0.36542	0.3725
1278	489635.89	3859176.54	0.28694	0.34064	0.57215	2.1787	0.13474	0.94085	0.32671	0.3406
1279	489685.89	3859176.54	0.26716	0.31297	0.60967	1.40808	0.12804	0.69246	0.29879	0.313
1280	489735.89	3859176.54	0.25245	0.29061	0.49999	1.09148	0.11405	0.57397	0.27667	0.2906
1281	489785.89	3859176.54	0.23937	0.2717	0.48135	0.91457	0.10436	0.50844	0.25833	0.2717
1282	489835.89	3859176.54	0.22994	0.2555	0.41337	0.78202	0.09289	0.45546	0.24274	0.2555
1283	489885.89	3859176.54	0.22333	0.23964	0.38492	0.68857	0.09216	0.41827	0.22902	0.2396
1284	489935.89	3859176.54	0.21659	0.2265	0.44837	0.62376	0.09345	0.39101	0.21583	0.2265
1285	489985.89	3859176.54	0.21095	0.21139	0.4768	0.56533	0.09586	0.36656	0.20299	0.2114
1286	490035.89	3859176.54	0.20578	0.19917	0.51577	0.51808	0.09152	0.34852	0.19418	0.1992
1287	489685.89	3859226.54	0.28273	0.36664	0.8622	1.96451	0.12867	1.16466	0.35608	0.3666
1288	489735.89	3859226.54	0.26828	0.33624	0.7317	1.66386	0.12019	0.77576	0.32257	0.3362
1289	489785.89	3859226.54	0.25518	0.30855	0.67863	1.21279	0.10556	0.61716	0.29638	0.3086
1290	489835.89	3859226.54	0.24341	0.28597	0.60729	0.98365	0.09698	0.53037	0.27421	0.286
1291	489885.89	3859226.54	0.23418	0.26783	0.62187	0.84173	0.08833	0.47254	0.25626	0.2678
1292	489935.89	3859226.54	0.22561	0.25203	0.73838	0.72858	0.0872	0.42859	0.24036	0.252
1293	489985.89	3859226.54	0.21748	0.2321	0.78531	0.64032	0.0892	0.39082	0.22068	0.2321
1294	490035.89	3859226.54	0.20968	0.22046	0.81303	0.58453	0.09042	0.36891	0.21065	0.2205

1.50629016	0.007140882	4.852E-07	0.019005075	0.04147	0.033024623	0.026584	0.02629068	1.607225
1.47029748	0.006927093	4.187E-07	0.017898621	0.044515	0.031622922	0.025351	0.02550357	1.571109
1.44306569	0.006671207	3.715E-07	0.016963921	0.044883	0.030261579	0.024503	0.02456147	1.541787
1.41992232	0.00645164	3.454E-07	0.016207978	0.04527	0.029116791	0.023618	0.02375309	1.516834
1.39999128	0.006023649	3.378E-07	0.015115898	0.045936	0.027554643	0.022345	0.02217735	1.49479
2.12597758	0.01351493	4.503E-07	0.075210916	0.052118	0.118250789	0.0494	0.0497581	2.384714
2.04201899	0.012429477	4.907E-07	0.063486992	0.049424	0.080911802	0.045167	0.04576177	2.247677
1.91542403	0.011584226	4.965E-07	0.047716878	0.051881	0.065063921	0.041817	0.0426498	2.090838
1.81890815	0.010884666	5.88E-07	0.038359926	0.050926	0.056243246	0.039117	0.04007422	1.974366
1.75502662	0.010234632	6.656E-07	0.032054755	0.046474	0.050206286	0.036809	0.03768098	1.893125
1.70143913	0.009600281	7.089E-07	0.028055006	0.042077	0.045289505	0.034803	0.03534548	1.825919
1.6590948	0.008963867	6.822E-07	0.025292186	0.035741	0.041537199	0.033041	0.03300239	1.770668
1.61842964	0.008415362	6.768E-07	0.023386666	0.035774	0.038773171	0.031391	0.03098295	1.725188
1.57820252	0.008022039	5.875E-07	0.021530166	0.037625	0.036657823	0.029985	0.02953485	1.682488
1.53804841	0.007645639	5.337E-07	0.01989997	0.039301	0.03476789	0.028721	0.02814905	1.640236
1.50329685	0.007334448	4.576E-07	0.018556154	0.038376	0.033122072	0.027838	0.02700333	1.601521
1.4735098	0.007111579	4.239E-07	0.017606711	0.041441	0.031500864	0.026471	0.02618279	1.571459
1.44248163	0.006840009	4.175E-07	0.016946229	0.041733	0.030246814	0.025344	0.02518295	1.538409
1.41992232	0.006306775	4.297E-07	0.015521696	0.042353	0.02785782	0.023688	0.02321974	1.51243
2.01559028	0.013294538	5.708E-07	0.079866356	0.047363	0.09450456	0.048032	0.04894668	2.249704
1.93090162	0.012248705	6.38E-07	0.052955031	0.049105	0.070702223	0.044138	0.04509622	2.114956
1.84979031	0.011430694	7.744E-07	0.041771434	0.047754	0.059112598	0.041033	0.04208454	2.008808
1.77948412	0.010766628	8.76E-07	0.033962118	0.042957	0.052123781	0.038614	0.03963964	1.918268
1.72085912	0.010152913	7.909E-07	0.029280878	0.039397	0.047283779	0.036513	0.03738011	1.846107
1.66814772	0.009539198	7.973E-07	0.026320504	0.033838	0.043185969	0.034698	0.03512059	1.78061
1.62069287	0.008966343	7.334E-07	0.024050465	0.033796	0.039991785	0.032979	0.0330115	1.727465
1.57885959	0.00838482	5.965E-07	0.022008205	0.03456	0.037494513	0.031467	0.0308705	1.681904
1.53469007	0.00791143	5.243E-07	0.020247165	0.036004	0.035198046	0.030066	0.02912762	1.634989
1.50096061	0.007573	4.894E-07	0.018827055	0.035253	0.033370126	0.029114	0.02788161	1.597216
1.47329078	0.007323304	5.21E-07	0.017788786	0.037362	0.031813884	0.027801	0.02696231	1.568419
1.44503689	0.006758703	5.745E-07	0.016063866	0.039508	0.029244755	0.025677	0.02488361	1.537406
2.04274906	0.013078685	9.09E-07	0.06186085	0.046549	0.078666522	0.047449	0.04815197	2.242202
1.92790831	0.012113746	1.072E-06	0.045813201	0.044709	0.062910184	0.043768	0.04459934	2.092624
1.82679296	0.011333705	1.025E-06	0.037185286	0.040073	0.054030448	0.040951	0.04172745	1.968639
1.74743384	0.010666337	9.257E-07	0.031134798	0.036837	0.048293712	0.038625	0.03927039	1.873722
1.69209417	0.010064591	8.487E-07	0.02761235	0.032103	0.044174247	0.036565	0.03705494	1.805559
1.63215504	0.009453765	7.52E-07	0.024852479	0.031994	0.040963329	0.034697	0.03480605	1.73931
1.58944567	0.008882148	6.527E-07	0.022544109	0.032332	0.038209144	0.032726	0.03270152	1.691438
1.54498412	0.008330754	6.528E-07	0.020528754	0.033514	0.035842789	0.031255	0.03067145	1.643784
1.50461099	0.007766566	7.777E-07	0.018803835	0.032555	0.033725473	0.029714	0.02859427	1.598583
1.46540597	0.00730597	7.941E-07	0.017285684	0.034186	0.031607172	0.027887	0.02689849	1.55678
2.19504265	0.015372583	1.181E-06	0.085550851	0.043675	0.121314057	0.057858	0.05659744	2.462217
2.0948764	0.014058895	1.331E-06	0.080300903	0.04421	0.092611673	0.051729	0.05176082	2.326027
1.95046762	0.012916899	1.418E-06	0.051897965	0.042012	0.06816164	0.047308	0.04755632	2.125209
1.84307363	0.011994057	1.163E-06	0.040228958	0.037421	0.05649819	0.043806	0.04415868	1.988864
1.74757985	0.011213603	1.12E-06	0.033708541	0.034242	0.050047807	0.040902	0.04128527	1.876409
1.67873381	0.010544997	9.617E-07	0.028823111	0.030478	0.044832771	0.038433	0.03882365	1.793024
1.63047587	0.009890423	8.955E-07	0.025378801	0.030239	0.041172009	0.036261	0.0364137	1.737004
1.58126883	0.009348109	1.043E-06	0.022990082	0.030662	0.038488697	0.034173	0.03441706	1.682515
1.54009262	0.008724489	1.109E-06	0.020836512	0.031453	0.036081984	0.03214	0.03212107	1.637208
1.50234776	0.008220145	1.2E-06	0.019095007	0.030029	0.034306234	0.030745	0.03026422	1.59448
2.06414025	0.015131968	2.006E-06	0.072406448	0.042218	0.114642197	0.056379	0.05571156	2.309208
1.95864445	0.013877299	1.702E-06	0.061325314	0.039436	0.076361196	0.051073	0.05109223	2.149627
1.86300467	0.012734477	1.579E-06	0.044700111	0.034636	0.060749556	0.046926	0.04688469	2.015868
1.77707487	0.011802555	1.413E-06	0.03625464	0.03182	0.052206465	0.043416	0.04345362	1.909123
1.70968898	0.011053881	1.447E-06	0.031023858	0.028982	0.046514024	0.040574	0.04069722	1.827141
1.64712157	0.010401783	1.718E-06	0.02685346	0.028611	0.042187848	0.038057	0.03829638	1.754938
1.5877665	0.009579232	1.827E-06	0.023600438	0.029268	0.038469994	0.034941	0.03526799	1.688358
1.53082067	0.009098826	1.891E-06	0.021544172	0.029668	0.036313304	0.033353	0.03349927	1.6273

1295	489735.89	3859276.54	0.29535	0.39871	1.26673	2.239	0.12282	1.19289	0.3913	0.3987
1296	489785.89	3859276.54	0.27749	0.36126	1.14503	2.20637	0.11299	0.91101	0.34954	0.3613
1297	489835.89	3859276.54	0.26163	0.32981	1.03367	1.39029	0.09746	0.6754	0.31807	0.3298
1298	489885.89	3859276.54	0.24322	0.30309	1.24583	1.07151	0.09025	0.56344	0.29294	0.3031
1299	489935.89	3859276.54	0.232	0.28135	1.39075	0.89387	0.08412	0.49437	0.27116	0.2814
1300	489985.89	3859276.54	0.22145	0.25893	1.34439	0.75616	0.08297	0.43597	0.24669	0.2589
1301	490035.89	3859276.54	0.21304	0.24557	1.33269	0.68058	0.08471	0.40471	0.23508	0.2456
1302	490458.06	3859590.74	0.22144	0.35394	0.57799	1.29305	0.06071	0.60428	0.34702	0.3539
1303	490508.06	3859590.74	0.20974	0.3201	0.56308	1.02556	0.05409	0.51748	0.31968	0.3201
1304	490558.06	3859590.74	0.20007	0.29338	0.53342	0.86336	0.0558	0.46171	0.28837	0.2934
1305	490608.06	3859590.74	0.19225	0.26322	0.47521	0.73451	0.05942	0.40512	0.26263	0.2632
1306	490658.06	3859590.74	0.18571	0.24052	0.45338	0.63692	0.06607	0.36178	0.24009	0.2405
1307	490708.06	3859590.74	0.17994	0.2202	0.42526	0.55763	0.0681	0.32764	0.21747	0.2202
1308	490758.06	3859590.74	0.17469	0.19749	0.39799	0.49139	0.06613	0.30057	0.19701	0.1975
1309	490808.06	3859590.74	0.16975	0.18363	0.38029	0.44645	0.06718	0.2808	0.18474	0.1836
1310	490858.06	3859590.74	0.16602	0.16962	0.35591	0.40598	0.0728	0.26164	0.17164	0.1696
1311	490458.06	3859640.74	0.25524	0.45331	0.55366	2.67136	0.06096	1.02538	0.45103	0.4533
1312	490508.06	3859640.74	0.2352	0.40473	0.51799	1.81453	0.05912	0.76296	0.40453	0.4047
1313	490558.06	3859640.74	0.21699	0.36546	0.4894	1.31382	0.05263	0.61279	0.36841	0.3655
1314	490608.06	3859640.74	0.20606	0.33043	0.46506	1.03918	0.05322	0.51804	0.32633	0.3304
1315	490658.06	3859640.74	0.19628	0.29566	0.43419	0.84035	0.05569	0.44206	0.28975	0.2957
1316	490708.06	3859640.74	0.18836	0.26639	0.42213	0.71366	0.0612	0.39007	0.26601	0.2664
1317	490758.06	3859640.74	0.18139	0.23617	0.40062	0.61047	0.06582	0.34862	0.23531	0.2362
1318	490808.06	3859640.74	0.17522	0.21369	0.36818	0.55252	0.06354	0.32348	0.21349	0.2137
1319	490858.06	3859640.74	0.1699	0.19915	0.33763	0.50546	0.06323	0.30235	0.1998	0.1992
1320	490608.06	3859690.74	0.23217	0.42878	0.44563	1.87763	0.05135	0.7634	0.43141	0.4288
1321	490658.06	3859690.74	0.21343	0.36534	0.41032	1.30494	0.05129	0.6025	0.36665	0.3653
1322	490708.06	3859690.74	0.19999	0.32303	0.38048	1.01806	0.05318	0.50045	0.32134	0.323
1323	490758.06	3859690.74	0.19022	0.29073	0.34199	0.82254	0.05698	0.42881	0.28965	0.2907
1324	490808.06	3859690.74	0.18231	0.25889	0.33801	0.69747	0.0632	0.38042	0.25836	0.2589
1325	490858.06	3859690.74	0.17505	0.23921	0.3249	0.63865	0.06116	0.35836	0.23781	0.2392
1326	490708.06	3859740.74	0.22741	0.4316	0.36811	1.94304	0.04975	0.75847	0.44133	0.4316
1327	490758.06	3859740.74	0.21043	0.37771	0.35993	1.34396	0.05114	0.61102	0.38098	0.3777
1328	490808.06	3859740.74	0.19602	0.33775	0.33663	1.06393	0.05293	0.51948	0.34239	0.3378
1329	490858.06	3859740.74	0.18558	0.30506	0.31617	0.89059	0.05834	0.46513	0.30825	0.3051
1330	490786.56	3859749.39	0.20581	0.37189	0.34655	1.27163	0.05132	0.59032	0.3769	0.3719
1331	490836.56	3859749.39	0.19235	0.33453	0.32558	1.03136	0.05422	0.51041	0.33841	0.3345
1332	490786.56	3859799.39	0.23036	0.5414	0.26356	2.34233	0.04811	0.98966	0.56326	0.5414
1333	490836.56	3859799.39	0.2201	0.45463	0.27267	1.86887	0.04943	0.74923	0.46965	0.4546
1334	492307.84	3854508.36	0.07931	0.02149	0.04524	0.04073	0.04837	0.03453	0.02695	0.0215
1335	486445.7	3854753.6	0.15439	0.02459	0.09519	0.09003	0.03876	0.06371	0.05515	0.0246
1336	472599.75	3877830.11	0.00199	0.0039	0.00173	0.00277	0.00086	0.0036	0.00376	0.0039
1337	493107.48	3866840.19	0.01178	0.00779	0.00263	0.01043	0.00164	0.01071	0.00858	0.0078
1338	495815.79	3861662.87	0.0363	0.18386	0.02449	0.04243	0.02161	0.05272	0.1852	0.1839
1339	480272.33	3841389.2	0.00491	0.00413	0.00233	0.00288	0.00552	0.00309	0.00403	0.0041
1340	497005.18	3862813.64	0.0213	0.11191	0.01039	0.02627	0.01343	0.02692	0.11229	0.1119
1341	493677.33	3860302.55	0.07269	0.07776	0.06531	0.11621	0.04129	0.854	0.07843	0.0778
1342	493727.33	3860302.55	0.07224	0.07668	0.06468	0.11382	0.04216	0.84429	0.0774	0.0767
1343	493777.33	3860302.55	0.07188	0.07539	0.06456	0.1121	0.04311	0.83759	0.07609	0.0754
1344	493827.33	3860302.55	0.07161	0.0741	0.06457	0.10986	0.04406	0.82967	0.07467	0.0741
1345	493877.33	3860302.55	0.07131	0.07345	0.06436	0.10854	0.04297	0.81015	0.07392	0.0735
1346	493927.33	3860302.55	0.07094	0.07266	0.06383	0.10798	0.04284	0.78958	0.07363	0.0727
1347	493977.33	3860302.55	0.07117	0.07025	0.06297	0.10665	0.04403	0.80006	0.07143	0.0703
1348	494027.33	3860302.55	0.07111	0.06883	0.06231	0.10639	0.04536	0.80115	0.06962	0.0688
1349	493677.33	3860352.55	0.07155	0.07849	0.06742	0.11725	0.03849	0.49843	0.08018	0.0785
1350	493727.33	3860352.55	0.07105	0.07802	0.06653	0.11396	0.03922	0.49649	0.07957	0.078
1351	493777.33	3860352.55	0.07057	0.07745	0.06484	0.1109	0.04015	0.49034	0.07867	0.0775
1352	493827.33	3860352.55	0.07019	0.07651	0.06316	0.10814	0.04091	0.48552	0.07752	0.0765
1353	493877.33	3860352.55	0.06997	0.0751	0.06194	0.10607	0.04172	0.48261	0.07612	0.0751

2.15627568	0.016455561	2.947E-06	0.082523396	0.040299	0.11742099	0.061955	0.06058465	2.414348		
2.02588434	0.014909924	2.664E-06	0.081320744	0.037074	0.089674401	0.055343	0.05489406	2.249315		
1.91009449	0.01361192	2.405E-06	0.051242274	0.031978	0.066482355	0.050361	0.05011518	2.073657		
1.77568773	0.012509132	2.898E-06	0.039492918	0.029612	0.055461679	0.046382	0.04605504	1.913093		
1.69377335	0.011611878	3.235E-06	0.032945595	0.027601	0.04866284	0.042933	0.04275161	1.814779		
1.61675046	0.01068656	3.128E-06	0.027869983	0.027224	0.042914291	0.039059	0.03934485	1.725162		
1.55535118	0.010135166	3.1E-06	0.025084311	0.027794	0.039837243	0.037221	0.03731477	1.658111		
1.61667746	0.014607813	1.345E-06	0.047658275	0.01992	0.059481726	0.054944	0.05378178	1.759509		
1.53125871	0.013211168	1.31E-06	0.037799327	0.017748	0.050937651	0.050616	0.04863973	1.652932		
1.46066049	0.012108381	1.241E-06	0.03182108	0.018309	0.045447984	0.045658	0.04457958	1.569426		
1.40356865	0.010863617	1.106E-06	0.027072023	0.019497	0.039877601	0.041583	0.03999672	1.502465		
1.35582176	0.009926742	1.055E-06	0.023475123	0.021678	0.035611469	0.038014	0.03654742	1.447981		
1.31369645	0.009088095	9.893E-07	0.020552712	0.022345	0.032250931	0.034432	0.03345976	1.398906		
1.27536753	0.008150808	9.259E-07	0.018111287	0.021698	0.029586321	0.031193	0.03000894	1.354099		
1.23930183	0.007578778	8.847E-07	0.016454922	0.022043	0.02764028	0.02925	0.02790289	1.314367		
1.21207005	0.007000557	8.28E-07	0.014963309	0.023887	0.025754284	0.027176	0.02577404	1.285078		
1.86344271	0.018709012	1.288E-06	0.098458999	0.020002	0.100932303	0.071412	0.06888122	2.104077		
1.71713574	0.016704018	1.205E-06	0.066878597	0.019398	0.07510124	0.06405	0.0614994	1.897769		
1.58418913	0.015083267	1.139E-06	0.0484238	0.017269	0.0603194	0.058331	0.05553226	1.728084		
1.50439196	0.013637508	1.082E-06	0.038301323	0.017462	0.050992774	0.051668	0.05020939	1.626246		
1.43299066	0.012202481	1.01E-06	0.030972995	0.018273	0.043513755	0.045877	0.04492603	1.538904		
1.37516874	0.010994449	9.82E-07	0.026303549	0.020081	0.038396169	0.042118	0.04047841	1.472584		
1.32428253	0.009747209	9.32E-07	0.022500249	0.021596	0.034316077	0.037257	0.03588643	1.413814		
1.27923692	0.008819415	8.565E-07	0.020364371	0.020848	0.031841445	0.033802	0.03247055	1.362443		
1.24039695	0.00821932	7.855E-07	0.018629869	0.020747	0.029761534	0.031635	0.03026118	1.319129		
1.69501447	0.01769661	1.037E-06	0.069204289	0.016849	0.075144551	0.068306	0.06515384	1.877062		
1.55819847	0.015078314	9.546E-07	0.048096508	0.016829	0.059306513	0.058052	0.05551403	1.700048		
1.46007643	0.013332095	8.851E-07	0.037522898	0.017449	0.049261319	0.050878	0.04908495	1.579436		
1.38874813	0.01199901	7.956E-07	0.030316567	0.018696	0.042209504	0.045861	0.04417691	1.493654		
1.33099922	0.010684909	7.863E-07	0.02570683	0.020737	0.03744628	0.040907	0.03933877	1.427143		
1.27799579	0.009872676	7.558E-07	0.023538886	0.020067	0.035274825	0.037653	0.03634836	1.368055		
1.66026292	0.017812997	8.564E-07	0.071615123	0.016324	0.074659271	0.069877	0.06558235	1.844969		
1.53629623	0.015588849	8.373E-07	0.049534678	0.01678	0.060145171	0.060321	0.05739367	1.681273		
1.43109246	0.013939619	7.831E-07	0.03921354	0.017367	0.051134519	0.054211	0.05132168	1.555638		
1.35487266	0.012590438	7.355E-07	0.032824704	0.019142	0.045784628	0.048806	0.04635438	1.467667		
1.50256678	0.015348646	8.062E-07	0.046868792	0.016839	0.058107587	0.059675	0.05650931	1.642897		
1.40429872	0.013806723	7.574E-07	0.038013099	0.01779	0.050241722	0.053581	0.0508324	1.5269		
1.68180012	0.022344663	6.131E-07	0.086331856	0.015786	0.097416239	0.089182	0.08226664	1.910594		
1.60689446	0.018763491	6.343E-07	0.06888142	0.016219	0.073749741	0.074361	0.06908179	1.789787		
0.57902226	0.000886935	1.052E-07	0.001501196	0.015871	0.003398928	0.004267	0.00326544	0.601682		
1.12716236	0.001014879	2.214E-07	0.003318259	0.012718	0.006271233	0.008732	0.00373649	1.15548		
0.01452849	0.000160961	4.025E-09	0.000102095	0.000282	0.000354363	0.000595	0.00059261	0.015431		
0.0860028	0.000321509	6.118E-09	0.000384421	0.000538	0.001054229	0.001358	0.0011837	0.088476		
0.26501712	0.007588271	5.697E-08	0.001563853	0.007091	0.005189443	0.029323	0.02793784	0.287834		
0.03584667	0.000170453	5.42E-09	0.000106149	0.001811	0.000304161	0.000638	0.00062756	0.038249		
0.15550592	0.00461875	2.417E-08	0.00096824	0.004407	0.002649845	0.017779	0.01700491	0.168924		
0.53069131	0.003209311	1.519E-07	0.004283182	0.013548	0.084062676	0.012418	0.01181576	0.636397		
0.52740598	0.003164737	1.505E-07	0.004195093	0.013833	0.083106881	0.012255	0.01165165	0.632309		
0.52477771	0.003111496	1.502E-07	0.004131698	0.014145	0.082447373	0.012047	0.01145564	0.629205		
0.52280651	0.003058255	1.502E-07	0.004049138	0.014457	0.081667776	0.011823	0.01125962	0.626602		
0.52061628	0.003031429	1.497E-07	0.004000487	0.014099	0.079746343	0.011704	0.01116085	0.622037		
0.51791501	0.002998824	1.485E-07	0.003979846	0.014056	0.077721555	0.011658	0.01104081	0.617289		
0.51959418	0.002899358	1.465E-07	0.003930826	0.014447	0.078753143	0.01131	0.01067461	0.62026		
0.51915613	0.002840752	1.45E-07	0.003921243	0.014883	0.078860437	0.011023	0.01045883	0.620226		
0.52236846	0.00323944	1.568E-07	0.004321513	0.012629	0.049062482	0.012695	0.01192669	0.592389		
0.51871809	0.003220042	1.548E-07	0.004200253	0.012869	0.04887152	0.012598	0.01185527	0.588622		
0.51521373	0.003196517	1.508E-07	0.00408747	0.013174	0.048266151	0.012456	0.01176866	0.584625		
0.51243944	0.003157721	1.469E-07	0.003985744	0.013423	0.047791698	0.012274	0.01162582	0.581446		
0.51083328	0.003099527	1.441E-07	0.003909449	0.013689	0.047505255	0.012052	0.01141157	0.579677		

1354	493927.33	3860352.55	0.0699	0.07313	0.06087	0.10497	0.04245	0.48803	0.07404	0.0731	0.51032223	0.003018222	1.416E-07	0.003868906	0.013928	0.048038768	0.011723	0.01111223	0.579787
1355	493977.33	3860352.55	0.06995	0.07102	0.06078	0.10324	0.04208	0.49467	0.07233	0.071	0.51068727	0.002931138	1.414E-07	0.003805143	0.013807	0.04869237	0.011452	0.01079161	0.580584
1356	494027.33	3860352.55	0.06972	0.07028	0.06069	0.10146	0.04191	0.49042	0.07141	0.0703	0.50900809	0.002900596	1.412E-07	0.003739537	0.013751	0.048274025	0.011306	0.01067916	0.578301
1357	493677.33	3860402.55	0.07013	0.08288	0.06866	0.11675	0.03727	0.37643	0.08424	0.0829	0.5120014	0.003420624	1.597E-07	0.004303085	0.012229	0.037053528	0.013338	0.01259376	0.569752
1358	493727.33	3860402.55	0.06964	0.08198	0.0678	0.11613	0.03726	0.37023	0.08341	0.082	0.50842403	0.003383479	1.577E-07	0.004280233	0.012226	0.036443237	0.013206	0.012457	0.565506
1359	493777.33	3860402.55	0.06957	0.07879	0.06583	0.11338	0.03746	0.37116	0.08037	0.0788	0.50791298	0.003251821	1.531E-07	0.004178876	0.012291	0.036534781	0.012725	0.01197227	0.564923
1360	493827.33	3860402.55	0.06897	0.07894	0.06495	0.11141	0.03819	0.36583	0.08044	0.0789	0.50353253	0.003258012	1.511E-07	0.004106267	0.012531	0.036010127	0.012736	0.01199507	0.560179
1361	493877.33	3860402.55	0.06858	0.07799	0.06435	0.10877	0.03909	0.3636	0.07962	0.078	0.50068524	0.003218804	1.497E-07	0.004008964	0.012826	0.035790619	0.012606	0.01185071	0.557285
1362	493927.33	3860402.55	0.06857	0.07469	0.06302	0.10563	0.03984	0.36585	0.0763	0.0747	0.50061223	0.003082606	1.466E-07	0.003893232	0.013072	0.036012096	0.012081	0.01134927	0.557404
1363	493977.33	3860402.55	0.06868	0.07192	0.06154	0.10428	0.04055	0.36831	0.07307	0.0719	0.50141532	0.002968283	1.432E-07	0.003843475	0.013305	0.036254244	0.011569	0.01092836	0.558427
1364	494027.33	3860402.55	0.06826	0.0716	0.06008	0.10316	0.04099	0.36595	0.07281	0.0716	0.498349	0.002955075	1.398E-07	0.003802195	0.013449	0.036021939	0.011528	0.01087974	0.555226
1365	493677.33	3860452.55	0.06823	0.08528	0.07004	0.11554	0.03894	0.30718	0.08654	0.0853	0.49812998	0.003519676	1.629E-07	0.004258487	0.012777	0.03023697	0.013702	0.01295844	0.549666
1366	493727.33	3860452.55	0.06753	0.0858	0.06828	0.11352	0.03754	0.30164	0.08696	0.0858	0.49301946	0.003541138	1.588E-07	0.004184036	0.012317	0.029691646	0.013769	0.01303745	0.543485
1367	493777.33	3860452.55	0.06713	0.08476	0.06656	0.11172	0.03647	0.29615	0.08593	0.0848	0.49009916	0.003498215	1.548E-07	0.004117693	0.011966	0.029151243	0.013605	0.01287942	0.539559
1368	493827.33	3860452.55	0.06698	0.08227	0.06524	0.11094	0.03612	0.29237	0.08376	0.0823	0.48900405	0.003395448	1.518E-07	0.004088944	0.011851	0.028779162	0.013262	0.01250106	0.53788
1369	493877.33	3860452.55	0.06676	0.08027	0.06454	0.10956	0.03653	0.29388	0.08195	0.0803	0.48739788	0.003312904	1.501E-07	0.004038081	0.011986	0.028927798	0.012975	0.01219716	0.536441
1370	493927.33	3860452.55	0.06686	0.07613	0.06353	0.10782	0.03741	0.29543	0.07778	0.0761	0.48812796	0.003142038	1.478E-07	0.003973949	0.012275	0.02908037	0.012315	0.01156808	0.537346
1371	493977.33	3860452.55	0.06657	0.07507	0.06214	0.10683	0.03824	0.29687	0.07669	0.0751	0.48601074	0.003098289	1.446E-07	0.003937461	0.012547	0.029222115	0.012142	0.01140701	0.535551
1372	494027.33	3860452.55	0.06627	0.07422	0.06136	0.10497	0.03881	0.29868	0.07575	0.0742	0.48382052	0.003063208	1.427E-07	0.003868906	0.012734	0.029400281	0.011994	0.01127785	0.533603
1373	493677.33	3860502.55	0.06647	0.0876	0.06597	0.10758	0.03861	0.25933	0.08927	0.0876	0.48528067	0.003615428	1.535E-07	0.003965104	0.012668	0.025526901	0.014134	0.01331097	0.53188
1374	493727.33	3860502.55	0.06595	0.08731	0.06632	0.10785	0.03874	0.25408	0.08941	0.0873	0.48148428	0.003603459	1.543E-07	0.003975055	0.012711	0.025010123	0.014156	0.0132669	0.527674
1375	493777.33	3860502.55	0.06562	0.08643	0.06664	0.10767	0.03803	0.25222	0.08841	0.0864	0.47907503	0.003567139	1.55E-07	0.003968421	0.012478	0.024827035	0.013998	0.01313318	0.524781
1376	493827.33	3860502.55	0.06533	0.08547	0.06721	0.10804	0.03675	0.25146	0.08724	0.0855	0.47695781	0.003527518	1.564E-07	0.003982058	0.012058	0.024752225	0.013813	0.01298731	0.522103
1377	493877.33	3860502.55	0.06524	0.0833	0.06609	0.10731	0.03556	0.253	0.08433	0.0833	0.47630075	0.003437958	1.538E-07	0.003955152	0.011668	0.024903814	0.013352	0.01265758	0.52096
1378	493927.33	3860502.55	0.06527	0.07999	0.06522	0.10655	0.03512	0.2538	0.08122	0.08	0.47651977	0.003301348	1.517E-07	0.003927141	0.011523	0.024982561	0.01286	0.01215461	0.520959
1379	493977.33	3860502.55	0.06492	0.07937	0.06361	0.10628	0.03572	0.253	0.08048	0.0794	0.47396451	0.003275759	1.48E-07	0.003917189	0.01172	0.024903814	0.012743	0.0120604	0.518464
1380	494027.33	3860502.55	0.06469	0.07796	0.06219	0.10566	0.03647	0.24793	0.07926	0.078	0.47228534	0.003217565	1.447E-07	0.003894338	0.011966	0.024404753	0.012549	0.01184615	0.516472
1381	493627.33	3860552.55	0.06578	0.09067	0.06273	0.0991	0.03884	0.23273	0.0929	0.0907	0.48024315	0.003742133	1.459E-07	0.003652554	0.012744	0.022908556	0.014709	0.01377746	0.524222
1382	493677.33	3860552.55	0.06524	0.09077	0.06272	0.09803	0.03899	0.22878	0.09286	0.0908	0.47630075	0.00374626	1.459E-07	0.003613117	0.012793	0.022519741	0.014703	0.01379265	0.519883
1383	493727.33	3860552.55	0.06477	0.09052	0.06267	0.09766	0.03841	0.22341	0.09254	0.0905	0.4728694	0.003735942	1.458E-07	0.00359948	0.012603	0.02199115	0.014652	0.01375467	0.515696
1384	493777.33	3860552.55	0.06452	0.08897	0.06227	0.09823	0.03776	0.21909	0.09111	0.089	0.47104421	0.00367197	1.449E-07	0.003620488	0.01239	0.021565915	0.014426	0.01351914	0.513199
1385	493827.33	3860552.55	0.06443	0.08679	0.0623	0.09958	0.03781	0.21798	0.08863	0.0868	0.47038714	0.003581997	1.449E-07	0.003670246	0.012406	0.021456654	0.014033	0.01318789	0.512347
1386	493877.33	3860552.55	0.06408	0.08625	0.06258	0.10012	0.03723	0.21716	0.08786	0.0863	0.46783188	0.00355971	1.456E-07	0.003690148	0.012216	0.021375938	0.013911	0.01310583	0.509479
1387	493927.33	3860552.55	0.06399	0.08457	0.06301	0.10034	0.03607	0.21387	0.0858	0.0846	0.46717481	0.003490373	1.466E-07	0.003698257	0.011835	0.02105209	0.013585	0.01285055	0.507985
1388	493977.33	3860552.55	0.06395	0.08259	0.06419	0.10189	0.03473	0.21568	0.08325	0.0826	0.46688278	0.003408655	1.493E-07	0.003755386	0.011395	0.021230255	0.013181	0.01254969	0.507304
1389	494027.33	3860552.55	0.06365	0.08184	0.06418	0.10172	0.034	0.2179	0.08245	0.0818	0.46469256	0.003377701	1.493E-07	0.00374912	0.011156	0.021448779	0.013054	0.01243573	0.505043
1390	493627.33	3860602.55	0.06466	0.09515	0.05882	0.09326	0.03506	0.20674	0.09566	0.0952	0.47206631	0.003927031	1.368E-07	0.003437308	0.011504	0.020350255	0.015146	0.0144582	0.511973
1391	493727.33	3860602.55	0.06358	0.09585	0.05909	0.09426	0.03764	0.20065	0.09627	0.0959	0.46418151	0.003955922	1.375E-07	0.003474165	0.01235	0.019750791	0.015243	0.01456457	0.504391
1392	493777.33	3860602.55	0.06353	0.09288	0.05938	0.09315	0.03818	0.199	0.09347	0.0929	0.46381647	0.003833344	1.381E-07	0.003433253	0.012527	0.019588375	0.014799	0.01411327	0.503885
1393	493827.33	3860602.55	0.06326	0.09124	0.05944	0.09218	0.03767	0.19642	0.09205	0.0912	0.46184527	0.003765658	1.383E-07	0.003397502	0.01236	0.019334415	0.014574	0.01386407	0.501413
1394	493877.33	3860602.55	0.06318	0.08833	0.05944	0.09166	0.03709	0.19673	0.08938	0.0883	0.46126121	0.003645556	1.383E-07	0.003378336	0.01217	0.01936493	0.014152	0.01342189	0.50055
1395	493927.33	3860602.55	0.06299	0.08677	0.05936	0.09097	0.03692	0.1965	0.0879	0.0868	0.45987407	0.003581172	1.381E-07	0.003352905	0.012114	0.01934229	0.013917	0.01318485	0.498997
1396	493977.33	3860602.55	0.06285	0.08493	0.05917	0.09171	0.03654	0.19509	0.08602	0.0849	0.45885196	0.003505231	1.377E-07	0.003380179	0.011989	0.019203498	0.01362	0.01290526	0.497645
1397	494027.33	3860602.55	0.0625	0.08474	0.05951	0.09251	0.03533	0.19731	0.08564	0.0847	0.4562967	0.00349739	1.384E-07	0.003409665	0.011592	0.019422022	0.01356	0.01287639	0.494901
1398	493627.33	3860652.55	0.06341	0.09933	0.05465	0.09321	0.03237	0.19146	0.09977	0.0993	0.46294038	0.004099548	1.271E-07	0.003435465	0.010621	0.018846183	0.015797	0.01509336	0.500646
1399	493727.33	3860652.55	0.0625	0.09848	0.05389	0.08922	0.03397	0.18464	0.09817	0.0985	0.4562967	0.004064467	1.254E-07	0.003288404	0.011146	0.018174862	0.015543	0.0149642	0.49355
1400	493777.33	3860652.55	0.0624	0.09719	0.05465	0.08751	0.03522	0.18394	0.09638	0.0972	0.45556662	0.004011226	1.271E-07	0.003225378	0.011556	0.018105959	0.01526	0.01476818	0.492957
1401	493827.33	3860652.55	0.0623	0.0956	0.05572	0.08708	0.03689	0.18091	0.09471	0.0956	0.45483655	0.003945604	1.296E-07	0.00320953	0.012104	0.017807703	0.014996	0.01452658	0.492373
1402	493877.33	3860652.55	0.06228	0.09281	0.05597	0.08822	0.03741	0.1804	0.09227	0.0928	0.45469053	0.003830455	1.302E-07	0.003251547	0.012275	0.017757502	0.014609	0.01410264	0.492312
1403	493927.33	3860652.55	0.0621	0.09107	0.05616	0.08854	0.03701	0.18103	0.09066	0.0911	0.4533764	0.003758641	1.307E-07	0.003263341	0.012143	0.017819515	0.014354	0.01383824	0.490878
1404	493977.33	3860652.55	0.0619	0.08936	0.05647	0.08758	0.03641	0.18077	0.08938	0.0894	0.45191625	0.003688066	1.314E-07	0.003227958	0.011947	0.017793923	0.014152	0.0135784	0.489146
1405	494027.33	3860652.55	0.06185	0.08643	0.05659	0.08669	0.0361	0.18066	0.08719	0.0864	0.45155121	0.003567139	1.317E-07	0.003195156	0.011845	0.017783095	0.013805	0.01313318	0.488613
1406	494311.06	3858401.99	0.06336	0.01669	0.03933	0.04771	0.09762	0.04567	0.01774	0.0167	0.46257534	0.00068883	9.15E-08	0.00175846	0.03203	0.004495483	0.002809	0.00253607	0.501821
1407	494361.06	3858401.99	0.06177	0.01651	0.03875	0.04685	0.09635	0.04544	0.01742	0.0165	0.45096715	0.000681401	9.015E-08	0.001726762	0.031614	0.004472843	0.002758	0.00250872	0.489711
1408	494411.06	3858401.99	0.06087	0.01643	0.0384	0.04627	0.09562	0.04548	0.01725	0.0164	0.44439648	0.000678099	8.933E-08	0.001705385	0.031374	0.00447678	0.002731	0.00249657	0.482866
1409	494461.06	3858401.99	0.06062	0.01643	0.03816	0.04599	0.09548	0.04545	0.01723	0.0164	0.44257129	0.000678099	8.878E-08	0.001695065	0.031328	0.004473827	0.002728	0.00249657	0.480978
1410	494511.06	3858401.99	0.05935	0.01631	0.03776	0.04545	0.09308	0.04524	0.0171	0.0163	0.43329935	0.000673146	8.784E-08	0.001675162	0.030541	0.004453156	0.002707	0.00247833	0.470871
1411	494561.06	3858401.99	0.05882	0.01623	0.0376	0.04523	0.09142	0.04542	0.01708	0.0162	0.42942995	0.000669845	8.747E-08	0.001667054	0.029996	0.004470874	0.002704	0.00246618	0.466472
1412	494611.06	3858401.99	0.05787	0.01615	0.03732	0.0446	0.08958	0.04563	0.01683	0.0162	0.42249424	0.000666543	8.682E-08	0.001643834	0.029392	0.004491546	0.002665	0.00245402	0.458899

1413	494661.06	3858401.99	0.05717	0.01607	0.03679	0.04415	0.0885	0.04587	0.01641	0.0161	0.41738372	0.000663241	8.559E-08	0.001627248	0.029038	0.00451517	0.002598	0.00244186	0.453384
1414	494711.06	3858401.99	0.05573	0.01593	0.03594	0.04343	0.08705	0.04586	0.01614	0.0159	0.40687064	0.000657463	8.361E-08	0.001600711	0.028562	0.004514185	0.002555	0.00242059	0.44234
1415	494761.06	3858401.99	0.05509	0.01582	0.03577	0.04305	0.08649	0.04646	0.01607	0.0158	0.40219816	0.000652923	8.321E-08	0.001586705	0.028379	0.004573246	0.002544	0.00240388	0.43753
1416	494811.06	3858401.99	0.05393	0.01578	0.03557	0.04246	0.08438	0.04656	0.01602	0.0158	0.3937293	0.000651272	8.275E-08	0.001564959	0.027686	0.004583089	0.002536	0.0023978	0.428354
1417	494861.06	3858401.99	0.05306	0.01572	0.03541	0.04169	0.08309	0.04661	0.01599	0.0157	0.38737765	0.000648796	8.238E-08	0.001536579	0.027263	0.004588011	0.002532	0.00238868	0.421557
1418	494911.06	3858401.99	0.05235	0.01569	0.03494	0.04072	0.08183	0.04682	0.01591	0.0157	0.38219412	0.000647558	8.128E-08	0.001500827	0.02685	0.004608682	0.002519	0.00238412	0.415936
1419	494961.06	3858401.99	0.05168	0.01559	0.03432	0.04019	0.08131	0.04692	0.01585	0.0156	0.37730261	0.000643431	7.984E-08	0.001481293	0.026679	0.004618525	0.00251	0.00236893	0.410865
1420	495011.06	3858401.99	0.05076	0.0155	0.03369	0.03942	0.08039	0.04691	0.01571	0.0155	0.37058593	0.000639716	7.838E-08	0.001452913	0.026377	0.004617541	0.002487	0.00235525	0.403805
1421	495061.06	3858401.99	0.05008	0.01542	0.03355	0.03896	0.0801	0.04699	0.01557	0.0154	0.36562142	0.000636414	7.805E-08	0.001435959	0.026282	0.004625416	0.002465	0.00234309	0.398723
1422	495111.06	3858401.99	0.04876	0.01507	0.03291	0.03803	0.07731	0.04622	0.01516	0.0151	0.35598443	0.000621969	7.656E-08	0.001401681	0.025366	0.004549622	0.0024	0.00228991	0.388035
1423	495161.06	3858401.99	0.04862	0.01504	0.03257	0.03787	0.0776	0.04676	0.01511	0.015	0.35496233	0.000620731	7.577E-08	0.001395784	0.025462	0.004602776	0.002392	0.00228535	0.38715
1424	495211.06	3858401.99	0.04761	0.01491	0.03207	0.03717	0.07525	0.04703	0.01487	0.0149	0.34758857	0.000615366	7.461E-08	0.001369984	0.024691	0.004629353	0.002354	0.0022656	0.378983
1425	495261.06	3858401.99	0.04706	0.01484	0.03191	0.03677	0.0745	0.04856	0.01479	0.0148	0.34357316	0.000612477	7.424E-08	0.001355241	0.024444	0.004779957	0.002342	0.00225496	0.374852
1426	495311.06	3858401.99	0.04651	0.01456	0.03174	0.03643	0.07408	0.04828	0.01469	0.0146	0.33955775	0.00060092	7.384E-08	0.00134271	0.024307	0.004752396	0.002326	0.00221242	0.370674
1427	495361.06	3858401.99	0.04608	0.01439	0.03163	0.03622	0.07402	0.05118	0.01458	0.0144	0.33641843	0.000593904	7.358E-08	0.00133497	0.024287	0.005037855	0.002308	0.00218658	0.367794
1428	495411.06	3858401.99	0.04578	0.01436	0.03164	0.03609	0.07411	0.05419	0.01451	0.0144	0.33422821	0.000592666	7.361E-08	0.001330178	0.024316	0.005334141	0.002297	0.00218203	0.365917
1429	495461.06	3858401.99	0.04562	0.01433	0.03151	0.03605	0.07406	0.0574	0.01455	0.0143	0.33306009	0.000591428	7.33E-08	0.001328704	0.0243	0.005650114	0.002304	0.00217747	0.365057
1430	495511.06	3858401.99	0.04534	0.01427	0.03141	0.03591	0.0737	0.06024	0.01457	0.0143	0.33101588	0.000588951	7.307E-08	0.001323544	0.024182	0.005929667	0.002307	0.00216835	0.363179
1431	495561.06	3858401.99	0.04471	0.01413	0.03097	0.03565	0.07244	0.0632	0.01436	0.0141	0.32641641	0.000583173	7.205E-08	0.001313961	0.023769	0.006221032	0.002274	0.00214708	0.35843
1432	495611.06	3858401.99	0.04455	0.01409	0.0309	0.03553	0.07231	0.06674	0.01434	0.0141	0.32524829	0.000581523	7.189E-08	0.001309538	0.023726	0.006569488	0.00227	0.002141	0.357564
1433	495661.06	3858401.99	0.04484	0.01419	0.03104	0.03567	0.07399	0.071	0.0145	0.0142	0.3273655	0.00058565	7.221E-08	0.001314698	0.024277	0.006988817	0.002296	0.00215619	0.360671
1434	494311.06	3858451.99	0.06546	0.01714	0.04092	0.04766	0.10229	0.04812	0.01842	0.0171	0.47790691	0.000707402	9.52E-08	0.001756617	0.033563	0.004736646	0.002916	0.00260445	0.518982
1435	494361.06	3858451.99	0.06466	0.01701	0.04049	0.04682	0.09954	0.04798	0.01824	0.017	0.47206631	0.000702037	9.42E-08	0.001725657	0.03266	0.004722866	0.002888	0.0025847	0.512181
1436	494411.06	3858451.99	0.064	0.01689	0.04006	0.04624	0.09838	0.0474	0.01811	0.0169	0.46724782	0.000697084	9.32E-08	0.00170428	0.03228	0.004665774	0.002867	0.00256646	0.506896
1437	494461.06	3858451.99	0.06343	0.01668	0.03952	0.04575	0.09775	0.04747	0.01796	0.0167	0.46308639	0.000688417	9.194E-08	0.001686219	0.032073	0.004672664	0.002844	0.00253455	0.502516
1438	494511.06	3858451.99	0.06313	0.01666	0.03909	0.04519	0.09704	0.04755	0.01787	0.0167	0.46089617	0.000687592	9.094E-08	0.001665579	0.03184	0.004680539	0.002829	0.00253152	0.500068
1439	494561.06	3858451.99	0.06222	0.01658	0.03857	0.04454	0.09444	0.04732	0.01768	0.0166	0.45425249	0.00068429	8.973E-08	0.001641622	0.030987	0.004657899	0.002799	0.00251936	0.492503
1440	494611.06	3858451.99	0.06154	0.01645	0.03838	0.04414	0.09303	0.04744	0.01756	0.0165	0.44928798	0.000678924	8.929E-08	0.001626879	0.030524	0.004669711	0.00278	0.00249961	0.487069
1441	494661.06	3858451.99	0.06051	0.01635	0.03821	0.04369	0.09218	0.0481	0.01741	0.0164	0.44176821	0.000674797	8.889E-08	0.001610294	0.030246	0.004734678	0.002757	0.00248441	0.479306
1442	494711.06	3858451.99	0.05898	0.01626	0.03783	0.04313	0.09142	0.04829	0.01715	0.0163	0.43059807	0.000671083	8.801E-08	0.001589653	0.029996	0.00475338	0.002715	0.00247073	0.467853
1443	494761.06	3858451.99	0.05785	0.01617	0.03764	0.04259	0.08971	0.04846	0.01681	0.0162	0.42234822	0.000667368	8.757E-08	0.001569751	0.029435	0.004770114	0.002662	0.00245706	0.458995
1444	494811.06	3858451.99	0.05685	0.01609	0.03714	0.04209	0.08751	0.04801	0.01655	0.0161	0.41504748	0.000664067	8.64E-08	0.001551322	0.028713	0.004725819	0.00262	0.0024449	0.450877
1445	494861.06	3858451.99	0.0556	0.016	0.03607	0.0416	0.08552	0.04816	0.01626	0.016	0.40592154	0.000660352	8.391E-08	0.001533262	0.02806	0.004740584	0.002574	0.00243123	0.441059
1446	494911.06	3858451.99	0.05438	0.01586	0.03569	0.0407	0.08396	0.04829	0.0161	0.0159	0.39701463	0.000654574	8.303E-08	0.00150009	0.027548	0.00475338	0.002549	0.00240995	0.43161
1447	494961.06	3858451.99	0.05322	0.01578	0.03534	0.04039	0.08291	0.04851	0.01606	0.0158	0.38854577	0.000651272	8.221E-08	0.001488665	0.027204	0.004775036	0.002543	0.0023978	0.42281
1448	495011.06	3858451.99	0.05184	0.01571	0.03477	0.03956	0.08109	0.04793	0.01594	0.0157	0.37847073	0.000648383	8.089E-08	0.001458073	0.026607	0.004717944	0.002524	0.00238716	0.412039
1449	495061.06	3858451.99	0.05144	0.01565	0.03459	0.03929	0.07947	0.04804	0.01591	0.0157	0.37555044	0.000645907	8.047E-08	0.001448122	0.026075	0.004728772	0.002519	0.00237804	0.40859
1450	495111.06	3858451.99	0.05062	0.01554	0.03441	0.03867	0.07759	0.04799	0.0158	0.0155	0.36956382	0.000641367	8.005E-08	0.00142527	0.025458	0.00472385	0.002502	0.00236133	0.401953
1451	495161.06	3858451.99	0.04935	0.01538	0.03434	0.0382	0.0757	0.0483	0.01553	0.0154	0.36029187	0.000634763	7.989E-08	0.001407947	0.024838	0.004754364	0.002459	0.00233702	0.392049
1452	495211.06	3858451.99	0.04851	0.01511	0.03421	0.03779	0.07462	0.04934	0.01529	0.0151	0.35415925	0.00062362	7.959E-08	0.001392836	0.024484	0.004856736	0.002421	0.00229599	0.385641
1453	495261.06	3858451.99	0.048	0.01504	0.03413	0.03737	0.07405	0.05055	0.01511	0.015	0.35043586	0.000620731	7.94E-08	0.001377356	0.024297	0.004975841	0.002392	0.00228535	0.381814
1454	495311.06	3858451.99	0.04758	0.01498	0.0335	0.03703	0.07308	0.05278	0.01505	0.015	0.34736955	0.000618255	7.793E-08	0.001364824	0.023979	0.005195349	0.002383	0.00227624	0.378633
1455	495361.06	3858451.99	0.04724	0.01493	0.03307	0.03675	0.07258	0.05531	0.015	0.0149	0.3448873	0.000616191	7.693E-08	0.001354504	0.023814	0.005444387	0.002375	0.00226864	0.376223
1456	495411.06	3858451.99	0.04713	0.0149	0.03267	0.03661	0.07278	0.05796	0.01496	0.0149	0.34408421	0.000614953	7.6E-08	0.001349344	0.02388	0.005705237	0.002369	0.00226408	0.375738
1457	495461.06	3858451.99	0.04706	0.01487	0.03239	0.03651	0.07339	0.06132	0.01495	0.0149	0.34357316	0.000613715	7.535E-08	0.001345658	0.02408	0.006035976	0.002367	0.00225952	0.375756
1458	495511.06	3858451.99	0.04665	0.01479	0.03223	0.0362	0.07284	0.06456	0.01485	0.0148	0.34057986	0.000610413	7.498E-08	0.001334233	0.0239	0.006354902	0.002351	0.00224737	0.372883
1459	495561.06	3858451.99	0.04669	0.01476	0.0322	0.03622	0.07321	0.06874	0.01495	0.0148	0.34087189	0.000609175	7.491E-08	0.00133497	0.024021	0.006766356	0.002367	0.00224281	0.373728
1460	495611.06	3858451.99	0.04622	0.01467	0.03181	0.03585	0.07253	0.07215	0.01478	0.0147	0.33744053	0.00060546	7.4E-08	0.001321333	0.023798	0.007102016	0.00234	0.00222913	0.370379
1461	495661.06	3858451.99	0.04612	0.01464	0.03166	0.03581	0.07315	0.07562	0.01475	0.0146	0.33671046	0.000604222	7.365E-08	0.001319858	0.024002	0.007443583	0.002335	0.00222457	0.370191
1462	494311.06	3858501.99	0.06722	0.01754	0.04215	0.04869	0.10283	0.05013	0.01902	0.0175	0.49075623	0.000723911	9.806E-08	0.00179458	0.03374	0.004934499	0.003011	0.00266523	0.532295
1463	494361.06	3858501.99	0.06639	0.0175	0.0419	0.04815	0.1027	0.05042	0.01881	0.0175	0.48469661	0.00072226	9.748E-08	0.001774677	0.033697	0.004963045	0.002978	0.00265915	0.526173
1464	494411.06	3858501.99	0.06544	0.01737	0.04205	0.04752	0.10179	0.05051	0.01853	0.0174	0.4777609	0.000716895	9.782E-08	0.001751457	0.033399	0.004971904	0.002934	0.0026394	0.518894
1465	494461.06	3858501.99	0.06495	0.01733	0.04218	0.04715	0.10078	0.05065	0.01844	0.0173	0.47418353	0.000715244	9.813E-08	0.00173782	0.033067	0.004985684	0.00292	0.00263332	0.514976
1466	494511.06	3858501.99	0.06397	0.01702	0.04182	0.04615	0.09857	0.04959	0.01826	0.017	0.4670288	0.00070245	9.729E-08	0.001700962	0.032342	0.004881344	0.002891	0.00258622	0.506961
1467	494561.06	3858501.99	0.06416	0.01692	0.04177	0.04606	0.09983	0.0502	0.0184	0.0169	0.46841594	0.000698322	9.717E-08	0.001697645	0.032756	0.004941389	0.002913	0.00257102	0.508851
1468	494611.06	3858501.99	0.06345	0.01678	0.04038	0.04522	0.09747	0.05	0.0182	0.0168	0.46323241	0.000692544	9.394E-08	0.001666685	0.031981	0.004921702	0.002882	0.00254975	0.502827
1469	494661.06	3858501.99	0.06304	0.01671	0.03982	0.04485	0.09632	0.05083	0.01814	0.0167	0.4602391	0.000689655	9.264E-08	0.001653048	0.031604	0.005003403	0.002872	0.00253911	0.499522
1470	494711.06	3858501.99	0.06213	0.01655	0.03892	0.04394	0.09436	0.05132	0.0179	0.0166	0.45359542	0.000683052	9.054E-08	0.001619508	0.030961	0.005051635	0.002834	0.0025148	0.49223
1471	494761.06	3858501.99	0.06091	0.01641	0.0385	0.04332	0.0925	0.05072	0.01756	0.0164	0.44468851	0.000677274	8.957E-08	0.001596656	0.03035	0.004992575	0.00278	0.00249353	0.482592

1472	494811.06	3858501.99	0.05942	0.01632	0.03848	0.04278	0.08968	0.05058	0.01729	0.0163	0.4338104	0.000673559	8.952E-08	0.001576753	0.029425	0.004978794	0.002738	0.00247985	0.470723
1473	494861.06	3858501.99	0.05832	0.01626	0.03846	0.04228	0.08839	0.05066	0.0171	0.0163	0.42577958	0.000671083	8.947E-08	0.001558325	0.029002	0.004986669	0.002707	0.00247073	0.462234
1474	494911.06	3858501.99	0.05631	0.01613	0.03802	0.04146	0.08686	0.05095	0.01651	0.0161	0.41110507	0.000665717	8.845E-08	0.001528102	0.0285	0.005015215	0.002614	0.00245098	0.446977
1475	494961.06	3858501.99	0.05527	0.01602	0.03775	0.04103	0.08636	0.0507	0.01637	0.016	0.4035123	0.000661178	8.782E-08	0.001512253	0.028336	0.004990606	0.002592	0.00243427	0.43917
1476	495011.06	3858501.99	0.0536	0.0159	0.03736	0.04037	0.08357	0.04998	0.0162	0.0159	0.39132005	0.000656225	8.691E-08	0.001487927	0.02742	0.004919734	0.002565	0.00241603	0.425953
1477	495061.06	3858501.99	0.05322	0.01587	0.03685	0.04006	0.08215	0.05018	0.0162	0.0159	0.38854577	0.000654987	8.573E-08	0.001476502	0.026955	0.00493942	0.002565	0.00241147	0.422725
1478	495111.06	3858501.99	0.05178	0.01575	0.03612	0.03919	0.0793	0.05013	0.01597	0.0158	0.37803269	0.000650034	8.403E-08	0.001444436	0.026019	0.004934499	0.002529	0.00239324	0.411216
1479	495161.06	3858501.99	0.05072	0.01561	0.03569	0.03871	0.07815	0.05123	0.01582	0.0156	0.3702939	0.000644256	8.303E-08	0.001426744	0.025642	0.005042776	0.002505	0.00237197	0.403183
1480	495211.06	3858501.99	0.0498	0.01552	0.0351	0.0383	0.07727	0.05189	0.01571	0.0155	0.36357721	0.000640542	8.166E-08	0.001411633	0.025353	0.005107743	0.002487	0.00235829	0.39622
1481	495261.06	3858501.99	0.04908	0.01542	0.03458	0.03794	0.07554	0.05404	0.01559	0.0154	0.35832067	0.000636414	8.045E-08	0.001398364	0.024786	0.005319376	0.002468	0.00234309	0.390586
1482	495311.06	3858501.99	0.04871	0.01537	0.03426	0.03769	0.07448	0.0572	0.01555	0.0154	0.3556194	0.000634351	7.97E-08	0.00138915	0.024438	0.005630427	0.002462	0.0023355	0.387838
1483	495361.06	3858501.99	0.04841	0.01527	0.03411	0.03747	0.07413	0.06052	0.01545	0.0153	0.35342917	0.000630223	7.935E-08	0.001381041	0.024323	0.005957229	0.002446	0.0023203	0.385847
1484	495411.06	3858501.99	0.0483	0.01524	0.03393	0.03728	0.07352	0.06287	0.01539	0.0152	0.35262609	0.000628985	7.893E-08	0.001374039	0.024123	0.006188549	0.002437	0.00231574	0.385062
1485	495461.06	3858501.99	0.04821	0.01518	0.03376	0.03709	0.07316	0.06573	0.01539	0.0152	0.35196902	0.000626509	7.854E-08	0.001367036	0.024005	0.00647007	0.002437	0.00230663	0.384568
1486	495511.06	3858501.99	0.04799	0.01506	0.03357	0.03686	0.07268	0.07024	0.01531	0.0151	0.35036286	0.000621556	7.81E-08	0.001358558	0.023847	0.006914007	0.002424	0.00228839	0.38324
1487	495561.06	3858501.99	0.04818	0.01512	0.03357	0.03685	0.07262	0.07483	0.0154	0.0151	0.35175	0.000624033	7.81E-08	0.00135819	0.023828	0.00736582	0.002438	0.00229751	0.385067
1488	495611.06	3858501.99	0.04767	0.01507	0.03314	0.03665	0.07126	0.07939	0.01528	0.0151	0.34802662	0.000621969	7.71E-08	0.001350818	0.023381	0.007814679	0.002419	0.00228991	0.381325
1489	495661.06	3858501.99	0.04778	0.01492	0.03351	0.03658	0.07279	0.08308	0.01523	0.0149	0.3488297	0.000615778	7.796E-08	0.001348238	0.023883	0.008177901	0.002411	0.00226712	0.382999
1490	494311.06	3858551.99	0.06757	0.01748	0.04306	0.04797	0.09607	0.05168	0.0189	0.0175	0.49331149	0.000721435	1.002E-07	0.001768043	0.031522	0.005087072	0.002992	0.00265612	0.532746
1491	494361.06	3858551.99	0.0684	0.01759	0.04291	0.04806	0.09642	0.05248	0.01909	0.0176	0.49937111	0.000725975	9.983E-08	0.00177136	0.031637	0.005165819	0.003023	0.00267283	0.539021
1492	494411.06	3858551.99	0.06881	0.01784	0.04386	0.04865	0.09719	0.05357	0.01939	0.0178	0.50236441	0.000736293	1.02E-07	0.001793106	0.031889	0.005273112	0.00307	0.00271082	0.542416
1493	494461.06	3858551.99	0.06855	0.01792	0.04292	0.04851	0.09797	0.05368	0.01933	0.0179	0.50046622	0.000739594	9.985E-08	0.001787945	0.032145	0.00528394	0.003061	0.00272297	0.540761
1494	494511.06	3858551.99	0.06776	0.01786	0.04232	0.04808	0.0984	0.05373	0.01913	0.0179	0.49469863	0.000737118	9.845E-08	0.001772097	0.032286	0.005288861	0.003029	0.00271386	0.535098
1495	494561.06	3858551.99	0.06712	0.01774	0.04229	0.04775	0.09895	0.05433	0.01893	0.0177	0.49002615	0.000732165	9.838E-08	0.001759934	0.032467	0.005347922	0.002997	0.00269562	0.530635
1496	494611.06	3858551.99	0.06631	0.01758	0.04206	0.04727	0.0989	0.05474	0.01881	0.0176	0.48411255	0.000725562	9.785E-08	0.001742242	0.03245	0.00538828	0.002978	0.00267131	0.524726
1497	494661.06	3858551.99	0.06561	0.01747	0.04212	0.04678	0.09876	0.05557	0.01871	0.0175	0.47900202	0.000721022	9.799E-08	0.001724182	0.032404	0.00546998	0.002962	0.0026546	0.51963
1498	494711.06	3858551.99	0.06426	0.01729	0.04194	0.0455	0.0976	0.05488	0.0185	0.0173	0.46914601	0.000713593	9.757E-08	0.001677005	0.032024	0.00540206	0.002929	0.00262724	0.509265
1499	494761.06	3858551.99	0.06301	0.01684	0.0415	0.04478	0.09587	0.05335	0.01825	0.0168	0.46002008	0.000695021	9.655E-08	0.001650468	0.031456	0.005251456	0.00289	0.00255887	0.499404
1500	494811.06	3858551.99	0.06212	0.01671	0.04067	0.04419	0.09445	0.05415	0.01808	0.0167	0.45352242	0.000689655	9.461E-08	0.001628722	0.03099	0.005330204	0.002863	0.00253911	0.492485
1501	494861.06	3858551.99	0.06092	0.01654	0.03976	0.04314	0.09189	0.05361	0.0178	0.0165	0.44476152	0.000682639	9.25E-08	0.001590022	0.03015	0.005277049	0.002818	0.00251328	0.482767
1502	494911.06	3858551.99	0.05945	0.0164	0.03922	0.04233	0.08984	0.05296	0.01747	0.0164	0.43402942	0.000676861	9.124E-08	0.001560168	0.029478	0.005213067	0.002766	0.00249201	0.471231
1503	494961.06	3858551.99	0.05784	0.0163	0.03876	0.04187	0.08865	0.05331	0.01714	0.0163	0.42227522	0.000672734	9.017E-08	0.001543213	0.029087	0.005247519	0.002714	0.00247681	0.459063
1504	495011.06	3858551.99	0.05599	0.01618	0.03822	0.04135	0.08627	0.05277	0.01663	0.0162	0.40876883	0.000667781	8.891E-08	0.001524048	0.028306	0.005194365	0.002633	0.00245858	0.444636
1505	495061.06	3858551.99	0.05495	0.01603	0.03712	0.04096	0.08458	0.05279	0.01648	0.016	0.40117606	0.00066159	8.636E-08	0.001509673	0.027752	0.005196333	0.002609	0.00243579	0.436469
1506	495111.06	3858551.99	0.05317	0.01586	0.03656	0.04021	0.08254	0.0524	0.01622	0.0159	0.38818073	0.000654574	8.505E-08	0.00148203	0.027082	0.005157944	0.002568	0.00240995	0.422716
1507	495161.06	3858551.99	0.05229	0.0158	0.03631	0.03958	0.08171	0.0536	0.01604	0.0158	0.38175607	0.000652098	8.447E-08	0.00145881	0.02681	0.005276065	0.00254	0.00240084	0.416092
1508	495211.06	3858551.99	0.05163	0.01573	0.0361	0.03881	0.07988	0.05667	0.01595	0.0157	0.37693758	0.000649209	8.398E-08	0.0014304	0.02621	0.005578257	0.002525	0.0023902	0.41094
1509	495261.06	3858551.99	0.05117	0.01567	0.03598	0.03842	0.07773	0.05939	0.01586	0.0157	0.37357923	0.000646732	8.37E-08	0.001416056	0.025504	0.005845998	0.002511	0.00238108	0.407122
1510	495311.06	3858551.99	0.05084	0.01562	0.03591	0.03831	0.07649	0.06187	0.01584	0.0156	0.37116999	0.000644669	8.354E-08	0.001412001	0.025097	0.006090114	0.002508	0.00237349	0.404549
1511	495361.06	3858551.99	0.05049	0.0156	0.03591	0.03812	0.07571	0.0647	0.01581	0.0156	0.36861473	0.000643843	8.354E-08	0.001404999	0.024841	0.006368683	0.002503	0.00237045	0.402007
1512	495411.06	3858551.99	0.05043	0.01557	0.03594	0.03806	0.07581	0.06757	0.01582	0.0156	0.36817668	0.000642605	8.361E-08	0.001402787	0.024874	0.006651189	0.002505	0.00236589	0.401887
1513	495461.06	3858551.99	0.05018	0.01552	0.03578	0.03787	0.07585	0.07398	0.01579	0.0155	0.36635149	0.000640542	8.324E-08	0.001395784	0.024887	0.007282151	0.0025	0.00235829	0.400699
1514	495511.06	3858551.99	0.05014	0.01547	0.03556	0.03769	0.07605	0.07812	0.01583	0.0155	0.36605946	0.000638478	8.273E-08	0.00138915	0.024953	0.007689668	0.002506	0.00235069	0.400886
1515	495561.06	3858551.99	0.04992	0.0154	0.03526	0.03745	0.07475	0.08296	0.0158	0.0154	0.3644533	0.000635589	8.203E-08	0.001380304	0.024526	0.008166089	0.002502	0.00234006	0.399323
1516	495611.06	3858551.99	0.04962	0.01532	0.03482	0.0372	0.07386	0.08573	0.01576	0.0153	0.36226308	0.000632287	8.1E-08	0.00137109	0.024234	0.008438751	0.002495	0.0023279	0.397107
1517	495661.06	3858551.99	0.04918	0.01526	0.03474	0.03696	0.07316	0.08818	0.01576	0.0153	0.35905075	0.000629811	8.082E-08	0.001362244	0.024005	0.008679914	0.002495	0.00231878	0.393904
1518	494311.06	3858601.99	0.06385	0.01722	0.04272	0.04718	0.09123	0.05191	0.01833	0.0172	0.46615271	0.000710704	9.938E-08	0.001738925	0.029934	0.005109711	0.002902	0.00261661	0.503932
1519	494361.06	3858601.99	0.06939	0.01776	0.04365	0.04895	0.09387	0.05538	0.01917	0.0178	0.50659885	0.000732991	1.015E-07	0.001804163	0.0308	0.005451278	0.003035	0.00269866	0.545724
1520	494411.06	3858601.99	0.07278	0.01835	0.045	0.05087	0.09625	0.05659	0.01991	0.0184	0.53134838	0.000757341	1.047E-07	0.001874929	0.031581	0.005570383	0.003152	0.00278831	0.571496
1521	494461.06	3858601.99	0.0724	0.01832	0.04482	0.05033	0.09542	0.05721	0.0198	0.0183	0.5285741	0.000756103	1.043E-07	0.001855026	0.031309	0.005631412	0.003135	0.00278375	0.568477
1522	494511.06	3858601.99	0.07139	0.01809	0.04477	0.04895	0.09475	0.05753	0.01969	0.0181	0.52120034	0.000746611	1.042E-07	0.001804163	0.031089	0.005662911	0.003118	0.00274881	0.560872
1523	494561.06	3858601.99	0.07112	0.01828	0.04472	0.04861	0.09473	0.05747	0.01975	0.0183	0.51922914	0.000754452	1.04E-07	0.001791631	0.031082	0.005657005	0.003127	0.00277768	0.558864
1524	494611.06	3858601.99	0.06977	0.01812	0.04428	0.04788	0.09426	0.05742	0.01951	0.0181	0.50937313	0.000747849	1.03E-07	0.001764725	0.030928	0.005652083	0.003089	0.00275336	0.548802
1525	494661.06	3858601.99	0.06878	0.01806	0.0441	0.04751	0.09393	0.05863	0.01935	0.0181	0.50214539	0.000745372	1.026E-07	0.001751088	0.03082	0.005771188	0.003064	0.00274425	0.541552
1526	494711.06	3858601.99	0.06725	0.01785	0.04354	0.04683	0.09355	0.05892	0.01912	0.0179	0.49097525	0.000736705	1.013E-07	0.001726025	0.030695	0.005799734	0.003027	0.00271234	0.530248
1527	494761.06	3858601.99	0.06598	0.01758	0.04263	0.04609	0.09325	0.05928	0.01889	0.0176	0.4817033	0.000725562	9.917E-08	0.001698751	0.030597	0.00583517	0.002991	0.00267131	0.520879
1528	494811.06	3858601.99	0.06396	0.01731	0.04189	0.04479	0.09238	0.05782	0.01854	0.0173	0.46695579	0.000714418	9.745E-08	0.001650836	0.030311	0.005691457	0.002935	0.00263028	0.505629
1529	494861.06	3858601.99	0.06288	0.017	0.0416	0.04408	0.09257	0.05772	0.01835	0.017	0.45907098	0.000701624	9.678E-08	0.001624668	0.030373	0.005681613	0.002905	0.00258318	0.497775
1530	494911.06	3858601.99	0.06124	0.01672	0.04045	0.04312	0.09158	0.05716	0.01796	0.0167	0.44709776	0.000690068	9.41E-08	0.001589285	0.030049	0.00562649	0.002844	0.00254063	0.485355

1531	494961.06	3858601.99	0.05998	0.01659	0.0402	0.04267	0.08946	0.0565	0.01776	0.0166	0.43789882	0.000684703	9.352E-08	0.001572699	0.029353	0.005561524	0.002812	0.00252088	0.475362
1532	495011.06	3858601.99	0.05858	0.01645	0.03979	0.04203	0.08674	0.05683	0.01755	0.0165	0.42767777	0.000678924	9.257E-08	0.00154911	0.028461	0.005594007	0.002779	0.00249961	0.46424
1533	495061.06	3858601.99	0.05696	0.01633	0.03941	0.04146	0.08343	0.05693	0.01707	0.0163	0.41585056	0.000673972	9.168E-08	0.001528102	0.027375	0.00560385	0.002703	0.00248137	0.451252
1534	495111.06	3858601.99	0.05456	0.01606	0.03877	0.04075	0.08274	0.05772	0.01666	0.0161	0.39832877	0.000662828	9.019E-08	0.001501933	0.027148	0.005681613	0.002638	0.00244034	0.433521
1535	495161.06	3858601.99	0.05366	0.01596	0.0384	0.04038	0.08207	0.05925	0.01648	0.016	0.39175809	0.000658701	8.933E-08	0.001488296	0.026928	0.005832217	0.002609	0.00242515	0.42685
1536	495211.06	3858601.99	0.05319	0.01584	0.0379	0.04001	0.08156	0.06279	0.01635	0.0158	0.38832674	0.000653749	8.817E-08	0.001474659	0.026761	0.006180674	0.002589	0.00240691	0.423579
1537	495261.06	3858601.99	0.05267	0.01586	0.03738	0.03952	0.08018	0.06367	0.0162	0.0159	0.38453035	0.000654574	8.696E-08	0.001456599	0.026308	0.006267296	0.002565	0.00240995	0.419372
1538	495311.06	3858601.99	0.05239	0.01583	0.0371	0.03937	0.0788	0.06665	0.01619	0.0158	0.38248614	0.000653336	8.631E-08	0.00145107	0.025855	0.006560629	0.002563	0.0024054	0.417165
1539	495361.06	3858601.99	0.05225	0.0158	0.03691	0.03926	0.07921	0.06982	0.01623	0.0158	0.38146404	0.000652098	8.587E-08	0.001447016	0.02599	0.006872665	0.00257	0.00240084	0.416595
1540	495411.06	3858601.99	0.05215	0.01576	0.03677	0.03903	0.07938	0.07603	0.01615	0.0158	0.38073397	0.000650447	8.554E-08	0.001438539	0.026046	0.007483941	0.002557	0.00239476	0.416515
1541	495461.06	3858601.99	0.05209	0.01574	0.03655	0.03885	0.07882	0.08017	0.01614	0.0157	0.38029592	0.000649621	8.503E-08	0.001431904	0.025862	0.007891458	0.002555	0.00239172	0.416295
1542	495511.06	3858601.99	0.05174	0.01565	0.03629	0.03861	0.07762	0.08485	0.01608	0.0157	0.37774066	0.000645907	8.442E-08	0.001423059	0.025468	0.008352129	0.002546	0.00237804	0.413798
1543	495561.06	3858601.99	0.0518	0.01561	0.03632	0.03848	0.07645	0.08837	0.01603	0.0156	0.3781787	0.000644256	8.449E-08	0.001418267	0.025084	0.008698617	0.002538	0.00237197	0.41419
1544	495611.06	3858601.99	0.05135	0.01555	0.03594	0.03823	0.07494	0.09018	0.01602	0.0156	0.37489337	0.00064178	8.361E-08	0.001409053	0.024589	0.008876782	0.002536	0.00236285	0.410584
1545	495661.06	3858601.99	0.05128	0.01556	0.03566	0.03813	0.07477	0.0951	0.01602	0.0156	0.37438232	0.000642192	8.296E-08	0.001405367	0.024533	0.009361078	0.002536	0.00236437	0.410496
1546	494311.06	3858651.99	0.0646	0.01742	0.04405	0.04878	0.08963	0.05386	0.0185	0.0174	0.47162827	0.000718958	1.025E-07	0.001797897	0.029409	0.005301658	0.002929	0.002647	0.509138
1547	494361.06	3858651.99	0.06983	0.01792	0.04446	0.05053	0.09237	0.05754	0.01915	0.0179	0.50981118	0.000739594	1.034E-07	0.001862397	0.030308	0.005663895	0.003032	0.00272297	0.548694
1548	494411.06	3858651.99	0.07549	0.01877	0.04511	0.05277	0.09815	0.06062	0.02032	0.0188	0.5511334	0.000774676	1.049E-07	0.001944957	0.032204	0.005967072	0.003217	0.00285213	0.59239
1549	494461.06	3858651.99	0.07584	0.019	0.04632	0.05276	0.0988	0.06157	0.02055	0.019	0.55368867	0.000784168	1.078E-07	0.001944589	0.032418	0.006060584	0.003254	0.00288708	0.595262
1550	494511.06	3858651.99	0.0752	0.01888	0.04642	0.05221	0.09596	0.06144	0.02056	0.0189	0.54901619	0.000779215	1.08E-07	0.001924317	0.031486	0.006047788	0.003255	0.00286885	0.58964
1551	494561.06	3858651.99	0.07479	0.01881	0.04625	0.05194	0.09419	0.06172	0.02043	0.0188	0.54602288	0.000776326	1.076E-07	0.001914366	0.030905	0.006075349	0.003235	0.00285821	0.586071
1552	494611.06	3858651.99	0.07403	0.01868	0.04601	0.05148	0.09397	0.0618	0.02019	0.0187	0.54047431	0.000770961	1.07E-07	0.001897412	0.030833	0.006083224	0.003197	0.00283846	0.580417
1553	494661.06	3858651.99	0.07262	0.01852	0.04563	0.05054	0.09283	0.06251	0.01993	0.0185	0.53018026	0.000764358	1.062E-07	0.001862766	0.030459	0.006153112	0.003156	0.00281415	0.569761
1554	494711.06	3858651.99	0.07044	0.01821	0.04494	0.04955	0.0915	0.06232	0.01965	0.0182	0.51426463	0.000751563	1.045E-07	0.001826277	0.030022	0.00613441	0.003111	0.00276704	0.553344
1555	494761.06	3858651.99	0.06907	0.01813	0.04423	0.04874	0.09081	0.06303	0.01952	0.0181	0.50426261	0.000748261	1.029E-07	0.001796423	0.029796	0.006204298	0.003091	0.00275488	0.543143
1556	494811.06	3858651.99	0.06702	0.01784	0.04361	0.04747	0.08998	0.06338	0.0192	0.0178	0.48929608	0.000736293	1.015E-07	0.001749614	0.029524	0.00623875	0.00304	0.00271082	0.527874
1557	494861.06	3858651.99	0.06525	0.01755	0.04347	0.04617	0.08926	0.06336	0.01895	0.0176	0.47637375	0.000724324	1.011E-07	0.0017017	0.029287	0.006236781	0.003	0.00266675	0.514658
1558	494911.06	3858651.99	0.06325	0.01735	0.04279	0.04514	0.08838	0.06047	0.01854	0.0174	0.46177226	0.000716069	9.955E-08	0.001663737	0.028999	0.005952307	0.002935	0.00263636	0.499402
1559	494961.06	3858651.99	0.0616	0.01693	0.04222	0.0444	0.08757	0.06005	0.01822	0.0169	0.44972603	0.000698735	9.822E-08	0.001636462	0.028733	0.005910965	0.002885	0.00257254	0.487017
1560	495011.06	3858651.99	0.06061	0.01678	0.04138	0.04368	0.08693	0.06098	0.01793	0.0168	0.44249829	0.000692544	9.627E-08	0.001609925	0.028523	0.006002508	0.002839	0.00254975	0.479615
1561	495061.06	3858651.99	0.05934	0.01663	0.04038	0.04282	0.08625	0.06044	0.01765	0.0166	0.43322634	0.000686353	9.394E-08	0.001578228	0.0283	0.005949354	0.002795	0.00252696	0.470008
1562	495111.06	3858651.99	0.05726	0.01645	0.03977	0.04184	0.08454	0.06161	0.01746	0.0165	0.41804078	0.000678924	9.252E-08	0.001542108	0.027739	0.006064522	0.002764	0.00249961	0.45433
1563	495161.06	3858651.99	0.05622	0.01634	0.0392	0.04133	0.08309	0.06445	0.01711	0.0163	0.41044801	0.000674385	9.119E-08	0.00152331	0.027263	0.006344074	0.002709	0.00248289	0.446479
1564	495211.06	3858651.99	0.0548	0.0161	0.03857	0.04085	0.08024	0.06637	0.01687	0.0161	0.40008095	0.000664479	8.973E-08	0.001505619	0.026328	0.006533068	0.002671	0.00244642	0.435337
1565	495261.06	3858651.99	0.05462	0.01608	0.03829	0.04075	0.07959	0.06896	0.01672	0.0161	0.39876681	0.000663654	8.908E-08	0.001501933	0.026115	0.006788012	0.002647	0.00244338	0.434039
1566	495311.06	3858651.99	0.05419	0.01604	0.03794	0.04047	0.0791	0.07278	0.01656	0.016	0.39562749	0.000662003	8.826E-08	0.001491613	0.025954	0.00716403	0.002622	0.0024373	0.431084
1567	495361.06	3858651.99	0.05405	0.01601	0.03764	0.04028	0.07876	0.07898	0.01646	0.016	0.39460539	0.000660765	8.757E-08	0.00148461	0.025842	0.007774321	0.002606	0.00243275	0.430541
1568	495411.06	3858651.99	0.05404	0.01601	0.03723	0.04022	0.07938	0.08361	0.01646	0.016	0.39453238	0.000660765	8.661E-08	0.001482399	0.026046	0.008230071	0.002606	0.00243275	0.431125
1569	495461.06	3858651.99	0.05419	0.016	0.03695	0.0401	0.08011	0.08947	0.01656	0.016	0.39562749	0.000660352	8.596E-08	0.001477976	0.026285	0.008806894	0.002622	0.00243123	0.433049
1570	495511.06	3858651.99	0.05367	0.01593	0.0367	0.0397	0.07974	0.09169	0.01641	0.0159	0.3918311	0.000657463	8.538E-08	0.001463233	0.026164	0.009025418	0.002598	0.00242059	0.429319
1571	495561.06	3858651.99	0.05332	0.01589	0.03635	0.03934	0.07945	0.09413	0.0163	0.0159	0.38927584	0.000655812	8.456E-08	0.001449964	0.026069	0.009265597	0.002581	0.00241451	0.426882
1572	495611.06	3858651.99	0.05266	0.01581	0.03568	0.03887	0.07743	0.09625	0.01621	0.0158	0.38445735	0.00065251	8.301E-08	0.001432642	0.025406	0.009474277	0.002567	0.00240236	0.421587
1573	495661.06	3858651.99	0.05261	0.01579	0.03565	0.0387	0.07756	0.10328	0.01614	0.0158	0.38409231	0.000651685	8.294E-08	0.001426376	0.025448	0.010166268	0.002555	0.00239932	0.421941
1574	494311.06	3858701.99	0.06721	0.01792	0.04545	0.04878	0.08929	0.05785	0.01897	0.0179	0.49068322	0.000739594	1.057E-07	0.001797897	0.029297	0.00569441	0.003004	0.00272297	0.528493
1575	494361.06	3858701.99	0.07421	0.01873	0.04588	0.05169	0.09619	0.06093	0.0202	0.0187	0.54178845	0.000773025	1.067E-07	0.001905152	0.031561	0.005997586	0.003198	0.00284605	0.582378
1576	494411.06	3858701.99	0.07794	0.01938	0.04694	0.05392	0.1016	0.06515	0.02106	0.0194	0.56902024	0.000799851	1.092E-07	0.001987343	0.033336	0.006412978	0.003334	0.00294482	0.611946
1577	494461.06	3858701.99	0.07789	0.01938	0.04676	0.05395	0.10312	0.06679	0.02105	0.0194	0.5686552	0.000799851	1.088E-07	0.001988449	0.033835	0.00657441	0.003333	0.00294482	0.612241
1578	494511.06	3858701.99	0.07747	0.01958	0.04891	0.05407	0.10417	0.06789	0.02101	0.0196	0.56558888	0.000808106	1.138E-07	0.001992872	0.03418	0.006682687	0.003327	0.00297521	0.609604
1579	494561.06	3858701.99	0.07687	0.01943	0.04897	0.0536	0.10235	0.06767	0.02098	0.0194	0.56120844	0.000801915	1.139E-07	0.001975549	0.033582	0.006661032	0.003322	0.00295242	0.604599
1580	494611.06	3858701.99	0.07516	0.01907	0.04811	0.05189	0.09865	0.06645	0.02071	0.0191	0.54872416	0.000787057	1.119E-07	0.001912523	0.032368	0.006540942	0.003279	0.00289772	0.590715
1581	494661.06	3858701.99	0.07499	0.01899	0.0483	0.05161	0.09695	0.0671	0.02071	0.019	0.54748303	0.000783755	1.124E-07	0.001902203	0.031811	0.006604925	0.003279	0.00288556	0.588978
1582	494711.06	3858701.99	0.07024	0.01841	0.04639	0.04955	0.08954	0.06712	0.01986	0.0184	0.51280448	0.000759818	1.079E-07	0.001826277	0.029379	0.006606893	0.003144	0.00279743	0.551724
1583	494761.06	3858701.99	0.07146	0.01839	0.04648	0.04994	0.08934	0.06775	0.01996	0.0184	0.52171139	0.000758992	1.081E-07	0.001840651	0.029314	0.006668907	0.00316	0.00279439	0.56066
1584	494811.06	3858701.99	0.06916	0.01814	0.04562	0.04899	0.08788	0.06979	0.01965	0.0181	0.50491968	0.000748674	1.061E-07	0.001805637	0.028835	0.006869712	0.003111	0.0027564	0.543533
1585	494861.06	3858701.99	0.06739	0.01799	0.04494	0.04835	0.0871	0.06788	0.01946	0.018	0.49199735	0.000742483	1.045E-07	0.001782048	0.028579	0.006681703	0.003081	0.00273361	0.53013
1586	494911.06	3858701.99	0.0659	0.01778	0.04449	0.04769	0.08718	0.06777	0.01922	0.0178	0.48111924	0.000733816	1.035E-07	0.001757723	0.028605	0.006670875	0.003043	0.0027017	0.519228
1587	494961.06	3858701.99	0.06315	0.01746	0.04373	0.04552	0.08575	0.06542	0.01867	0.0175	0.46104218	0.000720609	1.017E-07	0.001677742	0.028136	0.006439555	0.002956	0.00265308	0.498319
1588	495011.06	3858701.99	0.06159	0.01709	0.04313	0.04468	0.0846	0.0654	0.01834	0.0171	0.44965302	0.000705339	1.003E-07	0.001646782	0.027758	0.006437587	0.002904	0.00259685	0.486508
1589	495061.06	3858701.99	0.06097	0.01699	0.04258	0.04445	0.08478	0.06603	0.01824	0.017	0.44512656	0.000701211	9.906E-08	0.001638305	0.027817	0.0064996	0.002888	0.00258166	0.48209

1590	495111.06	3858701.99	0.05938	0.01673	0.03986	0.04382	0.08376	0.06695	0.01791	0.0167	0.43351837	0.000690481	9.273E-08	0.001615085	0.027483	0.006590159	0.002836	0.00254215	0.470191
1591	495161.06	3858701.99	0.05863	0.01666	0.0396	0.04326	0.08345	0.07099	0.01771	0.0167	0.42804281	0.000687592	9.213E-08	0.001594445	0.027381	0.006987833	0.002804	0.00253152	0.464966
1592	495211.06	3858701.99	0.05737	0.01656	0.03932	0.04235	0.08276	0.07294	0.01747	0.0166	0.41884387	0.000683464	9.147E-08	0.001560905	0.027155	0.007179779	0.002766	0.00251632	0.455673
1593	495261.06	3858701.99	0.05724	0.01654	0.03926	0.04198	0.08257	0.07727	0.01744	0.0165	0.41789477	0.000682639	9.133E-08	0.001547268	0.027092	0.007605999	0.002761	0.00251328	0.455071
1594	495311.06	3858701.99	0.05713	0.01652	0.0391	0.04185	0.08263	0.084	0.01725	0.0165	0.41709169	0.000681814	9.096E-08	0.001542476	0.027112	0.00826846	0.002731	0.00251024	0.454918
1595	495361.06	3858701.99	0.05674	0.01647	0.03878	0.04173	0.08275	0.08722	0.01713	0.0165	0.4142444	0.00067975	9.022E-08	0.001538053	0.027151	0.008585418	0.002712	0.00250264	0.452409
1596	495411.06	3858701.99	0.05673	0.01644	0.03853	0.04182	0.08307	0.09206	0.01704	0.0164	0.41417139	0.000678512	8.964E-08	0.00154137	0.027256	0.009061838	0.002698	0.00249809	0.452909
1597	495461.06	3858701.99	0.05645	0.01639	0.03836	0.04162	0.0832	0.09687	0.01701	0.0164	0.41212718	0.000676448	8.924E-08	0.001533999	0.027299	0.009535306	0.002693	0.00249049	0.451375
1598	495511.06	3858701.99	0.05595	0.01633	0.03812	0.04131	0.08169	0.10024	0.01695	0.0163	0.4084768	0.000673972	8.868E-08	0.001522573	0.026804	0.009867029	0.002684	0.00248137	0.447546
1599	495561.06	3858701.99	0.05527	0.01625	0.03785	0.04074	0.07978	0.1026	0.01685	0.0163	0.4035123	0.00067067	8.805E-08	0.001501565	0.026177	0.010099333	0.002668	0.00246921	0.44216
1600	495611.06	3858701.99	0.05455	0.0161	0.03764	0.04024	0.07789	0.10728	0.01655	0.0161	0.39825576	0.000664479	8.757E-08	0.001483136	0.025557	0.010560005	0.00262	0.00244642	0.436694
1601	495661.06	3858701.99	0.05423	0.01602	0.03745	0.03988	0.07706	0.11711	0.01645	0.016	0.39591952	0.000661178	8.712E-08	0.001469867	0.025284	0.011527611	0.002605	0.00243427	0.435033
1602	494311.06	3858751.99	0.06979	0.01836	0.04803	0.04857	0.08418	0.0607	0.01995	0.0184	0.50951915	0.000757754	1.117E-07	0.001790157	0.027621	0.005974947	0.003159	0.00278983	0.546032
1603	494361.06	3858751.99	0.07859	0.01962	0.04888	0.05224	0.09085	0.06543	0.02136	0.0196	0.57376572	0.000809757	1.137E-07	0.001925423	0.029809	0.00644054	0.003382	0.00298129	0.613151
1604	494411.06	3858751.99	0.08078	0.02017	0.04979	0.05351	0.09793	0.07016	0.02186	0.0202	0.58975436	0.000832456	1.158E-07	0.001972232	0.032132	0.006906133	0.003461	0.00306487	0.631994
1605	494461.06	3858751.99	0.08065	0.02014	0.04997	0.05367	0.09977	0.07276	0.0218	0.0201	0.58880526	0.000831218	1.162E-07	0.001978129	0.032736	0.007162061	0.003452	0.00306031	0.631904
1606	494511.06	3858751.99	0.0805	0.02015	0.05133	0.05411	0.10267	0.074	0.02178	0.0202	0.58771015	0.000831631	1.194E-07	0.001994346	0.033687	0.007284119	0.003448	0.00306183	0.631894
1607	494561.06	3858751.99	0.07972	0.01993	0.05004	0.05307	0.10266	0.07408	0.02148	0.0199	0.58201557	0.000822551	1.164E-07	0.001956015	0.033684	0.007291994	0.003401	0.0030284	0.626143
1608	494611.06	3858751.99	0.07826	0.01972	0.04903	0.05186	0.10051	0.07311	0.02122	0.0197	0.57135647	0.000813884	1.141E-07	0.001911417	0.032979	0.007196513	0.00336	0.00299649	0.61462
1609	494661.06	3858751.99	0.0775	0.01942	0.04844	0.05165	0.09977	0.07371	0.02104	0.0194	0.56580791	0.000801502	1.127E-07	0.001903677	0.032736	0.007255574	0.003331	0.0029509	0.608885
1610	494711.06	3858751.99	0.07521	0.019	0.04782	0.05055	0.09807	0.07461	0.02062	0.019	0.5490892	0.000784168	1.112E-07	0.001863134	0.032178	0.007344164	0.003265	0.00288708	0.591637
1611	494761.06	3858751.99	0.07415	0.01901	0.04738	0.05027	0.09721	0.0754	0.02066	0.019	0.5413504	0.000784581	1.102E-07	0.001852814	0.031896	0.007421927	0.003271	0.0028886	0.583688
1612	494811.06	3858751.99	0.07162	0.01866	0.04663	0.04947	0.09412	0.07745	0.02029	0.0187	0.52287951	0.000770136	1.085E-07	0.001823328	0.030882	0.007623717	0.003213	0.00283542	0.564356
1613	494861.06	3858751.99	0.06934	0.01828	0.04575	0.04872	0.09029	0.07664	0.01993	0.0183	0.50623381	0.000754452	1.064E-07	0.001795686	0.029625	0.007543985	0.003156	0.00277768	0.546331
1614	494911.06	3858751.99	0.06677	0.01799	0.04486	0.04785	0.08567	0.073	0.01959	0.018	0.48747089	0.000742483	1.044E-07	0.00176362	0.028109	0.007185685	0.003102	0.00273361	0.52564
1615	494961.06	3858751.99	0.06528	0.01782	0.0444	0.04723	0.08459	0.07291	0.01927	0.0178	0.47659278	0.000735467	1.033E-07	0.001740768	0.027755	0.007176826	0.003051	0.00270778	0.514344
1616	495011.06	3858751.99	0.06434	0.01767	0.04403	0.04618	0.08402	0.07306	0.01905	0.0177	0.46973007	0.000729276	1.024E-07	0.001702068	0.027568	0.007191591	0.003016	0.00268499	0.507252
1617	495061.06	3858751.99	0.06283	0.01751	0.04328	0.04524	0.08326	0.07554	0.01871	0.0175	0.45870595	0.000722673	1.007E-07	0.001667422	0.027319	0.007435708	0.002962	0.00266067	0.496152
1618	495111.06	3858751.99	0.06131	0.01729	0.04241	0.04439	0.0824	0.07648	0.01839	0.0173	0.44760881	0.000713593	9.866E-08	0.001636094	0.027037	0.007528236	0.002912	0.00262724	0.484808
1619	495161.06	3858751.99	0.06044	0.01706	0.04181	0.04404	0.08177	0.07732	0.01823	0.0171	0.44125716	0.0007041	9.727E-08	0.001623194	0.02683	0.00761092	0.002886	0.0025923	0.478319
1620	495211.06	3858751.99	0.05928	0.01689	0.04122	0.04363	0.08049	0.08223	0.01796	0.0169	0.43278829	0.000697084	9.589E-08	0.001608082	0.02641	0.008094232	0.002844	0.00256646	0.469875
1621	495261.06	3858751.99	0.05896	0.01684	0.04102	0.04351	0.08004	0.08974	0.01791	0.0168	0.43045205	0.000695021	9.543E-08	0.001603659	0.026262	0.008833471	0.002836	0.00255887	0.468123
1622	495311.06	3858751.99	0.0587	0.01684	0.04073	0.04342	0.08085	0.09279	0.01788	0.0168	0.42855386	0.000695021	9.475E-08	0.001600342	0.026528	0.009133695	0.002831	0.00255887	0.466783
1623	495361.06	3858751.99	0.05826	0.01678	0.04031	0.04306	0.08124	0.09798	0.01774	0.0168	0.42534153	0.000692544	9.378E-08	0.001587073	0.026656	0.009644568	0.002809	0.00254975	0.464181
1624	495411.06	3858751.99	0.05823	0.01689	0.04011	0.04308	0.08125	0.10169	0.0177	0.0169	0.42512251	0.000697084	9.331E-08	0.001587811	0.026659	0.010009758	0.002802	0.00256646	0.464312
1625	495461.06	3858751.99	0.05787	0.01684	0.03978	0.04294	0.08094	0.10649	0.0176	0.0168	0.42249424	0.000695021	9.254E-08	0.001582651	0.026558	0.010482242	0.002787	0.00255887	0.46204
1626	495511.06	3858751.99	0.05735	0.01665	0.03932	0.04263	0.08068	0.11162	0.01742	0.0167	0.41869785	0.000687179	9.147E-08	0.001571225	0.026472	0.010987208	0.002758	0.00253	0.458644
1627	495561.06	3858751.99	0.05692	0.01657	0.03891	0.04228	0.08053	0.11543	0.0172	0.0166	0.41555853	0.000683877	9.052E-08	0.001558325	0.026423	0.011362242	0.002723	0.00251784	0.455792
1628	495611.06	3858751.99	0.05638	0.0165	0.03848	0.0419	0.08056	0.12272	0.01707	0.0165	0.41161613	0.000680988	8.952E-08	0.001544319	0.026433	0.012079826	0.002703	0.0025072	0.45255
1629	495661.06	3858751.99	0.05577	0.01643	0.03786	0.04142	0.08021	0.13107	0.01699	0.0164	0.40716267	0.000678099	8.808E-08	0.001526628	0.026318	0.012901751	0.00269	0.00249657	0.448781
1630	494311.06	3858801.99	0.0743	0.01934	0.04991	0.05007	0.09522	0.06585	0.02096	0.0193	0.54244552	0.000798201	1.161E-07	0.001845443	0.031243	0.006481882	0.003319	0.00293875	0.583194
1631	494361.06	3858801.99	0.08175	0.02086	0.05062	0.05355	0.09676	0.06914	0.02221	0.0209	0.59683608	0.000860934	1.178E-07	0.001973706	0.031748	0.00680573	0.003517	0.00316971	0.638572
1632	494411.06	3858801.99	0.08284	0.02068	0.05064	0.05447	0.09625	0.07389	0.02265	0.0207	0.6047939	0.000853505	1.178E-07	0.002007615	0.031581	0.007273292	0.003586	0.00314236	0.646953
1633	494461.06	3858801.99	0.08338	0.02058	0.05069	0.05488	0.0969	0.07774	0.02256	0.0206	0.6087363	0.000849378	1.179E-07	0.002022726	0.031794	0.007652263	0.003572	0.00312717	0.6515
1634	494511.06	3858801.99	0.08335	0.02074	0.05345	0.05532	0.09902	0.08087	0.0226	0.0207	0.60851728	0.000855981	1.243E-07	0.002038943	0.03249	0.007960361	0.003578	0.00315148	0.652289
1635	494561.06	3858801.99	0.08289	0.02065	0.05298	0.05479	0.09721	0.08139	0.02234	0.0207	0.60515893	0.000852267	1.233E-07	0.002019409	0.031896	0.008011547	0.003537	0.0031378	0.648338
1636	494611.06	3858801.99	0.08202	0.0205	0.0521	0.05406	0.09677	0.08116	0.02221	0.0205	0.59880728	0.000846076	1.212E-07	0.001992503	0.031752	0.007988907	0.003517	0.00311501	0.641788
1637	494661.06	3858801.99	0.08062	0.02027	0.05113	0.05311	0.09708	0.08095	0.02191	0.0203	0.58858624	0.000836584	1.189E-07	0.001957489	0.031853	0.007968236	0.003469	0.00308006	0.631591
1638	494711.06	3858801.99	0.07869	0.02	0.05011	0.05192	0.09582	0.08164	0.02149	0.02	0.5744958	0.00082544	1.166E-07	0.001913629	0.03144	0.008036156	0.003403	0.00303903	0.617074
1639	494761.06	3858801.99	0.07617	0.01957	0.0489	0.05062	0.09508	0.08338	0.02107	0.0196	0.55609791	0.000807693	1.138E-07	0.001865714	0.031197	0.008207431	0.003336	0.00297369	0.598538
1640	494811.06	3858801.99	0.07328	0.01918	0.04731	0.04931	0.09246	0.08647	0.0206	0.0192	0.53499875	0.000791597	1.101E-07	0.001817431	0.030337	0.008511592	0.003262	0.00291443	0.576804
1641	494861.06	3858801.99	0.07176	0.01892	0.04638	0.04885	0.09216	0.08591	0.02039	0.0189	0.52390162	0.000780866	1.079E-07	0.001800477	0.030239	0.008456469	0.003228	0.00287493	0.565532
1642	494911.06	3858801.99	0.06937	0.01857	0.04565	0.04762	0.09131	0.0815	0.02008	0.0186	0.50645283	0.000766421	1.062E-07	0.001755143	0.02996	0.008022375	0.003179	0.00282174	0.547314
1643	494961.06	3858801.99	0.06758	0.01823	0.0451	0.04699	0.08949	0.08091	0.01986	0.0182	0.49338449	0.000752389	1.049E-07	0.001731922	0.029363	0.007964299	0.003144	0.00277008	0.53357
1644	495011.06	3858801.99	0.06527	0.018	0.04462	0.04641	0.0872	0.08361	0.01959	0.018	0.47651977	0.000742896	1.038E-07	0.001710545	0.028611	0.008230071	0.003102	0.00273513	0.516181
1645	495061.06	3858801.99	0.06407	0.01779	0.04427	0.04606	0.08513	0.08643	0.01937	0.0178	0.46775887	0.000734229	1.03E-07	0.001697645	0.027932	0.008507655	0.003067	0.00270322	0.506994
1646	495111.06	3858801.99	0.06204	0.01755	0.04348	0.04495	0.08174	0.08482	0.01893	0.0176	0.45293836	0.000724324	1.012E-07	0.001656734	0.02682	0.008349176	0.002997	0.00266675	0.490819
1647	495161.06	3858801.99	0.06098	0.01745	0.04271	0.04436	0.08102	0.08759	0.01861	0.0175	0.44519956	0.000720196	9.936E-08	0.001634988	0.026584	0.008621838	0.002947	0.00265156	0.483055
1648	495211.06	3858801.99	0.0604	0.0174	0.04192	0.04414	0.08055	0.09483	0.01845	0.0174	0.44096513	0.000718133	9.752E-08	0.001626879	0.02643	0.009334501	0.002921	0.00264396	0.479352

1649	495261.06	3858801.99	0.06007	0.01735	0.04129	0.04404	0.0802	0.09965	0.01839	0.0174	0.43855588	0.000716069	9.606E-08	0.001623194	0.026315	0.009808953	0.002912	0.00263636	0.477294
1650	495311.06	3858801.99	0.05982	0.01737	0.04055	0.04401	0.07988	0.10573	0.01837	0.0174	0.4367307	0.000716895	9.434E-08	0.001622088	0.02621	0.010407432	0.002909	0.0026394	0.475956
1651	495361.06	3858801.99	0.05943	0.01736	0.03989	0.04398	0.07947	0.10988	0.01832	0.0174	0.43388341	0.000716482	9.28E-08	0.001620982	0.026075	0.010815933	0.002901	0.00263788	0.473375
1652	495411.06	3858801.99	0.05942	0.01739	0.03964	0.04416	0.07928	0.1141	0.01838	0.0174	0.4338104	0.00071772	9.222E-08	0.001627616	0.026013	0.011231325	0.00291	0.00264244	0.473668
1653	495461.06	3858801.99	0.05898	0.01732	0.03927	0.04406	0.07879	0.11842	0.0183	0.0173	0.43059807	0.000714831	9.136E-08	0.001623931	0.025852	0.01165656	0.002897	0.0026318	0.470711
1654	495511.06	3858801.99	0.05846	0.01723	0.03891	0.04384	0.07893	0.12321	0.01805	0.0172	0.42680168	0.000711117	9.052E-08	0.001615822	0.025898	0.012128059	0.002858	0.00261813	0.467395
1655	495561.06	3858801.99	0.05804	0.01715	0.03859	0.04356	0.07922	0.13044	0.0179	0.0172	0.42373537	0.000707815	8.978E-08	0.001605502	0.025993	0.012839737	0.002834	0.00260597	0.46511
1656	495611.06	3858801.99	0.05741	0.01703	0.03816	0.04287	0.07912	0.13755	0.0177	0.017	0.4191359	0.000702862	8.878E-08	0.001580071	0.02596	0.013539603	0.002802	0.00258774	0.461134
1657	495661.06	3858801.99	0.05713	0.01697	0.03801	0.04259	0.0789	0.1504	0.01757	0.017	0.41709169	0.000700386	8.843E-08	0.001569751	0.025888	0.014804481	0.002782	0.00257862	0.460258
1658	494311.06	3858851.99	0.08332	0.02133	0.05175	0.05433	0.10058	0.07167	0.02249	0.0213	0.60829826	0.000880332	1.204E-07	0.002002455	0.033002	0.007054768	0.003561	0.00324113	0.651557
1659	494361.06	3858851.99	0.08675	0.02193	0.05265	0.05658	0.10014	0.07664	0.02325	0.0219	0.63333982	0.000905095	1.225E-07	0.002085384	0.032857	0.007543985	0.003681	0.0033323	0.677081
1660	494411.06	3858851.99	0.08638	0.02185	0.052	0.05637	0.09995	0.07964	0.02318	0.0219	0.63063854	0.000901793	1.21E-07	0.002077644	0.032795	0.007839287	0.00367	0.00332014	0.674602
1661	494461.06	3858851.99	0.0864	0.02161	0.05151	0.05682	0.09865	0.0839	0.02319	0.0216	0.63078456	0.000891888	1.198E-07	0.002094229	0.032368	0.008258617	0.003672	0.00328368	0.674786
1662	494511.06	3858851.99	0.08596	0.02145	0.05218	0.05731	0.09693	0.08814	0.0234	0.0215	0.62757223	0.000885284	1.214E-07	0.002112289	0.031804	0.008675977	0.003705	0.00325936	0.671496
1663	494561.06	3858851.99	0.08535	0.02132	0.05198	0.05669	0.0952	0.08967	0.02318	0.0213	0.62311877	0.000879919	1.209E-07	0.002089438	0.031236	0.008826581	0.00367	0.00323961	0.666582
1664	494611.06	3858851.99	0.08431	0.02108	0.0517	0.05553	0.09372	0.0912	0.02289	0.0211	0.615526	0.000870014	1.203E-07	0.002046683	0.030751	0.008977185	0.003624	0.00320314	0.658592
1665	494661.06	3858851.99	0.08296	0.02076	0.05104	0.05433	0.0936	0.0917	0.02253	0.0208	0.60566999	0.000856807	1.187E-07	0.002002455	0.030711	0.009026402	0.003567	0.00315452	0.64868
1666	494711.06	3858851.99	0.08078	0.02042	0.04996	0.05281	0.09195	0.09161	0.02196	0.0204	0.58975436	0.000842774	1.162E-07	0.001946432	0.03017	0.009017543	0.003477	0.00310285	0.632105
1667	494761.06	3858851.99	0.07828	0.0201	0.04884	0.05157	0.08692	0.09248	0.02149	0.0201	0.57150249	0.000829567	1.136E-07	0.001900729	0.02852	0.009103181	0.003403	0.00305423	0.612204
1668	494811.06	3858851.99	0.07611	0.01979	0.04799	0.0507	0.08526	0.09786	0.02113	0.0198	0.55565987	0.000816773	1.116E-07	0.001868663	0.027975	0.009632756	0.003346	0.00300712	0.596292
1669	494861.06	3858851.99	0.07481	0.01955	0.04722	0.04997	0.08601	0.09597	0.02092	0.0196	0.5461689	0.000806868	1.099E-07	0.001841757	0.028221	0.009446715	0.003312	0.00297066	0.586827
1670	494911.06	3858851.99	0.07273	0.01921	0.04644	0.04889	0.08569	0.09253	0.02062	0.0192	0.53098334	0.000792835	1.08E-07	0.001801951	0.028116	0.009108102	0.003265	0.00291899	0.571148
1671	494961.06	3858851.99	0.07082	0.01891	0.04622	0.04816	0.08627	0.09511	0.02033	0.0189	0.51703892	0.000780454	1.075E-07	0.001775045	0.028306	0.009362062	0.003219	0.00287341	0.557608
1672	495011.06	3858851.99	0.06929	0.01861	0.04591	0.04757	0.0863	0.09605	0.02013	0.0186	0.50586877	0.000768072	1.068E-07	0.0017533	0.028316	0.00945459	0.003187	0.00282782	0.54652
1673	495061.06	3858851.99	0.06738	0.01832	0.04519	0.04689	0.08604	0.09817	0.01985	0.0183	0.49192435	0.000756103	1.051E-07	0.001728237	0.028231	0.00966327	0.003143	0.00278375	0.532662
1674	495111.06	3858851.99	0.06304	0.01794	0.04393	0.04565	0.08457	0.09619	0.01945	0.0179	0.4602391	0.00074042	1.022E-07	0.001682534	0.027749	0.009468371	0.00308	0.00272601	0.500233
1675	495161.06	3858851.99	0.06116	0.01767	0.04303	0.04504	0.08315	0.10259	0.01923	0.0177	0.4465137	0.000729276	1.001E-07	0.001660051	0.027283	0.010098349	0.003045	0.00268499	0.486644
1676	495211.06	3858851.99	0.06147	0.01764	0.04275	0.0449	0.08277	0.11	0.01913	0.0176	0.44877693	0.000728038	9.945E-08	0.001654891	0.027158	0.010827745	0.003029	0.00268043	0.489494
1677	495261.06	3858851.99	0.06115	0.01767	0.04252	0.04469	0.08191	0.11501	0.019	0.0177	0.44644069	0.000729276	9.892E-08	0.001647151	0.026876	0.0113209	0.003008	0.00268499	0.487337
1678	495311.06	3858851.99	0.06138	0.01773	0.04242	0.04471	0.0811	0.12175	0.01897	0.0177	0.44811986	0.000731753	9.869E-08	0.001647888	0.02661	0.011984345	0.003004	0.0026941	0.489403
1679	495361.06	3858851.99	0.0613	0.01774	0.04212	0.04463	0.07985	0.12713	0.01889	0.0177	0.4475358	0.000732165	9.799E-08	0.001644939	0.0262	0.01251392	0.002991	0.00269562	0.488922
1680	495411.06	3858851.99	0.06123	0.01775	0.04194	0.04454	0.07878	0.13097	0.01887	0.0178	0.44702475	0.000732578	9.757E-08	0.001641622	0.025849	0.012891907	0.002988	0.00269714	0.48843
1681	495461.06	3858851.99	0.06131	0.01773	0.04172	0.04431	0.0784	0.1388	0.01886	0.0177	0.44760881	0.000731753	9.706E-08	0.001633145	0.025724	0.013662646	0.002986	0.0026941	0.489653
1682	495511.06	3858851.99	0.06114	0.01763	0.04124	0.04413	0.07817	0.144	0.01871	0.0176	0.44636768	0.000727625	9.594E-08	0.001626511	0.025649	0.014174503	0.002962	0.00267891	0.488829
1683	495561.06	3858851.99	0.0593	0.0175	0.04083	0.04364	0.07739	0.15118	0.01854	0.0175	0.43293431	0.00072226	9.499E-08	0.001608451	0.025393	0.014881259	0.002935	0.00265915	0.475815
1684	495611.06	3858851.99	0.05828	0.01736	0.0404	0.04324	0.07677	0.16379	0.01826	0.0174	0.42548755	0.000716482	9.399E-08	0.001593708	0.025189	0.016122513	0.002891	0.00263788	0.469363
1685	495661.06	3858851.99	0.0582	0.01734	0.04012	0.04319	0.07619	0.18277	0.01814	0.0173	0.42490349	0.000715657	9.333E-08	0.001591865	0.024999	0.017990791	0.002872	0.00263484	0.470438
1686	494311.06	3858901.99	0.08746	0.02212	0.0531	0.05576	0.11102	0.07784	0.02348	0.0221	0.63852335	0.000912937	1.235E-07	0.002055161	0.036427	0.007662106	0.003718	0.00336117	0.685937
1687	494361.06	3858901.99	0.08913	0.0227	0.05352	0.05848	0.11145	0.08326	0.02388	0.0227	0.6507156	0.000936874	1.245E-07	0.002155412	0.036568	0.008195619	0.003781	0.0034493	0.698904
1688	494411.06	3858901.99	0.08892	0.02274	0.05346	0.05927	0.10835	0.08639	0.024	0.0227	0.64918244	0.000938525	1.244E-07	0.00218453	0.035551	0.008503717	0.0038	0.00345538	0.696705
1689	494461.06	3858901.99	0.08853	0.02287	0.05468	0.0599	0.10521	0.09031	0.02437	0.0229	0.64633515	0.000943891	1.272E-07	0.00220775	0.034521	0.008889579	0.003859	0.00347513	0.693281
1690	494511.06	3858901.99	0.08815	0.02254	0.05427	0.0601	0.10156	0.09548	0.02442	0.0225	0.64356086	0.000930271	1.263E-07	0.002215121	0.033323	0.009398483	0.003866	0.00342499	0.68987
1691	494561.06	3858901.99	0.08731	0.0221	0.05363	0.05923	0.09744	0.0989	0.02417	0.0221	0.63742824	0.000912111	1.248E-07	0.002183055	0.031971	0.009735127	0.003827	0.00335813	0.682699
1692	494611.06	3858901.99	0.08592	0.02161	0.0528	0.05734	0.0964	0.10035	0.02357	0.0216	0.6272802	0.000891888	1.228E-07	0.002113395	0.03163	0.009877857	0.003732	0.00328368	0.672242
1693	494661.06	3858901.99	0.08498	0.02138	0.05245	0.05654	0.09513	0.10263	0.02329	0.0214	0.6204175	0.000882395	1.22E-07	0.002083909	0.031213	0.010102286	0.003688	0.00324873	0.665138
1694	494711.06	3858901.99	0.08324	0.02095	0.05154	0.05482	0.09304	0.10393	0.02281	0.021	0.6077142	0.000864648	1.199E-07	0.002020515	0.030528	0.01023025	0.003612	0.00318339	0.651786
1695	494761.06	3858901.99	0.08082	0.02054	0.05096	0.05279	0.09079	0.10511	0.02221	0.0205	0.59004639	0.000847727	1.186E-07	0.001945695	0.029789	0.010346403	0.003517	0.00312109	0.633371
1696	494811.06	3858901.99	0.07916	0.02032	0.0506	0.05202	0.08973	0.1177	0.02184	0.0203	0.57792715	0.000838647	1.177E-07	0.001917314	0.029442	0.011585687	0.003458	0.00308766	0.622081
1697	494861.06	3858901.99	0.07775	0.02015	0.04992	0.05155	0.08873	0.11446	0.02156	0.0202	0.56763309	0.000831631	1.161E-07	0.001899992	0.029114	0.011266761	0.003414	0.00306183	0.611097
1698	494911.06	3858901.99	0.0747	0.01978	0.04856	0.05034	0.08406	0.1073	0.02099	0.0198	0.54536581	0.00081636	1.13E-07	0.001855394	0.027581	0.010561973	0.003323	0.0030056	0.586499
1699	494961.06	3858901.99	0.07317	0.01948	0.04748	0.04967	0.08069	0.11174	0.02079	0.0195	0.53419567	0.000803979	1.105E-07	0.0018307	0.026475	0.01099902	0.003292	0.00296002	0.574637
1700	495011.06	3858901.99	0.07165	0.01921	0.04643	0.04903	0.07908	0.11263	0.02057	0.0192	0.52309854	0.000792835	1.08E-07	0.001807111	0.025947	0.011086627	0.003257	0.00291899	0.56307
1701	495061.06	3858901.99	0.06932	0.01886	0.04551	0.04803	0.07836	0.11321	0.02011	0.0189	0.50608779	0.00077839	1.059E-07	0.001770254	0.025711	0.011143718	0.003184	0.00286581	0.545809
1702	495111.06	3858901.99	0.06567	0.01841	0.04445	0.04674	0.07763	0.11934	0.01953	0.0184	0.47944007	0.000759818	1.034E-07	0.001722708	0.025471	0.011747119	0.003092	0.00279743	0.519436
1703	495161.06	3858901.99	0.06459	0.0182	0.04388	0.04638	0.07861	0.12697	0.01946	0.0182	0.47155526	0.00075115	1.021E-07	0.00170944	0.025793	0.012498171	0.003081	0.00276552	0.512623
1704	495211.06	3858901.99	0.06572	0.01817	0.04379	0.04642	0.08043	0.13327	0.01966	0.0182	0.4798051	0.000749912	1.019E-07	0.001710914	0.02639	0.013118305	0.003113	0.00276096	0.522126
1705	495261.06	3858901.99	0.0656	0.0181	0.04352	0.04619	0.0819	0.13905	0.01973	0.0181	0.47892902	0.000747023	1.012E-07	0.001702437	0.026872	0.013687254	0.003124	0.00275033	0.522312
1706	495311.06	3858901.99	0.06519	0.01801	0.04329	0.04601	0.08272	0.1451	0.0196	0.018	0.47593571	0.000743309	1.007E-07	0.001695802	0.027142	0.01428278	0.003103	0.00273665	0.520166
1707	495361.06	3858901.99	0.06488	0.018	0.04298	0.04585	0.08332	0.15314	0.01951	0.018	0.47367248	0.000742896	9.999E-08	0.001689905	0.027338	0.01507419	0.003089	0.00273513	0.518872

1708	495411.06	3858901.99	0.06506	0.01808	0.04254	0.04596	0.08314	0.15916	0.01952	0.0181	0.47498661	0.000746198	9.896E-08	0.001693959	0.027279	0.015666763	0.003091	0.00274729	0.520716
1709	495461.06	3858901.99	0.06444	0.01809	0.04189	0.0457	0.0821	0.16371	0.01945	0.0181	0.47046015	0.000746611	9.745E-08	0.001684377	0.026938	0.016114638	0.00308	0.00274881	0.516275
1710	495511.06	3858901.99	0.06338	0.01801	0.04112	0.04526	0.08065	0.16759	0.01926	0.018	0.46272136	0.000743309	9.566E-08	0.001668159	0.026462	0.016496562	0.003049	0.00273665	0.508405
1711	495561.06	3858901.99	0.06266	0.01791	0.04046	0.04497	0.0795	0.17817	0.01908	0.0179	0.45746482	0.000739182	9.413E-08	0.001657471	0.026085	0.017537994	0.003021	0.00272145	0.503784
1712	495611.06	3858901.99	0.06155	0.01779	0.03987	0.0445	0.07737	0.19515	0.01892	0.0178	0.44936099	0.000734229	9.275E-08	0.001640148	0.025386	0.019209404	0.002996	0.00270322	0.496623
1713	495661.06	3858901.99	0.06163	0.01778	0.03943	0.04437	0.07616	0.22103	0.01892	0.0178	0.44994505	0.000733816	9.173E-08	0.001635356	0.024989	0.021756877	0.002996	0.0027017	0.499354
1714	494311.06	3858951.99	0.09037	0.02334	0.05502	0.06023	0.11852	0.08413	0.02465	0.0233	0.65976852	0.000963289	1.28E-07	0.002219913	0.038888	0.008281256	0.003903	0.00354655	0.710477
1715	494361.06	3858951.99	0.09056	0.02353	0.05506	0.0618	0.11588	0.08816	0.02503	0.0235	0.66115567	0.00097113	1.281E-07	0.002277778	0.038022	0.008677946	0.003963	0.00357542	0.711492
1716	494411.06	3858951.99	0.08996	0.02336	0.0547	0.06134	0.11366	0.09315	0.0249	0.0234	0.65677522	0.000964114	1.273E-07	0.002260824	0.037293	0.009169131	0.003942	0.00354959	0.706856
1717	494461.06	3858951.99	0.08971	0.02374	0.05762	0.06247	0.11227	0.09739	0.02526	0.0237	0.65495003	0.000979797	1.34E-07	0.002302473	0.036837	0.009586492	0.003999	0.00360733	0.705048
1718	494511.06	3858951.99	0.08915	0.02359	0.05716	0.06214	0.11089	0.10302	0.02518	0.0236	0.65086161	0.000973607	1.33E-07	0.00229031	0.036385	0.010140676	0.003987	0.00358454	0.701053
1719	494561.06	3858951.99	0.08832	0.02307	0.05598	0.06121	0.10807	0.11105	0.02494	0.0231	0.64480199	0.000952145	1.302E-07	0.002256033	0.035459	0.010931101	0.003949	0.00350553	0.694844
1720	494611.06	3858951.99	0.08713	0.02254	0.05469	0.05959	0.10467	0.11542	0.02446	0.0225	0.6361141	0.000930271	1.272E-07	0.002196324	0.034344	0.011361258	0.003873	0.00342499	0.685394
1721	494661.06	3858951.99	0.08597	0.02207	0.05368	0.05821	0.10079	0.12	0.02408	0.0221	0.62764524	0.000910873	1.249E-07	0.002145461	0.033071	0.011812086	0.003813	0.00335357	0.676043
1722	494711.06	3858951.99	0.08428	0.02152	0.05208	0.05603	0.09597	0.12287	0.02339	0.0215	0.61530697	0.000888174	1.212E-07	0.002065112	0.031489	0.012094591	0.003703	0.00327	0.662277
1723	494761.06	3858951.99	0.08293	0.02112	0.05096	0.05451	0.09256	0.12577	0.02311	0.0211	0.60545096	0.000871665	1.186E-07	0.002009089	0.03037	0.01238005	0.003659	0.00320922	0.651532
1724	494811.06	3858951.99	0.08187	0.02086	0.04999	0.05363	0.0921	0.14088	0.02276	0.0209	0.59771217	0.000860934	1.163E-07	0.001976655	0.030219	0.013867389	0.003604	0.00316971	0.64507
1725	494861.06	3858951.99	0.08065	0.02063	0.04916	0.05273	0.09094	0.14193	0.02244	0.0206	0.58880526	0.000851441	1.144E-07	0.001943483	0.029839	0.013970744	0.003553	0.00313476	0.635828
1726	494911.06	3858951.99	0.07869	0.02034	0.0483	0.05163	0.08898	0.13758	0.02196	0.0203	0.5744958	0.000839473	1.124E-07	0.00190294	0.029196	0.013542556	0.003477	0.0030907	0.620363
1727	494961.06	3858951.99	0.07754	0.02019	0.04776	0.05128	0.08731	0.14024	0.02172	0.0202	0.56609994	0.000833282	1.111E-07	0.00189004	0.028648	0.013804391	0.003439	0.0030679	0.611646
1728	495011.06	3858951.99	0.07366	0.01976	0.04668	0.04964	0.08552	0.13397	0.02104	0.0198	0.53777304	0.000815535	1.086E-07	0.001829594	0.02806	0.013187209	0.003331	0.00300257	0.581994
1729	495061.06	3858951.99	0.07028	0.01928	0.04529	0.04846	0.08147	0.14845	0.02039	0.0193	0.51309651	0.000795724	1.054E-07	0.001786103	0.026731	0.014612534	0.003228	0.00292963	0.557321
1730	495111.06	3858951.99	0.06763	0.01892	0.04426	0.04731	0.07641	0.14898	0.01987	0.0189	0.49374953	0.000780866	1.03E-07	0.001743717	0.025071	0.014664704	0.003146	0.00287493	0.536281
1731	495161.06	3858951.99	0.06886	0.01887	0.04437	0.0479	0.07629	0.15844	0.02011	0.0189	0.50272945	0.000778803	1.032E-07	0.001765463	0.025032	0.01559589	0.003184	0.00286733	0.546218
1732	495211.06	3858951.99	0.06875	0.01879	0.04397	0.04795	0.07552	0.16749	0.02016	0.0188	0.50192637	0.000775501	1.023E-07	0.001767305	0.024779	0.016486718	0.003192	0.00285517	0.546072
1733	495261.06	3858951.99	0.06861	0.0187	0.04395	0.04807	0.07591	0.1766	0.0202	0.0187	0.50090426	0.000771786	1.022E-07	0.001771728	0.024907	0.017383453	0.003198	0.0028415	0.546095
1734	495311.06	3858951.99	0.0674	0.0185	0.04359	0.04752	0.07591	0.1791	0.02006	0.0185	0.49207036	0.000763532	1.014E-07	0.001751457	0.024907	0.017629538	0.003176	0.00281111	0.537487
1735	495361.06	3858951.99	0.06742	0.01846	0.0434	0.04759	0.07729	0.18683	0.02018	0.0185	0.49221638	0.000761881	1.01E-07	0.001754037	0.02536	0.018390433	0.003195	0.00280503	0.538873
1736	495411.06	3858951.99	0.06777	0.01843	0.04301	0.04773	0.07907	0.19893	0.02023	0.0184	0.49477164	0.000760643	1.001E-07	0.001759197	0.025944	0.019581485	0.003203	0.00280047	0.54322
1737	495461.06	3858951.99	0.06734	0.01837	0.04237	0.04729	0.08061	0.20509	0.02008	0.0184	0.49163232	0.000758167	9.857E-08	0.00174298	0.026449	0.020187839	0.003179	0.00279135	0.541159
1738	495511.06	3858951.99	0.06738	0.01844	0.04192	0.04724	0.08174	0.2168	0.01999	0.0184	0.49192435	0.000761056	9.752E-08	0.001741137	0.02682	0.021340501	0.003165	0.00280199	0.54295
1739	495561.06	3858951.99	0.06542	0.0183	0.04138	0.04642	0.08127	0.23053	0.01972	0.0183	0.47761488	0.000755278	9.627E-08	0.001710914	0.026666	0.022692001	0.003122	0.00278072	0.529781
1740	495611.06	3858951.99	0.06435	0.01826	0.04087	0.04598	0.08064	0.24151	0.01961	0.0183	0.46980308	0.000753627	9.508E-08	0.001694697	0.026459	0.023772807	0.003105	0.00277464	0.522814
1741	495661.06	3858951.99	0.06447	0.01825	0.04057	0.04613	0.08053	0.27716	0.01953	0.0183	0.47067917	0.000753214	9.438E-08	0.001700225	0.026423	0.02728198	0.003092	0.00277312	0.527157
1742	494311.06	3859001.99	0.09075	0.02479	0.0593	0.06356	0.11723	0.08768	0.02571	0.0248	0.66254281	0.001023133	1.38E-07	0.002342647	0.038465	0.008630697	0.004071	0.00376688	0.713308
1743	494361.06	3859001.99	0.09045	0.02462	0.05938	0.06383	0.11885	0.09112	0.02579	0.0246	0.66035258	0.001016117	1.381E-07	0.002352599	0.038996	0.00896931	0.004083	0.00374105	0.712029
1744	494411.06	3859001.99	0.09001	0.02466	0.06038	0.06415	0.11879	0.09878	0.02607	0.0247	0.65714025	0.001017768	1.405E-07	0.002364393	0.038977	0.009723315	0.004128	0.00374713	0.709603
1745	494461.06	3859001.99	0.08961	0.02457	0.0601	0.06408	0.11748	0.10437	0.02598	0.0246	0.65421996	0.001014053	1.398E-07	0.002361813	0.038547	0.010273561	0.004113	0.00373345	0.706796
1746	494511.06	3859001.99	0.0892	0.02445	0.05956	0.06374	0.11504	0.1128	0.02592	0.0245	0.65122665	0.0010091	1.386E-07	0.002349281	0.037746	0.01110336	0.004104	0.00371522	0.703823
1747	494561.06	3859001.99	0.08841	0.02407	0.05799	0.06268	0.11222	0.12248	0.02553	0.0241	0.64545906	0.000993417	1.349E-07	0.002310213	0.036821	0.012056202	0.004042	0.00365748	0.698025
1748	494611.06	3859001.99	0.08764	0.02352	0.05659	0.06124	0.10962	0.1308	0.02517	0.0235	0.63983748	0.000970718	1.317E-07	0.002257138	0.035968	0.012875173	0.003985	0.0035739	0.69232
1749	494661.06	3859001.99	0.08647	0.02292	0.05508	0.05932	0.10661	0.13874	0.02467	0.0229	0.63129561	0.000945954	1.281E-07	0.002186372	0.03498	0.01365674	0.003906	0.00348273	0.683488
1750	494711.06	3859001.99	0.08497	0.02236	0.05399	0.05746	0.10394	0.14745	0.02407	0.0224	0.62034449	0.000922842	1.256E-07	0.002117818	0.034104	0.0145141	0.003811	0.00339764	0.672417
1751	494761.06	3859001.99	0.08397	0.02187	0.05339	0.05636	0.10171	0.15542	0.02375	0.0219	0.61304374	0.000902619	1.242E-07	0.002077275	0.033372	0.01529862	0.00376	0.00332318	0.665132
1752	494811.06	3859001.99	0.08332	0.02171	0.05305	0.0558	0.09974	0.17634	0.02347	0.0217	0.60829826	0.000896015	1.234E-07	0.002056635	0.032726	0.01735786	0.003716	0.00329887	0.661752
1753	494861.06	3859001.99	0.08198	0.02132	0.05227	0.05413	0.09556	0.17629	0.02316	0.0213	0.59851525	0.000879919	1.216E-07	0.001995083	0.031355	0.017352938	0.003667	0.00323961	0.650525
1754	494911.06	3859001.99	0.08052	0.02093	0.05106	0.05281	0.09141	0.1847	0.0228	0.0209	0.58785616	0.000863823	1.188E-07	0.001946432	0.029993	0.018180768	0.00361	0.00318035	0.63927
1755	494961.06	3859001.99	0.07901	0.02056	0.0499	0.05169	0.08883	0.17896	0.02241	0.0206	0.57683204	0.000848552	1.161E-07	0.001905152	0.029146	0.017615757	0.003548	0.00312413	0.626772
1756	495011.06	3859001.99	0.07376	0.01988	0.04756	0.04879	0.08727	0.18791	0.02135	0.0199	0.53850311	0.000820487	1.106E-07	0.001798266	0.028634	0.018496742	0.00338	0.0030208	0.588613
1757	495061.06	3859001.99	0.07258	0.01973	0.04678	0.04857	0.08614	0.19139	0.0211	0.0197	0.52988823	0.000814297	1.088E-07	0.001790157	0.028264	0.018839292	0.003341	0.00299801	0.579939
1758	495111.06	3859001.99	0.07009	0.01943	0.04555	0.04775	0.08362	0.1928	0.02054	0.0194	0.51170937	0.000801915	1.06E-07	0.001759934	0.027437	0.018978084	0.003252	0.00295242	0.560986
1759	495161.06	3859001.99	0.07219	0.01951	0.04573	0.0486	0.08349	0.20808	0.0209	0.0195	0.52704094	0.000805217	1.064E-07	0.001791263	0.027394	0.020482156	0.003309	0.00296458	0.577858
1760	495211.06	3859001.99	0.07174	0.01938	0.0451	0.04846	0.08269	0.22003	0.02078	0.0194	0.5237556	0.000799851	1.049E-07	0.001786103	0.027132	0.021658443	0.00329	0.00294482	0.575477
1761	495261.06	3859001.99	0.07182	0.01939	0.04464	0.04845	0.0814	0.2332	0.02083	0.0194	0.52433966	0.000800264	1.039E-07	0.001785734	0.026708	0.02295482	0.003298	0.00294634	0.576941
1762	495311.06	3859001.99	0.07123	0.01925	0.04409	0.04827	0.07888	0.23918	0.02079	0.0193	0.52003222	0.000794486	1.026E-07	0.0017791	0.025882	0.023543455	0.003292	0.00292507	0.572398
1763	495361.06	3859001.99	0.07124	0.01916	0.04382	0.04844	0.07668	0.25312	0.02075	0.0192	0.52010523	0.000790772	1.019E-07	0.001785365	0.02516	0.024915626	0.003285	0.00291139	0.573131
1764	495411.06	3859001.99	0.07095	0.01907	0.04346	0.04849	0.07462	0.2623	0.02075	0.0191	0.51798801	0.000787057	1.011E-07	0.001787208	0.024484	0.02581925	0.003285	0.00289772	0.571253
1765	495461.06	3859001.99	0.0708	0.019	0.04312	0.04853	0.07434	0.27439	0.02078	0.019	0.5168929	0.000784168	1.003E-07	0.001788683	0.024392	0.027009318	0.00329	0.00288708	0.57127
1766	495511.06	3859001.99	0.06936	0.01873	0.04268	0.04793	0.07483	0.28146	0.02063	0.0187	0.50637982	0.000773025	9.929E-08	0.001766568	0.024553	0.027705247	0.003266	0.00284605	0.561598

1767	495561.06	3859001.99	0.06866	0.0186	0.04246	0.04763	0.075	0.29732	0.02053	0.0186	0.5012693	0.000767659	9.878E-08	0.001755511	0.024609	0.029266411	0.003251	0.0028263	0.558092
1768	495611.06	3859001.99	0.06787	0.01855	0.04221	0.04721	0.07592	0.32187	0.02033	0.0186	0.49550171	0.000765596	9.82E-08	0.001740031	0.02491	0.031682967	0.003219	0.0028187	0.555001
1769	495661.06	3859001.99	0.06854	0.01872	0.04222	0.04762	0.07821	0.37353	0.02051	0.0187	0.50039321	0.000772612	9.822E-08	0.001755143	0.025662	0.03676807	0.003247	0.00284454	0.565754
1770	494311.06	3859051.99	0.0906	0.02589	0.0618	0.06701	0.12048	0.09319	0.02666	0.0259	0.66144769	0.001068532	1.438E-07	0.002469805	0.039531	0.009173069	0.004221	0.00393403	0.713977
1771	494361.06	3859051.99	0.09025	0.02598	0.06445	0.06723	0.11845	0.09684	0.02721	0.026	0.65889243	0.001072247	1.499E-07	0.002477913	0.038865	0.009532353	0.004308	0.0039477	0.711201
1772	494411.06	3859051.99	0.08978	0.02576	0.0634	0.06628	0.11258	0.10243	0.02704	0.0258	0.65546108	0.001063167	1.475E-07	0.002442899	0.036939	0.010082599	0.004281	0.00391428	0.706356
1773	494461.06	3859051.99	0.08925	0.02547	0.06208	0.06509	0.11301	0.11012	0.0268	0.0255	0.65159169	0.001051198	1.444E-07	0.002399039	0.03708	0.010839557	0.004243	0.00387021	0.703335
1774	494511.06	3859051.99	0.08861	0.02508	0.06086	0.06369	0.114	0.1172	0.02645	0.0251	0.64691921	0.001035102	1.416E-07	0.002347439	0.037405	0.01153647	0.004188	0.00381095	0.69962
1775	494561.06	3859051.99	0.08803	0.02478	0.05983	0.06264	0.11501	0.13196	0.02617	0.0248	0.64268477	0.00102272	1.392E-07	0.002308739	0.037736	0.012989357	0.004144	0.00376536	0.69712
1776	494611.06	3859051.99	0.08727	0.02441	0.05837	0.06101	0.11433	0.14677	0.02574	0.0244	0.63713621	0.00100745	1.358E-07	0.002248661	0.037513	0.014447165	0.004075	0.00370914	0.692719
1777	494661.06	3859051.99	0.08642	0.02394	0.05679	0.05937	0.11255	0.16278	0.02529	0.0239	0.63093057	0.000988052	1.321E-07	0.002188215	0.036929	0.016023094	0.004004	0.00363772	0.687426
1778	494711.06	3859051.99	0.08561	0.02335	0.05543	0.0584	0.11013	0.1848	0.02489	0.0234	0.62501697	0.000963701	1.29E-07	0.002152464	0.036135	0.018190612	0.003941	0.00354807	0.682852
1779	494761.06	3859051.99	0.08465	0.02282	0.05411	0.05725	0.10653	0.21089	0.02445	0.0228	0.61800825	0.000941827	1.259E-07	0.002110078	0.034954	0.020758756	0.003871	0.00346754	0.677177
1780	494811.06	3859051.99	0.0838	0.0224	0.05309	0.05617	0.10411	0.23208	0.02417	0.0224	0.61180261	0.000924493	1.235E-07	0.002070272	0.03416	0.022844574	0.003827	0.00340372	0.672225
1781	494861.06	3859051.99	0.08292	0.02206	0.05198	0.0551	0.10206	0.24404	0.02373	0.0221	0.60537796	0.00091046	1.209E-07	0.002030835	0.033487	0.024021845	0.003757	0.00335205	0.666234
1782	494911.06	3859051.99	0.0815	0.02163	0.05065	0.05403	0.09856	0.25633	0.02335	0.0216	0.5950109	0.000892713	1.178E-07	0.001991398	0.032339	0.025231599	0.003697	0.00328671	0.655876
1783	494961.06	3859051.99	0.07916	0.02088	0.04917	0.05236	0.09577	0.27805	0.02276	0.0209	0.57792715	0.000861759	1.144E-07	0.001929846	0.031423	0.027369587	0.003604	0.00317275	0.639943
1784	495011.06	3859051.99	0.07725	0.0205	0.04817	0.05046	0.09314	0.28046	0.02224	0.0205	0.56398272	0.000846076	1.121E-07	0.001859817	0.03056	0.027606813	0.003521	0.00311501	0.625262
1785	495061.06	3859051.99	0.07575	0.02026	0.04758	0.04965	0.08938	0.29482	0.02182	0.0203	0.5530316	0.000836171	1.107E-07	0.001829963	0.029327	0.029020326	0.003455	0.00307854	0.614421
1786	495111.06	3859051.99	0.07488	0.02014	0.04718	0.04938	0.08673	0.30776	0.02165	0.0201	0.54667995	0.000831218	1.098E-07	0.001820011	0.028457	0.030294062	0.003428	0.00306031	0.60845
1787	495161.06	3859051.99	0.07559	0.02023	0.047	0.05012	0.08533	0.34356	0.02182	0.0202	0.55186348	0.000834933	1.093E-07	0.001847286	0.027998	0.033818001	0.003455	0.00307398	0.616743
1788	495211.06	3859051.99	0.07459	0.02008	0.04652	0.04965	0.08464	0.3446	0.02149	0.0201	0.54456273	0.000828742	1.082E-07	0.001829963	0.027772	0.033920373	0.003403	0.00305119	0.609265
1789	495261.06	3859051.99	0.07485	0.02006	0.04626	0.0502	0.08438	0.37039	0.02155	0.0201	0.54646093	0.000827916	1.076E-07	0.001850234	0.027686	0.036458987	0.003412	0.00304815	0.613648
1790	495311.06	3859051.99	0.07423	0.01987	0.0457	0.04991	0.08295	0.37566	0.02136	0.0199	0.54193446	0.000820075	1.063E-07	0.001839546	0.027217	0.036977734	0.003382	0.00301928	0.609152
1791	495361.06	3859051.99	0.07396	0.01982	0.04519	0.04986	0.08162	0.38774	0.02128	0.0198	0.53996326	0.000818011	1.051E-07	0.001837703	0.026781	0.038166817	0.003369	0.00301168	0.607924
1792	495411.06	3859051.99	0.07388	0.01981	0.04475	0.05	0.08145	0.41143	0.02136	0.0198	0.5393792	0.000817598	1.041E-07	0.001842863	0.026725	0.04049872	0.003382	0.00301016	0.609635
1793	495461.06	3859051.99	0.07376	0.01974	0.04443	0.0501	0.08141	0.42777	0.02127	0.0197	0.53850311	0.000814709	1.034E-07	0.001846549	0.026712	0.042107132	0.003368	0.00299953	0.610352
1794	495511.06	3859051.99	0.07275	0.0196	0.04367	0.04936	0.07885	0.42428	0.02109	0.0196	0.53112936	0.000808931	1.016E-07	0.001819274	0.025872	0.041763597	0.003339	0.00297825	0.601754
1795	495561.06	3859051.99	0.07167	0.01932	0.04311	0.04898	0.076	0.43831	0.02097	0.0193	0.52324455	0.000797375	1.003E-07	0.001805268	0.024937	0.043144627	0.00332	0.00293571	0.594313
1796	495611.06	3859051.99	0.07072	0.01912	0.04262	0.04866	0.07337	0.46362	0.02087	0.0191	0.51630884	0.000789121	9.915E-08	0.001793474	0.024074	0.045635993	0.003304	0.00290532	0.589
1797	495661.06	3859051.99	0.07121	0.0193	0.04272	0.04871	0.07251	0.5483	0.02099	0.0193	0.51988621	0.00079655	9.938E-08	0.001795317	0.023792	0.053971388	0.003323	0.00293267	0.600632
1798	494311.06	3859101.99	0.09051	0.02739	0.06345	0.07176	0.118	0.1001	0.02819	0.0274	0.66079063	0.00113044	1.476E-07	0.002644877	0.038717	0.009853248	0.004463	0.00416196	0.713438
1799	494361.06	3859101.99	0.09009	0.02717	0.06242	0.07071	0.11742	0.10478	0.02809	0.0272	0.65772431	0.00112136	1.452E-07	0.002606177	0.038527	0.010313919	0.004448	0.00412853	0.710612
1800	494411.06	3859101.99	0.08971	0.02703	0.06186	0.06984	0.11853	0.11312	0.028	0.027	0.65495003	0.001115582	1.439E-07	0.002574111	0.038891	0.011134859	0.004433	0.00410725	0.708992
1801	494461.06	3859101.99	0.0892	0.02667	0.06107	0.06837	0.11888	0.12128	0.02777	0.0267	0.65122665	0.001100724	1.421E-07	0.002519931	0.039006	0.011938081	0.004397	0.00405255	0.706136
1802	494511.06	3859101.99	0.08852	0.02615	0.05978	0.06638	0.11496	0.12726	0.02733	0.0262	0.64626214	0.001079263	1.391E-07	0.002446585	0.03772	0.012526717	0.004327	0.00397354	0.700388
1803	494561.06	3859101.99	0.08794	0.02578	0.0583	0.06496	0.10993	0.13685	0.02699	0.0258	0.64202771	0.001063992	1.356E-07	0.002394247	0.03607	0.013470699	0.004273	0.00391731	0.695382
1804	494611.06	3859101.99	0.08709	0.02516	0.05655	0.06279	0.10764	0.15085	0.0264	0.0252	0.63582207	0.001038404	1.316E-07	0.002314267	0.035318	0.014848776	0.00418	0.0038231	0.689699
1805	494661.06	3859101.99	0.08647	0.02479	0.05568	0.06145	0.10819	0.17898	0.02608	0.0248	0.63129561	0.001023133	1.295E-07	0.002264878	0.035499	0.017617726	0.004129	0.00376688	0.688062
1806	494711.06	3859101.99	0.08542	0.0242	0.05447	0.0588	0.10853	0.22923	0.02541	0.0242	0.62362982	0.000998782	1.267E-07	0.002167207	0.03561	0.022564037	0.004023	0.00367723	0.685316
1807	494761.06	3859101.99	0.08505	0.02389	0.05383	0.05833	0.10979	0.28555	0.02529	0.0239	0.62092855	0.000985988	1.252E-07	0.002149884	0.036024	0.028107842	0.004004	0.00363013	0.68857
1808	494811.06	3859101.99	0.08427	0.02332	0.05281	0.05688	0.10897	0.36545	0.02485	0.0233	0.61523397	0.000962463	1.229E-07	0.002096441	0.035755	0.035972722	0.003935	0.00354351	0.690411
1809	494861.06	3859101.99	0.08354	0.02281	0.0519	0.05575	0.10737	0.41491	0.02451	0.0228	0.60990442	0.000941414	1.207E-07	0.002054792	0.03523	0.04084127	0.003881	0.00346602	0.689386
1810	494911.06	3859101.99	0.08235	0.0223	0.0509	0.0547	0.10467	0.46134	0.024	0.0223	0.60121653	0.000920366	1.184E-07	0.002016092	0.034344	0.045411563	0.0038	0.00338852	0.68432
1811	494961.06	3859101.99	0.08008	0.02158	0.04858	0.05288	0.10108	0.50731	0.02323	0.0216	0.58464383	0.00089065	1.13E-07	0.001949012	0.033166	0.049936576	0.003678	0.00327912	0.670985
1812	495011.06	3859101.99	0.07749	0.02087	0.04712	0.05061	0.09779	0.52643	0.0227	0.0209	0.5657349	0.000861347	1.096E-07	0.001865346	0.032086	0.051818635	0.003594	0.00317123	0.652789
1813	495061.06	3859101.99	0.07751	0.02087	0.04687	0.05078	0.09621	0.58371	0.02259	0.0209	0.56588091	0.000861347	1.09E-07	0.001871611	0.031568	0.057456937	0.003577	0.00317123	0.658044
1814	495111.06	3859101.99	0.07675	0.02071	0.04639	0.05058	0.0939	0.63886	0.0223	0.0207	0.56033235	0.000854743	1.079E-07	0.00186424	0.03081	0.062885575	0.003531	0.00314692	0.657131
1815	495161.06	3859101.99	0.07712	0.02081	0.04643	0.05095	0.09231	0.69291	0.02238	0.0208	0.56303362	0.00085887	1.08E-07	0.001877877	0.030288	0.068205935	0.003543	0.00316211	0.664646
1816	495211.06	3859101.99	0.07639	0.02067	0.04608	0.05069	0.09069	0.70844	0.02225	0.0207	0.55770408	0.000853092	1.072E-07	0.001868294	0.029757	0.069734616	0.003523	0.00314084	0.660299
1817	495261.06	3859101.99	0.0763	0.02068	0.04595	0.05114	0.08781	0.7422	0.0223	0.0207	0.55704701	0.000853505	1.069E-07	0.00188488	0.028812	0.07305775	0.003531	0.00314236	0.662043
1818	495311.06	3859101.99	0.07618	0.02061	0.04573	0.05086	0.08527	0.77811	0.02209	0.0206	0.55617092	0.000850616	1.064E-07	0.00187456	0.027978	0.076592516	0.003498	0.00313172	0.663833
1819	495361.06	3859101.99	0.07591	0.02059	0.04562	0.05133	0.0831	0.801	0.02213	0.0206	0.55419972	0.000849791	1.061E-07	0.001891883	0.027266	0.078845671	0.003504	0.00312869	0.663429
1820	495411.06	3859101.99	0.07565	0.02056	0.04535	0.05141	0.08247	0.8212	0.02205	0.0206	0.55230152	0.000848552	1.055E-07	0.001894832	0.02706	0.080834039	0.003491	0.00312413	0.663306
1821	495461.06	3859101.99	0.07527	0.02023	0.04456	0.0512	0.08234	0.8291	0.02175	0.0202	0.54952724	0.000834933	1.037E-07	0.001887092	0.027017	0.081611668	0.003444	0.00307398	0.661248
1822	495511.06	3859101.99	0.07484	0.02014	0.04424	0.05125	0.08125	0.84308	0.02166	0.0201	0.54638792	0.000831218	1.029E-07	0.001888934	0.026659	0.082987776	0.003429	0.00306031	0.659124
1823	495561.06	3859101.99	0.07364	0.02012	0.04369	0.05098	0.07963	0.83641	0.02146	0.0201	0.53762702	0.000830393	1.016E-07	0.001878983	0.026128	0.082331221	0.003398	0.00305727	0.649136
1824	495611.06	3859101.99	0.0726	0.01988	0.04318	0.05049	0.07918	0.8481	0.02132	0.0199	0.53003425	0.000820487	1.005E-07	0.001860923	0.02598	0.083481915	0.003376	0.0030208	0.642533
1825	495661.06	3859101.99	0.07234	0.01985	0.04289	0.05053	0.07918	0.92774	0.02136	0.0199	0.52813605	0.000819249	9.978E-08	0.001862397	0.02598	0.091321203	0.003382	0.00301624	0.648485

1826	494311.06	3859151.99	0.09138	0.02851	0.064	0.07432	0.12116	0.10622	0.02858	0.0285	0.66714228	0.001176665	1.489E-07	0.002739231	0.039754	0.010455664	0.004525	0.00433214	0.721461
1827	494361.06	3859151.99	0.09083	0.0284	0.06372	0.07435	0.12108	0.10966	0.02851	0.0284	0.66312687	0.001172125	1.482E-07	0.002740337	0.039728	0.010794278	0.004514	0.00431543	0.71776
1828	494411.06	3859151.99	0.09014	0.02815	0.06276	0.07331	0.11992	0.11714	0.02834	0.0282	0.65808935	0.001161807	1.46E-07	0.002702005	0.039347	0.011530564	0.004487	0.00427744	0.713041
1829	494461.06	3859151.99	0.08943	0.02787	0.06171	0.07146	0.1155	0.12785	0.02818	0.0279	0.65290582	0.001150251	1.436E-07	0.00263382	0.037897	0.012584793	0.004462	0.00423489	0.707399
1830	494511.06	3859151.99	0.08863	0.02717	0.06036	0.06922	0.1132	0.13685	0.02786	0.0272	0.64706522	0.00112136	1.404E-07	0.002551259	0.037142	0.013470699	0.004411	0.00412853	0.701634
1831	494561.06	3859151.99	0.08796	0.02683	0.05939	0.06782	0.11339	0.15132	0.02764	0.0268	0.64217372	0.001107328	1.382E-07	0.002499659	0.037205	0.01489504	0.004376	0.00407686	0.69818
1832	494611.06	3859151.99	0.08713	0.02622	0.05804	0.06542	0.11268	0.17479	0.02719	0.0262	0.6361141	0.001082152	1.35E-07	0.002411202	0.036972	0.017205287	0.004305	0.00398417	0.694106
1833	494661.06	3859151.99	0.08654	0.02588	0.05712	0.06416	0.10888	0.2088	0.02689	0.0259	0.63180666	0.001068119	1.329E-07	0.002364762	0.035725	0.020553029	0.004258	0.00393251	0.691843
1834	494711.06	3859151.99	0.08606	0.02561	0.05632	0.0631	0.10608	0.26687	0.02665	0.0256	0.6283023	0.001056976	1.31E-07	0.002325693	0.034806	0.026269094	0.00422	0.00389148	0.693089
1835	494761.06	3859151.99	0.08517	0.02492	0.05488	0.0609	0.10356	0.38178	0.02601	0.0249	0.62180464	0.001028498	1.277E-07	0.002244607	0.033979	0.03758015	0.004118	0.00378664	0.696969
1836	494811.06	3859151.99	0.08436	0.0244	0.05355	0.05912	0.10325	0.67403	0.02549	0.0244	0.61589103	0.001007037	1.246E-07	0.002179001	0.033878	0.066347501	0.004036	0.00370762	0.719631
1837	494861.06	3859151.99	0.08377	0.02388	0.05245	0.05799	0.10357	0.88712	0.02515	0.0239	0.61158359	0.000985575	1.22E-07	0.002137352	0.033983	0.087322812	0.003982	0.00362861	0.736366
1838	494911.06	3859151.99	0.08268	0.02316	0.05093	0.05618	0.10388	1.44311	0.02444	0.0232	0.60362578	0.00095586	1.185E-07	0.002070641	0.034084	0.142051157	0.00387	0.0035192	0.783138
1839	494961.06	3859151.99	0.08128	0.02232	0.0492	0.05438	0.10361	1.46601	0.02356	0.0223	0.59340473	0.000921191	1.145E-07	0.002004298	0.033996	0.144305297	0.00373	0.00339156	0.77497
1840	495011.06	3859151.99	0.07893	0.02154	0.04747	0.0527	0.1017	1.55618	0.02313	0.0215	0.57624798	0.000888999	1.104E-07	0.001942377	0.033369	0.153181095	0.003662	0.00327304	0.766019
1841	495061.06	3859151.99	0.0787	0.0215	0.04693	0.05229	0.10032	1.52818	0.02308	0.0215	0.5745688	0.000887348	1.092E-07	0.001927266	0.032916	0.150424942	0.003654	0.00326696	0.761112
1842	495111.06	3859151.99	0.07827	0.02139	0.04633	0.05174	0.0984	1.5539	0.02299	0.0214	0.57142948	0.000882808	1.078E-07	0.001906994	0.032286	0.152956665	0.00364	0.00325025	0.759852
1843	495161.06	3859151.99	0.0787	0.0216	0.04616	0.05215	0.09789	1.518	0.0229	0.0216	0.5745688	0.000891475	1.074E-07	0.001922106	0.032119	0.149422883	0.003626	0.00328216	0.759268
1844	495211.06	3859151.99	0.07835	0.02151	0.04563	0.052	0.09619	1.70558	0.02278	0.0215	0.57201354	0.000887761	1.062E-07	0.001916577	0.031561	0.167887142	0.003607	0.00326848	0.774605
1845	495261.06	3859151.99	0.07803	0.02143	0.04512	0.05177	0.09401	1.55369	0.02273	0.0214	0.5696773	0.000884459	1.05E-07	0.0019081	0.030846	0.152935994	0.003599	0.00325632	0.756594
1846	495311.06	3859151.99	0.07763	0.02142	0.04466	0.05161	0.09206	1.50584	0.02271	0.0214	0.566757	0.000884046	1.039E-07	0.001902203	0.030206	0.148225925	0.003596	0.00325481	0.748316
1847	495361.06	3859151.99	0.07707	0.02131	0.04417	0.05149	0.09013	1.58327	0.02268	0.0213	0.56266859	0.000879506	1.028E-07	0.00189778	0.029573	0.155847673	0.003591	0.00323809	0.751219
1848	495411.06	3859151.99	0.07717	0.0214	0.04406	0.05179	0.08966	1.47456	0.02277	0.0214	0.56339866	0.000883221	1.025E-07	0.001908837	0.029419	0.145146908	0.003605	0.00325177	0.74111
1849	495461.06	3859151.99	0.07664	0.02132	0.04361	0.05164	0.08665	1.5095	0.02266	0.0213	0.55952926	0.000879919	1.015E-07	0.001903309	0.028431	0.148586194	0.003588	0.00323961	0.739678
1850	495511.06	3859151.99	0.07553	0.0211	0.04264	0.05118	0.08329	1.50693	0.0224	0.0211	0.55142543	0.000870839	9.92E-08	0.001886354	0.027329	0.148333218	0.003547	0.00320618	0.730185
1851	495561.06	3859151.99	0.0747	0.0209	0.04212	0.05094	0.08083	1.4647	0.02221	0.0209	0.54536581	0.000862585	9.799E-08	0.001877509	0.026521	0.144176348	0.003517	0.00317579	0.719145
1852	495611.06	3859151.99	0.07409	0.0207	0.0417	0.05095	0.07986	1.40978	0.02204	0.0207	0.54091236	0.00085433	9.701E-08	0.001877877	0.026203	0.138770351	0.00349	0.0031454	0.708962
1853	495661.06	3859151.99	0.07347	0.02053	0.04125	0.05088	0.07965	1.31802	0.02177	0.0205	0.5363859	0.000847314	9.596E-08	0.001875297	0.026134	0.129738042	0.003447	0.00311957	0.695308
1854	494311.06	3859201.99	0.09211	0.02957	0.0656	0.0745	0.11588	0.11114	0.0292	0.0296	0.67247182	0.001220413	1.526E-07	0.002745866	0.038022	0.01093996	0.004623	0.00449321	0.72553
1855	494361.06	3859201.99	0.0916	0.02936	0.06446	0.07428	0.11805	0.11815	0.02904	0.0294	0.66874844	0.001211746	1.5E-07	0.002737757	0.038734	0.011629983	0.004598	0.0044613	0.723199
1856	494411.06	3859201.99	0.09106	0.02906	0.06313	0.07387	0.11512	0.12141	0.02881	0.0291	0.66480604	0.001199364	1.469E-07	0.002722645	0.037772	0.011950878	0.004562	0.00441572	0.718597
1857	494461.06	3859201.99	0.09034	0.0286	0.0617	0.07311	0.11684	0.12874	0.02856	0.0286	0.6595495	0.001180379	1.435E-07	0.002694634	0.038337	0.012672399	0.004522	0.00434582	0.71461
1858	494511.06	3859201.99	0.08969	0.02834	0.0606	0.07224	0.11683	0.13878	0.02835	0.0283	0.65480401	0.001169649	1.41E-07	0.002662568	0.038333	0.013660677	0.004489	0.00430631	0.710813
1859	494561.06	3859201.99	0.0889	0.02797	0.05905	0.07011	0.11585	0.15598	0.02793	0.028	0.64903642	0.001154378	1.374E-07	0.002584062	0.038012	0.015353743	0.004422	0.00425009	0.706313
1860	494611.06	3859201.99	0.08816	0.02742	0.05776	0.06861	0.1117	0.18025	0.02767	0.0274	0.64363387	0.001131678	1.344E-07	0.002528776	0.03665	0.017742737	0.004381	0.00416652	0.701902
1861	494661.06	3859201.99	0.08747	0.02701	0.05667	0.06769	0.10889	0.21371	0.02743	0.027	0.63859636	0.001114757	1.318E-07	0.002494868	0.035728	0.02103634	0.004343	0.00410421	0.69921
1862	494711.06	3859201.99	0.08676	0.02662	0.05534	0.06671	0.10927	0.27543	0.02716	0.0266	0.63341283	0.001098661	1.287E-07	0.002458748	0.035853	0.02711169	0.0043	0.00404495	0.70019
1863	494761.06	3859201.99	0.08584	0.02593	0.05334	0.06393	0.1074	0.40107	0.02661	0.0259	0.62669614	0.001070183	1.241E-07	0.002356284	0.035239	0.039478943	0.004213	0.00394011	0.705114
1864	494811.06	3859201.99	0.08495	0.0254	0.05184	0.06216	0.10304	0.64187	0.02613	0.0254	0.62019847	0.001048309	1.206E-07	0.002291047	0.033809	0.063181862	0.004137	0.00385957	0.720806
1865	494861.06	3859201.99	0.08402	0.02487	0.05045	0.0599	0.09718	0.78879	0.02534	0.0249	0.61340878	0.001026435	1.174E-07	0.00220775	0.031886	0.077643792	0.004012	0.00377904	0.726406
1866	494911.06	3859201.99	0.08269	0.02413	0.04886	0.05784	0.09668	0.58628	0.02477	0.0241	0.60369878	0.000995893	1.137E-07	0.002131824	0.031722	0.057709913	0.003922	0.00366659	0.696514
1867	494961.06	3859201.99	0.08141	0.02332	0.0473	0.05616	0.09686	0.49632	0.02399	0.0233	0.59435383	0.000962463	1.1E-07	0.002069903	0.031781	0.048854786	0.003798	0.00354351	0.678277
1868	495011.06	3859201.99	0.07962	0.02228	0.0456	0.05373	0.09563	0.49354	0.02333	0.0223	0.58128549	0.00091954	1.061E-07	0.00198034	0.031377	0.048581139	0.003694	0.00338548	0.664453
1869	495061.06	3859201.99	0.08005	0.02231	0.04585	0.05451	0.09639	0.49343	0.0236	0.0223	0.58442481	0.000920778	1.067E-07	0.002009089	0.031627	0.048570312	0.003737	0.00339004	0.667899
1870	495111.06	3859201.99	0.07997	0.02231	0.04547	0.05434	0.09832	0.48261	0.02353	0.0223	0.58384075	0.000920778	1.058E-07	0.002002823	0.03226	0.047505255	0.003726	0.00339004	0.666865
1871	495161.06	3859201.99	0.07979	0.02227	0.04503	0.05407	0.10031	0.48373	0.0235	0.0223	0.58252662	0.000919128	1.048E-07	0.001992872	0.032913	0.047615501	0.003721	0.00338396	0.666304
1872	495211.06	3859201.99	0.07906	0.02212	0.04455	0.05325	0.09977	0.48421	0.0233	0.0221	0.57719707	0.000912937	1.036E-07	0.001962649	0.032736	0.04766275	0.003689	0.00336117	0.660799
1873	495261.06	3859201.99	0.07875	0.02213	0.04437	0.05259	0.09875	0.48502	0.02319	0.0221	0.57493384	0.000913349	1.032E-07	0.001938323	0.032401	0.047742481	0.003672	0.00336269	0.658238
1874	495311.06	3859201.99	0.07842	0.02209	0.0441	0.05224	0.0971	0.48759	0.02318	0.0221	0.57252459	0.000911699	1.026E-07	0.001925423	0.03186	0.047995457	0.00367	0.00335661	0.655531
1875	495361.06	3859201.99	0.07826	0.02207	0.04387	0.05227	0.09595	0.48923	0.02319	0.0221	0.57135647	0.000910873	1.021E-07	0.001926529	0.031482	0.048156889	0.003672	0.00335357	0.654151
1876	495411.06	3859201.99	0.07836	0.02215	0.04386	0.05264	0.09405	0.48347	0.02331	0.0222	0.57208655	0.000914175	1.02E-07	0.001940166	0.030859	0.047589909	0.003691	0.00336573	0.653715
1877	495461.06	3859201.99	0.07783	0.02205	0.04357	0.05251	0.09235	0.48252	0.02324	0.0221	0.56821715	0.000910048	1.014E-07	0.001935375	0.030301	0.047496396	0.00368	0.00335053	0.649189
1878	495511.06	3859201.99	0.07727	0.02192	0.04315	0.05261	0.08993	0.48088	0.02306	0.0219	0.56412873	0.000904682	1.004E-07	0.00193906	0.029507	0.047334964	0.003651	0.00333078	0.644135
1879	495561.06	3859201.99	0.07614	0.02167	0.04237	0.05205	0.08789	0.49456	0.02278	0.0217	0.55587889	0.000894364	9.857E-08	0.00191842	0.028838	0.048681542	0.003607	0.00329279	0.636525
1880	495611.06	3859201.99	0.07514	0.02143	0.04179	0.05179	0.08677	0.48307	0.02256	0.0214	0.54857814	0.000884459	9.722E-08	0.001908837	0.02847	0.047550535	0.003572	0.00325632	0.627708
1881	495661.06	3859201.99	0.07435	0.02127	0.04136	0.05173	0.08402	0.46132	0.02241	0.0213	0.54281055	0.000877856	9.622E-08	0.001906626	0.027568	0.045409594	0.003548	0.00323201	0.618889
1882	494311.06	3859251.99	0.09201	0.03077	0.07036	0.07624	0.10921	0.11932	0.03034	0.0308	0.67174175	0.00126994	1.637E-07	0.002809997	0.035833	0.01174515	0.004804	0.00467555	0.723529
1883	494361.06	3859251.99	0.09143	0.03037	0.06876	0.07574	0.10975	0.12891	0.02996	0.0304	0.66750732	0.001253431	1.6E-07	0.002791569	0.03601	0.012689133	0.004744	0.00461477	0.720381
1884	494411.06	3859251.99	0.09082	0.02983	0.06652	0.07404	0.10907	0.12814	0.0294	0.0298	0.66305386	0.001231144	1.548E-07	0.002728911	0.035787	0.012613339	0.004655	0.00453272	0.715537

1885	494461.06	3859251.99	0.09045	0.02953	0.06483	0.0732	0.10894	0.13542	0.02904	0.0295	0.66035258	0.001218762	1.508E-07	0.002697951	0.035745	0.013329939	0.004598	0.00448713	0.713455
1886	494511.06	3859251.99	0.08983	0.02901	0.06222	0.07152	0.10983	0.14432	0.02865	0.029	0.65582612	0.001197301	1.447E-07	0.002636031	0.036037	0.014206002	0.004536	0.00440812	0.71003
1887	494561.06	3859251.99	0.08925	0.02869	0.06084	0.07087	0.1106	0.15709	0.02836	0.0287	0.65159169	0.001184094	1.415E-07	0.002612074	0.036289	0.015463004	0.00449	0.00435949	0.707271
1888	494611.06	3859251.99	0.08862	0.02829	0.05906	0.06984	0.1117	0.18585	0.02796	0.0283	0.64699222	0.001167585	1.374E-07	0.002574111	0.03665	0.018293968	0.004427	0.00429871	0.705807
1889	494661.06	3859251.99	0.08807	0.02816	0.05823	0.06931	0.11313	0.23108	0.02777	0.0282	0.6429768	0.00116222	1.355E-07	0.002554576	0.037119	0.02274614	0.004397	0.00427896	0.706677
1890	494711.06	3859251.99	0.08743	0.02783	0.05721	0.06843	0.11237	0.29042	0.0275	0.0278	0.63830433	0.0011486	1.331E-07	0.002522142	0.03687	0.028587216	0.004354	0.00422882	0.707558
1891	494761.06	3859251.99	0.08642	0.02637	0.0552	0.06514	0.10815	0.39236	0.02652	0.0264	0.63093057	0.001088343	1.284E-07	0.002400882	0.035485	0.038621583	0.004199	0.00400697	0.708719
1892	494811.06	3859251.99	0.08576	0.02647	0.05451	0.06527	0.10483	0.63325	0.02668	0.0265	0.62611208	0.00109247	1.268E-07	0.002405673	0.034396	0.06233336	0.004224	0.00402216	0.726542
1893	494861.06	3859251.99	0.08468	0.02545	0.05206	0.0613	0.10217	0.76468	0.02549	0.0255	0.61822727	0.001050372	1.211E-07	0.00225935	0.033523	0.075270547	0.004036	0.00386717	0.7305
1894	494911.06	3859251.99	0.08338	0.02497	0.05037	0.05921	0.09741	0.51904	0.02506	0.025	0.6087363	0.001030562	1.172E-07	0.002182318	0.031962	0.051091208	0.003968	0.00379423	0.695176
1895	494961.06	3859251.99	0.08248	0.02458	0.04945	0.05845	0.09298	0.39623	0.02468	0.0246	0.60216563	0.001014466	1.15E-07	0.002154307	0.030508	0.039002522	0.003908	0.00373497	0.675018
1896	495011.06	3859251.99	0.08144	0.02395	0.04854	0.05718	0.08979	0.34222	0.02426	0.024	0.59457285	0.000988464	1.129E-07	0.002107498	0.029461	0.033686099	0.003841	0.00363924	0.661018
1897	495061.06	3859251.99	0.08115	0.02368	0.04812	0.05735	0.09194	0.33587	0.0243	0.0237	0.59245563	0.000977321	1.119E-07	0.002113764	0.030167	0.033061043	0.003847	0.00359822	0.659024
1898	495111.06	3859251.99	0.08073	0.02327	0.04729	0.0569	0.09332	0.32413	0.02418	0.0233	0.58938932	0.0009604	1.1E-07	0.002097178	0.03062	0.031905428	0.003828	0.00353592	0.655265
1899	495161.06	3859251.99	0.08047	0.0231	0.0466	0.05687	0.09441	0.32474	0.02409	0.0231	0.58749113	0.000953383	1.084E-07	0.002096072	0.030977	0.031965472	0.003814	0.00351008	0.653787
1900	495211.06	3859251.99	0.07999	0.02294	0.04576	0.05651	0.09441	0.32744	0.02392	0.0229	0.58398677	0.00094678	1.065E-07	0.002082804	0.030977	0.032231244	0.003787	0.00348577	0.650526
1901	495261.06	3859251.99	0.07989	0.02285	0.04513	0.05649	0.09561	0.32281	0.02375	0.0229	0.58325669	0.000943065	1.05E-07	0.002082066	0.031371	0.031775495	0.00376	0.0034721	0.649717
1902	495311.06	3859251.99	0.07958	0.02293	0.04461	0.05667	0.0976	0.32218	0.02376	0.0229	0.58099346	0.000946367	1.038E-07	0.002088701	0.032024	0.031713481	0.003762	0.00348425	0.648044
1903	495361.06	3859251.99	0.0791	0.02285	0.04411	0.05573	0.09872	0.31286	0.02371	0.0229	0.5774891	0.000943065	1.026E-07	0.002054055	0.032391	0.030796076	0.003754	0.0034721	0.643956
1904	495411.06	3859251.99	0.07869	0.02291	0.04385	0.05551	0.09833	0.30649	0.0238	0.0229	0.5744958	0.000945542	1.02E-07	0.002045946	0.032263	0.030169051	0.003768	0.00348121	0.640207
1905	495461.06	3859251.99	0.07798	0.02274	0.0433	0.05458	0.09726	0.30952	0.02374	0.0227	0.56931227	0.000938525	1.007E-07	0.002011669	0.031912	0.030467306	0.003759	0.00345538	0.634946
1906	495511.06	3859251.99	0.07695	0.02242	0.04237	0.05332	0.09528	0.30785	0.02351	0.0224	0.5617925	0.000925318	9.857E-08	0.001965229	0.031263	0.030302921	0.003722	0.00340676	0.626564
1907	495561.06	3859251.99	0.07615	0.02228	0.042	0.05305	0.09338	0.30361	0.02339	0.0223	0.5559519	0.00091954	9.771E-08	0.001955277	0.030639	0.029885561	0.003703	0.00338548	0.61967
1908	495611.06	3859251.99	0.0753	0.02207	0.04151	0.05262	0.0912	0.30287	0.0231	0.0221	0.54974626	0.000910873	9.657E-08	0.001939429	0.029924	0.02981272	0.003657	0.00335357	0.612637
1909	495661.06	3859251.99	0.07476	0.0219	0.04108	0.05244	0.08931	0.29542	0.0229	0.0219	0.54580386	0.000903857	9.557E-08	0.001932795	0.029304	0.029079386	0.003626	0.00332774	0.607322
1910	494311.06	3859301.99	0.09172	0.03224	0.07235	0.07876	0.09719	0.12894	0.03136	0.0322	0.66962453	0.001330609	1.683E-07	0.002902877	0.031889	0.012692086	0.004965	0.00489892	0.718506
1911	494361.06	3859301.99	0.0911	0.03168	0.07085	0.07755	0.10069	0.13331	0.03093	0.0317	0.66509807	0.001307497	1.648E-07	0.00285828	0.033038	0.013122243	0.004897	0.00481383	0.715507
1912	494411.06	3859301.99	0.09045	0.03105	0.0688	0.07586	0.10352	0.1426	0.03037	0.0311	0.66035258	0.001281496	1.601E-07	0.002795991	0.033966	0.014036695	0.004809	0.0047181	0.712524
1913	494461.06	3859301.99	0.08981	0.03044	0.06661	0.07429	0.10368	0.14941	0.02983	0.0304	0.6556801	0.00125632	1.55E-07	0.002738126	0.034019	0.014707031	0.004723	0.00462541	0.708498
1914	494511.06	3859301.99	0.08918	0.0299	0.06503	0.07298	0.10359	0.15438	0.02938	0.0299	0.65108063	0.001234033	1.513E-07	0.002689843	0.033989	0.015196248	0.004652	0.00454336	0.704299
1915	494561.06	3859301.99	0.08879	0.02959	0.06332	0.0719	0.10333	0.17444	0.02896	0.0296	0.64823334	0.001221239	1.473E-07	0.002650037	0.033904	0.017170835	0.004585	0.00449625	0.703269
1916	494611.06	3859301.99	0.08821	0.02923	0.06144	0.07053	0.1028	0.20185	0.02856	0.0292	0.64399891	0.001206381	1.429E-07	0.002599542	0.03373	0.019868912	0.004522	0.00444155	0.701484
1917	494661.06	3859301.99	0.08762	0.02889	0.05979	0.06978	0.10263	0.24447	0.02828	0.0289	0.63969147	0.001192348	1.391E-07	0.002571899	0.033674	0.024064171	0.004478	0.00438988	0.701282
1918	494711.06	3859301.99	0.08699	0.02847	0.05812	0.06864	0.10391	0.293	0.02792	0.0285	0.635092	0.001175014	1.352E-07	0.002529882	0.034094	0.028841176	0.004421	0.00432606	0.701827
1919	494761.06	3859301.99	0.08636	0.02809	0.05664	0.06791	0.10434	0.39981	0.02755	0.0281	0.63049253	0.001159331	1.318E-07	0.002502976	0.034235	0.039354916	0.004362	0.00426832	0.707839
1920	494811.06	3859301.99	0.08536	0.02728	0.05476	0.06628	0.10816	0.61484	0.02705	0.0273	0.62319178	0.0011259	1.274E-07	0.002442899	0.035489	0.060521189	0.004283	0.00414524	0.722908
1921	494861.06	3859301.99	0.08412	0.02621	0.05238	0.06354	0.10804	0.58851	0.02613	0.0262	0.61413885	0.001081739	1.219E-07	0.00234191	0.035449	0.057929421	0.004137	0.00398265	0.711096
1922	494911.06	3859301.99	0.08337	0.02584	0.05116	0.06244	0.10544	0.51513	0.02575	0.0258	0.60866329	0.001066469	1.19E-07	0.002301367	0.034596	0.050706331	0.004077	0.00392643	0.697484
1923	494961.06	3859301.99	0.08227	0.02514	0.0487	0.05845	0.09872	0.37377	0.02477	0.0251	0.60063247	0.001037578	1.133E-07	0.002154307	0.032391	0.036791694	0.003922	0.00382007	0.673109
1924	495011.06	3859301.99	0.08155	0.02491	0.04765	0.05786	0.09577	0.32006	0.02448	0.0249	0.59537593	0.001028086	1.109E-07	0.002132561	0.031423	0.031504801	0.003876	0.00378512	0.661556
1925	495061.06	3859301.99	0.0816	0.02485	0.04811	0.0594	0.09627	0.30475	0.02467	0.0249	0.59574097	0.001025609	1.119E-07	0.002189321	0.031587	0.029997776	0.003906	0.003776	0.660671
1926	495111.06	3859301.99	0.08089	0.02429	0.04698	0.05835	0.09242	0.27641	0.02444	0.0243	0.59055744	0.001002497	1.093E-07	0.002150621	0.030324	0.027208155	0.00387	0.00369091	0.651422
1927	495161.06	3859301.99	0.08058	0.02399	0.04682	0.05853	0.08981	0.26652	0.02453	0.024	0.58829421	0.000990115	1.089E-07	0.002157255	0.029468	0.026234642	0.003884	0.00364532	0.647383
1928	495211.06	3859301.99	0.08041	0.02381	0.04665	0.05946	0.08971	0.26464	0.02464	0.0238	0.58705308	0.000982686	1.085E-07	0.002191532	0.029435	0.026049586	0.003901	0.00361797	0.645995
1929	495261.06	3859301.99	0.07994	0.02378	0.0463	0.05987	0.09023	0.25939	0.02448	0.0238	0.58362173	0.000981448	1.077E-07	0.002206644	0.029606	0.025532807	0.003876	0.00361341	0.642211
1930	495311.06	3859301.99	0.07899	0.02358	0.04548	0.05906	0.0914	0.24794	0.02429	0.0236	0.57668602	0.000973194	1.058E-07	0.00217679	0.02999	0.024405738	0.003846	0.00358302	0.634494
1931	495361.06	3859301.99	0.07843	0.02357	0.04496	0.05941	0.09236	0.24556	0.02421	0.0236	0.5725976	0.000972781	1.046E-07	0.00218969	0.030305	0.024171465	0.003833	0.0035815	0.630488
1932	495411.06	3859301.99	0.07774	0.0235	0.04428	0.05928	0.09288	0.24504	0.02419	0.0235	0.56756009	0.000969892	1.03E-07	0.002184898	0.030475	0.024120279	0.00383	0.00357086	0.62557
1933	495461.06	3859301.99	0.07709	0.02346	0.04387	0.05888	0.09462	0.241	0.02419	0.0235	0.5628146	0.000968241	1.021E-07	0.002170155	0.031046	0.023722605	0.00383	0.00356479	0.620987
1934	495511.06	3859301.99	0.07637	0.02317	0.04303	0.05765	0.09594	0.23802	0.02402	0.0232	0.55755806	0.000956272	1.001E-07	0.002124821	0.031479	0.023429272	0.003803	0.00352072	0.61583
1935	495561.06	3859301.99	0.07556	0.02274	0.04185	0.0556	0.096	0.23193	0.0237	0.0227	0.55164446	0.000938525	9.736E-08	0.002049263	0.031499	0.022829808	0.003752	0.00345538	0.609258
1936	495611.06	3859301.99	0.07501	0.02258	0.04142	0.05453	0.09507	0.2366	0.0236	0.0226	0.54762905	0.000931922	9.636E-08	0.002009826	0.031194	0.023289495	0.003737	0.00343107	0.60536
1937	495661.06	3859301.99	0.07446	0.02244	0.04093	0.0537	0.09374	0.22399	0.0234	0.0224	0.54361364	0.000926144	9.522E-08	0.001979235	0.030757	0.022048242	0.003705	0.0034098	0.59962
1938	494311.06	3859351.99	0.09107	0.03389	0.06791	0.08032	0.09327	0.14672	0.0321	0.0339	0.66487905	0.001398708	1.58E-07	0.002960375	0.030603	0.014442243	0.005082	0.00514964	0.714216
1939	494361.06	3859351.99	0.0906	0.03304	0.06628	0.07917	0.08778	0.15662	0.03151	0.033	0.66144769	0.001363627	1.542E-07	0.002917989	0.028802	0.01541674	0.004989	0.00502048	0.709917
1940	494411.06	3859351.99	0.08986	0.03205	0.0644	0.07737	0.08735	0.1612	0.03082	0.0321	0.65604514	0.001322768	1.498E-07	0.002851646	0.028661	0.015867568	0.00488	0.00487005	0.704758
1941	494461.06	3859351.99	0.0892	0.03135	0.06314	0.07561	0.08944	0.16374	0.03037	0.0314	0.65122665	0.001293877	1.469E-07	0.002786777	0.029346	0.016117591	0.004809	0.00476369	0.700816
1942	494511.06	3859351.99	0.08863	0.03084	0.06205	0.0741	0.09286	0.16818	0.0301	0.0308	0.64706522	0.001272829	1.444E-07	0.002731123	0.030469	0.016554638	0.004766	0.00468619	0.698172
1943	494561.06	3859351.99	0.0881	0.03054	0.0613	0.07305	0.09675	0.19855	0.02988	0.0305	0.64319583	0.001260447	1.426E-07	0.002692423	0.031745	0.01954408	0.004731	0.0046406	0.698528

1944	494611.06	3859351.99	0.08732	0.03016	0.0605	0.07152	0.0989	0.23874	0.02944	0.0302
1945	494661.06	3859351.99	0.08651	0.02977	0.05946	0.07028	0.09849	0.26213	0.02892	0.0298
1946	494711.06	3859351.99	0.08587	0.02928	0.05793	0.06867	0.0976	0.30273	0.02824	0.0293
1947	494761.06	3859351.99	0.08519	0.02841	0.05588	0.06581	0.0965	0.39773	0.02756	0.0284
1948	494811.06	3859351.99	0.08423	0.0275	0.05351	0.06355	0.09464	0.6265	0.0269	0.0275
1949	494861.06	3859351.99	0.08365	0.02709	0.05246	0.06297	0.09463	0.71295	0.02664	0.0271
1950	494911.06	3859351.99	0.08315	0.02685	0.05165	0.06283	0.09595	0.52903	0.02647	0.0269
1951	494961.06	3859351.99	0.08252	0.02642	0.05047	0.06203	0.09795	0.3927	0.02608	0.0264
1952	495011.06	3859351.99	0.08198	0.02617	0.0495	0.06148	0.10234	0.32957	0.02584	0.0262
1953	495061.06	3859351.99	0.08178	0.02634	0.04921	0.06262	0.10465	0.30228	0.02607	0.0263
1954	495111.06	3859351.99	0.08111	0.02581	0.04812	0.06205	0.1011	0.28421	0.02578	0.0258
1955	495161.06	3859351.99	0.08032	0.0254	0.04738	0.062	0.09874	0.26439	0.02564	0.0254
1956	495211.06	3859351.99	0.07951	0.02498	0.04664	0.06189	0.09635	0.24326	0.02547	0.025
1957	495261.06	3859351.99	0.0788	0.02468	0.04618	0.06235	0.09527	0.23535	0.02546	0.0247
1958	495311.06	3859351.99	0.07793	0.0244	0.04548	0.06187	0.09227	0.22583	0.02511	0.0244
1959	495361.06	3859351.99	0.0774	0.02428	0.04493	0.06182	0.08996	0.21681	0.02491	0.0243
1960	495411.06	3859351.99	0.07693	0.02422	0.0445	0.06157	0.08812	0.21383	0.02485	0.0242
1961	495461.06	3859351.99	0.07651	0.02421	0.04419	0.06155	0.08855	0.21173	0.02487	0.0242
1962	495511.06	3859351.99	0.07582	0.02387	0.04358	0.06005	0.08948	0.20396	0.02456	0.0239
1963	495561.06	3859351.99	0.0752	0.02353	0.0431	0.05911	0.08985	0.20548	0.02434	0.0235
1964	495611.06	3859351.99	0.07464	0.02324	0.04267	0.05825	0.09013	0.20388	0.02422	0.0232
1965	495661.06	3859351.99	0.07392	0.02294	0.04197	0.05658	0.09119	0.19582	0.0239	0.0229
1966	494311.06	3859401.99	0.09007	0.03583	0.06821	0.08254	0.10503	0.17489	0.03393	0.0358
1967	494361.06	3859401.99	0.08972	0.0346	0.06678	0.08081	0.10259	0.1813	0.0329	0.0346
1968	494411.06	3859401.99	0.08934	0.03338	0.06488	0.0784	0.09503	0.18857	0.03173	0.0334
1969	494461.06	3859401.99	0.08889	0.03251	0.06392	0.07682	0.08854	0.19555	0.03109	0.0325
1970	494511.06	3859401.99	0.08823	0.03215	0.06345	0.07607	0.08483	0.2132	0.03078	0.0322
1971	494561.06	3859401.99	0.08731	0.03173	0.06258	0.07504	0.08336	0.23726	0.03052	0.0317
1972	494611.06	3859401.99	0.08657	0.0312	0.06163	0.07314	0.08467	0.25995	0.0301	0.0312
1973	494661.06	3859401.99	0.08595	0.03088	0.0612	0.07184	0.08731	0.28768	0.02983	0.0309
1974	494711.06	3859401.99	0.08532	0.03047	0.06022	0.07053	0.09065	0.32781	0.02944	0.0305
1975	494761.06	3859401.99	0.08486	0.02943	0.0572	0.06798	0.09289	0.40348	0.02799	0.0294
1976	494811.06	3859401.99	0.08414	0.02904	0.05636	0.06616	0.09257	0.59282	0.02778	0.029
1977	494861.06	3859401.99	0.08338	0.02826	0.05411	0.06353	0.09083	0.71809	0.0272	0.0283
1978	494911.06	3859401.99	0.0829	0.02762	0.05282	0.06237	0.09057	0.53088	0.02663	0.0276
1979	494961.06	3859401.99	0.0822	0.02758	0.05188	0.06209	0.09121	0.39897	0.02658	0.0276
1980	495011.06	3859401.99	0.08151	0.02743	0.05116	0.06218	0.09117	0.34414	0.02648	0.0274
1981	495061.06	3859401.99	0.08062	0.02716	0.05065	0.06237	0.09311	0.31772	0.02623	0.0272
1982	495111.06	3859401.99	0.07958	0.02685	0.04979	0.06191	0.09347	0.27915	0.02596	0.0269
1983	495161.06	3859401.99	0.07895	0.0267	0.04914	0.06236	0.09843	0.25629	0.02611	0.0267
1984	495211.06	3859401.99	0.07845	0.02639	0.04857	0.06267	0.10203	0.25254	0.02609	0.0264
1985	495261.06	3859401.99	0.07788	0.02592	0.04798	0.06266	0.10093	0.24741	0.02595	0.0259
1986	495311.06	3859401.99	0.0773	0.02545	0.04749	0.06265	0.09747	0.22995	0.02577	0.0255
1987	495361.06	3859401.99	0.07683	0.02529	0.04729	0.06326	0.09617	0.22472	0.02576	0.0253
1988	495411.06	3859401.99	0.0763	0.02516	0.04685	0.06337	0.09536	0.21496	0.02547	0.0252
1989	495461.06	3859401.99	0.07571	0.02493	0.04617	0.063	0.09339	0.19566	0.02531	0.0249
1990	495511.06	3859401.99	0.07505	0.0246	0.04531	0.06181	0.08945	0.19186	0.02501	0.0246
1991	495561.06	3859401.99	0.07433	0.02421	0.04436	0.06009	0.08661	0.18908	0.02468	0.0242
1992	495611.06	3859401.99	0.07375	0.02391	0.04373	0.05918	0.08455	0.18649	0.02452	0.0239
1993	495661.06	3859401.99	0.07319	0.02364	0.0431	0.05868	0.08572	0.17598	0.0244	0.0236
1994	494311.06	3859451.99	0.0893	0.03705	0.067	0.08487	0.11662	0.21825	0.0351	0.0371
1995	494361.06	3859451.99	0.08902	0.03607	0.0659	0.08227	0.10968	0.24188	0.03408	0.0361
1996	494411.06	3859451.99	0.0886	0.03461	0.06453	0.07968	0.10334	0.25462	0.03252	0.0346
1997	494461.06	3859451.99	0.08783	0.03418	0.0638	0.07905	0.10209	0.2804	0.03223	0.0342
1998	494511.06	3859451.99	0.0871	0.03339	0.06282	0.07753	0.09722	0.28659	0.03152	0.0334
1999	494561.06	3859451.99	0.08634	0.03275	0.06176	0.07636	0.09082	0.2974	0.03114	0.0328
2000	494611.06	3859451.99	0.08568	0.0325	0.06099	0.07608	0.08554	0.32976	0.03101	0.0325
2001	494661.06	3859451.99	0.08509	0.03177	0.05969	0.07404	0.08217	0.35203	0.03055	0.0318
2002	494711.06	3859451.99	0.08452	0.03122	0.05804	0.07236	0.08071	0.39047	0.03	0.0312

0.63750124	0.001244764	1.407E-07	0.002636031	0.03245	0.023500144	0.004661	0.00458286	0.697411
0.63158764	0.001228668	1.383E-07	0.002590328	0.032316	0.025802517	0.004579	0.0045236	0.693581
0.62691516	0.001208444	1.348E-07	0.002530988	0.032024	0.029798939	0.004471	0.00444915	0.6925
0.62195065	0.001172538	1.3E-07	0.002425576	0.031663	0.039150173	0.004364	0.00431695	0.696409
0.61494194	0.00113498	1.245E-07	0.002342279	0.031053	0.06166893	0.004259	0.00417867	0.711221
0.6107075	0.001118059	1.22E-07	0.002320901	0.031049	0.070178554	0.004218	0.00411637	0.715476
0.60705713	0.001108153	1.202E-07	0.002315741	0.031482	0.052074564	0.004191	0.0040799	0.694149
0.60245766	0.001090406	1.174E-07	0.002286256	0.032139	0.03865505	0.004129	0.00401456	0.676743
0.59851525	0.001080088	1.152E-07	0.002265984	0.033579	0.032440909	0.004091	0.00397658	0.667996
0.5970551	0.001087105	1.145E-07	0.002308001	0.034337	0.029754644	0.004128	0.00400241	0.664667
0.5921636	0.00106523	1.119E-07	0.002286993	0.033172	0.02797594	0.004082	0.00392187	0.656824
0.58639601	0.001048309	1.102E-07	0.00228515	0.032398	0.026024978	0.00406	0.00385957	0.648353
0.58048241	0.001030975	1.085E-07	0.002281096	0.031614	0.023945066	0.004033	0.00379575	0.63959
0.57529888	0.001018593	1.074E-07	0.00229805	0.031259	0.023166453	0.004031	0.00375017	0.633322
0.56894723	0.001007037	1.058E-07	0.002280358	0.030275	0.022229361	0.003976	0.00370762	0.625007
0.56507783	0.001002084	1.045E-07	0.002278516	0.029517	0.021341486	0.003944	0.00368939	0.619472
0.56164648	0.000999608	1.035E-07	0.002269301	0.028913	0.021048152	0.003935	0.00368027	0.615131
0.55858017	0.000999195	1.028E-07	0.002268564	0.029054	0.020841441	0.003938	0.00367875	0.612003
0.55354265	0.000985163	1.014E-07	0.002213278	0.02936	0.020076608	0.003889	0.00362709	0.606439
0.54901619	0.00097113	1.003E-07	0.002178632	0.029481	0.020226228	0.003854	0.00357542	0.602152
0.54492777	0.000959161	9.927E-08	0.002146935	0.029573	0.020068733	0.003835	0.00353136	0.597979
0.53967123	0.00094678	9.764E-08	0.002085384	0.029921	0.019275355	0.003784	0.00348577	0.592198
0.6575783	0.001478776	1.587E-07	0.003042198	0.034462	0.01721513	0.005372	0.00544443	0.713704
0.65502304	0.001428011	1.554E-07	0.002978435	0.033661	0.017846093	0.005209	0.00525753	0.710888
0.65224875	0.001377659	1.509E-07	0.002889609	0.031181	0.018561708	0.005024	0.00507215	0.70621
0.64896342	0.001341753	1.487E-07	0.002831374	0.029051	0.019248778	0.004923	0.00493995	0.701419
0.64414492	0.001326895	1.476E-07	0.002803731	0.027834	0.020986139	0.004873	0.00488525	0.697084
0.63742824	0.001309561	1.456E-07	0.002765768	0.027352	0.023354462	0.004832	0.00482143	0.692221
0.63202568	0.001287687	1.434E-07	0.00269574	0.027781	0.02558793	0.004766	0.00474089	0.689403
0.62749922	0.001274479	1.424E-07	0.002647825	0.028648	0.028317507	0.004723	0.00469227	0.688418
0.62289975	0.001257558	1.401E-07	0.002599542	0.029743	0.032267665	0.004661	0.00462997	0.688799
0.61954141	0.001214635	1.331E-07	0.002505556	0.030478	0.039716169	0.004432	0.00447194	0.693416
0.61428487	0.001198539	1.311E-07	0.002438476	0.030373	0.058353672	0.004398	0.00441268	0.706635
0.6087363	0.001166347	1.259E-07	0.002341541	0.029803	0.070684505	0.004307	0.00429415	0.712744
0.60523194	0.001139933	1.229E-07	0.002298787	0.029717	0.052256667	0.004216	0.00419691	0.690664
0.60012142	0.001138282	1.207E-07	0.002288467	0.029927	0.039272232	0.004208	0.00419083	0.672765
0.5950839	0.001132091	1.19E-07	0.002291784	0.029914	0.033875093	0.004193	0.00416803	0.662322
0.58858624	0.001120948	1.178E-07	0.002298787	0.030551	0.031274465	0.004153	0.00412701	0.653857
0.58099346	0.001108153	1.158E-07	0.002281833	0.030669	0.027477864	0.00411	0.0040799	0.642561
0.57639399	0.001101963	1.143E-07	0.002298418	0.032296	0.025227662	0.004134	0.00405711	0.637395
0.57274362	0.001089168	1.13E-07	0.002309844	0.033477	0.024858534	0.004131	0.00401	0.6346
0.56858219	0.00106977	1.116E-07	0.002309476	0.033116	0.024353568	0.004109	0.00393859	0.629602
0.56434776	0.001050372	1.105E-07	0.002309107	0.031981	0.022634909	0.00408	0.00386717	0.622537
0.56091641	0.001043769	1.1E-07	0.00233159	0.031555	0.022120099	0.004079	0.00384286	0.618202
0.55704701	0.001038404	1.09E-07	0.002335644	0.031289	0.021159383	0.004033	0.0038231	0.613079
0.55273957	0.001028911	1.074E-07	0.002322007	0.030643	0.019259606	0.004007	0.00378816	0.606212
0.54792108	0.001015291	1.054E-07	0.002278147	0.02935	0.018885556	0.00396	0.00373801	0.599672
0.54266454	0.000999195	1.032E-07	0.002214753	0.028418	0.01861191	0.003908	0.00367875	0.593137
0.5384301	0.000986814	1.017E-07	0.002181212	0.027742	0.018356965	0.003882	0.00363316	0.587946
0.53434169	0.00097567	1.003E-07	0.002162784	0.028126	0.017322424	0.003863	0.00359214	0.5832
0.65195672	0.001529128	1.559E-07	0.003128075	0.038265	0.021483231	0.005557	0.00562981	0.71629
0.64991251	0.001488681	1.533E-07	0.003032246	0.035987	0.023809227	0.005396	0.0054809	0.714145
0.6468462	0.001428424	1.501E-07	0.002936786	0.033907	0.025063277	0.005149	0.00525905	0.710072
0.64122463	0.001410677	1.484E-07	0.002913566	0.033497	0.027600907	0.005103	0.00519371	0.706556
0.63589508	0.001378072	1.461E-07	0.002857543	0.031899	0.028210213	0.004991	0.00507367	0.700157
0.63034651	0.001351658	1.437E-07	0.00281442	0.029799	0.029274286	0.00493	0.00497642	0.69354
0.62552802	0.00134134	1.419E-07	0.0028041	0.028067	0.032459611	0.00491	0.00493843	0.690171
0.62122058	0.001311212	1.389E-07	0.002728911	0.026961	0.034651737	0.004837	0.0048275	0.686883
0.61705915	0.001288512	1.35E-07	0.002666991	0.026482	0.038435542	0.00475	0.00474393	0.685938

2003	494761.06	3859451.99	0.08392	0.03076	0.05687	0.07088	0.0805	0.45617	0.02958	0.0308	0.6126787	0.001269527	1.323E-07	0.002612442	0.026413	0.044902659	0.004683	0.00467403	0.687886
2004	494811.06	3859451.99	0.08306	0.03016	0.0561	0.06862	0.08115	0.61633	0.02886	0.0302	0.60640006	0.001244764	1.305E-07	0.002529145	0.026626	0.060667856	0.004569	0.00458286	0.697455
2005	494861.06	3859451.99	0.08243	0.02955	0.05484	0.0669	0.08286	0.62053	0.02819	0.0296	0.60180059	0.001219588	1.276E-07	0.00246575	0.027187	0.061081279	0.004463	0.00449017	0.693728
2006	494911.06	3859451.99	0.08173	0.02912	0.05394	0.06565	0.08629	0.57795	0.02781	0.0291	0.59669007	0.001201841	1.255E-07	0.002419679	0.028313	0.056889957	0.004403	0.00442483	0.685493
2007	494961.06	3859451.99	0.08123	0.02891	0.05354	0.06507	0.08845	0.47009	0.02764	0.0289	0.59303969	0.001193174	1.246E-07	0.002398302	0.029022	0.046272861	0.004376	0.00439292	0.671909
2008	495011.06	3859451.99	0.08066	0.02855	0.05272	0.06445	0.08844	0.39734	0.02739	0.0286	0.58887827	0.001178316	1.226E-07	0.00237545	0.029018	0.039111784	0.004337	0.00433822	0.660561
2009	495061.06	3859451.99	0.07985	0.02823	0.05199	0.06385	0.08794	0.36646	0.02709	0.0282	0.58296466	0.001165109	1.209E-07	0.002353336	0.028854	0.036072141	0.004289	0.0042896	0.651409
2010	495111.06	3859451.99	0.07904	0.02794	0.05113	0.06325	0.08888	0.338	0.0268	0.0279	0.57705106	0.00115314	1.189E-07	0.002331221	0.029163	0.033270708	0.004243	0.00424553	0.642967
2011	495161.06	3859451.99	0.07829	0.02786	0.05065	0.06321	0.08878	0.309	0.02671	0.0279	0.5715755	0.001149838	1.178E-07	0.002329747	0.02913	0.03041612	0.004229	0.00423337	0.634597
2012	495211.06	3859451.99	0.07764	0.02773	0.05023	0.06367	0.09019	0.28221	0.0267	0.0277	0.56683001	0.001144473	1.169E-07	0.002346701	0.029593	0.027779072	0.004227	0.00421362	0.627707
2013	495261.06	3859451.99	0.07709	0.02737	0.04979	0.06408	0.09142	0.25602	0.02668	0.0274	0.5628146	0.001129615	1.158E-07	0.002361813	0.029996	0.025201085	0.004224	0.00415892	0.621569
2014	495311.06	3859451.99	0.0765	0.02687	0.0492	0.06383	0.09477	0.23511	0.02646	0.0269	0.55850716	0.001108979	1.145E-07	0.002352599	0.031095	0.023142829	0.004189	0.00408294	0.616314
2015	495361.06	3859451.99	0.07593	0.02643	0.04878	0.06376	0.09848	0.21874	0.02632	0.0264	0.55434573	0.001090819	1.135E-07	0.002350019	0.032313	0.021531463	0.004167	0.00401608	0.611782
2016	495411.06	3859451.99	0.07534	0.02594	0.04828	0.06344	0.09936	0.2033	0.02608	0.0259	0.55003829	0.001070596	1.123E-07	0.002338224	0.032601	0.020011642	0.004129	0.00394163	0.606248
2017	495461.06	3859451.99	0.07478	0.02575	0.04768	0.06314	0.09727	0.19446	0.02582	0.0258	0.54594987	0.001062754	1.109E-07	0.002327167	0.031916	0.019141485	0.004088	0.00391276	0.600572
2018	495511.06	3859451.99	0.0741	0.02529	0.0465	0.06204	0.09421	0.19168	0.02546	0.0253	0.54098537	0.001043769	1.082E-07	0.002286624	0.030912	0.018867838	0.004031	0.00384286	0.594284
2019	495561.06	3859451.99	0.0735	0.02504	0.04569	0.06135	0.093	0.18612	0.02522	0.025	0.53660492	0.001033451	1.063E-07	0.002261193	0.030515	0.018320545	0.003993	0.00380487	0.588923
2020	495611.06	3859451.99	0.0729	0.02474	0.04516	0.06066	0.09051	0.17893	0.02505	0.0247	0.53222447	0.001021069	1.051E-07	0.002235761	0.029698	0.017612804	0.003966	0.00375928	0.582999
2021	495661.06	3859451.99	0.07232	0.02447	0.04462	0.06	0.0882	0.17177	0.02491	0.0245	0.52799004	0.001009926	1.038E-07	0.002211435	0.02894	0.016908016	0.003944	0.00371826	0.577285
2022	494311.06	3859501.99	0.08841	0.03864	0.06862	0.0876	0.11704	0.25395	0.03599	0.0386	0.64545906	0.00159475	1.596E-07	0.003228696	0.038402	0.024997326	0.005698	0.00587141	0.713509
2023	494361.06	3859501.99	0.08782	0.03734	0.06691	0.08539	0.11622	0.32397	0.03514	0.0373	0.64115162	0.001541097	1.557E-07	0.003147241	0.038133	0.031889678	0.005564	0.00567388	0.715753
2024	494411.06	3859501.99	0.08749	0.03572	0.06404	0.08031	0.11306	0.37605	0.03333	0.0357	0.63874237	0.001474236	1.49E-07	0.002960006	0.037097	0.037016123	0.005277	0.00542771	0.717139
2025	494461.06	3859501.99	0.08669	0.03588	0.06379	0.08146	0.11078	0.43751	0.03359	0.0359	0.63290177	0.00148084	1.484E-07	0.003002392	0.036348	0.04306588	0.005318	0.00545203	0.716666
2026	494511.06	3859501.99	0.08612	0.03492	0.0622	0.07933	0.10432	0.46849	0.03265	0.0349	0.62874035	0.001441218	1.447E-07	0.002923886	0.034229	0.046115367	0.00517	0.00530615	0.713313
2027	494561.06	3859501.99	0.08555	0.03411	0.06107	0.07785	0.10018	0.50031	0.03196	0.0341	0.62457892	0.001407788	1.421E-07	0.002869337	0.03287	0.049247538	0.00506	0.00518307	0.710851
2028	494611.06	3859501.99	0.08481	0.03442	0.06112	0.07789	0.09921	0.56279	0.03229	0.0344	0.61917637	0.001420582	1.422E-07	0.002870812	0.032552	0.055397697	0.005113	0.00523018	0.7113
2029	494661.06	3859501.99	0.0843	0.03328	0.05977	0.07607	0.09377	0.59825	0.03142	0.0333	0.61545299	0.001373532	1.39E-07	0.002803731	0.030767	0.058888169	0.004975	0.00505695	0.709204
2030	494711.06	3859501.99	0.08378	0.03206	0.05805	0.07376	0.08693	0.6165	0.03062	0.0321	0.6116566	0.00132318	1.35E-07	0.002718591	0.028523	0.06068459	0.004848	0.00487157	0.704883
2031	494761.06	3859501.99	0.08313	0.03195	0.05784	0.07357	0.08219	0.67897	0.03059	0.032	0.60691111	0.001318641	1.346E-07	0.002711588	0.026968	0.066833765	0.004843	0.00485486	0.704731
2032	494811.06	3859501.99	0.08247	0.03088	0.05546	0.07027	0.07968	0.78192	0.02963	0.0309	0.60209262	0.001274479	1.29E-07	0.002589959	0.026144	0.07696755	0.004691	0.00469227	0.709068
2033	494861.06	3859501.99	0.08192	0.03054	0.0545	0.06951	0.07811	0.76018	0.02931	0.0305	0.59807721	0.001260447	1.268E-07	0.002561948	0.025629	0.074827594	0.004641	0.0046406	0.702356
2034	494911.06	3859501.99	0.0814	0.03036	0.05362	0.06883	0.07733	0.75675	0.02915	0.0304	0.59428082	0.001253018	1.247E-07	0.002536885	0.025373	0.074489965	0.004615	0.00461325	0.697936
2035	494961.06	3859501.99	0.0807	0.02998	0.05197	0.06726	0.07773	0.59906	0.02872	0.03	0.5891703	0.001237335	1.209E-07	0.002479019	0.025504	0.0589679	0.004547	0.00455551	0.677351
2036	495011.06	3859501.99	0.07996	0.02981	0.0515	0.06671	0.07882	0.47877	0.02858	0.0298	0.58376774	0.001230318	1.198E-07	0.002458748	0.025862	0.047127269	0.004525	0.00452968	0.660442
2037	495061.06	3859501.99	0.07927	0.02963	0.05107	0.06623	0.08279	0.39788	0.02845	0.0296	0.57873023	0.001222889	1.188E-07	0.002441056	0.027165	0.039164939	0.004505	0.00450233	0.648726
2038	495111.06	3859501.99	0.07834	0.02914	0.04992	0.06496	0.08525	0.33183	0.02792	0.0291	0.57194053	0.001202666	1.161E-07	0.002394247	0.027972	0.03266337	0.004421	0.00442787	0.636165
2039	495161.06	3859501.99	0.07756	0.02896	0.04921	0.06453	0.08572	0.30267	0.02779	0.029	0.56624595	0.001195237	1.145E-07	0.002378399	0.028126	0.029793033	0.0044	0.00440052	0.627738
2040	495211.06	3859501.99	0.0768	0.02891	0.0487	0.06443	0.08543	0.27352	0.02786	0.0289	0.56069738	0.001193174	1.133E-07	0.002374713	0.028031	0.02692368	0.004411	0.00439292	0.619238
2041	495261.06	3859501.99	0.07613	0.02864	0.04798	0.06409	0.08664	0.25162	0.02769	0.0286	0.55580588	0.00118203	1.116E-07	0.002362182	0.028428	0.024767975	0.004384	0.0043519	0.612578
2042	495311.06	3859501.99	0.07554	0.02823	0.04747	0.06387	0.08719	0.22917	0.02758	0.0282	0.55149844	0.001165109	1.104E-07	0.002354073	0.028608	0.022558131	0.004367	0.0042896	0.606261
2043	495361.06	3859501.99	0.07506	0.02773	0.04709	0.0635	0.08774	0.21212	0.02734	0.0277	0.54799408	0.001144473	1.095E-07	0.002340436	0.028789	0.02087983	0.004329	0.00421362	0.601263
2044	495411.06	3859501.99	0.07461	0.02725	0.04671	0.06345	0.0885	0.20267	0.02713	0.0273	0.54470875	0.001124662	1.087E-07	0.002338593	0.029038	0.019949628	0.004296	0.00414068	0.597315
2045	495461.06	3859501.99	0.07414	0.02686	0.0461	0.06303	0.09046	0.19533	0.02681	0.0269	0.5412774	0.001108566	1.072E-07	0.002323113	0.029681	0.019227122	0.004245	0.00408142	0.593781
2046	495511.06	3859501.99	0.07359	0.02584	0.04512	0.06179	0.09342	0.18299	0.02586	0.0258	0.53726199	0.001066469	1.05E-07	0.00227741	0.030652	0.018012446	0.004094	0.00392643	0.589439
2047	495561.06	3859501.99	0.07302	0.02588	0.04499	0.06152	0.09615	0.17542	0.026	0.0259	0.53310056	0.001068119	1.047E-07	0.002267458	0.031548	0.0172673	0.004117	0.00393251	0.585436
2048	495611.06	3859501.99	0.07234	0.02551	0.04442	0.06077	0.09604	0.16904	0.02567	0.0255	0.52813605	0.001052849	1.033E-07	0.002239815	0.031512	0.016639291	0.004064	0.00387629	0.579768
2049	495661.06	3859501.99	0.07164	0.0252	0.04366	0.05994	0.09272	0.16025	0.02539	0.0252	0.52302553	0.001040054	1.016E-07	0.002209224	0.030423	0.015774056	0.00402	0.00382918	0.572663
2050	494311.06	3859551.99	0.08776	0.04008	0.06816	0.08766	0.11068	0.29553	0.03669	0.0401	0.64071357	0.001654182	1.586E-07	0.003230907	0.036316	0.029090214	0.005809	0.00609022	0.710724
2051	494361.06	3859551.99	0.08743	0.03815	0.06642	0.08415	0.11306	0.39867	0.03521	0.0382	0.63830433	0.001574527	1.545E-07	0.003101538	0.037097	0.039242701	0.005575	0.00579696	0.719098
2052	494411.06	3859551.99	0.08722	0.03686	0.06414	0.07994	0.11439	0.6776	0.03421	0.0369	0.63677117	0.001521286	1.492E-07	0.002946369	0.037533	0.06669891	0.005417	0.00560094	0.745286
2053	494461.06	3859551.99	0.08638	0.03696	0.06404	0.08121	0.11366	1.01869	0.03459	0.037	0.63063854	0.001525413	1.49E-07	0.002993178	0.037293	0.100273779	0.005477	0.00561613	0.772585
2054	494511.06	3859551.99	0.0858	0.03619	0.06275	0.07964	0.11257	1.68978	0.03406	0.0362	0.62640411	0.001493634	1.46E-07	0.002935312	0.036936	0.166331884	0.005393	0.00549913	0.833994
2055	494561.06	3859551.99	0.08517	0.0356	0.06159	0.07859	0.10924	1.64334	0.03368	0.0356	0.62180464	0.001469283	1.433E-07	0.002896612	0.035843	0.161760606	0.005333	0.00540948	0.823698
2056	494611.06	3859551.99	0.08448	0.03531	0.06073	0.07802	0.10591	1.66909	0.03349	0.0353	0.61676712	0.001457314	1.413E-07	0.002875603	0.03475	0.164295283	0.005303	0.00536541	0.820083
2057	494661.06	3859551.99	0.08382	0.03478	0.05963	0.07695	0.10059	1.65694	0.03306	0.0348	0.61194863	0.00143544	1.387E-07	0.002836166	0.033005	0.16309931	0.005234	0.00528488	0.812274
2058	494711.06	3859551.99	0.08325	0.03267	0.05716	0.07347	0.09714	1.7011	0.03087	0.0327	0.6077872	0.001348356	1.33E-07	0.002707903	0.031873	0.167446157	0.004888	0.00496426	0.811086
2059	494761.06	3859551.99	0.08232	0.0332	0.05716	0.07493	0.09582	1.73159	0.03154	0.0332	0.60099751	0.001370231	1.33E-07	0.002761714	0.03144	0.170447411	0.004994	0.0050448	0.806966
2060	494811.06	3859551.99	0.08197	0.03199	0.05554	0.072	0.08898	1.72089	0.03045	0.032	0.59844225	0.001320291	1.292E-07	0.002653722	0.029196	0.169394167	0.004821	0.00486093	0.800966
2061	494861.06	3859551.99	0.08142	0.03164	0.05461	0.07102	0.08367	1.43965	0.03026	0.0316	0.59442684	0.001305846	1.27E-07	0.002617602	0.027453	0.141710575	0.004791	0.00480775	0.767498

2062	494911.06	3859551.99	0.08082	0.03125	0.05356	0.06997	0.07909	0.85936	0.02993	0.0313	0.59004639	0.00128975	1.246E-07	0.002578902	0.02595	0.084590282	0.004739	0.00474849	0.704446
2063	494961.06	3859551.99	0.08021	0.03104	0.05313	0.06949	0.07761	0.5719	0.02981	0.031	0.58559293	0.001281083	1.236E-07	0.002561211	0.025465	0.056294431	0.00472	0.00471658	0.671198
2064	495011.06	3859551.99	0.07967	0.03089	0.05247	0.06925	0.07613	0.44363	0.02973	0.0309	0.58165053	0.001274892	1.221E-07	0.002552365	0.024979	0.043668296	0.004707	0.00469379	0.654139
2065	495061.06	3859551.99	0.07917	0.03057	0.05176	0.0683	0.07508	0.3663	0.0295	0.0306	0.57800015	0.001261685	1.204E-07	0.002517351	0.024635	0.036056391	0.004671	0.00464516	0.642496
2066	495111.06	3859551.99	0.07836	0.03021	0.05084	0.06681	0.07508	0.3196	0.02912	0.0302	0.57208655	0.001246827	1.183E-07	0.002462433	0.024635	0.031459521	0.004611	0.00459046	0.63191
2067	495161.06	3859551.99	0.0778	0.03008	0.05058	0.06622	0.07619	0.28195	0.02903	0.0301	0.56799813	0.001241462	1.177E-07	0.002440687	0.024999	0.027753479	0.004596	0.00457071	0.624459
2068	495211.06	3859551.99	0.07716	0.03	0.05048	0.0658	0.07996	0.25965	0.02902	0.03	0.56332565	0.00123816	1.174E-07	0.002425207	0.026236	0.0255584	0.004595	0.00455855	0.61882
2069	495261.06	3859551.99	0.07641	0.02969	0.04946	0.06462	0.08354	0.23542	0.0287	0.0297	0.55785009	0.001225366	1.151E-07	0.002381716	0.027411	0.023173343	0.004544	0.00451145	0.612074
2070	495311.06	3859551.99	0.0757	0.02937	0.0481	0.06388	0.08374	0.21671	0.02847	0.0294	0.55266656	0.001212159	1.119E-07	0.002354442	0.027476	0.021331642	0.004508	0.00446282	0.605086
2071	495361.06	3859551.99	0.07501	0.02891	0.0471	0.06332	0.0835	0.20381	0.02831	0.0289	0.54762905	0.001193174	1.096E-07	0.002333801	0.027397	0.020061843	0.004482	0.00439292	0.598705
2072	495411.06	3859551.99	0.07433	0.0285	0.04619	0.06324	0.08407	0.19387	0.0282	0.0285	0.54266454	0.001176252	1.075E-07	0.002330853	0.027585	0.019083409	0.004465	0.00433062	0.592974
2073	495461.06	3859551.99	0.07359	0.02784	0.04502	0.06204	0.08441	0.18518	0.02779	0.0278	0.53726199	0.001149013	1.047E-07	0.002286624	0.027696	0.018228017	0.0044	0.00423033	0.586792
2074	495511.06	3859551.99	0.07277	0.02721	0.04382	0.0609	0.08426	0.17578	0.02732	0.0272	0.53127537	0.001123011	1.019E-07	0.002244607	0.027647	0.017302737	0.004326	0.00413461	0.579784
2075	495561.06	3859551.99	0.07219	0.0269	0.04325	0.0604	0.08473	0.16674	0.02707	0.0269	0.52704094	0.001110217	1.006E-07	0.002226178	0.027801	0.016412893	0.004286	0.0040875	0.57479
2076	495611.06	3859551.99	0.07172	0.02658	0.04304	0.05971	0.08533	0.15781	0.02669	0.0266	0.52360959	0.00109701	1.001E-07	0.002200747	0.027998	0.015533877	0.004226	0.00403888	0.570626
2077	495661.06	3859551.99	0.07123	0.02619	0.04278	0.05894	0.08794	0.15016	0.02633	0.0262	0.52003222	0.001080914	9.952E-08	0.002172367	0.028854	0.014780856	0.004169	0.00397961	0.56711
2078	494311.06	3859601.99	0.08749	0.04173	0.06808	0.08905	0.10386	0.30744	0.03837	0.0417	0.63874237	0.001722281	1.584E-07	0.003282139	0.034078	0.030262563	0.006075	0.00634094	0.707822
2079	494361.06	3859601.99	0.0875	0.03884	0.06556	0.08413	0.10309	0.43452	0.03597	0.0388	0.63881538	0.001603005	1.525E-07	0.003100801	0.033825	0.042771562	0.005695	0.0059018	0.71991
2080	494411.06	3859601.99	0.08719	0.03808	0.06426	0.08221	0.10397	0.68646	0.03539	0.0381	0.63655215	0.001571638	1.495E-07	0.003030035	0.034114	0.067571036	0.005603	0.00578632	0.742656
2081	494461.06	3859601.99	0.08644	0.03822	0.06422	0.08243	0.10628	0.83047	0.03559	0.0382	0.63107659	0.001577416	1.494E-07	0.003038144	0.034872	0.081746523	0.005635	0.00580759	0.752138
2082	494511.06	3859601.99	0.08616	0.03704	0.06255	0.07945	0.1091	0.66227	0.03478	0.037	0.62903238	0.001528715	1.455E-07	0.002928309	0.035797	0.065189916	0.005507	0.00562829	0.734355
2083	494561.06	3859601.99	0.0855	0.03698	0.06225	0.07929	0.11107	0.60329	0.03482	0.037	0.62421388	0.001526239	1.448E-07	0.002922412	0.036444	0.059384276	0.005513	0.00561917	0.724384
2084	494611.06	3859601.99	0.08494	0.03674	0.06182	0.07877	0.11036	0.57968	0.03468	0.0367	0.62012547	0.001516333	1.438E-07	0.002903246	0.036211	0.057060248	0.005491	0.0055827	0.717724
2085	494661.06	3859601.99	0.08453	0.03516	0.05979	0.07608	0.10822	0.58437	0.03351	0.0352	0.61713216	0.001451124	1.391E-07	0.0028041	0.035508	0.057521904	0.005306	0.00534262	0.714381
2086	494711.06	3859601.99	0.084	0.03404	0.05845	0.07395	0.10356	0.58254	0.03266	0.034	0.61326276	0.001404899	1.36E-07	0.002725594	0.033979	0.05734177	0.005171	0.00517244	0.708713
2087	494761.06	3859601.99	0.08303	0.03503	0.05903	0.07621	0.10197	0.55969	0.03357	0.035	0.60618104	0.001445758	1.373E-07	0.002808891	0.033458	0.055092552	0.005315	0.00532287	0.698978
2088	494811.06	3859601.99	0.08225	0.03342	0.05724	0.0735	0.09597	0.53848	0.03229	0.0334	0.60048646	0.00137931	1.332E-07	0.002709008	0.031489	0.053004766	0.005113	0.00507823	0.689103
2089	494861.06	3859601.99	0.08137	0.03299	0.05638	0.07294	0.09451	0.49505	0.03191	0.033	0.5940618	0.001361563	1.312E-07	0.002688368	0.03101	0.048729775	0.005052	0.00501289	0.677891
2090	494911.06	3859601.99	0.08072	0.03224	0.05518	0.07108	0.09112	0.45988	0.03091	0.0322	0.58931631	0.001330609	1.284E-07	0.002619814	0.029898	0.045267849	0.004894	0.00489892	0.668428
2091	494961.06	3859601.99	0.07996	0.03239	0.05473	0.07151	0.08713	0.41069	0.03136	0.0324	0.58376774	0.0013368	1.273E-07	0.002635662	0.028589	0.040425879	0.004965	0.00492171	0.656798
2092	495011.06	3859601.99	0.07963	0.03173	0.05311	0.06944	0.08136	0.37756	0.03039	0.0317	0.5813585	0.001309561	1.236E-07	0.002559368	0.026695	0.037164759	0.004812	0.00482143	0.649078
2093	495061.06	3859601.99	0.07914	0.0317	0.05248	0.06973	0.07721	0.33356	0.03043	0.0317	0.57778113	0.001308323	1.221E-07	0.002570056	0.025334	0.032833661	0.004818	0.00481687	0.639828
2094	495111.06	3859601.99	0.07863	0.03123	0.05129	0.06822	0.07563	0.29476	0.03006	0.0312	0.57405775	0.001288925	1.193E-07	0.002514402	0.024815	0.02901442	0.004759	0.00474545	0.631705
2095	495161.06	3859601.99	0.07805	0.03112	0.0509	0.06802	0.07423	0.27074	0.03	0.0311	0.56982332	0.001284385	1.184E-07	0.002507031	0.024356	0.026650034	0.00475	0.00472874	0.624642
2096	495211.06	3859601.99	0.07759	0.03087	0.05033	0.06753	0.07308	0.24817	0.02981	0.0309	0.56646497	0.001274067	1.171E-07	0.00248897	0.023979	0.024428377	0.00472	0.00469075	0.618664
2097	495261.06	3859601.99	0.07715	0.0307	0.0499	0.06722	0.07278	0.23148	0.02968	0.0307	0.56325265	0.001267051	1.161E-07	0.002477545	0.02388	0.022785513	0.004699	0.00466492	0.613697
2098	495311.06	3859601.99	0.07657	0.03058	0.04946	0.0669	0.07384	0.21437	0.02959	0.0306	0.55901821	0.001262098	1.151E-07	0.00246575	0.024228	0.021101307	0.004685	0.00464668	0.608114
2099	495361.06	3859601.99	0.07581	0.0302	0.04863	0.06612	0.07666	0.20027	0.02933	0.0302	0.55346964	0.001246415	1.131E-07	0.002437002	0.025153	0.019713387	0.004644	0.00458894	0.602075
2100	495411.06	3859601.99	0.07495	0.02983	0.04814	0.06567	0.0807	0.18861	0.02925	0.0298	0.547191	0.001231144	1.12E-07	0.002420416	0.026479	0.018565646	0.004631	0.00453272	0.595986
2101	495461.06	3859601.99	0.07405	0.02904	0.04627	0.06365	0.08106	0.17434	0.02867	0.029	0.54062033	0.001198539	1.076E-07	0.002345964	0.026597	0.017160992	0.004539	0.00441268	0.58805
2102	495511.06	3859601.99	0.07317	0.02836	0.04439	0.06182	0.08032	0.16717	0.02819	0.0284	0.53419567	0.001170474	1.033E-07	0.002278516	0.026354	0.01645522	0.004463	0.00430935	0.580608
2103	495561.06	3859601.99	0.07236	0.02835	0.04402	0.06177	0.08063	0.16176	0.0281	0.0284	0.52828207	0.001170061	1.024E-07	0.002276673	0.026456	0.015922691	0.004449	0.00430783	0.574249
2104	495611.06	3859601.99	0.07149	0.02754	0.04302	0.06002	0.08106	0.15403	0.02748	0.0275	0.52193042	0.001136631	1.001E-07	0.002212173	0.026597	0.015161796	0.004351	0.00418475	0.567204
2105	495661.06	3859601.99	0.07068	0.0274	0.04283	0.05989	0.08125	0.15027	0.02716	0.0274	0.51601681	0.001130853	9.964E-08	0.002207381	0.026659	0.014791684	0.0043	0.00416348	0.560943
2106	494311.06	3859651.99	0.08734	0.04221	0.06658	0.0888	0.09301	0.30714	0.0398	0.0422	0.63764726	0.001742091	1.549E-07	0.003272924	0.030518	0.030233033	0.006302	0.00641388	0.703301
2107	494361.06	3859651.99	0.08749	0.04008	0.06394	0.08479	0.09548	0.43067	0.03745	0.0401	0.63874237	0.001654182	1.487E-07	0.003125127	0.031328	0.042392591	0.00593	0.00609022	0.717082
2108	494411.06	3859651.99	0.08705	0.03943	0.06345	0.08343	0.09836	0.68259	0.03687	0.0394	0.63553004	0.001627355	1.476E-07	0.003075001	0.032273	0.067190096	0.005838	0.00599145	0.739542
2109	494461.06	3859651.99	0.08629	0.03963	0.06352	0.08319	0.09996	0.77776	0.03736	0.0396	0.62998147	0.00163561	1.478E-07	0.003066155	0.032798	0.076558064	0.005915	0.00602185	0.743933
2110	494511.06	3859651.99	0.08586	0.03898	0.06276	0.08184	0.09976	0.56923	0.03663	0.039	0.62684215	0.001608783	1.46E-07	0.003016398	0.032733	0.056031612	0.0058	0.00592308	0.720108
2111	494561.06	3859651.99	0.08532	0.03848	0.06229	0.08063	0.10193	0.45703	0.03636	0.0385	0.62289975	0.001588147	1.449E-07	0.002971801	0.033445	0.044987312	0.005757	0.0058471	0.705802
2112	494611.06	3859651.99	0.08467	0.03798	0.06175	0.07937	0.1035	0.40297	0.03602	0.038	0.61815426	0.001567511	1.437E-07	0.00292536	0.03396	0.039665968	0.005703	0.00577112	0.696205
2113	494661.06	3859651.99	0.08443	0.0364	0.06003	0.07571	0.10586	0.36869	0.03439	0.0364	0.61640208	0.001502301	1.397E-07	0.002790463	0.034734	0.036291649	0.005445	0.00553104	0.691635
2114	494711.06	3859651.99	0.08388	0.03607	0.05948	0.07464	0.10794	0.35751	0.03421	0.0361	0.61238667	0.001488681	1.384E-07	0.002751026	0.035417	0.035191156	0.005417	0.0054809	0.68717
2115	494761.06	3859651.99	0.08333	0.03591	0.05913	0.07477	0.10724	0.3445	0.03438	0.0359	0.60837126	0.001482078	1.376E-07	0.002755817	0.035187	0.033910529	0.005443	0.00545658	0.681694
2116	494811.06	3859651.99	0.0829	0.03517	0.05803	0.07313	0.1044	0.31259	0.03382	0.0352	0.60523194	0.001451536	1.35E-07	0.002695371	0.034255	0.030769499	0.005355	0.00534414	0.674414
2117	494861.06	3859651.99	0.08219	0.03478	0.05737	0.07289	0.10121	0.29878	0.03359	0.0348	0.60004841	0.00143544	1.335E-07	0.002686525	0.033208	0.029410125	0.005318	0.00528488	0.666822
2118	494911.06	3859651.99	0.0814	0.03418	0.05661	0.0721	0.09727	0.29414	0.03317	0.0342	0.59428082	0.001410677	1.317E-07	0.002657408	0.031916	0.028953391	0.005252	0.00519371	0.659276
2119	494961.06	3859651.99	0.0806	0.03375	0.05622	0.07179	0.09316	0.28216	0.03289	0.0338	0.58844022	0.00139293	1.308E-07	0.002645982	0.030567	0.027774151	0.005208	0.00512837	0.6509
2120	495011.06	3859651.99	0.07982	0.03326	0.05576	0.07125	0.09191	0.27479	0.03251	0.0333	0.58274564	0.001372707	1.297E-07	0.002626079	0.030157	0.027048692	0.005147	0.00505391	0.644044

2121	495061.06	3859651.99	0.07901	0.0331	0.05525	0.07128	0.08973	0.26163	0.03234	0.0331	0.57683204	0.001366103	1.285E-07	0.002627185	0.029442	0.0257533	0.00512	0.0050296	0.636111
2122	495111.06	3859651.99	0.07817	0.0326	0.05452	0.0704	0.08479	0.25049	0.0319	0.0326	0.57069941	0.001345467	1.268E-07	0.002594751	0.027821	0.024656744	0.005051	0.00495362	0.627214
2123	495161.06	3859651.99	0.07745	0.03235	0.05374	0.06974	0.08008	0.23498	0.03165	0.0324	0.56544287	0.001335149	1.25E-07	0.002570425	0.026275	0.023130032	0.005011	0.00491564	0.618849
2124	495211.06	3859651.99	0.07658	0.03221	0.05305	0.06917	0.07577	0.22635	0.03151	0.0322	0.55909122	0.001329371	1.234E-07	0.002549416	0.024861	0.022280546	0.004989	0.00489436	0.610207
2125	495261.06	3859651.99	0.07595	0.0319	0.05277	0.06824	0.07379	0.21689	0.03122	0.0319	0.55449175	0.001316577	1.228E-07	0.002515139	0.024211	0.02134936	0.004943	0.00484726	0.60398
2126	495311.06	3859651.99	0.0753	0.03169	0.05227	0.06747	0.07243	0.20743	0.03103	0.0317	0.54974626	0.00130791	1.216E-07	0.002486759	0.023765	0.020418174	0.004913	0.00481535	0.597822
2127	495361.06	3859651.99	0.07471	0.03152	0.05175	0.06701	0.07122	0.19868	0.03087	0.0315	0.54543882	0.001300894	1.204E-07	0.002469805	0.023368	0.019556876	0.004888	0.00478952	0.592233
2128	495411.06	3859651.99	0.07418	0.03123	0.05117	0.0664	0.07053	0.18759	0.03057	0.0312	0.54156943	0.001288925	1.19E-07	0.002447322	0.023142	0.018465243	0.00484	0.00474545	0.587008
2129	495461.06	3859651.99	0.07369	0.03046	0.05026	0.06524	0.0711	0.17501	0.02994	0.0305	0.53799206	0.001257145	1.169E-07	0.002404567	0.023329	0.017226943	0.00474	0.00462845	0.582322
2130	495511.06	3859651.99	0.07302	0.02981	0.0491	0.06436	0.07207	0.16566	0.02932	0.0298	0.53310056	0.001230318	1.142E-07	0.002372133	0.023647	0.016306584	0.004642	0.00452968	0.576769
2131	495561.06	3859651.99	0.07224	0.02963	0.04842	0.06401	0.0756	0.15965	0.02907	0.0296	0.52740598	0.001222889	1.126E-07	0.002359233	0.024805	0.015714996	0.004603	0.00450233	0.571609
2132	495611.06	3859651.99	0.07145	0.02924	0.04764	0.06316	0.07757	0.15314	0.02859	0.0292	0.52163839	0.001206793	1.108E-07	0.002327904	0.025452	0.01507419	0.004527	0.00444307	0.565783
2133	495661.06	3859651.99	0.07067	0.02876	0.04646	0.06213	0.07783	0.14644	0.02808	0.0288	0.5159438	0.001186983	1.081E-07	0.002289941	0.025537	0.014414682	0.004446	0.00437013	0.559448
2134	494311.06	3859701.99	0.08761	0.04138	0.06457	0.08524	0.09042	0.32262	0.03869	0.0414	0.63961846	0.001707836	1.502E-07	0.003141712	0.029668	0.031756792	0.006126	0.00628776	0.705731
2135	494361.06	3859701.99	0.08718	0.04082	0.06316	0.08387	0.0868	0.42534	0.0382	0.0408	0.63647914	0.001684723	1.469E-07	0.003091218	0.02848	0.041867937	0.006048	0.00620267	0.711449
2136	494411.06	3859701.99	0.08655	0.04049	0.0633	0.08312	0.08832	0.64157	0.03804	0.0405	0.63187967	0.001671103	1.473E-07	0.003063575	0.028979	0.063152331	0.006023	0.00615252	0.728616
2137	494461.06	3859701.99	0.08583	0.04081	0.06447	0.08344	0.09083	0.60199	0.03898	0.0408	0.62662313	0.00168431	1.5E-07	0.003075369	0.029803	0.059256312	0.006172	0.00620115	0.720412
2138	494511.06	3859701.99	0.08556	0.04016	0.06405	0.08205	0.09363	0.55076	0.03838	0.0402	0.62465193	0.001657484	1.49E-07	0.003024138	0.030721	0.054213536	0.006077	0.00610238	0.714243
2139	494561.06	3859701.99	0.08514	0.03976	0.06345	0.08121	0.09649	0.43882	0.03814	0.0398	0.62158562	0.001640975	1.476E-07	0.002993178	0.03166	0.043194828	0.006039	0.0060416	0.701072
2140	494611.06	3859701.99	0.08461	0.03933	0.06321	0.08039	0.09722	0.37001	0.03781	0.0393	0.61771622	0.001623228	1.471E-07	0.002962955	0.031899	0.036421582	0.005987	0.00597626	0.690634
2141	494661.06	3859701.99	0.08459	0.03793	0.06056	0.07638	0.09637	0.32124	0.03568	0.0379	0.6175702	0.001565447	1.409E-07	0.002815157	0.03162	0.031620953	0.005649	0.00576353	0.685078
2142	494711.06	3859701.99	0.08395	0.0377	0.06034	0.07628	0.09902	0.30206	0.03588	0.0377	0.61289773	0.001555955	1.404E-07	0.002811471	0.03249	0.029732988	0.005681	0.00572858	0.67944
2143	494761.06	3859701.99	0.08354	0.03697	0.0591	0.07474	0.09989	0.27853	0.03516	0.037	0.60990442	0.001525826	1.375E-07	0.002754711	0.032775	0.027416835	0.005567	0.00561765	0.674326
2144	494811.06	3859701.99	0.08315	0.03639	0.05782	0.0734	0.10292	0.25899	0.03447	0.0364	0.60705713	0.001501888	1.345E-07	0.002705323	0.033769	0.025493434	0.005458	0.00552952	0.670456
2145	494861.06	3859701.99	0.08251	0.03609	0.05775	0.07416	0.10488	0.25	0.03455	0.0361	0.60238465	0.001489507	1.343E-07	0.002733334	0.034413	0.024608512	0.00547	0.00548394	0.665615
2146	494911.06	3859701.99	0.08178	0.03554	0.05669	0.07314	0.10422	0.2369	0.03406	0.0355	0.5970551	0.001466807	1.319E-07	0.00269574	0.034196	0.023319026	0.005393	0.00540036	0.658725
2147	494961.06	3859701.99	0.0808	0.0351	0.05568	0.07206	0.10134	0.23546	0.03359	0.0351	0.58990037	0.001448647	1.295E-07	0.002655934	0.033251	0.023177281	0.005318	0.0053335	0.650418
2148	495011.06	3859701.99	0.07974	0.03474	0.05513	0.0719	0.09828	0.23279	0.03343	0.0347	0.58216158	0.001433789	1.283E-07	0.002650037	0.032247	0.022914462	0.005293	0.0052788	0.641421
2149	495061.06	3859701.99	0.07875	0.03432	0.05451	0.07115	0.09466	0.21993	0.0331	0.0343	0.57493384	0.001416455	1.268E-07	0.002622394	0.031059	0.0216486	0.005241	0.00521498	0.631706
2150	495111.06	3859701.99	0.07777	0.03397	0.05402	0.07048	0.0906	0.20669	0.03282	0.034	0.56777911	0.00140201	1.257E-07	0.002597699	0.029727	0.020345333	0.005196	0.0051618	0.621886
2151	495161.06	3859701.99	0.07682	0.0336	0.05335	0.06963	0.08938	0.20362	0.03248	0.0336	0.5608434	0.001386739	1.241E-07	0.002566371	0.029327	0.020043141	0.005143	0.00510558	0.614204
2152	495211.06	3859701.99	0.0759	0.03324	0.05258	0.06868	0.08709	0.19521	0.03213	0.0332	0.55412671	0.001371881	1.223E-07	0.002531356	0.028575	0.01921531	0.005087	0.00505087	0.605857
2153	495261.06	3859701.99	0.07516	0.03318	0.05282	0.06895	0.08321	0.19222	0.03214	0.0332	0.54872416	0.001369405	1.229E-07	0.002541308	0.027302	0.018920992	0.005089	0.00504176	0.598905
2154	495311.06	3859701.99	0.07446	0.03287	0.05216	0.06855	0.0785	0.18583	0.03183	0.0329	0.54361364	0.001356611	1.213E-07	0.002526565	0.025757	0.018291999	0.00504	0.00499465	0.591591
2155	495361.06	3859701.99	0.07355	0.03255	0.05172	0.06824	0.0741	0.17933	0.03156	0.0326	0.53696996	0.001343404	1.203E-07	0.002515139	0.024313	0.017652178	0.004997	0.00494603	0.582845
2156	495411.06	3859701.99	0.07273	0.03204	0.05092	0.06668	0.07187	0.17077	0.03118	0.032	0.53098334	0.001322355	1.185E-07	0.002457642	0.023582	0.016809582	0.004937	0.00486853	0.575223
2157	495461.06	3859701.99	0.072	0.0317	0.05048	0.06574	0.07058	0.16678	0.0309	0.0317	0.5256538	0.001308323	1.174E-07	0.002422996	0.023158	0.01641683	0.004892	0.00481687	0.569036
2158	495511.06	3859701.99	0.07148	0.03084	0.04927	0.06451	0.06937	0.16242	0.03031	0.0308	0.52185741	0.001272829	1.146E-07	0.002377662	0.022761	0.015987658	0.004799	0.00468619	0.56437
2159	495561.06	3859701.99	0.0708	0.03114	0.0501	0.06473	0.06853	0.15919	0.03037	0.0311	0.5168929	0.00128521	1.166E-07	0.00238577	0.022486	0.015669716	0.004809	0.00473178	0.558796
2160	495611.06	3859701.99	0.07019	0.03082	0.04939	0.06422	0.06855	0.15344	0.0299	0.0308	0.51243944	0.001272003	1.149E-07	0.002366973	0.022492	0.01510372	0.004734	0.00468315	0.553725
2161	495661.06	3859701.99	0.06954	0.03038	0.04796	0.06356	0.0693	0.14998	0.02941	0.0304	0.50769396	0.001253843	1.116E-07	0.002342647	0.022738	0.014763138	0.004657	0.00461629	0.548832
2162	494311.06	3859751.99	0.08632	0.04281	0.06624	0.08694	0.09247	0.31331	0.04046	0.0428	0.6302005	0.001766854	1.541E-07	0.00320437	0.030341	0.030840371	0.006406	0.00650505	0.696254
2163	494361.06	3859751.99	0.08604	0.04221	0.06567	0.08559	0.09196	0.40929	0.04005	0.0422	0.62815629	0.001742091	1.528E-07	0.003154613	0.030173	0.040288071	0.006341	0.00641388	0.703442
2164	494411.06	3859751.99	0.08584	0.0417	0.06456	0.08349	0.09027	0.61931	0.03937	0.0417	0.62669614	0.001721043	1.502E-07	0.003077212	0.029619	0.06096119	0.006234	0.00633639	0.721972
2165	494461.06	3859751.99	0.08492	0.0417	0.06424	0.08437	0.08699	0.60005	0.03949	0.0417	0.61997945	0.001721043	1.494E-07	0.003109647	0.028543	0.05906535	0.006253	0.00633639	0.712334
2166	494511.06	3859751.99	0.08417	0.04157	0.06373	0.08456	0.08511	0.5377	0.03948	0.0416	0.61450389	0.001715677	1.483E-07	0.00311665	0.027926	0.052927987	0.006251	0.00631663	0.700124
2167	494561.06	3859751.99	0.08367	0.04106	0.06318	0.08312	0.08652	0.435	0.03909	0.0411	0.61085352	0.001694628	1.47E-07	0.003063575	0.028388	0.04281881	0.006189	0.00623914	0.686769
2168	494611.06	3859751.99	0.08329	0.04029	0.06232	0.08112	0.08897	0.36104	0.03841	0.0403	0.60807923	0.001662849	1.45E-07	0.002989861	0.029192	0.035538628	0.006082	0.00612213	0.677422
2169	494661.06	3859751.99	0.08297	0.03896	0.06103	0.07731	0.09144	0.31207	0.03669	0.039	0.60574299	0.001607957	1.42E-07	0.002849434	0.030003	0.030718313	0.005809	0.00592004	0.670811
2170	494711.06	3859751.99	0.08213	0.03893	0.06098	0.07767	0.0939	0.29752	0.03723	0.0389	0.59961037	0.001606719	1.419E-07	0.002862703	0.03081	0.029286098	0.005895	0.00591548	0.664155
2171	494761.06	3859751.99	0.08139	0.03854	0.06083	0.07711	0.09417	0.2724	0.03697	0.0385	0.59420781	0.001590623	1.415E-07	0.002842063	0.030898	0.026813434	0.005854	0.00585622	0.65635
2172	494811.06	3859751.99	0.0808	0.03792	0.06036	0.07571	0.09459	0.24525	0.0364	0.0379	0.58990037	0.001565034	1.404E-07	0.002790463	0.031036	0.02414095	0.005763	0.00576201	0.649434
2173	494861.06	3859751.99	0.08011	0.03741	0.06032	0.07478	0.09685	0.23268	0.03607	0.0374	0.58486286	0.001543986	1.403E-07	0.002756186	0.031778	0.022903634	0.005711	0.00568451	0.643871
2174	494911.06	3859751.99	0.07943	0.03696	0.05982	0.07378	0.09782	0.2227	0.03572	0.037	0.57989835	0.001525413	1.392E-07	0.002719328	0.032096	0.021921262	0.005656	0.00561613	0.6382
2175	494961.06	3859751.99	0.07845	0.03652	0.05925	0.07267	0.10198	0.21653	0.03541	0.0365	0.57274362	0.001507254	1.378E-07	0.002678417	0.033461	0.021313924	0.005607	0.00554928	0.631762
2176	495011.06	3859751.99	0.0776	0.03603	0.0586	0.07192	0.1019	0.21085	0.03502	0.036	0.56653798	0.00148703	1.363E-07	0.002650774	0.033435	0.020754819	0.005545	0.00547482	0.624935
2177	495061.06	3859751.99	0.07672	0.03574	0.05804	0.07176	0.10122	0.20213	0.03486	0.0357	0.56011332	0.001475061	1.35E-07	0.002644877	0.033212	0.019896474	0.005519	0.00543075	0.61743
2178	495111.06	3859751.99	0.07592	0.03528	0.05732	0.07112	0.09901	0.19188	0.03445	0.0353	0.55427273	0.001456076	1.333E-07	0.002621288	0.032487	0.018887525	0.005455	0.00536086	0.609818
2179	495161.06	3859751.99	0.07513	0.03478	0.05638	0.0702	0.09554	0.18441	0.0339	0.0348	0.54850514	0.00143544	1.312E-07	0.002587379	0.031348	0.018152223	0.005367	0.00528488	0.602111

2180	495211.06	3859751.99	0.07436	0.03433	0.05527	0.06923	0.0919	0.18175	0.03331	0.0343	0.54288356	0.001416868	1.286E-07	0.002551628	0.030154	0.017890388	0.005274	0.0052165	0.594954
2181	495261.06	3859751.99	0.07353	0.0341	0.05468	0.06867	0.08819	0.17754	0.03311	0.0341	0.53682394	0.001407375	1.272E-07	0.002530988	0.028936	0.017475981	0.005242	0.00518155	0.587236
2182	495311.06	3859751.99	0.07303	0.03374	0.0541	0.06799	0.08689	0.17187	0.03273	0.0337	0.53317357	0.001392517	1.259E-07	0.002505925	0.02851	0.01691786	0.005182	0.00512685	0.582555
2183	495361.06	3859751.99	0.07254	0.03343	0.05347	0.06737	0.0853	0.17115	0.03241	0.0334	0.5295962	0.001379723	1.244E-07	0.002483073	0.027988	0.016846987	0.005132	0.00507974	0.578346
2184	495411.06	3859751.99	0.07205	0.03316	0.05269	0.06692	0.08109	0.17105	0.03211	0.0332	0.52601883	0.00136858	1.226E-07	0.002466488	0.026607	0.016837144	0.005084	0.00503872	0.573343
2185	495461.06	3859751.99	0.0716	0.03268	0.05163	0.06613	0.07632	0.1648	0.03157	0.0327	0.5227335	0.001348769	1.201E-07	0.00243737	0.025042	0.016221931	0.004999	0.00496578	0.567816
2186	495511.06	3859751.99	0.07103	0.03231	0.05058	0.06537	0.07181	0.15797	0.03112	0.0323	0.51857207	0.001333498	1.177E-07	0.002409359	0.023562	0.015549626	0.004927	0.00490956	0.561444
2187	495561.06	3859751.99	0.07042	0.03207	0.05006	0.06518	0.07002	0.15238	0.03088	0.0321	0.51411862	0.001323593	1.165E-07	0.002402356	0.022975	0.01499938	0.004889	0.00487309	0.555835
2188	495611.06	3859751.99	0.06981	0.03183	0.04961	0.06485	0.06881	0.14987	0.03066	0.0318	0.50966516	0.001313688	1.154E-07	0.002390193	0.022577	0.014752311	0.004854	0.00483662	0.550717
2189	495661.06	3859751.99	0.06916	0.03166	0.04973	0.06489	0.06768	0.14872	0.03028	0.0317	0.50491968	0.001306672	1.157E-07	0.002391667	0.022207	0.014639111	0.004794	0.00481079	0.545447
2190	494311.06	3859801.99	0.08492	0.04507	0.06603	0.08963	0.08888	0.30783	0.04187	0.0451	0.61997945	0.001860129	1.536E-07	0.003303516	0.029163	0.030300953	0.006629	0.00684846	0.684388
2191	494361.06	3859801.99	0.0846	0.04372	0.06511	0.08628	0.08931	0.40638	0.04102	0.0437	0.61764321	0.001804412	1.515E-07	0.003180044	0.029304	0.040001628	0.006495	0.00664333	0.691785
2192	494411.06	3859801.99	0.08415	0.04249	0.06416	0.08319	0.08938	0.62029	0.03974	0.0425	0.61435788	0.001753647	1.493E-07	0.003066155	0.029327	0.061057655	0.006292	0.00645643	0.709398
2193	494461.06	3859801.99	0.08321	0.04262	0.06396	0.0838	0.0897	0.6248	0.04033	0.0426	0.60749517	0.001759013	1.488E-07	0.003088638	0.029432	0.061501592	0.006386	0.00647618	0.703186
2194	494511.06	3859801.99	0.08223	0.04304	0.06378	0.08538	0.08837	0.52347	0.04084	0.043	0.60034044	0.001776347	1.484E-07	0.003146873	0.028995	0.05152727	0.006466	0.00654	0.685713
2195	494561.06	3859801.99	0.08165	0.04243	0.06321	0.08386	0.08668	0.43117	0.04039	0.0424	0.59610601	0.001751171	1.471E-07	0.003090849	0.028441	0.042441808	0.006395	0.00644731	0.671779
2196	494611.06	3859801.99	0.08142	0.04117	0.06184	0.08029	0.08329	0.36087	0.03885	0.0412	0.59442684	0.001699168	1.439E-07	0.002959269	0.027329	0.035521894	0.006151	0.00625585	0.661831
2197	494661.06	3859801.99	0.08089	0.04063	0.0612	0.07881	0.08295	0.31301	0.03823	0.0406	0.59055744	0.001676882	1.424E-07	0.00290472	0.027217	0.030810841	0.006053	0.0061738	0.653046
2198	494711.06	3859801.99	0.08043	0.03986	0.06015	0.07694	0.08428	0.28857	0.03756	0.0399	0.5871991	0.001645102	1.399E-07	0.002835797	0.027653	0.028405113	0.005947	0.00605679	0.647629
2199	494761.06	3859801.99	0.07954	0.03992	0.05988	0.07744	0.08719	0.26484	0.03792	0.0399	0.58070143	0.001647578	1.393E-07	0.002854226	0.028608	0.026069273	0.006004	0.00606591	0.639819
2200	494811.06	3859801.99	0.07901	0.03945	0.05954	0.07632	0.08976	0.25056	0.03744	0.0395	0.57683204	0.001628181	1.385E-07	0.002812946	0.029451	0.024663635	0.005928	0.00599449	0.635322
2201	494861.06	3859801.99	0.07837	0.0392	0.05962	0.07567	0.09155	0.2293	0.03722	0.0392	0.57215956	0.001617863	1.387E-07	0.002788989	0.030039	0.022570927	0.005893	0.00595651	0.629113
2202	494911.06	3859801.99	0.07788	0.03836	0.0594	0.07489	0.09159	0.21685	0.03669	0.0384	0.56858219	0.001583194	1.382E-07	0.00276024	0.030052	0.021345423	0.005809	0.00582887	0.624303
2203	494961.06	3859801.99	0.07714	0.03792	0.05869	0.07353	0.09259	0.20815	0.03639	0.0379	0.56317964	0.001565034	1.365E-07	0.002710114	0.03038	0.020489047	0.005762	0.00576201	0.618324
2204	495011.06	3859801.99	0.07627	0.03738	0.05763	0.07253	0.09473	0.2034	0.03601	0.0374	0.55682799	0.001542748	1.341E-07	0.002673257	0.031082	0.020021485	0.005702	0.00567995	0.612169
2205	495061.06	3859801.99	0.07537	0.037	0.05723	0.07197	0.09622	0.19798	0.03578	0.037	0.55025732	0.001527064	1.331E-07	0.002652617	0.031571	0.019487973	0.005665	0.00562221	0.605539
2206	495111.06	3859801.99	0.0746	0.03644	0.05681	0.07136	0.09934	0.19137	0.03526	0.0364	0.54463574	0.001503952	1.322E-07	0.002630134	0.032595	0.018837324	0.005583	0.00553712	0.600248
2207	495161.06	3859801.99	0.07383	0.03596	0.05637	0.07039	0.09905	0.18426	0.03479	0.036	0.53901416	0.001484141	1.311E-07	0.002594382	0.0325	0.018137457	0.005508	0.00546418	0.593774
2208	495211.06	3859801.99	0.0731	0.03564	0.05606	0.07022	0.09841	0.17869	0.03456	0.0356	0.53368462	0.001470934	1.304E-07	0.002588117	0.03229	0.01758918	0.005472	0.00541556	0.587679
2209	495261.06	3859801.99	0.07252	0.03515	0.05549	0.06932	0.09586	0.1698	0.03407	0.0352	0.52945019	0.001450711	1.291E-07	0.002554945	0.031453	0.016714101	0.005394	0.0053411	0.581676
2210	495311.06	3859801.99	0.07186	0.03495	0.05506	0.06919	0.09239	0.16691	0.03389	0.035	0.52463169	0.001442457	1.281E-07	0.002550154	0.030314	0.016429627	0.005366	0.00531071	0.575424
2211	495361.06	3859801.99	0.0715	0.03448	0.05442	0.06844	0.0892	0.16495	0.03352	0.0345	0.52200342	0.001423059	1.266E-07	0.002522511	0.029268	0.016236696	0.005307	0.00523929	0.571522
2212	495411.06	3859801.99	0.07122	0.03394	0.05383	0.06744	0.08531	0.16359	0.03305	0.0339	0.51995921	0.001400772	1.252E-07	0.002485653	0.027991	0.016102826	0.005233	0.00515724	0.568016
2213	495461.06	3859801.99	0.0709	0.03364	0.05337	0.06694	0.08452	0.15976	0.0327	0.0336	0.51762298	0.00138839	1.242E-07	0.002467225	0.027732	0.015725823	0.005177	0.00511165	0.565002
2214	495511.06	3859801.99	0.07066	0.03318	0.05264	0.06586	0.08215	0.15522	0.03199	0.0332	0.5158708	0.001369405	1.225E-07	0.002427419	0.026955	0.015278933	0.005065	0.00504176	0.561924
2215	495561.06	3859801.99	0.07032	0.03296	0.05221	0.06561	0.07839	0.15449	0.03173	0.033	0.51338854	0.001360325	1.215E-07	0.002418205	0.025721	0.015207076	0.005024	0.00500833	0.558111
2216	495611.06	3859801.99	0.06988	0.03287	0.05194	0.06585	0.07463	0.15187	0.03176	0.0329	0.51017621	0.001356611	1.208E-07	0.00242705	0.024487	0.014949179	0.005029	0.00499465	0.55343
2217	495661.06	3859801.99	0.06933	0.03252	0.05118	0.06509	0.07031	0.14983	0.03122	0.0325	0.5061608	0.001342166	1.191E-07	0.002399039	0.02307	0.014748373	0.004943	0.00494147	0.547722
2218	494311.06	3859851.99	0.08323	0.04689	0.06462	0.0887	0.08749	0.313	0.04276	0.0469	0.60764119	0.001935244	1.503E-07	0.003269239	0.028707	0.030809857	0.00677	0.00712501	0.672008
2219	494361.06	3859851.99	0.08279	0.04586	0.06381	0.08667	0.08719	0.40594	0.04214	0.0459	0.60442886	0.001892734	1.484E-07	0.003194418	0.028608	0.039958317	0.006672	0.0069685	0.677786
2220	494411.06	3859851.99	0.0824	0.04472	0.06335	0.08474	0.08709	0.61147	0.04148	0.0447	0.60158157	0.001845684	1.474E-07	0.003123284	0.028575	0.060189467	0.006568	0.00679528	0.695088
2221	494461.06	3859851.99	0.08187	0.0439	0.06283	0.08349	0.08623	0.6128	0.04107	0.0439	0.59771217	0.001811841	1.462E-07	0.003077212	0.028293	0.060320384	0.006503	0.00667068	0.691047
2222	494511.06	3859851.99	0.08109	0.04389	0.06287	0.08336	0.0873	0.5487	0.04111	0.0439	0.59201759	0.001811428	1.463E-07	0.003072421	0.028644	0.054010761	0.006509	0.00666916	0.679397
2223	494561.06	3859851.99	0.08024	0.0442	0.063	0.08398	0.08768	0.43019	0.04128	0.0442	0.58581195	0.001824223	1.466E-07	0.003095272	0.028769	0.042345343	0.006536	0.00671626	0.661666
2224	494611.06	3859851.99	0.08005	0.04252	0.06195	0.08121	0.08688	0.35873	0.04022	0.0425	0.58442481	0.001754886	1.441E-07	0.002993178	0.028506	0.035311246	0.006368	0.00646099	0.652898
2225	494661.06	3859851.99	0.07929	0.04243	0.06165	0.08126	0.08536	0.32647	0.04014	0.0424	0.57887624	0.001751171	1.434E-07	0.002995021	0.028008	0.032135763	0.006355	0.00644731	0.643674
2226	494711.06	3859851.99	0.07888	0.04129	0.0605	0.07937	0.08267	0.29039	0.03932	0.0413	0.57588294	0.001704121	1.407E-07	0.00292536	0.027125	0.028584263	0.006226	0.00627408	0.636173
2227	494761.06	3859851.99	0.07804	0.04161	0.06045	0.07994	0.08032	0.26402	0.03964	0.0416	0.56975031	0.001717328	1.406E-07	0.002946369	0.026354	0.025988557	0.006276	0.00632271	0.62671
2228	494811.06	3859851.99	0.07747	0.04101	0.05978	0.07892	0.08117	0.25642	0.03923	0.041	0.56558888	0.001692565	1.391E-07	0.002908775	0.026633	0.025240458	0.006211	0.00623154	0.622044
2229	494861.06	3859851.99	0.07679	0.04083	0.05936	0.07897	0.08305	0.23601	0.03911	0.0408	0.56062438	0.001685136	1.381E-07	0.002910618	0.02725	0.023231419	0.006192	0.00620419	0.61569
2230	494911.06	3859851.99	0.07628	0.04004	0.05887	0.07751	0.08552	0.22746	0.03843	0.04	0.556901	0.001652531	1.37E-07	0.002856806	0.02806	0.022389808	0.006085	0.00608415	0.611861
2231	494961.06	3859851.99	0.07586	0.0396	0.05845	0.07669	0.08802	0.21519	0.03803	0.0396	0.55383468	0.001634371	1.36E-07	0.002826583	0.028881	0.021182023	0.006021	0.00601729	0.608362
2232	495011.06	3859851.99	0.07526	0.03913	0.05758	0.07633	0.08915	0.20706	0.03761	0.0391	0.54945423	0.001614974	1.34E-07	0.002813314	0.029251	0.020381754	0.005955	0.00594587	0.603525
2233	495061.06	3859851.99	0.07454	0.03885	0.0567	0.07514	0.08945	0.2018	0.03736	0.0389	0.5441977	0.001603417	1.319E-07	0.002769454	0.02935	0.019863991	0.005915	0.00590332	0.597796
2234	495111.06	3859851.99	0.07394	0.0381	0.0562	0.07394	0.09064	0.19545	0.03668	0.0381	0.53981725	0.001572463	1.307E-07	0.002725226	0.02974	0.019238934	0.005808	0.00578936	0.593112
2235	495161.06	3859851.99	0.07329	0.03757	0.05592	0.07296	0.0926	0.19007	0.03621	0.0376	0.53507176	0.001550589	1.301E-07	0.002689105	0.030383	0.018709359	0.005733	0.00570882	0.588429
2236	495211.06	3859851.99	0.07262	0.03711	0.05561	0.07209	0.09444	0.18196	0.03581	0.0371	0.53018026	0.001531604	1.294E-07	0.00265704	0.030987	0.017911059	0.00567	0.00563893	0.583298
2237	495261.06	3859851.99	0.072	0.03659	0.05519	0.07125	0.09675	0.17907	0.03542	0.0366	0.5256538	0.001510143	1.284E-07	0.002626079	0.031745	0.017626585	0.005608	0.00555991	0.57921
2238	495311.06	3859851.99	0.07138	0.03627	0.05485	0.07032	0.09624	0.17712	0.03518	0.0363	0.52112733	0.001496936	1.276E-07	0.002591802	0.031578	0.017434638	0.00557	0.00551129	0.574287

2239	495361.06	3859851.99	0.07079	0.03589	0.05435	0.06943	0.09563	0.17093	0.03489	0.0359	0.51681989	0.001481252	1.264E-07	0.002558999	0.031377	0.016825332	0.005524	0.00545355	0.569134
2240	495411.06	3859851.99	0.0704	0.03538	0.05367	0.06847	0.09323	0.16099	0.03447	0.0354	0.5139726	0.001460203	1.249E-07	0.002523616	0.03059	0.015846897	0.005458	0.00537605	0.564475
2241	495461.06	3859851.99	0.07013	0.0349	0.05267	0.06769	0.08901	0.15636	0.03402	0.0349	0.5120014	0.001440393	1.225E-07	0.002494868	0.029205	0.015391148	0.005386	0.00530311	0.560617
2242	495511.06	3859851.99	0.06988	0.03433	0.05164	0.06676	0.08582	0.15348	0.03345	0.0343	0.51017621	0.001416868	1.201E-07	0.00246059	0.028159	0.015107658	0.005296	0.0052165	0.5574
2243	495561.06	3859851.99	0.06953	0.03404	0.0512	0.06656	0.08284	0.15242	0.03327	0.034	0.50762095	0.001404899	1.191E-07	0.002453219	0.027181	0.015003317	0.005268	0.00517244	0.553759
2244	495611.06	3859851.99	0.06921	0.03383	0.05092	0.06631	0.08218	0.14977	0.03304	0.0338	0.50528471	0.001396232	1.185E-07	0.002444005	0.026964	0.014742467	0.005231	0.00514053	0.550923
2245	495661.06	3859851.99	0.06896	0.03344	0.05047	0.06555	0.08021	0.14753	0.03252	0.0334	0.50345953	0.001380136	1.174E-07	0.002415993	0.026318	0.014521975	0.005149	0.00508126	0.548163
2246	494311.06	3859901.99	0.08171	0.04888	0.06806	0.08919	0.08157	0.32435	0.04454	0.0489	0.59654405	0.002017376	1.583E-07	0.003287299	0.026764	0.031927083	0.007052	0.0074274	0.660165
2247	494361.06	3859901.99	0.08144	0.04702	0.0666	0.08674	0.08296	0.41305	0.0433	0.047	0.59457285	0.00194061	1.549E-07	0.003196998	0.02722	0.040658183	0.006856	0.00714477	0.6673
2248	494411.06	3859901.99	0.08064	0.04677	0.06594	0.08634	0.08456	0.62053	0.04314	0.0468	0.58873225	0.001930292	1.534E-07	0.003182255	0.027745	0.061081279	0.00683	0.00710678	0.682395
2249	494461.06	3859901.99	0.08001	0.04593	0.06448	0.08531	0.08492	0.60703	0.04267	0.0459	0.58413278	0.001895623	1.5E-07	0.003144293	0.027863	0.059752419	0.006756	0.00697914	0.676566
2250	494511.06	3859901.99	0.07926	0.04557	0.06321	0.0849	0.08465	0.56976	0.04249	0.0456	0.57865722	0.001880765	1.471E-07	0.003129181	0.027775	0.056083783	0.006728	0.00692444	0.667329
2251	494561.06	3859901.99	0.07821	0.04632	0.06269	0.08575	0.08395	0.44798	0.04294	0.0463	0.57099144	0.001911719	1.458E-07	0.00316051	0.027545	0.044096484	0.006799	0.0070384	0.647466
2252	494611.06	3859901.99	0.07806	0.04431	0.06076	0.08318	0.08414	0.37053	0.04157	0.0443	0.56989633	0.001828762	1.414E-07	0.003065787	0.027607	0.036472767	0.006582	0.00673298	0.63872
2253	494661.06	3859901.99	0.07722	0.04485	0.06049	0.08383	0.08562	0.34115	0.04166	0.0449	0.5637637	0.001851049	1.407E-07	0.003089744	0.028093	0.033580775	0.006596	0.00681503	0.63016
2254	494711.06	3859901.99	0.07719	0.04303	0.05958	0.08147	0.08438	0.29564	0.04047	0.043	0.56354468	0.001775934	1.386E-07	0.003002761	0.027686	0.029101042	0.006408	0.00653848	0.62498
2255	494761.06	3859901.99	0.07657	0.04311	0.0594	0.08171	0.08379	0.27852	0.04046	0.0431	0.55901821	0.001779236	1.382E-07	0.003011606	0.027493	0.027415851	0.006406	0.00655064	0.618573
2256	494811.06	3859901.99	0.07595	0.04323	0.05925	0.08175	0.08219	0.27121	0.04046	0.0432	0.55449175	0.001784189	1.378E-07	0.003013081	0.026968	0.026696298	0.006406	0.00656887	0.61279
2257	494861.06	3859901.99	0.07546	0.04298	0.05893	0.08133	0.08002	0.25403	0.04023	0.043	0.55091438	0.001773871	1.371E-07	0.002997601	0.026256	0.025005201	0.00637	0.00653088	0.606786
2258	494911.06	3859901.99	0.07513	0.04219	0.05805	0.08025	0.07813	0.24198	0.03971	0.0422	0.54850514	0.001741266	1.35E-07	0.002957795	0.025636	0.023819071	0.006287	0.00641084	0.602535
2259	494961.06	3859901.99	0.07467	0.04188	0.05761	0.07965	0.07944	0.23996	0.03947	0.0419	0.54514679	0.001728472	1.34E-07	0.00293568	0.026065	0.023620234	0.006249	0.00636374	0.599382
2260	495011.06	3859901.99	0.07431	0.04127	0.05704	0.07857	0.08152	0.22561	0.03906	0.0413	0.54251852	0.001703296	1.327E-07	0.002895875	0.026748	0.022207705	0.006184	0.00627105	0.595987
2261	495061.06	3859901.99	0.07378	0.04076	0.05634	0.07768	0.08394	0.21312	0.03871	0.0408	0.53864913	0.001682247	1.311E-07	0.002863072	0.027542	0.020978264	0.006129	0.00619355	0.59165
2262	495111.06	3859901.99	0.07318	0.0399	0.05529	0.07647	0.08625	0.20671	0.03821	0.0399	0.53426868	0.001646753	1.286E-07	0.002818474	0.0283	0.020347302	0.00605	0.00606287	0.587368
2263	495161.06	3859901.99	0.07257	0.03916	0.05438	0.07536	0.08669	0.19789	0.03774	0.0392	0.52981522	0.001616212	1.265E-07	0.002777563	0.028444	0.019479114	0.005975	0.00595043	0.582157
2264	495211.06	3859901.99	0.07185	0.03888	0.05406	0.07483	0.087	0.19339	0.03751	0.0389	0.52455869	0.001604656	1.258E-07	0.002758028	0.028546	0.01903616	0.005939	0.00590788	0.576535
2265	495261.06	3859901.99	0.07128	0.03809	0.0534	0.0734	0.08848	0.18403	0.03692	0.0381	0.52039726	0.001572051	1.242E-07	0.002705323	0.029031	0.018114818	0.005846	0.00578784	0.571879
2266	495311.06	3859901.99	0.07058	0.03787	0.05345	0.07285	0.09015	0.17834	0.03667	0.0379	0.51528674	0.001562971	1.243E-07	0.002685051	0.029579	0.017554728	0.005806	0.00575441	0.566721
2267	495361.06	3859901.99	0.06995	0.03736	0.05321	0.07207	0.09264	0.17343	0.03623	0.0374	0.51068727	0.001541922	1.238E-07	0.002656302	0.030396	0.017071417	0.005736	0.00567691	0.562413
2268	495411.06	3859901.99	0.06936	0.03664	0.05245	0.07105	0.0943	0.16713	0.03564	0.0366	0.50637982	0.001512206	1.22E-07	0.002618708	0.030941	0.016451282	0.005643	0.00556751	0.557979
2269	495461.06	3859901.99	0.06883	0.03611	0.05127	0.0704	0.0937	0.16081	0.03515	0.0361	0.50251043	0.001490332	1.193E-07	0.002594751	0.030744	0.015829179	0.005565	0.00548698	0.553247
2270	495511.06	3859901.99	0.06849	0.03582	0.05069	0.06987	0.09286	0.15775	0.03492	0.0358	0.50002817	0.001478363	1.179E-07	0.002575216	0.030469	0.015527971	0.005529	0.00544291	0.550164
2271	495561.06	3859901.99	0.06815	0.03554	0.05036	0.0693	0.09061	0.15579	0.0346	0.0355	0.49754592	0.001466807	1.172E-07	0.002554208	0.02973	0.01533504	0.005478	0.00540036	0.54671
2272	495611.06	3859901.99	0.06789	0.03502	0.04993	0.06821	0.08615	0.1544	0.03416	0.035	0.49564773	0.001445346	1.162E-07	0.002514033	0.028267	0.015198217	0.005409	0.00532135	0.54316
2273	495661.06	3859901.99	0.06763	0.03446	0.04947	0.06694	0.08326	0.15127	0.03362	0.0345	0.49374953	0.001422233	1.151E-07	0.002467225	0.027319	0.014890118	0.005323	0.00523625	0.539935
2274	494311.06	3859951.99	0.0788	0.05063	0.0618	0.09131	0.07755	0.34753	0.0465	0.0506	0.57529888	0.002089602	1.438E-07	0.003365436	0.025445	0.034208784	0.007362	0.00769331	0.640077
2275	494361.06	3859951.99	0.0784	0.04964	0.06146	0.0897	0.07883	0.43174	0.04597	0.0496	0.57237858	0.002048742	1.43E-07	0.003306096	0.025865	0.042497915	0.007279	0.00754288	0.645832
2276	494411.06	3859951.99	0.07815	0.04859	0.06141	0.08832	0.07997	0.62877	0.04553	0.0486	0.57055339	0.002005407	1.429E-07	0.003255233	0.026239	0.061892376	0.007209	0.00738333	0.663771
2277	494461.06	3859951.99	0.07781	0.04778	0.06148	0.08731	0.08003	0.63009	0.045	0.0478	0.56807114	0.001971976	1.43E-07	0.003218007	0.026259	0.062022309	0.007125	0.00726025	0.661407
2278	494511.06	3859951.99	0.07727	0.04745	0.06179	0.08688	0.08156	0.6144	0.04472	0.0475	0.56412873	0.001958357	1.437E-07	0.003202158	0.026761	0.060477878	0.007081	0.00721011	0.656399
2279	494561.06	3859951.99	0.07632	0.0485	0.0628	0.08795	0.07865	0.46794	0.0451	0.0485	0.55719303	0.002001692	1.461E-07	0.003241596	0.025806	0.046061228	0.007141	0.00736966	0.634075
2280	494611.06	3859951.99	0.0763	0.04661	0.06213	0.08553	0.08146	0.40859	0.04389	0.0466	0.55704701	0.001923688	1.445E-07	0.003152401	0.026728	0.040219167	0.006949	0.00708247	0.628937
2281	494661.06	3859951.99	0.07559	0.04705	0.06208	0.08576	0.07906	0.37359	0.04373	0.0471	0.55186348	0.001941848	1.444E-07	0.003160878	0.025941	0.036773976	0.006924	0.00714933	0.619456
2282	494711.06	3859951.99	0.0755	0.04538	0.06085	0.08396	0.08163	0.33534	0.04245	0.0454	0.55120641	0.001872924	1.416E-07	0.003094535	0.026784	0.033008873	0.006721	0.00689557	0.615792
2283	494761.06	3859951.99	0.07498	0.04513	0.06047	0.08366	0.08249	0.31986	0.04225	0.0451	0.54741002	0.001862606	1.407E-07	0.003083478	0.027066	0.031485114	0.00669	0.00685758	0.610739
2284	494811.06	3859951.99	0.07452	0.0447	0.05999	0.08316	0.08305	0.30367	0.04195	0.0447	0.54405168	0.001844859	1.396E-07	0.003065049	0.02725	0.029891467	0.006642	0.00679224	0.605953
2285	494861.06	3859951.99	0.07395	0.0447	0.05972	0.08302	0.08157	0.28564	0.04191	0.0447	0.53989025	0.001844859	1.389E-07	0.003059889	0.026764	0.028116701	0.006636	0.00679224	0.59952
2286	494911.06	3859951.99	0.07366	0.04369	0.05902	0.08193	0.08049	0.26416	0.04123	0.0437	0.53777304	0.001803174	1.373E-07	0.003019715	0.02641	0.026002338	0.006528	0.00663877	0.594898
2287	494961.06	3859951.99	0.07333	0.04289	0.05829	0.08095	0.07922	0.24588	0.04064	0.0429	0.53536379	0.001770156	1.356E-07	0.002983595	0.025993	0.024202963	0.006435	0.00651721	0.590231
2288	495011.06	3859951.99	0.07297	0.04227	0.05801	0.08007	0.07688	0.23482	0.04014	0.0423	0.53273552	0.001744568	1.35E-07	0.00295116	0.025225	0.023114283	0.006355	0.006423	0.585703
2289	495061.06	3859951.99	0.07255	0.0419	0.05796	0.0794	0.07643	0.22582	0.03976	0.0419	0.52966921	0.001729297	1.348E-07	0.002926466	0.025078	0.022228376	0.006295	0.00636678	0.58156
2290	495111.06	3859951.99	0.07225	0.04116	0.05709	0.07828	0.07764	0.21376	0.03914	0.0412	0.52747898	0.001698756	1.328E-07	0.002885186	0.025475	0.021041262	0.006197	0.00625433	0.578522
2291	495161.06	3859951.99	0.07179	0.04055	0.0563	0.0772	0.07989	0.20257	0.03862	0.0406	0.52412064	0.00167358	1.31E-07	0.00284538	0.026213	0.019939785	0.006115	0.00616164	0.574746
2292	495211.06	3859951.99	0.07122	0.03998	0.05537	0.07611	0.08218	0.1937	0.03818	0.04	0.51995921	0.001650055	1.288E-07	0.002805206	0.026964	0.019066675	0.006045	0.00607503	0.570416
2293	495261.06	3859951.99	0.0706	0.03961	0.05473	0.07571	0.08416	0.18873	0.03781	0.0396	0.51543275	0.001634784	1.273E-07	0.002790463	0.027614	0.018577458	0.005987	0.00601881	0.566017
2294	495311.06	3859951.99	0.06991	0.03939	0.05436	0.07487	0.08456	0.18283	0.03762	0.0394	0.51039524	0.001625704	1.265E-07	0.002759503	0.027745	0.017996697	0.005956	0.00598538	0.560494
2295	495361.06	3859951.99	0.06929	0.03902	0.05349	0.0741	0.08484	0.17857	0.03728	0.039	0.50586877	0.001610434	1.244E-07	0.002731123	0.027837	0.017577368	0.005903	0.00592915	0.555598
2296	495411.06	3859951.99	0.06873	0.03833	0.05252	0.07298	0.08665	0.17343	0.03679	0.0383	0.50178035	0.001581956	1.222E-07	0.002689843	0.028431	0.017071417	0.005825	0.00582431	0.551555
2297	495461.06	3859951.99	0.06815	0.03774	0.05195	0.07208	0.08798	0.16824	0.03636	0.0377	0.49754592	0.001557605	1.209E-07	0.002656671	0.028867	0.016560544	0.005757	0.00573466	0.547211

2298	495511.06	3859951.99	0.06757	0.03715	0.05141	0.07134	0.0906	0.16341	0.03592	0.0372	0.49331149	0.001533255	1.196E-07	0.002629397	0.029727	0.016085108	0.005687	0.005645	0.543329
2299	495561.06	3859951.99	0.06703	0.03708	0.05189	0.07148	0.09175	0.16149	0.03571	0.0371	0.48936908	0.001530366	1.207E-07	0.002634557	0.030104	0.015896114	0.005654	0.00563437	0.539554
2300	495611.06	3859951.99	0.06675	0.03644	0.05135	0.07074	0.09119	0.15633	0.03524	0.0364	0.48732487	0.001503952	1.195E-07	0.002607282	0.029921	0.015388195	0.00558	0.00553712	0.536788
2301	495661.06	3859951.99	0.06655	0.03567	0.05045	0.06956	0.09003	0.14953	0.03461	0.0357	0.48586473	0.001472172	1.174E-07	0.002563791	0.02954	0.014718843	0.00548	0.00542012	0.534219
2302	494311.06	3860001.99	0.07795	0.05215	0.05863	0.09433	0.07106	0.43198	0.04775	0.0522	0.56909324	0.002152335	1.364E-07	0.003476745	0.023316	0.04252154	0.00756	0.00792428	0.640196
2303	494361.06	3860001.99	0.07761	0.05155	0.05867	0.09308	0.07279	0.51263	0.04728	0.0516	0.56661099	0.002127572	1.365E-07	0.003430673	0.023883	0.050460245	0.007486	0.00783311	0.646166
2304	494411.06	3860001.99	0.07749	0.05043	0.05821	0.09171	0.07449	0.66883	0.04638	0.0504	0.5657349	0.002081347	1.354E-07	0.003380179	0.024441	0.065835644	0.007343	0.00766292	0.661154
2305	494461.06	3860001.99	0.07704	0.04992	0.05854	0.09126	0.07617	0.74621	0.04619	0.0499	0.56244956	0.002060298	1.362E-07	0.003363593	0.024992	0.07345247	0.007313	0.00758543	0.666046
2306	494511.06	3860001.99	0.07678	0.04897	0.05822	0.08983	0.07741	0.69394	0.04554	0.049	0.56055137	0.00202109	1.354E-07	0.003310887	0.025399	0.068307322	0.00721	0.00744107	0.659359
2307	494561.06	3860001.99	0.07572	0.05016	0.05896	0.09113	0.07836	0.546	0.04678	0.0502	0.55281258	0.002070204	1.372E-07	0.003358802	0.025711	0.05374499	0.007407	0.0076219	0.637483
2308	494611.06	3860001.99	0.07553	0.04926	0.05861	0.08955	0.07869	0.46236	0.04605	0.0493	0.55142543	0.002033059	1.363E-07	0.003300567	0.025819	0.045511966	0.007291	0.00748514	0.627896
2309	494661.06	3860001.99	0.07503	0.04892	0.05854	0.08889	0.07739	0.41602	0.04567	0.0489	0.54777506	0.002019026	1.362E-07	0.003276241	0.025393	0.040950532	0.007231	0.00743348	0.619211
2310	494711.06	3860001.99	0.07515	0.04663	0.05756	0.08582	0.07658	0.36663	0.04392	0.0466	0.54865115	0.001924514	1.339E-07	0.00316309	0.025127	0.036088875	0.006954	0.00708551	0.614823
2311	494761.06	3860001.99	0.07435	0.0471	0.05779	0.08665	0.07712	0.33849	0.04404	0.0471	0.54281055	0.001943911	1.344E-07	0.003193681	0.025304	0.033318941	0.006973	0.00715692	0.606387
2312	494811.06	3860001.99	0.07381	0.04696	0.05742	0.08634	0.07696	0.31222	0.0438	0.047	0.53886815	0.001938133	1.336E-07	0.003182255	0.025252	0.030733078	0.006935	0.00713565	0.599773
2313	494861.06	3860001.99	0.07322	0.047	0.05728	0.08598	0.07696	0.29228	0.0438	0.047	0.53456071	0.001939784	1.333E-07	0.003168987	0.025252	0.028770303	0.006935	0.00714173	0.593485
2314	494911.06	3860001.99	0.07324	0.0449	0.05597	0.08378	0.08065	0.25934	0.0425	0.0449	0.53470672	0.001853113	1.302E-07	0.003087901	0.026462	0.025527886	0.006729	0.00682263	0.591545
2315	494961.06	3860001.99	0.07269	0.04466	0.05653	0.08349	0.07674	0.2467	0.04227	0.0447	0.53069131	0.001843208	1.315E-07	0.003077212	0.025179	0.024283679	0.006693	0.00678616	0.584981
2316	495011.06	3860001.99	0.07232	0.04385	0.0567	0.08249	0.07906	0.2333	0.04162	0.0439	0.52799004	0.001809777	1.319E-07	0.003040355	0.025941	0.022964663	0.00659	0.00666308	0.581672
2317	495061.06	3860001.99	0.07176	0.04364	0.057	0.0822	0.07769	0.22402	0.04139	0.0436	0.52390162	0.00180111	1.326E-07	0.003029666	0.025491	0.022051195	0.006553	0.00663117	0.576197
2318	495111.06	3860001.99	0.0714	0.0428	0.05658	0.08112	0.07637	0.21305	0.04075	0.0428	0.52127335	0.001766442	1.316E-07	0.002989861	0.025058	0.020971374	0.006452	0.00650353	0.572008
2319	495161.06	3860001.99	0.07104	0.04207	0.05622	0.08004	0.07416	0.20307	0.04012	0.0421	0.51864508	0.001736313	1.308E-07	0.002950055	0.024333	0.019989002	0.006352	0.00639261	0.567613
2320	495211.06	3860001.99	0.07049	0.04179	0.05651	0.07962	0.07479	0.19816	0.03986	0.0418	0.51462967	0.001724757	1.315E-07	0.002934575	0.02454	0.019505691	0.006311	0.00635006	0.563295
2321	495261.06	3860001.99	0.0701	0.04125	0.05593	0.07861	0.07629	0.19003	0.0393	0.0413	0.51178238	0.00170247	1.301E-07	0.002897349	0.025032	0.018705422	0.006222	0.00626801	0.560074
2322	495311.06	3860001.99	0.06955	0.041	0.05541	0.07784	0.07855	0.18606	0.0389	0.041	0.50776697	0.001692152	1.289E-07	0.002868969	0.025773	0.018314639	0.006159	0.00623002	0.556345
2323	495361.06	3860001.99	0.06903	0.04015	0.05464	0.07573	0.08063	0.18058	0.03799	0.0402	0.50397058	0.001657071	1.271E-07	0.0027912	0.026456	0.01777522	0.006015	0.00610086	0.552564
2324	495411.06	3860001.99	0.06836	0.04001	0.05518	0.07567	0.08229	0.17742	0.03791	0.04	0.49907908	0.001651293	1.284E-07	0.002788989	0.027	0.017464169	0.006002	0.00607959	0.547907
2325	495461.06	3860001.99	0.06783	0.03957	0.05479	0.07435	0.08252	0.1737	0.03745	0.0396	0.49520968	0.001633133	1.275E-07	0.002740337	0.027076	0.017097994	0.00593	0.00601273	0.543674
2326	495511.06	3860001.99	0.06728	0.03914	0.05404	0.07347	0.08306	0.16915	0.03701	0.0391	0.49119427	0.001615386	1.257E-07	0.002707903	0.027253	0.016650119	0.00586	0.00594739	0.539333
2327	495561.06	3860001.99	0.06668	0.03894	0.05376	0.07289	0.08509	0.16563	0.03675	0.0389	0.48681382	0.001607132	1.251E-07	0.002686525	0.027919	0.016303631	0.005819	0.005917	0.535232
2328	495611.06	3860001.99	0.06619	0.03817	0.0525	0.07165	0.08644	0.15862	0.03618	0.0382	0.48323646	0.001575352	1.221E-07	0.002640822	0.028362	0.015613609	0.005728	0.0058	0.531357
2329	495661.06	3860001.99	0.06587	0.03747	0.05116	0.07066	0.08889	0.15451	0.03563	0.0375	0.48090022	0.001546462	1.19E-07	0.002604334	0.029166	0.015209045	0.005641	0.00569363	0.529374
2330	494411.06	3860051.99	0.07626	0.0522	0.05626	0.09367	0.06833	1.44181	0.04813	0.0522	0.55675498	0.002154399	1.309E-07	0.003452419	0.02242	0.141923193	0.007621	0.00793188	0.726394
2331	494461.06	3860051.99	0.07589	0.05153	0.05553	0.09268	0.06979	1.37324	0.04749	0.0515	0.5540537	0.002126746	1.292E-07	0.00341593	0.022899	0.13517357	0.007519	0.00783007	0.717358
2332	494511.06	3860051.99	0.07549	0.05085	0.05527	0.09183	0.07159	0.85944	0.04702	0.0509	0.5511334	0.002098681	1.286E-07	0.003384602	0.02349	0.084598157	0.007445	0.00772674	0.664423
2333	494561.06	3860051.99	0.07472	0.05082	0.05592	0.09133	0.07326	0.58668	0.04768	0.0508	0.54551183	0.002097443	1.301E-07	0.003366173	0.024038	0.057749287	0.007549	0.00772218	0.63259
2334	494611.06	3860051.99	0.0742	0.05057	0.05601	0.0911	0.07484	0.47804	0.04766	0.0506	0.54171544	0.002087125	1.303E-07	0.003357696	0.024556	0.047055412	0.007546	0.0076842	0.618634
2335	494661.06	3860051.99	0.07376	0.05025	0.0561	0.09069	0.07606	0.41811	0.04729	0.0503	0.53850311	0.002073918	1.305E-07	0.003342585	0.024956	0.041156259	0.007488	0.00763557	0.609884
2336	494711.06	3860051.99	0.07368	0.04926	0.0556	0.08906	0.07632	0.37788	0.04605	0.0493	0.53791905	0.002033059	1.293E-07	0.003282507	0.025042	0.037196258	0.007291	0.00748514	0.605279
2337	494761.06	3860051.99	0.07313	0.04896	0.05601	0.08847	0.07618	0.3488	0.04577	0.049	0.53390364	0.002020677	1.303E-07	0.003260761	0.024996	0.034333796	0.007247	0.00743955	0.598322
2338	494811.06	3860051.99	0.07242	0.04894	0.05681	0.0883	0.07526	0.32188	0.04592	0.0489	0.52872011	0.002019852	1.322E-07	0.003254496	0.024694	0.031683951	0.007271	0.00743652	0.590206
2339	494861.06	3860051.99	0.07177	0.04901	0.0573	0.08798	0.07498	0.29614	0.04591	0.049	0.52397463	0.002022741	1.333E-07	0.003242701	0.024602	0.029150259	0.007269	0.00744715	0.582814
2340	494911.06	3860051.99	0.07152	0.04808	0.0572	0.08653	0.07514	0.27468	0.04513	0.0481	0.52214944	0.001984358	1.331E-07	0.003189258	0.024654	0.027037864	0.007146	0.00730584	0.578855
2341	494961.06	3860051.99	0.07128	0.0473	0.05659	0.08537	0.07493	0.25478	0.04404	0.0473	0.52039726	0.001952166	1.317E-07	0.003146504	0.024586	0.025079026	0.006973	0.00718731	0.574946
2342	495011.06	3860051.99	0.07097	0.04666	0.05613	0.08462	0.07527	0.23727	0.04312	0.0467	0.51813403	0.001925752	1.306E-07	0.003118861	0.024697	0.023355446	0.006827	0.00709007	0.570969
2343	495061.06	3860051.99	0.07054	0.04604	0.05583	0.08399	0.07511	0.22724	0.04257	0.046	0.51499471	0.001900163	1.299E-07	0.003095641	0.024645	0.022368153	0.00674	0.00699586	0.566748
2344	495111.06	3860051.99	0.07022	0.04505	0.05534	0.08273	0.07474	0.2163	0.04172	0.0451	0.51265847	0.001859304	1.287E-07	0.003049201	0.024523	0.021291284	0.006606	0.00684542	0.563142
2345	495161.06	3860051.99	0.06977	0.04439	0.0551	0.08165	0.0739	0.20813	0.04137	0.0444	0.50937313	0.001832064	1.282E-07	0.003009395	0.024248	0.020487078	0.00655	0.00674514	0.558754
2346	495211.06	3860051.99	0.06938	0.04359	0.05486	0.08025	0.07523	0.20025	0.04099	0.0436	0.50652584	0.001799047	1.276E-07	0.002957795	0.024684	0.019711418	0.00649	0.00662357	0.555545
2347	495261.06	3860051.99	0.0689	0.04313	0.05469	0.0794	0.07355	0.19408	0.0407	0.0431	0.50302148	0.001780062	1.272E-07	0.002926466	0.024133	0.01910408	0.006444	0.00655368	0.550855
2348	495311.06	3860051.99	0.0684	0.04286	0.05496	0.07874	0.07216	0.19026	0.04047	0.0429	0.49937111	0.001768918	1.279E-07	0.00290214	0.023677	0.018728062	0.006408	0.00651265	0.546342
2349	495361.06	3860051.99	0.06795	0.04229	0.0553	0.07795	0.07323	0.18163	0.04006	0.0423	0.49608577	0.001745393	1.286E-07	0.002873023	0.024028	0.017878576	0.006343	0.00642604	0.542527
2350	495411.06	3860051.99	0.06754	0.04175	0.05558	0.07707	0.07507	0.17707	0.03956	0.0418	0.49309246	0.001723106	1.293E-07	0.002840589	0.024631	0.017429717	0.006264	0.00634398	0.539637
2351	495461.06	3860051.99	0.06716	0.04117	0.05536	0.07605	0.07716	0.17294	0.03895	0.0412	0.49031818	0.001699168	1.288E-07	0.002802994	0.025317	0.017023184	0.006167	0.00625585	0.537072
2352	495511.06	3860051.99	0.06672	0.04088	0.05531	0.07544	0.07932	0.17022	0.03862	0.0409	0.48710585	0.0016872	1.287E-07	0.002780511	0.026026	0.016755443	0.006115	0.00621178	0.534258
2353	495561.06	3860051.99	0.06633	0.04054	0.05495	0.07461	0.08054	0.16675	0.03813	0.0405	0.48425856	0.001673167	1.278E-07	0.00274992	0.026426	0.016413877	0.006037	0.00616012	0.531399
2354	495611.06	3860051.99	0.06592	0.03993	0.05464	0.07348	0.08071	0.15917	0.03759	0.0399	0.48126525	0.001647991	1.271E-07	0.002708271	0.026482	0.015667747	0.005952	0.00606743	0.527656
2355	495661.06	3860051.99	0.06549	0.03915	0.05419	0.07205	0.08131	0.15469	0.03699	0.0392	0.47812593	0.001615799	1.261E-07	0.002655565	0.026679	0.015226763	0.005857	0.00594891	0.524211
2356	494411.06	3860101.99	0.07524	0.05329	0.05915	0.09674	0.06368	0.77323	0.04946	0.0533	0.54930822	0.002199385	1.376E-07	0.003565571	0.020894	0.076112158	0.007831	0.00809751	0.651813

2357	494461.06	3860101.99	0.0744	0.05318	0.05896	0.09584	0.06446	0.61473	0.0496	0.0532
2358	494511.06	3860101.99	0.07416	0.05214	0.05729	0.09397	0.06586	0.51928	0.04873	0.0521
2359	494561.06	3860101.99	0.0736	0.05186	0.05704	0.09346	0.06722	0.44939	0.04857	0.0519
2360	494611.06	3860101.99	0.07284	0.05201	0.05713	0.09282	0.06848	0.41642	0.04905	0.052
2361	494661.06	3860101.99	0.07232	0.05175	0.05671	0.09164	0.07031	0.39321	0.04874	0.0518
2362	494711.06	3860101.99	0.0721	0.05078	0.05534	0.09021	0.07194	0.35728	0.04752	0.0508
2363	494761.06	3860101.99	0.07154	0.05043	0.05492	0.08937	0.07346	0.3379	0.04726	0.0504
2364	494811.06	3860101.99	0.07093	0.05012	0.0547	0.0891	0.07464	0.31041	0.04705	0.0501
2365	494861.06	3860101.99	0.06981	0.05108	0.056	0.08881	0.07425	0.28929	0.04763	0.0511
2366	494911.06	3860101.99	0.07012	0.04899	0.05402	0.08795	0.07356	0.26978	0.04577	0.049
2367	494961.06	3860101.99	0.06962	0.04861	0.05413	0.08717	0.07329	0.25914	0.04546	0.0486
2368	495011.06	3860101.99	0.06929	0.048	0.05397	0.08627	0.07301	0.2454	0.04454	0.048
2369	495061.06	3860101.99	0.06892	0.04744	0.05377	0.08555	0.07317	0.23075	0.0438	0.0474
2370	495111.06	3860101.99	0.06866	0.04669	0.05348	0.08461	0.07329	0.21583	0.04283	0.0467
2371	495161.06	3860101.99	0.06816	0.04642	0.05339	0.08418	0.0735	0.21009	0.04256	0.0464
2372	495211.06	3860101.99	0.06776	0.04598	0.05301	0.08319	0.07318	0.20423	0.04206	0.046
2373	495261.06	3860101.99	0.06737	0.04552	0.05268	0.08219	0.07281	0.19861	0.04154	0.0455
2374	495311.06	3860101.99	0.06696	0.04501	0.05243	0.08132	0.07158	0.19253	0.04117	0.045
2375	495361.06	3860101.99	0.06649	0.04469	0.05229	0.08068	0.07125	0.18564	0.04099	0.0447
2376	495411.06	3860101.99	0.06613	0.04403	0.05197	0.07969	0.07121	0.17651	0.04061	0.044
2377	495461.06	3860101.99	0.06589	0.04306	0.05153	0.07787	0.07141	0.16872	0.04009	0.0431
2378	495511.06	3860101.99	0.06543	0.04275	0.05185	0.07735	0.07295	0.16559	0.03992	0.0428
2379	495561.06	3860101.99	0.06499	0.04245	0.05219	0.07699	0.07567	0.16205	0.03974	0.0425
2380	495611.06	3860101.99	0.06475	0.0416	0.0518	0.07565	0.07579	0.15436	0.03924	0.0416
2381	495661.06	3860101.99	0.06439	0.0411	0.05196	0.07485	0.07782	0.14949	0.03887	0.0411
2382	494861.06	3860151.99	0.06829	0.05355	0.0592	0.0902	0.07033	0.28976	0.05051	0.0536
2383	494911.06	3860151.99	0.06895	0.05096	0.05627	0.08789	0.07205	0.27332	0.04802	0.051
2384	494961.06	3860151.99	0.06868	0.05022	0.05546	0.08717	0.07264	0.26098	0.0472	0.0502
2385	495011.06	3860151.99	0.06841	0.0495	0.05455	0.08644	0.07208	0.25048	0.04636	0.0495
2386	495061.06	3860151.99	0.06813	0.04884	0.0539	0.08578	0.07171	0.23596	0.04568	0.0488
2387	495111.06	3860151.99	0.06778	0.04832	0.0535	0.08512	0.07145	0.21762	0.04517	0.0483
2388	495161.06	3860151.99	0.06737	0.04787	0.0532	0.08457	0.07118	0.20506	0.04468	0.0479
2389	495211.06	3860151.99	0.06698	0.04735	0.05285	0.08399	0.07131	0.19949	0.04408	0.0474
2390	495261.06	3860151.99	0.06653	0.04696	0.05278	0.08356	0.07179	0.19421	0.04365	0.047
2391	495311.06	3860151.99	0.06609	0.04657	0.05247	0.0831	0.07168	0.18753	0.0432	0.0466
2392	495361.06	3860151.99	0.06564	0.04622	0.05221	0.08257	0.07135	0.17702	0.04282	0.0462
2393	495411.06	3860151.99	0.06524	0.04581	0.05183	0.08183	0.07059	0.17031	0.04231	0.0458
2394	495461.06	3860151.99	0.06483	0.0454	0.05145	0.08115	0.06963	0.16439	0.04183	0.0454
2395	495511.06	3860151.99	0.0645	0.04485	0.05099	0.08	0.06946	0.16039	0.04122	0.0449
2396	495561.06	3860151.99	0.06408	0.04448	0.05073	0.0793	0.0694	0.15699	0.04086	0.0445
2397	495611.06	3860151.99	0.06373	0.0439	0.05046	0.07812	0.06959	0.15237	0.04041	0.0439
2398	495661.06	3860151.99	0.06341	0.04322	0.0501	0.07682	0.07137	0.14894	0.03999	0.0432
2399	495718.25	3859442.96	0.0718	0.02395	0.04382	0.0584	0.08446	0.16507	0.02463	0.024
2400	495818.25	3859442.96	0.07074	0.02343	0.04262	0.05619	0.0836	0.15154	0.02424	0.0234
2401	495918.25	3859442.96	0.06964	0.02316	0.04143	0.05504	0.08483	0.14659	0.02395	0.0232
2402	496018.25	3859442.96	0.06872	0.02287	0.04049	0.05423	0.08655	0.14019	0.02373	0.0229
2403	496118.25	3859442.96	0.06797	0.02303	0.04126	0.05518	0.08927	0.13151	0.02383	0.023
2404	496218.25	3859442.96	0.06714	0.02302	0.04225	0.05535	0.08787	0.12635	0.02366	0.023
2405	496318.25	3859442.96	0.0664	0.02283	0.04144	0.05477	0.08434	0.12778	0.02342	0.0228
2406	496418.25	3859442.96	0.06568	0.02258	0.04081	0.05389	0.08077	0.12279	0.02311	0.0226
2407	495718.25	3859542.96	0.07062	0.0256	0.04249	0.05844	0.09362	0.14483	0.02581	0.0256
2408	495818.25	3859542.96	0.06955	0.02505	0.0415	0.0578	0.09051	0.13623	0.02549	0.0251
2409	495918.25	3859542.96	0.06853	0.02455	0.04076	0.05703	0.08652	0.12592	0.02504	0.0246
2410	496018.25	3859542.96	0.06758	0.02413	0.04004	0.05636	0.08167	0.12042	0.02475	0.0241
2411	496118.25	3859542.96	0.0669	0.02448	0.03982	0.05799	0.07971	0.11903	0.02492	0.0245
2412	496218.25	3859542.96	0.06624	0.02462	0.03935	0.05856	0.08057	0.1171	0.02502	0.0246
2413	496318.25	3859542.96	0.06555	0.02472	0.0392	0.05864	0.0822	0.11269	0.02514	0.0247
2414	496418.25	3859542.96	0.06479	0.02415	0.03885	0.05695	0.08474	0.11006	0.02462	0.0242
2415	495718.25	3859642.96	0.0699	0.02786	0.04381	0.06053	0.07827	0.14046	0.02741	0.0279

0.54317559	0.002194845	1.372E-07	0.003532399	0.02115	0.060510362	0.007853	0.00808079	0.630336
0.54142341	0.002151922	1.333E-07	0.003463476	0.02161	0.051114832	0.007716	0.00792276	0.619556
0.53733499	0.002140366	1.327E-07	0.003444679	0.022056	0.044235276	0.00769	0.00788021	0.609021
0.53178642	0.002146557	1.329E-07	0.00342109	0.022469	0.040989906	0.007766	0.00790301	0.600676
0.52799004	0.002135826	1.319E-07	0.003377599	0.02307	0.038705252	0.007717	0.0078635	0.595132
0.52638387	0.002095792	1.287E-07	0.003324893	0.023604	0.035168516	0.007524	0.00771611	0.590386
0.52229545	0.002081347	1.278E-07	0.003293933	0.024103	0.033260864	0.007483	0.00766292	0.584855
0.517842	0.002068553	1.273E-07	0.003283982	0.02449	0.030554912	0.00745	0.00761582	0.578074
0.50966516	0.002108174	1.303E-07	0.003273293	0.024362	0.028475985	0.007541	0.00776169	0.567665
0.51192839	0.002021915	1.257E-07	0.003241596	0.024136	0.026555537	0.007247	0.00744411	0.567686
0.50827802	0.002006232	1.259E-07	0.003212847	0.024047	0.025508199	0.007198	0.00738637	0.562864
0.50586877	0.001981056	1.256E-07	0.003179675	0.023956	0.024155715	0.007052	0.00729368	0.558899
0.5031675	0.001957944	1.251E-07	0.003153138	0.024008	0.022713656	0.006935	0.00720859	0.554727
0.5012693	0.00192699	1.244E-07	0.003118492	0.024047	0.02124502	0.006781	0.00709462	0.551294
0.49761893	0.001915846	1.242E-07	0.003102644	0.024116	0.020680009	0.006739	0.0070536	0.547119
0.49469863	0.001897687	1.233E-07	0.003066155	0.024011	0.020103185	0.006659	0.00698674	0.54345
0.49185134	0.001878702	1.226E-07	0.003029298	0.02389	0.019549986	0.006577	0.00691684	0.53986
0.48885803	0.001857653	1.22E-07	0.002997232	0.023486	0.018951507	0.006519	0.00683935	0.53583
0.48542668	0.001844446	1.216E-07	0.002973643	0.023378	0.018273296	0.00649	0.00679072	0.531596
0.48279841	0.001817206	1.209E-07	0.002937155	0.023365	0.017374594	0.00643	0.00669043	0.528032
0.48104623	0.001777172	1.199E-07	0.002870075	0.023431	0.016607792	0.006348	0.00654304	0.525536
0.47768789	0.001764378	1.206E-07	0.002850909	0.023936	0.016299694	0.006321	0.00649593	0.522364
0.47447556	0.001751997	1.214E-07	0.00283764	0.024828	0.015951237	0.006292	0.00645035	0.519687
0.47272338	0.001716915	1.205E-07	0.002788251	0.024868	0.015194279	0.006213	0.00632119	0.517182
0.47009511	0.001696279	1.209E-07	0.002758766	0.025534	0.014714906	0.006154	0.00624521	0.514708
0.49856803	0.002210116	1.377E-07	0.003324524	0.023076	0.028522249	0.007997	0.00813701	0.555562
0.50338652	0.002103221	1.309E-07	0.003239384	0.023641	0.026903994	0.007603	0.00774346	0.559133
0.50141532	0.00207268	1.29E-07	0.003212847	0.023834	0.025689318	0.007473	0.00763101	0.556067
0.49944411	0.002042964	1.269E-07	0.003185941	0.02365	0.02465576	0.00734	0.00752161	0.552798
0.49739991	0.002015725	1.254E-07	0.003161615	0.023529	0.023226498	0.007233	0.00742132	0.549144
0.49484464	0.001994263	1.245E-07	0.00313729	0.023444	0.021421217	0.007152	0.00734231	0.544651
0.49185134	0.001975691	1.238E-07	0.003117018	0.023355	0.020184886	0.007074	0.00727393	0.540285
0.48900405	0.001954229	1.229E-07	0.003095641	0.023398	0.019636608	0.006979	0.00719491	0.536873
0.48571871	0.001938133	1.228E-07	0.003079792	0.023555	0.019116876	0.006911	0.00713565	0.533184
0.48250638	0.001922037	1.221E-07	0.003062838	0.023519	0.018459337	0.00684	0.00707639	0.529233
0.47922105	0.001907592	1.215E-07	0.003043304	0.023411	0.017424795	0.00678	0.00702321	0.524764
0.47630075	0.00189067	1.206E-07	0.003016029	0.023162	0.016764303	0.006699	0.00696091	0.520872
0.47330744	0.001873749	1.197E-07	0.002990966	0.022847	0.016181573	0.006623	0.00689861	0.516925
0.47089819	0.001851049	1.186E-07	0.00294858	0.022791	0.015787837	0.006526	0.00681503	0.513988
0.46783188	0.001835779	1.18E-07	0.00292278	0.022771	0.015453161	0.006469	0.00675881	0.510525
0.46527662	0.001811841	1.174E-07	0.002879289	0.022833	0.014998396	0.006398	0.00667068	0.507527
0.46294038	0.001783776	1.166E-07	0.002831374	0.023417	0.014660767	0.006332	0.00656735	0.505398
0.52419365	0.000988464	1.019E-07	0.002152464	0.027712	0.016248508	0.0039	0.00363924	0.571556
0.51645486	0.000967003	9.915E-08	0.002071009	0.02743	0.014916695	0.003838	0.00356023	0.562118
0.50842403	0.00095586	9.638E-08	0.002028623	0.027834	0.014429447	0.003792	0.0035192	0.553945
0.50170735	0.000943891	9.42E-08	0.001998769	0.028398	0.013799469	0.003757	0.00347513	0.54713
0.49623179	0.000950494	9.599E-08	0.002033783	0.029291	0.012945061	0.003773	0.00349945	0.541726
0.49017217	0.000950082	9.829E-08	0.002040049	0.028831	0.012437142	0.003746	0.00349793	0.534679
0.48476961	0.00094224	9.641E-08	0.002018672	0.027673	0.012577903	0.003708	0.00346906	0.528221
0.47951308	0.000931922	9.494E-08	0.001986238	0.026502	0.012086717	0.003659	0.00343107	0.521248
0.51557877	0.001056563	9.885E-08	0.002153938	0.030718	0.014256203	0.004087	0.00388996	0.56396
0.50776697	0.001033864	9.655E-08	0.002130349	0.029698	0.01340967	0.004036	0.00380639	0.554268
0.5003202	0.001013228	9.482E-08	0.002101969	0.028388	0.012394815	0.003965	0.00373041	0.544453
0.49338449	0.000995893	9.315E-08	0.002077275	0.026797	0.011853428	0.003919	0.00366659	0.53536
0.48841999	0.001010339	9.264E-08	0.002137352	0.026154	0.011716605	0.003946	0.00371978	0.529664
0.48360149	0.001016117	9.154E-08	0.002158361	0.026436	0.011526627	0.003961	0.00374105	0.524959
0.47856398	0.001020244	9.119E-08	0.002161309	0.026971	0.011092533	0.00398	0.00375625	0.520033
0.47301541	0.000996719	9.038E-08	0.002099021	0.027804	0.010833651	0.003898	0.00366963	0.514978
0.51032223	0.001149838	1.019E-07	0.00223097	0.025681	0.013826046	0.00434	0.00423337	0.553317

2416	495818.25	3859642.96	0.06838	0.02711	0.0414	0.05941	0.0791	0.13501	0.02695	0.0271	0.49922509	0.001118884	9.631E-08	0.00218969	0.025954	0.013289581	0.004267	0.00411941	0.541925
2417	495918.25	3859642.96	0.06709	0.02683	0.04049	0.05941	0.08054	0.12866	0.02675	0.0268	0.48980713	0.001107328	9.42E-08	0.00218969	0.026426	0.012664524	0.004235	0.00407686	0.532354
2418	496018.25	3859642.96	0.06581	0.0263	0.03993	0.05898	0.08552	0.12191	0.02632	0.0263	0.48046217	0.001085454	9.289E-08	0.002173841	0.02806	0.012000095	0.004167	0.00399633	0.523953
2419	496118.25	3859642.96	0.06503	0.02709	0.04072	0.06105	0.0893	0.12032	0.02694	0.0271	0.47476759	0.001118059	9.473E-08	0.002250135	0.029301	0.011843585	0.004265	0.00411637	0.519429
2420	496218.25	3859642.96	0.06456	0.02745	0.04119	0.06242	0.08594	0.11845	0.02705	0.0275	0.47133624	0.001132917	9.582E-08	0.00230063	0.028198	0.011659513	0.004283	0.00417107	0.514739
2421	496318.25	3859642.96	0.06387	0.02689	0.04026	0.06177	0.08425	0.11444	0.02658	0.0269	0.46629872	0.001109804	9.366E-08	0.002276673	0.027644	0.011264792	0.004208	0.00408598	0.508716
2422	496418.25	3859642.96	0.06335	0.02467	0.03833	0.05752	0.07634	0.10876	0.02516	0.0247	0.46250233	0.00101818	8.917E-08	0.002120029	0.025048	0.010705687	0.003984	0.00374865	0.501629
2423	495718.25	3859742.96	0.06859	0.03125	0.04928	0.06408	0.06678	0.14488	0.02964	0.0313	0.50075825	0.00128975	1.146E-07	0.002361813	0.021911	0.014261125	0.004693	0.00474849	0.540527
2424	495818.25	3859742.96	0.06753	0.03043	0.04657	0.06207	0.06801	0.13949	0.02892	0.0304	0.49301946	0.001255907	1.083E-07	0.00228773	0.022315	0.013730565	0.004579	0.00462389	0.532564
2425	495918.25	3859742.96	0.06622	0.02983	0.04354	0.06106	0.07224	0.13215	0.02844	0.0298	0.48345548	0.001231144	1.013E-07	0.002250504	0.023703	0.013008059	0.004503	0.00453272	0.523618
2426	496018.25	3859742.96	0.06519	0.02915	0.04168	0.06046	0.07252	0.12702	0.02809	0.0292	0.47593571	0.001203079	9.696E-08	0.00222839	0.023795	0.012503093	0.004448	0.00442939	0.515683
2427	496118.25	3859742.96	0.06456	0.02958	0.04113	0.06135	0.07503	0.12413	0.02819	0.0296	0.47133624	0.001220826	9.568E-08	0.002261193	0.024618	0.012218618	0.004463	0.00449473	0.511624
2428	496218.25	3859742.96	0.06365	0.0299	0.04082	0.06319	0.07773	0.12461	0.02848	0.0299	0.46469256	0.001234033	9.496E-08	0.00232901	0.025504	0.012265867	0.004509	0.00454336	0.505992
2429	496318.25	3859742.96	0.06329	0.02845	0.03899	0.06062	0.07858	0.11679	0.02761	0.0285	0.46206429	0.001174189	9.071E-08	0.002234287	0.025783	0.011496112	0.004372	0.00432303	0.502801
2430	496418.25	3859742.96	0.06266	0.02619	0.03689	0.0576	0.08202	0.10965	0.02579	0.0262	0.45746482	0.001080914	8.582E-08	0.002122978	0.026912	0.010793293	0.004083	0.00397961	0.498478
2431	495718.25	3859842.96	0.06872	0.03298	0.04999	0.06487	0.0742	0.14755	0.0319	0.033	0.50170735	0.001361151	1.163E-07	0.00239093	0.024346	0.014523944	0.005051	0.00501137	0.544369
2432	495818.25	3859842.96	0.06757	0.03249	0.04949	0.06413	0.06713	0.14282	0.03127	0.0325	0.49331149	0.001340927	1.151E-07	0.002363656	0.022026	0.014058351	0.004951	0.00493691	0.533115
2433	495918.25	3859842.96	0.06645	0.03202	0.04905	0.0631	0.06501	0.13646	0.03064	0.032	0.48513465	0.00132153	1.141E-07	0.002325693	0.021331	0.01343231	0.004851	0.00486549	0.523531
2434	496018.25	3859842.96	0.06553	0.03174	0.04811	0.06228	0.06319	0.13391	0.03034	0.0317	0.47841796	0.001309973	1.119E-07	0.00229547	0.020733	0.013181303	0.004804	0.00482295	0.515919
2435	496118.25	3859842.96	0.06429	0.032	0.04807	0.06297	0.06612	0.13461	0.03076	0.032	0.46936504	0.001320704	1.118E-07	0.002320901	0.021695	0.013250207	0.00487	0.00486245	0.50796
2436	496218.25	3859842.96	0.0638	0.03099	0.04476	0.06036	0.06871	0.12821	0.02948	0.031	0.46578767	0.001279019	1.041E-07	0.002224704	0.022545	0.012620229	0.004668	0.00470898	0.504415
2437	496318.25	3859842.96	0.06301	0.02742	0.04068	0.05466	0.06405	0.11043	0.02676	0.0274	0.46002008	0.001131678	9.464E-08	0.002014618	0.021016	0.010870072	0.004237	0.00416652	0.495123
2438	496418.25	3859842.96	0.06166	0.0251	0.03831	0.05127	0.06312	0.0994	0.02504	0.0251	0.45016407	0.001035927	8.912E-08	0.001889672	0.020711	0.009784344	0.003965	0.00381399	0.483735
2439	495718.25	3859942.96	0.06639	0.03515	0.04895	0.06887	0.08495	0.14792	0.03422	0.0352	0.48469661	0.001450711	1.139E-07	0.002538359	0.027873	0.014560364	0.005418	0.0053411	0.531196
2440	495818.25	3859942.96	0.06593	0.0344	0.0477	0.06664	0.07938	0.14149	0.03343	0.0344	0.48133826	0.001419757	1.11E-07	0.002456168	0.026046	0.013927433	0.005293	0.00522714	0.525253
2441	495918.25	3859942.96	0.0655	0.03399	0.04766	0.06634	0.07762	0.13653	0.03299	0.034	0.47819894	0.001402835	1.109E-07	0.00244511	0.025468	0.0134392	0.005223	0.00516484	0.521013
2442	496018.25	3859942.96	0.06472	0.03439	0.04825	0.06726	0.072	0.13733	0.0334	0.0344	0.47250436	0.001419344	1.122E-07	0.002479019	0.023624	0.013517948	0.005288	0.00522562	0.513608
2443	496118.25	3859942.96	0.06414	0.0331	0.04729	0.06425	0.06396	0.12872	0.03176	0.0331	0.46826992	0.001366103	1.1E-07	0.002368079	0.020986	0.012670431	0.005029	0.0050296	0.50566
2444	496218.25	3859942.96	0.06366	0.03142	0.04583	0.05972	0.06191	0.1223	0.02977	0.0314	0.46476557	0.001296766	1.066E-07	0.002201115	0.020314	0.012038484	0.004714	0.00477432	0.500555
2445	496318.25	3859942.96	0.06273	0.02932	0.04245	0.05404	0.06048	0.10879	0.02849	0.0293	0.45797587	0.001210095	9.876E-08	0.001991766	0.019844	0.01070864	0.004511	0.00445522	0.491786
2446	496418.25	3859942.96	0.06077	0.02593	0.03763	0.0488	0.05978	0.0955	0.02584	0.0259	0.44366641	0.001070183	8.754E-08	0.001798634	0.019615	0.009400451	0.004091	0.00394011	0.475702
2447	496856.82	3858864.83	0.05451	0.01659	0.03432	0.04154	0.07555	0.14311	0.01792	0.0166	0.39796373	0.000684703	7.984E-08	0.00153105	0.024789	0.014086896	0.002837	0.00252088	0.439372
2448	496956.82	3858864.83	0.05369	0.01627	0.03395	0.0411	0.07328	0.13543	0.01751	0.0163	0.39197712	0.000671496	7.898E-08	0.001514833	0.024044	0.013330923	0.002772	0.00247225	0.431839
2449	497056.82	3858864.83	0.05273	0.01609	0.03332	0.04057	0.07258	0.12714	0.0173	0.0161	0.3849684	0.000664067	7.752E-08	0.001495299	0.023814	0.012514905	0.002739	0.0024449	0.423751
2450	497156.82	3858864.83	0.05159	0.01603	0.03269	0.03951	0.07156	0.11475	0.01694	0.016	0.37664555	0.00066159	7.605E-08	0.00145623	0.02348	0.011295307	0.002682	0.00243579	0.413785
2451	497256.82	3858864.83	0.05143	0.01602	0.03236	0.03937	0.07193	0.10977	0.01699	0.016	0.37547743	0.000661178	7.528E-08	0.00145107	0.023601	0.010805105	0.00269	0.00243427	0.412252
2452	496856.82	3858964.83	0.05797	0.01755	0.0342	0.04353	0.07422	0.13707	0.01905	0.0176	0.42322431	0.000724324	7.956E-08	0.001604396	0.024353	0.013492355	0.003016	0.00266675	0.463748
2453	496956.82	3858964.83	0.05647	0.01708	0.03354	0.04262	0.07426	0.12843	0.01874	0.0171	0.41227319	0.000704926	7.803E-08	0.001570856	0.024366	0.012641885	0.002967	0.00259533	0.451928
2454	497056.82	3858964.83	0.05588	0.01672	0.03289	0.04185	0.07429	0.12023	0.01835	0.0167	0.40796575	0.000690068	7.651E-08	0.001542476	0.024376	0.011834725	0.002905	0.00254063	0.446773
2455	497156.82	3858964.83	0.05514	0.01645	0.03237	0.04109	0.07213	0.1111	0.01792	0.0165	0.4025632	0.000678924	7.531E-08	0.001514465	0.023667	0.010936023	0.002837	0.00249961	0.439697
2456	497256.82	3858964.83	0.05589	0.01663	0.03243	0.04143	0.07326	0.106	0.01809	0.0166	0.40803876	0.000686353	7.544E-08	0.001526996	0.024038	0.010434009	0.002864	0.00252696	0.445061
2457	496856.82	3859064.83	0.06067	0.01801	0.03372	0.04489	0.06921	0.12111	0.01925	0.018	0.44293633	0.000743309	7.845E-08	0.001654522	0.022709	0.011921347	0.003048	0.00273665	0.480276
2458	496956.82	3859064.83	0.0595	0.01786	0.03304	0.04415	0.06891	0.11316	0.01905	0.0179	0.43439446	0.000737118	7.686E-08	0.001627248	0.02261	0.011138797	0.003016	0.00271386	0.47081
2459	497056.82	3859064.83	0.05862	0.01761	0.03246	0.04346	0.06877	0.10632	0.01905	0.0176	0.4279698	0.0007268	7.551E-08	0.001601816	0.022564	0.010465508	0.003016	0.00267587	0.463669
2460	497156.82	3859064.83	0.05787	0.01737	0.03203	0.04277	0.06867	0.10056	0.01897	0.0174	0.42249424	0.000716895	7.451E-08	0.001576385	0.022532	0.009898528	0.003004	0.0026394	0.457582
2461	497256.82	3859064.83	0.05887	0.01763	0.03215	0.0432	0.06966	0.09875	0.01922	0.0176	0.42979499	0.000727625	7.479E-08	0.001592233	0.022856	0.009720362	0.003043	0.00267891	0.465056
2462	496856.82	3859164.83	0.061	0.01848	0.03309	0.04437	0.06878	0.11241	0.01931	0.0185	0.44534558	0.000762707	7.698E-08	0.001635356	0.022568	0.011064971	0.003057	0.00280807	0.481626
2463	496956.82	3859164.83	0.05977	0.01818	0.03229	0.04337	0.06644	0.10628	0.01903	0.0182	0.43636566	0.000750325	7.512E-08	0.001598499	0.0218	0.01046157	0.003013	0.00276248	0.471227
2464	497056.82	3859164.83	0.05923	0.01809	0.03187	0.04305	0.06507	0.10195	0.01898	0.0181	0.43242326	0.000746611	7.414E-08	0.001586705	0.02135	0.010035351	0.003005	0.00274881	0.466399
2465	497156.82	3859164.83	0.0594	0.01813	0.032	0.04385	0.06593	0.09944	0.01928	0.0181	0.43366438	0.000748261	7.444E-08	0.001616191	0.021633	0.009788282	0.003053	0.00275488	0.467747
2466	497256.82	3859164.83	0.06006	0.01874	0.03303	0.04549	0.06634	0.09936	0.01988	0.0187	0.43848288	0.000773437	7.684E-08	0.001676637	0.021767	0.009780407	0.003148	0.00284757	0.472781
2467	496856.82	3859264.83	0.06036	0.01901	0.03245	0.0441	0.06624	0.11467	0.01975	0.019	0.4406731	0.000784581	7.549E-08	0.001625405	0.021734	0.011287432	0.003127	0.0028886	0.476343
2468	496956.82	3859264.83	0.0598	0.01902	0.03214	0.04428	0.06861	0.1094	0.01961	0.019	0.43658468	0.000784994	7.477E-08	0.001632039	0.022512	0.010768685	0.003105	0.00289012	0.472497
2469	497056.82	3859264.83	0.05974	0.01914	0.03222	0.045	0.06982	0.10611	0.0198	0.0191	0.43614664	0.000789946	7.496E-08	0.001658577	0.022909	0.010444837	0.003135	0.00290836	0.472176
2470	497156.82	3859264.83	0.05966	0.01923	0.03199	0.04529	0.06968	0.10241	0.02001	0.0192	0.43556258	0.000793661	7.442E-08	0.001669265	0.022863	0.010080631	0.003168	0.00292203	0.471215
2471	497256.82	3859264.83	0.05994	0.01954	0.03244	0.04581	0.06769	0.10087	0.02039	0.0195	0.43760679	0.000806455	7.547E-08	0.001688431	0.02221	0.009929042	0.003228	0.00296914	0.4725
2472	497088.92	3858620.93	0.04703	0.01453	0.02976	0.03509	0.07071	0.12684	0.01521	0.0145	0.34335414	0.000599682	6.923E-08	0.001293321	0.023201	0.012485374	0.002408	0.00220786	0.381134
2473	497138.92	3858620.93	0.04703	0.01456	0.02977	0.03507	0.07109	0.12318	0.01524	0.0146	0.34335414	0.00060092	6.926E-08	0.001292584	0.023326	0.012125106	0.002413	0.00221242	0.380899
2474	497188.92	3858620.93	0.04654	0.0144	0.03032	0.03478	0.07101	0.1194	0.01525	0.0144	0.33977677	0.000594317	7.054E-08	0.001281895	0.023299	0.011753025	0.002415	0.0021881	0.376932

2475	497238.92	3858620.93	0.0463	0.01447	0.03039	0.03465	0.07112	0.11615	0.01526	0.0145
2476	497088.92	3858670.93	0.04797	0.01476	0.03051	0.03553	0.06643	0.12514	0.01541	0.0148
2477	497138.92	3858670.93	0.04819	0.01488	0.03053	0.0357	0.06708	0.12158	0.01545	0.0149
2478	497188.92	3858670.93	0.04767	0.0148	0.0303	0.03537	0.06692	0.11698	0.01537	0.0148
2479	497238.92	3858670.93	0.04756	0.01481	0.03035	0.03539	0.06695	0.11327	0.01536	0.0148
2480	497088.92	3858720.93	0.0496	0.01518	0.03065	0.03682	0.06643	0.12532	0.0158	0.0152
2481	497138.92	3858720.93	0.04821	0.01498	0.03012	0.03564	0.06457	0.11904	0.01556	0.015
2482	497188.92	3858720.93	0.04793	0.01495	0.03001	0.03542	0.06411	0.11613	0.01553	0.015
2483	497238.92	3858720.93	0.0486	0.01506	0.03025	0.03612	0.0651	0.11801	0.01568	0.0151
2484	497088.92	3858770.93	0.05016	0.01537	0.03063	0.03753	0.06752	0.12637	0.01619	0.0154
2485	497138.92	3858770.93	0.0497	0.0153	0.03003	0.03712	0.06688	0.11799	0.01603	0.0153
2486	497188.92	3858770.93	0.04958	0.0152	0.03025	0.03686	0.06637	0.11394	0.01594	0.0152
2487	497238.92	3858770.93	0.04971	0.0153	0.03053	0.03703	0.06613	0.11181	0.01614	0.0153
2488	497396.65	3858622.63	0.04861	0.01506	0.03133	0.03638	0.07648	0.10837	0.01585	0.0151
2489	497496.65	3858622.63	0.04996	0.01545	0.03161	0.03677	0.07907	0.10586	0.01628	0.0155
2490	497596.65	3858622.63	0.05333	0.01616	0.03234	0.03817	0.08237	0.10583	0.01691	0.0162
2491	497696.65	3858622.63	0.05463	0.01624	0.03236	0.03896	0.0827	0.10456	0.0172	0.0162
2492	497796.65	3858622.63	0.05687	0.01664	0.03241	0.04061	0.08361	0.10256	0.0178	0.0166
2493	497896.65	3858622.63	0.05856	0.01694	0.03269	0.0424	0.08403	0.10091	0.01787	0.0169
2494	497396.65	3858722.63	0.05116	0.01574	0.03115	0.03751	0.06917	0.10998	0.01638	0.0157
2495	497496.65	3858722.63	0.05263	0.01623	0.03126	0.03807	0.0711	0.1041	0.01676	0.0162
2496	497596.65	3858722.63	0.0558	0.01672	0.03193	0.03985	0.07593	0.10243	0.01748	0.0167
2497	497696.65	3858722.63	0.05739	0.01692	0.03217	0.04142	0.07993	0.10042	0.01784	0.0169
2498	497796.65	3858722.63	0.05801	0.01703	0.03201	0.04255	0.08301	0.09858	0.01817	0.017
2499	497896.65	3858722.63	0.05907	0.01726	0.03219	0.04343	0.08506	0.09646	0.01852	0.0173
2500	497396.65	3858822.63	0.05366	0.01631	0.032	0.03994	0.06919	0.10674	0.01713	0.0163
2501	497496.65	3858822.63	0.05549	0.01648	0.03228	0.04054	0.07018	0.10239	0.01736	0.0165
2502	497596.65	3858822.63	0.05857	0.01717	0.03318	0.04324	0.0732	0.1001	0.01802	0.0172
2503	497696.65	3858822.63	0.05908	0.0175	0.03417	0.04382	0.07349	0.09814	0.0183	0.0175
2504	497796.65	3858822.63	0.05948	0.01755	0.03422	0.04436	0.07412	0.0952	0.01857	0.0176
2505	497896.65	3858822.63	0.06016	0.01796	0.03461	0.04565	0.07741	0.0926	0.0192	0.018
2506	497396.65	3858922.63	0.05597	0.01683	0.03196	0.04221	0.07446	0.10482	0.01846	0.0168
2507	497496.65	3858922.63	0.05823	0.01739	0.03311	0.0436	0.07565	0.10072	0.01884	0.0174
2508	497596.65	3858922.63	0.05822	0.01748	0.03306	0.04365	0.0746	0.09691	0.01876	0.0175
2509	497696.65	3858922.63	0.06032	0.0179	0.03394	0.04523	0.07435	0.09484	0.01925	0.0179
2510	497796.65	3858922.63	0.06091	0.01841	0.03432	0.04616	0.07496	0.09292	0.01965	0.0184
2511	497896.65	3858922.63	0.06173	0.01931	0.03513	0.04731	0.07545	0.09037	0.02017	0.0193
2512	497364.44	3858201.52	0.04261	0.01347	0.02643	0.03281	0.0617	0.13392	0.01409	0.0135
2513	497414.44	3858201.52	0.04281	0.01355	0.02674	0.03342	0.06204	0.12923	0.01432	0.0136
2514	497464.44	3858201.52	0.04309	0.01362	0.02686	0.03396	0.06322	0.12653	0.01442	0.0136
2515	497514.44	3858201.52	0.04317	0.01367	0.02764	0.03419	0.06376	0.12491	0.01443	0.0137
2516	497564.44	3858201.52	0.04293	0.01365	0.02757	0.03409	0.06351	0.12057	0.01439	0.0137
2517	497614.44	3858201.52	0.04302	0.01367	0.0276	0.03421	0.06344	0.11691	0.01443	0.0137
2518	497364.44	3858251.52	0.0435	0.01386	0.02788	0.03349	0.06357	0.12786	0.0145	0.0139
2519	497414.44	3858251.52	0.04434	0.01387	0.02833	0.03381	0.06464	0.12473	0.01457	0.0139
2520	497464.44	3858251.52	0.04398	0.01379	0.02832	0.0336	0.06421	0.12121	0.01444	0.0138
2521	497514.44	3858251.52	0.04347	0.01373	0.02823	0.03333	0.06369	0.11758	0.01433	0.0137
2522	497564.44	3858251.52	0.04331	0.01372	0.02821	0.03334	0.0635	0.11542	0.01432	0.0137
2523	497614.44	3858251.52	0.04313	0.01371	0.02809	0.03335	0.06325	0.11213	0.01432	0.0137
2524	497364.44	3858301.52	0.04431	0.014	0.02836	0.03296	0.06633	0.12474	0.01459	0.014
2525	497414.44	3858301.52	0.04483	0.01409	0.02843	0.0336	0.06672	0.1197	0.01469	0.0141
2526	497464.44	3858301.52	0.04431	0.01397	0.02814	0.0333	0.06543	0.11721	0.01458	0.014
2527	497514.44	3858301.52	0.04401	0.01388	0.02806	0.03315	0.06437	0.11442	0.01449	0.0139
2528	497564.44	3858301.52	0.04344	0.0138	0.02792	0.03282	0.06308	0.10956	0.01434	0.0138
2529	497614.44	3858301.52	0.04334	0.01378	0.02778	0.0327	0.06262	0.10759	0.01425	0.0138
2530	497364.44	3858351.52	0.0452	0.01408	0.02905	0.03326	0.06866	0.12083	0.01495	0.0141
2531	497414.44	3858351.52	0.04491	0.01407	0.02886	0.03315	0.06852	0.11651	0.01484	0.0141
2532	497464.44	3858351.52	0.04487	0.01409	0.02874	0.03304	0.06871	0.11241	0.01478	0.0141
2533	497514.44	3858351.52	0.04465	0.01406	0.02852	0.03279	0.06849	0.10962	0.01468	0.0141

0.33802459	0.000597206	7.07E-08	0.001277104	0.023335	0.011433115	0.002416	0.00219874	0.374885
0.35021684	0.000609175	7.098E-08	0.001309538	0.021797	0.012318037	0.00244	0.00224281	0.386447
0.35182301	0.000614127	7.102E-08	0.001315804	0.02201	0.011967611	0.002446	0.00226104	0.387916
0.34802662	0.000610826	7.049E-08	0.001303641	0.021957	0.011514815	0.002434	0.00224888	0.383598
0.34722354	0.000611238	7.061E-08	0.001304378	0.021967	0.011149624	0.002432	0.0022504	0.382438
0.36211706	0.000626509	7.13E-08	0.001357084	0.021797	0.012335755	0.002502	0.00230663	0.398428
0.35196902	0.000618255	7.007E-08	0.001313593	0.021186	0.011717589	0.002464	0.00227624	0.386992
0.34992481	0.000617016	6.981E-08	0.001305484	0.021035	0.011431146	0.002459	0.00227168	0.384501
0.35481631	0.000621556	7.037E-08	0.001331284	0.02136	0.011616202	0.002483	0.00228839	0.38994
0.36620548	0.000634351	7.126E-08	0.001383253	0.022154	0.01243911	0.002563	0.0023355	0.403044
0.36284714	0.000631462	6.986E-08	0.001368141	0.021944	0.011614233	0.002538	0.00232486	0.398618
0.36197105	0.000627334	7.037E-08	0.001358558	0.021777	0.011215575	0.002524	0.00230967	0.397164
0.36292014	0.000631462	7.102E-08	0.001364824	0.021698	0.011005911	0.002555	0.00232486	0.397851
0.35488932	0.000621556	7.289E-08	0.001340867	0.025094	0.010667298	0.00251	0.00228839	0.392834
0.36474533	0.000637652	7.354E-08	0.001355241	0.025944	0.010420228	0.002578	0.00234765	0.403332
0.38934885	0.000666956	7.524E-08	0.001406841	0.027027	0.010417275	0.002677	0.00245554	0.429089
0.39883982	0.000670257	7.528E-08	0.001435959	0.027135	0.010292264	0.002723	0.0024677	0.438629
0.41519349	0.000686766	7.54E-08	0.001496773	0.027434	0.010095396	0.002818	0.00252848	0.455196
0.42753176	0.000699148	7.605E-08	0.001562748	0.027571	0.00993298	0.002829	0.00257406	0.467553
0.37350623	0.000649621	7.247E-08	0.001382516	0.022696	0.010825776	0.002593	0.00239172	0.409262
0.38423832	0.000669845	7.272E-08	0.001403156	0.023329	0.010246984	0.002654	0.00246618	0.420075
0.40738169	0.000690068	7.428E-08	0.001468762	0.024914	0.010082599	0.002768	0.00254063	0.444764
0.41898988	0.000698322	7.484E-08	0.001526628	0.026226	0.009884747	0.002825	0.00257102	0.457579
0.42351634	0.000702862	7.447E-08	0.001568276	0.027237	0.009703628	0.002877	0.00258774	0.463017
0.43125514	0.000712355	7.489E-08	0.001600711	0.027909	0.009494948	0.002932	0.00262269	0.471282
0.39175809	0.000673146	7.444E-08	0.001472079	0.022702	0.01050685	0.002712	0.00247833	0.427346
0.40511846	0.000680163	7.51E-08	0.001494193	0.023027	0.010078662	0.002749	0.00250416	0.440643
0.42760476	0.00070864	7.719E-08	0.001593708	0.024018	0.009853248	0.002853	0.00260901	0.464022
0.43132814	0.00072226	7.949E-08	0.001615085	0.024113	0.009660317	0.002897	0.00265915	0.467677
0.43424844	0.000724324	7.961E-08	0.001634988	0.02432	0.009370921	0.00294	0.00266675	0.470572
0.43921295	0.000741245	8.052E-08	0.001682534	0.025399	0.009114993	0.00304	0.00272905	0.476462
0.40862282	0.000694608	7.435E-08	0.001555745	0.024431	0.010317857	0.002923	0.00255735	0.445988
0.42512251	0.00071772	7.703E-08	0.001606976	0.024822	0.009914277	0.002983	0.00264244	0.462524
0.4250495	0.000721435	7.691E-08	0.001608819	0.024477	0.009539243	0.00297	0.00265612	0.461711
0.44038107	0.000738769	7.896E-08	0.001667054	0.024395	0.009335485	0.003048	0.00271994	0.476846
0.44468851	0.000759818	7.984E-08	0.001701331	0.024595	0.009146492	0.003111	0.00279743	0.481205
0.45067512	0.000796962	8.173E-08	0.001743717	0.024756	0.008895485	0.003194	0.00293419	0.487127
0.31108484	0.000555934	6.149E-08	0.001209287	0.020245	0.013182288	0.002231	0.00204679	0.346461
0.31254499	0.000559236	6.221E-08	0.001231769	0.020356	0.012720632	0.002267	0.00205895	0.347621
0.3145892	0.000562125	6.249E-08	0.001251672	0.020743	0.01245486	0.002283	0.00206958	0.349815
0.31517326	0.000564188	6.43E-08	0.00126015	0.020921	0.012295397	0.002285	0.00207718	0.350421
0.31342108	0.000563363	6.414E-08	0.001256464	0.020838	0.011868193	0.002278	0.00207414	0.348152
0.31407814	0.000564188	6.421E-08	0.001260887	0.020816	0.011507924	0.002285	0.00207718	0.348434
0.3175825	0.00057203	6.486E-08	0.00123435	0.020858	0.012585777	0.002296	0.00210605	0.353023
0.32371513	0.000572443	6.591E-08	0.001246144	0.021209	0.012277679	0.002307	0.00210757	0.35922
0.32108686	0.000569141	6.588E-08	0.001238404	0.021068	0.011931191	0.002286	0.00209541	0.356085
0.31736348	0.000566665	6.567E-08	0.001228452	0.020898	0.011573875	0.002269	0.0020863	0.351813
0.31619536	0.000566252	6.563E-08	0.001228821	0.020835	0.011361258	0.002267	0.00208478	0.350369
0.31488123	0.000565839	6.535E-08	0.001229189	0.020753	0.01103741	0.002267	0.00208326	0.348651
0.32349611	0.000577808	6.598E-08	0.001214815	0.021764	0.012278663	0.00231	0.00212732	0.359514
0.3272925	0.000581523	6.614E-08	0.001238404	0.021892	0.011782555	0.002326	0.002141	0.362972
0.32349611	0.00057657	6.546E-08	0.001227347	0.021468	0.011537455	0.002308	0.00212276	0.358492
0.32130588	0.000572855	6.528E-08	0.001221818	0.021121	0.011262824	0.002294	0.00210909	0.355669
0.31714446	0.000569554	6.495E-08	0.001209655	0.020697	0.010784434	0.00227	0.00209693	0.350579
0.31641438	0.000568728	6.463E-08	0.001205232	0.020546	0.010590519	0.002256	0.00209389	0.349488
0.32999377	0.00058111	6.758E-08	0.001225872	0.022528	0.011893786	0.002367	0.00213948	0.36645
0.32787656	0.000580697	6.714E-08	0.001221818	0.022482	0.011468551	0.00235	0.00213796	0.363842
0.32758453	0.000581523	6.686E-08	0.001217764	0.022545	0.011064971	0.00234	0.002141	0.363193
0.32597836	0.000580284	6.635E-08	0.001208549	0.022472	0.01079034	0.002324	0.00213644	0.361218

2534	497564.44	3858351.52	0.04388	0.01397	0.02825	0.03232	0.06778	0.10642	0.01452	0.014	0.32035679	0.00057657	6.572E-08	0.001191227	0.02224	0.010475351	0.002299	0.00212276	0.355016
2535	497614.44	3858351.52	0.04381	0.01389	0.02809	0.03227	0.06708	0.10375	0.01443	0.0139	0.31984573	0.000573268	6.535E-08	0.001189384	0.02201	0.010212532	0.002285	0.00211061	0.354005
2536	497364.44	3858401.52	0.04511	0.01407	0.02812	0.0333	0.0662	0.1153	0.01497	0.0141	0.32933671	0.000580697	6.542E-08	0.001227347	0.021721	0.011349446	0.00237	0.00213796	0.364448
2537	497414.44	3858401.52	0.04511	0.01415	0.02808	0.03324	0.06594	0.11275	0.01493	0.0142	0.32933671	0.000583999	6.533E-08	0.001225135	0.021636	0.011098439	0.002364	0.00215012	0.364094
2538	497464.44	3858401.52	0.0447	0.0141	0.02795	0.03308	0.06494	0.11023	0.01487	0.0141	0.3263434	0.000581935	6.502E-08	0.001219238	0.021308	0.010850385	0.002354	0.00214252	0.360515
2539	497514.44	3858401.52	0.04448	0.01408	0.02792	0.03304	0.06475	0.10745	0.01485	0.0141	0.32473723	0.00058111	6.495E-08	0.001217764	0.021245	0.010576738	0.002351	0.00213948	0.35857
2540	497564.44	3858401.52	0.04505	0.01419	0.02808	0.0336	0.06565	0.10573	0.01494	0.0142	0.32889866	0.00058565	6.533E-08	0.001238404	0.021541	0.010407432	0.002365	0.00215619	0.36288
2541	497614.44	3858401.52	0.04562	0.01421	0.02811	0.0338	0.06658	0.10537	0.01495	0.0142	0.33306009	0.000586475	6.539E-08	0.001245775	0.021846	0.010371996	0.002367	0.00215923	0.367318
2542	493478.11	3860497.94	0.06811	0.09176	0.06704	0.10617	0.03843	0.27821	0.09361	0.0918	0.49725389	0.003787119	1.56E-07	0.003913135	0.012609	0.027385336	0.014821	0.01394309	0.545827
2543	493528.11	3860497.94	0.06761	0.09077	0.06662	0.10682	0.04009	0.27381	0.09278	0.0908	0.49360352	0.00374626	1.55E-07	0.003937092	0.013154	0.026952226	0.01469	0.01379265	0.542291
2544	493478.11	3860547.94	0.06697	0.09485	0.06289	0.10313	0.03461	0.24466	0.09637	0.0949	0.48893104	0.00391465	1.463E-07	0.003801089	0.011356	0.024082874	0.015258	0.01441262	0.532932
2545	493528.11	3860547.94	0.06648	0.0942	0.06302	0.1013	0.0361	0.24116	0.09576	0.0942	0.48535367	0.003887823	1.466E-07	0.00373364	0.011845	0.023738355	0.015162	0.01431385	0.529407
2546	493478.11	3860597.94	0.06574	0.09999	0.05761	0.09918	0.03212	0.22701	0.10015	0.1	0.47995112	0.004126788	1.34E-07	0.003655503	0.010539	0.022345513	0.015857	0.01519365	0.521281
2547	493528.11	3860597.94	0.06529	0.09861	0.05761	0.09634	0.03317	0.22031	0.09951	0.0986	0.47666578	0.004069832	1.34E-07	0.003550828	0.010884	0.021686005	0.015756	0.01498396	0.517628
2548	493561.88	3860524.64	0.06676	0.09151	0.06476	0.10235	0.03919	0.25131	0.09369	0.0915	0.48739788	0.003776801	1.507E-07	0.00377234	0.012859	0.02473746	0.014834	0.0139051	0.533472
2549	493591.88	3860524.64	0.0666	0.09045	0.0649	0.10185	0.03961	0.24982	0.09241	0.0905	0.48622976	0.003733053	1.51E-07	0.003753912	0.012997	0.024590794	0.014631	0.01374403	0.532192
2550	493561.88	3860554.64	0.06605	0.09407	0.06252	0.10012	0.03646	0.23585	0.09531	0.0941	0.48221435	0.003882457	1.454E-07	0.003690148	0.011963	0.02321567	0.015091	0.01429409	0.525762
2551	493591.88	3860554.64	0.06597	0.09183	0.06257	0.09959	0.03766	0.23417	0.09386	0.0918	0.48163029	0.003790008	1.456E-07	0.003670614	0.012357	0.023050301	0.014861	0.01395372	0.525405
2552	492880.5	3860293.11	0.08411	0.10763	0.08758	0.1635	0.03667	1.23648	0.11035	0.1076	0.61406585	0.004442106	2.037E-07	0.006026161	0.012032	0.12171173	0.017472	0.01635456	0.759395
2553	492930.5	3860293.11	0.08324	0.10394	0.08668	0.16003	0.03728	1.20452	0.10663	0.1039	0.6077142	0.004289812	2.017E-07	0.005898267	0.012232	0.118565778	0.016883	0.01579386	0.749789
2554	492980.5	3860293.11	0.0825	0.10017	0.086	0.15602	0.03828	1.19276	0.10169	0.1002	0.60231164	0.004134217	2.001E-07	0.005750469	0.01256	0.117408194	0.016101	0.015221	0.743045
2555	493030.5	3860293.11	0.08268	0.09145	0.08579	0.1514	0.03988	1.12513	0.09104	0.0915	0.60362578	0.003774325	1.996E-07	0.005580189	0.013085	0.110751099	0.014415	0.01389598	0.737335
2556	493080.5	3860293.11	0.0833	0.08551	0.083	0.14608	0.04364	1.04957	0.08224	0.0855	0.60815224	0.003529169	1.931E-07	0.005384108	0.014319	0.103313423	0.013021	0.01299339	0.734726
2557	493130.5	3860293.11	0.08133	0.08696	0.08157	0.14772	0.04403	1.10243	0.08528	0.087	0.59376977	0.003589013	1.898E-07	0.005444554	0.014447	0.108516646	0.013503	0.01321372	0.726056
2558	493180.5	3860293.11	0.07967	0.08656	0.0792	0.14726	0.04351	1.1012	0.08745	0.0866	0.58165053	0.003572505	1.843E-07	0.0054276	0.014276	0.108395572	0.013846	0.01315294	0.714016
2559	493230.5	3860293.11	0.0787	0.08574	0.07764	0.14302	0.04299	1.09746	0.08702	0.0857	0.5745688	0.003538662	1.806E-07	0.005271325	0.014106	0.108027429	0.013778	0.01302834	0.706262
2560	493280.5	3860293.11	0.07855	0.08275	0.07618	0.13969	0.04349	1.14676	0.08231	0.0828	0.57347369	0.003415258	1.772E-07	0.00514859	0.01427	0.112880228	0.013032	0.012574	0.709646
2561	493330.5	3860293.11	0.07807	0.08069	0.07399	0.13586	0.04293	1.14005	0.08048	0.0807	0.56996933	0.003330238	1.721E-07	0.005007427	0.014086	0.112219735	0.012743	0.01226098	0.705094
2562	493380.5	3860293.11	0.07747	0.07857	0.07254	0.13137	0.04156	1.12641	0.07907	0.0786	0.56558888	0.003242741	1.688E-07	0.004841938	0.013636	0.110877095	0.012519	0.01193884	0.698768
2563	492880.5	3860343.11	0.08156	0.11107	0.082	0.14529	0.03426	0.90652	0.11439	0.1111	0.59544894	0.004584081	1.908E-07	0.005354991	0.011241	0.089232432	0.018112	0.01687727	0.707096
2564	492930.5	3860343.11	0.08073	0.10794	0.08143	0.14768	0.03471	0.76762	0.11065	0.1079	0.58938932	0.0044549	1.894E-07	0.00544308	0.011389	0.075559943	0.017519	0.01640166	0.687354
2565	492980.5	3860343.11	0.08092	0.0999	0.08237	0.15015	0.03627	0.63359	0.10014	0.0999	0.59077646	0.004123073	1.916E-07	0.005534117	0.011901	0.062366828	0.015855	0.01517997	0.675377
2566	493030.5	3860343.11	0.08011	0.09672	0.08192	0.14936	0.03643	0.602	0.09609	0.0967	0.58486286	0.003991828	1.906E-07	0.005505	0.011953	0.059257296	0.015214	0.01469677	0.666088
2567	493080.5	3860343.11	0.08049	0.09052	0.08327	0.14771	0.03801	0.55036	0.08804	0.0905	0.58763714	0.003735942	1.937E-07	0.005444185	0.012472	0.054174162	0.01394	0.01375467	0.663648
2568	493130.5	3860343.11	0.07935	0.08965	0.08193	0.1433	0.03936	0.56099	0.08785	0.0897	0.57931429	0.003700035	1.906E-07	0.005281645	0.012915	0.055220516	0.013909	0.01362247	0.656718
2569	493180.5	3860343.11	0.07769	0.0896	0.0815	0.13801	0.04206	0.5725	0.09044	0.0896	0.56719505	0.003697972	1.896E-07	0.00508667	0.0138	0.056353492	0.01432	0.01361487	0.646838
2570	493230.5	3860343.11	0.07686	0.08922	0.08001	0.13551	0.04284	0.56787	0.09069	0.0892	0.56113543	0.003682288	1.861E-07	0.004994527	0.014056	0.055897742	0.014359	0.01355713	0.640569
2571	493280.5	3860343.11	0.07673	0.08511	0.07888	0.13142	0.04267	0.56703	0.08479	0.0851	0.56018633	0.00351266	1.835E-07	0.004843781	0.014001	0.055815058	0.013425	0.01293261	0.638851
2572	493330.5	3860343.11	0.07642	0.08246	0.07645	0.13085	0.04206	0.56886	0.08114	0.0825	0.5579231	0.003403289	1.779E-07	0.004822772	0.0138	0.055995192	0.012847	0.01252994	0.636262
2573	493380.5	3860343.11	0.07582	0.08064	0.07436	0.12934	0.04238	0.56816	0.07939	0.0806	0.55354265	0.003328174	1.73E-07	0.004767117	0.013905	0.055926288	0.01257	0.01225338	0.631786
2574	492880.5	3860393.11	0.07949	0.117	0.07582	0.13749	0.03196	0.88141	0.1188	0.117	0.58033639	0.004828824	1.764E-07	0.005067504	0.010487	0.086760753	0.01881	0.01777835	0.688512
2575	492930.5	3860393.11	0.07871	0.11131	0.07613	0.13596	0.03244	0.69193	0.11412	0.1113	0.57464181	0.004593987	1.771E-07	0.005011113	0.010644	0.06810947	0.018069	0.01691374	0.664156
2576	492980.5	3860393.11	0.07842	0.10591	0.07667	0.13256	0.03391	0.59067	0.10578	0.1059	0.57252459	0.004371118	1.784E-07	0.004885798	0.011126	0.058142038	0.016748	0.0160932	0.651705
2577	493030.5	3860393.11	0.07802	0.10197	0.07693	0.12957	0.0343	0.5298	0.10043	0.102	0.5696043	0.004208506	1.79E-07	0.004775595	0.011254	0.052150358	0.015901	0.01549451	0.6424
2578	493080.5	3860393.11	0.07837	0.09534	0.07879	0.12843	0.03527	0.47024	0.09264	0.0953	0.57215956	0.003934873	1.833E-07	0.004733577	0.011573	0.046287626	0.014668	0.01448707	0.638869
2579	493130.5	3860393.11	0.0772	0.09548	0.07825	0.12984	0.03597	0.46167	0.09282	0.0955	0.56361768	0.003940651	1.82E-07	0.004785546	0.011802	0.045444046	0.014696	0.01450835	0.629778
2580	493180.5	3860393.11	0.07583	0.09599	0.07531	0.13266	0.03701	0.44238	0.09669	0.096	0.55361566	0.0039617	1.752E-07	0.004889484	0.012143	0.043545254	0.015309	0.01458584	0.618879
2581	493230.5	3860393.11	0.07522	0.09355	0.07609	0.13214	0.03847	0.43231	0.09469	0.0936	0.5491622	0.003860996	1.77E-07	0.004870318	0.012623	0.042554023	0.014992	0.01421508	0.613848
2582	493280.5	3860393.11	0.07516	0.08845	0.07665	0.13288	0.04091	0.42142	0.08841	0.0885	0.54872416	0.003650509	1.783E-07	0.004897592	0.013423	0.041482076	0.013998	0.01344013	0.612736
2583	493330.5	3860393.11	0.07488	0.08543	0.07668	0.13137	0.04233	0.41884	0.08486	0.0854	0.54667995	0.003525867	1.784E-07	0.004841938	0.013889	0.041228116	0.013436	0.01298123	0.61062
2584	493380.5	3860393.11	0.07439	0.08345	0.07667	0.12755	0.04186	0.41428	0.08279	0.0835	0.54310258	0.003444149	1.784E-07	0.004701143	0.013735	0.040779257	0.013108	0.01268037	0.60619
2585	492880.5	3860443.11	0.07677	0.12314	0.07285	0.13403	0.03219	0.58713	0.12256	0.1231	0.56047836	0.005082235	1.695E-07	0.004939978	0.010562	0.057793582	0.019405	0.01871133	0.63955
2586	492930.5	3860443.11	0.07606	0.1192	0.07171	0.12991	0.03173	0.52743	0.11929	0.1192	0.55529483	0.004919623	1.668E-07	0.004788126	0.010411	0.051917069	0.018887	0.01811264	0.628106
2587	492980.5	3860443.11	0.07569	0.11262	0.07014	0.12445	0.03142	0.4758	0.11299	0.1126	0.55259355	0.004648053	1.632E-07	0.004586886	0.010309	0.046834919	0.01789	0.0171128	0.61975
2588	493030.5	3860443.11	0.07522	0.10605	0.07106	0.12625	0.03218	0.45004	0.10618	0.1061	0.5491622	0.004376896	1.653E-07	0.004653229	0.010559	0.044299258	0.016812	0.01611448	0.613748
2589	493080.5	3860443.11	0.07464	0.10315	0.07155	0.12488	0.03296	0.42382	0.10274	0.1032	0.54492777	0.004257207	1.665E-07	0.004602734	0.010815	0.041718318	0.016267	0.01567382	0.606914
2590	493130.5	3860443.11	0.07418	0.10058	0.07174	0.12165	0.03361	0.39107	0.09976	0.1006	0.54156943	0.004151138	1.669E-07	0.004483685	0.011028	0.038494603	0.015795	0.0152833	0.600239
2591	493180.5	3860443.11	0.07319	0.09994	0.0717	0.11848	0.03394	0.36902	0.10234	0.0999	0.53434169	0.004124724	1.668E-07	0.004366848	0.011136	0.036324132	0.016204	0.01518605	0.591311
2592	493230.5	3860443.11	0.07316	0.0969	0.07183	0.11707	0.03533	0.36327	0.09652	0.0969	0.53412266	0.003999257	1.671E-07	0.004314879	0.011592	0.035758136	0.015282	0.01472412	0.590345

2593	493280.5	3860443.11	0.0729	0.09382	0.07171	0.11723	0.03646	0.35134	0.09357	0.0938	0.53222447	0.003872139	1.668E-07	0.004320776	0.011963	0.034583818	0.014815	0.01425611	0.587523
2594	493330.5	3860443.11	0.07291	0.08975	0.07336	0.1183	0.03809	0.3408	0.0879	0.0898	0.53229748	0.003704162	1.707E-07	0.004360213	0.012498	0.033546323	0.013917	0.01363766	0.586686
2595	493380.5	3860443.11	0.07227	0.0879	0.07251	0.11816	0.03991	0.33762	0.08724	0.0879	0.527625	0.003627809	1.687E-07	0.004355053	0.013095	0.033233303	0.013813	0.01335655	0.582393
2596	493180.5	3860493.11	0.07096	0.10448	0.06572	0.11212	0.03197	0.31172	0.10472	0.1045	0.51806102	0.004312099	1.529E-07	0.004132436	0.01049	0.030683861	0.016581	0.01587591	0.568384
2597	493230.5	3860493.11	0.07052	0.10041	0.06722	0.1132	0.03249	0.30616	0.10067	0.1004	0.51484869	0.004144122	1.564E-07	0.004172241	0.01066	0.030136568	0.015939	0.01525747	0.564644
2598	493280.5	3860493.11	0.07035	0.09646	0.0675	0.11302	0.03357	0.30413	0.09648	0.0965	0.51360756	0.003981097	1.57E-07	0.004165607	0.011015	0.029936747	0.015276	0.01465726	0.563325
2599	493330.5	3860493.11	0.07008	0.09418	0.0675	0.11126	0.03486	0.30079	0.09312	0.0942	0.51163636	0.003886997	1.57E-07	0.004100738	0.011438	0.029607977	0.014744	0.01431081	0.561103
2600	493380.5	3860493.11	0.0695	0.09299	0.06755	0.10958	0.03581	0.2939	0.09267	0.093	0.50740193	0.003837884	1.571E-07	0.004038818	0.01175	0.028929766	0.014673	0.01412999	0.556501
2601	493330.5	3860543.11	0.06866	0.09693	0.06165	0.10541	0.03185	0.26754	0.09679	0.0969	0.5012693	0.004000495	1.434E-07	0.003885123	0.01045	0.026335045	0.015325	0.01472868	0.546537
2602	493380.5	3860543.11	0.06816	0.09634	0.06264	0.10296	0.03308	0.25792	0.0965	0.0963	0.49761893	0.003976145	1.457E-07	0.003794823	0.010854	0.025388109	0.015279	0.01463902	0.542272
2603	494135.94	3860876.85	0.0547	0.10296	0.04541	0.07711	0.03006	0.11908	0.10182	0.103	0.39935087	0.004249366	1.056E-07	0.002842063	0.009863	0.011721526	0.016121	0.01564495	0.428503
2604	494185.94	3860876.85	0.0547	0.10138	0.04465	0.0762	0.03046	0.11855	0.10072	0.1014	0.39935087	0.004184156	1.039E-07	0.002808523	0.009994	0.011669356	0.015947	0.01540486	0.42855
2605	494135.94	3860926.85	0.05354	0.11057	0.04397	0.07589	0.02852	0.1144	0.10862	0.1106	0.390882	0.004563445	1.023E-07	0.002797097	0.009358	0.011260855	0.017198	0.0168013	0.419258
2606	494185.94	3860926.85	0.05328	0.1086	0.044	0.07531	0.02877	0.1106	0.10706	0.1086	0.38898381	0.00448214	1.024E-07	0.00277572	0.00944	0.010886806	0.016951	0.01650195	0.417017
2607	494135.94	3860976.85	0.05197	0.11773	0.04163	0.07333	0.02655	0.10376	0.11598	0.1177	0.37941983	0.004858953	9.685E-08	0.002702743	0.008711	0.010213517	0.018363	0.01788927	0.406381
2608	494185.94	3860976.85	0.05191	0.11562	0.04199	0.07192	0.02745	0.10286	0.11389	0.1156	0.37898179	0.004771869	9.769E-08	0.002650774	0.009007	0.010124926	0.018032	0.01756865	0.406
2609	494135.94	3861026.85	0.05066	0.12502	0.03755	0.07026	0.02478	0.09478	0.12382	0.125	0.36985585	0.005159826	8.736E-08	0.002589591	0.008131	0.009329579	0.019605	0.018997	0.395673
2610	494185.94	3861026.85	0.05066	0.12225	0.03792	0.07001	0.02528	0.09461	0.12099	0.1223	0.36985585	0.005045502	8.822E-08	0.002580376	0.008295	0.009312845	0.019157	0.01857609	0.39567
2611	494135.94	3861076.85	0.04848	0.13436	0.03626	0.06567	0.02407	0.08999	0.13405	0.1344	0.35394022	0.005545306	8.435E-08	0.002420416	0.007898	0.00885808	0.021224	0.02041623	0.37947
2612	494185.94	3861076.85	0.04857	0.13159	0.0363	0.06607	0.02394	0.08632	0.13107	0.1316	0.35459729	0.005430983	8.445E-08	0.002435159	0.007855	0.008496827	0.020753	0.01999532	0.379573
2613	490360.04	3858710.04	0.16388	0.10157	0.12953	0.33791	0.16686	0.20707	0.09864	0.1016	1.19644645	0.004191997	3.013E-07	0.012454435	0.054749	0.020382738	0.015618	0.01543373	1.288409
2614	490410.04	3858710.04	0.16202	0.09844	0.13878	0.32959	0.1575	0.20114	0.09567	0.0984	1.18286706	0.004062816	3.229E-07	0.012147783	0.051678	0.019799024	0.015148	0.01495812	1.270744
2615	490460.04	3858710.04	0.16069	0.09426	0.1299	0.31624	0.16797	0.19326	0.09133	0.0943	1.17315707	0.003890299	3.022E-07	0.011655739	0.055113	0.019023364	0.01446	0.01432297	1.262977
2616	490510.04	3858710.04	0.15897	0.09143	0.12623	0.30959	0.17482	0.18802	0.08842	0.0914	1.16059978	0.003773499	2.937E-07	0.011410638	0.057361	0.018507569	0.014	0.01389294	1.251759
2617	490560.04	3858710.04	0.15714	0.08905	0.11896	0.30908	0.18226	0.18369	0.086	0.0891	1.14723941	0.003675272	2.767E-07	0.011391841	0.059802	0.01808135	0.013617	0.0135313	1.240275
2618	490610.04	3858710.04	0.15516	0.08617	0.11938	0.30147	0.18403	0.17907	0.08351	0.0862	1.13278393	0.003556409	2.777E-07	0.011111357	0.060383	0.017626585	0.013222	0.01309368	1.22559
2619	490660.04	3858710.04	0.15284	0.08463	0.11246	0.30677	0.181	0.17638	0.08229	0.0846	1.1158462	0.00349285	2.616E-07	0.0113067	0.059389	0.017361797	0.013029	0.01285967	1.207566
2620	490710.04	3858710.04	0.15224	0.08142	0.10612	0.29158	0.1828	0.17051	0.07926	0.0814	1.11146575	0.003360367	2.469E-07	0.010746839	0.059979	0.016783989	0.012549	0.01237191	1.202514
2621	490760.04	3858710.04	0.15111	0.07945	0.10537	0.29032	0.1862	0.16562	0.07676	0.0795	1.10321591	0.003279061	2.451E-07	0.010700399	0.061095	0.016302647	0.012154	0.01207256	1.194674
2622	490810.04	3858710.04	0.15049	0.07751	0.10251	0.28414	0.18624	0.1608	0.07435	0.0775	1.09868944	0.003198993	2.385E-07	0.010472621	0.061108	0.015828195	0.011772	0.01177777	1.189292
2623	490860.04	3858710.04	0.15033	0.07457	0.10626	0.27105	0.18783	0.15469	0.07174	0.0746	1.09752132	0.003077653	2.472E-07	0.009990159	0.06163	0.015226763	0.011359	0.01133104	1.187473
2624	490360.04	3858760.04	0.16448	0.10489	0.13212	0.32168	0.14843	0.21045	0.10209	0.1049	1.2008269	0.00432902	3.074E-07	0.011856242	0.048702	0.020715445	0.016164	0.01593821	1.286656
2625	490410.04	3858760.04	0.16258	0.10137	0.13374	0.31578	0.16153	0.20314	0.09849	0.1014	1.18695548	0.004183743	3.111E-07	0.011638784	0.053	0.019995892	0.015594	0.01540334	1.275965
2626	490460.04	3858760.04	0.16093	0.09747	0.13557	0.30432	0.15542	0.19592	0.09465	0.0975	1.17490924	0.004022782	3.154E-07	0.0112164	0.050995	0.019285198	0.014986	0.01481073	1.260605
2627	490510.04	3858760.04	0.15955	0.09339	0.12814	0.29587	0.14754	0.18838	0.09076	0.0934	1.16483421	0.003854392	2.981E-07	0.010904956	0.04841	0.018543006	0.01437	0.01419077	1.246726
2628	490560.04	3858760.04	0.1575	0.08998	0.1292	0.29484	0.15723	0.18268	0.08776	0.09	1.14986768	0.003713655	3.006E-07	0.010866993	0.051589	0.017981932	0.013895	0.01367261	1.234242
2629	490610.04	3858760.04	0.1555	0.08617	0.11787	0.29381	0.16584	0.1764	0.08471	0.0862	1.13526619	0.003556409	2.742E-07	0.01082903	0.054414	0.017363766	0.013412	0.01309368	1.221749
2630	490660.04	3858760.04	0.15395	0.08318	0.11899	0.27822	0.1728	0.17157	0.08203	0.0832	1.12395003	0.003433005	2.768E-07	0.010254426	0.056698	0.016888329	0.012988	0.01263934	1.211573
2631	490710.04	3858760.04	0.15314	0.08115	0.11526	0.27263	0.176	0.16722	0.07935	0.0812	1.11803642	0.003349223	2.681E-07	0.010048394	0.057748	0.016460141	0.012564	0.01233088	1.205875
2632	490760.04	3858760.04	0.15267	0.07925	0.11779	0.26167	0.17539	0.16201	0.0762	0.0793	1.11460507	0.003270806	2.74E-07	0.009644438	0.057548	0.0159473	0.012065	0.01204217	1.201038
2633	490810.04	3858760.04	0.1522	0.07674	0.11967	0.25616	0.1749	0.15732	0.07339	0.0767	1.11117372	0.003167214	2.784E-07	0.009441355	0.057387	0.015485644	0.01162	0.01166077	1.196614
2634	490860.04	3858760.04	0.15159	0.07425	0.11335	0.25044	0.17593	0.15341	0.07144	0.0743	1.10672027	0.003064446	2.637E-07	0.009230531	0.057725	0.015100767	0.011311	0.01128241	1.19187
2635	490360.04	3858810.04	0.16551	0.10819	0.13887	0.31554	0.12308	0.21137	0.10518	0.1082	1.20834667	0.004465218	3.231E-07	0.011629939	0.040384	0.020806004	0.016653	0.01643965	1.285846
2636	490410.04	3858810.04	0.16361	0.10347	0.13522	0.30148	0.13303	0.20295	0.10118	0.1035	1.19447525	0.004270414	3.146E-07	0.011111726	0.043649	0.01997719	0.01602	0.01572244	1.273781
2637	490460.04	3858810.04	0.16201	0.09912	0.13564	0.29505	0.14308	0.19529	0.09707	0.0991	1.18279405	0.004090881	3.156E-07	0.010874733	0.046946	0.019223185	0.015369	0.01506145	1.264237
2638	490510.04	3858810.04	0.15969	0.09568	0.13298	0.28532	0.15226	0.18958	0.09389	0.0957	1.16585632	0.003948905	3.094E-07	0.010516112	0.049959	0.018661127	0.014866	0.01453874	1.249268
2639	490560.04	3858810.04	0.15772	0.09181	0.13038	0.2818	0.14491	0.18347	0.09046	0.0918	1.15147385	0.003789183	3.033E-07	0.010386375	0.047547	0.018059695	0.014323	0.01395068	1.231628
2640	490610.04	3858810.04	0.1567	0.08693	0.13066	0.27569	0.13885	0.1766	0.08631	0.0869	1.14402708	0.003587775	3.04E-07	0.010161177	0.045559	0.017383453	0.013666	0.01320916	1.221175
2641	490660.04	3858810.04	0.15553	0.08406	0.12978	0.26664	0.14731	0.17166	0.08307	0.0841	1.13548521	0.003469325	3.019E-07	0.009827619	0.048334	0.016897188	0.013153	0.01277306	1.214394
2642	490710.04	3858810.04	0.15424	0.08131	0.12347	0.2601	0.155	0.16628	0.07963	0.0813	1.12606725	0.003355827	2.872E-07	0.009586572	0.050858	0.016367613	0.012608	0.01235519	1.206488
2643	490760.04	3858810.04	0.1541	0.07803	0.1176	0.24839	0.16436	0.15959	0.07528	0.078	1.12504514	0.003220454	2.736E-07	0.009154974	0.053929	0.01570909	0.011919	0.01185679	1.207121
2644	490810.04	3858810.04	0.1531	0.07649	0.11886	0.23753	0.16907	0.15581	0.07385	0.0765	1.11774439	0.003156896	2.765E-07	0.008754704	0.055474	0.015337009	0.011693	0.01162278	1.200537
2645	490860.04	3858810.04	0.15282	0.07397	0.12988	0.22755	0.16876	0.15089	0.07078	0.074	1.11570018	0.00305289	3.022E-07	0.008386869	0.055372	0.014852713	0.011207	0.01123987	1.197332
2646	490360.04	3858860.04	0.16736	0.11022	0.13573	0.30419	0.11739	0.2086	0.10734	0.1102	1.22185305	0.004549	3.158E-07	0.011211609	0.038517	0.020533342	0.016995	0.01674811	1.296912
2647	490410.04	3858860.04	0.16497	0.10631	0.1397	0.29813	0.1143	0.20331	0.10474	0.1063	1.20440426	0.004387627	3.25E-07	0.010988254	0.037503	0.020012626	0.016584	0.01615398	1.277726
2648	490460.04	3858860.04	0.16301	0.10118	0.13799	0.28722	0.11955	0.19428	0.09932	0.1012	1.1900948	0.004175901	3.21E-07	0.010586141	0.039226	0.019123767	0.015726	0.01537447	1.263558
2649	490510.04	3858860.04	0.1607	0.0988	0.13786	0.28163	0.12807	0.19018	0.09693	0.0988	1.17323007	0.004077674	3.207E-07	0.010380109	0.042021	0.018720187	0.015347	0.01501283	1.248764
2650	490560.04	3858860.04	0.15938	0.09392	0.13715	0.27287	0.13754	0.18443	0.09232	0.0939	1.16359309	0.003876267	3.191E-07	0.010057239	0.045129	0.018154191	0.014617	0.0142713	1.241156
2651	490610.04	3858860.04	0.15879	0.08849	0.13918	0.26361	0.14161	0.17699	0.08676	0.0885	1.15928565	0.00365216	3.238E-07	0.009715941	0.046464	0.017421842	0.013737	0.0134462	1.236831

2652	490660.04	3858860.04	0.15718	0.08522	0.1353	0.25835	0.13571	0.17177	0.08343	0.0852	1.14753144	0.0035172	3.148E-07	0.009522072	0.044528	0.016908016	0.01321	0.01294932	1.222268
2653	490710.04	3858860.04	0.15539	0.08254	0.13542	0.25402	0.1311	0.16778	0.08104	0.0825	1.13446311	0.003406591	3.15E-07	0.00936248	0.043016	0.016515264	0.012831	0.01254209	1.207053
2654	490760.04	3858860.04	0.15478	0.07893	0.13465	0.23773	0.13798	0.16123	0.07666	0.0789	1.13000965	0.003257599	3.132E-07	0.008762075	0.045273	0.015870521	0.012138	0.01199355	1.203317
2655	490810.04	3858860.04	0.15399	0.07596	0.13447	0.22554	0.14448	0.15468	0.07315	0.076	1.12424206	0.003135021	3.128E-07	0.008312786	0.047406	0.015225778	0.011582	0.01154225	1.198362
2656	490860.04	3858860.04	0.15369	0.07329	0.13779	0.21318	0.15232	0.14886	0.0698	0.0733	1.12205183	0.003024825	3.206E-07	0.00785723	0.049978	0.014652892	0.011052	0.01113654	1.19748
2657	490360.04	3858910.04	0.16836	0.11667	0.14606	0.30792	0.10974	0.2145	0.11305	0.1167	1.2291538	0.004815205	3.398E-07	0.011349086	0.036007	0.021114103	0.017899	0.0177282	1.302611
2658	490410.04	3858910.04	0.16663	0.11041	0.1568	0.29643	0.10902	0.20694	0.10853	0.1104	1.2165235	0.004556842	3.648E-07	0.010925596	0.035771	0.020369942	0.017184	0.01677699	1.288554
2659	490460.04	3858910.04	0.16466	0.10495	0.15749	0.28566	0.10925	0.20001	0.10334	0.105	1.20214103	0.004331497	3.664E-07	0.010528644	0.035846	0.019687794	0.016362	0.01594733	1.27295
2660	490510.04	3858910.04	0.16276	0.0996	0.15771	0.27348	0.10926	0.19329	0.09811	0.0996	1.18826961	0.004110692	3.669E-07	0.010079722	0.03585	0.019026317	0.015534	0.01513439	1.257736
2661	490560.04	3858910.04	0.16136	0.0946	0.15794	0.26472	0.11567	0.18648	0.09266	0.0946	1.17804857	0.003904332	3.674E-07	0.009756853	0.037953	0.018355981	0.014671	0.01437463	1.248315
2662	490610.04	3858910.04	0.16006	0.09019	0.1458	0.25639	0.12386	0.1778	0.08746	0.0902	1.16855759	0.003722322	3.392E-07	0.009449832	0.04064	0.017501574	0.013848	0.01370452	1.240015
2663	490660.04	3858910.04	0.15807	0.0864	0.15975	0.2498	0.13162	0.17159	0.08311	0.0864	1.15402911	0.003565901	3.716E-07	0.009206943	0.043186	0.016890298	0.013159	0.01312863	1.226909
2664	490710.04	3858910.04	0.15698	0.08205	0.16345	0.23879	0.13169	0.16553	0.07909	0.0821	1.14607129	0.003386368	3.802E-07	0.008801144	0.043209	0.016293788	0.012522	0.01246764	1.217817
2665	490760.04	3858910.04	0.15635	0.07804	0.1623	0.22164	0.12683	0.1593	0.07502	0.078	1.14147182	0.003220867	3.776E-07	0.008169042	0.041615	0.015680544	0.011878	0.01185831	1.210177
2666	490810.04	3858910.04	0.15547	0.07584	0.16846	0.2149	0.12391	0.15377	0.07269	0.0758	1.13504716	0.003130069	3.919E-07	0.007920624	0.040657	0.015136203	0.011509	0.01152402	1.201876
2667	490860.04	3858910.04	0.15512	0.07056	0.14995	0.2006	0.1289	0.14533	0.06758	0.0706	1.1324919	0.002912153	3.488E-07	0.007393566	0.042294	0.01430542	0.0107	0.01072171	1.199376
2668	490360.04	3858960.04	0.17071	0.11981	0.17384	0.30974	0.11609	0.22172	0.11562	0.1198	1.24631055	0.004944799	4.044E-07	0.011416166	0.038091	0.021824797	0.018306	0.01820533	1.322688
2669	490410.04	3858960.04	0.16909	0.11264	0.1815	0.29824	0.10894	0.21208	0.1102	0.1126	1.23448334	0.004648879	4.222E-07	0.010992308	0.035745	0.020875893	0.017448	0.01711584	1.307078
2670	490460.04	3858960.04	0.16783	0.10473	0.18767	0.28261	0.10161	0.20267	0.10316	0.1047	1.2252844	0.004322417	4.366E-07	0.010416229	0.03334	0.019949628	0.016334	0.0159139	1.293732
2671	490510.04	3858960.04	0.16597	0.10004	0.17613	0.27068	0.10611	0.19504	0.09755	0.1	1.21170501	0.004128851	4.097E-07	0.009976522	0.034816	0.019198576	0.015445	0.01520125	1.28007
2672	490560.04	3858960.04	0.16373	0.09561	0.18125	0.25841	0.10413	0.18805	0.09252	0.0956	1.19535134	0.003946016	4.217E-07	0.009524284	0.034166	0.018510523	0.014649	0.0145281	1.26162
2673	490610.04	3858960.04	0.16165	0.08917	0.18571	0.24998	0.10496	0.17718	0.08515	0.0892	1.18016578	0.003680225	4.32E-07	0.009213577	0.034439	0.017440544	0.013482	0.01354953	1.244872
2674	490660.04	3858960.04	0.15906	0.08673	0.17893	0.24527	0.11211	0.17314	0.08283	0.0867	1.16125685	0.003579521	4.163E-07	0.009039979	0.036785	0.017042871	0.013115	0.01317877	1.22764
2675	490710.04	3858960.04	0.15815	0.08239	0.1902	0.22669	0.11987	0.16552	0.07834	0.0824	1.15461317	0.0034004	4.425E-07	0.008355171	0.039331	0.016292803	0.012404	0.0125193	1.221877
2676	490760.04	3858960.04	0.15751	0.07913	0.184	0.21427	0.12512	0.15756	0.07495	0.0791	1.14994069	0.003265854	4.281E-07	0.007897404	0.041054	0.015509268	0.011867	0.01202394	1.21751
2677	490810.04	3858960.04	0.1568	0.07433	0.17729	0.20511	0.12223	0.14912	0.0705	0.0743	1.14475716	0.003067748	4.124E-07	0.007559792	0.040105	0.014678485	0.011162	0.01129457	1.210037
2678	490860.04	3858960.04	0.15632	0.06841	0.17624	0.18639	0.11795	0.13973	0.06504	0.0684	1.1412528	0.002823418	4.1E-07	0.006869824	0.038701	0.013754189	0.010298	0.01039501	1.203305
2679	490360.04	3859010.04	0.17345	0.12264	0.21106	0.31087	0.12711	0.229	0.11744	0.1226	1.2663146	0.005061599	4.91E-07	0.011457815	0.041707	0.022541397	0.018594	0.01863535	1.347042
2680	490410.04	3859010.04	0.17198	0.11494	0.20907	0.29636	0.11326	0.21725	0.11088	0.1149	1.2555825	0.004743804	4.864E-07	0.010923016	0.037162	0.021384797	0.017556	0.01746533	1.329887
2681	490460.04	3859010.04	0.17093	0.10489	0.20655	0.28068	0.10896	0.20388	0.10202	0.1049	1.24791672	0.00432902	4.805E-07	0.010345095	0.035751	0.020068733	0.016153	0.01593821	1.318626
2682	490510.04	3859010.04	0.16983	0.09782	0.21766	0.25982	0.0997	0.1905	0.0937	0.0978	1.23988589	0.004037227	5.064E-07	0.009576252	0.032713	0.018751686	0.014836	0.01486391	1.304936
2683	490560.04	3859010.04	0.16641	0.09423	0.20881	0.25017	0.09728	0.18418	0.08995	0.0942	1.21491734	0.003889061	4.858E-07	0.00922058	0.031919	0.018129583	0.014242	0.01431841	1.277999
2684	490610.04	3859010.04	0.16368	0.08859	0.21595	0.23803	0.10021	0.17403	0.08439	0.0886	1.1949863	0.003656287	5.024E-07	0.008773133	0.03288	0.017130477	0.013362	0.0134614	1.257327
2685	490660.04	3859010.04	0.16039	0.08646	0.21339	0.23242	0.1014	0.16981	0.08237	0.0865	1.17096684	0.003568377	4.964E-07	0.008566363	0.033271	0.016715085	0.013042	0.01313774	1.232992
2686	490710.04	3859010.04	0.15974	0.08257	0.20907	0.21666	0.10297	0.1608	0.07744	0.0826	1.16622136	0.003407829	4.864E-07	0.007985493	0.033786	0.015828195	0.012261	0.01254665	1.226944
2687	490760.04	3859010.04	0.15896	0.0773	0.22058	0.2074	0.10858	0.15478	0.07347	0.0773	1.16052677	0.003190326	5.132E-07	0.007644195	0.035627	0.015235622	0.011633	0.01174586	1.222111
2688	490810.04	3859010.04	0.15811	0.07185	0.2221	0.19377	0.11436	0.14705	0.06826	0.0719	1.15432114	0.002965393	5.167E-07	0.00714183	0.037523	0.014474727	0.010808	0.01091773	1.216317
2689	490860.04	3859010.04	0.15756	0.06738	0.21599	0.1775	0.1181	0.13904	0.06459	0.0674	1.15030573	0.002780908	5.025E-07	0.006542163	0.03875	0.01368627	0.010227	0.0102385	1.212054
2690	490360.04	3859060.04	0.1761	0.1245	0.25989	0.31453	0.12874	0.22797	0.11855	0.1245	1.28566158	0.005138364	6.046E-07	0.011592713	0.042241	0.02244001	0.01877	0.01891798	1.366927
2691	490410.04	3859060.04	0.17496	0.11418	0.27434	0.29061	0.12616	0.21356	0.1084	0.1142	1.27733873	0.004712437	6.382E-07	0.010711087	0.041395	0.021021575	0.017163	0.01734984	1.354993
2692	490460.04	3859060.04	0.17371	0.10502	0.26327	0.27185	0.11414	0.20197	0.0998	0.105	1.26821279	0.004334386	6.125E-07	0.010019645	0.037451	0.019880724	0.015802	0.01595797	1.339743
2693	490510.04	3859060.04	0.17161	0.09854	0.25028	0.25488	0.10764	0.19086	0.0938	0.0985	1.25288122	0.004066943	5.822E-07	0.009394177	0.035318	0.018787122	0.014852	0.01497332	1.320326
2694	490560.04	3859060.04	0.16938	0.09287	0.2431	0.24021	0.09925	0.17838	0.08846	0.0929	1.23660056	0.003832931	5.655E-07	0.008853481	0.032565	0.017558665	0.014006	0.01411175	1.299306
2695	490610.04	3859060.04	0.16606	0.08958	0.25886	0.23108	0.09269	0.1706	0.08465	0.0896	1.21236208	0.003697146	6.022E-07	0.008516975	0.030413	0.016792848	0.013403	0.01361183	1.271573
2696	490660.04	3859060.04	0.16368	0.0867	0.27493	0.21961	0.0931	0.16519	0.08123	0.0867	1.1949863	0.003578283	6.396E-07	0.008094222	0.030547	0.01626032	0.012861	0.01317421	1.253154
2697	490710.04	3859060.04	0.16237	0.08004	0.27201	0.20803	0.0942	0.158	0.07638	0.08	1.18542232	0.003303411	6.328E-07	0.007667415	0.030908	0.015552579	0.012093	0.01216221	1.242786
2698	490760.04	3859060.04	0.16113	0.07444	0.26625	0.19945	0.09796	0.15104	0.07104	0.0744	1.17636939	0.003072288	6.194E-07	0.00735118	0.032142	0.014867478	0.011248	0.01131128	1.23374
2699	490810.04	3859060.04	0.16042	0.06958	0.26523	0.18101	0.09981	0.14222	0.06634	0.0696	1.17118586	0.002871706	6.17E-07	0.006671532	0.032749	0.01399929	0.010504	0.0105728	1.227409
2700	490860.04	3859060.04	0.16011	0.06652	0.2615	0.16715	0.1011	0.1344	0.06306	0.0665	1.16892263	0.002745414	6.084E-07	0.00616069	0.033172	0.013229536	0.009984	0.01010783	1.224108
2701	490360.04	3859110.04	0.17831	0.1283	0.34101	0.32283	0.12992	0.22968	0.12266	0.1283	1.30179623	0.005295198	7.933E-07	0.011898628	0.042629	0.022608332	0.019421	0.0194954	1.384153
2702	490410.04	3859110.04	0.17691	0.11749	0.3223	0.29273	0.12532	0.21511	0.1104	0.1175	1.29157518	0.004849048	7.498E-07	0.010789225	0.041119	0.021174148	0.01748	0.0178528	1.369135
2703	490460.04	3859110.04	0.17492	0.11023	0.31309	0.27756	0.12311	0.20542	0.10397	0.1102	1.2770467	0.004549413	7.284E-07	0.0102301	0.040394	0.020220322	0.016462	0.01674963	1.352153
2704	490510.04	3859110.04	0.17356	0.09895	0.32326	0.2488	0.11537	0.1858	0.0941	0.099	1.26711768	0.004083865	7.52E-07	0.009170085	0.037854	0.018289046	0.014899	0.01503562	1.336379
2705	490560.04	3859110.04	0.17108	0.09433	0.3349	0.23591	0.10547	0.17499	0.08886	0.0943	1.24901183	0.003893188	7.791E-07	0.008694995	0.034606	0.017224974	0.014069	0.0143336	1.313168
2706	490610.04	3859110.04	0.16996	0.08766	0.3438	0.2222	0.09676	0.16605	0.0828	0.0877	1.24083499	0.003617904	7.998E-07	0.008189682	0.031748	0.016344973	0.01311	0.01332008	1.300526
2707	490660.04	3859110.04	0.1686	0.08028	0.32595	0.20663	0.09062	0.1565	0.0762	0.0803	1.23090598	0.003313316	7.583E-07	0.007615815	0.029734	0.015404928	0.012065	0.01219868	1.286841
2708	490710.04	3859110.04	0.1667	0.07667	0.34253	0.19895	0.08734	0.15109	0.07285	0.0767	1.21703456	0.003164325	7.969E-07	0.007332751	0.028657	0.0148724	0.011534	0.01165014	1.270947
2709	490760.04	3859110.04	0.16529	0.07262	0.35622	0.18732	0.08711	0.14377	0.06875	0.0726	1.2067405	0.002997173	8.287E-07	0.006904101	0.028582	0.014151863	0.010885	0.01103473	1.259227
2710	490810.04	3859110.04	0.16437	0.06858	0.32262	0.16683	0.08247	0.13375	0.06451	0.0686	1.20002381	0.002830434	7.505E-07	0.006148896	0.02706	0.013165554	0.010214	0.01042085	1.249022

2711	490860.04	3859110.04	0.16371	0.06442	0.31442	0.15353	0.08417	0.12669	0.06048	0.0644	1.19520532	0.002658742	7.315E-07	0.005658695	0.027617	0.012470609	0.009576	0.00978873	1.243399
2712	490360.04	3859160.04	0.17957	0.13446	0.44671	0.33411	0.12242	0.23451	0.12897	0.1345	1.31099517	0.005549434	1.039E-06	0.012314378	0.040168	0.023083768	0.02042	0.02043142	1.3921
2713	490410.04	3859160.04	0.17817	0.12321	0.45477	0.30317	0.12773	0.21987	0.11636	0.1232	1.30077413	0.005085124	1.058E-06	0.011174014	0.04191	0.021642694	0.018423	0.01872197	1.380288
2714	490460.04	3859160.04	0.17575	0.11433	0.46973	0.28068	0.12272	0.20699	0.10859	0.1143	1.28310632	0.004718628	1.093E-06	0.010345095	0.040266	0.020374863	0.017193	0.01737264	1.358633
2715	490510.04	3859160.04	0.17326	0.10464	0.46745	0.25816	0.11941	0.19254	0.10009	0.1046	1.26492746	0.004318702	1.087E-06	0.009515069	0.03918	0.018952491	0.015847	0.01590022	1.336842
2716	490560.04	3859160.04	0.17224	0.09676	0.48284	0.23748	0.11527	0.17601	0.0911	0.0968	1.2574807	0.003993479	1.123E-06	0.008752861	0.037822	0.017325377	0.014424	0.01470284	1.325096
2717	490610.04	3859160.04	0.17121	0.09021	0.50407	0.22221	0.10323	0.16567	0.08562	0.0902	1.24996093	0.003723147	1.173E-06	0.008190051	0.033871	0.016307569	0.013556	0.01370756	1.311903
2718	490660.04	3859160.04	0.17255	0.07871	0.43935	0.19707	0.09625	0.14944	0.0751	0.0787	1.25974393	0.003248519	1.022E-06	0.007263459	0.031581	0.014709984	0.011891	0.01196012	1.316478
2719	490710.04	3859160.04	0.17069	0.07543	0.40306	0.18932	0.08781	0.14402	0.07147	0.0754	1.24616454	0.003113147	9.377E-07	0.006977816	0.028812	0.014176471	0.011316	0.01146172	1.299099
2720	490760.04	3859160.04	0.17017	0.06971	0.35774	0.16931	0.07769	0.13297	0.06526	0.0697	1.24236815	0.002877071	8.322E-07	0.006240302	0.025491	0.013088775	0.010333	0.01059255	1.289806
2721	490810.04	3859160.04	0.16847	0.06653	0.33435	0.15746	0.07174	0.12839	0.06245	0.0665	1.22995688	0.002745826	7.778E-07	0.005803544	0.023539	0.012637947	0.009888	0.01010935	1.274462
2722	490860.04	3859160.04	0.16708	0.06264	0.31257	0.15006	0.06958	0.12359	0.05966	0.0626	1.21980884	0.002585278	7.272E-07	0.0055308	0.02283	0.012165464	0.009446	0.00951825	1.262849
2723	490360.04	3859210.04	0.18029	0.14204	0.67502	0.35304	0.10708	0.24435	0.13759	0.142	1.31625171	0.005862275	1.57E-06	0.013012086	0.035134	0.024052359	0.021785	0.02158322	1.394516
2724	490410.04	3859210.04	0.17764	0.13406	0.71115	0.32777	0.11403	0.23274	0.12917	0.1341	1.29690473	0.005532925	1.654E-06	0.012080703	0.037415	0.02290954	0.020452	0.02037064	1.374925
2725	490460.04	3859210.04	0.17566	0.11989	0.71615	0.28561	0.12236	0.20934	0.11454	0.1199	1.28244925	0.004948101	1.666E-06	0.010526801	0.040148	0.020606183	0.018135	0.01821749	1.358598
2726	490510.04	3859210.04	0.174	0.1099	0.66872	0.26058	0.11956	0.19385	0.10457	0.1099	1.27033001	0.004535793	1.556E-06	0.009604264	0.039229	0.01908144	0.016557	0.01669949	1.34264
2727	490560.04	3859210.04	0.17262	0.10294	0.58011	0.2475	0.11502	0.18346	0.09766	0.1029	1.26025498	0.00424854	1.35E-06	0.009122171	0.03774	0.01805871	0.015463	0.01564191	1.329246
2728	490610.04	3859210.04	0.17226	0.09405	0.5601	0.22809	0.11361	0.16845	0.08934	0.0941	1.25762671	0.003881632	1.303E-06	0.008406772	0.037277	0.016581215	0.014145	0.01429106	1.323629
2729	490660.04	3859210.04	0.17303	0.08308	0.49417	0.20159	0.10399	0.15095	0.07846	0.0831	1.26324829	0.003428878	1.15E-06	0.007430054	0.034121	0.014858619	0.012423	0.01262415	1.322886
2730	490710.04	3859210.04	0.17235	0.0773	0.46192	0.18708	0.09699	0.14361	0.07241	0.0773	1.25828378	0.003190326	1.075E-06	0.006895255	0.031824	0.014136113	0.011465	0.01174586	1.314049
2731	490760.04	3859210.04	0.17265	0.07177	0.41243	0.16984	0.08067	0.13467	0.06694	0.0718	1.260474	0.002962092	9.595E-07	0.006259836	0.026469	0.013256113	0.010599	0.01090557	1.309115
2732	490810.04	3859210.04	0.16994	0.0702	0.40249	0.16474	0.07587	0.13246	0.06569	0.0702	1.24068898	0.002897295	9.363E-07	0.006071864	0.024894	0.013038574	0.010401	0.01066701	1.287325
2733	490860.04	3859210.04	0.16752	0.06868	0.37449	0.16166	0.0705	0.12967	0.06434	0.0687	1.22302117	0.002834561	8.712E-07	0.005958344	0.023132	0.012763943	0.010187	0.01043604	1.267462
2734	490360.04	3859260.04	0.18277	0.15107	0.97702	0.36333	0.09606	0.25156	0.14522	0.1511	1.33435756	0.006234962	2.273E-06	0.013391347	0.031519	0.024762069	0.022993	0.02295534	1.410304
2735	490410.04	3859260.04	0.17832	0.14186	0.86492	0.33306	0.09963	0.23863	0.13438	0.1419	1.30186924	0.005854846	2.012E-06	0.012275678	0.03269	0.023489317	0.021277	0.02155587	1.375902
2736	490460.04	3859260.04	0.17556	0.13413	0.7973	0.3106	0.10651	0.22631	0.12695	0.1341	1.28171918	0.005535814	1.855E-06	0.011447864	0.034947	0.022276609	0.0201	0.02038128	1.355648
2737	490510.04	3859260.04	0.1736	0.12427	0.75387	0.28974	0.11343	0.21124	0.1193	0.1243	1.26740971	0.005128872	1.754E-06	0.010679021	0.037218	0.020793208	0.018889	0.01888304	1.341236
2738	490560.04	3859260.04	0.17266	0.11388	0.69343	0.26831	0.11736	0.19582	0.11005	0.1139	1.26054701	0.004700056	1.613E-06	0.00988917	0.038507	0.019275355	0.017424	0.01730426	1.333041
2739	490610.04	3859260.04	0.17272	0.10098	0.61556	0.24096	0.11251	0.17472	0.09564	0.101	1.26098505	0.004167647	1.432E-06	0.008881124	0.036916	0.017198397	0.015143	0.01534408	1.327948
2740	490660.04	3859260.04	0.17066	0.09757	0.581	0.22854	0.10973	0.17022	0.0925	0.0976	1.24594551	0.004026909	1.352E-06	0.008423357	0.036004	0.016755443	0.014646	0.01482593	1.310976
2741	490710.04	3859260.04	0.16963	0.08933	0.53561	0.21126	0.10411	0.15839	0.08394	0.0893	1.23842574	0.003686828	1.246E-06	0.007786464	0.03416	0.015590969	0.01329	0.01357384	1.299368
2742	490760.04	3859260.04	0.17061	0.08194	0.46538	0.19212	0.09567	0.14678	0.07733	0.0819	1.24558048	0.003381828	1.083E-06	0.007081016	0.031391	0.014448149	0.012244	0.01245092	1.301676
2743	490810.04	3859260.04	0.1692	0.07862	0.43102	0.18547	0.08599	0.14323	0.07451	0.0786	1.23528642	0.003244805	1.003E-06	0.006835915	0.028214	0.014098709	0.011797	0.01194644	1.287532
2744	490860.04	3859260.04	0.16766	0.07589	0.41128	0.17965	0.08002	0.13924	0.07206	0.0759	1.22404327	0.003132132	9.568E-07	0.006621406	0.026256	0.013705957	0.011409	0.01153161	1.273637
2745	490360.04	3859310.04	0.18351	0.17198	1.0544	0.40098	0.09072	0.27131	0.16258	0.172	1.33976012	0.007097959	2.453E-06	0.014779022	0.029766	0.026706141	0.025742	0.02613265	1.417721
2746	490410.04	3859310.04	0.18031	0.15633	0.99666	0.36174	0.08983	0.25563	0.14906	0.1563	1.31639772	0.006452052	2.319E-06	0.013332744	0.029474	0.025162695	0.023601	0.02375461	1.390668
2747	490460.04	3859310.04	0.1778	0.14591	0.888	0.33935	0.09245	0.24084	0.13897	0.1459	1.29807285	0.006021998	2.066E-06	0.01250751	0.030334	0.023706856	0.022003	0.02217127	1.370477
2748	490510.04	3859310.04	0.17545	0.13763	0.80443	0.31957	0.09943	0.2301	0.1314	0.1376	1.28091609	0.005680266	1.871E-06	0.011778473	0.032624	0.022649674	0.020805	0.02091311	1.353542
2749	490560.04	3859310.04	0.17329	0.12849	0.72958	0.29542	0.10574	0.21796	0.12365	0.1285	1.26514648	0.00530304	1.697E-06	0.010888371	0.034695	0.021454685	0.019578	0.01952427	1.337542
2750	490610.04	3859310.04	0.17091	0.12177	0.69884	0.27634	0.11264	0.20755	0.11755	0.1218	1.2477707	0.005025692	1.626E-06	0.010185134	0.036959	0.020429986	0.018612	0.01850316	1.320481
2751	490660.04	3859310.04	0.16938	0.11352	0.65532	0.25879	0.10991	0.1948	0.10996	0.1135	1.23660056	0.004685198	1.525E-06	0.009538289	0.036063	0.019174952	0.01741	0.01724955	1.306224
2752	490710.04	3859310.04	0.1697	0.10054	0.58614	0.22979	0.10569	0.173	0.09534	0.1005	1.2389368	0.004149487	1.364E-06	0.008469429	0.034678	0.01702909	0.015095	0.01527722	1.303083
2753	490760.04	3859310.04	0.16902	0.09325	0.53924	0.21369	0.10169	0.16123	0.08841	0.0933	1.23397229	0.003848614	1.254E-06	0.007876027	0.033366	0.015870521	0.013998	0.01416949	1.294763
2754	490810.04	3859310.04	0.16767	0.0893	0.50731	0.20757	0.09418	0.15489	0.08495	0.0893	1.22411628	0.00368559	1.18E-06	0.007650461	0.030902	0.01524645	0.01345	0.01356929	1.281483
2755	490860.04	3859310.04	0.16696	0.08394	0.46632	0.19684	0.08687	0.14694	0.07895	0.0839	1.21893275	0.003464372	1.085E-06	0.007254982	0.028503	0.014463899	0.0125	0.01275482	1.272366
2756	490360.04	3859360.04	0.18575	0.19049	1.13909	0.46872	0.08408	0.30364	0.18348	0.1905	1.35611379	0.007861904	2.65E-06	0.017275733	0.027588	0.029888514	0.029051	0.02894528	1.438836
2757	490410.04	3859360.04	0.18243	0.17983	1.04859	0.42813	0.0867	0.28381	0.17217	0.1798	1.33187531	0.007421944	2.439E-06	0.015779697	0.028447	0.027936567	0.02726	0.02732547	1.411398
2758	490460.04	3859360.04	0.17911	0.1667	0.95204	0.39558	0.08394	0.26823	0.16276	0.1667	1.30763683	0.006880043	2.215E-06	0.014579993	0.027542	0.026402964	0.02577	0.02533035	1.383484
2759	490510.04	3859360.04	0.1761	0.15808	0.87926	0.36428	0.08569	0.2546	0.15216	0.1581	1.28566158	0.006524278	2.046E-06	0.013426361	0.028116	0.025061308	0.024092	0.02402052	1.358863
2760	490560.04	3859360.04	0.17393	0.14655	0.80116	0.32824	0.09226	0.2395	0.13899	0.1466	1.26981896	0.006048412	1.864E-06	0.012098026	0.030272	0.023574954	0.022007	0.02226852	1.341552
2761	490610.04	3859360.04	0.17233	0.13487	0.73358	0.30478	0.0987	0.22455	0.12881	0.1349	1.25813776	0.005566355	1.707E-06	0.011233354	0.032385	0.022103365	0.020395	0.02049372	1.329328
2762	490660.04	3859360.04	0.17067	0.12536	0.67165	0.28476	0.10504	0.21287	0.1211	0.1254	1.24601852	0.005173858	1.563E-06	0.010495472	0.034465	0.020953656	0.019174	0.01904866	1.317233
2763	490710.04	3859360.04	0.16954	0.11436	0.6142	0.26112	0.10803	0.19538	0.11104	0.1144	1.23776868	0.004719866	1.429E-06	0.009624167	0.035446	0.019232044	0.017581	0.01737719	1.306996
2764	490760.04	3859360.04	0.16846	0.10483	0.55343	0.23785	0.10377	0.17642	0.09901	0.1048	1.22988387	0.004326544	1.287E-06	0.008766498	0.034048	0.017365735	0.015676	0.01592909	1.29414
2765	490810.04	3859360.04	0.16588	0.10207	0.5208	0.23074	0.09887	0.1725	0.09626	0.1021	1.21104794	0.004212633	1.212E-06	0.008504443	0.032441	0.016979873	0.015241	0.01550971	1.272918
2766	490860.04	3859360.04	0.16379	0.09612	0.4785	0.21897	0.09362	0.16235	0.0907	0.0961	1.19578938	0.003967065	1.113E-06	0.008070633	0.030718	0.015980767	0.014361	0.0146056	1.254282
2767	490360.04	3859410.04	0.1899	0.21679	1.15732	0.56383	0.06966	0.35174	0.21061	0.2168	1.38641189	0.008947358	2.692E-06	0.020781227	0.022856	0.034623192	0.033346	0.0329416	1.474027
2768	490410.04	3859410.04	0.18499	0.20189	1.03269	0.51063	0.07669	0.3212	0.19648	0.2019	1.35056522	0.008332405	2.402E-06	0.018820421	0.025163	0.031617016	0.031109	0.03067752	1.434932
2769	490460.04	3859410.04	0.18114	0.19084	0.93436	0.46889	0.08302	0.29955	0.1855	0.1908	1.32245735	0.007876349	2.174E-06	0.017281999	0.02724	0.029485919	0.029371	0.02899846	1.404716

2770	490510.04	3859410.04	0.17828	0.17748	0.8601	0.4294	0.07988	0.28119	0.17388	0.1775
2771	490560.04	3859410.04	0.17571	0.16726	0.77936	0.3928	0.07993	0.26407	0.16203	0.1673
2772	490610.04	3859410.04	0.17339	0.15705	0.72187	0.36021	0.08502	0.24868	0.15066	0.1571
2773	490660.04	3859410.04	0.17134	0.14125	0.66249	0.3211	0.09229	0.23156	0.13615	0.1413
2774	490710.04	3859410.04	0.1688	0.12812	0.6037	0.29587	0.09821	0.21675	0.12491	0.1281
2775	490760.04	3859410.04	0.16716	0.11674	0.54338	0.26678	0.1046	0.19855	0.11148	0.1167
2776	490810.04	3859410.04	0.16432	0.11354	0.50093	0.25765	0.10157	0.19398	0.10959	0.1135
2777	490860.04	3859410.04	0.16112	0.11117	0.46882	0.25145	0.09671	0.19005	0.10765	0.1112
2778	490360.04	3859460.04	0.19778	0.25194	1.06407	0.71192	0.0603	0.42084	0.24679	0.2519
2779	490410.04	3859460.04	0.19191	0.22946	0.94727	0.61274	0.06417	0.36907	0.22555	0.2295
2780	490460.04	3859460.04	0.18584	0.21309	0.85686	0.54912	0.07042	0.33907	0.20954	0.2131
2781	490510.04	3859460.04	0.18089	0.20037	0.77747	0.49946	0.07921	0.31302	0.1969	0.2004
2782	490560.04	3859460.04	0.17674	0.18904	0.71565	0.45882	0.07639	0.292	0.18419	0.189
2783	490610.04	3859460.04	0.17352	0.17617	0.65039	0.41479	0.07498	0.27294	0.17014	0.1762
2784	490660.04	3859460.04	0.17111	0.16302	0.59642	0.37356	0.07883	0.25441	0.15602	0.163
2785	490710.04	3859460.04	0.16854	0.15167	0.56653	0.34305	0.08577	0.23644	0.14588	0.1517
2786	490760.04	3859460.04	0.16591	0.13981	0.52426	0.31541	0.09188	0.22398	0.13622	0.1398
2787	490810.04	3859460.04	0.16335	0.12894	0.48257	0.29341	0.09761	0.21266	0.12591	0.1289
2788	490860.04	3859460.04	0.16031	0.12468	0.4488	0.28003	0.09948	0.20599	0.12158	0.1247
2789	490360.04	3859510.04	0.20577	0.29778	0.86174	0.95284	0.06667	0.52463	0.29314	0.2978
2790	490410.04	3859510.04	0.19746	0.27255	0.79763	0.81755	0.05816	0.46011	0.27095	0.2726
2791	490460.04	3859510.04	0.19173	0.25025	0.74856	0.70307	0.05931	0.40406	0.24591	0.2503
2792	490510.04	3859510.04	0.1859	0.23098	0.70179	0.61158	0.06486	0.36673	0.22717	0.231
2793	490560.04	3859510.04	0.18224	0.21545	0.66402	0.54712	0.07253	0.33521	0.21237	0.2155
2794	490610.04	3859510.04	0.17914	0.20222	0.61923	0.49311	0.07332	0.30847	0.19628	0.2022
2795	490660.04	3859510.04	0.17619	0.18804	0.57734	0.44712	0.07133	0.28524	0.18176	0.188
2796	490710.04	3859510.04	0.1724	0.17408	0.54076	0.40381	0.07321	0.26439	0.16728	0.1741
2797	490760.04	3859510.04	0.16869	0.16183	0.50981	0.36738	0.0795	0.24868	0.15601	0.1618
2798	490810.04	3859510.04	0.16498	0.15016	0.47205	0.34182	0.08613	0.2365	0.14792	0.1502
2799	490860.04	3859510.04	0.16162	0.13993	0.44026	0.31584	0.09137	0.22363	0.1379	0.1399
2800	490360.04	3859560.04	0.23078	0.36589	0.7674	1.54109	0.06496	0.69883	0.35759	0.3659
2801	490410.04	3859560.04	0.21709	0.33601	0.71633	1.19086	0.06478	0.58301	0.32834	0.336
2802	490460.04	3859560.04	0.20764	0.30887	0.6399	0.96967	0.05653	0.50313	0.30152	0.3089
2803	490510.04	3859560.04	0.19922	0.2788	0.58797	0.82201	0.05637	0.43885	0.27199	0.2788
2804	490560.04	3859560.04	0.1921	0.25705	0.5416	0.70625	0.0604	0.39715	0.25284	0.2571
2805	490610.04	3859560.04	0.18622	0.23543	0.51226	0.61451	0.06676	0.35914	0.23425	0.2354
2806	490660.04	3859560.04	0.18089	0.2195	0.46669	0.54701	0.07055	0.329	0.21498	0.2195
2807	490710.04	3859560.04	0.17606	0.20122	0.44238	0.48872	0.06829	0.30385	0.19789	0.2012
2808	490760.04	3859560.04	0.17183	0.18249	0.42217	0.43723	0.06827	0.27894	0.18012	0.1825
2809	490810.04	3859560.04	0.16768	0.16993	0.41048	0.39899	0.0739	0.25931	0.16809	0.1699
2810	490860.04	3859560.04	0.16382	0.15521	0.38265	0.36139	0.08039	0.24343	0.15661	0.1552
2811	490187.25	3859422.08	0.22035	0.29432	1.83367	0.92835	0.07306	0.53346	0.289	0.2943
2812	490237.25	3859422.08	0.21017	0.27461	1.57485	0.80039	0.07515	0.47	0.26797	0.2746
2813	490287.25	3859422.08	0.20095	0.25358	1.36868	0.70613	0.06719	0.42917	0.2439	0.2536
2814	490337.25	3859422.08	0.19405	0.23231	1.20395	0.61706	0.06309	0.3801	0.22476	0.2323
2815	490187.25	3859472.08	0.24388	0.3417	1.48679	1.47351	0.06748	0.76315	0.33793	0.3417
2816	490237.25	3859472.08	0.22599	0.31811	1.35092	1.12859	0.0698	0.62028	0.31412	0.3181
2817	490287.25	3859472.08	0.21229	0.29376	1.19112	0.9289	0.07173	0.52531	0.28972	0.2938
2818	490337.25	3859472.08	0.20334	0.27216	1.08403	0.80573	0.06531	0.46474	0.26725	0.2722
2819	490297.07	3859500.42	0.2155	0.31797	1.00909	1.1247	0.06869	0.60269	0.31265	0.318
2820	490327.07	3859500.42	0.20886	0.30514	0.96824	1.00076	0.07025	0.54841	0.30044	0.3051
2821	490297.07	3859530.42	0.22743	0.35544	0.9449	1.56001	0.0662	0.74106	0.34867	0.3554
2822	490327.07	3859530.42	0.22029	0.33852	0.89696	1.33361	0.06663	0.65725	0.3328	0.3385
2823	490319.73	3859055.34	0.17703	0.13328	0.25609	0.33402	0.13147	0.24025	0.12709	0.1333
2824	490319.73	3859105.34	0.1796	0.13748	0.33256	0.3391	0.1338	0.24105	0.13133	0.1375
2825	490069.73	3859155.34	0.19984	0.18352	0.44521	0.47018	0.09935	0.32697	0.18368	0.1835
2826	490119.73	3859155.34	0.19474	0.17382	0.46341	0.44349	0.11058	0.30969	0.17455	0.1738
2827	490269.73	3859155.34	0.18313	0.15325	0.45889	0.38628	0.11183	0.26568	0.15003	0.1533
2828	490319.73	3859155.34	0.18097	0.1449	0.43828	0.35465	0.11746	0.24861	0.13873	0.1449

1.30157721	0.007324955	2.001E-06	0.015826506	0.02621	0.02767867	0.027531	0.02696838	1.379181		
1.28281429	0.006903155	1.813E-06	0.01447753	0.026226	0.025993479	0.025654	0.02541544	1.356655		
1.26587655	0.006481768	1.679E-06	0.013276352	0.027896	0.024478579	0.023854	0.02386401	1.338001		
1.25091002	0.005829671	1.541E-06	0.011834865	0.030282	0.022793388	0.021557	0.02146317	1.321745		
1.23236612	0.005287769	1.404E-06	0.010904956	0.032224	0.02133558	0.019777	0.01946805	1.302429		
1.2203929	0.004818094	1.264E-06	0.009832779	0.034321	0.01954408	0.017651	0.01773884	1.288822		
1.19965878	0.004686023	1.165E-06	0.009496272	0.033326	0.019094236	0.017352	0.01725259	1.266362		
1.17629639	0.004588209	1.091E-06	0.009267757	0.031732	0.018707391	0.017044	0.01689247	1.240745		
1.44394178	0.010398069	2.475E-06	0.026239418	0.019785	0.041424984	0.039075	0.03828271	1.542584		
1.40108639	0.009470274	2.204E-06	0.022583915	0.021055	0.036329054	0.035712	0.03486683	1.491372		
1.35677086	0.008794651	1.993E-06	0.020239056	0.023106	0.033376032	0.033177	0.03237938	1.443086		
1.32063216	0.008269671	1.809E-06	0.018408725	0.02599	0.030811825	0.031176	0.03044656	1.404843		
1.29033406	0.00780206	1.665E-06	0.016910846	0.025065	0.028742742	0.029163	0.02872495	1.369294		
1.26682565	0.007270889	1.513E-06	0.015288021	0.024602	0.026866589	0.026939	0.02676933	1.341024		
1.24923085	0.006728162	1.388E-06	0.013768397	0.025865	0.025042606	0.024703	0.02477116	1.320568		
1.23046793	0.006259725	1.318E-06	0.012643882	0.028142	0.023273746	0.023097	0.02304651	1.30084		
1.21126697	0.005770239	1.22E-06	0.011625147	0.030147	0.022047258	0.021568	0.02124436	1.281181		
1.19257705	0.005321612	1.123E-06	0.010814287	0.032027	0.020932984	0.019936	0.01959265	1.262017		
1.17038278	0.005145793	1.044E-06	0.010321137	0.032641	0.020276429	0.01925	0.01894534	1.239073		
1.50227475	0.012289977	2.005E-06	0.035119068	0.021875	0.051641454	0.046413	0.04524817	1.624368		
1.44160554	0.011248685	1.856E-06	0.03013265	0.019083	0.045290489	0.0429	0.04141443	1.548848		
1.39977226	0.010328319	1.741E-06	0.025913231	0.01946	0.039773261	0.038935	0.03802591	1.496159		
1.3572089	0.009533007	1.633E-06	0.022541161	0.021281	0.036098718	0.035968	0.0350978	1.447535		
1.33048817	0.008892053	1.545E-06	0.020165342	0.023798	0.032996077	0.033625	0.03273799	1.417228		
1.30785585	0.008346025	1.441E-06	0.018174681	0.024057	0.03036395	0.031077	0.03072767	1.389149		
1.28631865	0.007760788	1.343E-06	0.016479616	0.023404	0.028077328	0.028778	0.02857299	1.362247		
1.25864881	0.00718463	1.258E-06	0.014883329	0.024021	0.026024978	0.026486	0.02645175	1.330798		
1.23156304	0.006679048	1.186E-06	0.013540619	0.026085	0.024478579	0.024701	0.02459034	1.302458		
1.20447727	0.006197404	1.098E-06	0.012598547	0.02826	0.023279652	0.02342	0.02281706	1.275418		
1.17994676	0.005775192	1.024E-06	0.011640996	0.02998	0.022012806	0.021834	0.0212626	1.249928		
1.68486644	0.015101014	1.785E-06	0.056800349	0.021314	0.068788665	0.056618	0.0555976	1.847893		
1.58491921	0.013867806	1.666E-06	0.043891832	0.021255	0.057388034	0.051987	0.05105728	1.722253		
1.51592715	0.012747684	1.489E-06	0.035739375	0.018548	0.049525122	0.04774	0.04693332	1.633296		
1.45445485	0.011506635	1.368E-06	0.030297033	0.018496	0.043197781	0.043065	0.04236413	1.558654		
1.40247353	0.010608969	1.26E-06	0.026030437	0.019818	0.039093082	0.040033	0.03905918	1.498999		
1.35954514	0.009716668	1.192E-06	0.022649152	0.021905	0.035351604	0.037089	0.03577398	1.450484		
1.32063216	0.009059205	1.086E-06	0.020161288	0.023148	0.032384801	0.034038	0.03335339	1.406072		
1.28536955	0.008304753	1.029E-06	0.018012878	0.022407	0.029909185	0.031332	0.03057572	1.364761		
1.25448739	0.007531728	9.821E-07	0.016115098	0.0224	0.027457193	0.028519	0.02772966	1.328782		
1.22418929	0.007013352	9.549E-07	0.014705677	0.024248	0.025524933	0.026614	0.02582115	1.296475		
1.1960084	0.006405828	8.902E-07	0.013319844	0.026377	0.0239618	0.024796	0.02358442	1.267286		
1.60871964	0.012147176	4.266E-06	0.034216434	0.023972	0.052510627	0.045758	0.04472242	1.732606		
1.53439804	0.011333705	3.664E-06	0.029500179	0.024658	0.046264002	0.042428	0.04172745	1.646858		
1.46708515	0.010465755	3.184E-06	0.026026014	0.022046	0.04224494	0.038617	0.03853191	1.567956		
1.41670999	0.009587899	2.801E-06	0.022743138	0.020701	0.037414781	0.035587	0.0352999	1.507446		
1.78050622	0.014102644	3.459E-06	0.054309535	0.022141	0.075119943	0.053505	0.05192189	1.947766		
1.64989586	0.013129037	3.143E-06	0.04159673	0.022902	0.061056671	0.049735	0.04833735	1.789982		
1.54987562	0.012124064	2.771E-06	0.034236705	0.023536	0.051708389	0.045872	0.04463733	1.672718		
1.48453393	0.011232589	2.522E-06	0.029696997	0.021429	0.045746239	0.042314	0.04135517	1.5936		
1.57331102	0.013123259	2.348E-06	0.041453356	0.022538	0.059325216	0.049502	0.04831608	1.71094		
1.52483406	0.012593739	2.253E-06	0.036885267	0.02305	0.053982216	0.047569	0.04636654	1.65255		
1.66040893	0.014669721	2.198E-06	0.057497688	0.021721	0.072945535	0.055206	0.05400971	1.828441		
1.6082816	0.013971399	2.087E-06	0.049153205	0.021862	0.064695777	0.052693	0.05143868	1.75922		
1.29245127	0.005500733	5.958E-07	0.012311061	0.043137	0.02364878	0.020122	0.02025212	1.37692		
1.31121419	0.005674075	7.737E-07	0.012498295	0.043902	0.023727527	0.020794	0.02089032	1.39692		
1.45898132	0.007574238	1.036E-06	0.017329545	0.032598	0.03218498	0.029082	0.02788617	1.549865		
1.42174751	0.0071739	1.078E-06	0.016345824	0.036283	0.03048404	0.027637	0.02641224	1.51326		
1.33698583	0.006324935	1.068E-06	0.014237221	0.036693	0.026151958	0.023755	0.0232866	1.420862		
1.32121622	0.005980313	1.02E-06	0.013071426	0.03854	0.024471688	0.021965	0.0220178	1.403228		